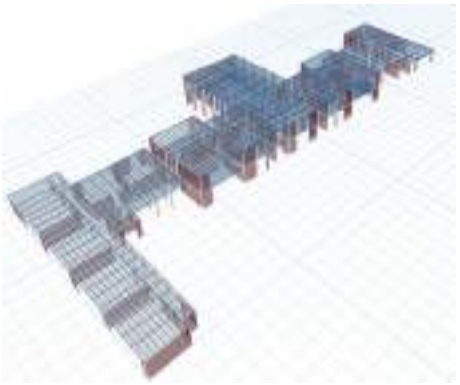
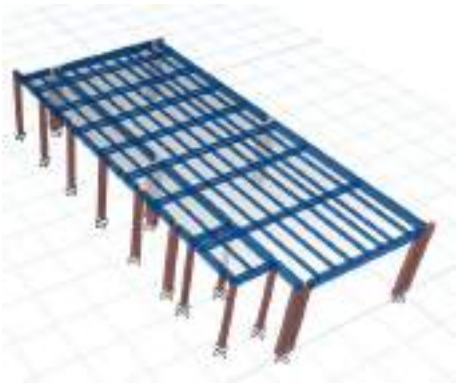
ALCALDIA LOCAL DE BARRIOS UNIDOS





Proyecto:

VULNERABILIDAD Y PRIMEROS AUXILIOS

Documento:

VULNERABILIDAD Y PRIMEROS AUXILIOS

GUEVARA ÁLVAREZ
INGENIEROS LTDA.

Bogotá

Mayo de 2022

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1 DESCRIPCIÓN

1.1 DESCRIPCIÓN DE LA ESTRUCTURA

La estructura de La Alcaldía de Barrios Unidos se encuentra ubicada en la Calle 74 A N° 63-04 de la ciudad de Bogotá, la edificación se encuentra conformada actualmente por 3 edificios desarrollando alturas entere 1 y 2 pisos.



Los edificios 2 y 3 se conforman por muros en mampostería simple de 0.30 m de espesor aproximadamente, en los cuales se desarrolla 1 piso de altura para el soporte de las cubiertas, las cuales se encuentran compuestas por elementos de madera tipo cerchas

Para el edificio 2 se presenta un repotenciamiento en elementos de concreto por medio de un sistema de pórticos resistentes a momento que soportan el nuevo sistema de cubierta compuesto por elemento livianos y cerchas metálicas.

La estructura a porticada presenta columnas con secciones de 0.20x0.80, y 0.4x0.2 m, las cuales soportan un sistema de vigas perimetrales de cubierta con secciones de 0.20x0.35 y 0.20x0.30m.

El sistema de cimentacion se encuentra compuesto por zapatas aisladas y vigas de cimentacion con sección de 0.30x0.30 m, dichos elementos cuentan con una profundidad de desplante 1.0 m con un mejoramiento en concreto ciclópeo de 1.0 m adicional para una profundidad de desplante a suelo portante de 2.0 m.

El edificio número 1 se encuentra conformado por muros en mampostería simple de 0.30 m de espesor aproximadamente, los cuales se desarrollan en dos niveles de altura, el sistema de entrepiso se encuentra compuesto por elementos de madera que trasmiten las cargas en

una dirección, las cubiertas son conformadas por cerchas de madera a dos aguas que trasmiten las cargas al sistema de muros de la estructura.

El presente informe desarrolla los análisis para las estructuras compuestas por muros en mampostería simple de las zonas que conforman el edifico 1 y 2 y zona de repotenciamiento del edificio 2 compuesto por pórticos resistentes a momentos de concreto reforzado y sus respectivos sistemas de cubierta.

1.2 CARACTERÍSTICAS DEL USO Y SUELO

Las estructuras se clasifican dentro del Grupo de Uso III: Edificaciones de atención a la comunidad (I=1.25), conforme A.2.5 de NSR-10.

Según las características enmarcadas en el estudio de suelos AUS - 21862– Estudio De Suelos Y Análisis De Cimentaciones Para La Vulnerabilidad Sísmica Y Reforzamiento Estructural – Edificio 1 - Edificio 2 Y Edificio 3 Alcaldía Local De Barrios Unidos - Calle 74a No. 63-04, se tiene un perfil de suelos tipo F de acuerdo con los lineamientos establecidos por las normas actuales NSR-10, y una microzonificación sísmica correspondiente a zona Lacustre 300 de este modo se realizaron todas las verificaciones y diseños.

Las fundaciones existentes son de tipo superficial y corresponden a cimientos corridos que son elementos apoyados sobre concreto ciclópeo sin vigas de amarre y zapatas aisladas con una capacidad de soporte de 6.0 ton/m^2 y con un desplante de entre 1.4 a 2.5 m.

1.3 MATERIALES

Para la evaluación de las estructuras se obtuvieron se consideraron las siguientes características

Para Edificio 2 zona repotenciación 2004

Concretos con Resistencia a los 28 días como se especifica a continuación:

Vigas, Vigas de Cimentación y Placa de Cimentación	210 kg/cm2 ó 3000 PSI	E = 21538.1058 MPa
Limpieza	140 kg/cm2 ó 2000 PSI	E = 17585.7897 MPa

Se usará acero de Refuerzo con una Resistencia de fluencia de 420 Mpa (4200 Kg/cm2), y un módulo de elasticidad de 200000 Mpa (2000000 Kg/cm2) que cumpla las especificaciones ASTM A706.

Se recomienda el uso de malla electrosoldada con alambres corrugados que cumplan NTC 2310 (ASTM A497M) con fy = 485 Mpa, se permite el uso de alambre liso que cumpla NTC 4002 (ASTM A82M) con fy = 485 Mpa.

Elementos de Metálicos

Correas Perfil Cold Roll A653 GR 50	Fy = 340 MPa
Ángulos y Platinas A-36	Fy = 250 MPa

Se usará acero de Refuerzo con módulo de elasticidad de 200000 Mpa (2000000 Kg/cm2) que cumpla las especificaciones y recomendaciones dadas por el Reglamento Colombiano de Construcción Sismo Resistente NSR-10.

Para edificios 1, 2 y 3 en mampostería simple

Determinacion de f´m basado en la calidad de los Materiales

h (mm) =	230.0		Altura de mampuesto.
f´cu (Mpa) =	13.3		Resistencia de unidad mampostería.
f´cp (Mpa) =	12.5		Resistencia del mortero de pega.
kp =	0.80		Factor de correlación de aobsorción.
Rm =	8.67	<	10.67 MPa
f'm (Mpa) =	8.00		Resistencia a la compresión de la mamposteria.
Em (Mpa) =	6000.00		De acuerdo con NSR-10 D.5.2.1
Gm (Mpa) =	2400.00		De acuerdo con NSR-10 D.5.2.2

Elementos de Mampostería

Resistencia especificada a compresión de la unidad de mampostería	F´cu = 13.3 MPa	-
Mortero de Inyección	F´cr = 12.5 MPa	E = 8838.83 Mpa
Mortero de Pega	F´cp = 12.5 MPa	E = 8838.83 Mpa
Resistencia Nominal a la compresión de la Mampostería	F´m = 8.0 MPa	E = 6000 Mpa

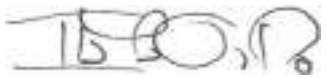
Para el análisis de cargas muertas se utilizaron los siguientes pesos específicos:

Concreto	2.40 T/m3
Mampostería	1.6 T/m3
Acero de refuerzo	7.80 T/m3

1.4 NORMAS DE DISEÑO

Se han considerado las siguientes normas en el análisis y diseño estructural:

- Reglamento Colombiano de Construcción Sismo Resistente NSR-10. Ley 400 de 1997 (Modificada por la Ley 1229 de 2008 y el Decreto 019 de 2012), Decreto 926 del 19 marzo de 2010, Decreto 092 de 17 enero de 2011 y Decreto 340 del 13 de febrero de 2012.



ING. IVÁN MAURICIO GUEVARA RODRÍGUEZ

MP. 25202-65724 CND.

Certificado de vigencia y antecedentes disciplinarios
CVAD-2022-1375283

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DUITAMA
(BOYACA)
LUGAR DE NACIMIENTO
1.75
ESTATURA
O+
G.S. RH
M
SEXO
15-SEP-1988 BOGOTA D.C.
FECHA Y LUGAR DE EXPEDICIÓN
REGISTRADOR NACIONAL
JUAN CARLOS GALINDO VACHA
A-1500150-00950244-M-0080419229-20171030
0058295270A 1
8902000079

2 INFORMACIÓN PRELIMINAR

2.1 ETAPA 1

"Debe verificarse que la intervención esté cubierta por el alcance dado en A.10.1.3."

En el numeral A.10.1.3 de NSR-10 se establece que los requisitos del capítulo A.10 pueden ser utilizados en el diagnóstico de la vulnerabilidad sísmica, el diseño, actualizaciones al reglamento y/o la alteración de la estructura de edificaciones existentes antes de la vigencia de la actual norma sismo-resistente del territorio nacional. Por lo anterior, La Alcaldía Local de Barrios Unidos, se encuentra dentro del mencionado alcance, y requiere de la actualización al reglamento.

El propósito de este análisis es establecer que la estructura esté en capacidad de resistir eventos sísmicos de magnitud baja sin daño en elementos estructurales y no estructurales, eventos sísmicos de magnitud moderada sin daño estructural, pero con algún daño en elementos no estructurales y eventos sísmicos de magnitud alta sin que se presente colapso de la estructura.

2.2 ETAPA 2

"Debe recopilarse y estudiarse la información existente acerca del diseño geotécnico y estructural, así como del proceso de construcción de la edificación original y sus posteriores modificaciones y deben hacerse exploraciones en la edificación, todo esto de acuerdo con A.10.2"

La información recopilada y estudiada acerca de La Alcaldía Local De Barrios Unidos, en cuanto a su diseño, construcción original y posteriores ampliaciones, debe basarse en los planos estructurales y memorias de diseño estructural originales.

Con base en lo anterior, se han llevado a cabo visitas técnicas de reconocimiento a las instalaciones de la Alcaldía Local, para contar con una inspección visual y generar un análisis cualitativo del estado actual de la estructura. Durante las visitas técnicas efectuadas ha sido posible:

- Recorrer los exteriores e interiores de la estructura, y a partir de una primera inspección visual, establecer las posibles afectaciones generales en elementos estructurales y no estructurales, tales como: fisuramientos, humedad, filtraciones, pandeo en placas, etc.

El estudio de toda la información recopilada, tanto original como la obtenida a partir de pruebas o ensayos recientes, permite una revisión más eficiente y acertada de las estructuras requeridas bajo un enfoque de vulnerabilidad estructural; y el diagnostico final permite definir el tipo de intervención más conveniente, aportando las técnicas adecuadas para su preparación y la consiguiente rehabilitación de la unidad constructiva.

2.2.1 Planos Estructurales

Se cuenta una serie de archivos digitales en formato PDF los cuales contiene la información sobre el estadio original y cuentan con una fecha de emisión de noviembre de 2003, a continuación, se presenta el Listado de esta información.

- SinglePDF3734-01 – Planta Primer piso Estado Original
- SinglePDF3734-02 – Planta De Cubierta
- SinglePDF3734-03 – Planta Primer Piso
- SinglePDF3734-04 – Refuerzo Vigas Entrepiso salón
- SinglePDF3734-05 – Elevaciones Reconstrucción Fachadas
- SinglePDF3734-06 – Fachada Principal Posterior
- SinglePDF3734-07 – Planta Segundo Piso

2.2.2 Memorias de cálculo y estudios de Suelos

A partir de la información recolectada No se encontraron las memorias de diseño y estudio de suelos utilizados para su construcción, la información que sirvió como base fue suministrada por medio del estudio de suelos AUS - 21862– Estudio De Suelos Y Análisis De Cimentaciones Para La Vulnerabilidad Sísmica Y Reforzamiento Estructural – Edificio 1 - Edificio 2 Y Edificio 3 Alcaldía Local De Barrios Unidos - Calle 74a No. 63-04.

Para la estructura en concreto que conforman el repotencia miento realizado para el edificio 2, se tienen documentos de la licencia de construcción de 2004, los cuales permiten observar parámetros de diseño y esquemas generales de los planteamientos, seccione sus refuerzos utilizados en su diseño

2.2.1 Información recopilada de la visita de campo

Se realizaron visitas a las instalaciones que conforman La Alcaldía Local de Barrios Unidos, ubicada en la ciudad de Bogotá, por parte del ingeniero estructural y patólogo, recorriendo cada una de las áreas que conforman la edificación y verificando aspectos de importancia, como son:

- Estado general de la estructura
- Deflexiones de pisos
- Fisuramientos y/o agrietamientos en muros, columnas, vigas
- Deformaciones en entrepiso
- Humedades
- Estado de cubiertas
- Elementos no estructurales.

Adicionalmente se realizan inspecciones sobre muros y elementos de cimentacion, dicha información puede ser consultada en el Anexo 1. Apiques y Calas.

Con las visitas realizadas se realizaron tomas fotográficas del estado actual de la edificación, las cuales pueden ser consultadas en el Anexo 2. Registro Fotográfico.

2.3 ETAPA 3

"El estado del sistema estructural debe calificarse con respecto a: (a) la calidad del diseño de la estructura original y su sistema de cimentación y de la construcción de la misma y (b) el estado de mantenimiento y conservación. Esta calificación debe hacerse de acuerdo con los requisitos de A.10.2."

A partir de la información recopilada, relacionada como: planos estructurales de la construcción, registros fotográficos, pruebas no destructivas y determinación de patologías mediante inspección visual, se tienen las siguientes calificaciones del estado actual del sistema estructural de las edificaciones objeto del presente estudio:

- Calidad Del Diseño Y La Construcción De La Estructura Original
    - BUENA
- Estado De La Estructura
    - BUENA

3 EVALUACIÓN DE LA ESTRUCTURAS EXISTENTES

La evaluación de las estructuras existentes se realiza a partir de la información mencionada en las etapas previas, y posteriormente analizando los diferentes modelos analíticos planteados para las estructuras, se generan los resultados requeridos para las etapas 4 a 10. A continuación se describe el procedimiento general.

3.1 ETAPA 4

"Deben determinarse unas solicitaciones equivalentes de acuerdo con los requisitos de A.10.4.2."

En esta etapa de estudio se busca determinar las diferentes solicitaciones de los elementos estructurales que conforman las edificaciones y/o estructuras de contención de líquidos, de acuerdo con las indicaciones dadas en el Título B de NSR-10, y compararlas con las que es capaz de resistir la sección del elemento en el estado actual en que se encuentra. Para esto se debe realizar el análisis estructural pertinente, con base en la configuración geométrica y estructural actual (de acuerdo con los planos obtenidos), en las propiedades de los materiales encontrados y en las cargas estimadas.

La evaluación de cargas de las estructuras se realiza teniendo en cuenta las cargas adicionales permanentes, cargas vivas por uso y ocupación, fuerzas sísmicas que impone el sismo de diseño sobre la edificación, presiones estáticas y dinámicas, verticales y/u horizontales.

Los movimientos sísmicos de diseño se obtienen por medio de los parámetros sísmicos definidos en el Título A de NSR-10, y estos dependen del nivel de amenaza sísmica del lugar donde se encuentran construidas las edificaciones, de las características del suelo entregados por geotecnia y del coeficiente de importancia de la edificación, de acuerdo con su categoría o grupo de uso.

La alcaldía Local de Barrios Unidos se encuentra ubicada en la ciudad de Bogotá, Departamento de Cundinamarca, correspondiente a una zona de amenaza sísmica *Intermedia*, de acuerdo con lo establecido en el numeral A.2.1 de NSR-10 y establecida en una zona de microzonificación sísmica Lacustre 300

De acuerdo con lo establecido en A.2.5.1 de NSR-10, las estructuras se clasifican como Edificaciones de atención a la Comunidad, Grupo de Uso III, con un coeficiente de importancia I=1.25.

A partir de los parámetros obtenidos en la definición del movimiento sísmico de diseño, y siguiendo los lineamientos de A.2.6. de NSR-10, se obtiene el espectro elástico de diseño, con el que se determinan las fuerzas sísmicas a ser aplicadas a las estructuras.

Finalmente, se define el método por el cual se obtendrán las fuerzas sísmicas de diseño, que es criterio del ingeniero diseñador, y se selecciona el método de análisis dinámico, estipulado en el capítulo A.5 de NSR-10.

Las cargas de diseño se determinan siguiendo los requisitos de los Títulos A y B de NSR-10, y se definen a continuación:

- *Carga Muerta.* Se debe al peso propio de los elementos estructurales y no-estructurales permanentes durante la vida útil de la estructura (placas, columnas, vigas, acabados, equipos, etc.).
- *Carga Viva.* Cargas no permanentes, móviles o transitorias, debidas al uso y ocupación de la edificación (personal ejecutando labores de construcción o mantenimiento, inmuebles, equipos móviles, etc.).
- *Empuje de Tierra.* El empuje de tierra se asigna a los muros de la estructura que se encuentran enterrados, a partir de las propiedades del material de relleno definidas en el estudio de suelos y el coeficiente de empuje en reposo.
- *Presión Hidrostática.* La presión hidrostática por líquidos se aplica sobre la estructura hidráulica en las placas que tendrán un nivel de agua constante, y en los muros que se encuentre en contacto directo con el nivel de agua N.A.M.A. de la estructura.
- *Sismo de la Estructura.* Se consideran las fuerzas inducidas por el espectro de diseño, reducidas por el coeficiente de capacidad de disipación de energía R, de acuerdo con el sistema estructural de resistencia sísmica definido. No se consideran efectos sísmicos para la estructura hidráulica que se encuentra enterrada.
- *Sismo del Relleno.* Se asigna a los muros de la estructura que se encuentran enterrados, a partir de las propiedades del material de relleno definidas en el estudio de suelos y el coeficiente de empuje en sismo (diferencia de los coeficientes de empuje activo dinámico y activo).
- *Presión Hidrodinámica.* La presión hidrodinámica hace referencia al efecto que tiene un evento sísmico en el líquido almacenado. Es importante anotar que adicional a las fuerzas hidrodinámicas, se incluyen en el análisis, las fuerzas inerciales correspondientes a la aceleración de la estructura como tal.

Para determinar las fuerzas y los esfuerzos internos de los elementos que componen cada una de las estructuras: placas, muros, columnas y vigas, se realizó un análisis estructural, siguiendo lo estipulado en la NSR-10.

Los diferentes casos de carga que se deben tener en cuenta se combinan para obtener las fuerzas internas o solicitaciones equivalentes que se emplean en la evaluación de la estructura existente, de acuerdo con las combinaciones indicadas Titulo B del Reglamento Colombiano de Construcción Sismo Resistente NSR-10.

3.2 ETAPA 5

"Debe llevarse a cabo un análisis elástico de la estructura y de su sistema de cimentación para las solicitaciones equivalentes definidas en la Etapa 4."

Utilizando herramientas sistemáticas que actualmente existen, se realizan modelos por computador, mediante el software de análisis estructural ETABS 2015, el cual permite obtener las solicitaciones internas a las que se encuentran sometidos todos y cada uno de los elementos que conforman los sistemas de resistencia de las estructuras, bajo las condiciones de análisis y combinaciones de cargas consideradas.

Para la realización de un modelo que se ajuste al comportamiento real de la estructura, se debe tener claramente identificada la estructura, su comportamiento, su geometría, y se debe tener especial cuidado en la definición de los parámetros estructurales que determinan la respuesta ante las diferentes solicitaciones. A continuación, se presentan algunas de las consideraciones definidas para realizar los análisis estructurales.

3.2.1.1 Materiales

En el software ETABS 2015 se definen las propiedades de los materiales de acuerdo con las características observadas durante las visitas de campo e información obtenida de estudios previos realizados.

3.2.1.2 Tipos de elementos

Al momento de elaborar los modelos tridimensionales por computadora, empleando elementos finitos mediante el software ETABS 2015, para los análisis estructurales los muros y placas de la estructura se definen como elementos tipo Shell, y las columnas y vigas mediante elementos tipo frame, con las secciones y propiedades requeridas de acuerdo con su geometría y material.

3.2.1.3 Condiciones de apoyo

En los modelos realizados de las edificaciones, se suponen apoyos empotrados en la base de las columnas y muros pantalla.

3.2.1.4 Aplicación de cargas

Una vez definidos los materiales, las geometrías de los diferentes elementos estructurales, y estructurado el modelo, se deben asignar las cargas para el análisis, teniendo en cuenta la información obtenida en la Etapa 4, respecto a las cargas bajo las cuales se encuentran sometidas las edificaciones.

Es importante señalar que, en el desarrollo de los diseños estructurales actuales, una premisa básica es la continuidad de los elementos estructurales, lo que implica la construcción de diafragmas rígidos entre los elementos, tales como vigas, columnas o muros, que sean capaces de transmitir las solicitaciones de un elemento a otro.

Una vez definido el modelo por computador de la estructura, en cuanto a lo referido en el punto anterior, se procede al análisis de este y a la verificación del cumplimiento de determinados parámetros contemplados en el reglamento NSR-10, para obtener las diferentes solicitaciones que tiene cada uno de los elementos estructurales.

3.3 ETAPA 6

“La resistencia existente de la estructura debe determinarse utilizando los requisitos de A.10.4.3.3.”

Para el análisis de resistencia existente de los elementos que conforman la Alcaldía Local de Barrios Unidos, se estudiará el comportamiento de la estructura ante las cargas con que se diseñan, suponiendo parámetros elásticos de los materiales.

En el diseño de muros, placas, vigas y columnas que conforman la Alcaldía, se obtienen valores de los esfuerzos internos más desfavorables para momento y cortante, de acuerdo con el tipo de sección a analizar, diferenciado por el espesor particular del mismo, con dicha información y con base en las características de los materiales se establecen las resistencias nominales de los elementos con el fin de calcular los índices de sobre esfuerzo de cada uno de los elementos.

3.4 ETAPA 7

"Se debe obtener una resistencia efectiva de la estructura, a partir de la resistencia existente, afectándola por dos coeficientes de reducción de resistencia obtenidos de los resultados de la calificación llevada a cabo en la Etapa 3."

Con base en la información recopilada (planos estructurales originales, registros fotográficos, determinación de patologías mediante inspección visual, pruebas no destructivas, pruebas destructivas y resultados de ensayos en laboratorios), y conforme lo indicado en la tabla A.10.4-1 de NSR-10, se determina el estado de la estructura tanto por su calidad del diseño y la construcción de la estructura original como por estado actual de la edificación.

3.5 ETAPA 8

"Debe determinarse un índice de sobreesfuerzo como el máximo cociente obtenido para cualquier elemento o sección de éste, entre las fuerzas internas solicitadas obtenidas del análisis estructural realizado en la Etapa 5 para las solicitaciones equivalentes definidas en la Etapa 4 y la resistencia efectiva obtenida en la Etapa 7."

Una vez efectuados los análisis estructurales sobre los modelos por computador de cada estructura, se determinan las solicitaciones internas de los elementos que la conforman, y, calculadas las resistencias efectivas de cada una de las secciones, se puede establecer una relación entre los esfuerzos actuantes y los esfuerzos resistentes. Esta correlación se denomina índice de sobreesfuerzo, y busca establecer la proporción entre la demanda y la capacidad del elemento analizado, a partir de la resistencia efectiva y las solicitaciones previstas.

Índice de sobreesfuerzos = Cargas actuantes / Cargas resistentes

A partir de los valores obtenidos de los índices de sobreesfuerzo para cada uno de los elementos analizados, se determina el grado de vulnerabilidad global de la estructura, como el inverso del mayor índice de sobreesfuerzo encontrado. Este valor determina el grado de capacidad de respuesta de la estructura ante las solicitaciones previstas en el análisis estructural.

Para realizar una revisión eficiente de la estructura es necesario que en la etapa de Información Preliminar se cuente con la información necesaria para el análisis.

3.6 ETAPA 9

"Utilizando los desplazamientos horizontales obtenidos en el análisis de la Etapa 5 deben obtenerse las derivas de la estructura."

Las derivas (Δ) se calculan a partir de los desplazamientos horizontales relativos, entre niveles continuos de cada edificación, obtenidos en la etapa de análisis estructural, utilizando la metodología indicada en A.6 de NSR-10.

La deriva máxima para cualquier piso no puede exceder los límites establecidos en la tabla A.6.4-1 de NSR-10, en la cual la deriva máxima se expresa como un porcentaje de la altura de piso.

Los resultados obtenidos en el análisis computacional para cada estructura, aplicando las combinaciones que incluyen los efectos sísmicos en las dos direcciones, arrojan los valores de deriva máxima.

3.7 ETAPA 10

"Debe determinarse un índice de flexibilidad por efectos horizontales como el máximo cociente entre las derivas obtenidas en la Etapa 9 y las derivas permitidas por el Reglamento en el Capítulo A.6. Igualmente debe determinarse un índice de flexibilidad por efectos verticales como el máximo cociente entre las deflexiones verticales medidas en la edificación y las deflexiones permitidas por el presente Reglamento."

Un análisis paralelo a la determinación de los índices de sobreesfuerzo es el cálculo del índice de flexibilidad, que busca determinar el grado de deformación de la estructura. Se calcula con base en la relación existente entre los desplazamientos y las deformaciones de la estructura, ante la aplicación de las solicitaciones de carga previstas, y los requisitos de deriva y deflexiones establecidos en NSR -10.

3.7.1 Índices de Vulnerabilidad

Se define como el inverso del índice de sobreesfuerzo, y expresa la vulnerabilidad sísmica de la edificación, y se define como una fracción de la resistencia que tendrían los elementos si fueran constituidos de acuerdo con los requisitos de la actual reglamentación sismo resistente.

A continuación, se presenta los análisis respectivos para la Alcaldía Local de Barrios Unidos en cada una de las etapas antes mencionadas.

Los análisis se presentan por separado para cada una de las estructuras de acuerdo con su configuraicon estructural de la siguiente manera:

- Ver Capitulo 4 para la ALCALDIA LOCAL BARRIOS UNIDOS – MUROS DE MAMPOSTERIA SIMPLE
- Ver Capitulo 5 parar la ALCALDIA LOCAL BARRIOS UNIDOS – ZONA APORTICADA

4 ALCALDIA LOCAL BARRIOS UNIDOS – MUROS DE MAMPOSTERIA SIMPLE

4.1 ANALISIS SISMICO

4.1.1 Definición de Movimiento Sísmico de Diseño

DEFINICION DE MOVIMIENTO SISMICO DEL DISEÑO

a.- Ubicación del proyecto: Calle 74A N° 63-04

b.- Zona de amenaza sísmica: Intermedia

c.- Valor de Aa A_a = 0.15

d.- Valor de Av A_v = 0.20

e.- Zona de Respuesta Sísmica (Microzonificación): Lacustre 300

f.- Tipo de pérfil de suelo:

		Fa	Fv
	A		
	B		
	C		
	D		
	E		
X	F	1.05	2.90

g.- Grupo de uso III

h.- Coeficiente de importancia: I 1.25

i.- Coeficiente de amortig. crítico C.C.A: 5%

j.- Espectro de diseño: Elástico

Observaciones:
Según numeral A.6.2.1.2, el coeficiente de importancia a utilizar para el cálculo del desplazamiento horizontal I= 1 y para el diseño III= 1.25

Revisó:_____
Ejecutó:_____

4.1.2 Características de los Materiales y de la Estructura

CARACTERISTICAS DE LOS MATERIALES Y DE LA ESTRUCTURA		
a.-	Sistema estructural:	Muros de mampostería no reforzada
b.-	Material	Bloques de arcilla
c.-	Capacidad de disipación de energía	No tiene capacidad de disipación de energía
d.-	Coeficiente de capacidad básica de modificación de respuesta	Ro = 1.0
	Coeficiente de Sobre resistencia	Ω_0= 2.5
e-	Número de edificaciones	1
f-	Número de pisos	2 PISOS Y CUBIERTA
Observaciones:		Revisó:_____ Ejecutó:_____

4.1.3 Irregularidad de la Edificación

IRREGULARIDAD DE LA EDIFICACION

a.- EDIFICACIÓN: 2 PISOS

b- CONFIGURACION EN PLANTA

TIPO	DESCRIPCION		∅p
1aP	Irregularidad torsional		1.0
1bP	Irregularidad torsional extrema		1.0
2P	Retrocesos en esquinas	**x**	0.9
3P	Discontinuidades en el diafragma		1.0
4P	Desplaz. de elementos verticales		1.0
5P	Sistemas no paralelos		1.0

Φp= 0.9

c.- CONFIGURACION EN ALTURA

TIPO	DESCRIPCION	∅a
1aA	Piso flexible (irregularidad en rigidez)	1.0
1bA	Piso flexible (irregularidad extrema en rigidez)	1.0
2A	Distribución masa	1.0
3A	Irregularidad geométrica	1.0
4A	Desplaz. dentro del plano de acción	1.0
5aA	Piso débil- discontinuidad en la resistencia	1.0
5bA	Piso débil- discontinuidad extrema resistencia	1.0

Φa= 1.0

d.- AUSENCIA DE REDUNDANCIA ∅RX 1.00

∅Ry 1.00

e.- COEFICIENTE BASICO DE CAPACIDAD DE DISIPACION DE ENERGIA

Ro= 1.0

f.- COEFICIENTE DE CAPACIDAD DE MODIFICACION DE RESPUESTA

R= (∅a) x (∅p) x(∅r)x Ro

RX= 1.00

RY= 1.00

La NSR-10 En su seccion 10.4.2.4 apartado d, establece que cuando se trate de edificaciones de mamposteria no reforzada, el valor del coeficiente de capacidad de disipacion de energia R´, debe ser igual a la unidad

g.- EFECTOS ORTOGONALES EN CARGAS SISMICAS

Se deben tener en cuenta: (100 % - 30%) x, (30% - 100 %) y

h.- MEZCLA DE SISTEMAS ESTRUCTURALES

No existe, ni en planta ni en altura.

Observaciones:

Revisó:_____

Ejecutó:_____

4.1.4 Característica del Diseño

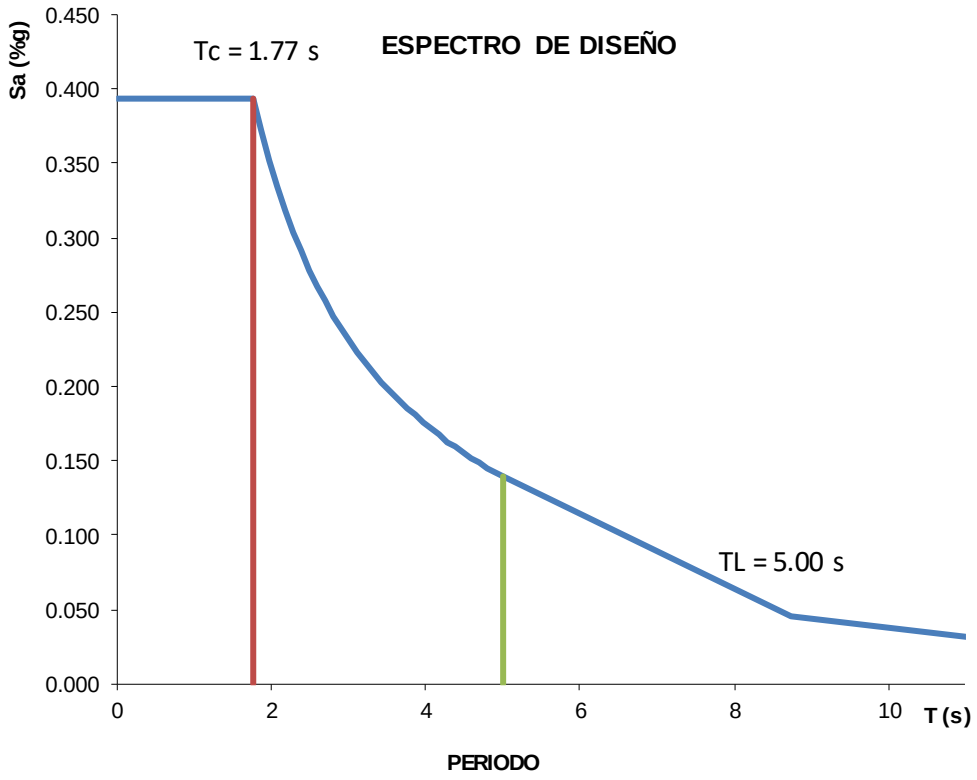
CARACTERISTICAS DEL DISEÑO	
a.- METODO DE ANALISIS SISMICO UTILIZADO Analisis dinámico elástico espectral b- METODO DE ANALISIS ESTRUCTURAL Análisis matricial: Estructura principal c- METODO DE DISEÑO Esfuerzos de Trabajo	
Observaciones:	Revisó:_____ Ejecutó:_____

4.1.5 Espectro Sísmico

ESPECTRO SISMICO							
MODELO NSR-10							
a. - PERIODO DE LA ESTRUCTURA							
Ta=	Ct x h^{α}						
Ct=	0.049	Muros de mampostería no reforzada					
α =	0.75						
hn=	7.20 m						
Ta=	0.22	cu=	1.20	Tdinmax	0.26	Tdin:	0.01
b . - PARÁMETROS							
Aa=	0.15		Av=	0.20			
Fa=	1.05		Fv=	2.90			
I =	1.00						
Idis=	1.25						
c. - LIMITES DEL PERIODO							
To=	(0.1*Av*Fv)/(Aa*Fa)	=	0.37				
Tc=	(0.48*Av*Fv)/(Aa*Fa)	=	1.77				
TL=	TL (Tabla 3., Decreto 523 de 201(	=	5.00				
d. - ESPECTRO PARA PERIODOS MENORES A Tc.							
Sa 1 = 2.5 * Aa * Fa*I=			Sa1=	0.39			
e. - ESPECTRO DE ACELERACIONES EN FUNCION DE T							
Sa 2=	$\frac{1.2 * Av * Fv * I}{T}$		Sa 2=	0.70 /T	=	63.27	
f. - ESPECTRO PARA PERIODOS MAYORES A T_l.							
Sa 3=	$\frac{1.2 * Av * Fv * T_l * I}{T^2}$		Sa 3=	3.48	$/T^2$	=	28760.33
g. - ESPECTRO SISMICO DE DISEÑO							
Sa =	0.39	39% (g)					
Para el diseño el espéctro sísmico según NSR-10, entonces Sa=0.39 = 39.375%(g)							
Observaciones:			Revisó:_____ Ejecutó:_____				

ESPECTRO SISMICO DE DISEÑO

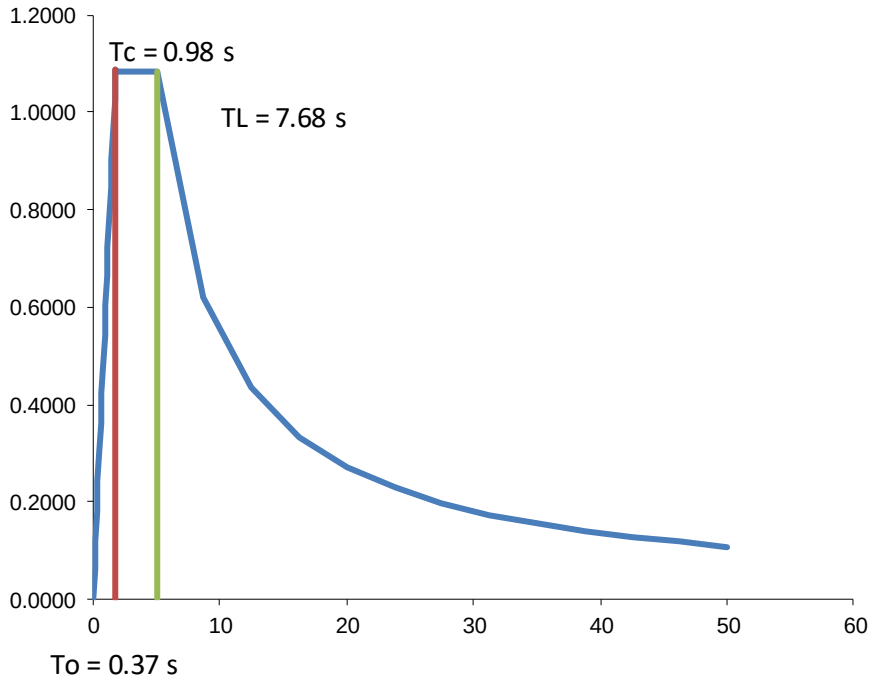
CURVAS DE ESPECTROS DE ACUERDO A LA NSR-10



Observaciones:	Revisó:_____ Ejecutó:_____

ESPECTRO ELASTICO DE VELOCIDADES (m/s) DE DISEÑO

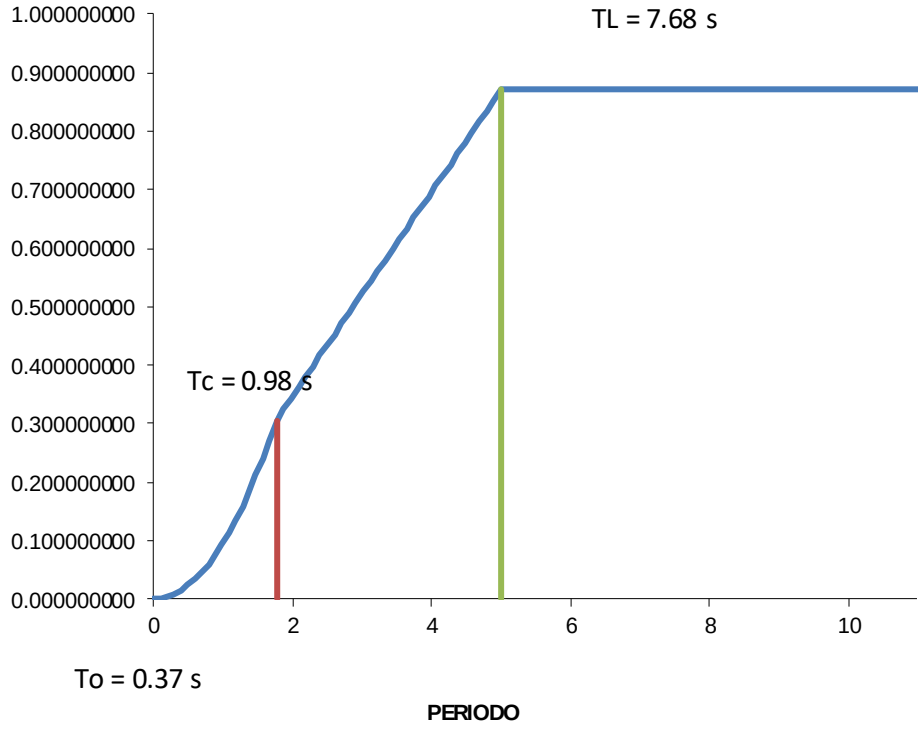
i.



Observaciones:	Revisó:_____ Ejecutó:_____

ESPECTRO ELASTICO DE DESPLAZAMIENTOS (m) DE DISEÑO

j.



Observaciones:	Revisó:_____ Ejecutó:_____

4.2 PESO DE LA ESTRUCTURA

PESO DE LA EDIFICACION

VOLUMES DE VIGAS Y COLUMNAS

PISO 1 NE+0.00 Area placa = 1886.36 m²

Columnas y pantallas

ITEM	b (m)	h (m)	H (m)	Cant	V (m3)	Peso (t)
C50x50	0.50	0.50	3.70	12	11.10	17.76
C30X50	0.30	0.50	3.70	12	6.66	10.66
PARAL 4"	0.00078		3.70	4	0.0115	0.09
M30	0.30	430.27	3.70	1	477.60	764.16
Total				29	495.37	792.67

PISO 2 NE+3.70 Area placa = 1886.36 m²

Columnas y pantallas

ITEM	b (m)	h (m)	H (m)	Cant	V (m3)	Peso (t)
C50X50	0.50	0.50	3.50	12	10.50	16.80
M30	0.30	204.50	3.50	1	214.73	343.56
Total				13	225.23	360.36

Vigas Entrepiso

ITEM	b (m)	h (m)	L (m)	V (m3)	Peso (t)
SOL12X0.6	0.12	0.06	646.84	4.66	3.26
V4X20	0.04	0.20	1976.10	15.81	11.07
IPE200	0.00285		42.20	0.12	0.94
V-A	0.009924		31.92	0.32	2.49
Total				20.90	17.76

CUBIERTA N +7.20 Area placa = 925.50 m²

Vigas Entrepiso

ITEM	b (m)	h (m)	L (m)	V (m3)	Peso (t)
SOL12X0.6	0.12	0.06	216.67	1.56	1.09
SOL20X20	0.20	0.20	66.72	2.67	1.87
Total				2.67	2.96

CALCULO DE DENSIDADES ***PISO 1*** NE+0.00

Area de placa 1886.36 m^2

MUROS

	Esp.(m)	Long. (m)	Area (m2)	Carga (kgf/m^3)	h (m)	Peso (t)
MUROS NO ESTRUC.						
MUROS FACHADA						
MUROS FACHADA						
					Total	0.00

MUROS NO ESTRUC. 0.000 t/m^2

MUROS CONTENCIÓN 0.000 t/m^2

DENSIDAD DE VIGAS 0.000 t/m^2

DENSIDAD DE COLUMNAS Y PANTALLAS 0.210 t/m^2

DENSIDAD DE VIGUETAS 0.000 t/m^2

CALCULO DE DENSIDADES PISO 2 N +3.70

Area de placa 1886.36 m^2

MUROS

	Esp.(m)	Long. (m)	Area (m2)	Carga (kgf/m^3)	h (m)	Peso (t)
						0.00
						0.00
						0.00

Cargas Adicionales

	Esp.(m)	Long. (m)	Area (m2)	Carga (kgf/m^3)	h (m)	Peso (t)
						0.00
						0.00
						0.00
						0.00
						0.00

MUROS 0.000 t/m^2

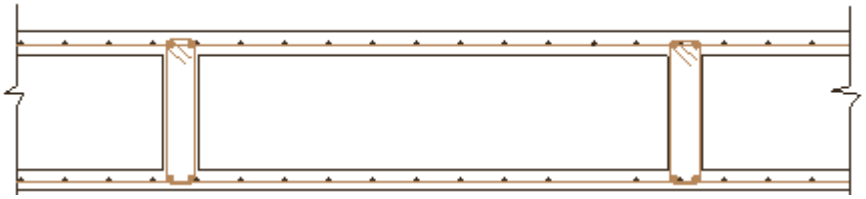
MUROS CONTENCION 0.000 t/m2

DENSIDAD DE VIGAS 0.009 t/m^2

DENSIDAD DE COLUMNAS Y PANTALLAS 0.306 t/m^2

DENSIDAD DE VIGUETAS 0.000 t/m^2

AVALUO DE CARGAS PISO 2 N +3.70



	t/m^2
Bloque de madera (75mm) sobre 12mm de mortero	0.08
Madera densa 25mm	0.02
Otros	0.01
	0.110

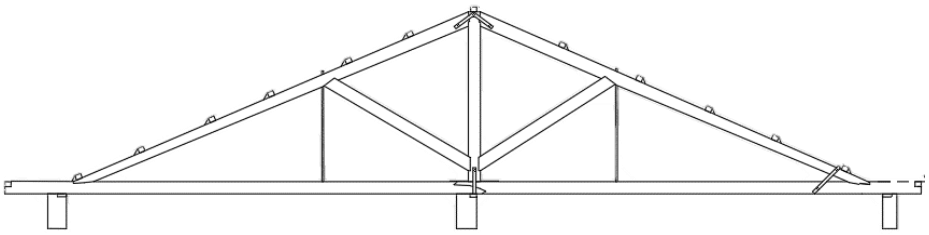
MUROS	0.000	t/m^2
CARGA MUERTA	0.11	t/m^2
CARGA VIVA OFICINA	0.20	t/m^2
CARGA VIVA REUNIONES	0.50	t/m^2

DENSIDADES

VIGAS	0.009	t/m^2
COLUMNAS	0.306	t/m^2
VIGUETAS	0.000	t/m^2

CARGA REAL	0.63	t/m^2
CARGA ULTIMA PARA VIGUETAS	0.45	t/m^2
CARGA PARA ANALISIS SISMICO	0.43	t/m^2

AVALUO DE CARGAS PISO 2 N +3.70



	t/m^2
Carga propia cerchas	0.025
Teja de barro	0.080
Cielo raso en madera	0.015
	0.120

MUROS	0.000	t/m^2
CARGA MUERTA	0.12	t/m^2
CARGA GRANIZO CUBIERTA	0.050	t/m^2
CARGA VIVA CUBIERTA	0.050	t/m^2
CARGA DE VIENTO	0.07	t/m^2

DENSIDADES

VIGAS	0.009	t/m^2
COLUMNAS	0.306	t/m^2
VIGUETAS	0.000	t/m^2

CARGA REAL	0.49	t/m^2
CARGA ULTIMA PARA VIGUETAS	0.22	t/m^2
CARGA PARA ANALISIS SISMICO	0.44	t/m^2

CALCULO DE DENSIDADES CUBIERTA N +7.20

Area de placa 925.50 m^2

MUROS

	Esp.(m)	Long. (m)	Area (m2)	Carga (kgf/m^3)	h (m)	Peso (t)
						0.00
						0.00
						0.00

Cargas Adicionales

	Esp.(m)	Long. (m)	Area (m2)	Carga (kgf/m^3)	h (m)	Peso (t)
						0.00
						0.00
						0.00
						0.00
						0.00

MUROS 0.000 t/m^2

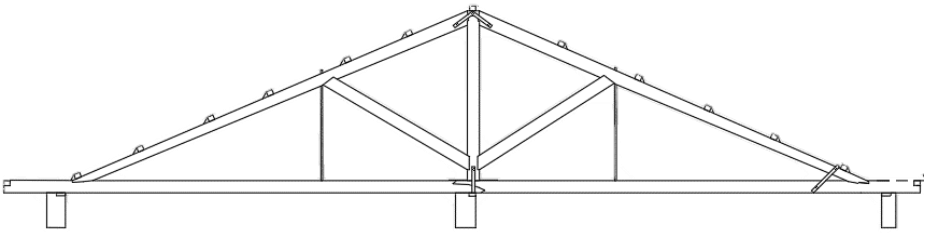
MUROS CONTENCION 0.000 t/m2

DENSIDAD DE VIGAS 0.019 t/m^2

DENSIDAD DE COLUMNAS Y PANTALLAS 0.195 t/m^2

DENSIDAD DE VIGUETAS 0.000 t/m^2

AVALUO DE CARGAS CUBIERTA N +7.20



	t/m^2
Carga propia cerchas	0.025
Teja de barro	0.080
Cielo raso en madera	0.015
	0.120

MUROS	0.000	t/m^2
CARGA MUERTA	0.12	t/m^2
CARGA GRANIZO CUBIERTA	0.050	t/m^2
CARGA VIVA CUBIERTA	0.050	t/m^2
CARGA DE VIENTO	0.07	t/m^2

DENSIDADES

VIGAS	0.019	t/m^2
COLUMNAS	0.195	t/m^2
VIGUETAS	0.000	t/m^2

CARGA REAL	0.38	t/m^2
CARGA ULTIMA PARA VIGUETAS	0.22	t/m^2
CARGA PARA ANALISIS SISMICO	0.33	t/m^2

4.3 CENTRO DE MASA Y TORSION ACCIDENTAL

TORSION

CENTROS DE MASA Y TORSION ACCIDENTAL

CENTROS DE MASA

N +3.70

CENTRO DE MASA: **X = 43.83** **Y = 31.24**

EXCENTRICIDADA ACCIDENTAL

Dimensiones	**Excentricidad**	**Excentricidad**
N +3.70		
X= 43.90m	ex = 2.20m	e= 2.20m
Y= 27.66m	ey = 1.38m	

CENTROS DE MASA

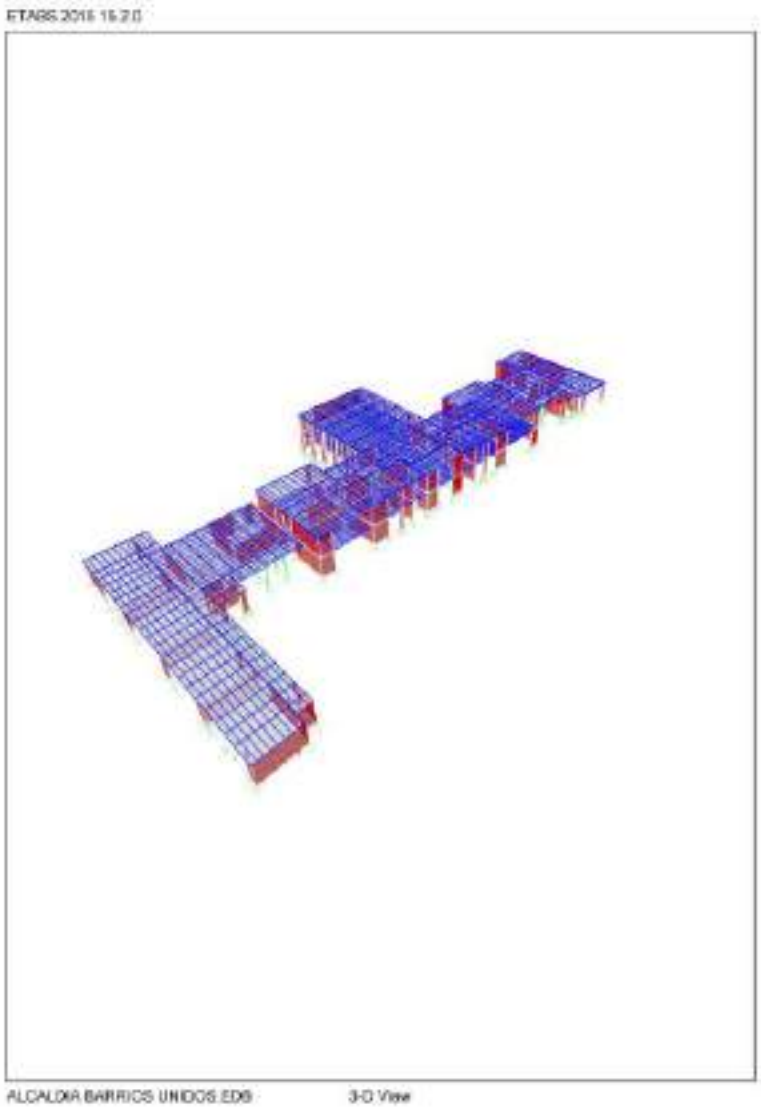
N +7.20

CENTRO DE MASA: **X = 47.18** **Y = 33.06**

EXCENTRICIDADA ACCIDENTAL

Dimensiones	**Excentricidad**	**Excentricidad**
N +7.20		
X= 47.83m	ex = 2.39m	e= 2.39m
Y= 29.26m	ey = 1.46m	

4.4 ESTRUCTURACION

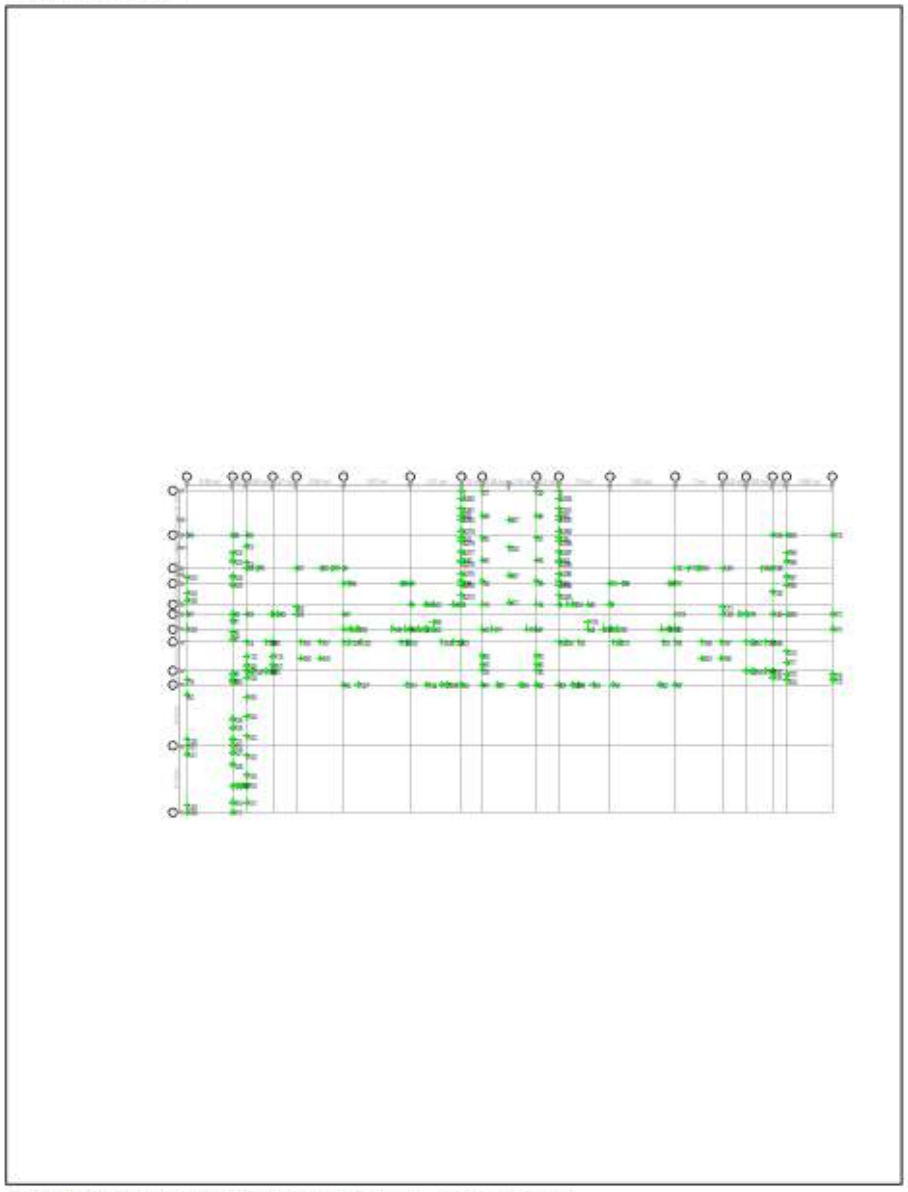


El modelo de la estructura fue hecho con el software ETABS 2015 En este programa se hizo una combinación de herramientas utilizando elementos tipo Frame para la simulación de las vigas, columnas, y elementos tipo Shell para las placas y muros.

Los apoyos de las columnas y muros son apoyos Empotrados.

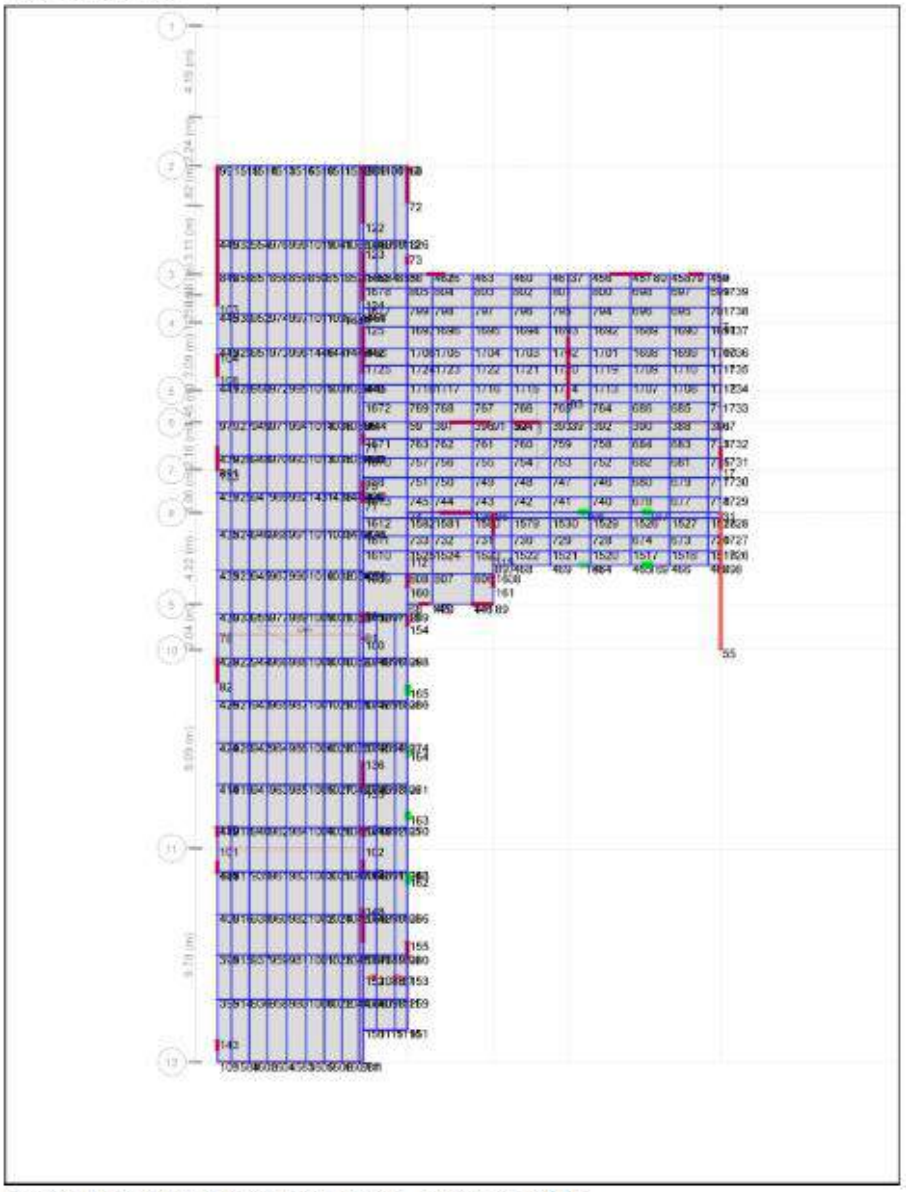
El sistema de cargas de la estructura es estático para cargas muertas y vivas, y dinámico para las fuerzas horizontales.

ETABS 2015 15.2.0



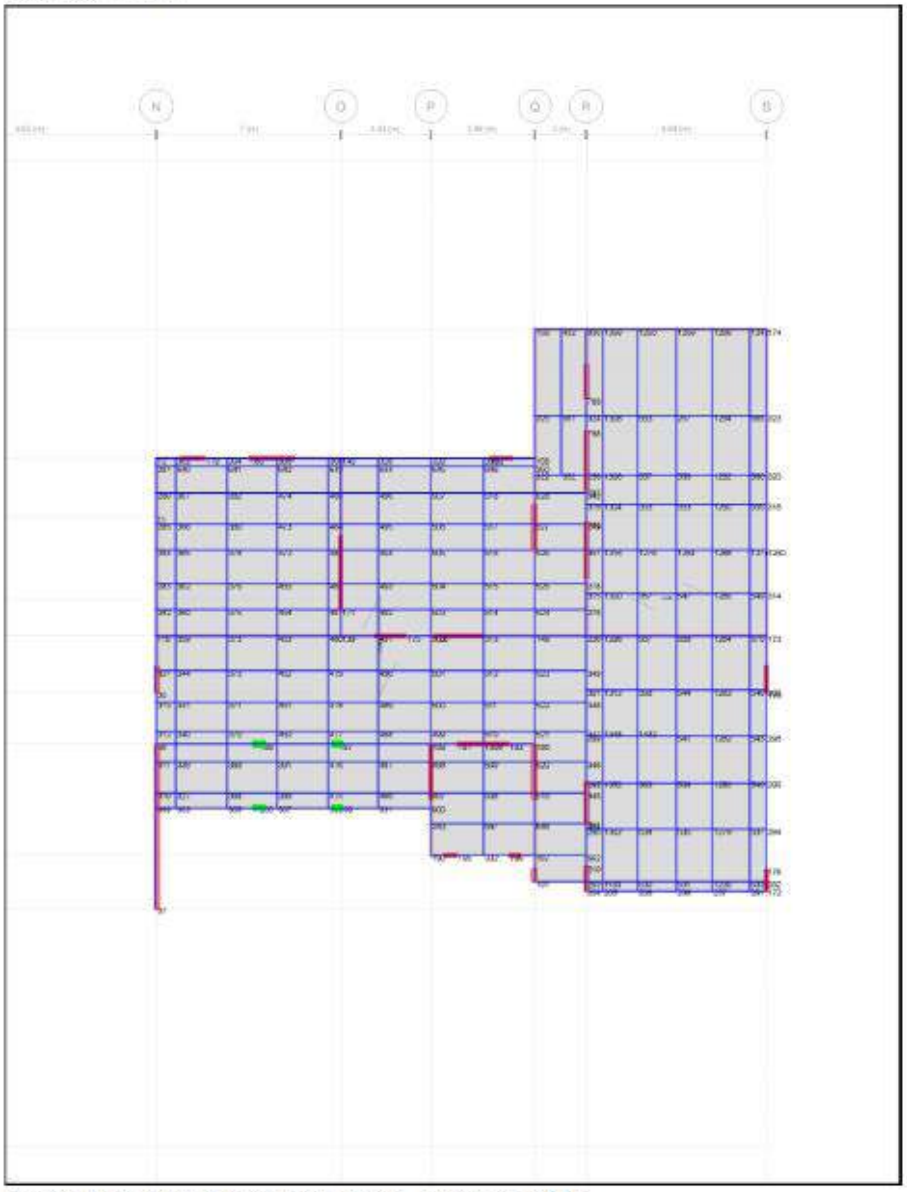
ALCALDIA BARRIOS UNIDOS.EDB Plan View - Base - Z = 0 (m)

ETABS 2015 15.2.0



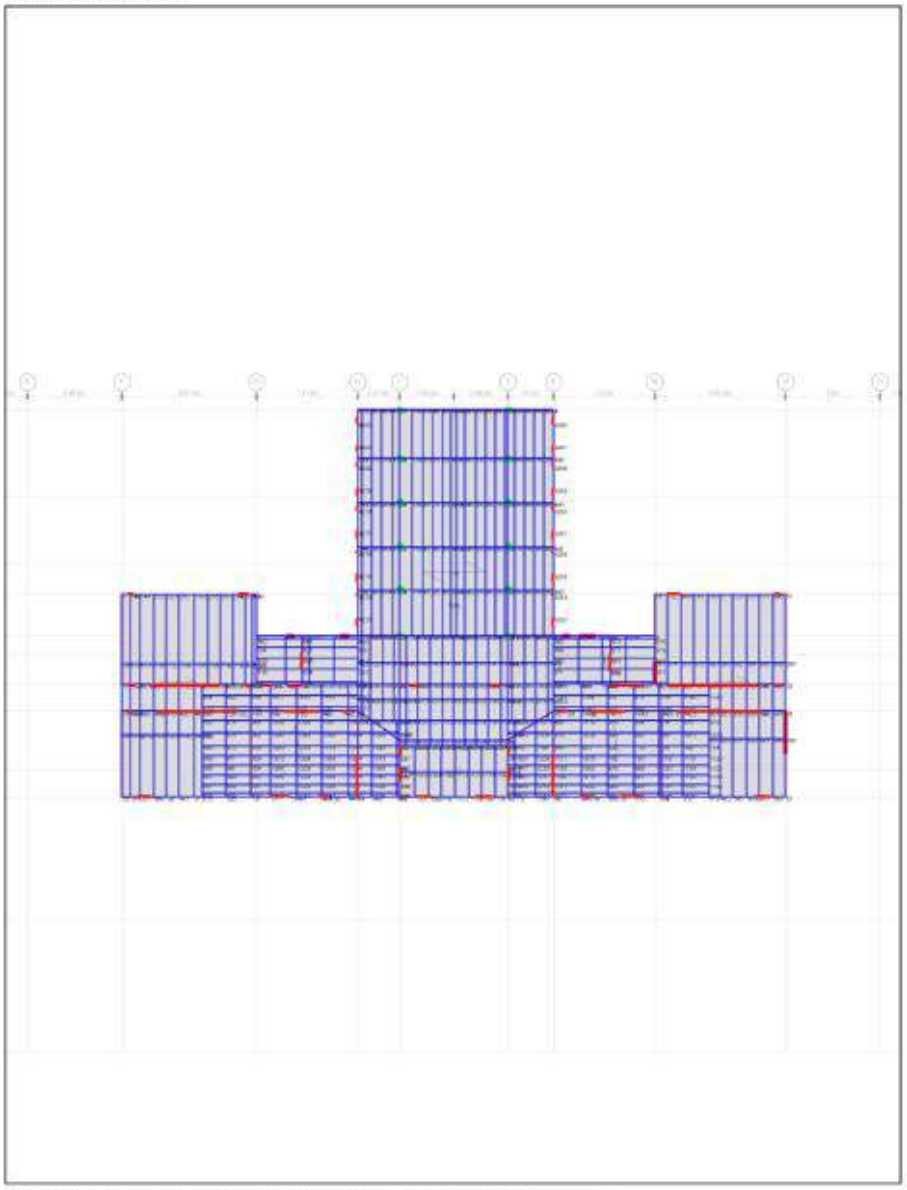
ALCALDIA BARRIOS UNIDOS.EDBPlan View - PISO2 - Z = 3.7 (m)

ETABS 2015 15.2.0



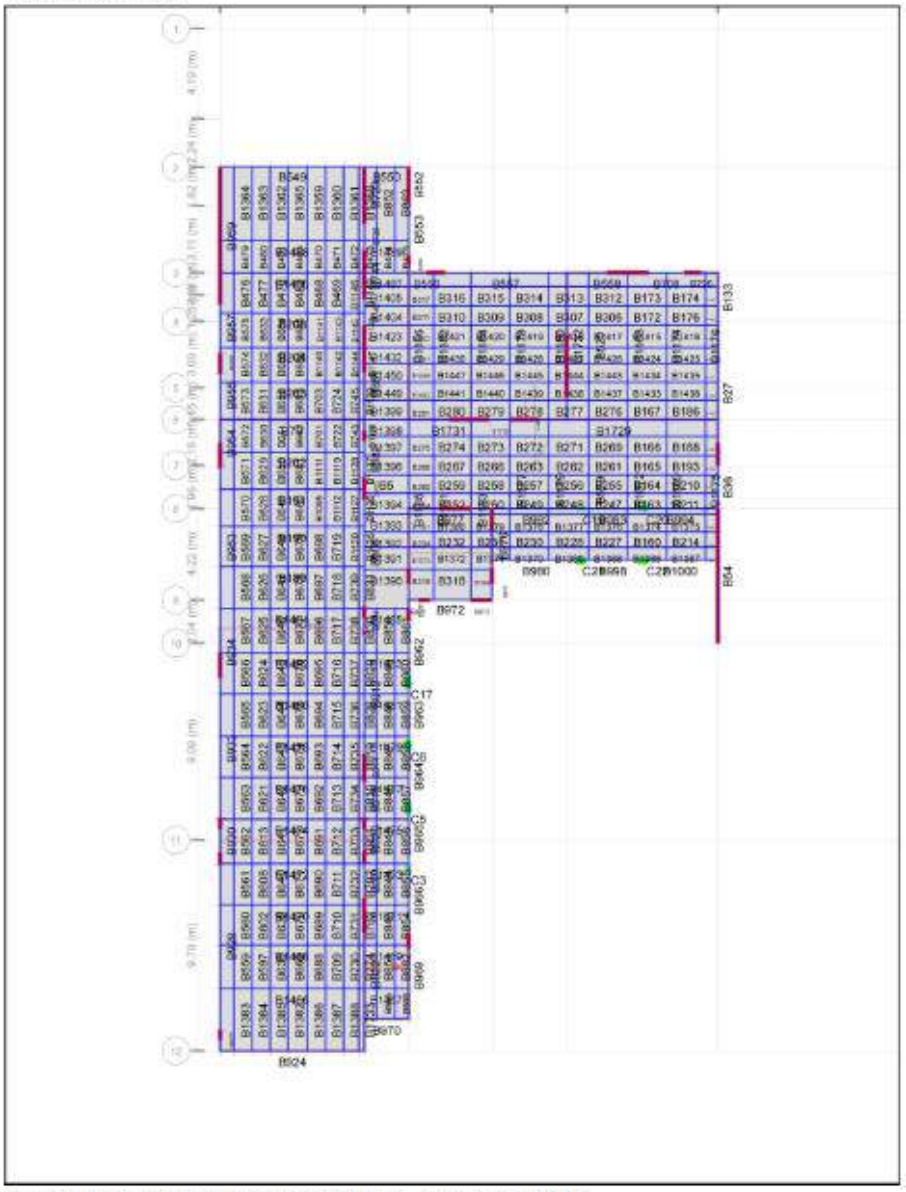
ALCALDIA BARRIOS UNIDOS.EDBPlan View - PISO2 - Z = 3.7 (m)

ETABS 2015 15.2.0

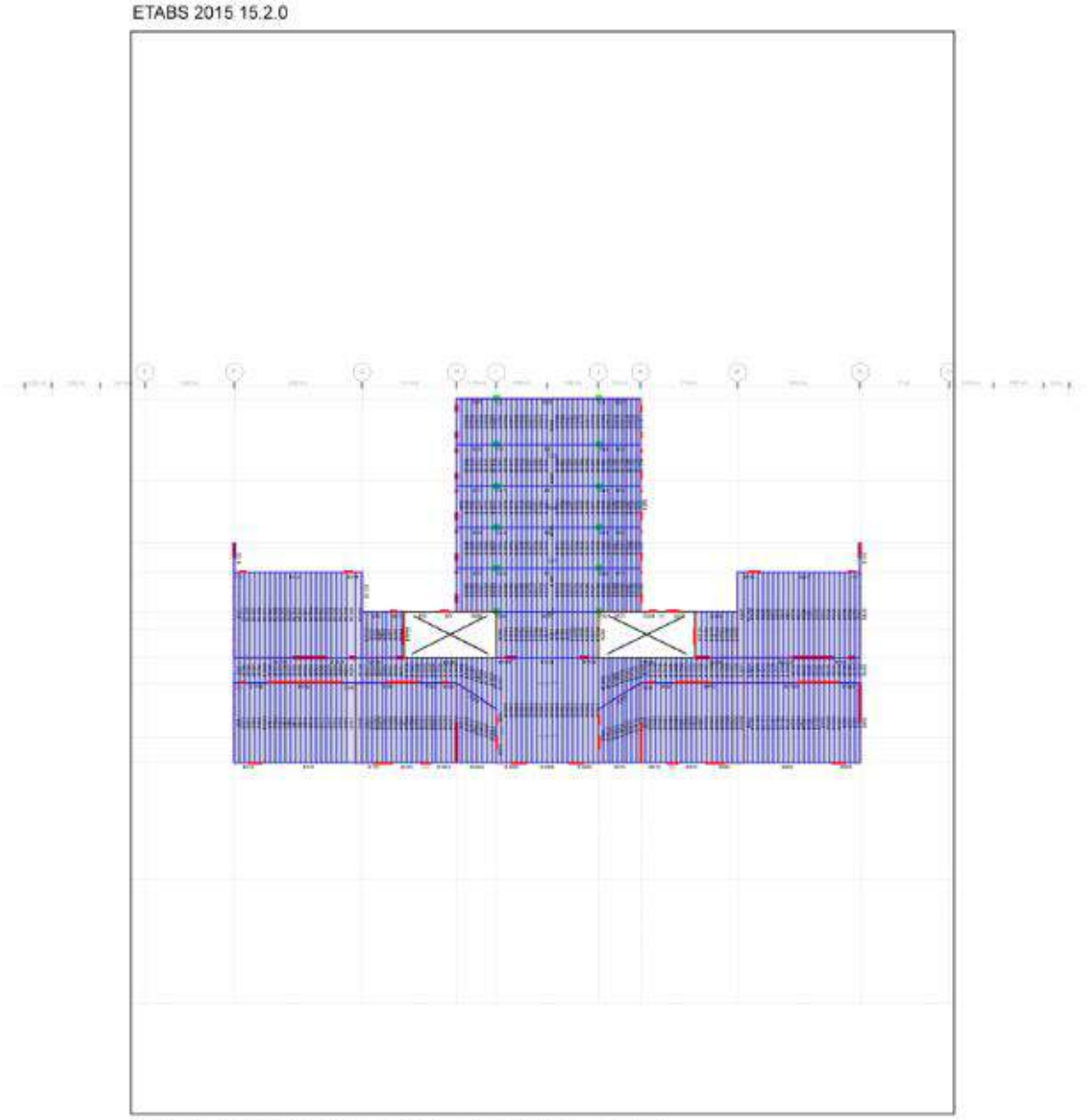


ALCALDIA BARRIOS UNIDOS EDBan View - CUBIERTA - Z = 7.2 (m)

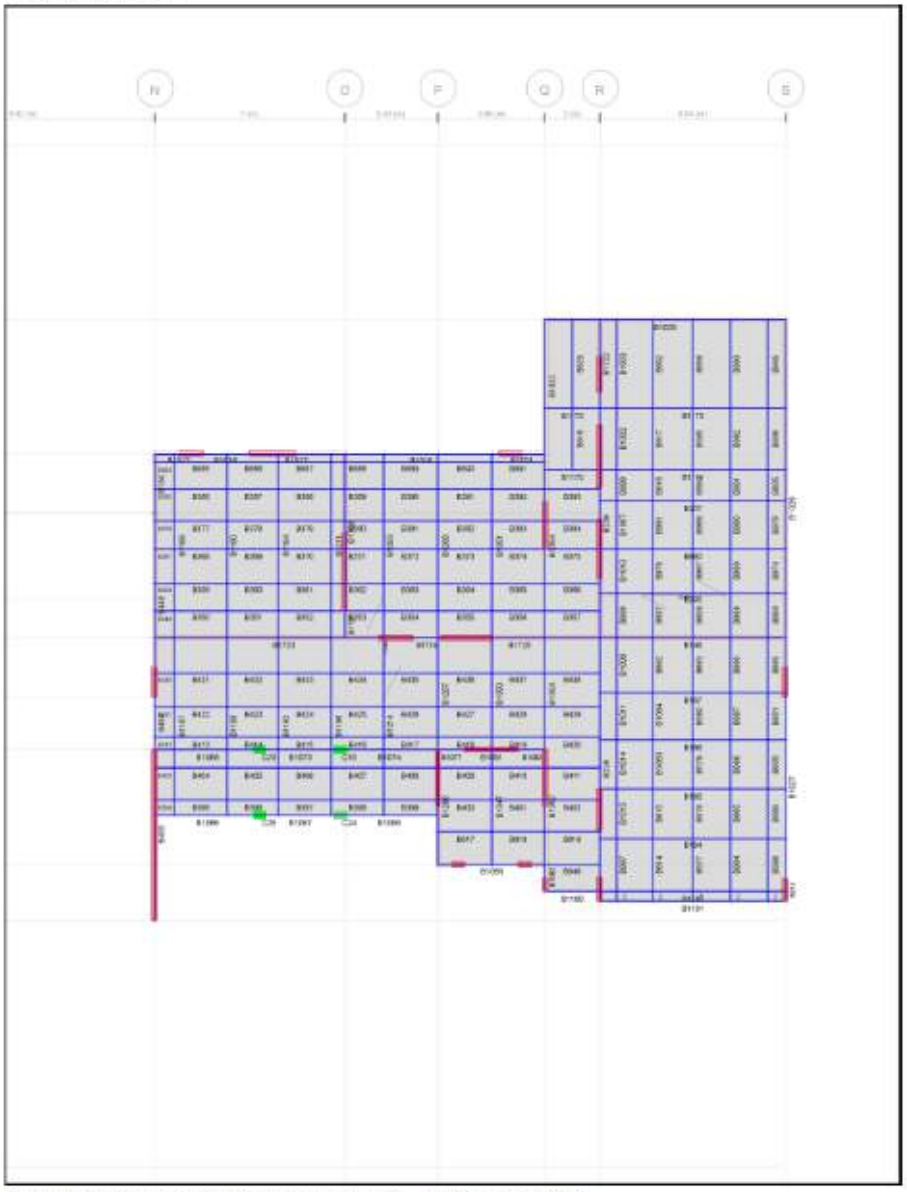
ETABS 2015 15.2.0



ALCALDIA BARRIOS UNIDOS.EDBPlan View - PISO2 - Z = 3.7 (m)

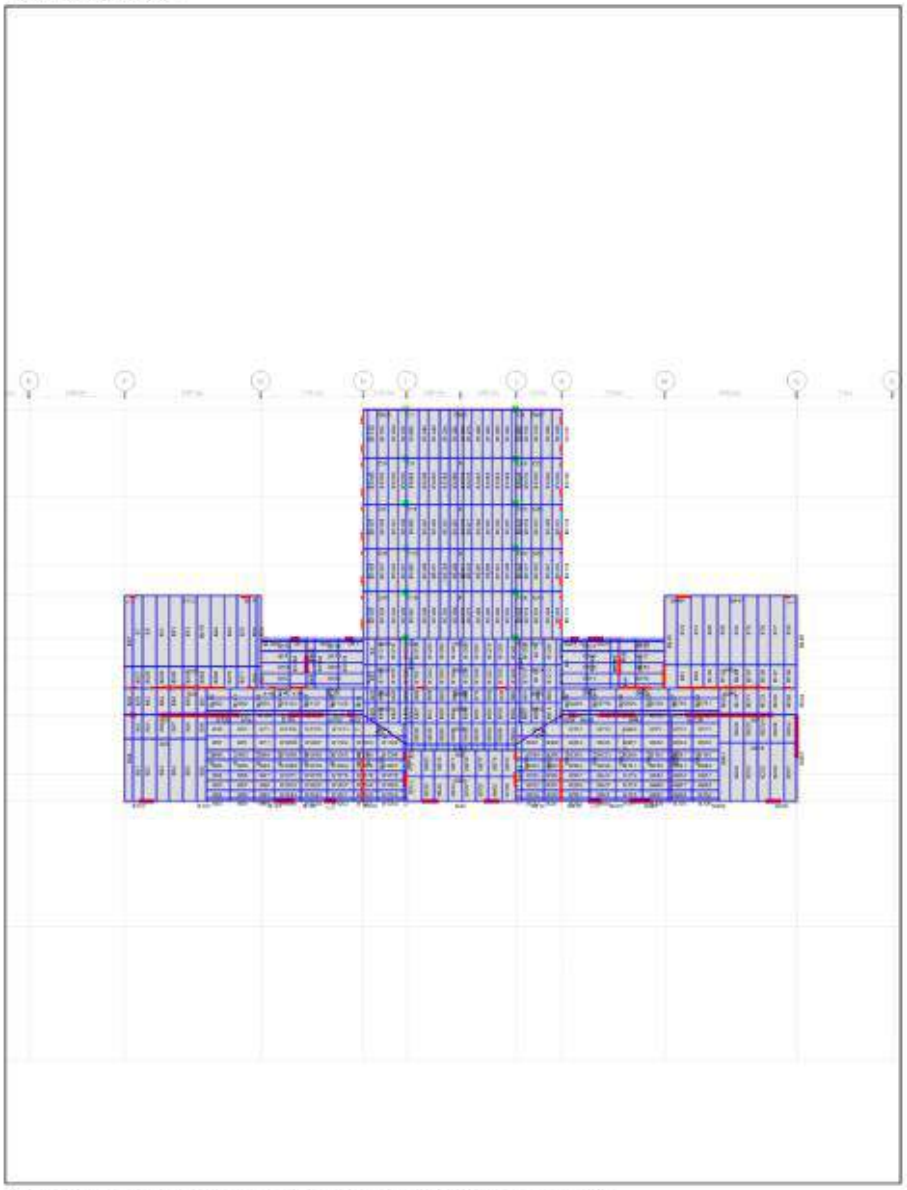

ETABS 2015 15.2.0
ALCALDIA BARRIOS UNIDOS.EDB Plan View - PISO2 - Z = 3.7 (m)

ETABS 2015 15.2.0



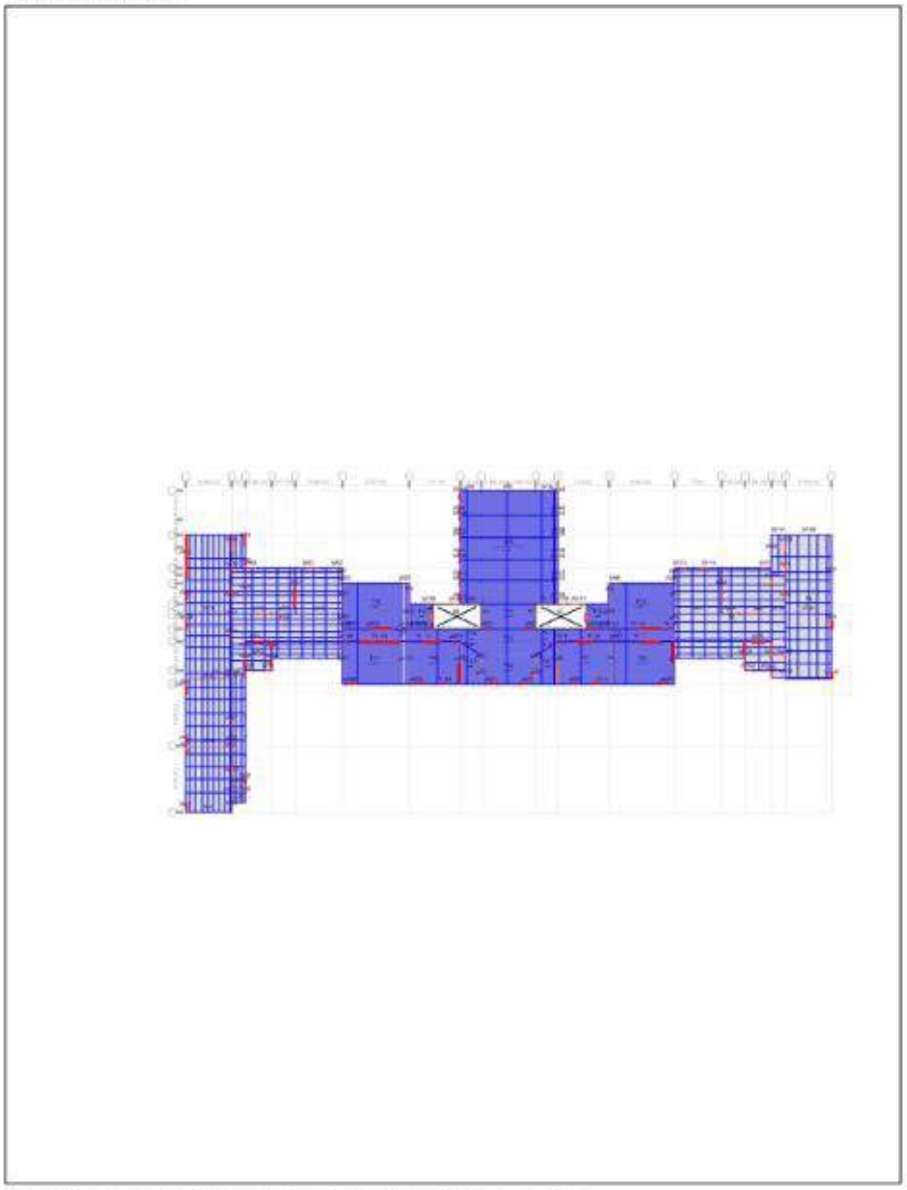
ALCALDIA BARRIOS UNIDOS.EDBPlan View - PISO2 - Z = 3.7 (m)

ETABS 2015 15.2.0



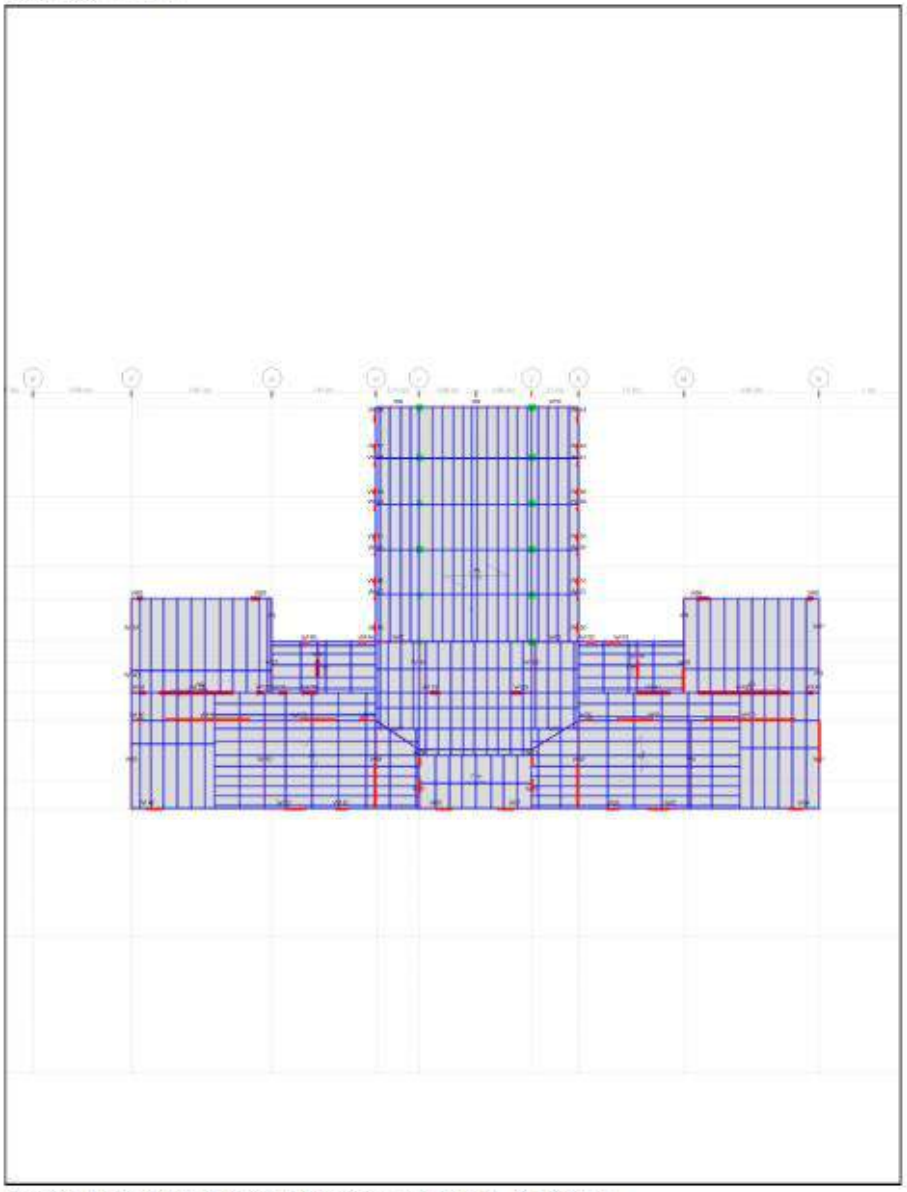
ALCALDIA BARRIOS UNIDOS EDBan View - CUBIERTA - Z = 7.2 (m)

ETABS 2015 15.2.0



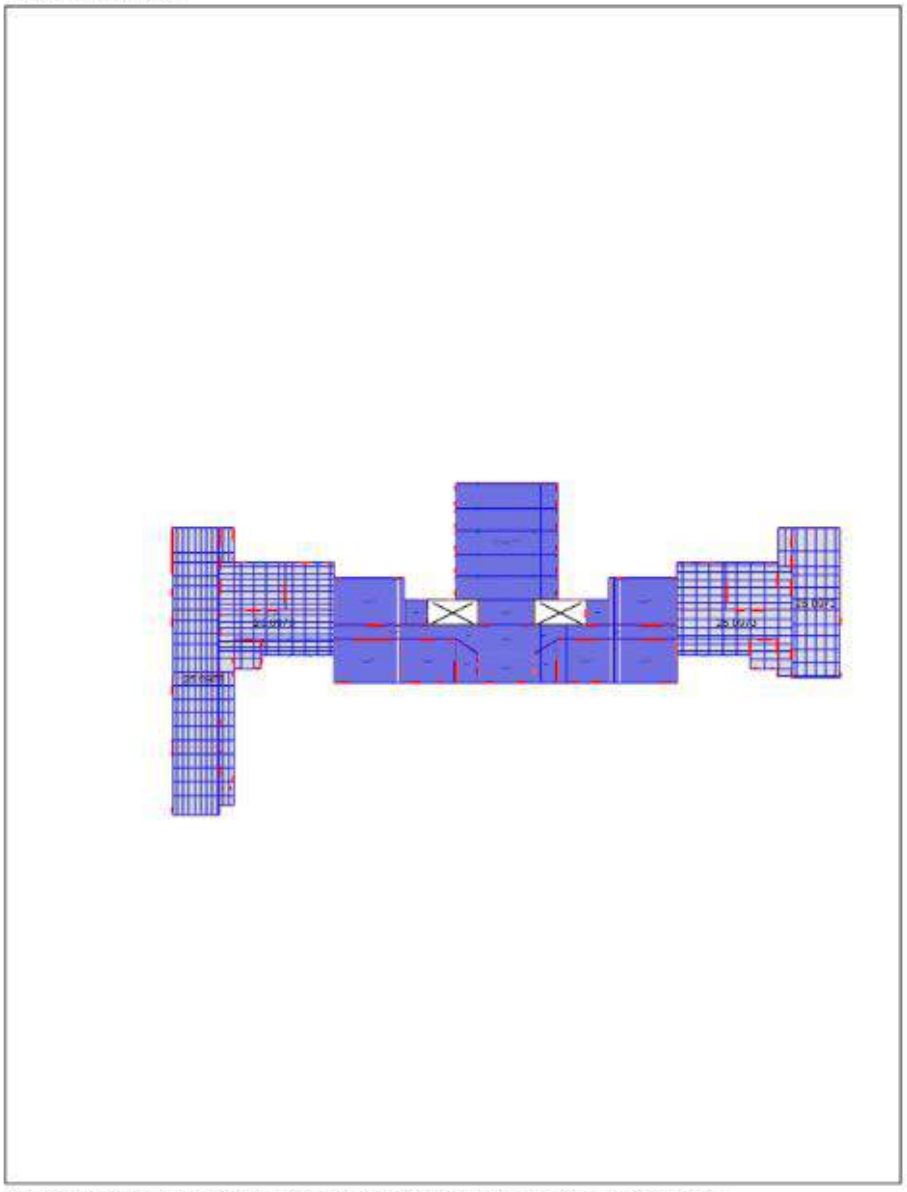
ALCALDIA BARRIOS UNIDOS.EDB Plan View - PISO2 - Z = 3.7 (m)

ETABS 2015 15.2.0



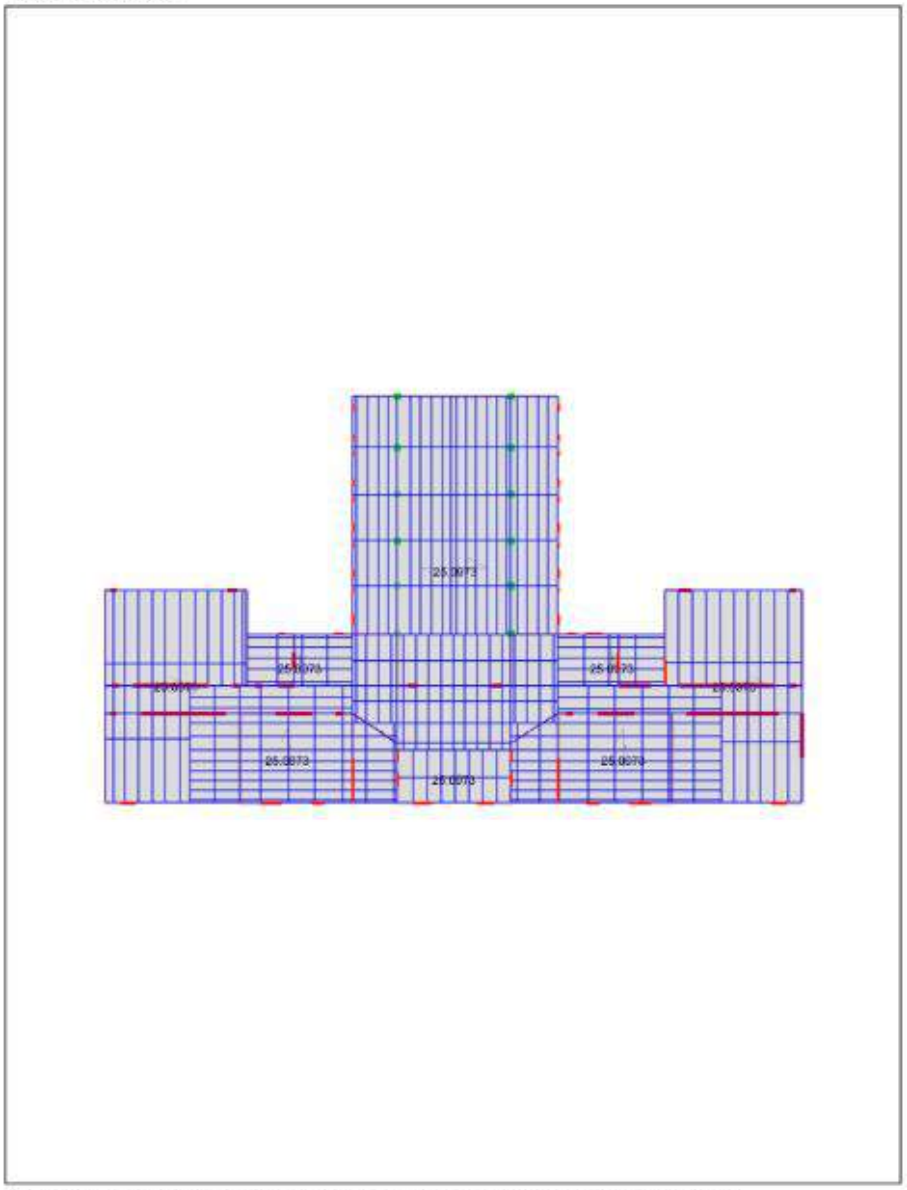
ALCALDIA BARRIOS UNIDOS.EDB Plan View - CUBIERTA - Z = 7.2 (m)

ETABS 2015 15.2.0



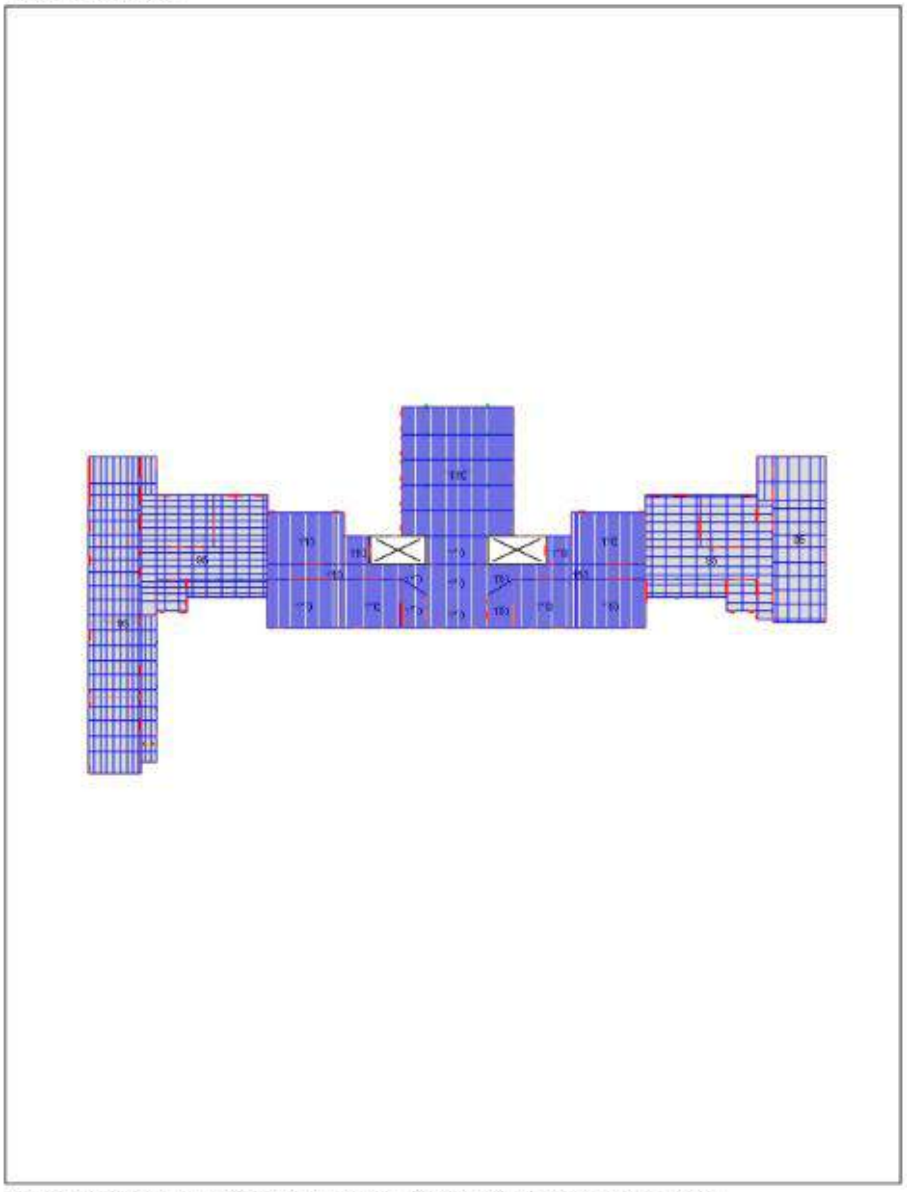
ALCALDIA BARRIOS UNIDOS EDIFICIO2 - Z = 3.7 (m) Uniform Loads Gravity (PP)

ETABS 2015 15.2.0



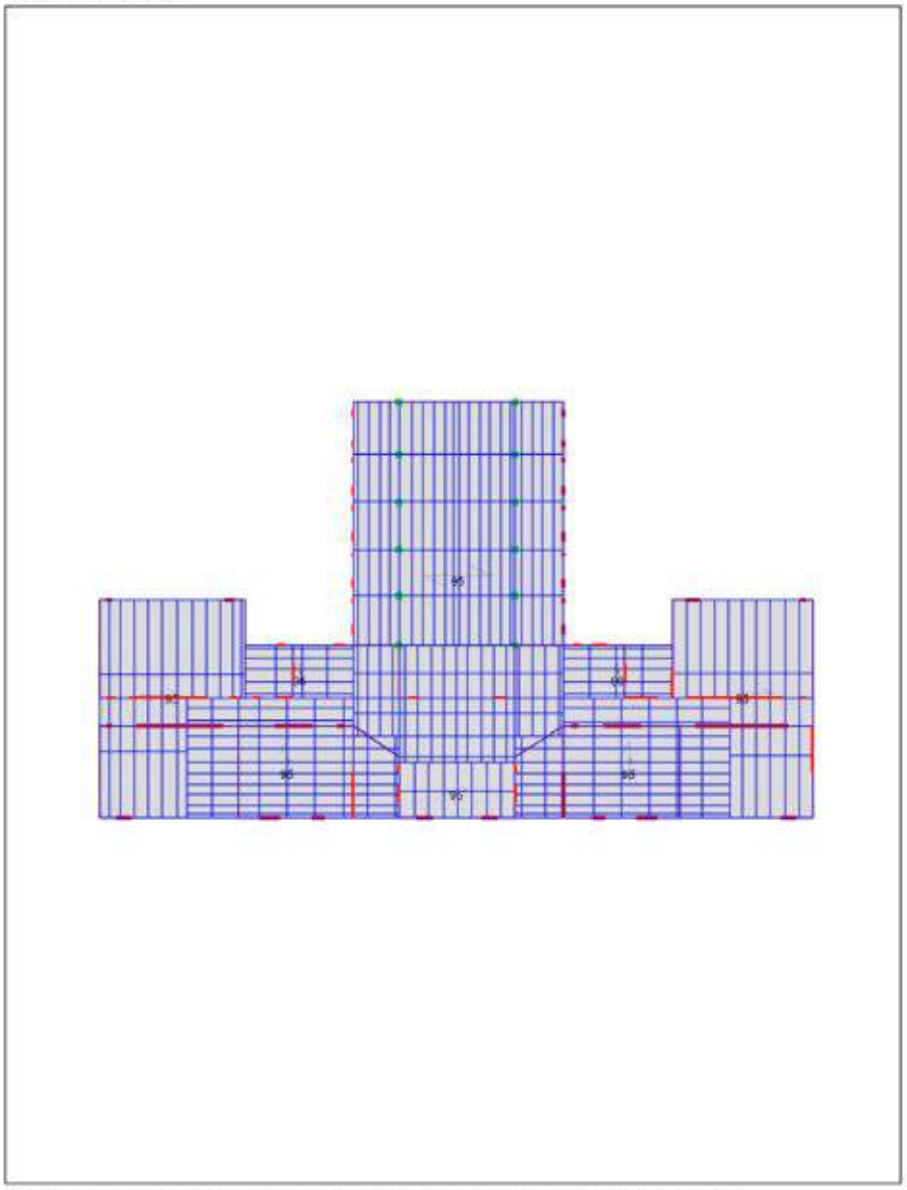
ALCALDIA BARRIOS UNIDOS CUBIERTA - Z = 7.2 (m) Uniform Loads Gravity (PP)

ETABS 2015 15.2.0



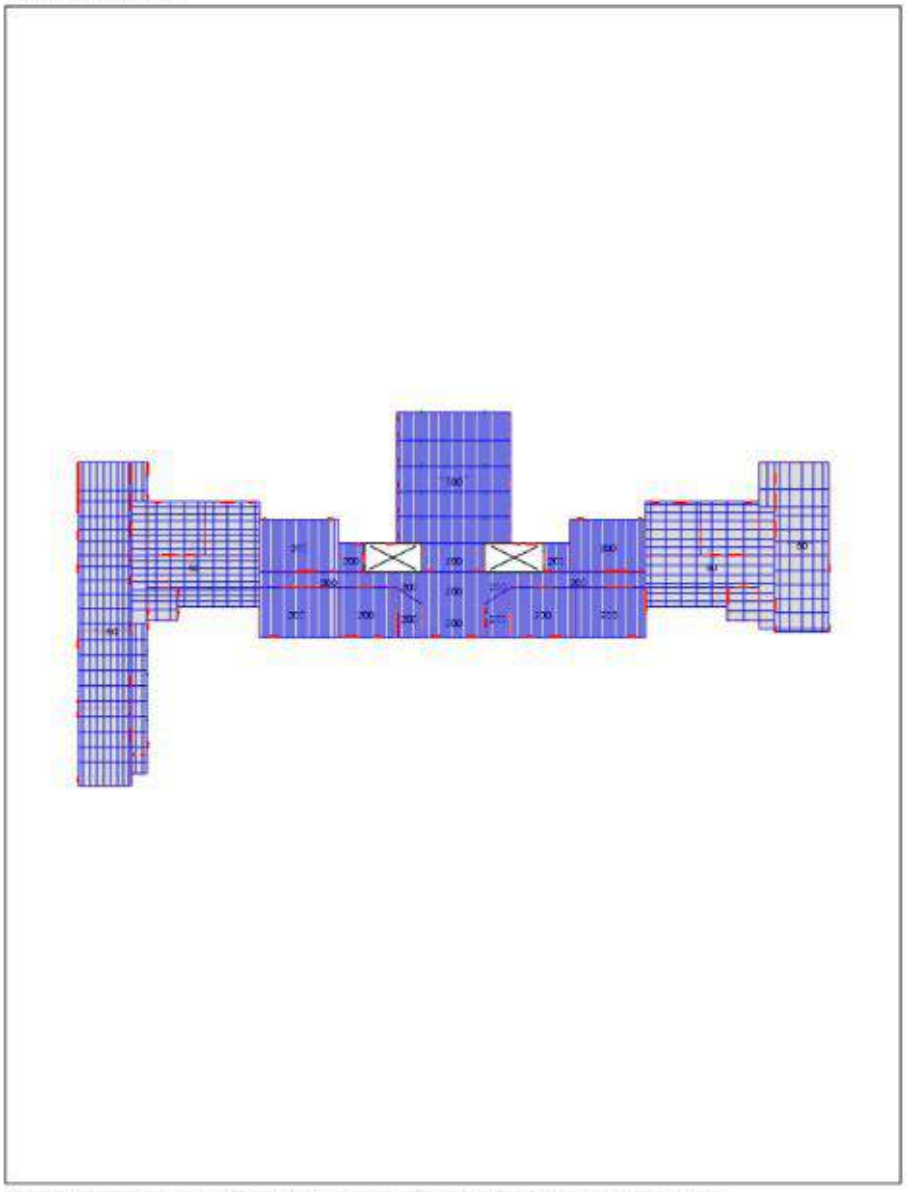
ALCALDIA BARRIOS UNIDOS - PISO2 - Z = 3.7 (m) Uniform Loads Gravity (CA)

ETABS 2015 15.2.0



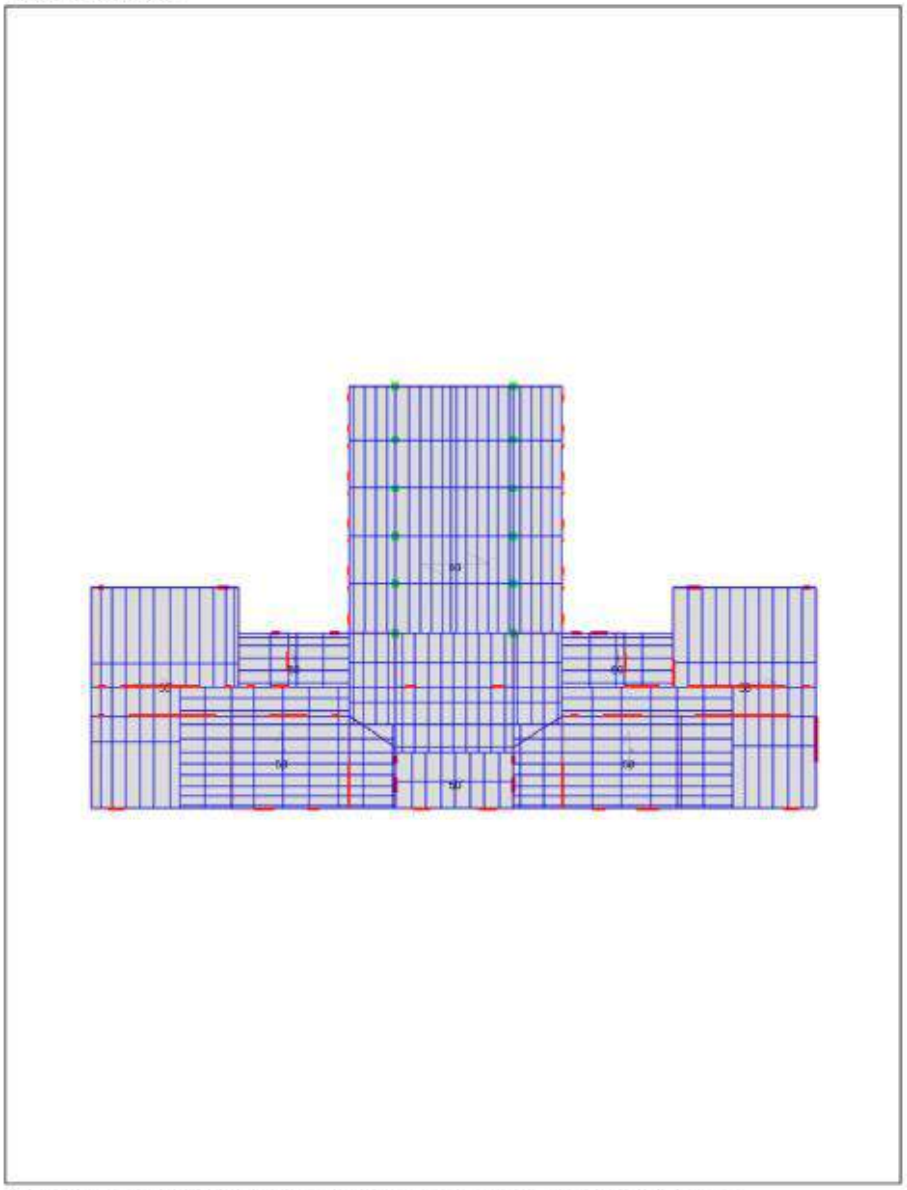
ALCALDIA BARRIO SAN NICOLAS CUBIERTA - Z = 7.2 (m) Uniform Loads Gravity (CA)

ETABS 2015 15.2.0



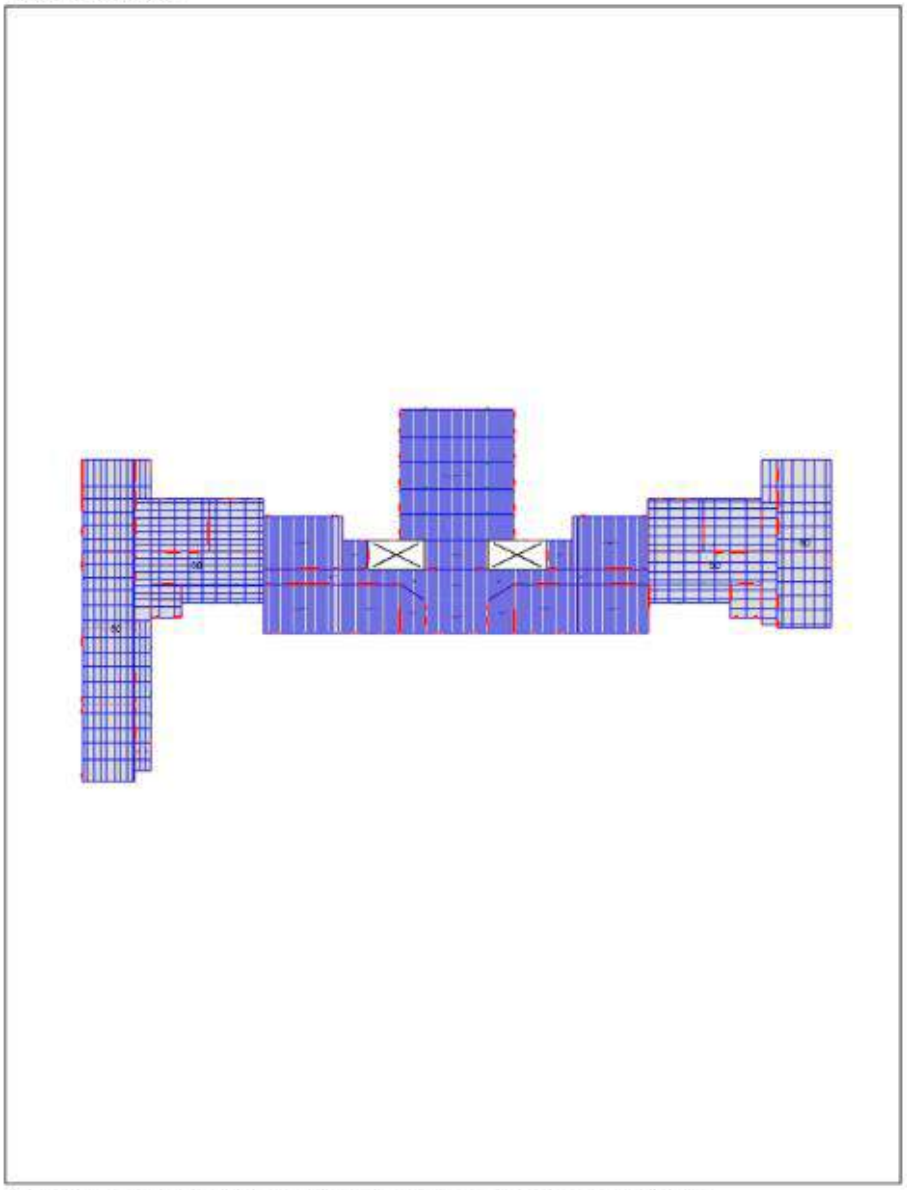
ALCALDIA BARRIOS UNIDOS EDIFICIO2 - Z = 3.7 (m) Uniform Loads Gravity (CV)

ETABS 2015 15.2.0



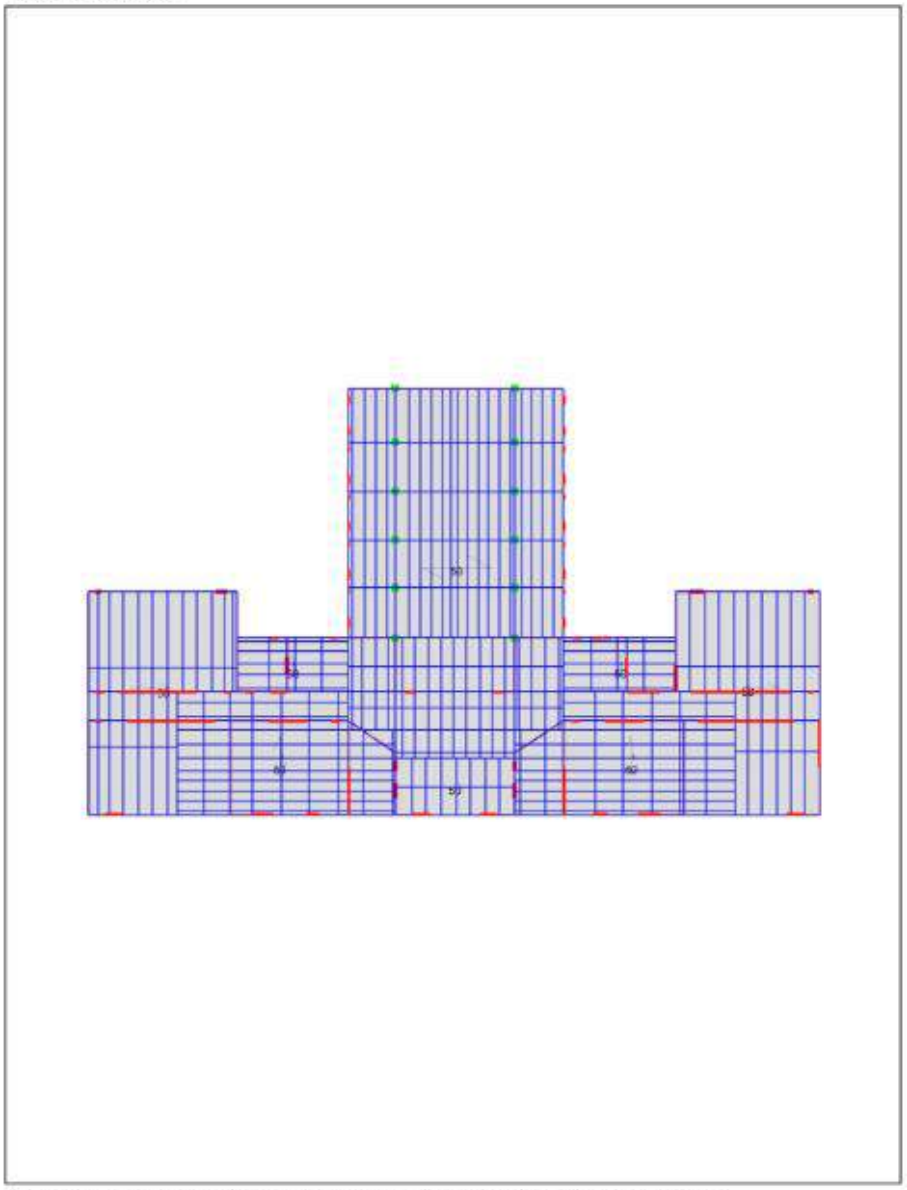
ALCALDIA BARRIO TABLONES CUBIERTA - Z = 7.2 (m) Uniform Loads Gravity (CV)

ETABS 2015 15.2.0



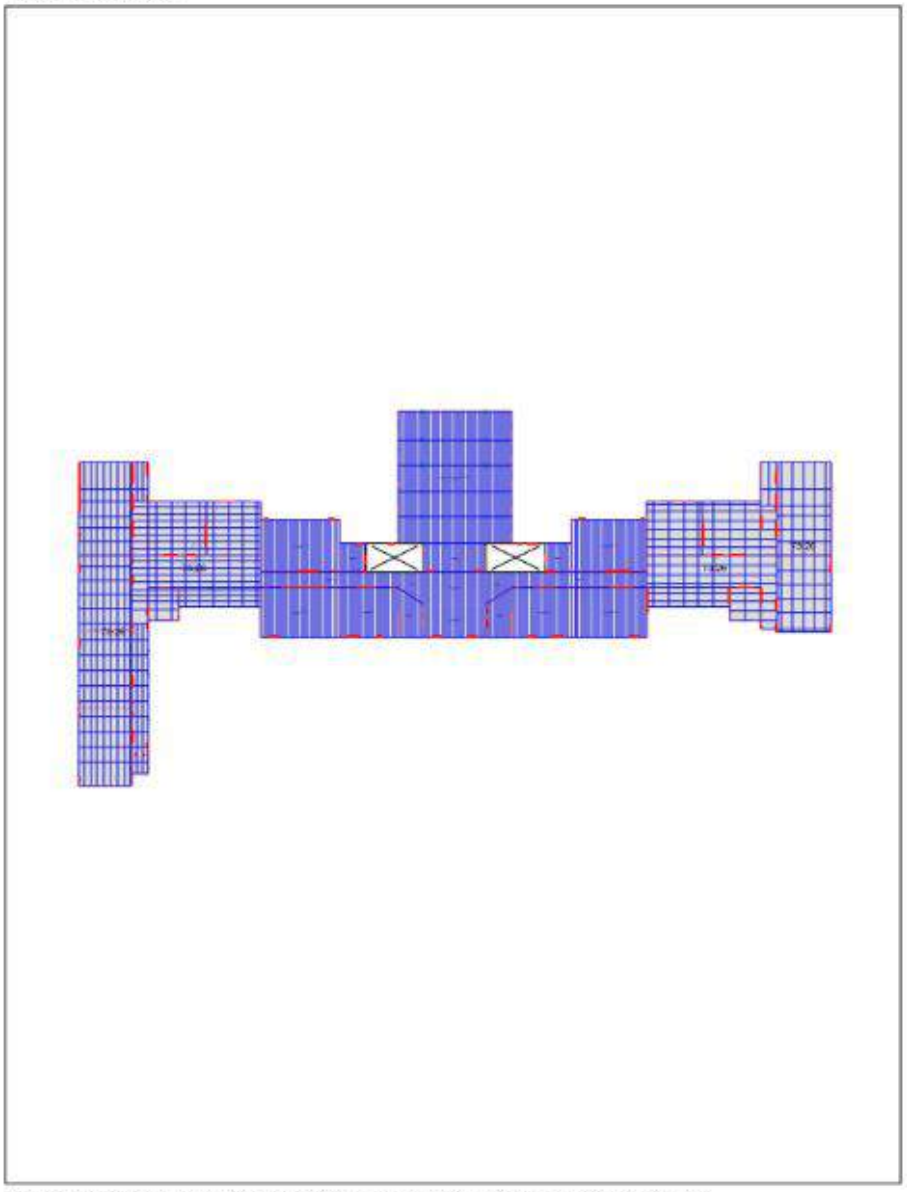
ALCALDIA BARRIOS UNIDOS EDIFICIO - PISO2 - Z = 3.7 (m) Uniform Loads Gravity (G)

ETABS 2015 15.2.0



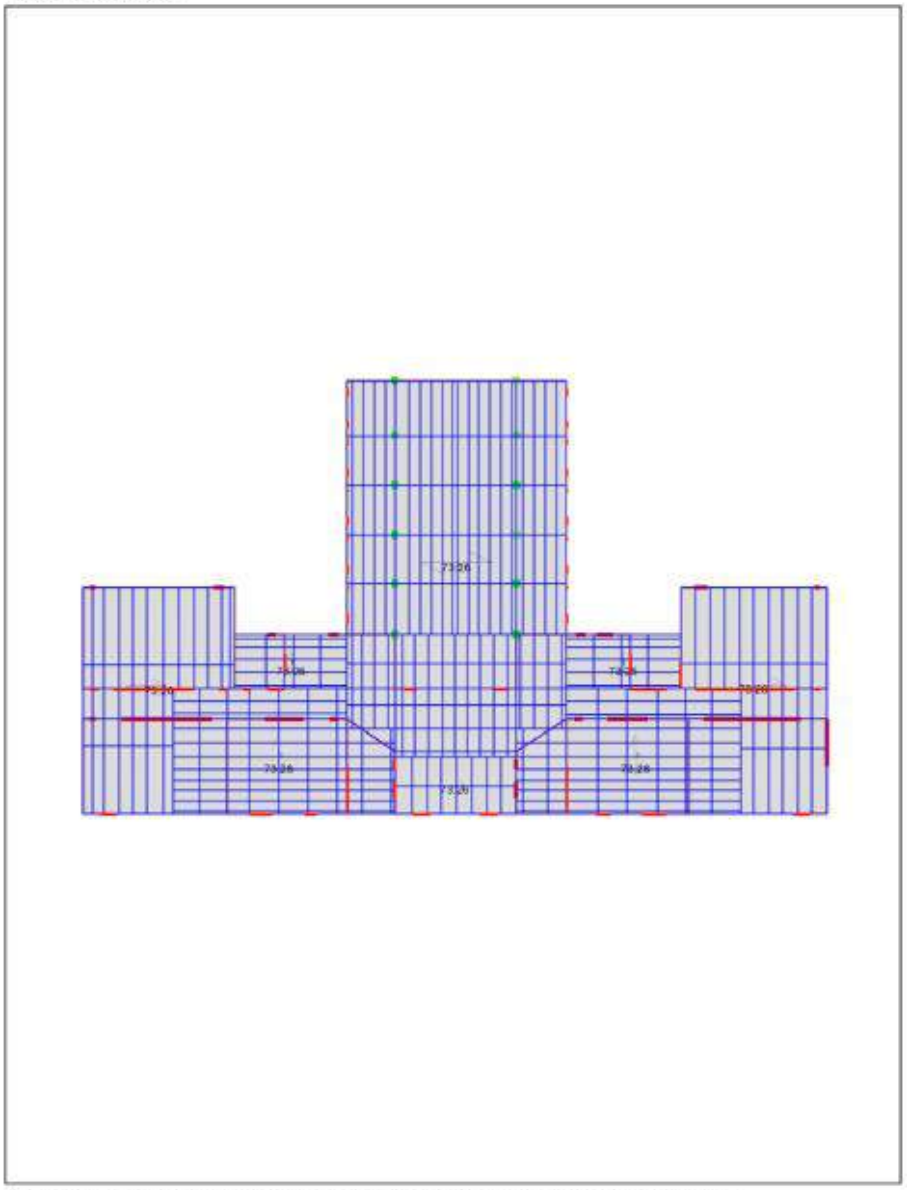
ALCALDIA BARRIO UNIDOS - CUBIERTA - Z = 7.2 (m) Uniform Loads Gravity (G)

ETABS 2015 15.2.0



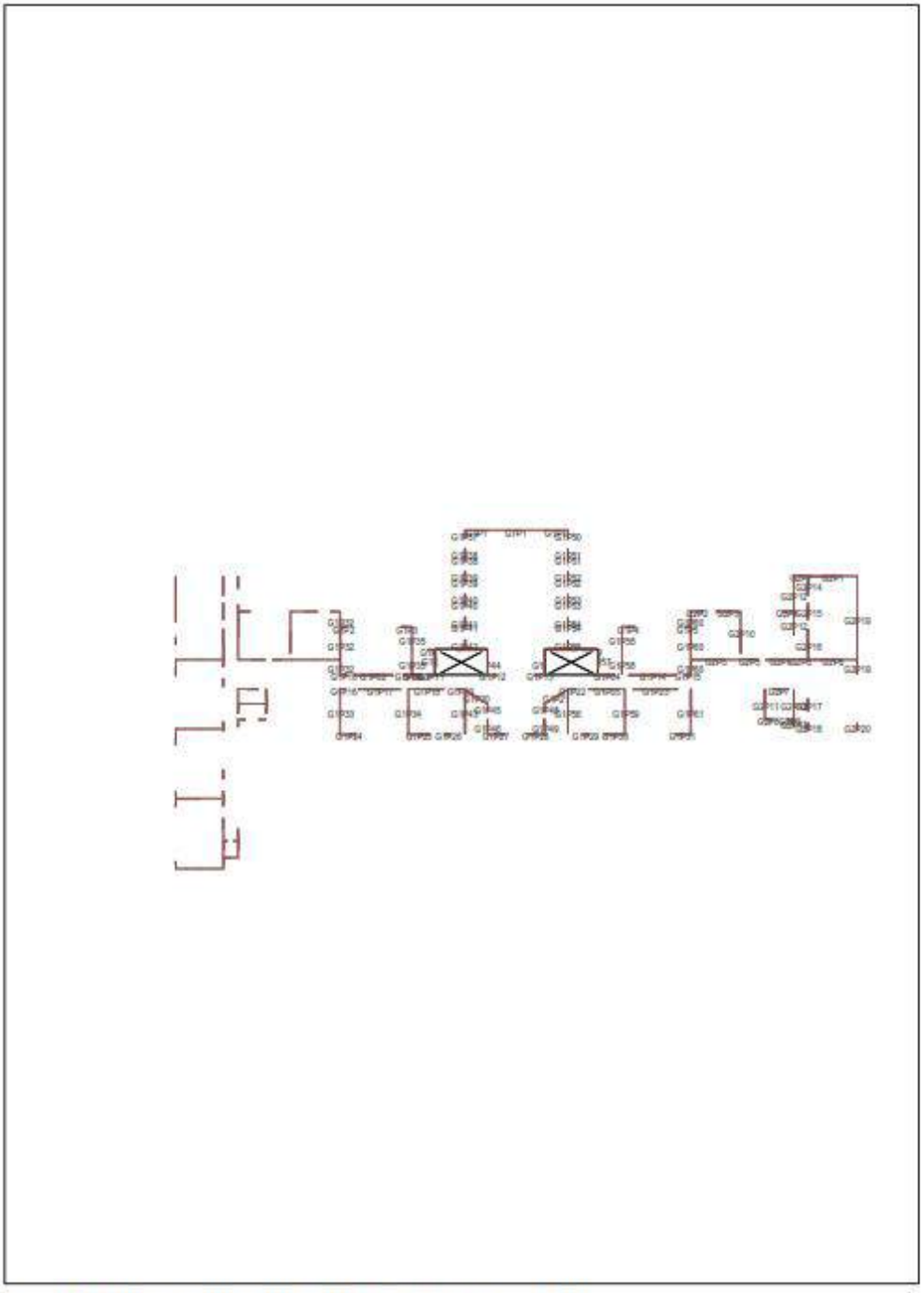
ALCALDIA BARRIOS UNIDOS EDIF SO2 - Z = 3.7 (m) Uniform Loads Gravity (W)

ETABS 2015 15.2.0



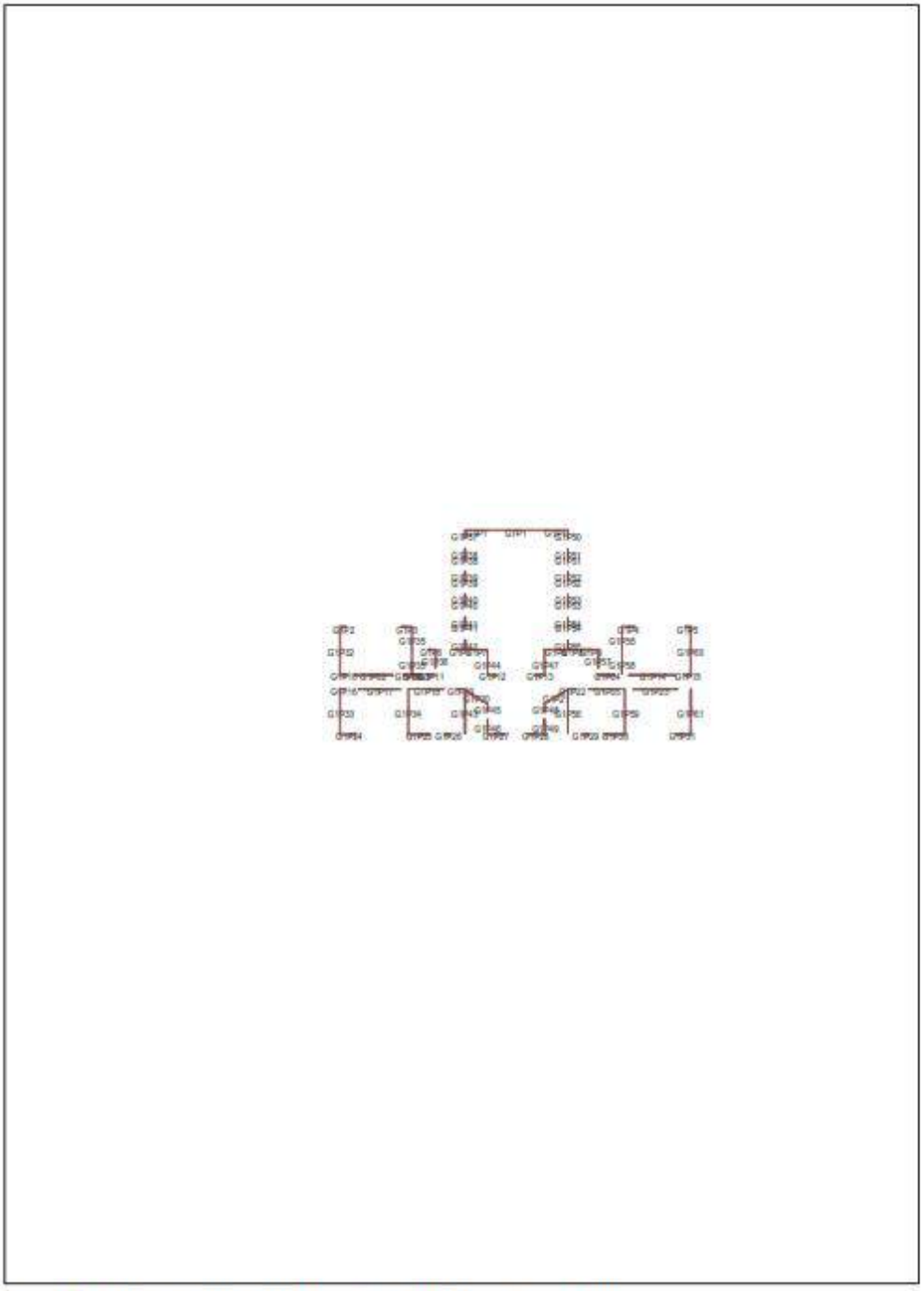
ALCALDIA BARRIO [illegible] CUBIERTA - Z = 7.2 (m) Uniform Loads Gravity (W)

ETABS 2015 15.2.2



ALCALDIA BARRIOS UNIDOS.EDB Plan View - PISO2 - Z = 3.7 (m)

ETABS 2015 15.2.2



ALCALDIA BARRIOS UNIDOS.EDB Plan View - CUBIERTA - Z = 7.2 (m)

4.5 ANALISIS DE FUERZA SISMICA

4.5.1 Resumen de Densidades por Piso

PISO	AREA (m2)	VIGAS (T/m^2)	PLACA (T/m^2)	VIGUETA (T/m^2)	M. NE (T/m^2)	COLUMNAS Y PANTALLAS (T/m^2)	MURO CONT. (T/m^2)	CUBIERTA (T/m2)	ESCALERAS (T/m2)	TOTAL (T/m^2)	TOTAL (T)
N +7.20	925.50	0.019	0.00	0.000	0.00	0.195	0.00	0.12	0.00	0.33	309.09
N +3.70	1886.36	0.009	0.11	0.000	0.00	0.306	0.00	0.12	0.00	0.55	1,028.32
N +0.00	1886.36	0.000	0.00	0.000	0.00	0.210	0.00	0.00	0.00	0.21	396.33
A. Total	4698.22	**Peso a cimentación**								**0.37**	**1733.74**
		Peso modelo matematico								**0.37**	**1759.55**

Porcentaje de diferencia entre avaluo de cargas y modelo matematico 1.489% ok es menor que el 5 %

Porcentaje de participaicon de masas en los sentidos principales de la estrucutra

Sentido X 98.65% ok

Sentido Y 98.70% ok

4.5.2 Distribución de Cargas Sísmicas

CALIF.ESTRUC. IRREGULAR

%AJUSTE V= 0.9

PISO	h (m)	h ACUM.	h^k	w (t)	wh^k	Cv (%)	Fx (t)	M (t.m)
N +7.20	3.5	7.20	7.20	309.09	2225.43	0.37	251.93	552.99
N +3.70	3.7	3.70	3.70	1,028.32	3804.77	0.63	430.73	945.44
N +0.00	0.00	0.00	0.0	396.33	0.00	0.00		
				1733.74	6030.20	1.00	682.66	945.44

Vd $_{x-x}$ 255.91

Vd $_{y-y}$ 310.73

T= 0.01

W= 1734 t V= 682.7 t

k= 1.00 Sa= 0.39

AJUSTE	%	g
SENTIDO X	2.40	23.55
SENTIDO Y	1.98	19.40

4.6 DERIVAS ADMISIBLES

DERIVAS ADMISIBLES								
NUDO		δx (cm)	δy (cm)	Δx (cm)	Δy (cm)	Δ (cm)	$\Delta_{admisible}$ (cm)	%
COMB 1 MAX								
PISO2	99	0.0000	-0.0001	0.0000	0.0001	0.0001	1.85	0.000
BASE	99	0.0000	0.0000					
PISO2	78	0.0000	-0.0001	0.0000	0.0001	0.0001	1.85	0.000
BASE	78	0.0000	0.0000					
PISO2	174	0.0000	0.0000	0.0000	0.0000	0.0000	1.85	0.000
BASE	174	0.0000	0.0000					
PISO2	172	0.0000	0.0000	0.0000	0.0000	0.0000	1.85	0.000
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0001	-0.0004	0.0001	0.0003	0.0003	1.75	0.000
PISO2	7	0.0000	-0.0001	0.0000	0.0001	0.0001	1.85	0.000
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0002	-0.0004	0.0002	0.0003	0.0003	1.75	0.000
PISO2	55	0.0000	-0.0001	0.0000	0.0001	0.0001	1.85	0.000
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0001	-0.0002	0.0001	0.0002	0.0002	1.75	0.000
PISO2	11	0.0000	0.0000	0.0000	0.0000	0.0000	1.85	0.000
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0002	-0.0002	0.0002	0.0002	0.0002	1.75	0.000
PISO2	57	0.0000	0.0000	0.0000	0.0000	0.0001	1.85	0.000
BASE	57	0.0000	0.0000					

COMB 2 MAX								
PISO2	99	0.0051	0.0007	0.0051	0.0007	0.0051	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	0.0051	0.0007	0.0051	0.0007	0.0051	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	0.0051	0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	0.0051	0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0122	0.0018	0.0071	0.0014	0.0072	1.75	0.004
PISO2	7	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0130	0.0018	0.0079	0.0014	0.0080	1.75	0.005
PISO2	55	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0122	0.0022	0.0071	0.0018	0.0073	1.75	0.004
PISO2	11	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0130	0.0022	0.0079	0.0018	0.0081	1.75	0.005
PISO2	57	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	57	0.0000	0.0000					

COMB 3 MAX								
PISO2	99	-0.0051	-0.0010	0.0051	0.0010	0.0052	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	-0.0051	-0.0010	0.0051	0.0010	0.0052	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	-0.0051	-0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	-0.0051	-0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	-0.0120	-0.0025	0.0069	0.0019	0.0072	1.75	0.004
PISO2	7	-0.0051	-0.0006	0.0051	0.0006	0.0051	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	-0.0127	-0.0025	0.0076	0.0019	0.0078	1.75	0.004
PISO2	55	-0.0051	-0.0006	0.0051	0.0006	0.0051	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	-0.0120	-0.0024	0.0069	0.0020	0.0072	1.75	0.004
PISO2	11	-0.0051	-0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	-0.0127	-0.0024	0.0076	0.0020	0.0079	1.75	0.004
PISO2	57	-0.0051	-0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	57	0.0000	0.0000					

COMB 4 MAX								
PISO2	99	0.0001	0.0058	0.0001	0.0058	0.0058	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	0.0002	0.0058	0.0002	0.0058	0.0058	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	0.0001	0.0047	0.0001	0.0047	0.0047	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	0.0002	0.0047	0.0002	0.0047	0.0047	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0003	0.0127	0.0002	0.0072	0.0072	1.75	0.004
PISO2	7	0.0001	0.0055	0.0001	0.0055	0.0055	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0005	0.0127	0.0003	0.0072	0.0072	1.75	0.004
PISO2	55	0.0002	0.0055	0.0002	0.0055	0.0055	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0003	0.0126	0.0002	0.0076	0.0076	1.75	0.004
PISO2	11	0.0001	0.0050	0.0001	0.0050	0.0050	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0005	0.0126	0.0003	0.0076	0.0076	1.75	0.004
PISO2	57	0.0002	0.0050	0.0002	0.0050	0.0050	1.85	0.003
BASE	57	0.0000	0.0000					

COMB 5 MAX								
PISO2	99	-0.0002	-0.0060	0.0002	0.0060	0.0060	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	-0.0002	-0.0060	0.0002	0.0060	0.0060	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	-0.0002	-0.0047	0.0002	0.0047	0.0047	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	-0.0002	-0.0047	0.0002	0.0047	0.0047	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	-0.0001	-0.0133	0.0000	0.0076	0.0076	1.75	0.004
PISO2	7	-0.0001	-0.0057	0.0001	0.0057	0.0057	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	-0.0002	-0.0133	0.0000	0.0076	0.0076	1.75	0.004
PISO2	55	-0.0002	-0.0057	0.0002	0.0057	0.0057	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	-0.0001	-0.0128	0.0000	0.0078	0.0078	1.75	0.004
PISO2	11	-0.0001	-0.0050	0.0001	0.0050	0.0050	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	-0.0002	-0.0128	0.0000	0.0078	0.0078	1.75	0.004
PISO2	57	-0.0002	-0.0050	0.0002	0.0050	0.0050	1.85	0.003
BASE	57	0.0000	0.0000					

COMB 6 MAX								
PISO2	99	0.0051	0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	0.0051	0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	0.0051	0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	0.0051	0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0121	0.0020	0.0070	0.0016	0.0072	1.75	0.004
PISO2	7	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0130	0.0020	0.0079	0.0016	0.0081	1.75	0.005
PISO2	55	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0121	0.0023	0.0070	0.0019	0.0073	1.75	0.004
PISO2	11	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0130	0.0023	0.0079	0.0019	0.0081	1.75	0.005
PISO2	57	0.0051	0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	57	0.0000	0.0000					

COMB 7 MAX								
PISO2	99	-0.0051	-0.0009	0.0051	0.0009	0.0052	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	-0.0051	-0.0009	0.0051	0.0009	0.0052	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	-0.0051	-0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	-0.0051	-0.0008	0.0051	0.0008	0.0052	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	-0.0120	-0.0023	0.0069	0.0018	0.0071	1.75	0.004
PISO2	7	-0.0051	-0.0005	0.0051	0.0005	0.0051	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	-0.0128	-0.0023	0.0077	0.0018	0.0079	1.75	0.005
PISO2	55	-0.0051	-0.0005	0.0051	0.0005	0.0051	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	-0.0120	-0.0023	0.0069	0.0019	0.0072	1.75	0.004
PISO2	11	-0.0051	-0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	-0.0128	-0.0023	0.0077	0.0019	0.0079	1.75	0.005
PISO2	57	-0.0051	-0.0004	0.0051	0.0004	0.0051	1.85	0.003
BASE	57	0.0000	0.0000					

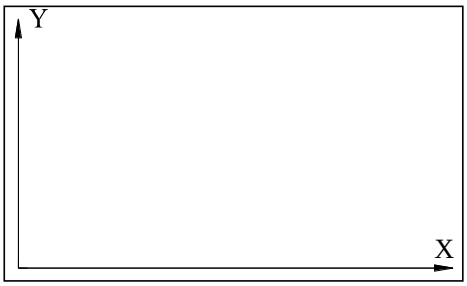
COMB 8 MAX								
PISO2	99	0.0001	0.0059	0.0001	0.0059	0.0059	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	0.0002	0.0059	0.0002	0.0059	0.0059	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	0.0001	0.0047	0.0001	0.0047	0.0047	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	0.0002	0.0047	0.0002	0.0047	0.0047	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0002	0.0129	0.0001	0.0073	0.0073	1.75	0.004
PISO2	7	0.0001	0.0056	0.0001	0.0056	0.0056	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0004	0.0129	0.0002	0.0073	0.0073	1.75	0.004
PISO2	55	0.0002	0.0056	0.0002	0.0056	0.0056	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0002	0.0127	0.0001	0.0077	0.0077	1.75	0.004
PISO2	11	0.0001	0.0050	0.0001	0.0050	0.0050	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0004	0.0127	0.0002	0.0077	0.0077	1.75	0.004
PISO2	57	0.0002	0.0050	0.0002	0.0050	0.0050	1.85	0.003
BASE	57	0.0000	0.0000					

COMB 9 MAX								
PISO2	99	-0.0002	-0.0060	0.0002	0.0060	0.0060	1.85	0.003
BASE	99	0.0000	0.0000					
PISO2	78	-0.0002	-0.0060	0.0002	0.0060	0.0060	1.85	0.003
BASE	78	0.0000	0.0000					
PISO2	174	-0.0002	-0.0047	0.0002	0.0047	0.0047	1.85	0.003
BASE	174	0.0000	0.0000					
PISO2	172	-0.0002	-0.0047	0.0002	0.0047	0.0047	1.85	0.003
BASE	172	0.0000	0.0000					
CUBIERTA	7	-0.0001	-0.0131	0.0000	0.0074	0.0074	1.75	0.004
PISO2	7	-0.0001	-0.0057	0.0001	0.0057	0.0057	1.85	0.003
BASE	7	0.0000	0.0000					
CUBIERTA	55	-0.0002	-0.0131	0.0000	0.0074	0.0074	1.75	0.004
PISO2	55	-0.0002	-0.0057	0.0002	0.0057	0.0057	1.85	0.003
BASE	55	0.0000	0.0000					
CUBIERTA	11	-0.0001	-0.0127	0.0000	0.0077	0.0077	1.75	0.004
PISO2	11	-0.0001	-0.0050	0.0001	0.0050	0.0050	1.85	0.003
BASE	11	0.0000	0.0000					
CUBIERTA	57	-0.0002	-0.0127	0.0000	0.0077	0.0077	1.75	0.004
PISO2	57	-0.0002	-0.0050	0.0002	0.0050	0.0050	1.85	0.003
BASE	57	0.0000	0.0000					

4.6.1 Verificación de la Irregularidad Torsional

VERIFICACIÓN DE LA IRREGULARIDAD TORSIONAL

Esquema Estructural - Identificación de Nudos Para Revisión de la Irregularidad Torsional Estructura Principal



REVISIÓN DE LA IRREGULARIDAD TORSIONAL

SISMO EN X Caso de Carga: 2 **Δ** =Deriva del análisis.

Columna Eje Vertical:

Nudo: 11 57 Nudo: 7 55

Nivel	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax
CUBIERTA	0.01	0.01	0.01		**NO**	0.66	0.01	0.01	0.01		**NO**	0.64
PISO2	0.01	0.01	0.01		**NO**	0.26	0.01	0.01	0.01		**NO**	0.26

SISMO EN Y Caso de Carga: 4 **Δ** =Deriva del análisis.

Columna Eje Vertical:

Nudo: 7 11 Nudo: 55 57

Nivel	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax
CUBIERTA	0.01	0.01	0.01		**NO**	0.58	0.01	0.01	0.01		**NO**	0.58
PISO2	0.01	0.01	0.01		**NO**	0.30	0.01	0.01	0.01		**NO**	0.30

4.7 ANALISIS SISMICO DE UMBRAL DE DAÑO

4.7.1 Definición de Movimiento Sísmico de Diseño

DEFINICION DE MOVIMIENTO SISMICO DE UMBRAL DE DAÑO

a.- Ubicación del proyecto: Calle 74A N° 63-04

b.- Zona de amenaza sísmica: Intermedia

c.- Valor de Ad Ad = 0.16

d.- Valor de Aod Aod= 0.08

e.- Zona de Respuesta Sísmica (Microzonificación): Lacustre 300

f.- Tipo de pérfil de suelo:

		Fa	Fv
	A		
	B		
	C		
	D		
	E		
X	F	1.25	4

g.- Grupo de uso III

h.- Coeficiente de importancia: I 1.25

i.- Coeficiente de amortig. crítico C.C.A: 2%

j.- Espectro de diseño: Elástico

Observaciones:

Según numeral A.6.2.1.2, el coeficiente de importancia a utilizar para el cálulo del desplazamiento horizontal I= 1 y para el diseño III= 1.25

Revisó:_____
Ejecutó:_____

4.7.2 Características de los Materiales y de la Estructura

CARACTERISTICAS DE LOS MATERIALES Y DE LA ESTRUCTURA			
a.-	Sistema estructural:	Muros de mampostería no reforzada	
b.-	Material	Bloques de arcilla	
c.-	Capacidad de disipación de energía	No tiene capacidad de disipación de energía	
d.-	Coeficiente de capacidad básica de modificación de respuesta	Ro =	1.0
	Coeficiente de Sobre resistencia	Ω_0=	2.5
e-	Número de edificaciones	1	
f-	Número de pisos	2	PISOS Y CUBIERTA
Observaciones:		Revisó:_____ Ejecutó:_____	

4.7.3 Irregularidad de la Edificación

IRREGULARIDAD DE LA EDIFICACION

a.- EDIFICACION: 3 PISOS

b- CONFIGURACION EN PLANTA

TIPO	DESCRIPCION		∅p
1aP	Irregularidad torsional		1.0
1bP	Irregularidad torsional extrema		1.0
2P	Retrocesos en esquinas	**X**	0.9
3P	Discontinuidades en el diafragma		1.0
4P	Desplaz. de elementos verticales		1.0
5P	Sistemas no paralelos		1.0

Φp= 0.9

c.- CONFIGURACION EN ALTURA

TIPO	DESCRIPCION	∅a
1aA	Piso flexible (irregularidad en rigidez)	1.0
1bA	Piso flexible (irregularidad extrema en rigidez)	1.0
2A	Distribución masa	1.0
3A	Irregularidad geométrica	1.0
4A	Desplaz. dentro del plano de acción	1.0
5aA	Piso débil- discontinuidad en la resistencia	1.0
5bA	Piso débil- discontinuidad extrema resistencia	1.0

Φa 1.0

d.- AUSENCIA DE REDUNDANCIA ∅Rx 1.00

∅ry 1.00

e.- COEFICIENTE BASICO DE CAPACIDAD DE DISIPACION DE ENERGIA

Ro= 1.0

f.- COEFICIENTE DE CAPACIDAD DE MODIFICACION DE RESPUESTA

R= (∅a) x (∅p) x(∅r)x Ro

RX= 1.00

RY= 1.00

La NSR-10 En su seccion 10.4.2.4 apartado d, establece que cuando se trate de edificaciones de mamposteria no reforzada, el valor del coeficiente de capacidad de disipacion de energia R´, debe ser igual a la unidad

g.- EFECTOS ORTOGONALES EN CARGAS SISMICAS

Se deben tener en cuenta: (100 % - 30%) x, (30% - 100 %) y

h.- MEZCLA DE SISTEMAS ESTRUCTURALES

No existe, ni en planta ni en altura.

Observaciones:

Revisó:_____
Ejecutó:_____

4.7.4 Característica del Diseño

CARACTERISTICAS DEL DISEÑO	
a.- METODO DE ANALISIS SISMICO UTILIZADO A.D.E. ANALISIS DINAMICO ELASTICO b- METODO DE ANALISIS ESTRUCTURAL Análisis matricial: Estructura principal c- METODO DE DISEÑO Esfuerzos ultimos	
Observaciones:	Revisó:_____ Ejecutó:_____

4.7.5 Espectro Sísmico Umbral de daño

ESPECTRO SISMICO DE UMBRAL DE DAÑO

MODELO NSR-10

a. - PERIODO DE LA ESTRUCTURA

Ta=	$Ct \times h^{\alpha}$	
Ct=	0.049	Muros de mampostería no reforzada
α=	0.75	
hn=	7.20	m.
T=	0.01	

b . - PARÁMETROS

Ad=	0.16	Aod=	0.08
Fa=	1.25	Fv=	4.00
I =	1.00		
Idis=	1.25		

c. - LIMITES DEL PERIODO

Tod=	(0.1*Fv)/(Fa)	=	0.32
Tcd=	(0.5*Fv)/(Fa)	=	1.60
TLd=	TLd	=	5.00

d. - ESPECTRO PARA PERIODOS MENORES A Tod.

Sa do =	Sado= 0.10

e. - ESPECTRO PARA PERIODOS ENTRE Tod y Tc.

Sa d1= 3.0 * Ad * Fa =	Sad1= 0.60

f. - ESPECTRO DE ACELERACIONES EN FUNCION DE T

Sa d2= $\frac{1.5 * Ad * Fv}{T}$	Sa 2= 87.27

g. - ESPECTRO PARA PERIODOS MAYORES A TL.

Sa d3= $\frac{1.5 * Ad * Fv * T_{Ld}}{T^2}$	Sa 3= 4.80 /T^2 39669.4

h. - ESPECTRO SISMICO DE DISEÑO

Sa = 0.10 10% (g)	

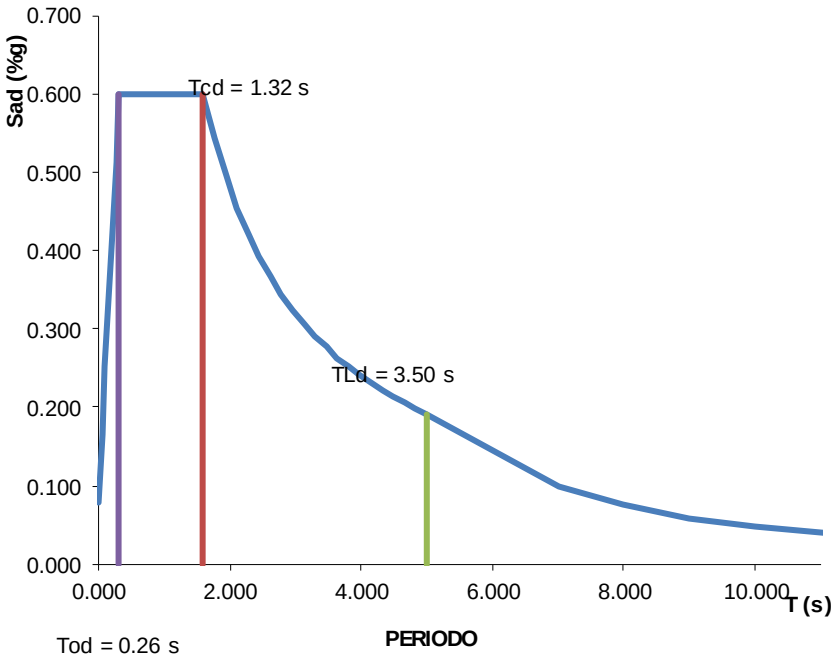
Para el diseño el espéctro sísmico según NSR-10, entonces Sa=0.1 = 9.7875% (g)

Observaciones:	Revisó:_____ Ejecutó:_____

ESPECTRO SISMICO DE UMBRAL DE DAÑO

CURVAS DE ESPECTROS DE ACUERDO A LA NSR-10

ESPECTRO DE DISEÑO



Observaciones:	Revisó:_____ Ejecutó:_____

4.8 ANALISIS DE FUERZA SISMICA UMBRAL DE DAÑO

4.8.1 Resumen de Densidades por Piso

PISO	AREA (m2)	VIGAS (T/m^2)	PLACA (T/m^2)	VIGUETA (T/m^2)	M. NE (T/m^2)	COLUMNAS (T/m^2)	MURO CIMEN. (T/m^2)	CUBIERTA (T/m2)	ESCALERAS (T/m2)	TOTAL (T/m^2)	TOTAL (T)
N +7.20	925.50	0.02	0.00	0.00	0.00	0.19	0.00	0.12	0.00	0.33	309.09
N +3.70	1886.36	0.01	0.11	0.00	0.00	0.31	0.00	0.12	0.00	0.55	1028.32
N +0.00	1886.36	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.21	396.33
A. Total	3772.72								**Peso a cimentación**	**0.46**	**1733.74**

4.8.2 Distribución de Cargas Sísmicas

CALIF.ESTRUC. IRREGULAR

%AJUSTE V= 0.9

PISO	h (m)	h ACUM.	h^k	w (t)	wh^k	Cv (%)	Fx (t)	M (t.m)
N +7.20	3.50	7.20	7.2	309.09	2225.43	0.58	81.56	179.02
N +3.70	3.70	3.70	3.7	1,028.32	3804.77	1.00	139.44	306.07
N +0.00	0.00	0.0	0.0	396.33	0.00	0.00	0.00	0.00
				1424.65	3804.77	1.00	139.44	306.07

Vd_{x-x}	64.10
Vd_{y-y}	79.05

T= 0.01
W= 1424.65 t V= 139.4 t
k= 1.00 Sa= 0.10

AJUSTE	%	g
SENTIDO X	1.96	19.21
SENTIDO Y	1.59	15.57

4.9 DERIVAS ADMISIBLES DE UMBRAL DE DAÑO

DERIVAS UMBRAL DE DAÑO								
NUDO		δx (cm)	δy (cm)	Δx (cm)	Δy (cm)	Δ (cm)	$\Delta_{admisible}$ (cm)	%
COMB 1 MAX								
PISO2	99	0.0000	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	0.0000	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	0.0000	0.0000	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	0.0000	0.0000	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0001	-0.0004	0.00	0.00	0.00	0.70	0.00
PISO2	7	0.0000	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0002	-0.0004	0.00	0.00	0.00	0.70	0.00
PISO2	55	0.0000	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0001	-0.0002	0.00	0.00	0.00	0.70	0.00
PISO2	11	0.0000	0.0000	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0002	-0.0002	0.00	0.00	0.00	0.70	0.00
PISO2	57	0.0000	0.0000	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 2 MAX								
PISO2	99	0.0010	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	0.0011	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	0.0010	0.0002	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	0.0011	0.0002	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0026	0.0003	0.00	0.00	0.00	0.70	0.00
PISO2	7	0.0011	0.0000	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0029	0.0003	0.00	0.00	0.00	0.70	0.00
PISO2	55	0.0011	0.0000	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0026	0.0004	0.00	0.00	0.00	0.70	0.00
PISO2	11	0.0011	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0029	0.0004	0.00	0.00	0.00	0.70	0.00
PISO2	57	0.0011	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 3 MIN								
PISO2	99	-0.0011	-0.0004	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	-0.0010	-0.0004	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	-0.0011	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	-0.0010	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	-0.0024	-0.0009	0.00	0.00	0.00	0.70	0.00
PISO2	7	-0.0011	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	-0.0025	-0.0009	0.00	0.00	0.00	0.70	0.00
PISO2	55	-0.0010	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	-0.0024	-0.0007	0.00	0.00	0.00	0.70	0.00
PISO2	11	-0.0011	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	-0.0025	-0.0007	0.00	0.00	0.00	0.70	0.00
PISO2	57	-0.0010	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 4 MAX								
PISO2	99	0.0000	0.0011	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	0.0001	0.0011	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	0.0000	0.0009	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	0.0001	0.0009	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0002	0.0023	0.00	0.00	0.00	0.70	0.00
PISO2	7	0.0000	0.0010	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0003	0.0023	0.00	0.00	0.00	0.70	0.00
PISO2	55	0.0001	0.0010	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0002	0.0024	0.00	0.00	0.00	0.70	0.00
PISO2	11	0.0000	0.0010	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0003	0.0024	0.00	0.00	0.00	0.70	0.00
PISO2	57	0.0001	0.0010	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 5 MIN								
PISO2	99	-0.0001	-0.0013	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	0.0000	-0.0013	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	-0.0001	-0.0010	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	0.0000	-0.0010	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0000	-0.0029	0.00	0.00	0.00	0.70	0.00
PISO2	7	0.0000	-0.0012	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0000	-0.0029	0.00	0.00	0.00	0.70	0.00
PISO2	55	0.0000	-0.0012	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0000	-0.0027	0.00	0.00	0.00	0.70	0.00
PISO2	11	0.0000	-0.0010	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0000	-0.0027	0.00	0.00	0.00	0.70	0.00
PISO2	57	0.0000	-0.0010	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 6 MAX								
PISO2	99	0.0010	0.0002	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	0.0011	0.0002	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	0.0010	0.0002	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	0.0011	0.0002	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0026	0.0004	0.00	0.00	0.00	0.70	0.00
PISO2	7	0.0010	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0028	0.0004	0.00	0.00	0.00	0.70	0.00
PISO2	55	0.0011	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0026	0.0005	0.00	0.00	0.00	0.70	0.00
PISO2	11	0.0010	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0028	0.0005	0.00	0.00	0.00	0.70	0.00
PISO2	57	0.0011	0.0001	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 7 MIN								
PISO2	99	-0.0011	-0.0003	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	-0.0011	-0.0003	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	-0.0011	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	-0.0011	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	-0.0025	-0.0007	0.00	0.00	0.00	0.70	0.00
PISO2	7	-0.0011	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	-0.0026	-0.0007	0.00	0.00	0.00	0.70	0.00
PISO2	55	-0.0011	-0.0002	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	-0.0025	-0.0006	0.00	0.00	0.00	0.70	0.00
PISO2	11	-0.0011	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	-0.0026	-0.0006	0.00	0.00	0.00	0.70	0.00
PISO2	57	-0.0011	-0.0001	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 8 MAX								
PISO2	99	0.0000	0.0011	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	0.0001	0.0011	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	0.0000	0.0009	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	0.0001	0.0009	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	0.0001	0.0025	0.00	0.00	0.00	0.70	0.00
PISO2	7	0.0000	0.0011	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	0.0002	0.0025	0.00	0.00	0.00	0.70	0.00
PISO2	55	0.0001	0.0011	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	0.0001	0.0025	0.00	0.00	0.00	0.70	0.00
PISO2	11	0.0000	0.0010	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	0.0002	0.0025	0.00	0.00	0.00	0.70	0.00
PISO2	57	0.0001	0.0010	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

COMB 9 MIN								
PISO2	99	-0.0001	-0.0013	0.00	0.00	0.00	0.74	0.00
BASE	99	0.0000	0.0000					
PISO2	78	-0.0001	-0.0013	0.00	0.00	0.00	0.74	0.00
BASE	78	0.0000	0.0000					
PISO2	174	-0.0001	-0.0009	0.00	0.00	0.00	0.74	0.00
BASE	174	0.0000	0.0000					
PISO2	172	-0.0001	-0.0009	0.00	0.00	0.00	0.74	0.00
BASE	172	0.0000	0.0000					
CUBIERTA	7	-0.0001	-0.0028	0.00	0.00	0.00	0.70	0.00
PISO2	7	-0.0001	-0.0012	0.00	0.00	0.00	0.74	0.00
BASE	7	0.0000	0.0000					
CUBIERTA	55	-0.0001	-0.0028	0.00	0.00	0.00	0.70	0.00
PISO2	55	-0.0001	-0.0012	0.00	0.00	0.00	0.74	0.00
BASE	55	0.0000	0.0000					
CUBIERTA	11	-0.0001	-0.0026	0.00	0.00	0.00	0.70	0.00
PISO2	11	-0.0001	-0.0010	0.00	0.00	0.00	0.74	0.00
BASE	11	0.0000	0.0000					
CUBIERTA	57	-0.0001	-0.0026	0.00	0.00	0.00	0.70	0.00
PISO2	57	-0.0001	-0.0010	0.00	0.00	0.00	0.74	0.00
BASE	57	0.0000	0.0000					

4.10 ANALISIS ESTRUCUTRAL

4.10.1 Combinaciones de carga

ANALISIS ESTRUCTURA EDIFICIO

A. COMBINACIONES DE CARGA PARA DERIVA

Combinaciones de Carga:

CHEQUEO DE LA DERIVA

						$Fy \circ Fy$	
1.	1.20 C.M.	+	1.60 C.V.				
2.	1.20 C.M.	+	1.00 C.V.	+	1.00	S.X.	
3.	1.20 C.M.	+	1.00 C.V.	-	1.00	S.X.	
4.	1.20 C.M.	+	1.00 C.V.	+	1.00	S.Y.	
5.	1.20 C.M.	+	1.00 C.V.	-	1.00	S.Y.	
6.	0.90 C.M.			+	1.00	S.X.	
7.	0.90 C.M.			-	1.00	S.X.	
8.	0.90 C.M.			+	1.00	S.Y.	
9.	0.90 C.M.			-	1.00	S.Y.	

W	=	Carga de Viento			
G	=	Carga de Granizo			
C.M.	=	Carga Muerta			
C.V.	=	Carga Viva			
S.X.	=	Fuerzas Sismicas Elásticas en X			
S.Y.	=	Fuerzas Sismicas Elásticas en Y			
R_o	=	***1.0***			
ϕ_p	=	0.90	Muros de mampostería no reforzada		
ϕ_a	=	1.00			
ϕ Rx	=	1.00			
ϕ Ry	=	1.00			
RX	=	$R_o \Phi_a \Phi_p \Phi_r$	=	1.00	Según NSR-10
RY	=	$R_o \Phi_a \Phi_p \Phi_r$	=	1.00	A.10.4.2-4

B. COMBINACIONES DE DISEÑO DE VIGAS Y COLUMNAS PARA EL MÉTODO DE ESFUERZOS DE TRABAJO - ESTADO LÍMITE DE SERVICIO

					$\frac{1}{R}F_xI$ ó $\frac{0.3}{R}F_xI$		$\frac{1}{R}F_yI$ ó $\frac{0.3}{R}F_yI$		
					S.X.		S.Y.		
1.	1.00 C.M.								
2.	1.00 C.M.	+	1.00 C.V.						
3.	1.00 C.M.			+ 1.00 G					
4.	1.00 C.M.	+	0.75 C.V.						
5.	1.00 C.M.							+	1.00 W
6.	1.00 C.M.							-	1.00 W
7.	1.00 C.M.				+	0.88	+	0.26	
8.	1.00 C.M.				+	0.88	-	0.26	
9.	1.00 C.M.				-	0.88	+	0.26	
10.	1.00 C.M.				-	0.88	-	0.26	
11.	1.00 C.M.				+	0.26	+	0.88	
12.	1.00 C.M.				+	0.26	-	0.88	
13.	1.00 C.M.				-	0.26	+	0.88	
14.	1.00 C.M.				-	0.26	-	0.88	
15.	1.00 C.M.	+	0.75 C.V.					+	0.75 W
16.	1.00 C.M.	+	0.75 C.V.					-	0.75 W
17.	1.00 C.M.	+	0.75 C.V.		+	0.66	+	0.20	
18.	1.00 C.M.	+	0.75 C.V.		+	0.66	-	0.20	
19.	1.00 C.M.	+	0.75 C.V.		-	0.66	+	0.20	
20.	1.00 C.M.	+	0.75 C.V.		-	0.66	-	0.20	
21.	1.00 C.M.	+	0.75 C.V.		+	0.20	+	0.66	
22.	1.00 C.M.	+	0.75 C.V.		+	0.20	-	0.66	
23.	1.00 C.M.	+	0.75 C.V.		-	0.20	+	0.66	
24.	1.00 C.M.	+	0.75 C.V.		-	0.20	-	0.66	
25.	0.60 C.M.							+	1.00 W
26.	0.60 C.M.							-	1.00 W
27.	0.60 C.M.				+	0.88	+	0.26	
28.	0.60 C.M.				+	0.88	-	0.26	
29.	0.60 C.M.				-	0.88	+	0.26	
30.	0.60 C.M.				-	0.88	-	0.26	
31.	0.60 C.M.				+	0.26	+	0.88	
32.	0.60 C.M.				+	0.26	-	0.88	
33.	0.60 C.M.				-	0.26	+	0.88	
34.	0.60 C.M.				-	0.26	-	0.88	

Sismo X=		1.00
Sismo Y=		1.00
I=		1.25
Nota:	Se tiene en cuenta la irregularidad para el efecto de la torsión.	

Observaciones:

Para las combinaciones se tiene en cuenta el coeficiente de importancia correspondiente al tipo III con un valor de 1.25

E. COMBINACIONES DE DISEÑO DE CIMENTACION

1.	1.00	C.M.	+ 1.00	C.V.				
2.	1.00	C.M.			+	0.88	S.X.	
3.	1.00	C.M.			+	0.88	S.Y.	
4.	1.00	C.M.	+ 0.75	C.V.	+	0.66	S.X.	
5.	1.00	C.M.	+ 0.75	C.V.	+	0.66	S.Y.	
6.	0.60	C.M.			+	0.88	S.X.	
7.	0.60	C.M.			+	0.88	S.Y.	

C.M. = Carga Muerta
C.V. = Carga Viva
S.X. = Fuerzas Sismicas Elásticas en X
S.Y. = Fuerzas Sismicas Elásticas en Y

R_o = ***1.0***

ϕ_p = 0.90 Muros de mampostería no reforzada

ϕ_a = 1.00

ϕ Rx = 1.00

ϕ Ry = 1.00

RX = $R_o\ \Phi_a\ \Phi_p\ \Phi_r$ = 1.00 Según NSR-10

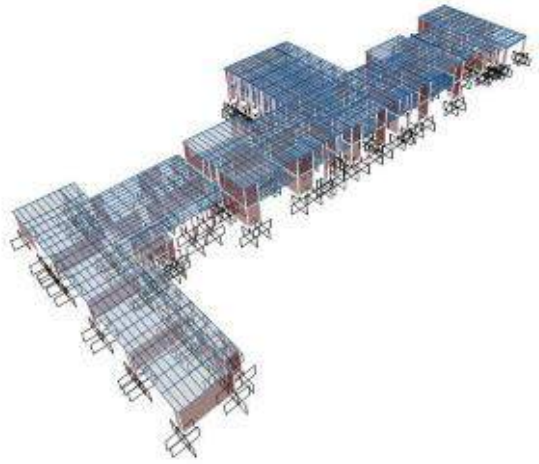
RY = $R_o\ \Phi_a\ \Phi_p\ \Phi_r$ = 1.00 A.10.4.2-4

Sismo X= 1.00
Sismo Y= 1.00
I= 1.25

COMBINACIONES	
CIM1	CM+CV
CIM2	CM+0.7SX/R
CIM3	CM+0.7SY/R
CIM4	CM+0.75CV+0.525SX/R
CIM5	CM+0.75CV+0.525SY/R
CIM6	0.60CM+0.7SX/R
CIM7	0.60CM+0.7SY/R

4.10.2 Datos de entrada

ETABS® 2015
Integrated Building Design Software



DATOS DE ENTRADA I

Model File: 438 - AeroSA - Terminal, Revision 0
1/06/2017

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1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

1.1 Story Data

Table 1.1 - Story Data

Name	Height m	Elevation m	Master Story	Similar To	Splice Story
CUBIERTA	3.5	7.2	Yes	None	No
PISO2	3.7	3.7	No	None	No
Base	0	0	No	None	No

1.2 Grid Data

Table 1.2 - Grid Systems

Name	Type	Story Range	X Origin m	Y Origin m	Rotation deg	Bubble Size m	Color
G1	Cartesian	Default	0	0	0	1.25	ffa0a0a0

Table 1.3 - Grid Lines

Grid System	Grid Direction	Grid ID	Visible	Bubble Location	Ordinate m
G1	X	A	Yes	End	0
G1	X	B	Yes	End	6.66
G1	X	C	Yes	End	8.71
G1	X	D	Yes	End	12.6
G1	X	E	Yes	End	16.07
G1	X	F	Yes	End	23.03
G1	X	G	Yes	End	33
G1	X	H	Yes	End	40.41
G1	X	I	Yes	End	43.54
G1	X	I.1	No	End	47.53
G1	X	J	Yes	End	51.52
G1	X	K	Yes	End	54.82
G1	X	M	Yes	End	62.32
G1	X	N	Yes	End	71.94
G1	X	O	Yes	End	76.94
G1	X	P	Yes	End	82.37
G1	X	Q	Yes	End	86.33
G1	X	R	Yes	End	88.33
G1	X	S	Yes	End	95.17
G1	Y	12	Yes	Start	0
G1	Y	11	Yes	Start	9.76
G1	Y	10	Yes	Start	15.67
G1	Y	9	Yes	Start	20.91
G1	Y	8	Yes	Start	25.13
G1	Y	7	Yes	Start	27.09

Table 1.3 - Grid Lines (continued)

Grid System	Grid Direction	Grid ID	Visible	Bubble Location	Ordinate m
G1	Y	6	Yes	Start	29.25
G1	Y	5	Yes	Start	30.7
G1	Y	4	Yes	Start	33.79
G1	Y	P3	No	Start	35.04
G1	Y	3	Yes	Start	36.02
G1	Y	P2	No	Start	39.13
G1	Y	2	Yes	Start	40.95
G1	Y	P1	No	Start	43.19
G1	Y	1	Yes	Start	47.36

1.3 Mass

Table 1.4 - Mass Source

Name	Include Elements	Include Added Mass	Include Loads	Include Lateral	Include Vertical	Lump at Stories	IsDefault	Load Pattern	Multiplier
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	PP	1
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	CA	1

Table 1.5 - Centers of Mass and Rigidity

Story	Diaphragm	Mass X tonf-s²/m	Mass Y tonf-s²/m	XCM m	YCM m	Cumulative X tonf-s²/m	Cumulative Y tonf-s²/m	XCCM m	YCCM m	XCR m	YCR m
PISO2	D1	15.97444	15.97444	43.6302	31.2447	15.97444	15.97444	43.6302	31.2447		
CUBIERTA	D2	5.93491	5.93491	47.1626	33.0566	5.93491	5.93491	47.1626	33.0566		

Table 1.6 - Mass Summary by Diaphragm

Story	Diaphragm	Mass X tonf-s²/m	Mass Y tonf-s²/m	Mass Moment of Inertia tonf-m-s²	X Mass Center m	Y Mass Center m
CUBIERTA	D2	5.93491	5.93491	994.6742	47.1626	33.0566
PISO2	D1	15.97444	15.97444	9510.5471	43.6302	31.2447

Table 1.7 - Mass Summary by Story

Story	UX tonf-s²/m	UY tonf-s²/m	UZ tonf-s²/m
CUBIERTA	50.53664	50.53664	0
PISO2	115.69664	115.69664	0
Base	13.19465	13.19465	0

2 Properties

This chapter provides property information for materials, frame sections, shell sections, and links.

2.1 Materials

Table 2.1 - Material Properties - Summary

Name	Type	E tonf/m²	v	Unit Weight tonf/m³	Design Strengths
A36	Steel	20389020	0.3	7.849	Fy=25310.51 tonf/m², Fu=40776.04 tonf/m²
A572Gr50	Steel	20389020	0.3	7.85	Fy=35153.46 tonf/m², Fu=45699.53 tonf/m²
A615Gr60	Rebar	20389020	0	7.85	Fy=42184.15 tonf/m², Fu=63276.27 tonf/m²
A992Fy50	Steel	20389020	0.3	7.849	Fy=35153.46 tonf/m², Fu=45699.53 tonf/m²
M-ES1	Other	1560166	0.3	0.7	
Mamp	Other	6000000	0.25	4.4236	
SNN MET	Steel	20389020	0.3	0	Fy=35153.46 tonf/m², Fu=45699.53 tonf/m²

2.2 Frame Sections

Table 2.2 - Frame Sections - Summary

Name	Material	Shape
C30X50	Mamp	Concrete Rectangular
C50X50	Mamp	Concrete Rectangular
Correa	SNN MET	Steel Channel
CRUJIA 10	SNN MET	Steel I/Wide Flange
CRUJIA 2	SNN MET	Steel I/Wide Flange
CRUJIA 3	SNN MET	Steel I/Wide Flange
CRUJIA 4	SNN MET	Steel I/Wide Flange
CRUJIA 5	SNN MET	Steel I/Wide Flange
CRUJIA 6	SNN MET	Steel I/Wide Flange
CRUJIA 7	SNN MET	Steel I/Wide Flange
CRUJIA 8	SNN MET	Steel I/Wide Flange
CRUJIA 9	SNN MET	Steel I/Wide Flange
CRUJIA1	SNN MET	Steel I/Wide Flange
ESC	SNN MET	Steel I/Wide Flange
IPE200	A992Fy50	Steel I/Wide Flange
PARAL	A572Gr50	Steel Pipe
S12X6	M-ES1	Concrete Rectangular
S20X20	M-ES1	Concrete Rectangular
V-A	A36	SD Section
V4X20	M-ES1	Concrete Rectangular

2.3 Shell Sections

Table 2.3 - Shell Sections - Summary

Name	Design Type	Element Type	Material	Total Thickness m
CUB1	Slab	Membrane	SNN MET	0.0001
CUB10	Slab	Membrane	SNN MET	0.0001
CUB2	Slab	Membrane	SNN MET	0.0001
CUB3	Slab	Membrane	SNN MET	0.0001
CUB4	Slab	Membrane	SNN MET	0.0001
CUB5	Slab	Membrane	SNN MET	0.0001
CUB6	Slab	Membrane	SNN MET	0.0001
CUB7	Slab	Membrane	SNN MET	0.0001
CUB8	Slab	Membrane	SNN MET	0.0001
CUB9	Slab	Membrane	SNN MET	0.0001
CUBES	Slab	Membrane	SNN MET	0.0001
ENT	Slab	Membrane	SNN MET	0.0001
HALL	Slab	Membrane	SNN MET	0.0001
M30	Wall	Shell-Thin	Mamp	0.1279

3 Assignments

This chapter provides a listing of the assignments applied to the model.

3.1 Joint Assignments

Table 3.1 - Joint Assignments - Restraints

Tower	Story	Label	Unique Name	UX	UY	UZ	RX	RY	RZ
	Base	1	1	Yes	Yes	Yes	Yes	Yes	Yes
	Base	2	2	Yes	Yes	Yes	Yes	Yes	Yes
	Base	3	3	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4	4	Yes	Yes	Yes	Yes	Yes	Yes
	Base	5	5	Yes	Yes	Yes	Yes	Yes	Yes
	Base	6	6	Yes	Yes	Yes	Yes	Yes	Yes
	Base	7	7	Yes	Yes	Yes	Yes	Yes	Yes
	Base	8	8	Yes	Yes	Yes	Yes	Yes	Yes
	Base	9	9	Yes	Yes	Yes	Yes	Yes	Yes
	Base	10	10	Yes	Yes	Yes	Yes	Yes	Yes
	Base	11	11	Yes	Yes	Yes	Yes	Yes	Yes
	Base	12	12	Yes	Yes	Yes	Yes	Yes	Yes
	Base	13	13	Yes	Yes	Yes	Yes	Yes	Yes
	Base	14	14	Yes	Yes	Yes	Yes	Yes	Yes
	Base	17	15	Yes	Yes	Yes	Yes	Yes	Yes
	Base	18	16	Yes	Yes	Yes	Yes	Yes	Yes
	Base	19	17	Yes	Yes	Yes	Yes	Yes	Yes
	Base	20	18	Yes	Yes	Yes	Yes	Yes	Yes
	Base	31	23	Yes	Yes	Yes	Yes	Yes	Yes
	Base	40	19	Yes	Yes	Yes	Yes	Yes	Yes
	Base	41	20	Yes	Yes	Yes	Yes	Yes	Yes
	Base	42	245	Yes	Yes	Yes	Yes	Yes	Yes
	Base	43	21	Yes	Yes	Yes	Yes	Yes	Yes
	Base	44	246	Yes	Yes	Yes	Yes	Yes	Yes
	Base	45	22	Yes	Yes	Yes	Yes	Yes	Yes
	Base	55	24	Yes	Yes	Yes	Yes	Yes	Yes
	Base	56	25	Yes	Yes	Yes	Yes	Yes	Yes
	Base	57	26	Yes	Yes	Yes	Yes	Yes	Yes
	Base	61	31	Yes	Yes	Yes	Yes	Yes	Yes
	Base	62	32	Yes	Yes	Yes	Yes	Yes	Yes
	Base	63	33	Yes	Yes	Yes	Yes	Yes	Yes
	Base	64	34	Yes	Yes	Yes	Yes	Yes	Yes
	Base	65	35	Yes	Yes	Yes	Yes	Yes	Yes
	Base	66	36	Yes	Yes	Yes	Yes	Yes	Yes
	Base	69	37	Yes	Yes	Yes	Yes	Yes	Yes
	Base	70	38	Yes	Yes	Yes	Yes	Yes	Yes
	Base	84	39	Yes	Yes	Yes	Yes	Yes	Yes
	Base	85	40	Yes	Yes	Yes	Yes	Yes	Yes
	Base	87	42	Yes	Yes	Yes	Yes	Yes	Yes
	Base	88	41	Yes	Yes	Yes	Yes	Yes	Yes
	Base	93	43	Yes	Yes	Yes	Yes	Yes	Yes

Table 3.1 - Joint Assignments - Restraints (continued)

Tower	Story	Label	Unique Name	UX	UY	UZ	RX	RY	RZ
	Base	94	44	Yes	Yes	Yes	Yes	Yes	Yes
	Base	96	45	Yes	Yes	Yes	Yes	Yes	Yes
	Base	105	46	Yes	Yes	Yes	Yes	Yes	Yes
	Base	106	250	Yes	Yes	Yes	Yes	Yes	Yes
	Base	107	47	Yes	Yes	Yes	Yes	Yes	Yes
	Base	110	48	Yes	Yes	Yes	Yes	Yes	Yes
	Base	113	49	Yes	Yes	Yes	Yes	Yes	Yes
	Base	114	50	Yes	Yes	Yes	Yes	Yes	Yes
	Base	116	51	Yes	Yes	Yes	Yes	Yes	Yes
	Base	117	52	Yes	Yes	Yes	Yes	Yes	Yes
	Base	118	252	Yes	Yes	Yes	Yes	Yes	Yes
	Base	127	56	Yes	Yes	Yes	Yes	Yes	Yes
	Base	128	55	Yes	Yes	Yes	Yes	Yes	Yes
	Base	129	54	Yes	Yes	Yes	Yes	Yes	Yes
	Base	130	27	Yes	Yes	Yes	Yes	Yes	Yes
	Base	131	26	Yes	Yes	Yes	Yes	Yes	Yes
	Base	132	53	Yes	Yes	Yes	Yes	Yes	Yes
	Base	134	57	Yes	Yes	Yes	Yes	Yes	Yes
	Base	137	58	Yes	Yes	Yes	Yes	Yes	Yes
	Base	138	59	Yes	Yes	Yes	Yes	Yes	Yes
	Base	142	60	Yes	Yes	Yes	Yes	Yes	Yes
	Base	144	61	Yes	Yes	Yes	Yes	Yes	Yes
	Base	23	63	Yes	Yes	Yes	Yes	Yes	Yes
	Base	24	65	Yes	Yes	Yes	Yes	Yes	Yes
	Base	25	62	Yes	Yes	Yes	Yes	Yes	Yes
	Base	26	64	Yes	Yes	Yes	Yes	Yes	Yes
	Base	27	66	Yes	Yes	Yes	Yes	Yes	Yes
	Base	29	67	Yes	Yes	Yes	Yes	Yes	Yes
	Base	15	29	Yes	Yes	Yes	Yes	Yes	Yes
	Base	16	30	Yes	Yes	Yes	Yes	Yes	Yes
	Base	28	68	Yes	Yes	Yes	Yes	Yes	Yes
	Base	30	69	Yes	Yes	Yes	Yes	Yes	Yes
	Base	34	72	Yes	Yes	Yes	Yes	Yes	Yes
	Base	35	70	Yes	Yes	Yes	Yes	Yes	Yes
	Base	36	71	Yes	Yes	Yes	Yes	Yes	Yes
	Base	32	73	Yes	Yes	Yes	Yes	Yes	Yes
	Base	33	254	Yes	Yes	Yes	Yes	Yes	Yes
	Base	21	74	Yes	Yes	Yes	Yes	Yes	Yes
	Base	22	75	Yes	Yes	Yes	Yes	Yes	Yes
	Base	46	76	Yes	Yes	Yes	Yes	Yes	Yes
	Base	48	77	Yes	Yes	Yes	Yes	Yes	Yes
	Base	50	79	Yes	Yes	Yes	Yes	Yes	Yes
	Base	51	80	Yes	Yes	Yes	Yes	Yes	Yes
	Base	52	82	Yes	Yes	Yes	Yes	Yes	Yes
	Base	53	83	Yes	Yes	Yes	Yes	Yes	Yes

Table 3.1 - Joint Assignments - Restraints (continued)

Tower	Story	Label	Unique Name	UX	UY	UZ	RX	RY	RZ
	Base	54	85	Yes	Yes	Yes	Yes	Yes	Yes
	Base	55	86	Yes	Yes	Yes	Yes	Yes	Yes
	Base	37	87	Yes	Yes	Yes	Yes	Yes	Yes
	Base	38	88	Yes	Yes	Yes	Yes	Yes	Yes
	Base	39	89	Yes	Yes	Yes	Yes	Yes	Yes
	Base	59	90	Yes	Yes	Yes	Yes	Yes	Yes
	Base	60	91	Yes	Yes	Yes	Yes	Yes	Yes
	Base	67	92	Yes	Yes	Yes	Yes	Yes	Yes
	Base	72	94	Yes	Yes	Yes	Yes	Yes	Yes
	Base	73	93	Yes	Yes	Yes	Yes	Yes	Yes
	Base	76	95	Yes	Yes	Yes	Yes	Yes	Yes
	Base	79	96	Yes	Yes	Yes	Yes	Yes	Yes
	Base	80	97	Yes	Yes	Yes	Yes	Yes	Yes
	Base	83	98	Yes	Yes	Yes	Yes	Yes	Yes
	Base	91	99	Yes	Yes	Yes	Yes	Yes	Yes
	Base	92	100	Yes	Yes	Yes	Yes	Yes	Yes
	Base	95	101	Yes	Yes	Yes	Yes	Yes	Yes
	Base	96	102	Yes	Yes	Yes	Yes	Yes	Yes
	Base	97	103	Yes	Yes	Yes	Yes	Yes	Yes
	Base	99	104	Yes	Yes	Yes	Yes	Yes	Yes
	Base	103	105	Yes	Yes	Yes	Yes	Yes	Yes
	Base	104	106	Yes	Yes	Yes	Yes	Yes	Yes
	Base	106	107	Yes	Yes	Yes	Yes	Yes	Yes
	Base	122	111	Yes	Yes	Yes	Yes	Yes	Yes
	Base	123	110	Yes	Yes	Yes	Yes	Yes	Yes
	Base	124	109	Yes	Yes	Yes	Yes	Yes	Yes
	Base	125	108	Yes	Yes	Yes	Yes	Yes	Yes
	Base	133	112	Yes	Yes	Yes	Yes	Yes	Yes
	Base	71	113	Yes	Yes	Yes	Yes	Yes	Yes
	Base	75	114	Yes	Yes	Yes	Yes	Yes	Yes
	Base	77	115	Yes	Yes	Yes	Yes	Yes	Yes
	Base	78	116	Yes	Yes	Yes	Yes	Yes	Yes
	Base	81	117	Yes	Yes	Yes	Yes	Yes	Yes
	Base	82	118	Yes	Yes	Yes	Yes	Yes	Yes
	Base	90	141	Yes	Yes	Yes	Yes	Yes	Yes
	Base	100	140	Yes	Yes	Yes	Yes	Yes	Yes
	Base	101	119	Yes	Yes	Yes	Yes	Yes	Yes
	Base	102	120	Yes	Yes	Yes	Yes	Yes	Yes
	Base	109	121	Yes	Yes	Yes	Yes	Yes	Yes
	Base	111	122	Yes	Yes	Yes	Yes	Yes	Yes
	Base	120	123	Yes	Yes	Yes	Yes	Yes	Yes
	Base	121	124	Yes	Yes	Yes	Yes	Yes	Yes
	Base	135	126	Yes	Yes	Yes	Yes	Yes	Yes
	Base	136	125	Yes	Yes	Yes	Yes	Yes	Yes
	Base	141	130	Yes	Yes	Yes	Yes	Yes	Yes

Table 3.1 - Joint Assignments - Restraints (continued)

Tower	Story	Label	Unique Name	UX	UY	UZ	RX	RY	RZ
	Base	143	129	Yes	Yes	Yes	Yes	Yes	Yes
	Base	147	131	Yes	Yes	Yes	Yes	Yes	Yes
	Base	148	139	Yes	Yes	Yes	Yes	Yes	Yes
	Base	150	132	Yes	Yes	Yes	Yes	Yes	Yes
	Base	151	133	Yes	Yes	Yes	Yes	Yes	Yes
	Base	152	134	Yes	Yes	Yes	Yes	Yes	Yes
	Base	153	135	Yes	Yes	Yes	Yes	Yes	Yes
	Base	155	136	Yes	Yes	Yes	Yes	Yes	Yes
	Base	156	137	Yes	Yes	Yes	Yes	Yes	Yes
	Base	157	138	Yes	Yes	Yes	Yes	Yes	Yes
	Base	68	142	Yes	Yes	Yes	Yes	Yes	Yes
	Base	74	143	Yes	Yes	Yes	Yes	Yes	Yes
	Base	66	144	Yes	Yes	Yes	Yes	Yes	Yes
	Base	69	145	Yes	Yes	Yes	Yes	Yes	Yes
	Base	112	146	Yes	Yes	Yes	Yes	Yes	Yes
	Base	115	147	Yes	Yes	Yes	Yes	Yes	Yes
	Base	126	148	Yes	Yes	Yes	Yes	Yes	Yes
	Base	145	150	Yes	Yes	Yes	Yes	Yes	Yes
	Base	146	149	Yes	Yes	Yes	Yes	Yes	Yes
	Base	154	151	Yes	Yes	Yes	Yes	Yes	Yes
	Base	160	152	Yes	Yes	Yes	Yes	Yes	Yes
	Base	161	153	Yes	Yes	Yes	Yes	Yes	Yes
	Base	162	154	Yes	Yes	Yes	Yes	Yes	Yes
	Base	163	156	Yes	Yes	Yes	Yes	Yes	Yes
	Base	164	158	Yes	Yes	Yes	Yes	Yes	Yes
	Base	165	160	Yes	Yes	Yes	Yes	Yes	Yes
	Base	166	162	Yes	Yes	Yes	Yes	Yes	Yes
	Base	167	163	Yes	Yes	Yes	Yes	Yes	Yes
	Base	168	164	Yes	Yes	Yes	Yes	Yes	Yes
	Base	169	165	Yes	Yes	Yes	Yes	Yes	Yes
	Base	119	170	Yes	Yes	Yes	Yes	Yes	Yes
	Base	139	171	Yes	Yes	Yes	Yes	Yes	Yes
	Base	140	167	Yes	Yes	Yes	Yes	Yes	Yes
	Base	149	168	Yes	Yes	Yes	Yes	Yes	Yes
	Base	158	169	Yes	Yes	Yes	Yes	Yes	Yes
	Base	159	177	Yes	Yes	Yes	Yes	Yes	Yes
	Base	171	166	Yes	Yes	Yes	Yes	Yes	Yes
	Base	175	172	Yes	Yes	Yes	Yes	Yes	Yes
	Base	176	173	Yes	Yes	Yes	Yes	Yes	Yes
	Base	179	174	Yes	Yes	Yes	Yes	Yes	Yes
	Base	180	175	Yes	Yes	Yes	Yes	Yes	Yes
	Base	182	176	Yes	Yes	Yes	Yes	Yes	Yes
	Base	186	178	Yes	Yes	Yes	Yes	Yes	Yes
	Base	187	179	Yes	Yes	Yes	Yes	Yes	Yes
	Base	189	181	Yes	Yes	Yes	Yes	Yes	Yes

Table 3.1 - Joint Assignments - Restraints (continued)

Tower	Story	Label	Unique Name	UX	UY	UZ	RX	RY	RZ
	Base	190	182	Yes	Yes	Yes	Yes	Yes	Yes
	Base	191	542	Yes	Yes	Yes	Yes	Yes	Yes
	Base	195	183	Yes	Yes	Yes	Yes	Yes	Yes
	Base	196	184	Yes	Yes	Yes	Yes	Yes	Yes
	Base	197	185	Yes	Yes	Yes	Yes	Yes	Yes
	Base	198	186	Yes	Yes	Yes	Yes	Yes	Yes
	Base	199	187	Yes	Yes	Yes	Yes	Yes	Yes
	Base	200	189	Yes	Yes	Yes	Yes	Yes	Yes
	Base	173	191	Yes	Yes	Yes	Yes	Yes	Yes
	Base	174	192	Yes	Yes	Yes	Yes	Yes	Yes
	Base	181	193	Yes	Yes	Yes	Yes	Yes	Yes
	Base	183	194	Yes	Yes	Yes	Yes	Yes	Yes
	Base	192	195	Yes	Yes	Yes	Yes	Yes	Yes
	Base	170	196	Yes	Yes	Yes	Yes	Yes	Yes
	Base	172	202	Yes	Yes	Yes	Yes	Yes	Yes
	Base	176	197	Yes	Yes	Yes	Yes	Yes	Yes
	Base	204	201	Yes	Yes	Yes	Yes	Yes	Yes
	Base	210	205	Yes	Yes	Yes	Yes	Yes	Yes
	Base	211	207	Yes	Yes	Yes	Yes	Yes	Yes
	Base	212	206	Yes	Yes	Yes	Yes	Yes	Yes
	Base	201	248	Yes	Yes	Yes	Yes	Yes	Yes
	Base	202	249	Yes	Yes	Yes	Yes	Yes	Yes
	Base	203	243	Yes	Yes	Yes	Yes	Yes	Yes
	Base	206	244	Yes	Yes	Yes	Yes	Yes	Yes
	Base	231	253	Yes	Yes	Yes	Yes	Yes	Yes
	Base	235	251	Yes	Yes	Yes	Yes	Yes	Yes
	Base	239	247	Yes	Yes	Yes	Yes	Yes	Yes
	Base	236	255	Yes	Yes	Yes	Yes	Yes	Yes
	Base	240	256	Yes	Yes	Yes	Yes	Yes	Yes
	Base	241	257	Yes	Yes	Yes	Yes	Yes	Yes
	Base	242	258	Yes	Yes	Yes	Yes	Yes	Yes
	Base	243	259	Yes	Yes	Yes	Yes	Yes	Yes
	Base	244	260	Yes	Yes	Yes	Yes	Yes	Yes
	Base	245	261	Yes	Yes	Yes	Yes	Yes	Yes
	Base	246	262	Yes	Yes	Yes	Yes	Yes	Yes
	Base	226	1953	Yes	Yes	Yes	Yes	Yes	Yes
	Base	227	263	Yes	Yes	Yes	Yes	Yes	Yes
	Base	230	264	Yes	Yes	Yes	Yes	Yes	Yes
	Base	247	265	Yes	Yes	Yes	Yes	Yes	Yes
	Base	766	1954	Yes	Yes	Yes	Yes	Yes	Yes
	Base	767	1956	Yes	Yes	Yes	Yes	Yes	Yes
	Base	768	1957	Yes	Yes	Yes	Yes	Yes	Yes
	Base	769	1990	Yes	Yes	Yes	Yes	Yes	Yes
	Base	635	1991	Yes	Yes	Yes	Yes	Yes	Yes
	Base	411	206	Yes	Yes	Yes	Yes	Yes	Yes

Table 3.1 - Joint Assignments - Restraints (continued)

Tower	Story	Label	Unique Name	UX	UY	UZ	RX	RY	RZ
	Base	4273	544	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4274	564	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4275	1520	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4276	2077	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4277	2061	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4278	2065	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4279	2069	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4280	2094	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4281	2098	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4282	2102	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4283	2106	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4284	2110	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4285	2178	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4286	2182	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4287	2186	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4288	2190	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4289	2194	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4290	2220	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4291	2276	Yes	Yes	Yes	Yes	Yes	Yes
	Base	4292	2296	Yes	Yes	Yes	Yes	Yes	Yes

3.2 Frame Assignments

Table 3.2 - Frame Assignments - Releases (Part 1 of 2)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	C1	2	Column	None	None	None	None	None	None			
CUBIERTA	C4	4	Column	None	None	None	None	None	None			
CUBIERTA	C9	10	Column	None	None	None	None	None	None			
CUBIERTA	C10	12	Column	None	None	None	None	None	None			
CUBIERTA	C11	14	Column	None	None	None	None	None	None			
CUBIERTA	C12	16	Column	None	None	None	None	None	None			
CUBIERTA	C13	18	Column	None	None	None	None	None	None			
CUBIERTA	C14	20	Column	None	None	None	None	None	None			
CUBIERTA	C15	22	Column	None	None	None	None	None	None			
CUBIERTA	C16	24	Column	None	None	None	None	None	None			
CUBIERTA	C32	6	Column	None	None	None	None	None	None			
CUBIERTA	C33	8	Column	None	None	None	None	None	None			
PISO2	C1	1	Column	None	None	None	None	None	None			
PISO2	C4	3	Column	None	None	None	None	None	None			
PISO2	C9	9	Column	None	None	None	None	None	None			
PISO2	C10	11	Column	None	None	None	None	None	None			
PISO2	C11	13	Column	None	None	None	None	None	None			
PISO2	C12	15	Column	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	C13	17	Column	None	None	None	None	None	None			
PISO2	C14	19	Column	None	None	None	None	None	None			
PISO2	C15	21	Column	None	None	None	None	None	None			
PISO2	C16	23	Column	None	None	None	None	None	None			
PISO2	C3	25	Column	None	None	None	None	None	None			
PISO2	C5	26	Column	None	None	None	None	None	None			
PISO2	C6	27	Column	None	None	None	None	None	None			
PISO2	C17	28	Column	None	None	None	None	None	None			
PISO2	C19	29	Column	None	None	None	None	None	None			
PISO2	C20	30	Column	None	None	None	None	None	None			
PISO2	C21	31	Column	None	None	None	None	None	None			
PISO2	C22	32	Column	None	None	None	None	None	None			
PISO2	C18	33	Column	None	None	None	None	None	None			
PISO2	C23	34	Column	None	None	None	None	None	None			
PISO2	C24	35	Column	None	None	None	None	None	None			
PISO2	C25	36	Column	None	None	None	None	None	None			
PISO2	C29	53	Column	None	None	None	End J	End J	End J			
PISO2	C30	55	Column	None	None	None	End J	End J	End J			
PISO2	C31	57	Column	None	None	None	End J	End J	End J			
PISO2	C32	5	Column	None	None	None	None	None	None			
PISO2	C33	7	Column	None	None	None	None	None	None			
PISO2	C8	73	Column	None	None	None	End J	End J	End J			
CUBIERTA	B1	1239	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B2	1242	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B3	1245	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B4	1248	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B15	1238	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B16	1241	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B17	1244	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B18	1247	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B19	1240	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B20	1243	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B21	1246	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B22	1249	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B26	720	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B40	638	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B456	611	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B464	614	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B157	652	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B156	653	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B175	654	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B179	655	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B161	656	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B165	644	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B187	645	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B192	646	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B209	647	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B320	648	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B497	657	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B498	658	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B499	659	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B500	660	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B501	661	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B502	662	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B522	663	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B523	664	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B524	665	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B525	666	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B526	667	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B535	669	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B539	673	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B543	677	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B547	681	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B551	685	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B555	689	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B576	693	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B561	694	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B566	695	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B635	696	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B636	697	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B637	698	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B666	699	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B667	700	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B668	701	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B667	702	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B699	703	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B700	704	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B704	705	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B705	706	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B706	707	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B726	708	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B727	709	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B728	710	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B729	711	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B740	712	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B741	713	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B742	714	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B745	716	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B105	721	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B837	727	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B838	726	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B839	729	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B840	730	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B841	731	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B864	724	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B869	732	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B870	733	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B871	734	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B879	742	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1034	769	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1035	773	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1040	626	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1041	625	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1042	630	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1043	770	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1044	774	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1049	627	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1050	629	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1051	631	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1052	763	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1053	759	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1057	613	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1058	619	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1060	636	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1070	764	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1071	790	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1075	614	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1076	620	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1078	635	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1079	765	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1080	791	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1084	615	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1085	621	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1087	634	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1088	766	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1089	792	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1093	616	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1094	622	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1096	633	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1097	767	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1098	793	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1102	617	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B1103	623	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1104	632	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1105	766	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1106	794	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1110	618	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1121	772	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1122	776	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1126	625	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B62	637	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B156	646	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B462	645	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B702	644	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B707	643	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B533	642	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B534	641	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B535	640	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B536	647	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B574	648	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B575	649	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B576	650	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B577	651	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B578	652	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B550	653	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B150	654	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1219	670	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1220	675	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1221	690	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1222	695	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1223	905	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1224	671	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1225	676	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1226	691	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1227	696	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1228	906	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1229	672	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1230	677	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1231	692	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1232	697	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1233	907	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1234	673	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1235	678	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1236	693	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1237	698	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1238	908	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B1244	655	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1245	915	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1246	925	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1247	935	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1248	945	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1249	656	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1250	916	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1251	926	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1252	936	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1253	946	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1254	657	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1255	917	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1256	927	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1257	937	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1258	947	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1264	658	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1265	918	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1266	928	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1267	938	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1268	948	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1269	659	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1270	919	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1271	929	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1272	939	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1273	949	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1274	660	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1275	920	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1276	930	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1277	940	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1278	950	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1289	661	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1290	921	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1291	931	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1292	941	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1293	951	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1294	662	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1295	922	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1296	932	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1297	942	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1298	952	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1299	663	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1300	923	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1301	933	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1302	943	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B1303	953	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1304	664	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1305	924	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1306	934	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1307	944	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1308	954	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1309	665	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1310	660	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1311	655	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1312	900	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1313	910	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1314	666	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1315	661	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1316	656	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1317	901	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1318	911	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1319	667	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1320	662	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1321	657	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1322	902	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1323	912	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1324	668	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1325	663	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1326	658	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1327	903	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1328	913	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1329	669	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1330	664	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1331	659	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1332	904	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1333	914	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1152	1046	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1153	1047	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1154	1048	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1155	1049	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1156	1050	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1157	1051	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1158	1052	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1159	1053	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1160	1054	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1196	974	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1199	976	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1200	975	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1201	950	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B1202	963	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1203	965	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1204	969	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1205	992	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1206	995	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1207	998	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1208	1001	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1209	1004	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1210	1007	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1212	1011	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1213	1013	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1215	956	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1216	957	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1217	958	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1218	959	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1259	960	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1260	961	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1261	962	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1262	963	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1263	964	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1279	965	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1280	966	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1281	967	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1282	968	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1284	970	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1285	971	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B6	955	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B10	972	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B113	969	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B117	1009	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B7	737	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B9	738	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B11	739	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B13	740	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B14	741	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B23	743	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B24	744	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B25	745	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B30	1186	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B31	750	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B32	753	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B33	756	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B34	759	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B35	762	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B37	725	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B38	726	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B39	748	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B41	749	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B42	751	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B43	752	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B44	754	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B45	755	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B46	757	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B47	758	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B48	760	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B49	761	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B50	735	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B51	736	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B52	746	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B53	747	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B56	776	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B64	787	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B65	788	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B66	795	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B67	796	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B68	797	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B69	798	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B71	799	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B72	800	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B28	722	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B29	723	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B60	780	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B62	782	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B63	783	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B64	784	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B65	785	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B66	786	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B67	801	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B68	802	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B69	803	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B90	804	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B91	805	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B92	806	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B93	807	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B94	808	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B95	809	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B96	810	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B97	811	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B98	612	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B101	1188	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B104	1190	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B106	1192	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B111	1194	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B116	1196	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B121	1198	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B124	1200	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B125	1187	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B126	1189	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B131	1191	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B132	1193	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B135	1195	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B137	1197	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B138	1199	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B139	1201	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B147	1202	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B149	771	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B152	775	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B154	777	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B155	779	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B159	781	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B161	624	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B162	1221	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B168	1203	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B169	1204	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B170	1205	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B171	1206	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B176	1207	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B180	1208	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B59	625	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B60	626	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B73	627	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B74	628	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B75	629	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B76	630	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B77	631	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B78	632	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B79	1210	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B81	617	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B99	618	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B100	619	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B102	620	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B103	621	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B106	622	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B107	623	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B109	624	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B217	612	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B218	613	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B219	615	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B220	616	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B221	633	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B222	634	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B223	635	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B224	636	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B225	637	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B226	638	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B229	639	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B233	640	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B235	641	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B236	642	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B237	643	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B244	1211	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B245	1212	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B246	1213	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B265	649	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B262	668	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B263	670	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B265	674	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B267	678	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B269	682	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B291	686	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B293	690	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B295	715	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B296	717	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B298	650	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B299	651	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B300	671	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B301	672	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B302	675	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B303	676	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B304	679	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B305	680	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B321	683	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B322	684	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B323	687	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B324	688	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B331	691	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B332	692	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B333	1214	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B334	1215	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B335	1216	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B336	1217	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B337	1218	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B440	1219	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B441	1220	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B442	639	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B450	609	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B451	610	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B452	716	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B453	719	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B463	973	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B464	975	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B465	977	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B466	979	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B467	981	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B529	952	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B530	954	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B531	956	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B562	987	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B563	988	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B567	990	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B568	991	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B569	993	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B590	994	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B591	996	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B592	997	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B593	999	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B594	1000	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B595	1002	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B596	1003	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B603	1005	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B604	1006	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B607	1008	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B609	1010	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B610	1012	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B611	1014	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B612	1055	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B616	1056	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B634	1057	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B655	1058	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B656	1059	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B659	1060	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B661	1061	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B664	1062	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B666	1063	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B775	1064	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B764	1065	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B793	1066	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B802	1067	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B511	1068	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B520	1069	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B542	1070	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B553	1071	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B667	1222	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B668	1223	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B672	1224	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B673	1225	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B692	1226	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B693	1227	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B694	1228	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B695	1229	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B696	1230	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B697	1231	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B698	1232	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B699	1233	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B900	1234	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B901	1235	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B902	1236	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B904	1237	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B905	1250	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B906	1251	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B907	1252	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B910	1254	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B913	1256	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B916	1258	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B923	1260	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B927	1262	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B932	1264	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B935	1266	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B936	1253	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B944	1255	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B947	1257	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B948	1259	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B949	1261	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B950	1263	Beam	None	None	None	End J	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B951	1265	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B12	1270	Beam	None	None	None	None	None	None			
CUBIERTA	B27	1267	Beam	None	None	None	None	None	None			
CUBIERTA	B36	1266	Beam	None	None	None	None	None	None			
CUBIERTA	B54	1269	Beam	None	None	None	None	None	None			
CUBIERTA	B55	1271	Beam	None	None	None	None	None	None			
CUBIERTA	B57	1272	Beam	None	None	None	None	None	None			
CUBIERTA	B58	1273	Beam	None	None	None	None	None	None			
CUBIERTA	B61	1274	Beam	None	None	None	None	None	None			
CUBIERTA	B110	1276	Beam	None	None	None	None	None	None			
CUBIERTA	B112	1277	Beam	None	None	None	None	None	None			
CUBIERTA	B114	1278	Beam	None	None	None	None	None	None			
CUBIERTA	B115	1279	Beam	None	None	None	None	None	None			
CUBIERTA	B116	1280	Beam	None	None	None	None	None	None			
CUBIERTA	B119	1281	Beam	None	None	None	None	None	None			
CUBIERTA	B120	1282	Beam	None	None	None	None	None	None			
CUBIERTA	B122	1283	Beam	None	None	None	None	None	None			
CUBIERTA	B123	1284	Beam	None	None	None	None	None	None			
CUBIERTA	B130	1285	Beam	None	None	None	None	None	None			
CUBIERTA	B143	1286	Beam	None	None	None	None	None	None			
CUBIERTA	B146	1287	Beam	None	None	None	None	None	None			
CUBIERTA	B151	1288	Beam	None	None	None	None	None	None			
CUBIERTA	B153	1289	Beam	None	None	None	None	None	None			
CUBIERTA	B177	1290	Beam	None	None	None	None	None	None			
CUBIERTA	B162	1291	Beam	None	None	None	None	None	None			
CUBIERTA	B163	1292	Beam	None	None	None	None	None	None			
CUBIERTA	B164	1293	Beam	None	None	None	None	None	None			
CUBIERTA	B196	1294	Beam	None	None	None	None	None	None			
CUBIERTA	B199	1295	Beam	None	None	None	None	None	None			
CUBIERTA	B200	1296	Beam	None	None	None	None	None	None			
CUBIERTA	B201	1297	Beam	None	None	None	None	None	None			
CUBIERTA	B206	1298	Beam	None	None	None	None	None	None			
CUBIERTA	B213	1299	Beam	None	None	None	None	None	None			
CUBIERTA	B215	1300	Beam	None	None	None	None	None	None			
CUBIERTA	B216	1301	Beam	None	None	None	None	None	None			
CUBIERTA	B264	1302	Beam	None	None	None	None	None	None			
CUBIERTA	B270	1303	Beam	None	None	None	None	None	None			
CUBIERTA	B284	1304	Beam	None	None	None	None	None	None			
CUBIERTA	B286	1305	Beam	None	None	None	None	None	None			
CUBIERTA	B288	1306	Beam	None	None	None	None	None	None			
CUBIERTA	B290	1307	Beam	None	None	None	None	None	None			
CUBIERTA	B292	1308	Beam	None	None	None	None	None	None			
CUBIERTA	B294	1309	Beam	None	None	None	None	None	None			
CUBIERTA	B297	1310	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B327	1311	Beam	None	None	None	None	None	None			
CUBIERTA	B328	1312	Beam	None	None	None	None	None	None			
CUBIERTA	B330	1313	Beam	None	None	None	None	None	None			
CUBIERTA	B335	1314	Beam	None	None	None	None	None	None			
CUBIERTA	B339	1315	Beam	None	None	None	None	None	None			
CUBIERTA	B439	1316	Beam	None	None	None	None	None	None			
CUBIERTA	B443	1317	Beam	None	None	None	None	None	None			
CUBIERTA	B444	1318	Beam	None	None	None	None	None	None			
CUBIERTA	B445	1319	Beam	None	None	None	None	None	None			
CUBIERTA	B446	1320	Beam	None	None	None	None	None	None			
CUBIERTA	B447	1321	Beam	None	None	None	None	None	None			
CUBIERTA	B448	1322	Beam	None	None	None	None	None	None			
CUBIERTA	B449	1323	Beam	None	None	None	None	None	None			
CUBIERTA	B454	1324	Beam	None	None	None	None	None	None			
CUBIERTA	B455	1325	Beam	None	None	None	None	None	None			
CUBIERTA	B457	1326	Beam	None	None	None	None	None	None			
CUBIERTA	B459	1327	Beam	None	None	None	None	None	None			
CUBIERTA	B496	1331	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B503	1334	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B504	1329	Beam	None	None	None	None	None	None			
CUBIERTA	B505	1330	Beam	None	None	None	None	None	None			
CUBIERTA	B506	1332	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B507	1335	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B508	1333	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B509	1336	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B510	1337	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B511	1339	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B514	1338	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B515	1340	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B521	1341	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B532	1342	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B536	1343	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B537	1344	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B538	1345	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B540	1346	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B541	1347	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B542	1348	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B544	1349	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B545	1350	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B546	1351	Beam	None	None	None	None	None	None			
CUBIERTA	B548	1352	Beam	None	None	None	None	None	None			
CUBIERTA	B6	1536	Beam	None	None	None	None	None	None			
CUBIERTA	B1334	1659	Beam	None	None	None	None	None	None			
CUBIERTA	B1335	1658	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B1691	1947	Beam	None	None	None	None	None	None			
CUBIERTA	B1692	1948	Beam	None	None	None	None	None	None			
CUBIERTA	B1693	1949	Beam	None	None	None	None	None	None			
CUBIERTA	B1694	1950	Beam	None	None	None	None	None	None			
CUBIERTA	B1695	1951	Beam	None	None	None	None	None	None			
CUBIERTA	B1696	1952	Beam	None	None	None	None	None	None			
CUBIERTA	B1697	1953	Beam	None	None	None	None	None	None			
CUBIERTA	B1698	1954	Beam	None	None	None	None	None	None			
CUBIERTA	B1699	1955	Beam	None	None	None	None	None	None			
CUBIERTA	B1900	1956	Beam	None	None	None	None	None	None			
CUBIERTA	B1559	1557	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1600	1560	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1619	1561	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1623	1562	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1624	1563	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1626	1564	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1712	1937	Beam	None	None	None	None	None	None			
CUBIERTA	B1713	1938	Beam	None	None	None	None	None	None			
CUBIERTA	B1714	1939	Beam	None	None	None	None	None	None			
CUBIERTA	B1715	1940	Beam	None	None	None	None	None	None			
CUBIERTA	B1716	1941	Beam	None	None	None	None	None	None			
CUBIERTA	B1717	1942	Beam	None	None	None	None	None	None			
CUBIERTA	B1718	1943	Beam	None	None	None	None	None	None			
CUBIERTA	B1719	1944	Beam	None	None	None	None	None	None			
CUBIERTA	B1720	1945	Beam	None	None	None	None	None	None			
CUBIERTA	B1721	1946	Beam	None	None	None	None	None	None			
CUBIERTA	B1734	1969	Beam	None	None	None	None	None	None			
PISO2	B1	41	Beam	None	None	None	None	None	None			
PISO2	B2	42	Beam	None	None	None	None	None	None			
PISO2	B3	43	Beam	None	None	None	None	None	None			
PISO2	B4	44	Beam	None	None	None	None	None	None			
PISO2	B15	49	Beam	None	None	None	None	None	None			
PISO2	B16	50	Beam	None	None	None	None	None	None			
PISO2	B17	51	Beam	None	None	None	None	None	None			
PISO2	B18	52	Beam	None	None	None	None	None	None			
PISO2	B19	45	Beam	None	None	None	None	None	None			
PISO2	B20	46	Beam	None	None	None	None	None	None			
PISO2	B21	47	Beam	None	None	None	None	None	None			
PISO2	B22	48	Beam	None	None	None	None	None	None			
PISO2	B70	376	Beam	None	None	None	End J	Both	Both			
PISO2	B148	226	Beam	None	None	None	End J	Both	Both			
PISO2	B194	178	Beam	None	None	None	End J	Both	Both			
PISO2	B195	180	Beam	None	None	None	End J	Both	Both			
PISO2	B196	181	Beam	None	None	None	End J	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B197	162	Beam	None	None	None	End J	Both	Both			
PISO2	B205	163	Beam	None	None	None	End J	Both	Both			
PISO2	B207	165	Beam	None	None	None	End J	Both	Both			
PISO2	B189	63	Beam	None	None	None	End J	Both	Both			
PISO2	B190	64	Beam	None	None	None	End J	Both	Both			
PISO2	B191	65	Beam	None	None	None	End J	Both	Both			
PISO2	B202	66	Beam	None	None	None	End J	Both	Both			
PISO2	B203	67	Beam	None	None	None	End J	Both	Both			
PISO2	B204	68	Beam	None	None	None	End J	Both	Both			
PISO2	B206	69	Beam	None	None	None	End J	Both	Both			
PISO2	B349	89	Beam	None	None	None	End J	Both	Both			
PISO2	B350	90	Beam	None	None	None	End J	Both	Both			
PISO2	B351	91	Beam	None	None	None	End J	Both	Both			
PISO2	B352	92	Beam	None	None	None	End J	Both	Both			
PISO2	B353	93	Beam	None	None	None	End J	Both	Both			
PISO2	B354	94	Beam	None	None	None	End J	Both	Both			
PISO2	B355	95	Beam	None	None	None	End J	Both	Both			
PISO2	B356	96	Beam	None	None	None	End J	Both	Both			
PISO2	B357	97	Beam	None	None	None	End J	Both	Both			
PISO2	B358	98	Beam	None	None	None	End J	Both	Both			
PISO2	B359	99	Beam	None	None	None	End J	Both	Both			
PISO2	B360	100	Beam	None	None	None	End J	Both	Both			
PISO2	B361	101	Beam	None	None	None	End J	Both	Both			
PISO2	B362	102	Beam	None	None	None	End J	Both	Both			
PISO2	B363	103	Beam	None	None	None	End J	Both	Both			
PISO2	B364	104	Beam	None	None	None	End J	Both	Both			
PISO2	B365	105	Beam	None	None	None	End J	Both	Both			
PISO2	B366	106	Beam	None	None	None	End J	Both	Both			
PISO2	B367	107	Beam	None	None	None	End J	Both	Both			
PISO2	B368	108	Beam	None	None	None	End J	Both	Both			
PISO2	B369	109	Beam	None	None	None	End J	Both	Both			
PISO2	B370	110	Beam	None	None	None	End J	Both	Both			
PISO2	B371	111	Beam	None	None	None	End J	Both	Both			
PISO2	B372	112	Beam	None	None	None	End J	Both	Both			
PISO2	B373	113	Beam	None	None	None	End J	Both	Both			
PISO2	B374	114	Beam	None	None	None	End J	Both	Both			
PISO2	B375	115	Beam	None	None	None	End J	Both	Both			
PISO2	B376	116	Beam	None	None	None	End J	Both	Both			
PISO2	B377	117	Beam	None	None	None	End J	Both	Both			
PISO2	B378	118	Beam	None	None	None	End J	Both	Both			
PISO2	B379	119	Beam	None	None	None	End J	Both	Both			
PISO2	B380	120	Beam	None	None	None	End J	Both	Both			
PISO2	B381	121	Beam	None	None	None	End J	Both	Both			
PISO2	B382	122	Beam	None	None	None	End J	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B363	123	Beam	None	None	None	End J	Both	Both			
PISO2	B364	124	Beam	None	None	None	End J	Both	Both			
PISO2	B365	125	Beam	None	None	None	End J	Both	Both			
PISO2	B366	126	Beam	None	None	None	End J	Both	Both			
PISO2	B367	127	Beam	None	None	None	End J	Both	Both			
PISO2	B368	128	Beam	None	None	None	End J	Both	Both			
PISO2	B369	129	Beam	None	None	None	End J	Both	Both			
PISO2	B390	130	Beam	None	None	None	End J	Both	Both			
PISO2	B391	131	Beam	None	None	None	End J	Both	Both			
PISO2	B392	132	Beam	None	None	None	End J	Both	Both			
PISO2	B393	133	Beam	None	None	None	End J	Both	Both			
PISO2	B394	134	Beam	None	None	None	End J	Both	Both			
PISO2	B395	135	Beam	None	None	None	End J	Both	Both			
PISO2	B396	136	Beam	None	None	None	End J	Both	Both			
PISO2	B397	137	Beam	None	None	None	End J	Both	Both			
PISO2	B398	138	Beam	None	None	None	End J	Both	Both			
PISO2	B399	139	Beam	None	None	None	End J	Both	Both			
PISO2	B400	140	Beam	None	None	None	End J	Both	Both			
PISO2	B401	141	Beam	None	None	None	End J	Both	Both			
PISO2	B402	142	Beam	None	None	None	End J	Both	Both			
PISO2	B403	143	Beam	None	None	None	End J	Both	Both			
PISO2	B404	144	Beam	None	None	None	End J	Both	Both			
PISO2	B405	145	Beam	None	None	None	End J	Both	Both			
PISO2	B406	146	Beam	None	None	None	End J	Both	Both			
PISO2	B407	147	Beam	None	None	None	End J	Both	Both			
PISO2	B408	148	Beam	None	None	None	End J	Both	Both			
PISO2	B409	149	Beam	None	None	None	End J	Both	Both			
PISO2	B410	150	Beam	None	None	None	End J	Both	Both			
PISO2	B411	151	Beam	None	None	None	End J	Both	Both			
PISO2	B412	152	Beam	None	None	None	End J	Both	Both			
PISO2	B413	153	Beam	None	None	None	End J	Both	Both			
PISO2	B414	154	Beam	None	None	None	End J	Both	Both			
PISO2	B415	155	Beam	None	None	None	End J	Both	Both			
PISO2	B416	156	Beam	None	None	None	End J	Both	Both			
PISO2	B417	157	Beam	None	None	None	End J	Both	Both			
PISO2	B418	158	Beam	None	None	None	End J	Both	Both			
PISO2	B419	159	Beam	None	None	None	End J	Both	Both			
PISO2	B420	160	Beam	None	None	None	End J	Both	Both			
PISO2	B421	161	Beam	None	None	None	End J	Both	Both			
PISO2	B422	162	Beam	None	None	None	End J	Both	Both			
PISO2	B423	163	Beam	None	None	None	End J	Both	Both			
PISO2	B424	164	Beam	None	None	None	End J	Both	Both			
PISO2	B425	165	Beam	None	None	None	End J	Both	Both			
PISO2	B426	166	Beam	None	None	None	End J	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B427	167	Beam	None	None	None	End J	Both	Both			
PISO2	B428	168	Beam	None	None	None	End J	Both	Both			
PISO2	B429	169	Beam	None	None	None	End J	Both	Both			
PISO2	B430	170	Beam	None	None	None	End J	Both	Both			
PISO2	B431	171	Beam	None	None	None	End J	Both	Both			
PISO2	B432	172	Beam	None	None	None	End J	Both	Both			
PISO2	B433	173	Beam	None	None	None	End J	Both	Both			
PISO2	B434	174	Beam	None	None	None	End J	Both	Both			
PISO2	B435	175	Beam	None	None	None	End J	Both	Both			
PISO2	B436	176	Beam	None	None	None	End J	Both	Both			
PISO2	B437	177	Beam	None	None	None	End J	Both	Both			
PISO2	B438	178	Beam	None	None	None	End J	Both	Both			
PISO2	B577	166	Beam	None	None	None	End J	Both	Both			
PISO2	B578	167	Beam	None	None	None	End J	Both	Both			
PISO2	B579	168	Beam	None	None	None	End J	Both	Both			
PISO2	B580	169	Beam	None	None	None	End J	Both	Both			
PISO2	B584	193	Beam	None	None	None	End J	Both	Both			
PISO2	B585	194	Beam	None	None	None	End J	Both	Both			
PISO2	B596	205	Beam	None	None	None	End J	Both	Both			
PISO2	B599	206	Beam	None	None	None	End J	Both	Both			
PISO2	B600	207	Beam	None	None	None	End J	Both	Both			
PISO2	B601	208	Beam	None	None	None	End J	Both	Both			
PISO2	B605	212	Beam	None	None	None	End J	Both	Both			
PISO2	B606	213	Beam	None	None	None	End J	Both	Both			
PISO2	B614	219	Beam	None	None	None	End J	Both	Both			
PISO2	B615	220	Beam	None	None	None	End J	Both	Both			
PISO2	B616	221	Beam	None	None	None	End J	Both	Both			
PISO2	B617	222	Beam	None	None	None	End J	Both	Both			
PISO2	B619	224	Beam	None	None	None	End J	Both	Both			
PISO2	B620	225	Beam	None	None	None	End J	Both	Both			
PISO2	B657	61	Beam	None	None	None	End J	Both	Both			
PISO2	B658	190	Beam	None	None	None	End J	Both	Both			
PISO2	B660	209	Beam	None	None	None	End J	Both	Both			
PISO2	B662	226	Beam	None	None	None	End J	Both	Both			
PISO2	B663	229	Beam	None	None	None	End J	Both	Both			
PISO2	B665	231	Beam	None	None	None	End J	Both	Both			
PISO2	B554	303	Beam	None	None	None	End J	Both	Both			
PISO2	B555	304	Beam	None	None	None	End J	Both	Both			
PISO2	B556	305	Beam	None	None	None	End J	Both	Both			
PISO2	B557	306	Beam	None	None	None	End J	Both	Both			
PISO2	B558	307	Beam	None	None	None	End J	Both	Both			
PISO2	B559	308	Beam	None	None	None	End J	Both	Both			
PISO2	B590	309	Beam	None	None	None	End J	Both	Both			
PISO2	B591	310	Beam	None	None	None	End J	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B917	62	Beam	None	None	None	End J	Both	Both			
PISO2	B918	311	Beam	None	None	None	End I	Both	Both			
PISO2	B919	1127	Beam	None	None	None	End I	Both	Both			
PISO2	B946	1126	Beam	None	None	None	End I	Both	Both			
PISO2	B559	321	Beam	None	None	None	End I	Both	Both			
PISO2	B560	399	Beam	None	None	None	End I	Both	Both			
PISO2	B561	402	Beam	None	None	None	End I	Both	Both			
PISO2	B562	405	Beam	None	None	None	End I	Both	Both			
PISO2	B563	408	Beam	None	None	None	End I	Both	Both			
PISO2	B564	411	Beam	None	None	None	End I	Both	Both			
PISO2	B565	414	Beam	None	None	None	End I	Both	Both			
PISO2	B566	417	Beam	None	None	None	End I	Both	Both			
PISO2	B567	420	Beam	None	None	None	End I	Both	Both			
PISO2	B568	423	Beam	None	None	None	End I	Both	Both			
PISO2	B569	426	Beam	None	None	None	End I	Both	Both			
PISO2	B570	429	Beam	None	None	None	End I	Both	Both			
PISO2	B571	432	Beam	None	None	None	End I	Both	Both			
PISO2	B572	435	Beam	None	None	None	End I	Both	Both			
PISO2	B573	438	Beam	None	None	None	End I	Both	Both			
PISO2	B574	441	Beam	None	None	None	End I	Both	Both			
PISO2	B575	444	Beam	None	None	None	End I	Both	Both			
PISO2	B597	322	Beam	None	None	None	End I	Both	Both			
PISO2	B602	400	Beam	None	None	None	End I	Both	Both			
PISO2	B606	403	Beam	None	None	None	End I	Both	Both			
PISO2	B613	406	Beam	None	None	None	End I	Both	Both			
PISO2	B621	409	Beam	None	None	None	End I	Both	Both			
PISO2	B622	412	Beam	None	None	None	End I	Both	Both			
PISO2	B623	415	Beam	None	None	None	End I	Both	Both			
PISO2	B624	418	Beam	None	None	None	End I	Both	Both			
PISO2	B625	421	Beam	None	None	None	End I	Both	Both			
PISO2	B626	424	Beam	None	None	None	End I	Both	Both			
PISO2	B627	427	Beam	None	None	None	End I	Both	Both			
PISO2	B628	430	Beam	None	None	None	End I	Both	Both			
PISO2	B629	433	Beam	None	None	None	End I	Both	Both			
PISO2	B630	436	Beam	None	None	None	End I	Both	Both			
PISO2	B631	439	Beam	None	None	None	End I	Both	Both			
PISO2	B632	442	Beam	None	None	None	End I	Both	Both			
PISO2	B633	445	Beam	None	None	None	End I	Both	Both			
PISO2	B636	323	Beam	None	None	None	End I	Both	Both			
PISO2	B639	401	Beam	None	None	None	End I	Both	Both			
PISO2	B640	404	Beam	None	None	None	End I	Both	Both			
PISO2	B641	407	Beam	None	None	None	End I	Both	Both			
PISO2	B642	410	Beam	None	None	None	End I	Both	Both			
PISO2	B643	413	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B644	416	Beam	None	None	None	End I	Both	Both			
PISO2	B645	419	Beam	None	None	None	End I	Both	Both			
PISO2	B646	422	Beam	None	None	None	End I	Both	Both			
PISO2	B647	425	Beam	None	None	None	End I	Both	Both			
PISO2	B648	428	Beam	None	None	None	End I	Both	Both			
PISO2	B649	431	Beam	None	None	None	End I	Both	Both			
PISO2	B650	434	Beam	None	None	None	End I	Both	Both			
PISO2	B651	437	Beam	None	None	None	End I	Both	Both			
PISO2	B652	440	Beam	None	None	None	End I	Both	Both			
PISO2	B653	443	Beam	None	None	None	End I	Both	Both			
PISO2	B654	446	Beam	None	None	None	End I	Both	Both			
PISO2	B669	79	Beam	None	None	None	End J	Both	Both			
PISO2	B670	453	Beam	None	None	None	End I	Both	Both			
PISO2	B671	454	Beam	None	None	None	End I	Both	Both			
PISO2	B672	455	Beam	None	None	None	End I	Both	Both			
PISO2	B673	456	Beam	None	None	None	End I	Both	Both			
PISO2	B674	457	Beam	None	None	None	End I	Both	Both			
PISO2	B675	458	Beam	None	None	None	End I	Both	Both			
PISO2	B676	459	Beam	None	None	None	End I	Both	Both			
PISO2	B677	460	Beam	None	None	None	End I	Both	Both			
PISO2	B678	461	Beam	None	None	None	End I	Both	Both			
PISO2	B679	462	Beam	None	None	None	End I	Both	Both			
PISO2	B680	463	Beam	None	None	None	End I	Both	Both			
PISO2	B681	464	Beam	None	None	None	End I	Both	Both			
PISO2	B682	465	Beam	None	None	None	End I	Both	Both			
PISO2	B683	466	Beam	None	None	None	End I	Both	Both			
PISO2	B684	467	Beam	None	None	None	End I	Both	Both			
PISO2	B685	468	Beam	None	None	None	End I	Both	Both			
PISO2	B686	324	Beam	None	None	None	End I	Both	Both			
PISO2	B689	328	Beam	None	None	None	End I	Both	Both			
PISO2	B690	332	Beam	None	None	None	End I	Both	Both			
PISO2	B691	336	Beam	None	None	None	End I	Both	Both			
PISO2	B692	340	Beam	None	None	None	End I	Both	Both			
PISO2	B693	344	Beam	None	None	None	End I	Both	Both			
PISO2	B694	348	Beam	None	None	None	End I	Both	Both			
PISO2	B695	352	Beam	None	None	None	End I	Both	Both			
PISO2	B696	356	Beam	None	None	None	End I	Both	Both			
PISO2	B697	360	Beam	None	None	None	End I	Both	Both			
PISO2	B698	364	Beam	None	None	None	End I	Both	Both			
PISO2	B701	366	Beam	None	None	None	End I	Both	Both			
PISO2	B703	369	Beam	None	None	None	End I	Both	Both			
PISO2	B709	325	Beam	None	None	None	End I	Both	Both			
PISO2	B710	329	Beam	None	None	None	End I	Both	Both			
PISO2	B711	333	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B712	337	Beam	None	None	None	End I	Both	Both			
PISO2	B713	341	Beam	None	None	None	End I	Both	Both			
PISO2	B714	345	Beam	None	None	None	End I	Both	Both			
PISO2	B715	349	Beam	None	None	None	End I	Both	Both			
PISO2	B716	353	Beam	None	None	None	End I	Both	Both			
PISO2	B717	357	Beam	None	None	None	End I	Both	Both			
PISO2	B718	361	Beam	None	None	None	End I	Both	Both			
PISO2	B719	365	Beam	None	None	None	End I	Both	Both			
PISO2	B722	367	Beam	None	None	None	End I	Both	Both			
PISO2	B724	370	Beam	None	None	None	End I	Both	Both			
PISO2	B730	326	Beam	None	None	None	End I	Both	Both			
PISO2	B731	330	Beam	None	None	None	End I	Both	Both			
PISO2	B732	334	Beam	None	None	None	End I	Both	Both			
PISO2	B733	338	Beam	None	None	None	End I	Both	Both			
PISO2	B734	342	Beam	None	None	None	End I	Both	Both			
PISO2	B735	346	Beam	None	None	None	End I	Both	Both			
PISO2	B736	350	Beam	None	None	None	End I	Both	Both			
PISO2	B737	354	Beam	None	None	None	End I	Both	Both			
PISO2	B738	358	Beam	None	None	None	End I	Both	Both			
PISO2	B739	362	Beam	None	None	None	End I	Both	Both			
PISO2	B743	366	Beam	None	None	None	End I	Both	Both			
PISO2	B745	371	Beam	None	None	None	End I	Both	Both			
PISO2	B774	327	Beam	None	None	None	End I	Both	Both			
PISO2	B783	331	Beam	None	None	None	End I	Both	Both			
PISO2	B792	335	Beam	None	None	None	End I	Both	Both			
PISO2	B801	339	Beam	None	None	None	End I	Both	Both			
PISO2	B810	343	Beam	None	None	None	End I	Both	Both			
PISO2	B819	347	Beam	None	None	None	End I	Both	Both			
PISO2	B828	351	Beam	None	None	None	End I	Both	Both			
PISO2	B829	355	Beam	None	None	None	End I	Both	Both			
PISO2	B830	359	Beam	None	None	None	End I	Both	Both			
PISO2	B831	363	Beam	None	None	None	End I	Both	Both			
PISO2	B843	319	Beam	None	None	None	End I	Both	Both			
PISO2	B844	378	Beam	None	None	None	End I	Both	Both			
PISO2	B845	381	Beam	None	None	None	End I	Both	Both			
PISO2	B846	383	Beam	None	None	None	End I	Both	Both			
PISO2	B847	385	Beam	None	None	None	End I	Both	Both			
PISO2	B848	387	Beam	None	None	None	End I	Both	Both			
PISO2	B849	389	Beam	None	None	None	End I	Both	Both			
PISO2	B850	391	Beam	None	None	None	End I	Both	Both			
PISO2	B851	393	Beam	None	None	None	End I	Both	Both			
PISO2	B852	395	Beam	None	None	None	End I	Both	Both			
PISO2	B854	320	Beam	None	None	None	End I	Both	Both			
PISO2	B855	350	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B856	352	Beam	None	None	None	End I	Both	Both			
PISO2	B857	354	Beam	None	None	None	End I	Both	Both			
PISO2	B858	356	Beam	None	None	None	End I	Both	Both			
PISO2	B859	358	Beam	None	None	None	End I	Both	Both			
PISO2	B860	390	Beam	None	None	None	End I	Both	Both			
PISO2	B861	392	Beam	None	None	None	End I	Both	Both			
PISO2	B862	394	Beam	None	None	None	End I	Both	Both			
PISO2	B863	396	Beam	None	None	None	End I	Both	Both			
PISO2	B865	471	Beam	None	None	None	End I	Both	Both			
PISO2	B866	472	Beam	None	None	None	End I	Both	Both			
PISO2	B160	493	Beam	None	None	None	End I	Both	Both			
PISO2	B163	490	Beam	None	None	None	End I	Both	Both			
PISO2	B164	491	Beam	None	None	None	End I	Both	Both			
PISO2	B165	488	Beam	None	None	None	End I	Both	Both			
PISO2	B166	489	Beam	None	None	None	End I	Both	Both			
PISO2	B167	473	Beam	None	None	None	End I	Both	Both			
PISO2	B172	476	Beam	None	None	None	End I	Both	Both			
PISO2	B173	479	Beam	None	None	None	End I	Both	Both			
PISO2	B174	496	Beam	None	None	None	End I	Both	Both			
PISO2	B176	497	Beam	None	None	None	End I	Both	Both			
PISO2	B186	502	Beam	None	None	None	End I	Both	Both			
PISO2	B185	503	Beam	None	None	None	End I	Both	Both			
PISO2	B193	504	Beam	None	None	None	End I	Both	Both			
PISO2	B210	505	Beam	None	None	None	End I	Both	Both			
PISO2	B211	506	Beam	None	None	None	End I	Both	Both			
PISO2	B214	508	Beam	None	None	None	End I	Both	Both			
PISO2	B227	516	Beam	None	None	None	End I	Both	Both			
PISO2	B226	517	Beam	None	None	None	End I	Both	Both			
PISO2	B230	518	Beam	None	None	None	End I	Both	Both			
PISO2	B231	519	Beam	None	None	None	End I	Both	Both			
PISO2	B232	520	Beam	None	None	None	End I	Both	Both			
PISO2	B234	521	Beam	None	None	None	End I	Both	Both			
PISO2	B247	528	Beam	None	None	None	End I	Both	Both			
PISO2	B248	529	Beam	None	None	None	End I	Both	Both			
PISO2	B249	530	Beam	None	None	None	End I	Both	Both			
PISO2	B250	531	Beam	None	None	None	End I	Both	Both			
PISO2	B252	532	Beam	None	None	None	End I	Both	Both			
PISO2	B254	533	Beam	None	None	None	End I	Both	Both			
PISO2	B255	534	Beam	None	None	None	End I	Both	Both			
PISO2	B256	535	Beam	None	None	None	End I	Both	Both			
PISO2	B257	536	Beam	None	None	None	End I	Both	Both			
PISO2	B258	537	Beam	None	None	None	End I	Both	Both			
PISO2	B259	538	Beam	None	None	None	End I	Both	Both			
PISO2	B260	539	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B261	540	Beam	None	None	None	End I	Both	Both			
PISO2	B262	541	Beam	None	None	None	End I	Both	Both			
PISO2	B263	542	Beam	None	None	None	End I	Both	Both			
PISO2	B266	543	Beam	None	None	None	End I	Both	Both			
PISO2	B267	544	Beam	None	None	None	End I	Both	Both			
PISO2	B268	545	Beam	None	None	None	End I	Both	Both			
PISO2	B269	546	Beam	None	None	None	End I	Both	Both			
PISO2	B271	547	Beam	None	None	None	End I	Both	Both			
PISO2	B272	548	Beam	None	None	None	End I	Both	Both			
PISO2	B273	549	Beam	None	None	None	End I	Both	Both			
PISO2	B274	550	Beam	None	None	None	End I	Both	Both			
PISO2	B275	551	Beam	None	None	None	End I	Both	Both			
PISO2	B276	552	Beam	None	None	None	End I	Both	Both			
PISO2	B277	553	Beam	None	None	None	End I	Both	Both			
PISO2	B278	554	Beam	None	None	None	End I	Both	Both			
PISO2	B279	555	Beam	None	None	None	End I	Both	Both			
PISO2	B280	556	Beam	None	None	None	End I	Both	Both			
PISO2	B281	557	Beam	None	None	None	End I	Both	Both			
PISO2	B306	562	Beam	None	None	None	End I	Both	Both			
PISO2	B307	563	Beam	None	None	None	End I	Both	Both			
PISO2	B308	564	Beam	None	None	None	End I	Both	Both			
PISO2	B309	565	Beam	None	None	None	End I	Both	Both			
PISO2	B310	566	Beam	None	None	None	End I	Both	Both			
PISO2	B311	567	Beam	None	None	None	End I	Both	Both			
PISO2	B312	568	Beam	None	None	None	End I	Both	Both			
PISO2	B313	569	Beam	None	None	None	End I	Both	Both			
PISO2	B314	590	Beam	None	None	None	End I	Both	Both			
PISO2	B315	591	Beam	None	None	None	End I	Both	Both			
PISO2	B316	592	Beam	None	None	None	End I	Both	Both			
PISO2	B317	593	Beam	None	None	None	End I	Both	Both			
PISO2	B318	495	Beam	None	None	None	End I	Both	Both			
PISO2	B319	594	Beam	None	None	None	End I	Both	Both			
PISO2	B468	372	Beam	None	None	None	End I	Both	Both			
PISO2	B469	373	Beam	None	None	None	End I	Both	Both			
PISO2	B470	374	Beam	None	None	None	End I	Both	Both			
PISO2	B471	375	Beam	None	None	None	End I	Both	Both			
PISO2	B472	376	Beam	None	None	None	End I	Both	Both			
PISO2	B473	377	Beam	None	None	None	End I	Both	Both			
PISO2	B474	397	Beam	None	None	None	End I	Both	Both			
PISO2	B475	396	Beam	None	None	None	End I	Both	Both			
PISO2	B476	447	Beam	None	None	None	End I	Both	Both			
PISO2	B477	448	Beam	None	None	None	End I	Both	Both			
PISO2	B478	449	Beam	None	None	None	End I	Both	Both			
PISO2	B479	450	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B450	451	Beam	None	None	None	End I	Both	Both			
PISO2	B451	452	Beam	None	None	None	End I	Both	Both			
PISO2	B462	469	Beam	None	None	None	End I	Both	Both			
PISO2	B463	470	Beam	None	None	None	End I	Both	Both			
PISO2	B1063	1015	Beam	None	None	None	End I	Both	Both			
PISO2	B1064	1016	Beam	None	None	None	End I	Both	Both			
PISO2	B1095	1024	Beam	None	None	None	End I	Both	Both			
PISO2	B1111	1025	Beam	None	None	None	End I	Both	Both			
PISO2	B1112	1026	Beam	None	None	None	End I	Both	Both			
PISO2	B1119	1027	Beam	None	None	None	End I	Both	Both			
PISO2	B1120	1028	Beam	None	None	None	End I	Both	Both			
PISO2	B1127	1029	Beam	None	None	None	End I	Both	Both			
PISO2	B1128	1030	Beam	None	None	None	End I	Both	Both			
PISO2	B1135	1031	Beam	None	None	None	End I	Both	Both			
PISO2	B1136	1032	Beam	None	None	None	End I	Both	Both			
PISO2	B1137	1033	Beam	None	None	None	End I	Both	Both			
PISO2	B1138	1034	Beam	None	None	None	End I	Both	Both			
PISO2	B1139	1035	Beam	None	None	None	End I	Both	Both			
PISO2	B1140	1036	Beam	None	None	None	End I	Both	Both			
PISO2	B1141	1037	Beam	None	None	None	End I	Both	Both			
PISO2	B1142	1038	Beam	None	None	None	End I	Both	Both			
PISO2	B1143	1039	Beam	None	None	None	End I	Both	Both			
PISO2	B1144	1040	Beam	None	None	None	End I	Both	Both			
PISO2	B1145	1041	Beam	None	None	None	End I	Both	Both			
PISO2	B1146	1042	Beam	None	None	None	End I	Both	Both			
PISO2	B1147	1043	Beam	None	None	None	End I	Both	Both			
PISO2	B1148	1044	Beam	None	None	None	End I	Both	Both			
PISO2	B1149	1045	Beam	None	None	None	End I	Both	Both			
PISO2	B945	214	Beam	None	None	None	End J	Both	Both			
PISO2	B952	223	Beam	None	None	None	End J	Both	Both			
PISO2	B956	1053	Beam	None	None	None	End I	Both	Both			
PISO2	B960	184	Beam	None	None	None	End J	Both	Both			
PISO2	B967	191	Beam	None	None	None	End J	Both	Both			
PISO2	B968	192	Beam	None	None	None	End J	Both	Both			
PISO2	B974	210	Beam	None	None	None	End J	Both	Both			
PISO2	B976	211	Beam	None	None	None	End J	Both	Both			
PISO2	B979	1017	Beam	None	None	None	End I	Both	Both			
PISO2	B981	1018	Beam	None	None	None	End I	Both	Both			
PISO2	B984	195	Beam	None	None	None	End J	Both	Both			
PISO2	B985	196	Beam	None	None	None	End J	Both	Both			
PISO2	B986	197	Beam	None	None	None	End J	Both	Both			
PISO2	B987	198	Beam	None	None	None	End J	Both	Both			
PISO2	B988	199	Beam	None	None	None	End J	Both	Both			
PISO2	B989	200	Beam	None	None	None	End J	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B990	201	Beam	None	None	None	End J	Both	Both			
PISO2	B991	202	Beam	None	None	None	End J	Both	Both			
PISO2	B992	203	Beam	None	None	None	End J	Both	Both			
PISO2	B993	204	Beam	None	None	None	End J	Both	Both			
PISO2	B995	230	Beam	None	None	None	End J	Both	Both			
PISO2	B996	60	Beam	None	None	None	End J	Both	Both			
PISO2	B997	215	Beam	None	None	None	End J	Both	Both			
PISO2	B999	216	Beam	None	None	None	End J	Both	Both			
PISO2	B1002	217	Beam	None	None	None	End J	Both	Both			
PISO2	B1003	218	Beam	None	None	None	End J	Both	Both			
PISO2	B1006	227	Beam	None	None	None	End J	Both	Both			
PISO2	B1007	1019	Beam	None	None	None	End I	Both	Both			
PISO2	B1010	1020	Beam	None	None	None	End I	Both	Both			
PISO2	B1011	1021	Beam	None	None	None	End I	Both	Both			
PISO2	B1014	1022	Beam	None	None	None	End I	Both	Both			
PISO2	B1015	1023	Beam	None	None	None	End I	Both	Both			
PISO2	B1166	1100	Beam	None	None	None	End I	Both	Both			
PISO2	B1167	1101	Beam	None	None	None	End I	Both	Both			
PISO2	B1170	1102	Beam	None	None	None	End I	Both	Both			
PISO2	B1171	1103	Beam	None	None	None	End I	Both	Both			
PISO2	B1172	1104	Beam	None	None	None	End I	Both	Both			
PISO2	B1173	1105	Beam	None	None	None	End I	Both	Both			
PISO2	B1187	1106	Beam	None	None	None	End I	Both	Both			
PISO2	B1188	1107	Beam	None	None	None	End I	Both	Both			
PISO2	B1189	1108	Beam	None	None	None	End I	Both	Both			
PISO2	B1190	1109	Beam	None	None	None	End I	Both	Both			
PISO2	B1192	1110	Beam	None	None	None	End I	Both	Both			
PISO2	B1194	1111	Beam	None	None	None	End I	Both	Both			
PISO2	B1196	1112	Beam	None	None	None	End I	Both	Both			
PISO2	B1211	1113	Beam	None	None	None	End I	Both	Both			
PISO2	B1214	1114	Beam	None	None	None	End I	Both	Both			
PISO2	B1263	1115	Beam	None	None	None	End I	Both	Both			
PISO2	B1266	1116	Beam	None	None	None	End I	Both	Both			
PISO2	B1267	1117	Beam	None	None	None	End I	Both	Both			
PISO2	B1268	1118	Beam	None	None	None	End I	Both	Both			
PISO2	B1347	1119	Beam	None	None	None	End I	Both	Both			
PISO2	B1350	1120	Beam	None	None	None	End I	Both	Both			
PISO2	B1351	1121	Beam	None	None	None	End I	Both	Both			
PISO2	B1352	1122	Beam	None	None	None	End I	Both	Both			
PISO2	B1353	1123	Beam	None	None	None	End I	Both	Both			
PISO2	B1354	1124	Beam	None	None	None	End I	Both	Both			
PISO2	B1356	595	Beam	None	None	None	End I	Both	Both			
PISO2	B1359	596	Beam	None	None	None	End I	Both	Both			
PISO2	B1360	597	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1361	598	Beam	None	None	None	End I	Both	Both			
PISO2	B1362	599	Beam	None	None	None	End I	Both	Both			
PISO2	B1363	600	Beam	None	None	None	End I	Both	Both			
PISO2	B1364	601	Beam	None	None	None	End I	Both	Both			
PISO2	B1365	1129	Beam	None	None	None	End I	Both	Both			
PISO2	B1366	492	Beam	None	None	None	End I	Both	Both			
PISO2	B1367	509	Beam	None	None	None	End I	Both	Both			
PISO2	B1368	510	Beam	None	None	None	End I	Both	Both			
PISO2	B1369	511	Beam	None	None	None	End I	Both	Both			
PISO2	B1370	512	Beam	None	None	None	End I	Both	Both			
PISO2	B1371	513	Beam	None	None	None	End I	Both	Both			
PISO2	B1372	514	Beam	None	None	None	End I	Both	Both			
PISO2	B1373	515	Beam	None	None	None	End I	Both	Both			
PISO2	B1374	494	Beam	None	None	None	End I	Both	Both			
PISO2	B1375	507	Beam	None	None	None	End I	Both	Both			
PISO2	B1376	522	Beam	None	None	None	End I	Both	Both			
PISO2	B1377	523	Beam	None	None	None	End I	Both	Both			
PISO2	B1378	524	Beam	None	None	None	End I	Both	Both			
PISO2	B1379	525	Beam	None	None	None	End I	Both	Both			
PISO2	B1380	526	Beam	None	None	None	End I	Both	Both			
PISO2	B1381	527	Beam	None	None	None	End I	Both	Both			
PISO2	B1382	1130	Beam	None	None	None	End I	Both	Both			
PISO2	B1383	602	Beam	None	None	None	End I	Both	Both			
PISO2	B1384	603	Beam	None	None	None	End I	Both	Both			
PISO2	B1385	604	Beam	None	None	None	End I	Both	Both			
PISO2	B1386	605	Beam	None	None	None	End I	Both	Both			
PISO2	B1387	606	Beam	None	None	None	End I	Both	Both			
PISO2	B1388	607	Beam	None	None	None	End I	Both	Both			
PISO2	B1389	1131	Beam	None	None	None	End I	Both	Both			
PISO2	B1390	1132	Beam	None	None	None	End I	Both	Both			
PISO2	B1391	1133	Beam	None	None	None	End I	Both	Both			
PISO2	B1392	1134	Beam	None	None	None	End I	Both	Both			
PISO2	B1393	1135	Beam	None	None	None	End I	Both	Both			
PISO2	B1394	1136	Beam	None	None	None	End I	Both	Both			
PISO2	B1396	1137	Beam	None	None	None	End I	Both	Both			
PISO2	B1397	1138	Beam	None	None	None	End I	Both	Both			
PISO2	B1398	1967	Beam	None	None	None	None	None	None			
PISO2	B1399	1140	Beam	None	None	None	End I	Both	Both			
PISO2	B1404	1145	Beam	None	None	None	End I	Both	Both			
PISO2	B1405	1146	Beam	None	None	None	End I	Both	Both			
PISO2	B1415	477	Beam	None	None	None	End I	Both	Both			
PISO2	B1416	496	Beam	None	None	None	End I	Both	Both			
PISO2	B1417	576	Beam	None	None	None	End I	Both	Both			
PISO2	B1418	577	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1419	578	Beam	None	None	None	End I	Both	Both			
PISO2	B1420	579	Beam	None	None	None	End I	Both	Both			
PISO2	B1421	560	Beam	None	None	None	End I	Both	Both			
PISO2	B1422	561	Beam	None	None	None	End I	Both	Both			
PISO2	B1423	1144	Beam	None	None	None	End I	Both	Both			
PISO2	B1424	476	Beam	None	None	None	End I	Both	Both			
PISO2	B1425	499	Beam	None	None	None	End I	Both	Both			
PISO2	B1426	570	Beam	None	None	None	End I	Both	Both			
PISO2	B1427	571	Beam	None	None	None	End I	Both	Both			
PISO2	B1428	572	Beam	None	None	None	End I	Both	Both			
PISO2	B1429	573	Beam	None	None	None	End I	Both	Both			
PISO2	B1430	574	Beam	None	None	None	End I	Both	Both			
PISO2	B1431	575	Beam	None	None	None	End I	Both	Both			
PISO2	B1432	1143	Beam	None	None	None	End I	Both	Both			
PISO2	B1433	474	Beam	None	None	None	End I	Both	Both			
PISO2	B1434	475	Beam	None	None	None	End I	Both	Both			
PISO2	B1435	500	Beam	None	None	None	End I	Both	Both			
PISO2	B1436	501	Beam	None	None	None	End I	Both	Both			
PISO2	B1437	558	Beam	None	None	None	End I	Both	Both			
PISO2	B1438	559	Beam	None	None	None	End I	Both	Both			
PISO2	B1439	560	Beam	None	None	None	End I	Both	Both			
PISO2	B1440	561	Beam	None	None	None	End I	Both	Both			
PISO2	B1441	562	Beam	None	None	None	End I	Both	Both			
PISO2	B1442	563	Beam	None	None	None	End I	Both	Both			
PISO2	B1443	564	Beam	None	None	None	End I	Both	Both			
PISO2	B1444	565	Beam	None	None	None	End I	Both	Both			
PISO2	B1445	566	Beam	None	None	None	End I	Both	Both			
PISO2	B1446	567	Beam	None	None	None	End I	Both	Both			
PISO2	B1447	568	Beam	None	None	None	End I	Both	Both			
PISO2	B1448	569	Beam	None	None	None	End I	Both	Both			
PISO2	B1449	1141	Beam	None	None	None	End I	Both	Both			
PISO2	B1450	1142	Beam	None	None	None	End I	Both	Both			
PISO2	B1451	1147	Beam	None	None	None	End I	Both	Both			
PISO2	B1452	1148	Beam	None	None	None	End I	Both	Both			
PISO2	B1453	1149	Beam	None	None	None	End I	Both	Both			
PISO2	B1454	1150	Beam	None	None	None	End I	Both	Both			
PISO2	B1455	1151	Beam	None	None	None	End I	Both	Both			
PISO2	B1456	1152	Beam	None	None	None	End I	Both	Both			
PISO2	B1457	1153	Beam	None	None	None	End I	Both	Both			
PISO2	B1459	1155	Beam	None	None	None	End I	Both	Both			
PISO2	B1460	1156	Beam	None	None	None	End I	Both	Both			
PISO2	B1461	1157	Beam	None	None	None	End I	Both	Both			
PISO2	B1462	1158	Beam	None	None	None	End I	Both	Both			
PISO2	B1463	1159	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1464	1160	Beam	None	None	None	End I	Both	Both			
PISO2	B1465	1161	Beam	None	None	None	End I	Both	Both			
PISO2	B1466	1162	Beam	None	None	None	End J	Both	Both			
PISO2	B1467	1163	Beam	None	None	None	End J	Both	Both			
PISO2	B1468	1164	Beam	None	None	None	End J	Both	Both			
PISO2	B1469	1165	Beam	None	None	None	End J	Both	Both			
PISO2	B1470	1166	Beam	None	None	None	End J	Both	Both			
PISO2	B1471	1167	Beam	None	None	None	End J	Both	Both			
PISO2	B1472	1168	Beam	None	None	None	End J	Both	Both			
PISO2	B1473	1169	Beam	None	None	None	End J	Both	Both			
PISO2	B1474	1170	Beam	None	None	None	End J	Both	Both			
PISO2	B1475	1171	Beam	None	None	None	End J	Both	Both			
PISO2	B1476	1172	Beam	None	None	None	End J	Both	Both			
PISO2	B1477	1173	Beam	None	None	None	End J	Both	Both			
PISO2	B1478	1174	Beam	None	None	None	End J	Both	Both			
PISO2	B1479	1175	Beam	None	None	None	End J	Both	Both			
PISO2	B1480	1176	Beam	None	None	None	End J	Both	Both			
PISO2	B1481	1177	Beam	None	None	None	End J	Both	Both			
PISO2	B1482	1178	Beam	None	None	None	End J	Both	Both			
PISO2	B1483	1179	Beam	None	None	None	End J	Both	Both			
PISO2	B1484	1180	Beam	None	None	None	End J	Both	Both			
PISO2	B1485	1181	Beam	None	None	None	End J	Both	Both			
PISO2	B1486	1182	Beam	None	None	None	End J	Both	Both			
PISO2	B1487	1183	Beam	None	None	None	End J	Both	Both			
PISO2	B1488	1184	Beam	None	None	None	End J	Both	Both			
PISO2	B1489	1185	Beam	None	None	None	End J	Both	Both			
PISO2	B124	1656	Beam	None	None	None	End I	Both	Both			
PISO2	B136	1511	Beam	None	None	None	None	None	None			
PISO2	B5	1209	Beam	None	None	None	End I	Both	Both			
PISO2	B219	1072	Beam	None	None	None	End J	Both	Both			
PISO2	B868	1516	Beam	None	None	None	None	None	None			
PISO2	B872	1515	Beam	None	None	None	None	None	None			
PISO2	B873	1491	Beam	None	None	None	None	None	None			
PISO2	B905	1531	Beam	None	None	None	None	None	None			
PISO2	B906	1532	Beam	None	None	None	None	None	None			
PISO2	B907	1533	Beam	None	None	None	None	None	None			
PISO2	B910	1667	Beam	None	None	None	End I	Both	Both			
PISO2	B936	1480	Beam	None	None	None	None	None	None			
PISO2	B27	60	Beam	None	None	None	None	None	None			
PISO2	B36	1364	Beam	None	None	None	None	None	None			
PISO2	B54	1365	Beam	None	None	None	None	None	None			
PISO2	B55	1520	Beam	None	None	None	None	None	None			
PISO2	B57	1519	Beam	None	None	None	None	None	None			
PISO2	B58	1518	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B61	1517	Beam	None	None	None	None	None	None			
PISO2	B63	1530	Beam	None	None	None	None	None	None			
PISO2	B110	1524	Beam	None	None	None	None	None	None			
PISO2	B112	1523	Beam	None	None	None	None	None	None			
PISO2	B114	1522	Beam	None	None	None	None	None	None			
PISO2	B115	1413	Beam	None	None	None	None	None	None			
PISO2	B116	1414	Beam	None	None	None	None	None	None			
PISO2	B119	1415	Beam	None	None	None	None	None	None			
PISO2	B120	1416	Beam	None	None	None	None	None	None			
PISO2	B122	1417	Beam	None	None	None	None	None	None			
PISO2	B177	1510	Beam	None	None	None	None	None	None			
PISO2	B182	1505	Beam	None	None	None	None	None	None			
PISO2	B183	1504	Beam	None	None	None	None	None	None			
PISO2	B184	1503	Beam	None	None	None	None	None	None			
PISO2	B196	1502	Beam	None	None	None	None	None	None			
PISO2	B200	1506	Beam	None	None	None	None	None	None			
PISO2	B201	1507	Beam	None	None	None	None	None	None			
PISO2	B206	1508	Beam	None	None	None	None	None	None			
PISO2	B213	1509	Beam	None	None	None	None	None	None			
PISO2	B215	1423	Beam	None	None	None	None	None	None			
PISO2	B216	1424	Beam	None	None	None	None	None	None			
PISO2	B264	1425	Beam	None	None	None	None	None	None			
PISO2	B270	1426	Beam	None	None	None	None	None	None			
PISO2	B284	1427	Beam	None	None	None	None	None	None			
PISO2	B286	1428	Beam	None	None	None	None	None	None			
PISO2	B288	1429	Beam	None	None	None	None	None	None			
PISO2	B290	1514	Beam	None	None	None	None	None	None			
PISO2	B292	1492	Beam	None	None	None	None	None	None			
PISO2	B294	1490	Beam	None	None	None	None	None	None			
PISO2	B297	1489	Beam	None	None	None	None	None	None			
PISO2	B327	1488	Beam	None	None	None	None	None	None			
PISO2	B328	1535	Beam	None	None	None	None	None	None			
PISO2	B330	1481	Beam	None	None	None	None	None	None			
PISO2	B336	1482	Beam	None	None	None	None	None	None			
PISO2	B339	1479	Beam	None	None	None	None	None	None			
PISO2	B439	1478	Beam	None	None	None	None	None	None			
PISO2	B443	1477	Beam	None	None	None	None	None	None			
PISO2	B444	1498	Beam	None	None	None	None	None	None			
PISO2	B445	1494	Beam	None	None	None	None	None	None			
PISO2	B446	1495	Beam	None	None	None	None	None	None			
PISO2	B447	1496	Beam	None	None	None	None	None	None			
PISO2	B448	1497	Beam	None	None	None	None	None	None			
PISO2	B449	82	Beam	None	None	None	None	None	None			
PISO2	B454	1431	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B455	1430	Beam	None	None	None	None	None	None			
PISO2	B459	1456	Beam	None	None	None	None	None	None			
PISO2	B460	1534	Beam	None	None	None	None	None	None			
PISO2	B549	1353	Beam	None	None	None	None	None	None			
PISO2	B550	1354	Beam	None	None	None	None	None	None			
PISO2	B552	1355	Beam	None	None	None	None	None	None			
PISO2	B553	1356	Beam	None	None	None	None	None	None			
PISO2	B554	1357	Beam	None	None	None	None	None	None			
PISO2	B556	1358	Beam	None	None	None	None	None	None			
PISO2	B557	1359	Beam	None	None	None	None	None	None			
PISO2	B558	1360	Beam	None	None	None	None	None	None			
PISO2	B706	1361	Beam	None	None	None	None	None	None			
PISO2	B720	1362	Beam	None	None	None	None	None	None			
PISO2	B723	1366	Beam	None	None	None	None	None	None			
PISO2	B725	1367	Beam	None	None	None	None	None	None			
PISO2	B744	1368	Beam	None	None	None	None	None	None			
PISO2	B749	1369	Beam	None	None	None	None	None	None			
PISO2	B861	1370	Beam	None	None	None	None	None	None			
PISO2	B862	1371	Beam	None	None	None	None	None	None			
PISO2	B906	1372	Beam	None	None	None	None	None	None			
PISO2	B909	1373	Beam	None	None	None	None	None	None			
PISO2	B911	1374	Beam	None	None	None	None	None	None			
PISO2	B912	1375	Beam	None	None	None	None	None	None			
PISO2	B914	1376	Beam	None	None	None	None	None	None			
PISO2	B915	1377	Beam	None	None	None	None	None	None			
PISO2	B920	1378	Beam	None	None	None	None	None	None			
PISO2	B921	1379	Beam	None	None	None	None	None	None			
PISO2	B922	1380	Beam	None	None	None	None	None	None			
PISO2	B924	1381	Beam	None	None	None	None	None	None			
PISO2	B925	1382	Beam	None	None	None	None	None	None			
PISO2	B926	1383	Beam	None	None	None	None	None	None			
PISO2	B930	1384	Beam	None	None	None	None	None	None			
PISO2	B933	1385	Beam	None	None	None	None	None	None			
PISO2	B934	1386	Beam	None	None	None	None	None	None			
PISO2	B953	1387	Beam	None	None	None	None	None	None			
PISO2	B954	1388	Beam	None	None	None	None	None	None			
PISO2	B955	1389	Beam	None	None	None	None	None	None			
PISO2	B956	1390	Beam	None	None	None	None	None	None			
PISO2	B957	1391	Beam	None	None	None	None	None	None			
PISO2	B959	1392	Beam	None	None	None	None	None	None			
PISO2	B961	1393	Beam	None	None	None	None	None	None			
PISO2	B962	1394	Beam	None	None	None	None	None	None			
PISO2	B963	1395	Beam	None	None	None	None	None	None			
PISO2	B964	1396	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B965	1397	Beam	None	None	None	None	None	None			
PISO2	B966	1398	Beam	None	None	None	None	None	None			
PISO2	B969	1399	Beam	None	None	None	None	None	None			
PISO2	B970	1400	Beam	None	None	None	None	None	None			
PISO2	B971	1401	Beam	None	None	None	None	None	None			
PISO2	B972	1402	Beam	None	None	None	None	None	None			
PISO2	B973	1403	Beam	None	None	None	None	None	None			
PISO2	B975	1404	Beam	None	None	None	None	None	None			
PISO2	B976	1405	Beam	None	None	None	None	None	None			
PISO2	B977	1406	Beam	None	None	None	None	None	None			
PISO2	B960	1407	Beam	None	None	None	None	None	None			
PISO2	B962	1408	Beam	None	None	None	None	None	None			
PISO2	B963	1409	Beam	None	None	None	None	None	None			
PISO2	B994	1410	Beam	None	None	None	None	None	None			
PISO2	B995	1411	Beam	None	None	None	None	None	None			
PISO2	B1000	1412	Beam	None	None	None	None	None	None			
PISO2	B1001	1418	Beam	None	None	None	None	None	None			
PISO2	B1004	1419	Beam	None	None	None	None	None	None			
PISO2	B1005	1420	Beam	None	None	None	None	None	None			
PISO2	B1008	1421	Beam	None	None	None	None	None	None			
PISO2	B1009	1422	Beam	None	None	None	None	None	None			
PISO2	B1013	1433	Beam	None	None	None	None	None	None			
PISO2	B1016	1434	Beam	None	None	None	None	None	None			
PISO2	B1017	1435	Beam	None	None	None	None	None	None			
PISO2	B1018	1436	Beam	None	None	None	None	None	None			
PISO2	B1021	1437	Beam	None	None	None	None	None	None			
PISO2	B1022	1438	Beam	None	None	None	None	None	None			
PISO2	B1025	1439	Beam	None	None	None	None	None	None			
PISO2	B1026	1440	Beam	None	None	None	None	None	None			
PISO2	B1027	1441	Beam	None	None	None	None	None	None			
PISO2	B1062	1456	Beam	None	None	None	None	None	None			
PISO2	B1065	1457	Beam	None	None	None	None	None	None			
PISO2	B1066	1458	Beam	None	None	None	None	None	None			
PISO2	B1067	1459	Beam	None	None	None	None	None	None			
PISO2	B1068	1460	Beam	None	None	None	None	None	None			
PISO2	B1069	1461	Beam	None	None	None	None	None	None			
PISO2	B1073	1462	Beam	None	None	None	None	None	None			
PISO2	B1074	1463	Beam	None	None	None	None	None	None			
PISO2	B1077	1464	Beam	None	None	None	None	None	None			
PISO2	B1061	1465	Beam	None	None	None	None	None	None			
PISO2	B1062	1466	Beam	None	None	None	None	None	None			
PISO2	B1101	1474	Beam	None	None	None	None	None	None			
PISO2	B1107	1475	Beam	None	None	None	None	None	None			
PISO2	B1108	1476	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1109	1483	Beam	None	None	None	None	None	None			
PISO2	B1113	1484	Beam	None	None	None	None	None	None			
PISO2	B1114	1485	Beam	None	None	None	None	None	None			
PISO2	B1115	1487	Beam	None	None	None	None	None	None			
PISO2	B1116	1493	Beam	None	None	None	None	None	None			
PISO2	B1117	1499	Beam	None	None	None	None	None	None			
PISO2	B1118	1500	Beam	None	None	None	None	None	None			
PISO2	B1123	1501	Beam	None	None	None	None	None	None			
PISO2	B1124	1512	Beam	None	None	None	None	None	None			
PISO2	B1125	1513	Beam	None	None	None	None	None	None			
PISO2	B1129	1521	Beam	None	None	None	None	None	None			
PISO2	B1131	1526	Beam	None	None	None	None	None	None			
PISO2	B1132	1527	Beam	None	None	None	None	None	None			
PISO2	B1133	1528	Beam	None	None	None	None	None	None			
PISO2	B1134	1529	Beam	None	None	None	None	None	None			
PISO2	B519	1555	Beam	None	None	None	End I	End I	End I			
PISO2	B520	1556	Beam	None	None	None	None	End J	End J			
PISO2	B1072	1557	Beam	None	None	None	End I	End I	End I			
PISO2	B1168	1558	Beam	None	None	None	None	End J	End J			
PISO2	B1169	1559	Beam	None	None	None	End I	End I	End I			
PISO2	B1174	1560	Beam	None	None	None	None	End J	End J			
PISO2	B1175	1561	Beam	None	None	None	End I	End I	End I			
PISO2	B1176	1562	Beam	None	None	None	None	End J	End J			
PISO2	B1177	1563	Beam	None	None	None	End I	End I	End I			
PISO2	B1178	1564	Beam	None	None	None	None	End J	End J			
PISO2	B1179	1565	Beam	None	None	None	End I	End I	End I			
PISO2	B1180	1566	Beam	None	None	None	None	End J	End J			
PISO2	B1181	1567	Beam	None	None	None	End I	End I	End I			
PISO2	B1182	1568	Beam	None	None	None	None	End J	End J			
PISO2	B1183	1569	Beam	None	None	None	End I	End I	End I			
PISO2	B1184	1570	Beam	None	None	None	None	End J	End J			
PISO2	B1185	1571	Beam	None	None	None	End I	End I	End I			
PISO2	B1186	1572	Beam	None	None	None	None	End J	End J			
PISO2	B212	37	Beam	None	None	None	None	None	None			
PISO2	B238	38	Beam	None	None	None	End I	Both	Both			
PISO2	B239	39	Beam	None	None	None	End I	Both	Both			
PISO2	B240	40	Beam	None	None	None	End I	Both	Both			
PISO2	B241	69	Beam	None	None	None	End I	Both	Both			
PISO2	B242	70	Beam	None	None	None	End I	Both	Both			
PISO2	B243	71	Beam	None	None	None	End I	Both	Both			
PISO2	B251	72	Beam	None	None	None	End I	Both	Both			
PISO2	B253	74	Beam	None	None	None	End I	Both	Both			
PISO2	B329	75	Beam	None	None	None	End I	Both	Both			
PISO2	B461	76	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B485	77	Beam	None	None	None	End I	Both	Both			
PISO2	B486	78	Beam	None	None	None	End I	Both	Both			
PISO2	B128	233	Beam	None	None	None	End J	Both	Both			
PISO2	B129	234	Beam	None	None	None	End J	Both	Both			
PISO2	B325	235	Beam	None	None	None	End J	Both	Both			
PISO2	B326	236	Beam	None	None	None	End J	Both	Both			
PISO2	B527	237	Beam	None	None	None	End J	Both	Both			
PISO2	B528	238	Beam	None	None	None	End J	Both	Both			
PISO2	B533	239	Beam	None	None	None	End J	Both	Both			
PISO2	B534	240	Beam	None	None	None	End J	Both	Both			
PISO2	B746	241	Beam	None	None	None	End J	Both	Both			
PISO2	B747	242	Beam	None	None	None	End J	Both	Both			
PISO2	B750	243	Beam	None	None	None	End J	Both	Both			
PISO2	B751	244	Beam	None	None	None	End J	Both	Both			
PISO2	B752	245	Beam	None	None	None	End J	Both	Both			
PISO2	B753	246	Beam	None	None	None	End J	Both	Both			
PISO2	B754	247	Beam	None	None	None	End J	Both	Both			
PISO2	B755	248	Beam	None	None	None	End J	Both	Both			
PISO2	B756	249	Beam	None	None	None	End J	Both	Both			
PISO2	B757	250	Beam	None	None	None	End J	Both	Both			
PISO2	B758	251	Beam	None	None	None	End J	Both	Both			
PISO2	B759	252	Beam	None	None	None	End J	Both	Both			
PISO2	B760	253	Beam	None	None	None	End J	Both	Both			
PISO2	B761	254	Beam	None	None	None	End J	Both	Both			
PISO2	B762	54	Beam	None	None	None	End J	Both	Both			
PISO2	B763	260	Beam	None	None	None	End J	Both	Both			
PISO2	B764	56	Beam	None	None	None	End J	Both	Both			
PISO2	B765	262	Beam	None	None	None	End J	Both	Both			
PISO2	B766	256	Beam	None	None	None	End J	Both	Both			
PISO2	B767	264	Beam	None	None	None	End J	Both	Both			
PISO2	B768	258	Beam	None	None	None	End J	Both	Both			
PISO2	B769	266	Beam	None	None	None	End J	Both	Both			
PISO2	B773	263	Beam	None	None	None	End J	Both	Both			
PISO2	B776	297	Beam	None	None	None	End J	Both	Both			
PISO2	B812	290	Beam	None	None	None	End J	Both	Both			
PISO2	B815	293	Beam	None	None	None	End J	Both	Both			
PISO2	B818	296	Beam	None	None	None	End J	Both	Both			
PISO2	B825	301	Beam	None	None	None	End J	Both	Both			
PISO2	B832	313	Beam	None	None	None	End J	Both	Both			
PISO2	B926	316	Beam	None	None	None	End J	Both	Both			
PISO2	B939	1075	Beam	None	None	None	End J	Both	Both			
PISO2	B942	1076	Beam	None	None	None	End J	Both	Both			
PISO2	B1020	1081	Beam	None	None	None	End J	Both	Both			
PISO2	B1026	1085	Beam	None	None	None	End J	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1031	1088	Beam	None	None	None	End J	Both	Both			
PISO2	B1036	1091	Beam	None	None	None	End J	Both	Both			
PISO2	B1039	1094	Beam	None	None	None	End J	Both	Both			
PISO2	B1047	1097	Beam	None	None	None	End J	Both	Both			
PISO2	B1055	1125	Beam	None	None	None	End J	Both	Both			
PISO2	B1061	1443	Beam	None	None	None	End J	Both	Both			
PISO2	B1091	288	Beam	None	None	None	End J	Both	Both			
PISO2	B1092	291	Beam	None	None	None	End J	Both	Both			
PISO2	B1099	294	Beam	None	None	None	End J	Both	Both			
PISO2	B1100	299	Beam	None	None	None	End J	Both	Both			
PISO2	B1150	302	Beam	None	None	None	End J	Both	Both			
PISO2	B1151	314	Beam	None	None	None	End J	Both	Both			
PISO2	B1161	317	Beam	None	None	None	End J	Both	Both			
PISO2	B1162	1073	Beam	None	None	None	End J	Both	Both			
PISO2	B1163	1076	Beam	None	None	None	End J	Both	Both			
PISO2	B1164	1079	Beam	None	None	None	End J	Both	Both			
PISO2	B1165	1082	Beam	None	None	None	End J	Both	Both			
PISO2	B1356	1086	Beam	None	None	None	End J	Both	Both			
PISO2	B1357	1089	Beam	None	None	None	End J	Both	Both			
PISO2	B1413	1092	Beam	None	None	None	End J	Both	Both			
PISO2	B1414	1095	Beam	None	None	None	End J	Both	Both			
PISO2	B1490	1098	Beam	None	None	None	End J	Both	Both			
PISO2	B1491	1126	Beam	None	None	None	End J	Both	Both			
PISO2	B785	1636	Beam	None	None	None	End I	Both	Both			
PISO2	B786	1637	Beam	None	None	None	End I	Both	Both			
PISO2	B787	1638	Beam	None	None	None	End I	Both	Both			
PISO2	B788	1639	Beam	None	None	None	End I	Both	Both			
PISO2	B790	1641	Beam	None	None	None	End I	Both	Both			
PISO2	B791	1642	Beam	None	None	None	End I	Both	Both			
PISO2	B794	1643	Beam	None	None	None	End I	Both	Both			
PISO2	B795	1644	Beam	None	None	None	End I	Both	Both			
PISO2	B797	1645	Beam	None	None	None	End I	Both	Both			
PISO2	B798	1646	Beam	None	None	None	End I	Both	Both			
PISO2	B799	1647	Beam	None	None	None	End I	Both	Both			
PISO2	B800	1648	Beam	None	None	None	End I	Both	Both			
PISO2	B803	1649	Beam	None	None	None	End I	Both	Both			
PISO2	B804	1650	Beam	None	None	None	End I	Both	Both			
PISO2	B805	1651	Beam	None	None	None	End I	Both	Both			
PISO2	B806	1652	Beam	None	None	None	End I	Both	Both			
PISO2	B807	1653	Beam	None	None	None	End I	Both	Both			
PISO2	B808	1654	Beam	None	None	None	End I	Both	Both			
PISO2	B809	1655	Beam	None	None	None	End I	Both	Both			
PISO2	B813	1656	Beam	None	None	None	End I	Both	Both			
PISO2	B814	1657	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1522	56	Beam	None	None	None	End I	Both	Both			
PISO2	B1523	255	Beam	None	None	None	End I	Both	Both			
PISO2	B1524	257	Beam	None	None	None	End I	Both	Both			
PISO2	B1525	259	Beam	None	None	None	End I	Both	Both			
PISO2	B1527	261	Beam	None	None	None	End I	Both	Both			
PISO2	B1528	262	Beam	None	None	None	End I	Both	Both			
PISO2	B1529	264	Beam	None	None	None	End I	Both	Both			
PISO2	B1530	265	Beam	None	None	None	End I	Both	Both			
PISO2	B1531	266	Beam	None	None	None	End I	Both	Both			
PISO2	B1532	267	Beam	None	None	None	End I	Both	Both			
PISO2	B1533	268	Beam	None	None	None	End I	Both	Both			
PISO2	B1534	269	Beam	None	None	None	End I	Both	Both			
PISO2	B1535	270	Beam	None	None	None	End I	Both	Both			
PISO2	B1536	271	Beam	None	None	None	End I	Both	Both			
PISO2	B1537	272	Beam	None	None	None	End I	Both	Both			
PISO2	B1538	273	Beam	None	None	None	End I	Both	Both			
PISO2	B1539	274	Beam	None	None	None	End I	Both	Both			
PISO2	B1540	275	Beam	None	None	None	End I	Both	Both			
PISO2	B1541	276	Beam	None	None	None	End I	Both	Both			
PISO2	B1542	277	Beam	None	None	None	End I	Both	Both			
PISO2	B1543	278	Beam	None	None	None	End I	Both	Both			
PISO2	B1546	1562	Beam	None	None	None	End I	Both	Both			
PISO2	B1547	1563	Beam	None	None	None	End I	Both	Both			
PISO2	B1548	1564	Beam	None	None	None	End I	Both	Both			
PISO2	B1549	1565	Beam	None	None	None	End I	Both	Both			
PISO2	B1550	1566	Beam	None	None	None	End I	Both	Both			
PISO2	B1551	1567	Beam	None	None	None	End I	Both	Both			
PISO2	B1552	1568	Beam	None	None	None	End I	Both	Both			
PISO2	B1553	1592	Beam	None	None	None	End I	Both	Both			
PISO2	B1554	1593	Beam	None	None	None	End I	Both	Both			
PISO2	B1555	1594	Beam	None	None	None	End I	Both	Both			
PISO2	B1556	1595	Beam	None	None	None	End I	Both	Both			
PISO2	B1557	1596	Beam	None	None	None	End I	Both	Both			
PISO2	B1558	1597	Beam	None	None	None	End I	Both	Both			
PISO2	B1559	1598	Beam	None	None	None	End I	Both	Both			
PISO2	B1560	1599	Beam	None	None	None	End I	Both	Both			
PISO2	B1561	1600	Beam	None	None	None	End I	Both	Both			
PISO2	B1562	1601	Beam	None	None	None	End I	Both	Both			
PISO2	B1563	1602	Beam	None	None	None	End I	Both	Both			
PISO2	B1564	1603	Beam	None	None	None	End I	Both	Both			
PISO2	B1565	1604	Beam	None	None	None	End I	Both	Both			
PISO2	B1566	1569	Beam	None	None	None	End I	Both	Both			
PISO2	B1567	1590	Beam	None	None	None	End I	Both	Both			
PISO2	B1568	1591	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1569	1605	Beam	None	None	None	End I	Both	Both			
PISO2	B1570	1606	Beam	None	None	None	End I	Both	Both			
PISO2	B1571	1607	Beam	None	None	None	End I	Both	Both			
PISO2	B1572	1608	Beam	None	None	None	End I	Both	Both			
PISO2	B1573	1609	Beam	None	None	None	End I	Both	Both			
PISO2	B1574	1610	Beam	None	None	None	End I	Both	Both			
PISO2	B1575	1611	Beam	None	None	None	End I	Both	Both			
PISO2	B1576	1612	Beam	None	None	None	End I	Both	Both			
PISO2	B1577	1613	Beam	None	None	None	End I	Both	Both			
PISO2	B1578	1614	Beam	None	None	None	End I	Both	Both			
PISO2	B1579	1615	Beam	None	None	None	End I	Both	Both			
PISO2	B1581	1616	Beam	None	None	None	End I	Both	Both			
PISO2	B1582	1617	Beam	None	None	None	End I	Both	Both			
PISO2	B1583	1618	Beam	None	None	None	End I	Both	Both			
PISO2	B1584	1619	Beam	None	None	None	End I	Both	Both			
PISO2	B1585	1620	Beam	None	None	None	End I	Both	Both			
PISO2	B1586	1621	Beam	None	None	None	End I	Both	Both			
PISO2	B1587	1622	Beam	None	None	None	End I	Both	Both			
PISO2	B1588	1623	Beam	None	None	None	End I	Both	Both			
PISO2	B1589	1624	Beam	None	None	None	End I	Both	Both			
PISO2	B1590	1625	Beam	None	None	None	End I	Both	Both			
PISO2	B1591	1626	Beam	None	None	None	End I	Both	Both			
PISO2	B1592	1627	Beam	None	None	None	End I	Both	Both			
PISO2	B1593	1628	Beam	None	None	None	End I	Both	Both			
PISO2	B1594	1629	Beam	None	None	None	End I	Both	Both			
PISO2	B1595	1630	Beam	None	None	None	End I	Both	Both			
PISO2	B1596	1631	Beam	None	None	None	End I	Both	Both			
PISO2	B1597	1632	Beam	None	None	None	End I	Both	Both			
PISO2	B1598	1633	Beam	None	None	None	End I	Both	Both			
PISO2	B1599	1634	Beam	None	None	None	End I	Both	Both			
PISO2	B1601	1546	Beam	None	None	None	End I	Both	Both			
PISO2	B1602	1547	Beam	None	None	None	End I	Both	Both			
PISO2	B1603	1548	Beam	None	None	None	End I	Both	Both			
PISO2	B1604	1549	Beam	None	None	None	End I	Both	Both			
PISO2	B1605	1550	Beam	None	None	None	End I	Both	Both			
PISO2	B1606	1551	Beam	None	None	None	End I	Both	Both			
PISO2	B1607	1552	Beam	None	None	None	End I	Both	Both			
PISO2	B1608	1553	Beam	None	None	None	End I	Both	Both			
PISO2	B1609	1554	Beam	None	None	None	End I	Both	Both			
PISO2	B1610	1573	Beam	None	None	None	End I	Both	Both			
PISO2	B1611	1574	Beam	None	None	None	End I	Both	Both			
PISO2	B1612	1575	Beam	None	None	None	End I	Both	Both			
PISO2	B1613	1576	Beam	None	None	None	End I	Both	Both			
PISO2	B1614	1577	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1615	1578	Beam	None	None	None	End I	Both	Both			
PISO2	B1616	1579	Beam	None	None	None	End I	Both	Both			
PISO2	B1617	1580	Beam	None	None	None	End I	Both	Both			
PISO2	B1618	1581	Beam	None	None	None	End I	Both	Both			
PISO2	B127	263	Beam	None	None	None	End I	Both	Both			
PISO2	B467	265	Beam	None	None	None	End I	Both	Both			
PISO2	B468	267	Beam	None	None	None	End I	Both	Both			
PISO2	B469	269	Beam	None	None	None	End I	Both	Both			
PISO2	B491	295	Beam	None	None	None	End I	Both	Both			
PISO2	B492	298	Beam	None	None	None	End I	Both	Both			
PISO2	B493	300	Beam	None	None	None	End I	Both	Both			
PISO2	B494	312	Beam	None	None	None	End I	Both	Both			
PISO2	B495	315	Beam	None	None	None	End I	Both	Both			
PISO2	B512	316	Beam	None	None	None	End I	Both	Both			
PISO2	B513	1074	Beam	None	None	None	End I	Both	Both			
PISO2	B516	1077	Beam	None	None	None	End I	Both	Both			
PISO2	B518	1087	Beam	None	None	None	End I	Both	Both			
PISO2	B770	1090	Beam	None	None	None	End I	Both	Both			
PISO2	B771	1093	Beam	None	None	None	End I	Both	Both			
PISO2	B772	1096	Beam	None	None	None	End I	Both	Both			
PISO2	B777	1099	Beam	None	None	None	End I	Both	Both			
PISO2	B778	1442	Beam	None	None	None	End I	Both	Both			
PISO2	B779	1445	Beam	None	None	None	End I	Both	Both			
PISO2	B780	1447	Beam	None	None	None	End I	Both	Both			
PISO2	B781	1446	Beam	None	None	None	End I	Both	Both			
PISO2	B817	1451	Beam	None	None	None	End I	Both	Both			
PISO2	B821	1452	Beam	None	None	None	End I	Both	Both			
PISO2	B822	1453	Beam	None	None	None	End I	Both	Both			
PISO2	B823	1454	Beam	None	None	None	End I	Both	Both			
PISO2	B824	1455	Beam	None	None	None	End I	Both	Both			
PISO2	B826	1467	Beam	None	None	None	End I	Both	Both			
PISO2	B827	1466	Beam	None	None	None	End I	Both	Both			
PISO2	B863	1469	Beam	None	None	None	End I	Both	Both			
PISO2	B903	1470	Beam	None	None	None	End I	Both	Both			
PISO2	B929	1471	Beam	None	None	None	End I	Both	Both			
PISO2	B931	1472	Beam	None	None	None	End I	Both	Both			
PISO2	B937	1473	Beam	None	None	None	End I	Both	Both			
PISO2	B938	1537	Beam	None	None	None	End I	Both	Both			
PISO2	B940	1536	Beam	None	None	None	End I	Both	Both			
PISO2	B941	1539	Beam	None	None	None	End I	Both	Both			
PISO2	B943	1540	Beam	None	None	None	End I	Both	Both			
PISO2	B1019	1541	Beam	None	None	None	End I	Both	Both			
PISO2	B1023	1542	Beam	None	None	None	End I	Both	Both			
PISO2	B1024	1543	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1029	1544	Beam	None	None	None	End I	Both	Both			
PISO2	B1030	1545	Beam	None	None	None	End I	Both	Both			
PISO2	B1032	1635	Beam	None	None	None	End I	Both	Both			
PISO2	B1033	1659	Beam	None	None	None	End I	Both	Both			
PISO2	B1037	1660	Beam	None	None	None	End I	Both	Both			
PISO2	B1038	1661	Beam	None	None	None	End I	Both	Both			
PISO2	B1045	1662	Beam	None	None	None	End I	Both	Both			
PISO2	B1046	1663	Beam	None	None	None	End I	Both	Both			
PISO2	B1048	1664	Beam	None	None	None	End I	Both	Both			
PISO2	B1054	1665	Beam	None	None	None	End I	Both	Both			
PISO2	B1056	1676	Beam	None	None	None	End I	Both	Both			
PISO2	B1059	1667	Beam	None	None	None	End I	Both	Both			
PISO2	B1063	1668	Beam	None	None	None	End I	Both	Both			
PISO2	B1066	1669	Beam	None	None	None	End I	Both	Both			
PISO2	B1191	1670	Beam	None	None	None	End I	Both	Both			
PISO2	B1193	1671	Beam	None	None	None	End I	Both	Both			
PISO2	B1195	1672	Beam	None	None	None	End I	Both	Both			
PISO2	B1197	1673	Beam	None	None	None	None	None	None			
PISO2	B1334	1675	Beam	None	None	None	None	None	None			
PISO2	B1335	1677	Beam	None	None	None	None	None	None			
PISO2	B1336	1678	Beam	None	None	None	None	None	None			
PISO2	B1337	1679	Beam	None	None	None	End I	Both	Both			
PISO2	B1338	1680	Beam	None	None	None	End I	Both	Both			
PISO2	B1339	1681	Beam	None	None	None	End I	Both	Both			
PISO2	B1340	1682	Beam	None	None	None	End I	Both	Both			
PISO2	B1341	1683	Beam	None	None	None	End I	Both	Both			
PISO2	B1342	1684	Beam	None	None	None	End I	Both	Both			
PISO2	B1343	1685	Beam	None	None	None	End I	Both	Both			
PISO2	B1344	1686	Beam	None	None	None	End I	Both	Both			
PISO2	B1345	1688	Beam	None	None	None	End I	Both	Both			
PISO2	B1346	1689	Beam	None	None	None	End I	Both	Both			
PISO2	B1348	1690	Beam	None	None	None	End I	Both	Both			
PISO2	B1349	1691	Beam	None	None	None	End I	Both	Both			
PISO2	B1355	1692	Beam	None	None	None	End I	Both	Both			
PISO2	B1395	1693	Beam	None	None	None	End I	Both	Both			
PISO2	B1400	1694	Beam	None	None	None	End I	Both	Both			
PISO2	B1401	1695	Beam	None	None	None	End I	Both	Both			
PISO2	B1402	1696	Beam	None	None	None	End I	Both	Both			
PISO2	B1403	1697	Beam	None	None	None	End I	Both	Both			
PISO2	B1406	1698	Beam	None	None	None	End I	Both	Both			
PISO2	B1407	1699	Beam	None	None	None	End I	Both	Both			
PISO2	B1408	1700	Beam	None	None	None	End I	Both	Both			
PISO2	B1409	1701	Beam	None	None	None	End I	Both	Both			
PISO2	B1410	1702	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1411	1703	Beam	None	None	None	End I	Both	Both			
PISO2	B1412	1704	Beam	None	None	None	End I	Both	Both			
PISO2	B1493	1705	Beam	None	None	None	End I	Both	Both			
PISO2	B1494	1706	Beam	None	None	None	End I	Both	Both			
PISO2	B1495	1707	Beam	None	None	None	End I	Both	Both			
PISO2	B1496	1708	Beam	None	None	None	End I	Both	Both			
PISO2	B1497	1709	Beam	None	None	None	End I	Both	Both			
PISO2	B1498	1710	Beam	None	None	None	End I	Both	Both			
PISO2	B1499	1711	Beam	None	None	None	End I	Both	Both			
PISO2	B1500	1712	Beam	None	None	None	End I	Both	Both			
PISO2	B1501	1713	Beam	None	None	None	End I	Both	Both			
PISO2	B1502	232	Beam	None	None	None	End J	Both	Both			
PISO2	B1503	1446	Beam	None	None	None	End J	Both	Both			
PISO2	B1504	278	Beam	None	None	None	End I	Both	Both			
PISO2	B1505	1714	Beam	None	None	None	End I	Both	Both			
PISO2	B1506	1715	Beam	None	None	None	End I	Both	Both			
PISO2	B1507	1716	Beam	None	None	None	End I	Both	Both			
PISO2	B1508	1717	Beam	None	None	None	End I	Both	Both			
PISO2	B1509	1718	Beam	None	None	None	End I	Both	Both			
PISO2	B1510	1719	Beam	None	None	None	End I	Both	Both			
PISO2	B1511	1720	Beam	None	None	None	End I	Both	Both			
PISO2	B1512	1721	Beam	None	None	None	End I	Both	Both			
PISO2	B1513	1722	Beam	None	None	None	End I	Both	Both			
PISO2	B1514	1723	Beam	None	None	None	End I	Both	Both			
PISO2	B1515	1724	Beam	None	None	None	End I	Both	Both			
PISO2	B1516	1725	Beam	None	None	None	End I	Both	Both			
PISO2	B1517	1726	Beam	None	None	None	End I	Both	Both			
PISO2	B1518	1727	Beam	None	None	None	End I	Both	Both			
PISO2	B1519	1728	Beam	None	None	None	End I	Both	Both			
PISO2	B1520	1729	Beam	None	None	None	End I	Both	Both			
PISO2	B1521	1730	Beam	None	None	None	End I	Both	Both			
PISO2	B1636	1746	Beam	None	None	None	End I	Both	Both			
PISO2	B1637	1749	Beam	None	None	None	End I	Both	Both			
PISO2	B1638	1750	Beam	None	None	None	End I	Both	Both			
PISO2	B1639	1751	Beam	None	None	None	End I	Both	Both			
PISO2	B1640	1752	Beam	None	None	None	End I	Both	Both			
PISO2	B1641	1753	Beam	None	None	None	End I	Both	Both			
PISO2	B1642	1754	Beam	None	None	None	End I	Both	Both			
PISO2	B1643	1755	Beam	None	None	None	End I	Both	Both			
PISO2	B1644	1756	Beam	None	None	None	End I	Both	Both			
PISO2	B1645	1757	Beam	None	None	None	End I	Both	Both			
PISO2	B1646	1758	Beam	None	None	None	End I	Both	Both			
PISO2	B1647	1759	Beam	None	None	None	End I	Both	Both			
PISO2	B1648	1760	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1649	1761	Beam	None	None	None	End I	Both	Both			
PISO2	B1650	1762	Beam	None	None	None	End I	Both	Both			
PISO2	B1651	1763	Beam	None	None	None	End I	Both	Both			
PISO2	B1668	1780	Beam	None	None	None	End I	Both	Both			
PISO2	B1669	1781	Beam	None	None	None	End I	Both	Both			
PISO2	B1670	1782	Beam	None	None	None	End I	Both	Both			
PISO2	B1671	1783	Beam	None	None	None	End I	Both	Both			
PISO2	B1672	1784	Beam	None	None	None	End I	Both	Both			
PISO2	B1673	1785	Beam	None	None	None	End I	Both	Both			
PISO2	B1674	1786	Beam	None	None	None	End I	Both	Both			
PISO2	B1675	1787	Beam	None	None	None	End I	Both	Both			
PISO2	B1676	1788	Beam	None	None	None	End I	Both	Both			
PISO2	B1677	1789	Beam	None	None	None	End I	Both	Both			
PISO2	B1678	1790	Beam	None	None	None	End I	Both	Both			
PISO2	B1679	1791	Beam	None	None	None	End I	Both	Both			
PISO2	B1680	1792	Beam	None	None	None	End I	Both	Both			
PISO2	B1681	1793	Beam	None	None	None	End I	Both	Both			
PISO2	B1682	1794	Beam	None	None	None	End I	Both	Both			
PISO2	B1683	1795	Beam	None	None	None	End I	Both	Both			
PISO2	B1684	1796	Beam	None	None	None	End I	Both	Both			
PISO2	B1685	1797	Beam	None	None	None	End I	Both	Both			
PISO2	B1686	1798	Beam	None	None	None	End I	Both	Both			
PISO2	B1687	1799	Beam	None	None	None	End I	Both	Both			
PISO2	B1688	1800	Beam	None	None	None	End I	Both	Both			
PISO2	B1689	1801	Beam	None	None	None	End I	Both	Both			
PISO2	B1690	1802	Beam	None	None	None	End I	Both	Both			
PISO2	B1691	1803	Beam	None	None	None	End I	Both	Both			
PISO2	B1692	1804	Beam	None	None	None	End I	Both	Both			
PISO2	B1693	1805	Beam	None	None	None	End I	Both	Both			
PISO2	B1694	1806	Beam	None	None	None	End I	Both	Both			
PISO2	B1695	1807	Beam	None	None	None	End I	Both	Both			
PISO2	B1696	1808	Beam	None	None	None	End I	Both	Both			
PISO2	B1697	1809	Beam	None	None	None	End I	Both	Both			
PISO2	B1698	1810	Beam	None	None	None	End I	Both	Both			
PISO2	B1699	1811	Beam	None	None	None	End I	Both	Both			
PISO2	B1700	1812	Beam	None	None	None	End I	Both	Both			
PISO2	B1792	1731	Beam	None	None	None	End I	Both	Both			
PISO2	B1793	1732	Beam	None	None	None	End I	Both	Both			
PISO2	B1794	1733	Beam	None	None	None	End I	Both	Both			
PISO2	B1795	1734	Beam	None	None	None	End I	Both	Both			
PISO2	B1796	1735	Beam	None	None	None	End I	Both	Both			
PISO2	B1797	1736	Beam	None	None	None	End I	Both	Both			
PISO2	B1798	1737	Beam	None	None	None	End I	Both	Both			
PISO2	B1799	1738	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1600	1739	Beam	None	None	None	End I	Both	Both			
PISO2	B1601	1740	Beam	None	None	None	End I	Both	Both			
PISO2	B1602	1741	Beam	None	None	None	End I	Both	Both			
PISO2	B1603	1742	Beam	None	None	None	End I	Both	Both			
PISO2	B1604	1743	Beam	None	None	None	End I	Both	Both			
PISO2	B1605	1744	Beam	None	None	None	End I	Both	Both			
PISO2	B1606	1745	Beam	None	None	None	End I	Both	Both			
PISO2	B1607	1746	Beam	None	None	None	End I	Both	Both			
PISO2	B1608	1747	Beam	None	None	None	End I	Both	Both			
PISO2	B1609	1764	Beam	None	None	None	End I	Both	Both			
PISO2	B1610	1765	Beam	None	None	None	End I	Both	Both			
PISO2	B1611	1766	Beam	None	None	None	End I	Both	Both			
PISO2	B1612	1767	Beam	None	None	None	End I	Both	Both			
PISO2	B1613	1768	Beam	None	None	None	End I	Both	Both			
PISO2	B1614	1769	Beam	None	None	None	End I	Both	Both			
PISO2	B1615	1770	Beam	None	None	None	End I	Both	Both			
PISO2	B1616	1771	Beam	None	None	None	End I	Both	Both			
PISO2	B1617	1772	Beam	None	None	None	End I	Both	Both			
PISO2	B1618	1773	Beam	None	None	None	End I	Both	Both			
PISO2	B1619	1774	Beam	None	None	None	End I	Both	Both			
PISO2	B1620	1775	Beam	None	None	None	End I	Both	Both			
PISO2	B1621	1776	Beam	None	None	None	End I	Both	Both			
PISO2	B1622	1777	Beam	None	None	None	End I	Both	Both			
PISO2	B1623	1778	Beam	None	None	None	End I	Both	Both			
PISO2	B1624	1779	Beam	None	None	None	End I	Both	Both			
PISO2	B1625	1813	Beam	None	None	None	End I	Both	Both			
PISO2	B1626	1814	Beam	None	None	None	End I	Both	Both			
PISO2	B1627	1815	Beam	None	None	None	End I	Both	Both			
PISO2	B1628	1816	Beam	None	None	None	End I	Both	Both			
PISO2	B1629	1817	Beam	None	None	None	End I	Both	Both			
PISO2	B1630	1818	Beam	None	None	None	End I	Both	Both			
PISO2	B1631	1819	Beam	None	None	None	End I	Both	Both			
PISO2	B1632	1820	Beam	None	None	None	End I	Both	Both			
PISO2	B1633	1821	Beam	None	None	None	End I	Both	Both			
PISO2	B1634	1822	Beam	None	None	None	End I	Both	Both			
PISO2	B1635	1823	Beam	None	None	None	End I	Both	Both			
PISO2	B1636	1824	Beam	None	None	None	End I	Both	Both			
PISO2	B1637	1825	Beam	None	None	None	End I	Both	Both			
PISO2	B1638	1826	Beam	None	None	None	End I	Both	Both			
PISO2	B1639	1827	Beam	None	None	None	End I	Both	Both			
PISO2	B1640	1828	Beam	None	None	None	End I	Both	Both			
PISO2	B1641	1829	Beam	None	None	None	End I	Both	Both			
PISO2	B1642	1830	Beam	None	None	None	End I	Both	Both			
PISO2	B1643	1831	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1644	1632	Beam	None	None	None	End I	Both	Both			
PISO2	B1645	1633	Beam	None	None	None	End I	Both	Both			
PISO2	B1646	1634	Beam	None	None	None	End I	Both	Both			
PISO2	B1647	1635	Beam	None	None	None	End I	Both	Both			
PISO2	B1648	1636	Beam	None	None	None	End I	Both	Both			
PISO2	B1649	1637	Beam	None	None	None	End I	Both	Both			
PISO2	B1650	1638	Beam	None	None	None	End I	Both	Both			
PISO2	B1651	1639	Beam	None	None	None	End I	Both	Both			
PISO2	B1652	1640	Beam	None	None	None	End I	Both	Both			
PISO2	B1653	1641	Beam	None	None	None	End I	Both	Both			
PISO2	B1654	1642	Beam	None	None	None	End I	Both	Both			
PISO2	B1655	1643	Beam	None	None	None	End I	Both	Both			
PISO2	B1656	1644	Beam	None	None	None	End I	Both	Both			
PISO2	B1657	1645	Beam	None	None	None	End I	Both	Both			
PISO2	B1658	1671	Beam	None	None	None	End I	Both	Both			
PISO2	B1659	1672	Beam	None	None	None	End I	Both	Both			
PISO2	B1660	1673	Beam	None	None	None	End I	Both	Both			
PISO2	B1661	1674	Beam	None	None	None	End I	Both	Both			
PISO2	B1662	1675	Beam	None	None	None	End I	Both	Both			
PISO2	B1663	1676	Beam	None	None	None	End I	Both	Both			
PISO2	B1664	1677	Beam	None	None	None	End I	Both	Both			
PISO2	B1665	1678	Beam	None	None	None	End I	Both	Both			
PISO2	B1666	1679	Beam	None	None	None	End I	Both	Both			
PISO2	B1667	1680	Beam	None	None	None	End I	Both	Both			
PISO2	B1668	1681	Beam	None	None	None	End I	Both	Both			
PISO2	B1669	1682	Beam	None	None	None	End I	Both	Both			
PISO2	B1670	1683	Beam	None	None	None	End I	Both	Both			
PISO2	B1671	1684	Beam	None	None	None	End I	Both	Both			
PISO2	B1672	1685	Beam	None	None	None	End I	Both	Both			
PISO2	B1673	1686	Beam	None	None	None	End I	Both	Both			
PISO2	B1674	1687	Beam	None	None	None	End I	Both	Both			
PISO2	B1675	1688	Beam	None	None	None	End I	Both	Both			
PISO2	B1676	1689	Beam	None	None	None	End I	Both	Both			
PISO2	B1677	1690	Beam	None	None	None	End I	Both	Both			
PISO2	B1678	1691	Beam	None	None	None	End I	Both	Both			
PISO2	B1679	1692	Beam	None	None	None	End I	Both	Both			
PISO2	B1680	1693	Beam	None	None	None	End I	Both	Both			
PISO2	B1681	1694	Beam	None	None	None	End I	Both	Both			
PISO2	B1682	1695	Beam	None	None	None	End I	Both	Both			
PISO2	B1683	1696	Beam	None	None	None	End I	Both	Both			
PISO2	B1684	1697	Beam	None	None	None	End I	Both	Both			
PISO2	B1685	1698	Beam	None	None	None	End I	Both	Both			
PISO2	B1686	1699	Beam	None	None	None	End I	Both	Both			
PISO2	B1687	1900	Beam	None	None	None	End I	Both	Both			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1688	1901	Beam	None	None	None	End I	Both	Both			
PISO2	B1689	1902	Beam	None	None	None	End I	Both	Both			
PISO2	B1690	1903	Beam	None	None	None	End I	Both	Both			
PISO2	B1691	1904	Beam	None	None	None	End I	Both	Both			
PISO2	B1692	1905	Beam	None	None	None	End I	Both	Both			
PISO2	B1693	1906	Beam	None	None	None	End I	Both	Both			
PISO2	B1694	1907	Beam	None	None	None	End I	Both	Both			
PISO2	B1695	1908	Beam	None	None	None	End I	Both	Both			
PISO2	B1696	1909	Beam	None	None	None	End I	Both	Both			
PISO2	B1697	1910	Beam	None	None	None	End I	Both	Both			
PISO2	B1698	1911	Beam	None	None	None	End I	Both	Both			
PISO2	B1699	1912	Beam	None	None	None	End I	Both	Both			
PISO2	B1900	1913	Beam	None	None	None	End I	Both	Both			
PISO2	B517	261	Beam	None	None	None	End I	Both	Both			
PISO2	B782	1050	Beam	None	None	None	End I	Both	Both			
PISO2	B796	1054	Beam	None	None	None	End I	Both	Both			
PISO2	B516	1444	Beam	None	None	None	End I	Both	Both			
PISO2	B1090	1449	Beam	None	None	None	End I	Both	Both			
PISO2	B1628	1450	Beam	None	None	None	End I	Both	Both			
PISO2	B1629	1666	Beam	None	None	None	End I	Both	Both			
PISO2	B1630	1674	Beam	None	None	None	End I	Both	Both			
PISO2	B1631	1646	Beam	None	None	None	End I	Both	Both			
PISO2	B1632	1647	Beam	None	None	None	End I	Both	Both			
PISO2	B1633	1648	Beam	None	None	None	End I	Both	Both			
PISO2	B1634	1649	Beam	None	None	None	End I	Both	Both			
PISO2	B1635	1650	Beam	None	None	None	End I	Both	Both			
PISO2	B1652	1651	Beam	None	None	None	End I	Both	Both			
PISO2	B1653	1652	Beam	None	None	None	End I	Both	Both			
PISO2	B1654	1653	Beam	None	None	None	End I	Both	Both			
PISO2	B1655	1654	Beam	None	None	None	End I	Both	Both			
PISO2	B1656	1655	Beam	None	None	None	End I	Both	Both			
PISO2	B1657	1656	Beam	None	None	None	End I	Both	Both			
PISO2	B1544	1640	Beam	None	None	None	End I	Both	Both			
PISO2	B1545	292	Beam	None	None	None	End I	Both	Both			
PISO2	B1620	260	Beam	None	None	None	End I	Both	Both			
PISO2	B1722	1957	Beam	None	None	None	None	None	None			
PISO2	B1723	1958	Beam	None	None	None	None	None	None			
PISO2	B1724	1959	Beam	None	None	None	None	None	None			
PISO2	B1725	1960	Beam	None	None	None	None	None	None			
PISO2	B1726	1961	Beam	None	None	None	None	None	None			
PISO2	B1727	1962	Beam	None	None	None	None	None	None			
PISO2	B1728	1963	Beam	None	None	None	None	None	None			
PISO2	B1729	1964	Beam	None	None	None	None	None	None			
PISO2	B1730	1965	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
PISO2	B1731	1966	Beam	None	None	None	None	None	None			
PISO2	B1732	1965	Beam	None	None	None	None	None	None			
PISO2	B1733	606	Beam	None	None	None	End I	Both	Both			
PISO2	B133	61	Beam	None	None	None	None	None	None			
PISO2	B134	63	Beam	None	None	None	None	None	None			

Table 3.2 - Frame Assignments - Releases (Part 2 of 2)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	C1	2								
CUBIERTA	C4	4								
CUBIERTA	C9	10								
CUBIERTA	C10	12								
CUBIERTA	C11	14								
CUBIERTA	C12	16								
CUBIERTA	C13	18								
CUBIERTA	C14	20								
CUBIERTA	C15	22								
CUBIERTA	C16	24								
CUBIERTA	C32	6								
CUBIERTA	C33	8								
PISO2	C1	1								
PISO2	C4	3								
PISO2	C9	9								
PISO2	C10	11								
PISO2	C11	13								
PISO2	C12	15								
PISO2	C13	17								
PISO2	C14	19								
PISO2	C15	21								
PISO2	C16	23								
PISO2	C3	25								
PISO2	C5	26								
PISO2	C6	27								
PISO2	C17	28								
PISO2	C19	29								
PISO2	C20	30								
PISO2	C21	31								
PISO2	C22	32								
PISO2	C18	33								
PISO2	C23	34								
PISO2	C24	35								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	C25	36								
PISO2	C29	53								
PISO2	C30	55								
PISO2	C31	57								
PISO2	C32	5								
PISO2	C33	7								
PISO2	C6	73								
CUBIERTA	B1	1239								
CUBIERTA	B2	1242								
CUBIERTA	B3	1245								
CUBIERTA	B4	1248								
CUBIERTA	B15	1238								
CUBIERTA	B16	1241								
CUBIERTA	B17	1244								
CUBIERTA	B18	1247								
CUBIERTA	B19	1240								
CUBIERTA	B20	1243								
CUBIERTA	B21	1246								
CUBIERTA	B22	1249								
CUBIERTA	B26	720								
CUBIERTA	B40	636								
CUBIERTA	B456	611								
CUBIERTA	B464	614								
CUBIERTA	B157	652								
CUBIERTA	B158	653								
CUBIERTA	B175	654								
CUBIERTA	B179	655								
CUBIERTA	B161	656								
CUBIERTA	B165	644								
CUBIERTA	B167	645								
CUBIERTA	B192	646								
CUBIERTA	B209	647								
CUBIERTA	B320	648								
CUBIERTA	B497	657								
CUBIERTA	B498	658								
CUBIERTA	B499	659								
CUBIERTA	B500	660								
CUBIERTA	B501	661								
CUBIERTA	B502	662								
CUBIERTA	B522	663								
CUBIERTA	B523	664								
CUBIERTA	B524	665								
CUBIERTA	B525	666								
CUBIERTA	B526	667								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B535	669								
CUBIERTA	B539	673								
CUBIERTA	B543	677								
CUBIERTA	B547	681								
CUBIERTA	B551	685								
CUBIERTA	B555	689								
CUBIERTA	B576	693								
CUBIERTA	B561	694								
CUBIERTA	B566	695								
CUBIERTA	B635	696								
CUBIERTA	B636	697								
CUBIERTA	B637	698								
CUBIERTA	B666	699								
CUBIERTA	B667	700								
CUBIERTA	B668	701								
CUBIERTA	B687	702								
CUBIERTA	B699	703								
CUBIERTA	B700	704								
CUBIERTA	B704	705								
CUBIERTA	B705	706								
CUBIERTA	B706	707								
CUBIERTA	B726	708								
CUBIERTA	B727	709								
CUBIERTA	B728	710								
CUBIERTA	B729	711								
CUBIERTA	B740	712								
CUBIERTA	B741	713								
CUBIERTA	B742	714								
CUBIERTA	B745	716								
CUBIERTA	B105	721								
CUBIERTA	B837	727								
CUBIERTA	B838	728								
CUBIERTA	B839	729								
CUBIERTA	B840	730								
CUBIERTA	B841	731								
CUBIERTA	B864	724								
CUBIERTA	B869	732								
CUBIERTA	B870	733								
CUBIERTA	B871	734								
CUBIERTA	B879	742								
CUBIERTA	B1034	769								
CUBIERTA	B1035	773								
CUBIERTA	B1040	826								
CUBIERTA	B1041	826								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B1042	630								
CUBIERTA	B1043	770								
CUBIERTA	B1044	774								
CUBIERTA	B1049	627								
CUBIERTA	B1050	629								
CUBIERTA	B1051	631								
CUBIERTA	B1052	763								
CUBIERTA	B1053	769								
CUBIERTA	B1057	613								
CUBIERTA	B1058	619								
CUBIERTA	B1060	636								
CUBIERTA	B1070	764								
CUBIERTA	B1071	790								
CUBIERTA	B1075	614								
CUBIERTA	B1076	620								
CUBIERTA	B1078	635								
CUBIERTA	B1079	765								
CUBIERTA	B1080	791								
CUBIERTA	B1084	615								
CUBIERTA	B1085	621								
CUBIERTA	B1087	634								
CUBIERTA	B1088	766								
CUBIERTA	B1089	792								
CUBIERTA	B1093	616								
CUBIERTA	B1094	622								
CUBIERTA	B1096	633								
CUBIERTA	B1097	767								
CUBIERTA	B1098	793								
CUBIERTA	B1102	617								
CUBIERTA	B1103	623								
CUBIERTA	B1104	632								
CUBIERTA	B1105	768								
CUBIERTA	B1106	794								
CUBIERTA	B1110	618								
CUBIERTA	B1121	772								
CUBIERTA	B1122	776								
CUBIERTA	B1126	625								
CUBIERTA	B62	637								
CUBIERTA	B156	646								
CUBIERTA	B462	645								
CUBIERTA	B702	644								
CUBIERTA	B707	643								
CUBIERTA	B833	642								
CUBIERTA	B834	641								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B635	640								
CUBIERTA	B636	647								
CUBIERTA	B674	648								
CUBIERTA	B675	649								
CUBIERTA	B676	650								
CUBIERTA	B677	651								
CUBIERTA	B678	652								
CUBIERTA	B660	653								
CUBIERTA	B150	654								
CUBIERTA	B1219	670								
CUBIERTA	B1220	675								
CUBIERTA	B1221	690								
CUBIERTA	B1222	695								
CUBIERTA	B1223	905								
CUBIERTA	B1224	671								
CUBIERTA	B1225	676								
CUBIERTA	B1226	691								
CUBIERTA	B1227	696								
CUBIERTA	B1228	906								
CUBIERTA	B1229	672								
CUBIERTA	B1230	677								
CUBIERTA	B1231	692								
CUBIERTA	B1232	697								
CUBIERTA	B1233	907								
CUBIERTA	B1234	673								
CUBIERTA	B1235	678								
CUBIERTA	B1236	693								
CUBIERTA	B1237	698								
CUBIERTA	B1238	908								
CUBIERTA	B1244	655								
CUBIERTA	B1245	915								
CUBIERTA	B1246	925								
CUBIERTA	B1247	935								
CUBIERTA	B1248	945								
CUBIERTA	B1249	656								
CUBIERTA	B1250	916								
CUBIERTA	B1251	926								
CUBIERTA	B1252	936								
CUBIERTA	B1253	946								
CUBIERTA	B1254	657								
CUBIERTA	B1255	917								
CUBIERTA	B1256	927								
CUBIERTA	B1257	937								
CUBIERTA	B1258	947								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B1264	658								
CUBIERTA	B1265	916								
CUBIERTA	B1266	926								
CUBIERTA	B1267	936								
CUBIERTA	B1268	946								
CUBIERTA	B1269	659								
CUBIERTA	B1270	919								
CUBIERTA	B1271	929								
CUBIERTA	B1272	939								
CUBIERTA	B1273	949								
CUBIERTA	B1274	660								
CUBIERTA	B1275	920								
CUBIERTA	B1276	930								
CUBIERTA	B1277	940								
CUBIERTA	B1278	950								
CUBIERTA	B1289	661								
CUBIERTA	B1290	921								
CUBIERTA	B1291	931								
CUBIERTA	B1292	941								
CUBIERTA	B1293	951								
CUBIERTA	B1294	662								
CUBIERTA	B1295	922								
CUBIERTA	B1296	932								
CUBIERTA	B1297	942								
CUBIERTA	B1298	952								
CUBIERTA	B1299	663								
CUBIERTA	B1300	923								
CUBIERTA	B1301	933								
CUBIERTA	B1302	943								
CUBIERTA	B1303	953								
CUBIERTA	B1304	664								
CUBIERTA	B1305	924								
CUBIERTA	B1306	934								
CUBIERTA	B1307	944								
CUBIERTA	B1308	954								
CUBIERTA	B1309	665								
CUBIERTA	B1310	650								
CUBIERTA	B1311	655								
CUBIERTA	B1312	900								
CUBIERTA	B1313	910								
CUBIERTA	B1314	666								
CUBIERTA	B1315	651								
CUBIERTA	B1316	656								
CUBIERTA	B1317	901								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B1318	911								
CUBIERTA	B1319	667								
CUBIERTA	B1320	662								
CUBIERTA	B1321	667								
CUBIERTA	B1322	902								
CUBIERTA	B1323	912								
CUBIERTA	B1324	666								
CUBIERTA	B1325	663								
CUBIERTA	B1326	666								
CUBIERTA	B1327	903								
CUBIERTA	B1328	913								
CUBIERTA	B1329	669								
CUBIERTA	B1330	664								
CUBIERTA	B1331	669								
CUBIERTA	B1332	904								
CUBIERTA	B1333	914								
CUBIERTA	B1152	1046								
CUBIERTA	B1153	1047								
CUBIERTA	B1154	1048								
CUBIERTA	B1155	1049								
CUBIERTA	B1156	1050								
CUBIERTA	B1157	1051								
CUBIERTA	B1158	1052								
CUBIERTA	B1159	1053								
CUBIERTA	B1160	1054								
CUBIERTA	B1198	974								
CUBIERTA	B1199	976								
CUBIERTA	B1200	978								
CUBIERTA	B1201	960								
CUBIERTA	B1202	963								
CUBIERTA	B1203	965								
CUBIERTA	B1204	969								
CUBIERTA	B1205	992								
CUBIERTA	B1206	995								
CUBIERTA	B1207	998								
CUBIERTA	B1208	1001								
CUBIERTA	B1209	1004								
CUBIERTA	B1210	1007								
CUBIERTA	B1212	1011								
CUBIERTA	B1213	1013								
CUBIERTA	B1215	956								
CUBIERTA	B1216	957								
CUBIERTA	B1217	958								
CUBIERTA	B1218	959								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B1259	960								
CUBIERTA	B1260	961								
CUBIERTA	B1261	962								
CUBIERTA	B1262	963								
CUBIERTA	B1263	964								
CUBIERTA	B1279	965								
CUBIERTA	B1260	966								
CUBIERTA	B1261	967								
CUBIERTA	B1262	968								
CUBIERTA	B1264	970								
CUBIERTA	B1265	971								
CUBIERTA	B6	955								
CUBIERTA	B10	972								
CUBIERTA	B113	969								
CUBIERTA	B117	1009								
CUBIERTA	B7	737								
CUBIERTA	B9	738								
CUBIERTA	B11	739								
CUBIERTA	B13	740								
CUBIERTA	B14	741								
CUBIERTA	B23	743								
CUBIERTA	B24	744								
CUBIERTA	B25	745								
CUBIERTA	B30	1166								
CUBIERTA	B31	750								
CUBIERTA	B32	753								
CUBIERTA	B33	756								
CUBIERTA	B34	759								
CUBIERTA	B35	762								
CUBIERTA	B37	725								
CUBIERTA	B38	726								
CUBIERTA	B39	746								
CUBIERTA	B41	749								
CUBIERTA	B42	751								
CUBIERTA	B43	752								
CUBIERTA	B44	754								
CUBIERTA	B45	755								
CUBIERTA	B46	757								
CUBIERTA	B47	758								
CUBIERTA	B48	760								
CUBIERTA	B49	761								
CUBIERTA	B50	735								
CUBIERTA	B51	736								
CUBIERTA	B52	748								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B53	747								
CUBIERTA	B56	776								
CUBIERTA	B64	787								
CUBIERTA	B65	788								
CUBIERTA	B66	795								
CUBIERTA	B67	796								
CUBIERTA	B68	797								
CUBIERTA	B69	798								
CUBIERTA	B71	799								
CUBIERTA	B72	800								
CUBIERTA	B26	722								
CUBIERTA	B29	723								
CUBIERTA	B60	760								
CUBIERTA	B62	762								
CUBIERTA	B63	763								
CUBIERTA	B64	764								
CUBIERTA	B65	765								
CUBIERTA	B66	766								
CUBIERTA	B67	601								
CUBIERTA	B68	602								
CUBIERTA	B69	603								
CUBIERTA	B90	604								
CUBIERTA	B91	605								
CUBIERTA	B92	606								
CUBIERTA	B93	607								
CUBIERTA	B94	608								
CUBIERTA	B95	609								
CUBIERTA	B96	610								
CUBIERTA	B97	611								
CUBIERTA	B98	612								
CUBIERTA	B101	1188								
CUBIERTA	B104	1190								
CUBIERTA	B106	1192								
CUBIERTA	B111	1194								
CUBIERTA	B116	1196								
CUBIERTA	B121	1198								
CUBIERTA	B124	1200								
CUBIERTA	B125	1187								
CUBIERTA	B126	1189								
CUBIERTA	B131	1191								
CUBIERTA	B132	1193								
CUBIERTA	B135	1195								
CUBIERTA	B137	1197								
CUBIERTA	B136	1199								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B139	1201								
CUBIERTA	B147	1202								
CUBIERTA	B149	771								
CUBIERTA	B152	775								
CUBIERTA	B154	777								
CUBIERTA	B155	779								
CUBIERTA	B159	781								
CUBIERTA	B161	624								
CUBIERTA	B162	1221								
CUBIERTA	B165	1203								
CUBIERTA	B169	1204								
CUBIERTA	B170	1205								
CUBIERTA	B171	1206								
CUBIERTA	B175	1207								
CUBIERTA	B180	1208								
CUBIERTA	B59	625								
CUBIERTA	B60	626								
CUBIERTA	B73	627								
CUBIERTA	B74	628								
CUBIERTA	B75	629								
CUBIERTA	B76	630								
CUBIERTA	B77	631								
CUBIERTA	B78	632								
CUBIERTA	B79	1210								
CUBIERTA	B81	617								
CUBIERTA	B99	618								
CUBIERTA	B100	619								
CUBIERTA	B102	620								
CUBIERTA	B103	621								
CUBIERTA	B106	622								
CUBIERTA	B107	623								
CUBIERTA	B109	624								
CUBIERTA	B217	612								
CUBIERTA	B218	613								
CUBIERTA	B219	615								
CUBIERTA	B220	616								
CUBIERTA	B221	633								
CUBIERTA	B222	634								
CUBIERTA	B223	635								
CUBIERTA	B224	636								
CUBIERTA	B225	637								
CUBIERTA	B226	638								
CUBIERTA	B229	639								
CUBIERTA	B233	640								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B235	641								
CUBIERTA	B236	642								
CUBIERTA	B237	643								
CUBIERTA	B244	1211								
CUBIERTA	B245	1212								
CUBIERTA	B246	1213								
CUBIERTA	B265	649								
CUBIERTA	B262	666								
CUBIERTA	B263	670								
CUBIERTA	B265	674								
CUBIERTA	B267	676								
CUBIERTA	B269	682								
CUBIERTA	B291	686								
CUBIERTA	B293	690								
CUBIERTA	B295	715								
CUBIERTA	B296	717								
CUBIERTA	B298	650								
CUBIERTA	B299	651								
CUBIERTA	B300	671								
CUBIERTA	B301	672								
CUBIERTA	B302	675								
CUBIERTA	B303	676								
CUBIERTA	B304	679								
CUBIERTA	B305	680								
CUBIERTA	B321	683								
CUBIERTA	B322	684								
CUBIERTA	B323	687								
CUBIERTA	B324	688								
CUBIERTA	B331	691								
CUBIERTA	B332	692								
CUBIERTA	B333	1214								
CUBIERTA	B334	1215								
CUBIERTA	B335	1216								
CUBIERTA	B336	1217								
CUBIERTA	B337	1218								
CUBIERTA	B440	1219								
CUBIERTA	B441	1220								
CUBIERTA	B442	639								
CUBIERTA	B450	609								
CUBIERTA	B451	610								
CUBIERTA	B452	716								
CUBIERTA	B453	719								
CUBIERTA	B463	973								
CUBIERTA	B464	975								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B465	977								
CUBIERTA	B466	979								
CUBIERTA	B467	981								
CUBIERTA	B529	982								
CUBIERTA	B530	984								
CUBIERTA	B531	986								
CUBIERTA	B562	987								
CUBIERTA	B563	988								
CUBIERTA	B567	990								
CUBIERTA	B568	991								
CUBIERTA	B569	993								
CUBIERTA	B590	994								
CUBIERTA	B591	996								
CUBIERTA	B592	997								
CUBIERTA	B593	999								
CUBIERTA	B594	1000								
CUBIERTA	B595	1002								
CUBIERTA	B596	1003								
CUBIERTA	B603	1005								
CUBIERTA	B604	1006								
CUBIERTA	B607	1008								
CUBIERTA	B609	1010								
CUBIERTA	B610	1012								
CUBIERTA	B611	1014								
CUBIERTA	B612	1055								
CUBIERTA	B616	1056								
CUBIERTA	B634	1057								
CUBIERTA	B655	1058								
CUBIERTA	B656	1059								
CUBIERTA	B659	1060								
CUBIERTA	B661	1061								
CUBIERTA	B664	1062								
CUBIERTA	B666	1063								
CUBIERTA	B775	1064								
CUBIERTA	B784	1065								
CUBIERTA	B793	1066								
CUBIERTA	B802	1067								
CUBIERTA	B811	1068								
CUBIERTA	B820	1069								
CUBIERTA	B842	1070								
CUBIERTA	B853	1071								
CUBIERTA	B567	1222								
CUBIERTA	B568	1223								
CUBIERTA	B672	1224								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B873	1225								
CUBIERTA	B892	1226								
CUBIERTA	B893	1227								
CUBIERTA	B894	1228								
CUBIERTA	B895	1229								
CUBIERTA	B896	1230								
CUBIERTA	B897	1231								
CUBIERTA	B898	1232								
CUBIERTA	B899	1233								
CUBIERTA	B900	1234								
CUBIERTA	B901	1235								
CUBIERTA	B902	1236								
CUBIERTA	B904	1237								
CUBIERTA	B905	1250								
CUBIERTA	B906	1251								
CUBIERTA	B907	1252								
CUBIERTA	B910	1254								
CUBIERTA	B913	1256								
CUBIERTA	B916	1258								
CUBIERTA	B923	1260								
CUBIERTA	B927	1262								
CUBIERTA	B932	1264								
CUBIERTA	B935	1266								
CUBIERTA	B936	1253								
CUBIERTA	B944	1255								
CUBIERTA	B947	1257								
CUBIERTA	B948	1259								
CUBIERTA	B949	1261								
CUBIERTA	B950	1263								
CUBIERTA	B951	1265								
CUBIERTA	B12	1270								
CUBIERTA	B27	1267								
CUBIERTA	B36	1268								
CUBIERTA	B54	1269								
CUBIERTA	B55	1271								
CUBIERTA	B57	1272								
CUBIERTA	B58	1273								
CUBIERTA	B61	1274								
CUBIERTA	B110	1276								
CUBIERTA	B112	1277								
CUBIERTA	B114	1278								
CUBIERTA	B115	1279								
CUBIERTA	B116	1280								
CUBIERTA	B119	1281								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B120	1262								
CUBIERTA	B122	1263								
CUBIERTA	B123	1264								
CUBIERTA	B130	1265								
CUBIERTA	B143	1266								
CUBIERTA	B146	1267								
CUBIERTA	B151	1268								
CUBIERTA	B153	1269								
CUBIERTA	B177	1290								
CUBIERTA	B162	1291								
CUBIERTA	B163	1292								
CUBIERTA	B164	1293								
CUBIERTA	B196	1294								
CUBIERTA	B199	1295								
CUBIERTA	B200	1296								
CUBIERTA	B201	1297								
CUBIERTA	B206	1298								
CUBIERTA	B213	1299								
CUBIERTA	B215	1300								
CUBIERTA	B216	1301								
CUBIERTA	B264	1302								
CUBIERTA	B270	1303								
CUBIERTA	B264	1304								
CUBIERTA	B266	1305								
CUBIERTA	B265	1306								
CUBIERTA	B290	1307								
CUBIERTA	B292	1308								
CUBIERTA	B294	1309								
CUBIERTA	B297	1310								
CUBIERTA	B327	1311								
CUBIERTA	B326	1312								
CUBIERTA	B330	1313								
CUBIERTA	B338	1314								
CUBIERTA	B339	1315								
CUBIERTA	B439	1316								
CUBIERTA	B443	1317								
CUBIERTA	B444	1318								
CUBIERTA	B445	1319								
CUBIERTA	B446	1320								
CUBIERTA	B447	1321								
CUBIERTA	B448	1322								
CUBIERTA	B449	1323								
CUBIERTA	B454	1324								
CUBIERTA	B455	1325								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B457	1326								
CUBIERTA	B459	1327								
CUBIERTA	B496	1331								
CUBIERTA	B503	1334								
CUBIERTA	B504	1329								
CUBIERTA	B505	1330								
CUBIERTA	B506	1332								
CUBIERTA	B507	1335								
CUBIERTA	B508	1333								
CUBIERTA	B509	1336								
CUBIERTA	B510	1337								
CUBIERTA	B511	1339								
CUBIERTA	B514	1338								
CUBIERTA	B515	1340								
CUBIERTA	B521	1341								
CUBIERTA	B532	1342								
CUBIERTA	B536	1343								
CUBIERTA	B537	1344								
CUBIERTA	B538	1345								
CUBIERTA	B540	1346								
CUBIERTA	B541	1347								
CUBIERTA	B542	1348								
CUBIERTA	B544	1349								
CUBIERTA	B545	1350								
CUBIERTA	B546	1351								
CUBIERTA	B548	1352								
CUBIERTA	B6	1536								
CUBIERTA	B1334	1659								
CUBIERTA	B1335	1658								
CUBIERTA	B1591	1947								
CUBIERTA	B1592	1948								
CUBIERTA	B1593	1949								
CUBIERTA	B1594	1950								
CUBIERTA	B1595	1951								
CUBIERTA	B1596	1952								
CUBIERTA	B1597	1953								
CUBIERTA	B1598	1954								
CUBIERTA	B1599	1955								
CUBIERTA	B1600	1956								
CUBIERTA	B1580	1657								
CUBIERTA	B1600	1660								
CUBIERTA	B1619	1661								
CUBIERTA	B1623	1662								
CUBIERTA	B1624	1663								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B1626	1664								
CUBIERTA	B1712	1937								
CUBIERTA	B1713	1938								
CUBIERTA	B1714	1939								
CUBIERTA	B1715	1940								
CUBIERTA	B1716	1941								
CUBIERTA	B1717	1942								
CUBIERTA	B1718	1943								
CUBIERTA	B1719	1944								
CUBIERTA	B1720	1945								
CUBIERTA	B1721	1946								
CUBIERTA	B1734	1969								
PISO2	B1	41								
PISO2	B2	42								
PISO2	B3	43								
PISO2	B4	44								
PISO2	B15	49								
PISO2	B16	50								
PISO2	B17	51								
PISO2	B18	52								
PISO2	B19	45								
PISO2	B20	46								
PISO2	B21	47								
PISO2	B22	48								
PISO2	B70	376								
PISO2	B146	226								
PISO2	B194	179								
PISO2	B195	180								
PISO2	B196	181								
PISO2	B197	182								
PISO2	B205	183								
PISO2	B207	185								
PISO2	B189	63								
PISO2	B190	64								
PISO2	B191	65								
PISO2	B202	66								
PISO2	B203	67								
PISO2	B204	68								
PISO2	B206	69								
PISO2	B349	89								
PISO2	B350	90								
PISO2	B351	91								
PISO2	B352	92								
PISO2	B353	93								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B354	94								
PISO2	B355	95								
PISO2	B356	96								
PISO2	B357	97								
PISO2	B358	98								
PISO2	B359	99								
PISO2	B360	100								
PISO2	B361	101								
PISO2	B362	102								
PISO2	B363	103								
PISO2	B364	104								
PISO2	B365	105								
PISO2	B366	106								
PISO2	B367	107								
PISO2	B368	108								
PISO2	B369	109								
PISO2	B370	110								
PISO2	B371	111								
PISO2	B372	112								
PISO2	B373	113								
PISO2	B374	114								
PISO2	B375	115								
PISO2	B376	116								
PISO2	B377	117								
PISO2	B378	118								
PISO2	B379	119								
PISO2	B380	120								
PISO2	B381	121								
PISO2	B382	122								
PISO2	B383	123								
PISO2	B384	124								
PISO2	B385	125								
PISO2	B386	126								
PISO2	B387	127								
PISO2	B388	128								
PISO2	B389	129								
PISO2	B390	130								
PISO2	B391	131								
PISO2	B392	132								
PISO2	B393	133								
PISO2	B394	134								
PISO2	B395	135								
PISO2	B396	136								
PISO2	B397	137								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B395	135								
PISO2	B399	139								
PISO2	B400	140								
PISO2	B401	141								
PISO2	B402	142								
PISO2	B403	143								
PISO2	B404	144								
PISO2	B405	145								
PISO2	B406	146								
PISO2	B407	147								
PISO2	B408	148								
PISO2	B409	149								
PISO2	B410	150								
PISO2	B411	151								
PISO2	B412	152								
PISO2	B413	153								
PISO2	B414	154								
PISO2	B415	155								
PISO2	B416	156								
PISO2	B417	157								
PISO2	B418	158								
PISO2	B419	159								
PISO2	B420	160								
PISO2	B421	161								
PISO2	B422	162								
PISO2	B423	163								
PISO2	B424	164								
PISO2	B425	165								
PISO2	B426	166								
PISO2	B427	167								
PISO2	B428	168								
PISO2	B429	169								
PISO2	B430	170								
PISO2	B431	171								
PISO2	B432	172								
PISO2	B433	173								
PISO2	B434	174								
PISO2	B435	175								
PISO2	B436	176								
PISO2	B437	177								
PISO2	B438	178								
PISO2	B577	166								
PISO2	B578	167								
PISO2	B579	168								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B560	189								
PISO2	B564	193								
PISO2	B565	194								
PISO2	B598	205								
PISO2	B599	206								
PISO2	B600	207								
PISO2	B601	208								
PISO2	B605	212								
PISO2	B606	213								
PISO2	B614	219								
PISO2	B615	220								
PISO2	B616	221								
PISO2	B617	222								
PISO2	B619	224								
PISO2	B620	225								
PISO2	B657	61								
PISO2	B658	190								
PISO2	B660	209								
PISO2	B662	226								
PISO2	B663	229								
PISO2	B665	231								
PISO2	B664	303								
PISO2	B665	304								
PISO2	B666	305								
PISO2	B667	306								
PISO2	B668	307								
PISO2	B669	308								
PISO2	B890	309								
PISO2	B891	310								
PISO2	B917	62								
PISO2	B918	311								
PISO2	B919	1127								
PISO2	B946	1126								
PISO2	B559	321								
PISO2	B560	399								
PISO2	B561	402								
PISO2	B562	405								
PISO2	B563	408								
PISO2	B564	411								
PISO2	B565	414								
PISO2	B566	417								
PISO2	B567	420								
PISO2	B568	423								
PISO2	B569	426								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B570	429								
PISO2	B571	432								
PISO2	B572	435								
PISO2	B573	438								
PISO2	B574	441								
PISO2	B575	444								
PISO2	B597	322								
PISO2	B602	400								
PISO2	B606	403								
PISO2	B613	406								
PISO2	B621	409								
PISO2	B622	412								
PISO2	B623	415								
PISO2	B624	418								
PISO2	B625	421								
PISO2	B626	424								
PISO2	B627	427								
PISO2	B628	430								
PISO2	B629	433								
PISO2	B630	436								
PISO2	B631	439								
PISO2	B632	442								
PISO2	B633	445								
PISO2	B636	323								
PISO2	B639	401								
PISO2	B640	404								
PISO2	B641	407								
PISO2	B642	410								
PISO2	B643	413								
PISO2	B644	416								
PISO2	B645	419								
PISO2	B646	422								
PISO2	B647	425								
PISO2	B648	428								
PISO2	B649	431								
PISO2	B650	434								
PISO2	B651	437								
PISO2	B652	440								
PISO2	B653	443								
PISO2	B654	446								
PISO2	B669	79								
PISO2	B670	453								
PISO2	B671	454								
PISO2	B672	455								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B673	456								
PISO2	B674	457								
PISO2	B675	458								
PISO2	B676	459								
PISO2	B677	460								
PISO2	B678	461								
PISO2	B679	462								
PISO2	B680	463								
PISO2	B681	464								
PISO2	B682	465								
PISO2	B683	466								
PISO2	B684	467								
PISO2	B685	468								
PISO2	B686	324								
PISO2	B689	328								
PISO2	B690	332								
PISO2	B691	336								
PISO2	B692	340								
PISO2	B693	344								
PISO2	B694	348								
PISO2	B695	352								
PISO2	B696	356								
PISO2	B697	360								
PISO2	B698	364								
PISO2	B701	368								
PISO2	B703	369								
PISO2	B709	325								
PISO2	B710	329								
PISO2	B711	333								
PISO2	B712	337								
PISO2	B713	341								
PISO2	B714	345								
PISO2	B715	349								
PISO2	B716	353								
PISO2	B717	357								
PISO2	B718	361								
PISO2	B719	365								
PISO2	B722	367								
PISO2	B724	370								
PISO2	B730	326								
PISO2	B731	330								
PISO2	B732	334								
PISO2	B733	338								
PISO2	B734	342								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B735	346								
PISO2	B736	350								
PISO2	B737	354								
PISO2	B738	358								
PISO2	B739	362								
PISO2	B743	366								
PISO2	B745	371								
PISO2	B774	327								
PISO2	B783	331								
PISO2	B792	335								
PISO2	B801	339								
PISO2	B810	343								
PISO2	B819	347								
PISO2	B828	351								
PISO2	B829	355								
PISO2	B830	359								
PISO2	B831	363								
PISO2	B843	319								
PISO2	B844	379								
PISO2	B845	381								
PISO2	B846	383								
PISO2	B847	385								
PISO2	B848	387								
PISO2	B849	389								
PISO2	B850	391								
PISO2	B851	393								
PISO2	B852	395								
PISO2	B854	320								
PISO2	B855	350								
PISO2	B856	352								
PISO2	B857	354								
PISO2	B858	356								
PISO2	B859	358								
PISO2	B860	390								
PISO2	B861	392								
PISO2	B862	394								
PISO2	B863	396								
PISO2	B865	471								
PISO2	B866	472								
PISO2	B160	493								
PISO2	B163	490								
PISO2	B164	491								
PISO2	B165	488								
PISO2	B166	489								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B167	473								
PISO2	B172	476								
PISO2	B173	479								
PISO2	B174	496								
PISO2	B176	497								
PISO2	B186	502								
PISO2	B188	503								
PISO2	B193	504								
PISO2	B210	505								
PISO2	B211	506								
PISO2	B214	508								
PISO2	B227	516								
PISO2	B228	517								
PISO2	B230	518								
PISO2	B231	519								
PISO2	B232	520								
PISO2	B234	521								
PISO2	B247	528								
PISO2	B248	529								
PISO2	B249	530								
PISO2	B250	531								
PISO2	B252	532								
PISO2	B254	533								
PISO2	B255	534								
PISO2	B256	535								
PISO2	B257	536								
PISO2	B258	537								
PISO2	B259	538								
PISO2	B260	539								
PISO2	B261	540								
PISO2	B262	541								
PISO2	B263	542								
PISO2	B266	543								
PISO2	B267	544								
PISO2	B268	545								
PISO2	B269	546								
PISO2	B271	547								
PISO2	B272	548								
PISO2	B273	549								
PISO2	B274	550								
PISO2	B275	551								
PISO2	B276	552								
PISO2	B277	553								
PISO2	B278	554								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B279	555								
PISO2	B280	556								
PISO2	B281	557								
PISO2	B306	562								
PISO2	B307	563								
PISO2	B308	564								
PISO2	B309	565								
PISO2	B310	566								
PISO2	B311	567								
PISO2	B312	568								
PISO2	B313	569								
PISO2	B314	590								
PISO2	B315	591								
PISO2	B316	592								
PISO2	B317	593								
PISO2	B318	495								
PISO2	B319	594								
PISO2	B468	372								
PISO2	B469	373								
PISO2	B470	374								
PISO2	B471	375								
PISO2	B472	376								
PISO2	B473	377								
PISO2	B474	397								
PISO2	B475	396								
PISO2	B476	447								
PISO2	B477	446								
PISO2	B478	449								
PISO2	B479	450								
PISO2	B480	451								
PISO2	B481	452								
PISO2	B482	469								
PISO2	B483	470								
PISO2	B1063	1015								
PISO2	B1064	1016								
PISO2	B1095	1024								
PISO2	B1111	1025								
PISO2	B1112	1026								
PISO2	B1119	1027								
PISO2	B1120	1028								
PISO2	B1127	1029								
PISO2	B1128	1030								
PISO2	B1135	1031								
PISO2	B1136	1032								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1137	1033								
PISO2	B1138	1034								
PISO2	B1139	1035								
PISO2	B1140	1036								
PISO2	B1141	1037								
PISO2	B1142	1038								
PISO2	B1143	1039								
PISO2	B1144	1040								
PISO2	B1145	1041								
PISO2	B1146	1042								
PISO2	B1147	1043								
PISO2	B1148	1044								
PISO2	B1149	1045								
PISO2	B945	214								
PISO2	B952	223								
PISO2	B956	1053								
PISO2	B960	184								
PISO2	B967	191								
PISO2	B968	192								
PISO2	B974	210								
PISO2	B976	211								
PISO2	B979	1017								
PISO2	B981	1018								
PISO2	B984	195								
PISO2	B985	196								
PISO2	B986	197								
PISO2	B987	198								
PISO2	B988	199								
PISO2	B989	200								
PISO2	B990	201								
PISO2	B991	202								
PISO2	B992	203								
PISO2	B993	204								
PISO2	B995	230								
PISO2	B996	60								
PISO2	B997	215								
PISO2	B999	216								
PISO2	B1002	217								
PISO2	B1003	218								
PISO2	B1006	227								
PISO2	B1007	1019								
PISO2	B1010	1020								
PISO2	B1011	1021								
PISO2	B1014	1022								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1015	1023								
PISO2	B1166	1100								
PISO2	B1167	1101								
PISO2	B1170	1102								
PISO2	B1171	1103								
PISO2	B1172	1104								
PISO2	B1173	1105								
PISO2	B1187	1106								
PISO2	B1188	1107								
PISO2	B1189	1108								
PISO2	B1190	1109								
PISO2	B1192	1110								
PISO2	B1194	1111								
PISO2	B1196	1112								
PISO2	B1211	1113								
PISO2	B1214	1114								
PISO2	B1263	1115								
PISO2	B1266	1116								
PISO2	B1267	1117								
PISO2	B1268	1118								
PISO2	B1347	1119								
PISO2	B1350	1120								
PISO2	B1351	1121								
PISO2	B1352	1122								
PISO2	B1353	1123								
PISO2	B1354	1124								
PISO2	B1356	595								
PISO2	B1359	596								
PISO2	B1360	597								
PISO2	B1361	598								
PISO2	B1362	599								
PISO2	B1363	600								
PISO2	B1364	601								
PISO2	B1365	1129								
PISO2	B1366	492								
PISO2	B1367	509								
PISO2	B1368	510								
PISO2	B1369	511								
PISO2	B1370	512								
PISO2	B1371	513								
PISO2	B1372	514								
PISO2	B1373	515								
PISO2	B1374	494								
PISO2	B1375	507								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1376	522								
PISO2	B1377	523								
PISO2	B1378	524								
PISO2	B1379	525								
PISO2	B1380	526								
PISO2	B1381	527								
PISO2	B1382	1130								
PISO2	B1383	602								
PISO2	B1384	603								
PISO2	B1385	604								
PISO2	B1386	605								
PISO2	B1387	606								
PISO2	B1388	607								
PISO2	B1389	1131								
PISO2	B1390	1132								
PISO2	B1391	1133								
PISO2	B1392	1134								
PISO2	B1393	1135								
PISO2	B1394	1136								
PISO2	B1396	1137								
PISO2	B1397	1138								
PISO2	B1398	1967								
PISO2	B1399	1140								
PISO2	B1404	1145								
PISO2	B1405	1146								
PISO2	B1415	477								
PISO2	B1416	496								
PISO2	B1417	576								
PISO2	B1418	577								
PISO2	B1419	578								
PISO2	B1420	579								
PISO2	B1421	580								
PISO2	B1422	581								
PISO2	B1423	1144								
PISO2	B1424	476								
PISO2	B1425	499								
PISO2	B1426	570								
PISO2	B1427	571								
PISO2	B1428	572								
PISO2	B1429	573								
PISO2	B1430	574								
PISO2	B1431	575								
PISO2	B1432	1143								
PISO2	B1433	474								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1434	475								
PISO2	B1435	500								
PISO2	B1436	501								
PISO2	B1437	558								
PISO2	B1438	559								
PISO2	B1439	560								
PISO2	B1440	561								
PISO2	B1441	562								
PISO2	B1442	563								
PISO2	B1443	564								
PISO2	B1444	565								
PISO2	B1445	566								
PISO2	B1446	567								
PISO2	B1447	568								
PISO2	B1448	569								
PISO2	B1449	1141								
PISO2	B1450	1142								
PISO2	B1451	1147								
PISO2	B1452	1148								
PISO2	B1453	1149								
PISO2	B1454	1150								
PISO2	B1455	1151								
PISO2	B1456	1152								
PISO2	B1457	1153								
PISO2	B1459	1155								
PISO2	B1460	1156								
PISO2	B1461	1157								
PISO2	B1462	1158								
PISO2	B1463	1159								
PISO2	B1464	1160								
PISO2	B1465	1161								
PISO2	B1466	1162								
PISO2	B1467	1163								
PISO2	B1468	1164								
PISO2	B1469	1165								
PISO2	B1470	1166								
PISO2	B1471	1167								
PISO2	B1472	1168								
PISO2	B1473	1169								
PISO2	B1474	1170								
PISO2	B1475	1171								
PISO2	B1476	1172								
PISO2	B1477	1173								
PISO2	B1478	1174								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1479	1175								
PISO2	B1480	1176								
PISO2	B1481	1177								
PISO2	B1482	1178								
PISO2	B1483	1179								
PISO2	B1484	1180								
PISO2	B1485	1181								
PISO2	B1486	1182								
PISO2	B1487	1183								
PISO2	B1488	1184								
PISO2	B1489	1185								
PISO2	B124	1658								
PISO2	B136	1511								
PISO2	B5	1209								
PISO2	B219	1072								
PISO2	B868	1516								
PISO2	B872	1515								
PISO2	B873	1491								
PISO2	B905	1531								
PISO2	B906	1532								
PISO2	B907	1533								
PISO2	B910	1667								
PISO2	B936	1480								
PISO2	B27	80								
PISO2	B36	1364								
PISO2	B54	1365								
PISO2	B55	1520								
PISO2	B57	1519								
PISO2	B58	1518								
PISO2	B61	1517								
PISO2	B63	1530								
PISO2	B110	1524								
PISO2	B112	1523								
PISO2	B114	1522								
PISO2	B115	1413								
PISO2	B116	1414								
PISO2	B119	1415								
PISO2	B120	1416								
PISO2	B122	1417								
PISO2	B177	1510								
PISO2	B182	1505								
PISO2	B183	1504								
PISO2	B184	1503								
PISO2	B196	1502								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B200	1506								
PISO2	B201	1507								
PISO2	B206	1508								
PISO2	B213	1509								
PISO2	B215	1423								
PISO2	B216	1424								
PISO2	B264	1425								
PISO2	B270	1426								
PISO2	B284	1427								
PISO2	B286	1428								
PISO2	B288	1429								
PISO2	B290	1514								
PISO2	B292	1492								
PISO2	B294	1490								
PISO2	B297	1489								
PISO2	B327	1488								
PISO2	B328	1535								
PISO2	B330	1481								
PISO2	B336	1482								
PISO2	B339	1479								
PISO2	B439	1478								
PISO2	B443	1477								
PISO2	B444	1496								
PISO2	B445	1494								
PISO2	B446	1495								
PISO2	B447	1496								
PISO2	B448	1497								
PISO2	B449	62								
PISO2	B454	1431								
PISO2	B455	1430								
PISO2	B459	1486								
PISO2	B460	1534								
PISO2	B549	1353								
PISO2	B550	1354								
PISO2	B552	1355								
PISO2	B553	1356								
PISO2	B554	1357								
PISO2	B556	1358								
PISO2	B557	1359								
PISO2	B558	1360								
PISO2	B706	1361								
PISO2	B720	1362								
PISO2	B723	1366								
PISO2	B725	1367								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B744	1368								
PISO2	B749	1369								
PISO2	B861	1370								
PISO2	B862	1371								
PISO2	B908	1372								
PISO2	B909	1373								
PISO2	B911	1374								
PISO2	B912	1375								
PISO2	B914	1376								
PISO2	B915	1377								
PISO2	B920	1378								
PISO2	B921	1379								
PISO2	B922	1380								
PISO2	B924	1381								
PISO2	B925	1382								
PISO2	B926	1383								
PISO2	B930	1384								
PISO2	B933	1385								
PISO2	B934	1386								
PISO2	B953	1387								
PISO2	B954	1388								
PISO2	B955	1389								
PISO2	B956	1390								
PISO2	B957	1391								
PISO2	B959	1392								
PISO2	B961	1393								
PISO2	B962	1394								
PISO2	B963	1395								
PISO2	B964	1396								
PISO2	B965	1397								
PISO2	B966	1398								
PISO2	B969	1399								
PISO2	B970	1400								
PISO2	B971	1401								
PISO2	B972	1402								
PISO2	B973	1403								
PISO2	B975	1404								
PISO2	B976	1405								
PISO2	B977	1406								
PISO2	B980	1407								
PISO2	B982	1408								
PISO2	B983	1409								
PISO2	B994	1410								
PISO2	B996	1411								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1000	1412								
PISO2	B1001	1418								
PISO2	B1004	1419								
PISO2	B1005	1420								
PISO2	B1008	1421								
PISO2	B1009	1422								
PISO2	B1013	1433								
PISO2	B1016	1434								
PISO2	B1017	1435								
PISO2	B1018	1436								
PISO2	B1021	1437								
PISO2	B1022	1438								
PISO2	B1025	1439								
PISO2	B1026	1440								
PISO2	B1027	1441								
PISO2	B1062	1456								
PISO2	B1065	1457								
PISO2	B1066	1458								
PISO2	B1067	1459								
PISO2	B1068	1460								
PISO2	B1069	1461								
PISO2	B1073	1462								
PISO2	B1074	1463								
PISO2	B1077	1464								
PISO2	B1081	1465								
PISO2	B1082	1466								
PISO2	B1101	1474								
PISO2	B1107	1475								
PISO2	B1106	1476								
PISO2	B1109	1483								
PISO2	B1113	1484								
PISO2	B1114	1485								
PISO2	B1115	1487								
PISO2	B1116	1493								
PISO2	B1117	1499								
PISO2	B1118	1500								
PISO2	B1123	1501								
PISO2	B1124	1512								
PISO2	B1125	1513								
PISO2	B1129	1521								
PISO2	B1131	1526								
PISO2	B1132	1527								
PISO2	B1133	1528								
PISO2	B1134	1529								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B519	1555								
PISO2	B520	1556								
PISO2	B1072	1557								
PISO2	B1166	1558								
PISO2	B1169	1559								
PISO2	B1174	1560								
PISO2	B1175	1561								
PISO2	B1176	1562								
PISO2	B1177	1563								
PISO2	B1178	1564								
PISO2	B1179	1565								
PISO2	B1180	1566								
PISO2	B1181	1567								
PISO2	B1182	1568								
PISO2	B1183	1569								
PISO2	B1184	1570								
PISO2	B1185	1571								
PISO2	B1186	1572								
PISO2	B212	37								
PISO2	B238	38								
PISO2	B239	39								
PISO2	B240	40								
PISO2	B241	69								
PISO2	B242	70								
PISO2	B243	71								
PISO2	B251	72								
PISO2	B253	74								
PISO2	B329	75								
PISO2	B461	76								
PISO2	B465	77								
PISO2	B466	78								
PISO2	B128	233								
PISO2	B129	234								
PISO2	B325	235								
PISO2	B326	236								
PISO2	B527	237								
PISO2	B528	238								
PISO2	B533	239								
PISO2	B534	240								
PISO2	B746	241								
PISO2	B747	242								
PISO2	B750	243								
PISO2	B751	244								
PISO2	B752	245								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B753	246								
PISO2	B754	247								
PISO2	B755	248								
PISO2	B756	249								
PISO2	B757	250								
PISO2	B758	251								
PISO2	B759	252								
PISO2	B760	253								
PISO2	B761	254								
PISO2	B762	54								
PISO2	B763	260								
PISO2	B764	55								
PISO2	B765	262								
PISO2	B766	256								
PISO2	B767	264								
PISO2	B768	258								
PISO2	B769	266								
PISO2	B773	263								
PISO2	B776	297								
PISO2	B812	290								
PISO2	B815	293								
PISO2	B818	296								
PISO2	B825	301								
PISO2	B832	313								
PISO2	B926	316								
PISO2	B939	1075								
PISO2	B942	1076								
PISO2	B1020	1051								
PISO2	B1026	1055								
PISO2	B1031	1058								
PISO2	B1036	1091								
PISO2	B1039	1094								
PISO2	B1047	1097								
PISO2	B1055	1125								
PISO2	B1061	1443								
PISO2	B1091	268								
PISO2	B1092	291								
PISO2	B1099	294								
PISO2	B1100	299								
PISO2	B1150	302								
PISO2	B1151	314								
PISO2	B1161	317								
PISO2	B1162	1073								
PISO2	B1163	1076								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1164	1079								
PISO2	B1165	1082								
PISO2	B1356	1086								
PISO2	B1357	1089								
PISO2	B1413	1092								
PISO2	B1414	1095								
PISO2	B1490	1098								
PISO2	B1491	1126								
PISO2	B765	1636								
PISO2	B766	1637								
PISO2	B767	1638								
PISO2	B768	1639								
PISO2	B790	1641								
PISO2	B791	1642								
PISO2	B794	1643								
PISO2	B795	1644								
PISO2	B797	1645								
PISO2	B798	1646								
PISO2	B799	1647								
PISO2	B800	1648								
PISO2	B803	1649								
PISO2	B804	1650								
PISO2	B805	1651								
PISO2	B806	1652								
PISO2	B807	1653								
PISO2	B808	1654								
PISO2	B809	1655								
PISO2	B813	1656								
PISO2	B814	1657								
PISO2	B1522	56								
PISO2	B1523	255								
PISO2	B1524	257								
PISO2	B1525	259								
PISO2	B1527	261								
PISO2	B1528	262								
PISO2	B1529	264								
PISO2	B1530	265								
PISO2	B1531	266								
PISO2	B1532	267								
PISO2	B1533	268								
PISO2	B1534	269								
PISO2	B1535	270								
PISO2	B1536	271								
PISO2	B1537	272								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1538	273								
PISO2	B1539	274								
PISO2	B1540	275								
PISO2	B1541	276								
PISO2	B1542	277								
PISO2	B1543	278								
PISO2	B1546	1552								
PISO2	B1547	1553								
PISO2	B1548	1554								
PISO2	B1549	1555								
PISO2	B1550	1556								
PISO2	B1551	1557								
PISO2	B1552	1558								
PISO2	B1553	1592								
PISO2	B1554	1593								
PISO2	B1555	1594								
PISO2	B1556	1595								
PISO2	B1557	1596								
PISO2	B1558	1597								
PISO2	B1559	1598								
PISO2	B1560	1599								
PISO2	B1561	1600								
PISO2	B1562	1601								
PISO2	B1563	1602								
PISO2	B1564	1603								
PISO2	B1565	1604								
PISO2	B1566	1589								
PISO2	B1567	1590								
PISO2	B1568	1591								
PISO2	B1569	1605								
PISO2	B1570	1606								
PISO2	B1571	1607								
PISO2	B1572	1608								
PISO2	B1573	1609								
PISO2	B1574	1610								
PISO2	B1575	1611								
PISO2	B1576	1612								
PISO2	B1577	1613								
PISO2	B1578	1614								
PISO2	B1579	1615								
PISO2	B1581	1616								
PISO2	B1582	1617								
PISO2	B1583	1618								
PISO2	B1584	1619								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1585	1620								
PISO2	B1586	1621								
PISO2	B1587	1622								
PISO2	B1588	1623								
PISO2	B1589	1624								
PISO2	B1590	1625								
PISO2	B1591	1626								
PISO2	B1592	1627								
PISO2	B1593	1628								
PISO2	B1594	1629								
PISO2	B1595	1630								
PISO2	B1596	1631								
PISO2	B1597	1632								
PISO2	B1598	1633								
PISO2	B1599	1634								
PISO2	B1601	1546								
PISO2	B1602	1547								
PISO2	B1603	1548								
PISO2	B1604	1549								
PISO2	B1605	1550								
PISO2	B1606	1551								
PISO2	B1607	1552								
PISO2	B1608	1553								
PISO2	B1609	1554								
PISO2	B1610	1573								
PISO2	B1611	1574								
PISO2	B1612	1575								
PISO2	B1613	1576								
PISO2	B1614	1577								
PISO2	B1615	1578								
PISO2	B1616	1579								
PISO2	B1617	1580								
PISO2	B1618	1581								
PISO2	B127	263								
PISO2	B467	265								
PISO2	B468	267								
PISO2	B469	269								
PISO2	B491	295								
PISO2	B492	296								
PISO2	B493	300								
PISO2	B494	312								
PISO2	B495	315								
PISO2	B512	316								
PISO2	B513	1074								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B516	1077								
PISO2	B516	1067								
PISO2	B770	1090								
PISO2	B771	1093								
PISO2	B772	1096								
PISO2	B777	1099								
PISO2	B776	1442								
PISO2	B779	1445								
PISO2	B780	1447								
PISO2	B781	1448								
PISO2	B517	1451								
PISO2	B821	1452								
PISO2	B822	1453								
PISO2	B823	1454								
PISO2	B824	1455								
PISO2	B826	1467								
PISO2	B827	1468								
PISO2	B863	1469								
PISO2	B903	1470								
PISO2	B929	1471								
PISO2	B931	1472								
PISO2	B937	1473								
PISO2	B936	1537								
PISO2	B940	1538								
PISO2	B941	1539								
PISO2	B943	1540								
PISO2	B1019	1541								
PISO2	B1023	1542								
PISO2	B1024	1543								
PISO2	B1029	1544								
PISO2	B1030	1545								
PISO2	B1032	1635								
PISO2	B1033	1659								
PISO2	B1037	1660								
PISO2	B1038	1661								
PISO2	B1045	1662								
PISO2	B1046	1663								
PISO2	B1048	1664								
PISO2	B1054	1665								
PISO2	B1056	1676								
PISO2	B1059	1667								
PISO2	B1063	1668								
PISO2	B1066	1669								
PISO2	B1191	1670								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1193	1671								
PISO2	B1195	1672								
PISO2	B1197	1673								
PISO2	B1334	1675								
PISO2	B1335	1677								
PISO2	B1336	1678								
PISO2	B1337	1679								
PISO2	B1338	1680								
PISO2	B1339	1681								
PISO2	B1340	1682								
PISO2	B1341	1683								
PISO2	B1342	1684								
PISO2	B1343	1685								
PISO2	B1344	1686								
PISO2	B1345	1688								
PISO2	B1346	1689								
PISO2	B1348	1690								
PISO2	B1349	1691								
PISO2	B1355	1692								
PISO2	B1395	1693								
PISO2	B1400	1694								
PISO2	B1401	1695								
PISO2	B1402	1696								
PISO2	B1403	1697								
PISO2	B1406	1698								
PISO2	B1407	1699								
PISO2	B1408	1700								
PISO2	B1409	1701								
PISO2	B1410	1702								
PISO2	B1411	1703								
PISO2	B1412	1704								
PISO2	B1493	1705								
PISO2	B1494	1706								
PISO2	B1495	1707								
PISO2	B1496	1708								
PISO2	B1497	1709								
PISO2	B1498	1710								
PISO2	B1499	1711								
PISO2	B1500	1712								
PISO2	B1501	1713								
PISO2	B1502	232								
PISO2	B1503	1446								
PISO2	B1504	279								
PISO2	B1505	1714								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1506	1715								
PISO2	B1507	1716								
PISO2	B1508	1717								
PISO2	B1509	1718								
PISO2	B1510	1719								
PISO2	B1511	1720								
PISO2	B1512	1721								
PISO2	B1513	1722								
PISO2	B1514	1723								
PISO2	B1515	1724								
PISO2	B1516	1725								
PISO2	B1517	1726								
PISO2	B1518	1727								
PISO2	B1519	1728								
PISO2	B1520	1729								
PISO2	B1521	1730								
PISO2	B1636	1746								
PISO2	B1637	1749								
PISO2	B1638	1750								
PISO2	B1639	1751								
PISO2	B1640	1752								
PISO2	B1641	1753								
PISO2	B1642	1754								
PISO2	B1643	1755								
PISO2	B1644	1756								
PISO2	B1645	1757								
PISO2	B1646	1758								
PISO2	B1647	1759								
PISO2	B1648	1760								
PISO2	B1649	1761								
PISO2	B1650	1762								
PISO2	B1651	1763								
PISO2	B1668	1780								
PISO2	B1669	1781								
PISO2	B1670	1782								
PISO2	B1671	1783								
PISO2	B1672	1784								
PISO2	B1673	1785								
PISO2	B1674	1786								
PISO2	B1675	1787								
PISO2	B1676	1788								
PISO2	B1677	1789								
PISO2	B1678	1790								
PISO2	B1679	1791								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1680	1792								
PISO2	B1681	1793								
PISO2	B1682	1794								
PISO2	B1683	1795								
PISO2	B1684	1796								
PISO2	B1685	1797								
PISO2	B1686	1798								
PISO2	B1687	1799								
PISO2	B1688	1800								
PISO2	B1689	1801								
PISO2	B1690	1802								
PISO2	B1691	1803								
PISO2	B1692	1804								
PISO2	B1693	1805								
PISO2	B1694	1806								
PISO2	B1695	1807								
PISO2	B1696	1808								
PISO2	B1697	1809								
PISO2	B1698	1810								
PISO2	B1699	1811								
PISO2	B1700	1812								
PISO2	B1792	1731								
PISO2	B1793	1732								
PISO2	B1794	1733								
PISO2	B1795	1734								
PISO2	B1796	1735								
PISO2	B1797	1736								
PISO2	B1798	1737								
PISO2	B1799	1738								
PISO2	B1800	1739								
PISO2	B1801	1740								
PISO2	B1802	1741								
PISO2	B1803	1742								
PISO2	B1804	1743								
PISO2	B1805	1744								
PISO2	B1806	1745								
PISO2	B1807	1746								
PISO2	B1808	1747								
PISO2	B1809	1764								
PISO2	B1810	1765								
PISO2	B1811	1766								
PISO2	B1812	1767								
PISO2	B1813	1768								
PISO2	B1814	1769								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1615	1770								
PISO2	B1616	1771								
PISO2	B1617	1772								
PISO2	B1618	1773								
PISO2	B1619	1774								
PISO2	B1620	1775								
PISO2	B1621	1776								
PISO2	B1622	1777								
PISO2	B1623	1778								
PISO2	B1624	1779								
PISO2	B1625	1613								
PISO2	B1626	1614								
PISO2	B1627	1615								
PISO2	B1628	1616								
PISO2	B1629	1617								
PISO2	B1630	1618								
PISO2	B1631	1619								
PISO2	B1632	1620								
PISO2	B1633	1621								
PISO2	B1634	1622								
PISO2	B1635	1623								
PISO2	B1636	1624								
PISO2	B1637	1625								
PISO2	B1638	1626								
PISO2	B1639	1627								
PISO2	B1640	1628								
PISO2	B1641	1629								
PISO2	B1642	1630								
PISO2	B1643	1631								
PISO2	B1644	1632								
PISO2	B1645	1633								
PISO2	B1646	1634								
PISO2	B1647	1635								
PISO2	B1648	1636								
PISO2	B1649	1637								
PISO2	B1650	1638								
PISO2	B1651	1639								
PISO2	B1652	1640								
PISO2	B1653	1641								
PISO2	B1654	1642								
PISO2	B1655	1643								
PISO2	B1656	1644								
PISO2	B1657	1645								
PISO2	B1658	1671								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B1659	1672								
PISO2	B1660	1673								
PISO2	B1661	1674								
PISO2	B1662	1675								
PISO2	B1663	1676								
PISO2	B1664	1677								
PISO2	B1665	1678								
PISO2	B1666	1679								
PISO2	B1667	1650								
PISO2	B1668	1651								
PISO2	B1669	1652								
PISO2	B1670	1653								
PISO2	B1671	1654								
PISO2	B1672	1655								
PISO2	B1673	1656								
PISO2	B1674	1657								
PISO2	B1675	1658								
PISO2	B1676	1659								
PISO2	B1677	1690								
PISO2	B1678	1691								
PISO2	B1679	1692								
PISO2	B1680	1693								
PISO2	B1681	1694								
PISO2	B1682	1695								
PISO2	B1683	1696								
PISO2	B1684	1697								
PISO2	B1685	1698								
PISO2	B1686	1699								
PISO2	B1687	1900								
PISO2	B1688	1901								
PISO2	B1689	1902								
PISO2	B1690	1903								
PISO2	B1691	1904								
PISO2	B1692	1905								
PISO2	B1693	1906								
PISO2	B1694	1907								
PISO2	B1695	1908								
PISO2	B1696	1909								
PISO2	B1697	1910								
PISO2	B1698	1911								
PISO2	B1699	1912								
PISO2	B1900	1913								
PISO2	B517	251								
PISO2	B752	1050								

Table 3.2 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
PISO2	B796	1054								
PISO2	B816	1444								
PISO2	B1090	1449								
PISO2	B1626	1450								
PISO2	B1629	1666								
PISO2	B1630	1674								
PISO2	B1631	1646								
PISO2	B1632	1647								
PISO2	B1633	1648								
PISO2	B1634	1649								
PISO2	B1635	1650								
PISO2	B1652	1651								
PISO2	B1653	1652								
PISO2	B1654	1653								
PISO2	B1655	1654								
PISO2	B1656	1655								
PISO2	B1657	1656								
PISO2	B1544	1640								
PISO2	B1545	292								
PISO2	B1620	260								
PISO2	B1722	1957								
PISO2	B1723	1958								
PISO2	B1724	1959								
PISO2	B1725	1960								
PISO2	B1726	1961								
PISO2	B1727	1962								
PISO2	B1728	1963								
PISO2	B1729	1964								
PISO2	B1730	1965								
PISO2	B1731	1966								
PISO2	B1732	1968								
PISO2	B1733	606								
PISO2	B133	51								
PISO2	B134	53								

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Patterns

Name	Type	Self Weight Multiplier	Auto Load
PP	Dead	1	
CA	Dead	0	
CV	Live	0	
W	Wind	0	None
G	Snow	0	

4.2 Applied Loads

4.2.1 Area Loads

Table 4.2 - Shell Loads - Uniform

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m²
CUBIERTA	F3	242	PP	Gravity	0.025
CUBIERTA	F5	243	PP	Gravity	0.025
CUBIERTA	F7	245	PP	Gravity	0.025
CUBIERTA	F6	246	PP	Gravity	0.025
CUBIERTA	F9	247	PP	Gravity	0.025
CUBIERTA	F14	244	PP	Gravity	0.025
CUBIERTA	F15	248	PP	Gravity	0.025
CUBIERTA	F16	249	PP	Gravity	0.025
PISO2	F2	241	PP	Gravity	0.025
PISO2	F12	251	PP	Gravity	0.025
PISO2	F13	250	PP	Gravity	0.025
PISO2	F4	106	PP	Gravity	0.025
CUBIERTA	F3	242	CA	Gravity	0.095
CUBIERTA	F5	243	CA	Gravity	0.095
CUBIERTA	F7	245	CA	Gravity	0.095
CUBIERTA	F6	246	CA	Gravity	0.095
CUBIERTA	F9	247	CA	Gravity	0.095
CUBIERTA	F14	244	CA	Gravity	0.095
CUBIERTA	F15	248	CA	Gravity	0.095
CUBIERTA	F16	249	CA	Gravity	0.08
PISO2	F2	241	CA	Gravity	0.095
PISO2	F12	251	CA	Gravity	0.095
PISO2	F13	250	CA	Gravity	0.095
PISO2	F6	252	CA	Gravity	0.11
PISO2	F10	273	CA	Gravity	0.11
PISO2	F17	255	CA	Gravity	0.11
PISO2	F18	256	CA	Gravity	0.11
PISO2	F20	257	CA	Gravity	0.11

Table 4.2 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m²
PISO2	F21	256	CA	Gravity	0.11
PISO2	F22	259	CA	Gravity	0.11
PISO2	F23	260	CA	Gravity	0.11
PISO2	F24	261	CA	Gravity	0.11
PISO2	F30	264	CA	Gravity	0.11
PISO2	F31	265	CA	Gravity	0.11
PISO2	F36	124	CA	Gravity	0.11
PISO2	F37	271	CA	Gravity	0.11
PISO2	F38	254	CA	Gravity	0.11
PISO2	F39	266	CA	Gravity	0.11
PISO2	F40	267	CA	Gravity	0.11
PISO2	F41	268	CA	Gravity	0.11
PISO2	F42	269	CA	Gravity	0.11
PISO2	F4	106	CA	Gravity	0.095
CUBIERTA	F3	242	CV	Gravity	0.05
CUBIERTA	F5	243	CV	Gravity	0.05
CUBIERTA	F7	245	CV	Gravity	0.05
CUBIERTA	F8	246	CV	Gravity	0.05
CUBIERTA	F9	247	CV	Gravity	0.05
CUBIERTA	F14	244	CV	Gravity	0.05
CUBIERTA	F15	248	CV	Gravity	0.05
CUBIERTA	F16	249	CV	Gravity	0.05
PISO2	F2	241	CV	Gravity	0.05
PISO2	F12	251	CV	Gravity	0.05
PISO2	F13	250	CV	Gravity	0.05
PISO2	F6	252	CV	Gravity	0.2
PISO2	F10	273	CV	Gravity	0.2
PISO2	F17	255	CV	Gravity	0.2
PISO2	F18	256	CV	Gravity	0.2
PISO2	F20	257	CV	Gravity	0.2
PISO2	F21	256	CV	Gravity	0.2
PISO2	F22	259	CV	Gravity	0.2
PISO2	F23	260	CV	Gravity	0.2
PISO2	F24	261	CV	Gravity	0.2
PISO2	F30	264	CV	Gravity	0.2
PISO2	F31	265	CV	Gravity	0.2
PISO2	F36	124	CV	Gravity	0.5
PISO2	F37	271	CV	Gravity	0.2
PISO2	F38	254	CV	Gravity	0.2
PISO2	F39	266	CV	Gravity	0.2
PISO2	F40	267	CV	Gravity	0.2
PISO2	F41	268	CV	Gravity	0.2
PISO2	F42	269	CV	Gravity	0.2
PISO2	F4	106	CV	Gravity	0.05
CUBIERTA	F3	242	W	Gravity	0.073

Table 4.2 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m²
CUBIERTA	F5	243	W	Gravity	0.073
CUBIERTA	F7	245	W	Gravity	0.073
CUBIERTA	F6	246	W	Gravity	0.073
CUBIERTA	F9	247	W	Gravity	0.073
CUBIERTA	F14	244	W	Gravity	0.073
CUBIERTA	F15	248	W	Gravity	0.073
CUBIERTA	F16	249	W	Gravity	0.073
PISO2	F2	241	W	Gravity	0.073
PISO2	F12	251	W	Gravity	0.073
PISO2	F13	250	W	Gravity	0.073
PISO2	F4	105	W	Gravity	0.073
CUBIERTA	F3	242	G	Gravity	0.05
CUBIERTA	F5	243	G	Gravity	0.05
CUBIERTA	F7	245	G	Gravity	0.05
CUBIERTA	F6	246	G	Gravity	0.05
CUBIERTA	F9	247	G	Gravity	0.05
CUBIERTA	F14	244	G	Gravity	0.05
CUBIERTA	F15	248	G	Gravity	0.05
CUBIERTA	F16	249	G	Gravity	0.05
PISO2	F2	241	G	Gravity	0.05
PISO2	F12	251	G	Gravity	0.05
PISO2	F13	250	G	Gravity	0.05
PISO2	F4	105	G	Gravity	0.05

4.3 Functions

4.3.1 Response Spectrum Functions

Table 4.3 - Response Spectrum Function - User

Name	Period sec	Acceleration	Damping %
ESP	0	0.394	5
ESP	0.096	0.394	
ESP	0.196	0.394	
ESP	0.295	0.394	
ESP	0.393	0.394	
ESP	0.491	0.394	
ESP	0.589	0.394	
ESP	0.687	0.394	
ESP	0.786	0.394	
ESP	0.884	0.394	
ESP	0.982	0.394	
ESP	1.08	0.394	
ESP	1.178	0.394	
ESP	1.277	0.394	
ESP	1.375	0.394	

Table 4.3 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
ESP	1.473	0.394	
ESP	1.571	0.394	
ESP	1.669	0.394	
ESP	1.766	0.394	
ESP	1.872	0.372	
ESP	1.976	0.352	
ESP	2.08	0.335	
ESP	2.185	0.319	
ESP	2.289	0.304	
ESP	2.393	0.291	
ESP	2.496	0.279	
ESP	2.602	0.266	
ESP	2.706	0.257	
ESP	2.81	0.246	
ESP	2.915	0.239	
ESP	3.019	0.231	
ESP	3.123	0.223	
ESP	3.227	0.216	
ESP	3.332	0.209	
ESP	3.436	0.203	
ESP	3.54	0.197	
ESP	3.644	0.191	
ESP	3.749	0.186	
ESP	3.853	0.181	
ESP	3.957	0.176	
ESP	4.062	0.171	
ESP	4.166	0.167	
ESP	4.27	0.163	
ESP	4.374	0.159	
ESP	4.479	0.155	
ESP	4.583	0.152	
ESP	4.687	0.148	
ESP	4.791	0.145	
ESP	4.896	0.142	
ESP	5	0.139	
ESP	6.75	0.045	
ESP	12.5	0.022	
ESP	16.25	0.013	
ESP	20	0.009	
ESP	23.75	0.006	
ESP	27.5	0.005	
ESP	31.25	0.004	
ESP	35	0.003	
ESP	38.75	0.002	
ESP	42.5	0.002	

Table 4.3 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
ESP	46.25	0.002	
ESP	50	0.001	
ESPDANO	0	0.06	2
ESPDANO	0.053	0.1667	
ESPDANO	0.107	0.2533	
ESPDANO	0.16	0.34	
ESPDANO	0.213	0.4267	
ESPDANO	0.267	0.5133	
ESPDANO	0.32	0.6	
ESPDANO	0.376	0.6	
ESPDANO	0.431	0.6	
ESPDANO	0.487	0.6	
ESPDANO	0.543	0.6	
ESPDANO	0.598	0.6	
ESPDANO	0.654	0.6	
ESPDANO	0.71	0.6	
ESPDANO	0.765	0.6	
ESPDANO	0.821	0.6	
ESPDANO	0.877	0.6	
ESPDANO	0.932	0.6	
ESPDANO	0.988	0.6	
ESPDANO	1.044	0.6	
ESPDANO	1.099	0.6	
ESPDANO	1.155	0.6	
ESPDANO	1.21	0.6	
ESPDANO	1.266	0.6	
ESPDANO	1.322	0.6	
ESPDANO	1.377	0.6	
ESPDANO	1.433	0.6	
ESPDANO	1.489	0.6	
ESPDANO	1.544	0.6	
ESPDANO	1.6	0.6	
ESPDANO	1.77	0.5424	
ESPDANO	1.94	0.4948	
ESPDANO	2.11	0.455	
ESPDANO	2.28	0.4211	
ESPDANO	2.45	0.3916	
ESPDANO	2.62	0.3664	
ESPDANO	2.79	0.3441	
ESPDANO	2.96	0.3243	
ESPDANO	3.13	0.3067	
ESPDANO	3.3	0.2909	
ESPDANO	3.47	0.2767	
ESPDANO	3.64	0.2637	
ESPDANO	3.81	0.252	

Table 4.3 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
ESPDANO	3.96	0.2412	
ESPDANO	4.15	0.2313	
ESPDANO	4.32	0.2222	
ESPDANO	4.49	0.2138	
ESPDANO	4.66	0.206	
ESPDANO	4.83	0.1988	
ESPDANO	5	0.192	
ESPDANO	7	0.096	
ESPDANO	8	0.075	
ESPDANO	9	0.0593	
ESPDANO	10	0.048	
ESPDANO	12	0.0333	
ESPDANO	15	0.0213	
ESPDANO	30	0.005333	
ESPDANO	35	0.003918	
ESPDANO	40	0.003	
ESPDANO	50	0.00192	

4.4 Load Cases

Table 4.4 - Load Cases - Summary

Name	Type
PP	Linear Static
CA	Linear Static
CV	Linear Static
W	Linear Static
SX	Response Spectrum
SY	Response Spectrum
G	Linear Static
SXD	Response Spectrum
SYD	Response Spectrum

Table 4.5 - Load Cases - Static - Linear

Name	Stiffness From	Mass Source	Load Type	Load Name	Scale Factor	Design Load Type
PP	Preset P-delta	MsSrc1	Load Pattern	PP	1	Program Determined
CA	Preset P-delta	MsSrc1	Load Pattern	CA	1	Program Determined
CV	Preset P-delta	MsSrc1	Load Pattern	CV	1	Program Determined
W	Preset P-delta	MsSrc1	Load Pattern	W	1	Program Determined
G	Preset P-delta	MsSrc1	Load Pattern	G	1	Program Determined

Table 4.6 - Load Cases - Modal - Ritz

Name	Stiffness From	Mass Source	Load Type	Load Name	Max Cycles	Target Participation %	Max Number Modes	Min Number Modes	Design Load Type
Modal	Preset P-delta	MsSrc1	Acceleration	UX	0	100	40	16	Program Determined
Modal			Acceleration	UY	0	100			

Table 4.7 - Load Cases - Response Spectrum (Part 1 of 2)

Name	Mass Source	Load Type	Load Name	Function	Scale Factor	Coordinate System	Angle deg	Modal Case	Modal Combination Method
SX	Previous (MsSrc1)	Acceleration	U1	ESP	23.55	Global	0	Modal	CQC
SY	Previous (MsSrc1)	Acceleration	U2	ESP	19.4	Global	0	Modal	CQC
SXD	Previous (MsSrc1)	Acceleration	U1	ESPDANO	19.21	Global	0	Modal	CQC
SYD	Previous (MsSrc1)	Acceleration	U2	ESPDANO	15.57	Global	0	Modal	CQC

Table 4.7 - Load Cases - Response Spectrum (Part 2 of 2)

Name	Include Rigid Response	Directional Combination Method	Design Load Type	Eccentricity Ratio	Eccentricity Overrides	Constant Damping
SX	No	SRSS	Program Determined	0	No	0.05
SY	No	SRSS	Program Determined	0	No	0.05
SXD	No	SRSS	Program Determined	0	No	0.02
SYD	No	SRSS	Program Determined	0	No	0.02

Table 4.8 - P-delta Options

Automation Method
None

4.5 Load Combinations

Table 4.9 - Load Combinations

Name	Load Case/Combo	Scale Factor	Type	Auto
CM	PP	1	Linear Add	No
CM	CA	1		No
DER1	CM	1.2	Linear Add	No
DER1	CV	1.6		No
DER2	CM	1.2	Linear Add	No
DER2	CV	1		No
DER2	SX	1		No
DER3	CM	1.2	Linear Add	No
DER3	CV	1		No
DER3	SX	-1		No
DER4	CM	1.2	Linear Add	No
DER4	CV	1		No
DER4	SY	1		No
DER5	CM	1.2	Linear Add	No

Table 4.9 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
DER5	CV	1		No
DER5	SY	-1		No
DER6	CM	0.9	Linear Add	No
DER6	SX	1		No
DER7	CM	0.9	Linear Add	No
DER7	SX	-1		No
DER8	CM	0.9	Linear Add	No
DER8	SY	1		No
DER9	CM	0.9	Linear Add	No
DER9	SY	-1		No
COMB1	CM	1	Linear Add	No
COMB2	CM	1	Linear Add	No
COMB2	CV	1		No
COMB3	CM	1	Linear Add	No
COMB3	G	1		No
COMB4	CM	1	Linear Add	No
COMB4	CV	0.75		No
COMB5	CM	1	Linear Add	No
COMB5	W	1		No
COMB6	CM	1	Linear Add	No
COMB6	W	-1		No
COMB7	CM	1	Linear Add	No
COMB7	SX	0.65		No
COMB7	SY	0.26		No
COMB8	CM	1	Linear Add	No
COMB8	SX	0.65		No
COMB8	SY	-0.26		No
COMB9	CM	1	Linear Add	No
COMB9	SX	-0.65		No
COMB9	SY	0.26		No
COMB10	CM	1	Linear Add	No
COMB10	SX	-0.65		No
COMB10	SY	-0.26		No
COMB11	CM	1	Linear Add	No
COMB11	SX	0.26		No
COMB11	SY	0.65		No
COMB12	CM	1	Linear Add	No
COMB12	SX	0.26		No
COMB12	SY	-0.65		No
COMB13	CM	1	Linear Add	No
COMB13	SX	-0.26		No
COMB13	SY	0.65		No
COMB14	CM	1	Linear Add	No
COMB14	SX	-0.26		No
COMB14	SY	-0.65		No

Table 4.9 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMB15	CM	1	Linear Add	No
COMB15	CV	0.75		No
COMB15	W	0.75		No
COMB16	CM	1	Linear Add	No
COMB16	CV	0.75		No
COMB16	W	-0.75		No
COMB17	CM	1	Linear Add	No
COMB17	CV	0.75		No
COMB17	SX	0.66		No
COMB17	SY	0.2		No
ENVDIS	COMB1	1	Envelope	No
ENVDIS	COMB2	1		No
ENVDIS	COMB3	1		No
ENVDIS	COMB4	1		No
ENVDIS	COMB5	1		No
ENVDIS	COMB6	1		No
ENVDIS	COMB7	1		No
ENVDIS	COMB8	1		No
ENVDIS	COMB9	1		No
ENVDIS	COMB10	1		No
ENVDIS	COMB11	1		No
ENVDIS	COMB12	1		No
ENVDIS	COMB13	1		No
ENVDIS	COMB14	1		No
ENVDIS	COMB15	1		No
ENVDIS	COMB16	1		No
ENVDIS	COMB17	1		No
ENVDIS	COMB18	1		No
ENVDIS	COMB19	1		No
ENVDIS	COMB20	1		No
ENVDIS	COMB21	1		No
ENVDIS	COMB22	1		No
ENVDIS	COMB23	1		No
ENVDIS	COMB24	1		No
ENVDIS	COMB25	1		No
ENVDIS	COMB26	1		No
ENVDIS	COMB27	1		No
ENVDIS	COMB28	1		No
ENVDIS	COMB29	1		No
ENVDIS	COMB30	1		No
ENVDIS	COMB31	1		No
ENVDIS	COMB32	1		No
ENVDIS	COMB33	1		No
ENVDIS	COMB34	1		No
CIM1	CM	1	Linear Add	No

Table 4.9 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
CIM1	CV	1		No
CIM2	CM	1	Linear Add	No
CIM2	SX	0.66		No
CIM3	CM	1	Linear Add	No
CIM3	SY	0.66		No
CIM4	CM	1	Linear Add	No
CIM4	CV	0.75		No
CIM4	SX	0.66		No
CIM5	CM	1	Linear Add	No
CIM5	CV	0.75		No
CIM5	SY	0.66		No
CIM6	CM	0.6	Linear Add	No
CIM6	SX	0.66		No
CIM7	CM	0.6	Linear Add	No
CIM7	SY	0.66		No
ENVCIM	CIM1	1	Envelope	No
ENVCIM	CIM2	1		No
ENVCIM	CIM3	1		No
ENVCIM	CIM4	1		No
ENVCIM	CIM5	1		No
ENVCIM	CIM6	1		No
ENVCIM	CIM7	1		No
ENVCIM	CIM8	1		No
ENVCIM	CIM9	1		No
ENVCIM	CIM10	1		No
ENVCIM	CIM11	1		No
COMB18	CM	1	Linear Add	No
COMB18	CV	0.75		No
COMB18	SX	0.66		No
COMB18	SY	-0.2		No
COMB19	CM	1	Linear Add	No
COMB19	CV	0.75		No
COMB19	SX	-0.66		No
COMB19	SY	0.2		No
COMB20	CM	1	Linear Add	No
COMB20	SX	-0.66		No
COMB20	SY	-0.2		No
COMB20	CV	0.75		No
COMB21	CM	1	Linear Add	No
COMB21	SX	0.2		No
COMB21	SY	0.66		No
COMB21	CV	0.75		No
COMB22	CM	1	Linear Add	No
COMB22	SX	0.2		No
COMB22	SY	-0.66		No

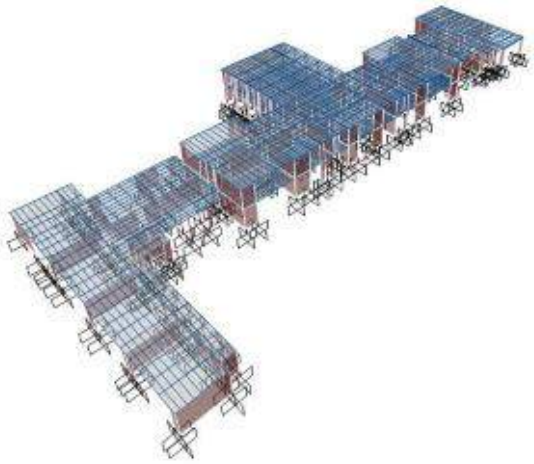
Table 4.9 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMB22	CV	0.75		No
COMB23	CM	1	Linear Add	No
COMB23	SX	-0.2		No
COMB23	SY	0.65		No
COMB23	CV	0.75		No
COMB24	CM	1	Linear Add	No
COMB24	SX	-0.2		No
COMB24	SY	-0.65		No
COMB24	CV	0.75		No
COMB25	CM	0.6	Linear Add	No
COMB25	W	1		No
COMB26	CM	0.6	Linear Add	No
COMB26	W	-1		No
COMB27	CM	0.6	Linear Add	No
COMB27	SX	0.65		No
COMB27	SY	0.26		No
CIM8	CM	1	Linear Add	No
CIM8	CV	1		No
CIM8	SX	0.65		No
CIM9	CM	1	Linear Add	No
CIM9	CV	1		No
CIM9	SY	0.65		No
CIM10	CM	1.2	Linear Add	No
CIM10	CV	1		No
CIM10	SX	1.25		No
CIM11	CM	1.2	Linear Add	No
CIM11	CV	1		No
CIM11	SY	1.25		No
COMB28	CM	0.6	Linear Add	No
COMB28	SX	0.65		No
COMB28	SY	-0.26		No
COMB29	CM	0.6	Linear Add	No
COMB29	SX	-0.65		No
COMB29	SY	0.26		No
COMB30	CM	0.6	Linear Add	No
COMB30	SX	-0.65		No
COMB30	SY	-0.26		No
COMB31	CM	0.6	Linear Add	No
COMB31	SX	0.26		No
COMB31	SY	0.65		No
COMB32	CM	0.6	Linear Add	No
COMB32	SX	0.26		No
COMB32	SY	-0.65		No
COMB33	CM	0.6	Linear Add	No
COMB33	SX	-0.26		No

Table 4.9 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMB33	SY	0.66		No
COMB34	CM	0.6	Linear Add	No
COMB34	SX	-0.26		No
COMB34	SY	-0.66		No
DERUD1	CM	1.2	Linear Add	No
DERUD1	CV	1.6		No
DERUD2	CM	1.2	Linear Add	No
DERUD2	CV	1		No
DERUD2	SXD	1		No
DERUD3	CM	1.2	Linear Add	No
DERUD3	CV	1		No
DERUD3	SXD	-1		No
DERUD4	CM	1.2	Linear Add	No
DERUD4	CV	1		No
DERUD4	SYD	1		No
DERUD5	CM	1.2	Linear Add	No
DERUD5	CV	1		No
DERUD5	SYD	-1		No
DERUD6	CM	0.9	Linear Add	No
DERUD6	SXD	1		No
DERUD7	CM	0.9	Linear Add	No
DERUD7	SXD	-1		No
DERUD8	CM	0.9	Linear Add	No
DERUD8	SYD	1		No
DERUD9	CM	0.9	Linear Add	No
DERUD9	SYD	-1		No

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1 Analysis Results

This chapter provides analysis results.

1.1 Structure Results

Table 1.1 - Base Reactions

Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
PP	0	0	1496.4679	42426.6415	-67677.2504	0	0	0	0
CA	0	0	263.0796	7411.6656	-11819.0146	0	0	0	0
CV	0	0	326.1937	10152.0747	-15241.9693	0	0	0	0
SX Max	614.3486	13.0915	0	46.296	2513.3664	17717.0208	0	0	0
SY Max	10.4923	614.5008	0	2592.3456	39.3763	27612.0239	0	0	0
CIM1	0	0	2057.7414	59890.365	-94936.2346	0	0	0	0
CIM2 Max	540.6277	11.5205	1758.5477	49879.0507	-77464.5026	15590.9763	0	0	0
CIM2 Min	-540.6277	-11.5205	1758.5477	49797.5696	-81906.0277	-15590.9763	0	0	0
CIM3 Max	9.2333	540.7607	1758.5477	52119.5744	-79661.6123	24296.561	0	0	0
CIM3 Min	-9.2333	-540.7607	1758.5477	47557.0461	-79730.9162	-24296.561	0	0	0
CIM4 Max	405.4706	6.6404	2005.693	57462.9217	-89466.9205	11693.2337	0	0	0
CIM4 Min	-405.4706	-6.6404	2005.693	57421.611	-92786.5641	-11693.2337	0	0	0
CIM5 Max	6.9249	405.5705	2005.693	59163.3144	-91101.7526	16223.9356	0	0	0
CIM5 Min	-6.9249	-405.5705	2005.693	55741.4162	-91153.732	-16223.9356	0	0	0
CIM6 Max	540.6277	11.5205	1055.7266	29943.7266	-45605.9967	15590.9763	0	0	0
CIM6 Min	-540.6277	-11.5205	1055.7266	29862.2457	-50029.5216	-15590.9763	0	0	0
CIM7 Max	9.2333	540.7607	1055.7266	32164.2503	-47763.1062	24296.561	0	0	0
CIM7 Min	-9.2333	-540.7607	1055.7266	27621.722	-47652.4121	-24296.561	0	0	0

1.2 Point Results

Table 1.2 - Joint Reactions

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1	1	PP	0.5559	-0.2951	3.0026	0.005	0.021	0.0005
Base	1	1	CA	0.0433	-0.0162	0.1646	0.0002	0.0019	0.0001
Base	1	1	CV	0.1064	-0.0395	0.4599	0.0004	0.0046	0.0001
Base	1	1	SX Max	1.9123	0.4733	6.6023	0.0163	0.1039	0.0042
Base	1	1	SY Max	0.1731	0.2553	0.6535	0.0516	0.0197	0.0021
Base	1	1	CIM1	0.7056	-0.3509	3.6472	0.0056	0.0275	0.0007
Base	1	1	CIM2 Max	2.282	0.1051	9.1733	0.0195	0.1144	0.0042
Base	1	1	CIM2 Min	-1.0836	-0.7276	-2.7987	-0.0092	-0.0685	-0.0031
Base	1	1	CIM3 Max	0.7515	-0.0867	3.9364	0.0506	0.0402	0.0024
Base	1	1	CIM3 Min	0.4469	-0.536	2.4362	-0.0405	0.0056	-0.0012
Base	1	1	CIM4 Max	1.9411	-0.0266	6.0217	0.0162	0.0949	0.0034
Base	1	1	CIM4 Min	-0.5831	-0.6533	-0.9573	-0.0053	-0.0422	-0.0021
Base	1	1	CIM5 Max	0.7932	-0.1725	4.0955	0.0397	0.0393	0.002
Base	1	1	CIM5 Min	0.5648	-0.5095	2.9666	-0.0267	0.0134	-0.0007
Base	1	1	CIM6 Max	2.0423	0.2297	7.5964	0.0174	0.1052	0.004
Base	1	1	CIM6 Min	-1.3233	-0.6033	-4.0737	-0.0112	-0.0777	-0.0033
Base	1	1	CIM7 Max	0.5116	0.0379	2.6635	0.0457	0.0311	0.0022

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1	1	CIM7 Min	0.2072	-0.4115	1.1612	-0.0425	-0.0036	-0.0015
Base	2	2	PP	-0.5156	-0.2961	2.7604	0.0047	-0.0161	-0.0005
Base	2	2	CA	-0.0324	-0.0163	0.1575	0.0002	-0.0012	-4.046E-05
Base	2	2	CV	-0.101	-0.042	0.4464	0.0004	-0.0041	-0.0002
Base	2	2	SX Max	1.7167	0.4635	6.2904	0.0146	0.091	0.0042
Base	2	2	SY Max	0.1907	0.2415	0.9129	0.0446	0.0194	0.0017
Base	2	2	CIM1	-0.6492	-0.3545	3.3663	0.0053	-0.0234	-0.0007
Base	2	2	CIM2 Max	0.9625	0.0955	5.4535	0.0177	0.0606	0.0031
Base	2	2	CIM2 Min	-2.059	-0.7203	-2.6176	-0.0079	-0.0984	-0.0043
Base	2	2	CIM3 Max	-0.3604	-0.0999	3.7213	0.0442	-0.0022	0.0009
Base	2	2	CIM3 Min	-0.7161	-0.5249	2.1146	-0.0344	-0.0364	-0.002
Base	2	2	CIM4 Max	0.5091	-0.036	7.4659	0.0148	0.0377	0.0021
Base	2	2	CIM4 Min	-1.757	-0.6499	-0.8974	-0.0044	-0.0524	-0.0035
Base	2	2	CIM5 Max	-0.4961	-0.1646	3.6567	0.0346	-0.0096	0.0004
Base	2	2	CIM5 Min	-0.7499	-0.5033	2.6517	-0.0243	-0.0352	-0.0016
Base	2	2	CIM6 Max	1.1616	0.2204	7.2663	0.0156	0.0665	0.0034
Base	2	2	CIM6 Min	-1.6397	-0.5954	-3.7648	-0.0099	-0.0917	-0.0041
Base	2	2	CIM7 Max	-0.1611	0.025	2.5541	0.0422	0.0055	0.0011
Base	2	2	CIM7 Min	-0.4966	-0.4	0.9474	-0.0363	-0.0267	-0.0016
Base	3	3	PP	0.2401	0.3373	4.3264	-0.0107	0.0142	-0.0003
Base	3	3	CA	0.1155	0.0376	0.4757	-0.0015	0.0067	-0.0001
Base	3	3	CV	0.2735	0.0516	0.7192	-0.002	0.016	-0.0003
Base	3	3	SX Max	1.5747	0.2129	4.5032	0.0102	0.1233	0.0027
Base	3	3	SY Max	0.3643	0.4609	1.0574	0.073	0.0201	0.0005
Base	3	3	CIM1	0.6291	0.4267	5.5232	-0.0142	0.0368	-0.0006
Base	3	3	CIM2 Max	1.7414	0.5622	5.7669	-0.0032	0.1294	0.0019
Base	3	3	CIM2 Min	-1.0302	0.1676	0.5412	-0.0212	-0.0576	-0.0026
Base	3	3	CIM3 Max	0.6936	0.795	5.7346	0.0521	0.0366	-2.195E-06
Base	3	3	CIM3 Min	0.0174	-0.0463	3.8736	-0.0765	0.0032	-0.0009
Base	3	3	CIM4 Max	1.6	0.5543	6.3156	-0.007	0.1142	0.0011
Base	3	3	CIM4 Min	-0.4766	0.2733	2.3713	-0.0205	-0.0465	-0.0025
Base	3	3	CIM5 Max	0.8144	0.7311	6.0413	0.0345	0.0461	-0.0004
Base	3	3	CIM5 Min	0.3071	0.0964	4.6455	-0.0619	0.0196	-0.001
Base	3	3	CIM6 Max	1.5991	0.4123	6.6453	0.0017	0.1211	0.0021
Base	3	3	CIM6 Min	-1.1724	0.0376	-1.0604	-0.0163	-0.096	-0.0026
Base	3	3	CIM7 Max	0.5516	0.6461	3.6129	0.057	0.0302	0.0002
Base	3	3	CIM7 Min	-0.1248	-0.1962	1.9519	-0.0716	-0.0052	-0.0007
Base	4	4	PP	-0.2355	0.3343	4.0663	-0.0102	-0.0136	0.0003
Base	4	4	CA	-0.0935	0.0281	0.3795	-0.0009	-0.0054	0.0001
Base	4	4	CV	-0.2325	0.0471	0.6472	-0.0016	-0.0136	0.0003
Base	4	4	SX Max	1.4575	0.2551	4.5044	0.0106	0.1163	0.0027
Base	4	4	SY Max	0.3018	0.4633	0.9956	0.0651	0.0191	0.0005
Base	4	4	CIM1	-0.5615	0.4095	5.093	-0.0127	-0.0326	0.0006
Base	4	4	CIM2 Max	0.9537	0.5669	5.4097	-0.0016	0.0651	0.0026
Base	4	4	CIM2 Min	-1.6116	0.136	0.4519	-0.0205	-0.1231	-0.0019

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4	4	CIM3 Max	-0.0634	0.7701	5.3221	0.0461	-0.0022	0.0009
Base	4	4	CIM3 Min	-0.5946	-0.0453	3.5696	-0.0664	-0.0356	3.462E-05
Base	4	4	CIM4 Max	0.4586	0.5661	7.9041	-0.0053	0.0469	0.0025
Base	4	4	CIM4 Min	-1.4654	0.2294	1.9583	-0.0194	-0.1072	-0.0011
Base	4	4	CIM5 Max	-0.3042	0.7035	5.5864	0.0306	-0.0166	0.001
Base	4	4	CIM5 Min	-0.7026	0.0919	4.274	-0.0553	-0.0416	0.0004
Base	4	4	CIM6 Max	1.0653	0.4419	6.6314	0.0027	0.0927	0.0026
Base	4	4	CIM6 Min	-1.46	-0.007	-1.2964	-0.016	-0.1155	-0.0021
Base	4	4	CIM7 Max	0.0662	0.6252	3.5436	0.0506	0.0054	0.0007
Base	4	4	CIM7 Min	-0.463	-0.1903	1.7912	-0.0639	-0.0282	-0.0001
Base	5	5	PP	0.0006	-0.0063	3.0724	-0.0001	0.0004	-7.256E-07
Base	5	5	CA	0.0036	0.0075	0.4165	-0.0004	0.0033	-2.664E-06
Base	5	5	CV	0.0067	0.0047	0.433	-0.0001	0.0057	-5.412E-06
Base	5	5	SX Max	0.9962	0.2745	0.1149	0.0138	0.7911	0.0006
Base	5	5	SY Max	0.1437	2.4261	0.5409	0.1422	0.1026	0.0004
Base	5	5	CIM1	0.0111	0.0036	3.9239	-0.0006	0.0094	-6.802E-06
Base	5	5	CIM2 Max	0.5627	0.2407	3.5921	0.0117	0.6998	0.0005
Base	5	5	CIM2 Min	-0.574	-0.2424	3.3896	-0.0126	-0.6925	-0.0005
Base	5	5	CIM3 Max	0.1306	2.1356	4.2309	0.1246	0.094	0.0004
Base	5	5	CIM3 Min	-0.1221	-2.1376	2.751	-0.1256	-0.0866	-0.0004
Base	5	5	CIM4 Max	0.5662	0.1638	3.6915	0.0065	0.5301	0.0004
Base	5	5	CIM4 Min	-0.6494	-0.1765	3.7396	-0.0097	-0.5141	-0.0004
Base	5	5	CIM5 Max	0.1042	1.6052	4.3707	0.0932	0.0757	0.0003
Base	5	5	CIM5 Min	-0.0855	-1.5999	3.2607	-0.0944	-0.0596	-0.0003
Base	5	5	CIM6 Max	0.661	0.241	2.1957	0.0119	0.6963	0.0005
Base	5	5	CIM6 Min	-0.6756	-0.242	1.9934	-0.0124	-0.6939	-0.0005
Base	5	5	CIM7 Max	0.1291	2.1362	2.6345	0.1246	0.0925	0.0004
Base	5	5	CIM7 Min	-0.1238	-2.1372	1.3546	-0.1254	-0.0851	-0.0004
Base	6	6	PP	-0.3664	-0.544	3.4966	0.0207	-0.0122	0.0004
Base	6	6	CA	-0.2766	-0.061	0.9594	0.0014	-0.0239	-0.0004
Base	6	6	CV	-0.5032	-0.0509	1.445	0.0003	-0.0455	-0.0009
Base	6	6	SX Max	0.4205	0.2017	1.2466	0.025	0.0699	0.0022
Base	6	6	SY Max	0.3967	1.6564	7.3139	0.1182	0.0171	0.0042
Base	6	6	CIM1	-1.1463	-0.6559	5.9012	0.0225	-0.0516	-0.001
Base	6	6	CIM2 Max	-0.275	-0.4275	5.5531	0.0442	0.0255	0.0019
Base	6	6	CIM2 Min	-1.0151	-0.7625	3.3592	0.0001	-0.0976	-0.002
Base	6	6	CIM3 Max	-0.2959	1.055	10.8924	0.1261	-0.021	0.0036
Base	6	6	CIM3 Min	-0.9941	-2.265	-1.9601	-0.0819	-0.0511	-0.0037
Base	6	6	CIM4 Max	-0.7449	-0.5101	6.3627	0.0389	-0.0241	0.0007
Base	6	6	CIM4 Min	-1.3	-0.7763	4.7172	0.0059	-0.1164	-0.0022
Base	6	6	CIM5 Max	-0.7606	0.6018	10.3671	0.1004	-0.0569	0.002
Base	6	6	CIM5 Min	-1.2843	-1.6862	0.7127	-0.0556	-0.0815	-0.0035
Base	6	6	CIM6 Max	-0.0169	-0.1855	3.7707	0.0353	0.0399	0.0019
Base	6	6	CIM6 Min	-0.7571	-0.5405	1.5767	-0.0068	-0.0532	-0.002
Base	6	6	CIM7 Max	-0.0379	1.297	9.1099	0.1173	-0.0066	0.0036

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6	6	CIM7 Min	-0.7361	-2.023	-3.7625	-0.0907	-0.0367	-0.0037
Base	7	7	PP	0.2665	-0.3542	3.3143	0.0162	0.0066	-0.0004
Base	7	7	CA	0.1914	-0.0621	0.9437	0.0033	0.0209	-0.0001
Base	7	7	CV	0.3719	-0.0509	1.5404	0.0026	0.0433	-0.0001
Base	7	7	SX Max	0.4072	0.4445	1.1973	0.0207	0.0794	0.0006
Base	7	7	SY Max	0.3167	3.2064	2.9441	0.1947	0.0227	0.0044
Base	7	7	CIM1	0.5319	-0.4673	5.7964	0.0243	0.073	-0.0005
Base	7	7	CIM2 Max	0.5163	-0.0252	5.3117	0.0396	0.0996	0.0002
Base	7	7	CIM2 Min	0.1016	-0.5076	3.2044	0.0033	-0.0401	-0.0011
Base	7	7	CIM3 Max	0.7366	2.407	6.6469	0.1929	0.0496	0.0034
Base	7	7	CIM3 Min	0.1612	-3.2396	1.6672	-0.1496	0.0096	-0.0043
Base	7	7	CIM4 Max	1.0076	-0.1612	6.2035	0.0373	0.1146	6.566E-06
Base	7	7	CIM4 Min	0.4701	-0.746	4.6231	0.0099	0.0096	-0.001
Base	7	7	CIM5 Max	0.9479	1.663	7.3564	0.1521	0.0771	0.0024
Base	7	7	CIM5 Min	0.5296	-2.5721	3.4702	-0.1049	0.0472	-0.0034
Base	7	7	CIM6 Max	0.6343	0.1414	3.6065	0.0312	0.0677	0.0004
Base	7	7	CIM6 Min	-0.0624	-0.641	1.5012	-0.0053	-0.052	-0.0009
Base	7	7	CIM7 Max	0.5547	2.5736	5.1457	0.1642	0.0376	0.0036
Base	7	7	CIM7 Min	-0.0026	-3.0732	-0.036	-0.1564	-0.0021	-0.0042
Base	8	8	PP	-0.1845	-0.4569	2.2033	0.0202	-0.0052	0.0006
Base	8	8	CA	-0.0277	-0.0716	0.2276	0.0036	-0.0013	0.0001
Base	8	8	CV	-0.0141	-0.0775	0.172	0.0041	0.0001	0.0001
Base	8	8	SX Max	0.5276	0.2322	1.4161	0.0192	0.0526	0.0025
Base	8	8	SY Max	0.0619	2.0042	5.6961	0.136	0.0196	0.005
Base	8	8	CIM1	-0.2263	-0.6061	2.603	0.0276	-0.0064	0.0006
Base	8	8	CIM2 Max	0.2522	-0.3242	3.679	0.0406	0.0399	0.0026
Base	8	8	CIM2 Min	-0.6767	-0.7326	1.1631	0.0069	-0.0529	-0.0015
Base	8	8	CIM3 Max	-0.1401	1.2351	7.6214	0.1452	0.0107	0.005
Base	8	8	CIM3 Min	-0.2843	-2.2922	-2.7594	-0.0977	-0.0237	-0.0037
Base	8	8	CIM4 Max	0.1256	-0.4334	3.496	0.0394	0.0264	0.0024
Base	8	8	CIM4 Min	-0.5711	-0.7399	1.6241	0.0142	-0.0412	-0.0009
Base	8	8	CIM5 Max	-0.1667	0.7361	6.4526	0.1179	0.0065	0.004
Base	8	8	CIM5 Min	-0.2769	-1.9094	-1.3327	-0.0643	-0.0193	-0.0025
Base	8	8	CIM6 Max	0.3371	-0.1126	2.7066	0.0311	0.0425	0.0026
Base	8	8	CIM6 Min	-0.5916	-0.5214	0.2106	-0.0026	-0.0503	-0.0016
Base	8	8	CIM7 Max	-0.0552	1.4465	6.649	0.1357	0.0133	0.0045
Base	8	8	CIM7 Min	-0.1994	-2.0606	-3.7316	-0.1072	-0.0211	-0.004
Base	9	9	PP	-0.0013	0.0267	3.013	-0.0017	-0.001	5.96E-07
Base	9	9	CA	-0.0064	0.0066	0.4066	-0.0004	-0.0077	2.915E-06
Base	9	9	CV	-0.0153	0.0152	0.4172	-0.0006	-0.0142	5.704E-06
Base	9	9	SX Max	0.9202	0.0569	0.5206	0.0053	0.7261	0.0006
Base	9	9	SY Max	0.1612	2.3096	0.4626	0.1346	0.1167	0.0004
Base	9	9	CIM1	-0.0251	0.0457	3.837	-0.003	-0.0229	9.216E-06
Base	9	9	CIM2 Max	0.5001	0.1117	3.8761	0.0024	0.6302	0.0005
Base	9	9	CIM2 Min	-0.5195	-0.0447	2.9615	-0.0066	-0.6477	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	9	9	CIM3 Max	0.1321	2.0661	3.6269	0.1163	0.0939	0.0003
Base	9	9	CIM3 Min	-0.1516	-1.9992	3.0127	-0.1206	-0.1114	-0.0003
Base	9	9	CIM4 Max	0.5661	0.1035	4.0765	0.0007	0.4599	0.0004
Base	9	9	CIM4 Min	-0.6266	-0.0136	3.369	-0.0063	-0.4956	-0.0004
Base	9	9	CIM5 Max	0.0651	1.5694	4.036	0.066	0.0577	0.0003
Base	9	9	CIM5 Min	-0.1276	-1.4796	3.4274	-0.0917	-0.0964	-0.0002
Base	9	9	CIM6 Max	0.604	0.0963	2.5102	0.0033	0.6337	0.0005
Base	9	9	CIM6 Min	-0.6156	-0.0561	1.5936	-0.0059	-0.6442	-0.0005
Base	9	9	CIM7 Max	0.136	2.0527	2.459	0.1172	0.0974	0.0003
Base	9	9	CIM7 Min	-0.1477	-2.0125	1.6445	-0.1195	-0.1079	-0.0003
Base	10	10	PP	0.3613	-0.5316	3.2661	0.0195	0.0097	-0.0003
Base	10	10	CA	0.1767	-0.0673	0.795	0.002	0.0046	0.0003
Base	10	10	CV	0.2662	-0.0556	1.061	0.0011	0.0062	0.0007
Base	10	10	SX Max	0.4377	0.196	1.7346	0.0149	0.0631	0.0021
Base	10	10	SY Max	0.3963	1.7036	6.2313	0.1053	0.0142	0.004
Base	10	10	CIM1	0.6462	-0.6549	5.164	0.0227	0.0227	0.0006
Base	10	10	CIM2 Max	0.9432	-0.4266	5.6095	0.0347	0.07	0.0019
Base	10	10	CIM2 Min	0.1726	-0.7716	2.5566	0.0064	-0.041	-0.0016
Base	10	10	CIM3 Max	0.9065	0.9003	9.5666	0.1142	0.027	0.0036
Base	10	10	CIM3 Min	0.2075	-2.0964	-1.4005	-0.0711	0.002	-0.0034
Base	10	10	CIM4 Max	1.063	-0.5115	6.0366	0.0322	0.0623	0.002
Base	10	10	CIM4 Min	0.4652	-0.7703	3.749	0.0126	-0.0209	-0.0006
Base	10	10	CIM5 Max	1.037	0.4636	9.0064	0.0919	0.03	0.0033
Base	10	10	CIM5 Min	0.5112	-1.7654	0.7611	-0.0471	0.0113	-0.002
Base	10	10	CIM6 Max	0.72	-0.1669	3.9763	0.026	0.0642	0.0019
Base	10	10	CIM6 Min	-0.0504	-0.5319	0.9234	-0.0002	-0.0466	-0.0016
Base	10	10	CIM7 Max	0.6653	1.1399	7.9334	0.1056	0.0212	0.0036
Base	10	10	CIM7 Min	-0.0157	-1.6586	-3.0337	-0.0797	-0.0036	-0.0035
Base	11	11	PP	-0.266	-0.3605	3.3133	0.0166	-0.0064	0.0004
Base	11	11	CA	-0.1664	-0.062	0.6761	0.0034	-0.0176	0.0001
Base	11	11	CV	-0.3217	-0.0513	1.3731	0.0026	-0.0366	0.0001
Base	11	11	SX Max	0.4105	0.307	1.1192	0.0132	0.0769	0.0007
Base	11	11	SY Max	0.3116	2.6627	2.6394	0.1735	0.0207	0.0039
Base	11	11	CIM1	-0.7561	-0.4737	5.5645	0.0246	-0.063	0.0005
Base	11	11	CIM2 Max	-0.0732	-0.1523	5.1763	0.0336	0.0432	0.0011
Base	11	11	CIM2 Min	-0.7956	-0.6926	3.2066	0.0104	-0.0956	-0.0002
Base	11	11	CIM3 Max	-0.1602	2.0967	6.6901	0.1747	-0.006	0.0039
Base	11	11	CIM3 Min	-0.7066	-2.9417	1.6926	-0.1307	-0.0444	-0.003
Base	11	11	CIM4 Max	-0.4047	-0.2563	5.9599	0.0326	-0.0016	0.001
Base	11	11	CIM4 Min	-0.9466	-0.6635	4.4526	0.0154	-0.1059	1.966E-05
Base	11	11	CIM5 Max	-0.47	1.4255	7.0952	0.1356	-0.0401	0.0031
Base	11	11	CIM5 Min	-0.8613	-2.3503	3.3473	-0.0904	-0.0675	-0.0021
Base	11	11	CIM6 Max	0.1006	0.0166	3.4996	0.0246	0.0537	0.0009
Base	11	11	CIM6 Min	-0.6219	-0.5236	1.53	0.0016	-0.0551	-0.0004
Base	11	11	CIM7 Max	0.0135	2.2657	5.0135	0.1659	0.0025	0.0037

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	11	11	CIM7 Min	-0.5348	-2.7727	0.0162	-0.1395	-0.034	-0.0032
Base	12	12	PP	0.1991	-0.4569	2.0589	0.0194	0.0042	-0.0005
Base	12	12	CA	0.0595	-0.0753	0.3444	0.0034	0.0016	9.711E-06
Base	12	12	CV	0.0308	-0.0766	0.2279	0.0037	0.0001	-0.0001
Base	12	12	SX Max	0.5346	0.166	1.6062	0.0127	0.0464	0.0025
Base	12	12	SY Max	0.1083	1.6107	4.6173	0.1137	0.0196	0.0048
Base	12	12	CIM1	0.2693	-0.609	2.6312	0.0264	0.0058	-0.0006
Base	12	12	CIM2 Max	0.729	-0.3685	3.9927	0.034	0.0466	0.0016
Base	12	12	CIM2 Min	-0.2119	-0.6959	0.6136	0.0115	-0.0352	-0.0027
Base	12	12	CIM3 Max	0.3539	1.0612	6.6425	0.1226	0.023	0.0037
Base	12	12	CIM3 Min	0.1632	-2.1256	-1.636	-0.0773	-0.0116	-0.0048
Base	12	12	CIM4 Max	0.6345	-0.4671	3.7663	0.0339	0.0364	0.0011
Base	12	12	CIM4 Min	-0.0712	-0.7126	1.3621	0.0171	-0.0249	-0.0022
Base	12	12	CIM5 Max	0.3531	0.6052	5.7536	0.1006	0.0167	0.0026
Base	12	12	CIM5 Min	0.2101	-1.7649	-0.6052	-0.0495	-0.0072	-0.0037
Base	12	12	CIM6 Max	0.6256	-0.1557	3.0314	0.0249	0.0443	0.0016
Base	12	12	CIM6 Min	-0.3153	-0.463	-0.1475	0.0024	-0.0374	-0.0025
Base	12	12	CIM7 Max	0.2505	1.2741	5.6512	0.1137	0.0207	0.0039
Base	12	12	CIM7 Min	0.0596	-1.9127	-2.7973	-0.0864	-0.0139	-0.0046
Base	13	13	PP	-0.7779	-0.7382	11.6999	0.165	-0.176	0.0001
Base	13	13	CA	-0.0442	-0.1623	1.9406	0.0444	0.002	-0.0007
Base	13	13	CV	-0.0155	-0.2351	3.2399	0.0495	0.0309	-0.0011
Base	13	13	SX Max	2.1322	0.1455	9.6319	0.0917	0.6951	0.344
Base	13	13	SY Max	0.0639	2.0697	9.6905	0.6948	0.0557	0.2261
Base	13	13	CIM1	-0.6377	-1.1556	16.6606	0.2589	-0.1431	-0.0017
Base	13	13	CIM2 Max	1.0542	-0.7924	22.2927	0.2901	0.6162	0.3022
Base	13	13	CIM2 Min	-2.6965	-1.0485	4.9667	0.1267	-0.9643	-0.3033
Base	13	13	CIM3 Max	-0.7463	0.9009	22.1663	0.9966	-0.1251	0.2001
Base	13	13	CIM3 Min	-0.696	-2.7416	5.1131	-0.576	-0.223	-0.2013
Base	13	13	CIM4 Max	0.5735	-1.0006	22.5597	0.3071	0.4419	0.2256
Base	13	13	CIM4 Min	-2.2411	-1.1926	9.5616	0.186	-0.7436	-0.2265
Base	13	13	CIM5 Max	-0.7764	0.2692	22.4664	0.8371	-0.1141	0.1491
Base	13	13	CIM5 Min	-0.5891	-2.4626	9.6749	-0.344	-0.1676	-0.1519
Base	13	13	CIM6 Max	1.3631	-0.4242	16.6365	0.2083	0.6659	0.3024
Base	13	13	CIM6 Min	-2.3697	-0.6803	-0.4676	0.0449	-0.6947	-0.3031
Base	13	13	CIM7 Max	-0.4195	1.2691	16.7121	0.913	-0.0554	0.2004
Base	13	13	CIM7 Min	-0.5671	-2.3736	-0.3432	-0.6616	-0.1534	-0.201
Base	14	14	PP	0.7647	-0.7383	11.4134	0.1654	0.177	-6.076E-06
Base	14	14	CA	0.0462	-0.1675	1.836	0.0469	-0.0016	0.0006
Base	14	14	CV	0.0253	-0.2404	3.1124	0.0516	-0.0314	0.0012
Base	14	14	SX Max	2.0391	0.1169	10.0537	0.0643	0.906	0.3363
Base	14	14	SY Max	0.0653	2.0173	9.5265	0.6719	0.0445	0.1941
Base	14	14	CIM1	0.6391	-1.1663	16.3618	0.2641	0.1439	0.002
Base	14	14	CIM2 Max	2.6053	-0.623	22.0966	0.2669	0.9725	0.2967
Base	14	14	CIM2 Min	-0.9636	-1.0266	4.4021	0.1557	-0.622	-0.2952

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	14	14	CIM3 Max	0.6683	0.6493	21.6345	0.9796	0.2144	0.1715
Base	14	14	CIM3 Min	0.7534	-2.7011	4.8643	-0.555	0.1361	-0.17
Base	14	14	CIM4 Max	2.1779	-1.029	22.2191	0.2936	0.7497	0.2236
Base	14	14	CIM4 Min	-0.5135	-1.1634	5.9463	0.2087	-0.4463	-0.2203
Base	14	14	CIM5 Max	0.6751	0.2252	21.6725	0.6266	0.1611	0.1297
Base	14	14	CIM5 Min	0.7689	-2.4376	9.2949	-0.3243	0.1223	-0.1264
Base	14	14	CIM6 Max	2.2609	-0.4526	16.7969	0.184	0.9024	0.2964
Base	14	14	CIM6 Min	-1.306	-0.6564	-0.8976	0.0706	-0.6921	-0.2955
Base	14	14	CIM7 Max	0.544	1.2197	16.3347	0.6947	0.1443	0.1712
Base	14	14	CIM7 Min	0.429	-2.3307	-0.4355	-0.6399	0.066	-0.1703
Base	17	15	PP	0.4176	0.4571	2.7569	-0.0159	0.0133	-0.0001
Base	17	15	CA	0.0507	0.0742	0.4657	-0.0025	0.0033	-0.0001
Base	17	15	CV	0.1095	0.0629	0.513	-0.0019	0.0048	-0.0002
Base	17	15	SX Max	1.24	0.2603	3.3403	0.0228	0.0762	0.005
Base	17	15	SY Max	0.2144	1.7141	5.0141	0.1019	0.0217	0.0046
Base	17	15	CIM1	0.606	0.5942	3.7375	-0.0203	0.0214	-0.0003
Base	17	15	CIM2 Max	1.5697	0.7604	6.1639	0.0017	0.0655	0.0042
Base	17	15	CIM2 Min	-0.5927	0.3022	0.2651	-0.0365	-0.0522	-0.0045
Base	17	15	CIM3 Max	0.6672	2.0397	7.6369	0.0713	0.0356	0.0041
Base	17	15	CIM3 Min	0.3096	-0.9771	-1.1679	-0.1061	-0.0025	-0.0044
Base	17	15	CIM4 Max	1.3991	0.7503	5.6136	-0.0048	0.0719	0.003
Base	17	15	CIM4 Min	-0.2376	0.4066	1.4047	-0.0349	-0.0314	-0.0036
Base	17	15	CIM5 Max	0.7222	1.7097	6.9166	0.0474	0.0346	0.0029
Base	17	15	CIM5 Min	0.4391	-0.5529	0.2999	-0.0871	0.0059	-0.0034
Base	17	15	CIM6 Max	1.3903	0.5479	4.6741	0.009	0.0768	0.0043
Base	17	15	CIM6 Min	-0.7921	0.0697	-1.0047	-0.0311	-0.0569	-0.0045
Base	17	15	CIM7 Max	0.4676	1.6272	6.3471	0.0766	0.0291	0.0041
Base	17	15	CIM7 Min	0.1104	-1.1696	-2.4777	-0.1007	-0.0092	-0.0043
Base	18	16	PP	0.14	0.5499	3.7216	-0.0236	0.009	-0.0002
Base	18	16	CA	0.0611	0.0662	0.6546	-0.0036	0.0037	-0.0001
Base	18	16	CV	0.0763	0.0696	0.7406	-0.0037	0.0045	-0.0001
Base	18	16	SX Max	0.9574	0.1142	1.5895	0.009	0.0995	0.0025
Base	18	16	SY Max	0.2059	1.7075	6.0754	0.1149	0.019	0.0004
Base	18	16	CIM1	0.2774	0.7256	5.1169	-0.0311	0.0172	-0.0005
Base	18	16	CIM2 Max	1.0436	0.7366	5.7639	-0.0195	0.1002	0.0019
Base	18	16	CIM2 Min	-0.6415	0.5356	2.9669	-0.0354	-0.0746	-0.0026
Base	18	16	CIM3 Max	0.3522	2.1367	9.7226	0.0737	0.0294	4.356E-05
Base	18	16	CIM3 Min	0.0199	-0.6665	-0.97	-0.1265	-0.004	-0.0007
Base	18	16	CIM4 Max	0.6902	0.7786	5.9674	-0.0242	0.0617	0.0012
Base	18	16	CIM4 Min	-0.3736	0.6279	3.6762	-0.0361	-0.0496	-0.0021
Base	18	16	CIM5 Max	0.3942	1.6302	6.9416	0.0457	0.0266	-0.0001
Base	18	16	CIM5 Min	0.1224	-0.4237	0.922	-0.106	0.0035	-0.0007
Base	18	16	CIM6 Max	0.9632	0.4622	4.0334	-0.0065	0.0951	0.002
Base	18	16	CIM6 Min	-0.7219	0.2611	1.2163	-0.0244	-0.0799	-0.0024
Base	18	16	CIM7 Max	0.3016	1.6642	7.9722	0.0647	0.0243	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	18	16	CIM7 Min	-0.0605	-1.1209	-2.7205	-0.1176	-0.0091	-0.0006
Base	19	17	PP	0.0683	0.5366	3.5326	-0.0236	0.0043	-0.0001
Base	19	17	CA	0.0057	0.0797	0.5422	-0.0035	0.0006	-1.626E-05
Base	19	17	CV	0.0042	0.0541	0.6747	-0.0035	0.001	-1.745E-05
Base	19	17	SX Max	1.9434	0.1306	1.5255	0.006	0.1466	0.0041
Base	19	17	SY Max	0.0431	1.6952	4.6527	0.1177	0.0057	0.0001
Base	19	17	CIM1	0.0762	0.7026	4.7495	-0.0306	0.0062	-0.0002
Base	19	17	CIM2 Max	1.7642	0.7334	5.4172	-0.0216	0.1359	0.0035
Base	19	17	CIM2 Min	-1.6362	0.5036	2.7324	-0.0324	-0.1257	-0.0036
Base	19	17	CIM3 Max	0.112	2.1103	6.3716	0.0765	0.0101	-1.741E-05
Base	19	17	CIM3 Min	0.036	-0.5733	-0.222	-0.1307	0.0001	-0.0003
Base	19	17	CIM4 Max	1.3596	0.7677	5.5876	-0.0256	0.104	0.0026
Base	19	17	CIM4 Min	-1.2055	0.5954	3.574	-0.0337	-0.0922	-0.0029
Base	19	17	CIM5 Max	0.1057	1.6004	7.6034	0.046	0.0097	-0.0001
Base	19	17	CIM5 Min	0.0467	-0.4373	1.3562	-0.1074	0.0022	-0.0002
Base	19	17	CIM6 Max	1.7546	0.466	3.7573	-0.011	0.1339	0.0036
Base	19	17	CIM6 Min	-1.6656	0.2562	1.1025	-0.0216	-0.1277	-0.0037
Base	19	17	CIM7 Max	0.0824	1.6629	6.7417	0.0673	0.0081	3.606E-05
Base	19	17	CIM7 Min	0.0064	-1.1207	-1.8519	-0.1195	-0.0019	-0.0002
Base	20	18	PP	-0.2722	0.463	2.4962	-0.0156	-0.0034	-0.0004
Base	20	18	CA	-0.0605	0.0627	0.4177	-0.0019	-0.0021	0.0001
Base	20	18	CV	-0.0627	0.0557	0.4653	-0.0014	-0.0039	0.0002
Base	20	18	SX Max	0.3692	0.2332	1.2278	0.0113	0.0369	0.0024
Base	20	18	SY Max	0.5139	1.578	5.7696	0.0606	0.0093	0.0034
Base	20	18	CIM1	-0.4154	0.5615	3.4012	-0.0191	-0.0095	-0.0002
Base	20	18	CIM2 Max	-0.0078	0.731	3.9964	-0.0078	0.0269	0.0017
Base	20	18	CIM2 Min	-0.6575	0.3206	1.6354	-0.0276	-0.0361	-0.0025
Base	20	18	CIM3 Max	0.1196	1.9144	7.9932	0.0534	0.0026	0.0027
Base	20	18	CIM3 Min	-0.7649	-0.6626	-2.1613	-0.0865	-0.0136	-0.0034
Base	20	18	CIM4 Max	-0.151	0.7214	4.0903	-0.0113	0.0156	0.0013
Base	20	18	CIM4 Min	-0.6363	0.4136	2.4695	-0.0262	-0.0329	-0.0016
Base	20	18	CIM5 Max	-0.0555	1.609	7.0576	0.0346	-0.0024	0.002
Base	20	18	CIM5 Min	-0.7339	-0.4739	-0.5251	-0.072	-0.0147	-0.0025
Base	20	18	CIM6 Max	0.1253	0.5207	2.6301	-0.0007	0.0292	0.0019
Base	20	18	CIM6 Min	-0.5245	0.1103	0.6891	-0.0205	-0.0359	-0.0023
Base	20	18	CIM7 Max	0.2527	1.7041	6.6266	0.0604	0.0046	0.0026
Base	20	18	CIM7 Min	-0.6516	-1.0732	-3.3277	-0.0817	-0.0116	-0.0032
Base	31	23	PP	0.266	-0.5335	2.6202	0.019	0.0037	-0.0005
Base	31	23	CA	0.0553	-0.0469	0.3507	0.0013	0.0025	0.0001
Base	31	23	CV	0.09	-0.0413	0.4594	0.0008	0.0052	0.0003
Base	31	23	SX Max	0.2595	0.2902	1.5616	0.0105	0.0532	0.0016
Base	31	23	SY Max	0.5271	1.6354	6.4606	0.0956	0.0127	0.0039
Base	31	23	CIM1	0.4363	-0.6217	3.6903	0.0211	0.0113	-0.0001
Base	31	23	CIM2 Max	0.6011	-0.325	4.575	0.0296	0.0529	0.0012
Base	31	23	CIM2 Min	0.0915	-0.6356	1.6266	0.011	-0.0406	-0.002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	31	23	CIM3 Max	0.5102	1.0348	6.5863	0.1045	0.0173	0.003
Base	31	23	CIM3 Min	-0.1175	-2.1955	-2.4647	-0.0636	-0.005	-0.0036
Base	31	23	CIM4 Max	0.6049	-0.4196	4.5966	0.0279	0.0451	0.001
Base	31	23	CIM4 Min	0.2227	-0.8029	2.5372	0.014	-0.0251	-0.0014
Base	31	23	CIM5 Max	0.7617	0.6	7.832	0.084	0.0164	0.0024
Base	31	23	CIM5 Min	0.0659	-1.6227	-0.6962	-0.0422	0.0016	-0.0026
Base	31	23	CIM6 Max	0.4626	-0.0926	3.2947	0.0215	0.0505	0.0014
Base	31	23	CIM6 Min	-0.047	-0.6036	0.5463	0.0029	-0.0431	-0.0016
Base	31	23	CIM7 Max	0.6716	1.2669	7.606	0.0964	0.0148	0.0032
Base	31	23	CIM7 Min	-0.256	-1.9634	-3.765	-0.072	-0.0075	-0.0037
Base	40	19	PP	0.3729	0.5057	3.4213	-0.0179	0.0113	0.0003
Base	40	19	CA	0.2509	0.0699	1.2059	-0.0016	0.0169	-0.0004
Base	40	19	CV	0.4732	0.1464	1.9066	-0.003	0.0334	-0.0007
Base	40	19	SX Max	0.4207	0.2948	1.0096	0.0316	0.0565	0.0026
Base	40	19	SY Max	0.3495	1.4639	6.079	0.0957	0.015	0.0035
Base	40	19	CIM1	1.1271	0.744	6.5336	-0.0226	0.0637	-0.0009
Base	40	19	CIM2 Max	1.0241	0.655	5.5156	0.0053	0.06	0.0023
Base	40	19	CIM2 Min	0.2536	0.3362	3.7366	-0.0473	-0.0195	-0.0025
Base	40	19	CIM3 Max	0.9614	1.6636	9.9767	0.0647	0.0435	0.003
Base	40	19	CIM3 Min	0.3463	-0.6927	-0.7223	-0.1037	0.017	-0.0032
Base	40	19	CIM4 Max	1.2664	0.9014	6.7234	-0.001	0.0926	0.0011
Base	40	19	CIM4 Min	0.7311	0.5123	5.3906	-0.0426	0.016	-0.0025
Base	40	19	CIM5 Max	1.2394	1.6731	10.0693	0.0413	0.0652	0.0017
Base	40	19	CIM5 Min	0.7761	-0.2593	2.045	-0.0849	0.0454	-0.003
Base	40	19	CIM6 Max	0.7626	0.6167	3.6647	0.0161	0.0679	0.0023
Base	40	19	CIM6 Min	0.0221	0.098	1.6579	-0.0395	-0.0316	-0.0025
Base	40	19	CIM7 Max	0.6996	1.6456	6.1256	0.0725	0.0314	0.003
Base	40	19	CIM7 Min	0.0646	-0.9309	-2.5732	-0.0959	0.0049	-0.0032
Base	41	20	PP	-0.3702	0.5034	3.4097	-0.0176	-0.0111	-0.0003
Base	41	20	CA	-0.2741	0.065	1.1799	-0.0013	-0.0163	0.0004
Base	41	20	CV	-0.4651	0.1452	1.8569	-0.0029	-0.0326	0.0007
Base	41	20	SX Max	0.4171	0.256	1.017	0.0299	0.0565	0.0026
Base	41	20	SY Max	0.3666	1.4372	6.0771	0.0936	0.0139	0.0034
Base	41	20	CIM1	-1.1094	0.7336	6.4765	-0.022	-0.062	0.0006
Base	41	20	CIM2 Max	-0.2772	0.6137	5.4645	0.0071	0.0203	0.0025
Base	41	20	CIM2 Min	-1.0114	0.3631	3.6946	-0.0455	-0.0791	-0.0022
Base	41	20	CIM3 Max	-0.3217	1.6532	9.9374	0.0634	-0.0172	0.0031
Base	41	20	CIM3 Min	-0.9669	-0.6764	-0.7563	-0.1017	-0.0417	-0.0029
Base	41	20	CIM4 Max	-0.7176	0.8663	6.676	-0.0016	-0.0166	0.0024
Base	41	20	CIM4 Min	-1.2664	0.5254	5.3336	-0.041	-0.0911	-0.0011
Base	41	20	CIM5 Max	-0.7512	1.6459	10.0156	0.0406	-0.0446	0.0029
Base	41	20	CIM5 Min	-1.2351	-0.2513	1.9939	-0.0833	-0.063	-0.0016
Base	41	20	CIM6 Max	-0.0195	0.5783	3.6467	0.0148	0.0321	0.0024
Base	41	20	CIM6 Min	-0.7537	0.1276	1.6566	-0.0376	-0.0673	-0.0023
Base	41	20	CIM7 Max	-0.064	1.6176	6.1016	0.0711	-0.0054	0.0031

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	41	20	CIM7 Min	-0.7092	-0.9117	-2.5941	-0.0941	-0.0299	-0.0029
Base	42	245	PP	-0.3894	-0.0005	1.2292	-3.297E-05	-0.0062	1.246E-06
Base	42	245	CA	-0.0735	3.61E-05	0.2641	-0.0001	0.0001	-1.705E-05
Base	42	245	CV	-0.0832	0.0001	0.316	-0.0001	0.0012	-2.016E-05
Base	42	245	SX Max	1.2163	0.1069	3.4013	0.0685	0.0364	0.0157
Base	42	245	SY Max	0.4069	0.4257	0.9377	0.2699	0.0133	0.0623
Base	42	245	CIM1	-0.5461	-0.0004	1.6092	-0.0002	-0.0069	-3.597E-05
Base	42	245	CIM2 Max	0.6074	0.0954	4.4864	0.0601	0.0257	0.0136
Base	42	245	CIM2 Min	-1.5332	-0.0964	-1.4999	-0.0604	-0.0419	-0.0136
Base	42	245	CIM3 Max	-0.1048	0.3742	2.3164	0.2374	0.0036	0.0546
Base	42	245	CIM3 Min	-0.621	-0.3751	0.6661	-0.2376	-0.0196	-0.0546
Base	42	245	CIM4 Max	0.2775	0.0715	3.9751	0.045	0.0161	0.0103
Base	42	245	CIM4 Min	-1.326	-0.0723	-0.5146	-0.0454	-0.0326	-0.0104
Base	42	245	CIM5 Max	-0.2567	0.2606	2.3491	0.1779	0.0016	0.0411
Base	42	245	CIM5 Min	-0.7938	-0.2614	1.1114	-0.1763	-0.016	-0.0411
Base	42	245	CIM6 Max	0.7926	0.0956	3.8691	0.0602	0.029	0.0136
Base	42	245	CIM6 Min	-1.3461	-0.0962	-2.0972	-0.0603	-0.0387	-0.0136
Base	42	245	CIM7 Max	0.0503	0.3744	1.7211	0.2374	0.0069	0.0546
Base	42	245	CIM7 Min	-0.6356	-0.3749	0.0706	-0.2376	-0.0166	-0.0546
Base	43	21	PP	-0.3023	-0.4076	2.6523	0.0117	-0.0052	0.0002
Base	43	21	CA	-0.0416	-0.0356	0.275	0.0008	-0.0016	-2.976E-05
Base	43	21	CV	-0.0606	-0.0266	0.296	0.0003	-0.0034	-0.0001
Base	43	21	SX Max	0.3066	0.1949	1.0963	0.0167	0.0552	0.0019
Base	43	21	SY Max	0.2046	0.7161	2.9142	0.0484	0.0113	0.0024
Base	43	21	CIM1	-0.4046	-0.4696	3.2554	0.0126	-0.0103	0.0001
Base	43	21	CIM2 Max	-0.0724	-0.2717	3.9239	0.0272	0.0417	0.0019
Base	43	21	CIM2 Min	-0.6155	-0.6146	1.9906	-0.0022	-0.0555	-0.0015
Base	43	21	CIM3 Max	-0.1637	0.1687	5.5218	0.0551	0.0031	0.0023
Base	43	21	CIM3 Min	-0.5241	-1.0751	0.3926	-0.0301	-0.0166	-0.0019
Base	43	21	CIM4 Max	-0.1659	-0.3345	3.9056	0.0237	0.027	0.0014
Base	43	21	CIM4 Min	-0.5932	-0.5916	2.456	0.0017	-0.0459	-0.0011
Base	43	21	CIM5 Max	-0.2544	0.0107	5.1043	0.0446	-0.002	0.0017
Base	43	21	CIM5 Min	-0.5247	-0.9371	1.2575	-0.0192	-0.0169	-0.0015
Base	43	21	CIM6 Max	0.0652	-0.0944	2.7409	0.0222	0.0445	0.0018
Base	43	21	CIM6 Min	-0.4779	-0.4375	0.6079	-0.0072	-0.0527	-0.0016
Base	43	21	CIM7 Max	-0.0262	0.366	4.3369	0.0501	0.0056	0.0022
Base	43	21	CIM7 Min	-0.3866	-0.6976	-0.7901	-0.0351	-0.0141	-0.002
Base	44	246	PP	0.4706	-0.0007	1.7032	1.669E-06	0.0136	-1.625E-05
Base	44	246	CA	0.0655	-0.0001	0.2664	0.0001	-0.0006	-1.731E-05
Base	44	246	CV	0.0736	0.0002	0.3742	-0.0001	-0.0031	2.506E-05
Base	44	246	SX Max	1.7067	0.0944	4.7397	0.0615	0.0723	0.0105
Base	44	246	SY Max	0.2691	0.7032	0.6597	0.4343	0.0111	0.0765
Base	44	246	CIM1	0.6099	-0.0006	2.3636	-2.612E-05	0.0099	-6.475E-06
Base	44	246	CIM2 Max	2.036	0.0522	6.1605	0.0543	0.0766	0.0092
Base	44	246	CIM2 Min	-0.9656	-0.0539	-2.1613	-0.054	-0.0507	-0.0093

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	44	246	CIM3 Max	0.7905	0.616	2.5702	0.3823	0.0227	0.0673
Base	44	246	CIM3 Min	0.2617	-0.6196	1.409	-0.3821	0.0032	-0.0673
Base	44	246	CIM4 Max	1.7179	0.0617	5.3964	0.0406	0.0554	0.0069
Base	44	246	CIM4 Min	-0.535	-0.0629	-0.8579	-0.0406	-0.0371	-0.007
Base	44	246	CIM5 Max	0.7823	0.4635	2.7057	0.2667	0.018	0.0505
Base	44	246	CIM5 Min	0.4006	-0.4647	1.6346	-0.2667	0.0034	-0.0505
Base	44	246	CIM6 Max	1.6236	0.0626	5.3647	0.0542	0.0714	0.0093
Base	44	246	CIM6 Min	-1.1602	-0.0636	-2.9771	-0.0541	-0.0559	-0.0093
Base	44	246	CIM7 Max	0.5761	0.6163	1.7743	0.3823	0.0175	0.0673
Base	44	246	CIM7 Min	0.0673	-0.6193	0.6132	-0.3822	-0.0019	-0.0673
Base	45	22	PP	-0.4063	-0.4154	3.2142	0.0127	-0.0122	0.0001
Base	45	22	CA	-0.0122	-0.0364	0.2362	0.0011	0.0008	4.299E-05
Base	45	22	CV	-0.0002	-0.0275	0.1676	0.0007	0.0019	3.262E-05
Base	45	22	SX Max	0.6541	0.1268	2.2583	0.0309	0.0642	0.0027
Base	45	22	SY Max	0.1732	0.6251	2.6053	0.0672	0.0151	0.0023
Base	45	22	CIM1	-0.4167	-0.4793	3.64	0.0145	-0.0095	0.0001
Base	45	22	CIM2 Max	0.1571	-0.3364	5.4397	0.041	0.0451	0.0024
Base	45	22	CIM2 Min	-0.9941	-0.5652	1.4651	-0.0133	-0.0679	-0.0022
Base	45	22	CIM3 Max	-0.2661	0.0953	5.9211	0.073	0.0019	0.0021
Base	45	22	CIM3 Min	-0.5709	-1.0019	0.9537	-0.0453	-0.0247	-0.0019
Base	45	22	CIM4 Max	0.013	-0.3674	5.0636	0.0347	0.0324	0.0019
Base	45	22	CIM4 Min	-0.6504	-0.5574	2.1026	-0.006	-0.0524	-0.0016
Base	45	22	CIM5 Max	-0.3044	-0.0599	5.4446	0.0587	9.957E-06	0.0016
Base	45	22	CIM5 Min	-0.533	-0.6649	1.7416	-0.03	-0.02	-0.0014
Base	45	22	CIM6 Max	0.3245	-0.1577	4.0566	0.0355	0.0497	0.0024
Base	45	22	CIM6 Min	-0.6267	-0.3644	0.0641	-0.0169	-0.0633	-0.0023
Base	45	22	CIM7 Max	-0.0967	0.279	4.5401	0.0674	0.0065	0.0021
Base	45	22	CIM7 Min	-0.4035	-0.6211	-0.3972	-0.0506	-0.0202	-0.002
Base	55	24	PP	0.4236	0.564	3.6796	-0.022	0.0129	0.0003
Base	55	24	CA	0.1776	0.0646	0.6071	-0.0021	0.0035	-0.0003
Base	55	24	CV	0.2747	0.0624	1.0702	-0.0016	0.0046	-0.0006
Base	55	24	SX Max	0.5676	0.2097	2.0924	0.025	0.0716	0.0023
Base	55	24	SY Max	0.2761	1.7196	6.2076	0.1201	0.0133	0.0041
Base	55	24	CIM1	0.5763	0.691	5.5569	-0.0259	0.0211	-0.0007
Base	55	24	CIM2 Max	1.1166	0.6132	6.326	-0.0021	0.0796	0.002
Base	55	24	CIM2 Min	0.0645	0.444	2.6454	-0.0462	-0.0467	-0.0021
Base	55	24	CIM3 Max	0.6446	2.1418	9.9495	0.0616	0.0261	0.0036
Base	55	24	CIM3 Min	0.3567	-0.6646	-0.9762	-0.1299	0.0048	-0.0037
Base	55	24	CIM4 Max	1.1955	0.6136	6.6703	-0.009	0.0673	0.0011
Base	55	24	CIM4 Min	0.4196	0.537	3.9064	-0.042	-0.0275	-0.002
Base	55	24	CIM5 Max	0.9599	1.6103	9.3665	0.0536	0.0287	0.0022
Base	55	24	CIM5 Min	0.6254	-0.4595	1.1922	-0.1046	0.0112	-0.0032
Base	55	24	CIM6 Max	0.6761	0.5617	4.5333	0.0075	0.0731	0.002
Base	55	24	CIM6 Min	-0.1561	0.1926	0.6507	-0.0365	-0.0533	-0.0021
Base	55	24	CIM7 Max	0.6039	1.6904	6.1549	0.0912	0.0216	0.0036

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	55	24	CIM7 Min	0.116	-1.1361	-2.7705	-0.1202	-0.0016	-0.0036
Base	56	25	PP	0.0037	-0.5266	1.9173	0.0163	0.0035	0.0006
Base	56	25	CA	0.0069	-0.0651	0.2539	0.0017	0.0056	0.0014
Base	56	25	CV	-0.0109	-0.0517	0.2033	0.0013	-0.0056	-0.0011
Base	56	25	SX Max	0.5247	0.2004	0.7424	0.0068	0.4199	0.0683
Base	56	25	SY Max	0.1255	1.707	5.4342	0.069	0.0661	0.0119
Base	56	25	CIM1	-0.0003	-0.6454	2.3744	0.0192	0.0066	0.0009
Base	56	25	CIM2 Max	0.4724	-0.4174	2.6245	0.024	0.3619	0.0621
Base	56	25	CIM2 Min	-0.4512	-0.77	1.5178	0.0119	-0.3571	-0.0581
Base	56	25	CIM3 Max	0.121	0.9084	6.9533	0.0787	0.0705	0.0125
Base	56	25	CIM3 Min	-0.0996	-2.0959	-2.611	-0.0426	-0.0457	-0.0065
Base	56	25	CIM4 Max	0.3466	-0.5002	2.8136	0.0234	0.2652	0.0463
Base	56	25	CIM4 Min	-0.3439	-0.7647	1.6336	0.0144	-0.2691	-0.0439
Base	56	25	CIM5 Max	0.0653	0.4941	5.9102	0.0644	0.0517	0.009
Base	56	25	CIM5 Min	-0.0604	-1.7591	-1.263	-0.0267	-0.0355	-0.0067
Base	56	25	CIM6 Max	0.4661	-0.1799	1.956	0.0166	0.3769	0.0613
Base	56	25	CIM6 Min	-0.4554	-0.5326	0.6494	0.0047	-0.3621	-0.0589
Base	56	25	CIM7 Max	0.1166	1.1459	6.0646	0.0715	0.0656	0.0117
Base	56	25	CIM7 Min	-0.1041	-1.6584	-3.4795	-0.05	-0.0507	-0.0093
Base	57	26	PP	-0.4166	0.5629	3.6567	-0.022	-0.0127	-0.0003
Base	57	26	CA	-0.1592	0.0636	0.7246	-0.0023	-0.0029	0.0003
Base	57	26	CV	-0.2573	0.0591	0.9977	-0.0017	-0.0046	0.0006
Base	57	26	SX Max	0.5762	0.169	2.0792	0.0244	0.0679	0.0023
Base	57	26	SY Max	0.3426	1.4311	5.7593	0.1037	0.0123	0.0033
Base	57	26	CIM1	-0.5353	0.6657	5.3611	-0.026	-0.0202	0.0006
Base	57	26	CIM2 Max	-0.0692	0.7929	6.213	-0.0026	0.0442	0.002
Base	57	26	CIM2 Min	-1.0669	0.4602	2.5536	-0.0456	-0.0754	-0.002
Base	57	26	CIM3 Max	-0.2764	1.6659	9.4515	0.067	-0.0046	0.0029
Base	57	26	CIM3 Min	-0.5797	-0.6329	-0.6646	-0.1155	-0.0264	-0.0029
Base	57	26	CIM4 Max	-0.3694	0.7956	6.5039	-0.0094	0.0256	0.0019
Base	57	26	CIM4 Min	-1.1526	0.5461	3.7594	-0.0417	-0.0639	-0.0011
Base	57	26	CIM5 Max	-0.5447	1.6154	8.9327	0.0429	-0.0109	0.0026
Base	57	26	CIM5 Min	-0.9973	-0.2736	1.3305	-0.094	-0.0271	-0.0017
Base	57	26	CIM6 Max	0.162	0.5423	4.4597	0.0069	0.0504	0.002
Base	57	26	CIM6 Min	-0.5556	0.2096	0.6003	-0.0361	-0.0691	-0.002
Base	57	26	CIM7 Max	-0.0451	1.6353	7.6961	0.0767	0.0015	0.0029
Base	57	26	CIM7 Min	-0.6465	-0.6635	-2.4352	-0.1056	-0.0202	-0.0029
Base	61	31	PP	0.4324	0.4032	3.4339	-0.0123	0.0139	-4.179E-05
Base	61	31	CA	0.1144	0.0507	0.6421	-0.001	0.0024	-0.0002
Base	61	31	CV	0.1745	0.0579	0.8675	-0.0007	0.0032	-0.0003
Base	61	31	SX Max	0.675	0.1672	2.5763	0.0224	0.0715	0.0024
Base	61	31	SY Max	0.1202	0.5869	2.3254	0.0703	0.0229	0.0022
Base	61	31	CIM1	0.7213	0.5116	4.9636	-0.0139	0.0196	-0.0005
Base	61	31	CIM2 Max	1.1407	0.601	6.3432	0.0065	0.0793	0.0019
Base	61	31	CIM2 Min	-0.0472	0.3068	1.6069	-0.0329	-0.0466	-0.0023

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	61	31	CIM3 Max	0.6526	0.9721	6.1224	0.0457	0.0365	0.0017
Base	61	31	CIM3 Min	0.4409	-0.0643	2.0296	-0.0751	-0.0036	-0.0021
Base	61	31	CIM4 Max	1.1231	0.6077	6.4421	0.001	0.066	0.0011
Base	61	31	CIM4 Min	0.2321	0.357	3.0413	-0.0265	-0.0265	-0.002
Base	61	31	CIM5 Max	0.757	0.656	6.2765	0.0327	0.0339	0.001
Base	61	31	CIM5 Min	0.5963	0.1066	3.2069	-0.0601	0.0036	-0.0019
Base	61	31	CIM6 Max	0.922	0.4195	4.7126	0.0116	0.0727	0.002
Base	61	31	CIM6 Min	-0.2659	0.1252	0.1765	-0.0276	-0.0532	-0.0022
Base	61	31	CIM7 Max	0.4339	0.7906	4.492	0.0539	0.0299	0.0016
Base	61	31	CIM7 Min	0.2222	-0.2459	0.3992	-0.0696	-0.0104	-0.0021
Base	62	32	PP	-0.4294	0.4042	3.4336	-0.0123	-0.0137	3.455E-05
Base	62	32	CA	-0.1066	0.0529	0.6396	-0.001	-0.0016	0.0002
Base	62	32	CV	-0.1705	0.0596	0.6974	-0.0007	-0.0029	0.0003
Base	62	32	SX Max	0.6701	0.206	2.6761	0.0203	0.0707	0.0023
Base	62	32	SY Max	0.1767	0.5661	2.4679	0.0663	0.0207	0.0019
Base	62	32	CIM1	-0.7065	0.5167	4.971	-0.014	-0.0184	0.0005
Base	62	32	CIM2 Max	0.0537	0.6364	6.4265	0.0046	0.0467	0.0022
Base	62	32	CIM2 Min	-1.1257	0.2758	1.7166	-0.0312	-0.0776	-0.0016
Base	62	32	CIM3 Max	-0.3767	0.9571	6.2453	0.0466	0.0026	0.0019
Base	62	32	CIM3 Min	-0.6933	-0.0429	1.9016	-0.0734	-0.0336	-0.0015
Base	62	32	CIM4 Max	-0.2216	0.6377	6.5129	-0.0004	0.029	0.0019
Base	62	32	CIM4 Min	-1.1061	0.3656	2.9604	-0.0272	-0.0644	-0.0011
Base	62	32	CIM5 Max	-0.5459	0.6767	6.3755	0.0313	-0.004	0.0017
Base	62	32	CIM5 Min	-0.7616	0.1266	3.1176	-0.0569	-0.0314	-0.0009
Base	62	32	CIM6 Max	0.2661	0.4555	4.7991	0.0099	0.0529	0.0021
Base	62	32	CIM6 Min	-0.9113	0.093	0.0892	-0.0259	-0.0716	-0.0019
Base	62	32	CIM7 Max	-0.1643	0.7742	4.6159	0.0521	0.0068	0.0016
Base	62	32	CIM7 Min	-0.4769	-0.2257	0.2724	-0.0661	-0.0276	-0.0016
Base	63	33	PP	0.1201	-0.6309	4.6361	0.0329	0.0065	0.0001
Base	63	33	CA	0.0264	-0.1221	0.7533	0.0046	0.001	3.057E-05
Base	63	33	CV	0.001	-0.1155	0.7965	0.0043	-0.0009	-3.49E-05
Base	63	33	SX Max	1.0167	0.6209	2.8606	0.0266	0.111	0.0041
Base	63	33	SY Max	0.4547	2.0526	8.621	0.1267	0.0266	0.0007
Base	63	33	CIM1	0.1476	-1.0684	6.4179	0.0418	0.0065	0.0001
Base	63	33	CIM2 Max	1.043	-0.4066	8.1357	0.0609	0.1051	0.0037
Base	63	33	CIM2 Min	-0.7499	-1.4994	3.1041	0.0141	-0.0903	-0.0035
Base	63	33	CIM3 Max	0.5467	0.6797	13.2079	0.1507	0.0326	0.0007
Base	63	33	CIM3 Min	-0.2535	-2.7857	-1.9651	-0.0757	-0.0177	-0.0005
Base	63	33	CIM4 Max	0.6197	-0.6296	8.1066	0.0562	0.06	0.0026
Base	63	33	CIM4 Min	-0.525	-1.4494	4.3306	0.0232	-0.0665	-0.0026
Base	63	33	CIM5 Max	0.4474	0.3349	11.9057	0.1256	0.0256	0.0005
Base	63	33	CIM5 Min	-0.1527	-2.4141	0.5269	-0.0442	-0.0121	-0.0004
Base	63	33	CIM6 Max	0.9644	-0.0254	5.6902	0.0459	0.1022	0.0036
Base	63	33	CIM6 Min	-0.5065	-1.1162	0.5555	-0.0009	-0.0932	-0.0035
Base	63	33	CIM7 Max	0.4661	1.2609	10.9594	0.1357	0.0296	0.0007

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	63	33	CIM7 Min	-0.3122	-2.4045	-4.2137	-0.0907	-0.0207	-0.0005
Base	64	34	PP	0.0021	0.5447	1.9692	-0.0166	0.0014	-0.0002
Base	64	34	CA	0.0144	0.0549	0.3216	-0.0024	0.01	-0.0017
Base	64	34	CV	0.0259	0.0542	0.3506	-0.0021	0.0181	-0.0032
Base	64	34	SX Max	0.5609	0.1169	0.2659	0.0048	0.2359	0.043
Base	64	34	SY Max	0.0999	1.7909	5.6096	0.073	0.0443	0.0065
Base	64	34	CIM1	0.0424	0.7137	2.6415	-0.0211	0.0294	-0.0052
Base	64	34	CIM2 Max	0.5101	0.7342	2.5425	-0.0146	0.219	0.0359
Base	64	34	CIM2 Min	-0.4771	0.5249	2.0394	-0.0232	-0.1962	-0.0399
Base	64	34	CIM3 Max	0.1044	2.2056	7.2274	0.0452	0.0503	0.0055
Base	64	34	CIM3 Min	-0.0715	-0.9464	-2.6454	-0.0832	-0.0276	-0.0095
Base	64	34	CIM4 Max	0.4062	0.7712	2.7426	-0.0174	0.1606	0.024
Base	64	34	CIM4 Min	-0.3343	0.6142	2.3652	-0.0237	-0.1306	-0.0326
Base	64	34	CIM5 Max	0.1019	1.6747	6.2562	0.0276	0.0541	0.0013
Base	64	34	CIM5 Min	-0.03	-0.4693	-1.1454	-0.0667	-0.0043	-0.01
Base	64	34	CIM6 Max	0.5035	0.4624	1.6262	-0.0072	0.2144	0.0367
Base	64	34	CIM6 Min	-0.4637	0.2731	1.123	-0.0156	-0.2006	-0.0391
Base	64	34	CIM7 Max	0.0976	1.9537	6.311	0.0526	0.0456	0.0063
Base	64	34	CIM7 Min	-0.0761	-1.1982	-3.5618	-0.0756	-0.0321	-0.0067
Base	65	35	PP	-0.1419	-0.6242	4.7945	0.0326	-0.0084	-0.0001
Base	65	35	CA	-0.0264	-0.1197	0.6236	0.0041	-0.0013	-4.254E-05
Base	65	35	CV	-0.0107	-0.1179	0.6327	0.0042	9.525E-06	6.604E-06
Base	65	35	SX Max	0.993	0.5654	2.939	0.0212	0.1101	0.0041
Base	65	35	SY Max	0.3662	2.0267	6.6625	0.1272	0.0265	0.0007
Base	65	35	CIM1	-0.151	-1.0619	6.4506	0.0406	-0.0097	-0.0002
Base	65	35	CIM2 Max	0.7035	-0.4266	6.2044	0.0553	0.0672	0.0035
Base	65	35	CIM2 Min	-1.0441	-1.4591	3.0316	0.016	-0.1067	-0.0038
Base	65	35	CIM3 Max	0.1537	0.6395	13.2411	0.1486	0.0135	0.0004
Base	65	35	CIM3 Min	-0.4944	-2.7274	-2.0049	-0.0753	-0.033	-0.0006
Base	65	35	CIM4 Max	0.477	-0.646	8.1623	0.0536	0.0629	0.0026
Base	65	35	CIM4 Min	-0.5337	-1.4186	4.3029	0.0256	-0.0524	-0.0029
Base	65	35	CIM5 Max	0.0647	0.3052	11.9599	0.1237	0.0077	0.0003
Base	65	35	CIM5 Min	-0.4214	-2.37	0.5254	-0.0441	-0.0272	-0.0006
Base	65	35	CIM6 Max	0.7716	-0.0512	5.9572	0.0407	0.0911	0.0035
Base	65	35	CIM6 Min	-0.976	-1.0516	0.7646	0.0033	-0.1026	-0.0037
Base	65	35	CIM7 Max	0.2216	1.2171	10.9939	0.1339	0.0174	0.0005
Base	65	35	CIM7 Min	-0.4262	-2.3486	-4.2521	-0.0899	-0.0291	-0.0007
Base	66	36	PP	-0.0026	0.5449	1.9625	-0.0167	-0.0016	0.0003
Base	66	36	CA	-0.0172	0.0531	0.2936	-0.0024	-0.0116	0.002
Base	66	36	CV	-0.0317	0.0544	0.3367	-0.0022	-0.0219	0.0039
Base	66	36	SX Max	0.5921	0.1541	0.3609	0.0065	0.245	0.045
Base	66	36	SY Max	0.0905	1.6068	5.6067	0.0719	0.037	0.0073
Base	66	36	CIM1	-0.0516	0.7124	2.595	-0.0213	-0.0354	0.0062
Base	66	36	CIM2 Max	0.5011	0.7636	2.5739	-0.0134	0.2021	0.042
Base	66	36	CIM2 Min	-0.541	0.4924	1.9367	-0.0248	-0.229	-0.0373

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	66	36	CIM3 Max	0.0596	2.2196	7.366	0.0442	0.0192	0.0066
Base	66	36	CIM3 Min	-0.0996	-0.9636	-2.6554	-0.0625	-0.046	-0.0041
Base	66	36	CIM4 Max	0.3471	0.793	2.7466	-0.0165	0.1316	0.035
Base	66	36	CIM4 Min	-0.4345	0.5696	2.2722	-0.025	-0.1916	-0.0245
Base	66	36	CIM5 Max	0.016	1.6851	6.3441	0.0267	-0.0054	0.0101
Base	66	36	CIM5 Min	-0.1034	-0.5025	-1.3234	-0.0662	-0.0543	0.0004
Base	66	36	CIM6 Max	0.5091	0.5124	1.6714	-0.0058	0.2075	0.0411
Base	66	36	CIM6 Min	-0.533	0.2412	1.0362	-0.0172	-0.2236	-0.0362
Base	66	36	CIM7 Max	0.0676	1.9686	6.4655	0.0516	0.0245	0.0076
Base	66	36	CIM7 Min	-0.0916	-1.215	-3.7579	-0.0746	-0.0407	-0.005
Base	69	37	PP	-0.4425	-0.051	3.1726	0.0009	-0.0206	-0.0002
Base	69	37	CA	-0.0965	-0.0179	0.664	0.0007	-0.0049	-3.265E-05
Base	69	37	CV	-0.102	0.0077	0.6172	-0.0011	-0.0052	-0.0001
Base	69	37	SX Max	1.047	0.3919	5.0495	0.0229	0.0611	0.0015
Base	69	37	SY Max	0.4125	0.5139	1.3554	0.0602	0.0261	0.0017
Base	69	37	CIM1	-0.641	-0.0612	4.4736	0.0005	-0.0309	-0.0003
Base	69	37	CIM2 Max	0.3623	0.276	6.3001	0.0216	0.0457	0.0011
Base	69	37	CIM2 Min	-1.4603	-0.4136	-0.587	-0.0166	-0.0971	-0.0016
Base	69	37	CIM3 Max	-0.176	0.3633	5.0493	0.0546	-0.0027	0.0013
Base	69	37	CIM3 Min	-0.902	-0.5211	2.6636	-0.0514	-0.0467	-0.0017
Base	69	37	CIM4 Max	0.0755	0.1955	7.6521	0.0159	0.0239	0.0007
Base	69	37	CIM4 Min	-1.3065	-0.3216	0.9866	-0.0144	-0.0831	-0.0013
Base	69	37	CIM5 Max	-0.3433	0.276	5.214	0.0405	-0.0124	0.0006
Base	69	37	CIM5 Min	-0.8676	-0.4023	3.4249	-0.039	-0.0466	-0.0014
Base	69	37	CIM6 Max	0.5979	0.3035	6.7575	0.0211	0.0559	0.0012
Base	69	37	CIM6 Min	-1.2447	-0.3662	-2.1297	-0.0192	-0.0866	-0.0015
Base	69	37	CIM7 Max	0.0396	0.4109	3.5067	0.0539	0.0076	0.0013
Base	69	37	CIM7 Min	-0.6864	-0.4935	1.1211	-0.052	-0.0364	-0.0016
Base	70	36	PP	0.4592	-0.0496	3.2246	0.0004	0.0215	0.0002
Base	70	36	CA	0.1046	0.0005	0.665	-0.0008	0.0051	0.0001
Base	70	36	CV	0.1057	0.0166	0.5971	-0.0019	0.0052	0.0001
Base	70	36	SX Max	1.0676	0.3464	5.2439	0.0196	0.0626	0.0015
Base	70	36	SY Max	0.3466	0.4664	1.0964	0.0636	0.0203	0.0016
Base	70	36	CIM1	0.6697	-0.0326	4.4667	-0.0022	0.0316	0.0004
Base	70	36	CIM2 Max	1.5211	0.2555	6.5043	0.0169	0.0995	0.0016
Base	70	36	CIM2 Min	-0.393	-0.3541	-0.725	-0.0176	-0.0463	-0.0011
Base	70	36	CIM3 Max	0.671	0.3629	4.6562	0.0556	0.0444	0.0017
Base	70	36	CIM3 Min	0.257	-0.4615	2.923	-0.0563	0.0056	-0.0011
Base	70	36	CIM4 Max	1.3611	0.1917	7.7964	0.0112	0.0652	0.0014
Base	70	36	CIM4 Min	-0.0745	-0.2655	0.6764	-0.0147	-0.0242	-0.0006
Base	70	36	CIM5 Max	0.6735	0.2722	5.0623	0.0402	0.0439	0.0014
Base	70	36	CIM5 Min	0.413	-0.346	3.6125	-0.0437	0.0171	-0.0007
Base	70	36	CIM6 Max	1.2955	0.2752	6.9464	0.017	0.0859	0.0015
Base	70	36	CIM6 Min	-0.6166	-0.3344	-2.2609	-0.0175	-0.0569	-0.0012
Base	70	36	CIM7 Max	0.6454	0.3626	3.3003	0.0557	0.0336	0.0016

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	70	36	CIM7 Min	0.0314	-0.4416	1.3672	-0.0561	-0.0019	-0.0013
Base	64	39	PP	-0.1792	0.0005	0.6566	0.0007	0.0007	0.0002
Base	64	39	CA	0.1367	-1.165E-05	-0.2544	0.0001	0.005	3.436E-05
Base	64	39	CV	0.3261	0.0005	-0.6602	-1.502E-05	0.0167	-1.366E-05
Base	64	39	SX Max	0.7216	0.1425	1.7919	0.0356	0.0228	0.0115
Base	64	39	SY Max	0.1322	0.0743	0.4694	0.0239	0.005	0.0073
Base	64	39	CIM1	0.2537	0.001	-0.256	0.0006	0.0254	0.0002
Base	64	39	CIM2 Max	0.5926	0.1259	1.9611	0.0321	0.0266	0.0103
Base	64	39	CIM2 Min	-0.6775	-0.1249	-1.1727	-0.0305	-0.0113	-0.0099
Base	64	39	CIM3 Max	0.0739	0.0659	0.8172	0.0216	0.0131	0.0067
Base	64	39	CIM3 Min	-0.1566	-0.0649	-0.0056	-0.0202	0.0043	-0.0063
Base	64	39	CIM4 Max	0.6764	0.0949	1.0917	0.0243	0.0363	0.0076
Base	64	39	CIM4 Min	-0.2741	-0.0932	-1.2736	-0.0227	0.0062	-0.0074
Base	64	39	CIM5 Max	0.2694	0.0499	0.2166	0.0166	0.0245	0.005
Base	64	39	CIM5 Min	0.1149	-0.0462	-0.4007	-0.015	0.0179	-0.0047
Base	64	39	CIM6 Max	0.6095	0.1257	1.6194	0.0316	0.0253	0.0102
Base	64	39	CIM6 Min	-0.6605	-0.1251	-1.3344	-0.0306	-0.0146	-0.01
Base	64	39	CIM7 Max	0.0909	0.0657	0.6556	0.0215	0.0096	0.0066
Base	64	39	CIM7 Min	-0.1416	-0.0651	-0.1705	-0.0205	0.0008	-0.0063
Base	65	40	PP	0.3059	0.0016	1.4665	0.0013	0.0035	-0.0001
Base	65	40	CA	-0.1063	-0.0013	0.0632	0.001	-0.0167	-0.0002
Base	65	40	CV	-0.2666	-0.0026	-0.0615	0.0016	-0.0335	-0.0003
Base	65	40	SX Max	0.7792	0.3105	2.5766	0.1419	0.0351	0.0256
Base	65	40	SY Max	0.6172	0.2646	2.8463	0.1268	0.0209	0.0256
Base	65	40	CIM1	-0.0672	-0.0026	1.4662	0.0041	-0.0464	-0.0006
Base	65	40	CIM2 Max	0.6653	0.2735	3.6371	0.1272	0.018	0.0249
Base	65	40	CIM2 Min	-0.4861	-0.273	-0.6977	-0.1226	-0.0436	-0.0254
Base	65	40	CIM3 Max	0.9167	0.2507	4.0762	0.1139	0.0055	0.0223
Base	65	40	CIM3 Min	-0.5196	-0.2502	-0.9366	-0.1093	-0.0313	-0.0226
Base	65	40	CIM4 Max	0.5137	0.2031	3.2091	0.0973	-0.0146	0.0164
Base	65	40	CIM4 Min	-0.5146	-0.2066	-0.192	-0.09	-0.0612	-0.0194
Base	65	40	CIM5 Max	0.5366	0.156	3.3685	0.0874	-0.0242	0.0164
Base	65	40	CIM5 Min	-0.5399	-0.1697	-0.3713	-0.06	-0.0516	-0.0174
Base	65	40	CIM6 Max	0.6054	0.2734	3.2092	0.1263	0.0231	0.025
Base	65	40	CIM6 Min	-0.5659	-0.2731	-1.3256	-0.1235	-0.0366	-0.0253
Base	65	40	CIM7 Max	0.5369	0.2506	3.4464	0.113	0.0107	0.0224
Base	65	40	CIM7 Min	-0.5994	-0.2503	-1.5647	-0.1102	-0.0261	-0.0227
Base	67	42	PP	0.1627	0.0006	0.6664	0.0007	-0.0005	-0.0002
Base	67	42	CA	-0.11	0.0003	-0.1961	0.0001	-0.0067	-1.263E-05
Base	67	42	CV	-0.2732	0.0006	-0.5475	-4.329E-05	-0.0141	2.199E-05
Base	67	42	SX Max	0.7307	0.1462	1.8151	0.0373	0.023	0.012
Base	67	42	SY Max	0.1194	0.079	0.4562	0.0235	0.0044	0.0073
Base	67	42	CIM1	-0.2005	0.0015	-0.0774	0.0007	-0.0213	-0.0002
Base	67	42	CIM2 Max	0.7157	0.1313	2.0677	0.0336	0.013	0.0104
Base	67	42	CIM2 Min	-0.5703	-0.1295	-1.1269	-0.0321	-0.0275	-0.0107

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	87	42	CIM3 Max	0.1776	0.0705	0.6716	0.0214	-0.0033	0.0063
Base	87	42	CIM3 Min	-0.0323	-0.0686	0.0689	-0.0199	-0.0111	-0.0066
Base	87	42	CIM4 Max	0.3501	0.0992	1.2575	0.0253	-0.0026	0.0076
Base	87	42	CIM4 Min	-0.6144	-0.0964	-1.1364	-0.0239	-0.033	-0.0061
Base	87	42	CIM5 Max	-0.0534	0.0535	0.3606	0.0162	-0.0146	0.0047
Base	87	42	CIM5 Min	-0.211	-0.0506	-0.2416	-0.0146	-0.0207	-0.005
Base	87	42	CIM6 Max	0.6666	0.131	1.6795	0.0333	0.0159	0.0105
Base	87	42	CIM6 Min	-0.5994	-0.1296	-1.3151	-0.0324	-0.0246	-0.0107
Base	87	42	CIM7 Max	0.1467	0.0701	0.6637	0.0211	-0.0004	0.0063
Base	87	42	CIM7 Min	-0.0614	-0.069	-0.1192	-0.0202	-0.0062	-0.0066
Base	88	41	PP	-0.3389	0.0015	1.3372	0.0005	-0.0049	4.36E-05
Base	88	41	CA	0.0243	-0.0005	0.1541	0.0007	0.006	0.0001
Base	88	41	CV	0.0946	-0.0013	0.114	0.0013	0.0159	0.0003
Base	88	41	SX Max	0.5426	0.2903	2.6676	0.1471	0.0303	0.0324
Base	88	41	SY Max	0.6769	0.479	2.0956	0.2205	0.0169	0.0496
Base	88	41	CIM1	-0.22	-0.0003	1.6053	0.0025	0.0169	0.0004
Base	88	41	CIM2 Max	0.4269	0.2564	3.6366	0.1306	0.0297	0.0267
Base	88	41	CIM2 Min	-1.0561	-0.2544	-0.8562	-0.1263	-0.0236	-0.0263
Base	88	41	CIM3 Max	0.261	0.4225	3.3356	0.1952	0.0178	0.0436
Base	88	41	CIM3 Min	-0.9103	-0.4205	-0.353	-0.1928	-0.0116	-0.0434
Base	88	41	CIM4 Max	0.3125	0.1916	3.3374	0.0993	0.035	0.0217
Base	88	41	CIM4 Min	-0.7996	-0.1915	-0.1636	-0.0949	-0.005	-0.021
Base	88	41	CIM5 Max	0.2031	0.3162	2.96	0.1477	0.0261	0.0331
Base	88	41	CIM5 Min	-0.6904	-0.3161	0.1935	-0.1433	0.0036	-0.0323
Base	88	41	CIM6 Max	0.5527	0.256	3.2423	0.1302	0.0265	0.0266
Base	88	41	CIM6 Min	-0.9303	-0.2546	-1.4527	-0.1267	-0.0246	-0.0264
Base	88	41	CIM7 Max	0.4069	0.4221	2.7391	0.1947	0.0167	0.0437
Base	88	41	CIM7 Min	-0.7644	-0.4209	-0.9495	-0.1933	-0.013	-0.0435
Base	93	43	PP	0.2909	0.0009	1.1644	0.0011	0.0029	-0.0002
Base	93	43	CA	0.0173	-0.0001	0.0899	0.0001	-0.0005	-2.54E-05
Base	93	43	CV	-0.0043	-0.0003	0.0432	0.0002	-0.0016	-4.20E-05
Base	93	43	SX Max	0.5747	0.3061	1.7269	0.1076	0.0223	0.0275
Base	93	43	SY Max	0.4435	0.1596	1.3526	0.0544	0.009	0.0139
Base	93	43	CIM1	0.3039	0.0005	1.2976	0.0015	0.0009	-0.0002
Base	93	43	CIM2 Max	0.6139	0.2702	2.7756	0.0959	0.0221	0.024
Base	93	43	CIM2 Min	-0.1975	-0.2665	-0.2671	-0.0934	-0.0172	-0.0243
Base	93	43	CIM3 Max	0.6954	0.1413	2.4713	0.0491	0.0104	0.0121
Base	93	43	CIM3 Min	-0.0621	-0.1397	0.0375	-0.0466	-0.0055	-0.0124
Base	93	43	CIM4 Max	0.6642	0.2026	2.4279	0.0724	0.016	0.0179
Base	93	43	CIM4 Min	-0.0743	-0.2014	0.1457	-0.0696	-0.0134	-0.0183
Base	93	43	CIM5 Max	0.5976	0.106	2.1995	0.0373	0.0072	0.009
Base	93	43	CIM5 Min	0.0123	-0.1046	0.3741	-0.0345	-0.0047	-0.0094
Base	93	43	CIM6 Max	0.6906	0.2699	2.274	0.0954	0.0211	0.0241
Base	93	43	CIM6 Min	-0.3206	-0.2689	-0.7666	-0.0939	-0.0161	-0.0243
Base	93	43	CIM7 Max	0.5752	0.141	1.9695	0.0486	0.0094	0.0121

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	93	43	CIM7 Min	-0.2053	-0.14	-0.4643	-0.0471	-0.0065	-0.0124
Base	94	44	PP	0.476	-0.0006	1.5937	-0.0005	0.0116	3.227E-05
Base	94	44	CA	0.0792	-0.0001	0.2656	-0.0001	0.0026	5.346E-06
Base	94	44	CV	0.1455	-0.0003	0.3374	-0.0001	0.0054	0
Base	94	44	SX Max	1.3772	0.3006	4.1141	0.1153	0.0479	0.0261
Base	94	44	SY Max	0.1129	0.1923	0.2062	0.0656	0.0046	0.0159
Base	94	44	CIM1	0.7027	-0.0012	2.137	-0.0007	0.0196	4.052E-05
Base	94	44	CIM2 Max	1.7691	0.2636	5.42	0.1006	0.0566	0.023
Base	94	44	CIM2 Min	-0.6547	-0.2655	-1.8209	-0.1021	-0.0277	-0.023
Base	94	44	CIM3 Max	0.6565	0.1683	1.9611	0.0599	0.0167	0.014
Base	94	44	CIM3 Min	0.4579	-0.1702	1.6161	-0.0612	0.0102	-0.0139
Base	94	44	CIM4 Max	1.5752	0.1972	4.766	0.0754	0.0501	0.0173
Base	94	44	CIM4 Min	-0.2427	-0.1995	-0.6627	-0.0766	-0.0132	-0.0172
Base	94	44	CIM5 Max	0.7408	0.1256	2.1666	0.0447	0.0216	0.0105
Base	94	44	CIM5 Min	0.5916	-0.1261	1.9165	-0.0461	0.0153	-0.0104
Base	94	44	CIM6 Max	1.5462	0.264	4.7002	0.1011	0.0506	0.023
Base	94	44	CIM6 Min	-0.5776	-0.2651	-2.5407	-0.1016	-0.0335	-0.023
Base	94	44	CIM7 Max	0.4336	0.1686	1.2612	0.0602	0.0129	0.014
Base	94	44	CIM7 Min	0.235	-0.1696	0.6963	-0.0609	0.0044	-0.014
Base	95	45	PP	0.0004	0.4135	1.5366	-0.0095	-1.816E-05	-5.15E-06
Base	95	45	CA	0.0002	0.0426	0.15	-0.0011	1.479E-05	-5.777E-06
Base	95	45	CV	0.0002	0.0404	0.1376	-0.001	-4.734E-05	3.496E-06
Base	95	45	SX Max	0.6919	0.1223	0.3597	0.0041	0.4154	0.0836
Base	95	45	SY Max	0.1126	0.9796	3.1643	0.0366	0.0524	0.0111
Base	95	45	CIM1	0.0006	0.4965	1.6242	-0.0116	-0.0001	-7.43E-06
Base	95	45	CIM2 Max	0.6094	0.5637	2.0031	-0.0069	0.3656	0.0737
Base	95	45	CIM2 Min	-0.6063	0.3465	1.3701	-0.0142	-0.3656	-0.0737
Base	95	45	CIM3 Max	0.0999	1.3161	4.4666	0.0216	0.0461	0.0097
Base	95	45	CIM3 Min	-0.0967	-0.406	-1.1156	-0.0427	-0.0461	-0.0097
Base	95	45	CIM4 Max	0.4574	0.5671	2.0272	-0.0066	0.2741	0.0553
Base	95	45	CIM4 Min	-0.4559	0.4057	1.5524	-0.014	-0.2742	-0.0553
Base	95	45	CIM5 Max	0.0752	1.1329	3.8914	0.0126	0.0345	0.0073
Base	95	45	CIM5 Min	-0.0737	-0.1601	-0.3116	-0.0354	-0.0346	-0.0073
Base	95	45	CIM6 Max	0.6092	0.3613	1.3265	-0.0027	0.3656	0.0737
Base	95	45	CIM6 Min	-0.6065	0.166	0.6955	-0.01	-0.3656	-0.0737
Base	95	45	CIM7 Max	0.0996	1.1357	3.8141	0.0256	0.0461	0.0097
Base	95	45	CIM7 Min	-0.0969	-0.5684	-1.7902	-0.0365	-0.0461	-0.0097
Base	105	46	PP	0.3916	-0.0003	1.2073	-0.002	0.0068	0.0004
Base	105	46	CA	0.0646	0.0001	0.2396	-0.0004	0.0016	0.0001
Base	105	46	CV	0.0974	0.0003	0.2737	-0.0005	0.0017	0.0001
Base	105	46	SX Max	0.5603	0.1915	2.3922	0.062	0.0275	0.017
Base	105	46	SY Max	0.4767	0.1613	1.5261	0.0548	0.005	0.0151
Base	105	46	CIM1	0.5736	0.0001	1.7205	-0.0028	0.0101	0.0005
Base	105	46	CIM2 Max	1.251	0.1663	3.552	0.0522	0.0326	0.0154
Base	105	46	CIM2 Min	-0.2962	-0.1667	-0.6563	-0.057	-0.0156	-0.0145

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	105	46	CIM3 Max	0.6977	0.1594	2.7696	0.0459	0.0126	0.0136
Base	105	46	CIM3 Min	0.0552	-0.1586	0.1039	-0.0506	0.0039	-0.0129
Base	105	46	CIM4 Max	1.1305	0.1264	3.231	0.0382	0.0276	0.0117
Base	105	46	CIM4 Min	-0.0315	-0.1263	0.0732	-0.0437	-0.0084	-0.0107
Base	105	46	CIM5 Max	0.6654	0.1197	2.6593	0.0335	0.013	0.0105
Base	105	46	CIM5 Min	0.2335	-0.1196	0.6449	-0.0369	0.0064	-0.0095
Base	105	46	CIM6 Max	1.0605	0.1664	2.9732	0.0531	0.0292	0.0152
Base	105	46	CIM6 Min	-0.4666	-0.1666	-1.237	-0.056	-0.0191	-0.0147
Base	105	46	CIM7 Max	0.7071	0.1595	2.2111	0.0466	0.0095	0.0136
Base	105	46	CIM7 Min	-0.1354	-0.1597	-0.4749	-0.0497	0.0006	-0.0131
Base	106	250	PP	-0.5136	-6.65E-06	1.6294	-1.486E-05	-0.0154	-2.368E-06
Base	106	250	CA	-0.0864	-1.995E-05	0.3576	-5.619E-06	-0.0023	-7.494E-07
Base	106	250	CV	-0.1393	-2.407E-05	0.5256	-1.45E-05	-0.0032	-2.14E-06
Base	106	250	SX Max	1.6524	0.0619	5.2056	0.0252	0.0674	0.0051
Base	106	250	SY Max	0.1209	0.5721	0.27	0.4646	0.005	0.0774
Base	106	250	CIM1	-0.7493	-0.0001	2.7127	-3.499E-05	-0.0209	-5.258E-06
Base	106	250	CIM2 Max	0.6765	0.0544	6.7651	0.0222	0.0415	0.0044
Base	106	250	CIM2 Min	-2.0805	-0.0545	-2.3935	-0.0222	-0.077	-0.0044
Base	106	250	CIM3 Max	-0.5037	0.5035	2.4247	0.409	-0.0133	0.0661
Base	106	250	CIM3 Min	-0.7164	-0.5035	1.9495	-0.409	-0.0222	-0.0662
Base	106	250	CIM4 Max	0.3959	0.0408	6.017	0.0166	0.0243	0.0033
Base	106	250	CIM4 Min	-1.8249	-0.0409	-0.8544	-0.0167	-0.0646	-0.0033
Base	106	250	CIM5 Max	-0.6347	0.3776	2.7595	0.3067	-0.0166	0.0511
Base	106	250	CIM5 Min	-0.7943	-0.3777	2.4031	-0.3068	-0.0234	-0.0511
Base	106	250	CIM6 Max	1.1145	0.0544	5.6932	0.0222	0.0486	0.0044
Base	106	250	CIM6 Min	-1.8465	-0.0545	-3.2667	-0.0222	-0.0699	-0.0044
Base	106	250	CIM7 Max	-0.2597	0.5035	1.5499	0.409	-0.0062	0.0661
Base	106	250	CIM7 Min	-0.4724	-0.5035	1.0747	-0.409	-0.0151	-0.0662
Base	107	47	PP	-0.3213	-0.0014	1.5316	-0.0012	-0.0049	-0.0001
Base	107	47	CA	0.0379	0.0005	0.2757	-0.0007	0.0102	-0.0001
Base	107	47	CV	0.1056	0.0009	0.336	-0.0012	0.0194	-0.0002
Base	107	47	SX Max	0.6171	0.2612	2.7405	0.1206	0.0353	0.0249
Base	107	47	SY Max	0.7553	0.2776	2.6163	0.1227	0.0199	0.0249
Base	107	47	CIM1	-0.1776	0.0001	2.1434	-0.0031	0.0246	-0.0004
Base	107	47	CIM2 Max	0.4356	0.2466	4.2191	0.1042	0.0363	0.0217
Base	107	47	CIM2 Min	-1.0025	-0.2464	-0.6042	-0.1061	-0.0256	-0.0221
Base	107	47	CIM3 Max	0.3512	0.2434	4.1115	0.1061	0.0227	0.0216
Base	107	47	CIM3 Min	-0.9451	-0.2451	-0.4956	-0.1099	-0.0122	-0.0221
Base	107	47	CIM4 Max	0.3352	0.1655	3.6662	0.0766	0.0431	0.0161
Base	107	47	CIM4 Min	-0.7434	-0.1656	0.2507	-0.0824	-0.0035	-0.0167
Base	107	47	CIM5 Max	0.2944	0.1631	3.7675	0.0782	0.0329	0.0161
Base	107	47	CIM5 Min	-0.7026	-0.1634	0.3314	-0.0838	0.0067	-0.0166
Base	107	47	CIM6 Max	0.5489	0.247	3.4961	0.105	0.0342	0.0216
Base	107	47	CIM6 Min	-0.8691	-0.246	-1.3271	-0.1073	-0.0279	-0.022
Base	107	47	CIM7 Max	0.4945	0.2438	3.3685	0.1066	0.0206	0.0216

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	107	47	CIM7 Min	-0.6347	-0.2446	-1.2196	-0.1091	-0.0143	-0.0221
Base	110	46	PP	0.3225	-0.0014	1.5317	-0.0012	0.0051	0.0001
Base	110	46	CA	-0.033	0.0006	0.2616	-0.0007	-0.0097	0.0001
Base	110	46	CV	-0.1006	0.0009	0.3376	-0.0012	-0.0167	0.0002
Base	110	46	SX Max	0.8191	0.2613	2.7637	0.1209	0.0354	0.0249
Base	110	46	SY Max	0.7252	0.2779	2.5327	0.1228	0.0165	0.025
Base	110	46	CIM1	0.1689	0.0001	2.1511	-0.0031	-0.0233	0.0003
Base	110	46	CIM2 Max	1.0103	0.2467	4.2456	0.1045	0.0265	0.0221
Base	110	46	CIM2 Min	-0.4313	-0.2464	-0.6166	-0.1063	-0.0357	-0.0217
Base	110	46	CIM3 Max	0.9277	0.2437	4.0422	0.1062	0.0117	0.0221
Base	110	46	CIM3 Min	-0.3467	-0.2454	-0.4152	-0.1099	-0.0209	-0.0216
Base	110	46	CIM4 Max	0.7547	0.1655	3.5907	0.0771	0.0047	0.0167
Base	110	46	CIM4 Min	-0.3266	-0.1656	0.2426	-0.0626	-0.042	-0.0161
Base	110	46	CIM5 Max	0.6927	0.1633	3.7362	0.0783	-0.0064	0.0166
Base	110	46	CIM5 Min	-0.2646	-0.1636	0.3951	-0.0636	-0.0306	-0.0162
Base	110	46	CIM6 Max	0.6945	0.2471	3.5202	0.1053	0.0263	0.022
Base	110	46	CIM6 Min	-0.5471	-0.2461	-1.344	-0.1076	-0.0339	-0.0218
Base	110	46	CIM7 Max	0.8119	0.2441	3.3166	0.1069	0.0135	0.0221
Base	110	46	CIM7 Min	-0.4645	-0.2451	-1.1406	-0.1092	-0.0191	-0.0219
Base	113	49	PP	-0.4769	-0.0009	1.5941	-0.0005	-0.0116	-2.819E-05
Base	113	49	CA	-0.0665	-0.0001	0.1774	-2.164E-05	-0.0022	1.692E-06
Base	113	49	CV	-0.1412	-0.0003	0.3347	-2.475E-05	-0.005	4.601E-06
Base	113	49	SX Max	1.405	0.2502	4.1634	0.1079	0.0456	0.0244
Base	113	49	SY Max	0.0941	0.2126	0.1625	0.0765	0.0041	0.0176
Base	113	49	CIM1	-0.6665	-0.0013	2.1062	-0.0006	-0.019	-2.19E-05
Base	113	49	CIM2 Max	0.689	0.2456	5.4529	0.0944	0.0269	0.0215
Base	113	49	CIM2 Min	-1.7636	-0.2476	-1.9099	-0.0955	-0.057	-0.0215
Base	113	49	CIM3 Max	-0.4646	0.1661	1.9145	0.0668	-0.0104	0.0155
Base	113	49	CIM3 Min	-0.6302	-0.1661	1.6265	-0.0679	-0.0177	-0.0155
Base	113	49	CIM4 Max	0.2741	0.1636	4.7636	0.0707	0.0144	0.0161
Base	113	49	CIM4 Min	-1.5805	-0.1662	-0.7365	-0.0716	-0.05	-0.0162
Base	113	49	CIM5 Max	-0.5911	0.1391	2.1296	0.0499	-0.0151	0.0116
Base	113	49	CIM5 Min	-0.7153	-0.1415	1.9153	-0.051	-0.0205	-0.0117
Base	113	49	CIM6 Max	0.906	0.246	4.7443	0.0946	0.0345	0.0215
Base	113	49	CIM6 Min	-1.5646	-0.2472	-2.6165	-0.0953	-0.0513	-0.0215
Base	113	49	CIM7 Max	-0.2456	0.1665	1.2059	0.067	-0.0046	0.0155
Base	113	49	CIM7 Min	-0.4112	-0.1677	0.9199	-0.0676	-0.012	-0.0155
Base	114	50	PP	0.4062	0.0009	1.7014	0.0001	0.0096	6.634E-06
Base	114	50	CA	0.0422	0.0001	0.1406	-4.257E-05	0.0007	9.665E-06
Base	114	50	CV	0.0361	0.0001	0.1213	-0.0001	0.0002	1.183E-05
Base	114	50	SX Max	1.0127	0.4642	3.3062	0.2641	0.0445	0.0451
Base	114	50	SY Max	0.3616	0.6362	1.0966	0.3485	0.0116	0.0644
Base	114	50	CIM1	0.4665	0.0011	1.9636	1.662E-05	0.0107	2.655E-05
Base	114	50	CIM2 Max	1.3396	0.4095	4.7534	0.2325	0.0496	0.0424
Base	114	50	CIM2 Min	-0.4426	-0.4074	-1.0659	-0.2323	-0.0266	-0.0423

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	114	50	CIM3 Max	0.7666	0.5626	2.6092	0.3067	0.0207	0.0567
Base	114	50	CIM3 Min	0.1302	-0.5606	0.6753	-0.3066	0.0003	-0.0567
Base	114	50	CIM4 Max	1.1454	0.3074	4.1166	0.1743	0.04	0.0316
Base	114	50	CIM4 Min	-0.1914	-0.3053	-0.2501	-0.1743	-0.0167	-0.0317
Base	114	50	CIM5 Max	0.7157	0.4223	2.6565	0.23	0.0163	0.0425
Base	114	50	CIM5 Min	0.2363	-0.4201	1.206	-0.2299	0.003	-0.0425
Base	114	50	CIM6 Max	1.1602	0.4091	4.0165	0.2324	0.0454	0.0424
Base	114	50	CIM6 Min	-0.6221	-0.4079	-1.8056	-0.2323	-0.0326	-0.0423
Base	114	50	CIM7 Max	0.5673	0.5622	2.0723	0.3067	0.0165	0.0567
Base	114	50	CIM7 Min	-0.0492	-0.561	0.1364	-0.3066	-0.0039	-0.0567
Base	116	51	PP	0.0006	0.4134	1.5426	-0.0094	-2.196E-05	-9.035E-06
Base	116	51	CA	0.0001	0.0397	0.139	-0.001	0.0001	-1.002E-05
Base	116	51	CV	1.726E-05	0.043	0.1433	-0.0012	4.02E-05	-7.301E-06
Base	116	51	SX Max	0.6196	0.2664	0.706	0.0092	0.3679	0.0743
Base	116	51	SY Max	0.3561	1.0295	3.317	0.0376	0.196	0.0405
Base	116	51	CIM1	0.0007	0.4961	1.8251	-0.0117	0.0001	-2.636E-05
Base	116	51	CIM2 Max	0.5459	0.6593	2.3048	-0.0024	0.3238	0.0654
Base	116	51	CIM2 Min	-0.5445	0.2168	1.0566	-0.0165	-0.3236	-0.0654
Base	116	51	CIM3 Max	0.3141	1.3591	4.6006	0.0227	0.1743	0.0356
Base	116	51	CIM3 Min	-0.3127	-0.4529	-1.2372	-0.0436	-0.1742	-0.0356
Base	116	51	CIM4 Max	0.4096	0.6625	2.2566	-0.0053	0.2429	0.049
Base	116	51	CIM4 Min	-0.4062	0.3062	1.322	-0.0174	-0.2426	-0.0491
Base	116	51	CIM5 Max	0.2357	1.1648	3.9765	0.0135	0.1307	0.0267
Base	116	51	CIM5 Min	-0.2343	-0.1942	-0.3999	-0.0362	-0.1306	-0.0267
Base	116	51	CIM6 Max	0.5456	0.5051	1.6321	0.0016	0.3236	0.0654
Base	116	51	CIM6 Min	-0.5448	0.0356	0.3661	-0.0143	-0.3236	-0.0654
Base	116	51	CIM7 Max	0.3136	1.1779	3.9261	0.0269	0.1743	0.0356
Base	116	51	CIM7 Min	-0.313	-0.6341	-1.9099	-0.0394	-0.1742	-0.0356
Base	117	52	PP	0.2403	-2.645E-06	0.8166	-0.0017	0.0004	0.0004
Base	117	52	CA	0.0172	0.0007	0.0794	-0.0004	-0.0006	0.0001
Base	117	52	CV	-0.0023	0.0011	0.0361	-0.0005	-0.0017	0.0001
Base	117	52	SX Max	0.5349	0.1507	1.4069	0.036	0.0177	0.0122
Base	117	52	SY Max	0.6046	0.1004	1.6006	0.0252	0.0044	0.0089
Base	117	52	CIM1	0.2552	0.0016	0.936	-0.0027	-0.002	0.0007
Base	117	52	CIM2 Max	0.7253	0.1333	2.1361	0.0313	0.0152	0.0112
Base	117	52	CIM2 Min	-0.2132	-0.1319	-0.3401	-0.0355	-0.016	-0.0102
Base	117	52	CIM3 Max	0.7697	0.069	2.4625	0.0227	0.0035	0.0083
Base	117	52	CIM3 Min	-0.2747	-0.0577	-0.6666	-0.027	-0.0043	-0.0073
Base	117	52	CIM4 Max	0.6066	0.1009	1.6551	0.0225	0.0101	0.0087
Base	117	52	CIM4 Min	-0.0973	-0.096	-0.0021	-0.0276	-0.0133	-0.0074
Base	117	52	CIM5 Max	0.6549	0.0677	2.1149	0.0161	0.0013	0.0065
Base	117	52	CIM5 Min	-0.1434	-0.0646	-0.2619	-0.0212	-0.0045	-0.0052
Base	117	52	CIM6 Max	0.6252	0.133	1.7769	0.0321	0.0154	0.011
Base	117	52	CIM6 Min	-0.3162	-0.1322	-0.6993	-0.0347	-0.0156	-0.0104
Base	117	52	CIM7 Max	0.6667	0.0667	2.1233	0.0236	0.0037	0.0081

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	117	52	CIM7 Min	-0.3777	-0.0579	-1.0456	-0.0261	-0.0041	-0.0075
Base	116	252	PP	-0.5167	-6.666E-06	1.7906	-1.277E-05	-0.0154	-2.056E-06
Base	116	252	CA	-0.0946	-7.128E-06	0.3324	4.962E-06	-0.0026	6.651E-07
Base	116	252	CV	-0.139	-1.541E-05	0.4864	-7.155E-06	-0.0037	-1.033E-06
Base	116	252	SX Max	1.7329	0.027	5.3495	0.0193	0.067	0.0034
Base	116	252	SY Max	0.0905	0.5276	0.2307	0.4352	0.0036	0.0745
Base	116	252	CIM1	-0.7505	-3.22E-05	2.6114	-1.496E-05	-0.0217	-2.206E-06
Base	116	252	CIM2 Max	0.9134	0.0236	6.6305	0.017	0.041	0.003
Base	116	252	CIM2 Min	-2.1365	-0.0236	-2.5645	-0.017	-0.0769	-0.003
Base	116	252	CIM3 Max	-0.5319	0.4642	2.3261	0.383	-0.0146	0.0656
Base	116	252	CIM3 Min	-0.6912	-0.4643	1.92	-0.383	-0.0211	-0.0656
Base	116	252	CIM4 Max	0.426	0.0176	6.0199	0.0127	0.0235	0.0022
Base	116	252	CIM4 Min	-1.6595	-0.0179	-1.0414	-0.0126	-0.065	-0.0022
Base	116	252	CIM5 Max	-0.656	0.3462	2.6416	0.2673	-0.0164	0.0492
Base	116	252	CIM5 Min	-0.7755	-0.3462	2.337	-0.2673	-0.0231	-0.0492
Base	116	252	CIM6 Max	1.156	0.0236	5.9513	0.017	0.0462	0.003
Base	116	252	CIM6 Min	-1.8919	-0.0236	-3.4337	-0.017	-0.0697	-0.003
Base	116	252	CIM7 Max	-0.2673	0.4643	1.4769	0.383	-0.0076	0.0656
Base	116	252	CIM7 Min	-0.4466	-0.4643	1.0706	-0.383	-0.0139	-0.0656
Base	127	56	PP	-0.3856	-0.0014	1.6635	-0.0003	-0.0076	2.434E-06
Base	127	56	CA	0.0192	-0.0002	0.271	-0.0002	0.01	-2.531E-05
Base	127	56	CV	0.0676	-0.0001	0.2914	-0.0003	0.0199	-4.372E-05
Base	127	56	SX Max	1.0372	0.3622	3.4635	0.2134	0.0436	0.0394
Base	127	56	SY Max	0.6916	0.7117	2.159	0.3771	0.0217	0.0711
Base	127	56	CIM1	-0.2767	-0.0016	2.2259	-0.0006	0.0221	-0.0001
Base	127	56	CIM2 Max	0.5464	0.3172	5	0.1673	0.0406	0.0346
Base	127	56	CIM2 Min	-1.2792	-0.3203	-1.131	-0.1662	-0.0362	-0.0347
Base	127	56	CIM3 Max	0.2424	0.6246	3.6344	0.3314	0.0213	0.0626
Base	127	56	CIM3 Min	-0.9751	-0.6279	0.0346	-0.3323	-0.0166	-0.0626
Base	127	56	CIM4 Max	0.3639	0.2374	4.4522	0.1401	0.0459	0.0259
Base	127	56	CIM4 Min	-0.9852	-0.2407	-0.1461	-0.1416	-0.0117	-0.026
Base	127	56	CIM5 Max	0.1559	0.4661	3.576	0.2462	0.0314	0.0469
Base	127	56	CIM5 Min	-0.7572	-0.4714	0.7261	-0.2496	0.0025	-0.047
Base	127	56	CIM6 Max	0.6929	0.3176	4.2262	0.1675	0.0397	0.0346
Base	127	56	CIM6 Min	-1.1326	-0.3196	-1.9048	-0.1661	-0.0371	-0.0347
Base	127	56	CIM7 Max	0.3689	0.6254	3.0606	0.3316	0.0204	0.0626
Base	127	56	CIM7 Min	-0.6266	-0.6272	-0.7392	-0.3322	-0.0177	-0.0626
Base	126	55	PP	-0.2563	0.0001	0.6731	0.0019	-0.0005	0.0004
Base	126	55	CA	-0.0056	-0.0015	0.0473	0.0006	0.001	0.0002
Base	126	55	CV	0.021	-0.0016	-0.0073	0.0006	0.0023	0.0002
Base	126	55	SX Max	0.4369	0.165	1.1401	0.048	0.0152	0.0153
Base	126	55	SY Max	0.6779	0.1063	1.99	0.0302	0.0056	0.0095
Base	126	55	CIM1	-0.2429	-0.003	0.9132	0.003	0.0025	0.0006
Base	126	55	CIM2 Max	0.1224	0.1614	1.9237	0.0447	0.0135	0.0141
Base	126	55	CIM2 Min	-0.6501	-0.1643	-0.0629	-0.0399	-0.0129	-0.0129

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	128	55	CIM3 Max	0.3326	0.0921	2.6716	0.029	0.0054	0.0069
Base	128	55	CIM3 Min	-0.6604	-0.0949	-0.6306	-0.0242	-0.0044	-0.0077
Base	128	55	CIM4 Max	0.0416	0.1195	1.6674	0.0346	0.0122	0.0109
Base	128	55	CIM4 Min	-0.5376	-0.1247	0.1625	-0.0268	-0.0076	-0.0094
Base	128	55	CIM5 Max	0.1993	0.0675	2.2264	0.0228	0.0059	0.007
Base	128	55	CIM5 Min	-0.6955	-0.0727	-0.3964	-0.0171	-0.0015	-0.0055
Base	128	55	CIM6 Max	0.2279	0.162	1.5555	0.0437	0.0136	0.0139
Base	128	55	CIM6 Min	-0.5446	-0.1637	-0.451	-0.0406	-0.013	-0.0131
Base	128	55	CIM7 Max	0.4352	0.0927	2.3034	0.0261	0.0052	0.0067
Base	128	55	CIM7 Min	-0.7549	-0.0944	-1.1959	-0.0251	-0.0046	-0.008
Base	129	54	PP	0.527	-6.544E-06	1.6545	-1.625E-05	0.0156	2.58E-06
Base	129	54	CA	0.1236	-1.948E-05	0.4245	-7.564E-06	0.0033	1.113E-06
Base	129	54	CV	0.1507	-2.364E-05	0.5373	-1.526E-05	0.0036	2.321E-06
Base	129	54	SX Max	1.4756	0.0206	4.7537	0.0133	0.0561	0.0022
Base	129	54	SY Max	0.0406	0.5446	0.1211	0.4391	0.0017	0.0746
Base	129	54	CIM1	0.6015	-4.967E-05	2.8163	-3.912E-05	0.0226	6.023E-06
Base	129	54	CIM2 Max	1.9495	0.0161	6.4623	0.0117	0.0701	0.002
Base	129	54	CIM2 Min	-0.6479	-0.0162	-1.9043	-0.0117	-0.0322	-0.002
Base	129	54	CIM3 Max	0.6666	0.4792	2.3856	0.3864	0.0204	0.0657
Base	129	54	CIM3 Min	0.615	-0.4792	2.1724	-0.3864	0.0174	-0.0657
Base	129	54	CIM4 Max	1.7379	0.0136	5.8194	0.0087	0.06	0.0015
Base	129	54	CIM4 Min	-0.2102	-0.0137	-0.4555	-0.0068	-0.0167	-0.0015
Base	129	54	CIM5 Max	0.7907	0.3594	2.7619	0.2696	0.0226	0.0493
Base	129	54	CIM5 Min	0.737	-0.3596	2.602	-0.2699	0.0205	-0.0492
Base	129	54	CIM6 Max	1.6692	0.0162	5.5507	0.0117	0.0625	0.002
Base	129	54	CIM6 Min	-0.9062	-0.0162	-2.8159	-0.0117	-0.0397	-0.002
Base	129	54	CIM7 Max	0.4262	0.4792	1.474	0.3864	0.0128	0.0657
Base	129	54	CIM7 Min	0.3547	-0.4792	1.2606	-0.3864	0.0099	-0.0657
Base	130	27	PP	0.5203	-0.5474	3.7156	0.0211	0.0196	-1.608E-05
Base	130	27	CA	0.1166	-0.0755	0.5791	0.0029	0.0052	0.0001
Base	130	27	CV	0.1406	-0.0907	0.6633	0.003	0.0063	0.0001
Base	130	27	SX Max	1.1959	0.376	4.9701	0.0119	0.0696	0.0031
Base	130	27	SY Max	0.2756	1.6095	6.2521	0.122	0.0131	0.0043
Base	130	27	CIM1	0.7774	-0.7036	4.9562	0.0269	0.0311	0.0002
Base	130	27	CIM2 Max	1.6692	-0.292	6.6666	0.0345	0.1036	0.0026
Base	130	27	CIM2 Min	-0.4156	-0.9536	-0.0758	0.0135	-0.0542	-0.0027
Base	130	27	CIM3 Max	0.6796	0.9695	9.7967	0.1314	0.0363	0.0039
Base	130	27	CIM3 Min	0.3941	-2.2153	-1.2069	-0.0834	0.0133	-0.0037
Base	130	27	CIM4 Max	1.5316	-0.4353	6.0727	0.0341	0.0656	0.0023
Base	130	27	CIM4 Min	-0.047	-0.9316	1.5121	0.0163	-0.0297	-0.0019
Base	130	27	CIM5 Max	0.9243	0.5109	5.9155	0.1067	0.0352	0.003
Base	130	27	CIM5 Min	0.5602	-1.6777	0.666	-0.0543	0.0209	-0.0027
Base	130	27	CIM6 Max	1.4345	-0.0429	6.9506	0.0249	0.0939	0.0026
Base	130	27	CIM6 Min	-0.6703	-0.7046	-1.7967	0.0039	-0.0641	-0.0027
Base	130	27	CIM7 Max	0.6246	1.2166	8.0766	0.1216	0.0264	0.0039

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	130	27	CIM7 Min	0.1394	-1.9661	-2.9249	-0.093	0.0034	-0.0035
Base	131	26	PP	0.446	0.5541	3.6694	-0.0214	0.0146	0.0002
Base	131	26	CA	0.0652	0.0801	0.6665	-0.0025	-0.0022	-0.0001
Base	131	26	CV	0.0507	0.0914	0.7646	-0.0025	-0.0069	-0.0001
Base	131	26	SX Max	0.7471	0.2973	3.0659	0.0146	0.07	0.0025
Base	131	26	SY Max	0.2622	1.661	6.5166	0.123	0.0166	0.0044
Base	131	26	CIM1	0.5619	0.7256	5.1227	-0.0264	0.0054	4.666E-05
Base	131	26	CIM2 Max	1.1687	0.6956	7.0535	-0.011	0.0739	0.0023
Base	131	26	CIM2 Min	-0.1463	0.3726	1.6223	-0.0367	-0.0493	-0.002
Base	131	26	CIM3 Max	0.7419	2.2719	10.0725	0.0644	0.027	0.004
Base	131	26	CIM3 Min	0.2605	-1.0035	-1.3967	-0.1321	-0.0023	-0.0036
Base	131	26	CIM4 Max	1.0423	0.699	6.9632	-0.0161	0.0533	0.0017
Base	131	26	CIM4 Min	0.0561	0.5065	2.6596	-0.0354	-0.0391	-0.0016
Base	131	26	CIM5 Max	0.7223	1.931	9.2274	0.0554	0.0161	0.003
Base	131	26	CIM5 Min	0.3762	-0.5255	0.6255	-0.107	-0.0039	-0.0029
Base	131	26	CIM6 Max	0.9642	0.6422	5.3163	-0.0015	0.069	0.0022
Base	131	26	CIM6 Min	-0.3507	0.1169	-0.1129	-0.0271	-0.0542	-0.0021
Base	131	26	CIM7 Max	0.5374	2.0162	8.3373	0.0939	0.022	0.004
Base	131	26	CIM7 Min	0.076	-1.2572	-3.1319	-0.1226	-0.0073	-0.0036
Base	132	53	PP	-0.5256	-7.108E-06	1.6659	-1.564E-05	-0.0157	-2.479E-06
Base	132	53	CA	-0.1274	-2.156E-05	0.4443	-4.646E-06	-0.0037	-6.117E-07
Base	132	53	CV	-0.1624	-2.463E-05	0.5602	-1.385E-05	-0.0046	-2.059E-06
Base	132	53	SX Max	1.4996	0.0164	4.6353	0.0121	0.0556	0.002
Base	132	53	SY Max	0.0305	0.5543	0.0906	0.4453	0.0014	0.0757
Base	132	53	CIM1	-0.5164	-0.0001	2.6704	-3.434E-05	-0.0242	-5.149E-06
Base	132	53	CIM2 Max	0.6636	0.0162	6.5653	0.0107	0.0324	0.0016
Base	132	53	CIM2 Min	-1.9756	-0.0162	-1.9446	-0.0107	-0.0712	-0.0016
Base	132	53	CIM3 Max	-0.6291	0.4577	2.3901	0.3919	-0.0182	0.0667
Base	132	53	CIM3 Min	-0.6626	-0.4576	2.2304	-0.3919	-0.0206	-0.0667
Base	132	53	CIM4 Max	0.2121	0.0121	5.9217	0.006	0.0156	0.0013
Base	132	53	CIM4 Min	-1.7677	-0.0122	-0.4609	-0.006	-0.0616	-0.0014
Base	132	53	CIM5 Max	-0.7577	0.3656	2.7903	0.2939	-0.0221	0.05
Base	132	53	CIM5 Min	-0.795	-0.3659	2.6705	-0.2939	-0.0239	-0.05
Base	132	53	CIM6 Max	0.9262	0.0162	5.6412	0.0107	0.0401	0.0016
Base	132	53	CIM6 Min	-1.7134	-0.0162	-2.8669	-0.0107	-0.0634	-0.0016
Base	132	53	CIM7 Max	-0.3667	0.4577	1.466	0.3919	-0.0104	0.0667
Base	132	53	CIM7 Min	-0.4205	-0.4576	1.3063	-0.3919	-0.0129	-0.0667
Base	134	57	PP	-0.4412	-0.0006	1.7176	2.367E-06	-0.0116	1.763E-05
Base	134	57	CA	-0.1153	-0.0001	0.3667	2.494E-05	-0.0061	6.121E-06
Base	134	57	CV	-0.1653	-0.0001	0.4932	0.0001	-0.0101	1.215E-05
Base	134	57	SX Max	1.197	0.0926	3.9371	0.0423	0.0478	0.0063
Base	134	57	SY Max	0.6672	0.6947	1.9577	0.42	0.0223	0.0772
Base	134	57	CIM1	-0.7246	-0.001	2.5977	0.0001	-0.026	3.61E-05
Base	134	57	CIM2 Max	0.4939	0.0606	5.5691	0.0373	0.0241	0.0073
Base	134	57	CIM2 Min	-1.6129	-0.0624	-1.3601	-0.0372	-0.0599	-0.0072

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	134	57	CIM3 Max	0.0276	0.6104	3.6273	0.3696	0.0017	0.068
Base	134	57	CIM3 Min	-1.1466	-0.6122	0.3617	-0.3696	-0.0375	-0.0679
Base	134	57	CIM4 Max	0.1066	0.0602	5.0729	0.026	0.0061	0.0055
Base	134	57	CIM4 Min	-1.4735	-0.0621	-0.1241	-0.0276	-0.057	-0.0054
Base	134	57	CIM5 Max	-0.2431	0.4575	3.7665	0.2773	-0.0106	0.051
Base	134	57	CIM5 Min	-1.1236	-0.4595	1.1623	-0.2771	-0.0402	-0.0509
Base	134	57	CIM6 Max	0.7177	0.051	4.7273	0.0372	0.0313	0.0073
Base	134	57	CIM6 Min	-1.3691	-0.052	-2.2019	-0.0372	-0.0526	-0.0073
Base	134	57	CIM7 Max	0.2514	0.6106	2.9655	0.3696	0.0056	0.068
Base	134	57	CIM7 Min	-0.9226	-0.6116	-0.4601	-0.3696	-0.0303	-0.0679
Base	137	56	PP	0.2655	7.541E-06	1.6012	-1.91E-05	0.0008	3.36E-06
Base	137	56	CA	0.1159	-9.923E-07	0.6442	-7.345E-06	-0.0033	1.473E-06
Base	137	56	CV	0.1336	1.017E-06	1.0756	-1.653E-05	-0.0077	3.413E-06
Base	137	56	SX Max	0.2908	0.0207	0.6353	0.0171	0.0295	0.0026
Base	137	56	SY Max	0.0146	0.5026	0.0316	0.434	0.0015	0.0706
Base	137	56	CIM1	0.5151	7.565E-06	3.7212	-4.496E-05	-0.0102	6.246E-06
Base	137	56	CIM2 Max	0.6374	0.0162	3.2044	0.015	0.0235	0.0024
Base	137	56	CIM2 Min	0.1255	-0.0162	2.0863	-0.015	-0.0254	-0.0024
Base	137	56	CIM3 Max	0.3945	0.4423	2.6734	0.3619	-0.0012	0.0623
Base	137	56	CIM3 Min	0.3664	-0.4423	2.6173	-0.3619	-0.0036	-0.0623
Base	137	56	CIM4 Max	0.6736	0.0136	3.6715	0.0112	0.0112	0.0018
Base	137	56	CIM4 Min	0.2697	-0.0136	3.0329	-0.0113	-0.0277	-0.0018
Base	137	56	CIM5 Max	0.4915	0.3317	3.4732	0.2664	-0.0072	0.0466
Base	137	56	CIM5 Min	0.4719	-0.3317	3.4312	-0.2665	-0.0092	-0.0467
Base	137	56	CIM6 Max	0.4646	0.0162	2.1462	0.015	0.0245	0.0024
Base	137	56	CIM6 Min	-0.0271	-0.0162	1.0262	-0.015	-0.0274	-0.0024
Base	137	56	CIM7 Max	0.2419	0.4423	1.6152	0.3619	-0.0002	0.0623
Base	137	56	CIM7 Min	0.2156	-0.4423	1.5592	-0.3619	-0.0026	-0.0623
Base	136	59	PP	-0.2606	6.429E-06	1.7663	-1.696E-05	-0.0002	-3.305E-06
Base	136	59	CA	-0.1023	-7.465E-06	0.6061	-6.511E-06	0.0049	-1.154E-06
Base	136	59	CV	-0.1366	-3.027E-06	1.0656	-1.501E-05	0.0072	-3.214E-06
Base	136	59	SX Max	0.2909	0.0209	0.6376	0.0171	0.0295	0.0026
Base	136	59	SY Max	0.0146	0.5024	0.0324	0.434	0.0015	0.0706
Base	136	59	CIM1	-0.4897	-4.062E-06	3.662	-4.346E-05	0.0119	-7.672E-06
Base	136	59	CIM2 Max	-0.1069	0.0164	3.1575	0.015	0.0307	0.0024
Base	136	59	CIM2 Min	-0.6169	-0.0164	2.0353	-0.0151	-0.0212	-0.0024
Base	136	59	CIM3 Max	-0.3496	0.4421	2.6249	0.3619	0.006	0.0623
Base	136	59	CIM3 Min	-0.376	-0.4421	2.5679	-0.3619	0.0034	-0.0623
Base	136	59	CIM4 Max	-0.2735	0.0136	3.6314	0.0112	0.0296	0.0018
Base	136	59	CIM4 Min	-0.6575	-0.0136	2.9896	-0.0113	-0.0093	-0.0018
Base	136	59	CIM5 Max	-0.4557	0.3316	3.432	0.2664	0.0111	0.0467
Base	136	59	CIM5 Min	-0.4753	-0.3316	3.3892	-0.2665	0.0092	-0.0467
Base	136	59	CIM6 Max	0.0383	0.0164	2.1169	0.015	0.0256	0.0024
Base	136	59	CIM6 Min	-0.4737	-0.0164	0.9966	-0.0151	-0.0231	-0.0024
Base	136	59	CIM7 Max	-0.2047	0.4421	1.5864	0.3619	0.0041	0.0623

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	138	59	CIM7 Min	-0.2306	-0.4421	1.5293	-0.3819	0.0015	-0.0623
Base	142	60	PP	0.3616	0.0011	1.35	0.002	0.0067	-0.0003
Base	142	60	CA	0.0694	0.0007	0.2371	0.0001	0.001	1.261E-05
Base	142	60	CV	0.0566	0.0003	0.2216	0.0002	0.0003	-2.592E-05
Base	142	60	SX Max	1.0614	0.2016	3.1413	0.0722	0.0353	0.0177
Base	142	60	SY Max	0.6402	0.2015	2.0717	0.0661	0.0116	0.0169
Base	142	60	CIM1	0.5096	0.0021	1.6066	0.0023	0.006	-0.0003
Base	142	60	CIM2 Max	1.385	0.1794	4.3515	0.0656	0.0366	0.0153
Base	142	60	CIM2 Min	-0.463	-0.1756	-1.1772	-0.0615	-0.0234	-0.0159
Base	142	60	CIM3 Max	1.0143	0.1791	3.4102	0.062	0.0161	0.0146
Base	142	60	CIM3 Min	-0.1124	-0.1755	-0.2359	-0.0579	-0.0026	-0.0151
Base	142	60	CIM4 Max	1.1956	0.1352	3.6267	0.0499	0.0313	0.0114
Base	142	60	CIM4 Min	-0.2054	-0.1312	-0.3199	-0.0455	-0.0154	-0.012
Base	142	60	CIM5 Max	0.9176	0.1349	3.1207	0.0472	0.0157	0.0109
Base	142	60	CIM5 Min	0.0726	-0.131	0.3661	-0.0426	0.0002	-0.0114
Base	142	60	CIM6 Max	1.2046	0.1786	3.7167	0.0648	0.0357	0.0154
Base	142	60	CIM6 Min	-0.6634	-0.1765	-1.6121	-0.0623	-0.0264	-0.0157
Base	142	60	CIM7 Max	0.8339	0.1783	2.7754	0.0612	0.015	0.0147
Base	142	60	CIM7 Min	-0.2926	-0.1762	-0.8706	-0.0567	-0.0057	-0.015
Base	144	61	PP	-0.5066	0.0001	1.8078	-4.042E-05	-0.0144	-7.159E-06
Base	144	61	CA	-0.0969	-5.776E-06	0.3695	-9.962E-06	-0.0021	-1.629E-06
Base	144	61	CV	-0.12	-7.07E-06	0.4615	-1.756E-05	-0.0022	-2.945E-06
Base	144	61	SX Max	1.5699	0.0602	4.9478	0.0353	0.0604	0.0066
Base	144	61	SY Max	0.3209	0.6565	0.6345	0.5621	0.0114	0.1015
Base	144	61	CIM1	-0.7257	3.729E-05	2.6766	-0.0001	-0.0187	-1.173E-05
Base	144	61	CIM2 Max	0.7756	0.0531	6.5514	0.031	0.0366	0.0056
Base	144	61	CIM2 Min	-1.9673	-0.053	-2.1566	-0.0311	-0.0696	-0.0056
Base	144	61	CIM3 Max	-0.3234	0.7537	2.9316	0.4946	-0.0065	0.0693
Base	144	61	CIM3 Min	-0.6662	-0.7537	1.463	-0.4947	-0.0265	-0.0693
Base	144	61	CIM4 Max	0.3404	0.0396	5.624	0.0232	0.0217	0.0043
Base	144	61	CIM4 Min	-1.7319	-0.0397	-0.7072	-0.0233	-0.058	-0.0044
Base	144	61	CIM5 Max	-0.4639	0.5653	3.1091	0.3709	-0.0107	0.067
Base	144	61	CIM5 Min	-0.9076	-0.5652	2.0076	-0.3711	-0.0257	-0.067
Base	144	61	CIM6 Max	1.0161	0.053	5.6725	0.031	0.0432	0.0056
Base	144	61	CIM6 Min	-1.745	-0.053	-3.0357	-0.0311	-0.063	-0.0056
Base	144	61	CIM7 Max	-0.0611	0.7537	2.0527	0.4946	0.0001	0.0693
Base	144	61	CIM7 Min	-0.6459	-0.7537	0.5641	-0.4947	-0.0199	-0.0693
Base	23	63	PP	0.0015	0.3176	1.3209	-0.0043	-0.0022	0.0003
Base	23	63	CA	0.0009	0.0626	0.2654	-0.0007	-0.0003	2.049E-05
Base	23	63	CV	0.0007	0.0707	0.2653	-0.0015	-0.0004	3.575E-05
Base	23	63	SX Max	0.3446	0.56	1.9147	0.016	0.1279	0.0302
Base	23	63	SY Max	0.3093	0.6539	2.7893	0.0296	0.1164	0.0274
Base	23	63	CIM1	0.0031	0.4509	1.6516	-0.0065	-0.003	0.0003
Base	23	63	CIM2 Max	0.3056	0.6905	3.2713	0.009	0.11	0.0269
Base	23	63	CIM2 Min	-0.301	-0.1302	-0.0967	-0.0191	-0.1151	-0.0263

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	23	63	CIM3 Max	0.2746	1.1316	4.0409	0.021	0.0999	0.0244
Base	23	63	CIM3 Min	-0.2697	-0.3712	-0.8682	-0.0311	-0.105	-0.0236
Base	23	63	CIM4 Max	0.2305	0.616	3.049	0.0044	0.0815	0.0203
Base	23	63	CIM4 Min	-0.2246	0.0504	0.5216	-0.0167	-0.0573	-0.0196
Base	23	63	CIM5 Max	0.2071	0.9868	3.6262	0.0134	0.074	0.0184
Base	23	63	CIM5 Min	-0.2012	-0.1304	-0.0556	-0.0257	-0.0797	-0.0177
Base	23	63	CIM6 Max	0.3049	0.7365	2.6366	0.011	0.111	0.0266
Base	23	63	CIM6 Min	-0.302	-0.2622	-0.7332	-0.0171	-0.1141	-0.0264
Base	23	63	CIM7 Max	0.2736	0.9795	3.4063	0.023	0.1009	0.0243
Base	23	63	CIM7 Min	-0.2707	-0.5233	-1.5026	-0.0291	-0.104	-0.0239
Base	24	65	PP	-0.0009	0.3194	1.3216	-0.0045	0.0024	-0.0003
Base	24	65	CA	0.0012	0.0744	0.2835	-0.0014	0.0011	-0.0002
Base	24	65	CV	0.0004	0.0748	0.2677	-0.0016	0.0008	-0.0001
Base	24	65	SX Max	0.3664	0.5447	1.5556	0.0137	0.1362	0.0322
Base	24	65	SY Max	0.3489	0.5149	2.6521	0.0263	0.1317	0.0309
Base	24	65	CIM1	0.0006	0.4666	1.6726	-0.0076	0.0044	-0.0007
Base	24	65	CIM2 Max	0.3227	0.6731	3.2362	0.0062	0.1234	0.0276
Base	24	65	CIM2 Min	-0.3221	-0.0655	-0.026	-0.0179	-0.1163	-0.0269
Base	24	65	CIM3 Max	0.3074	1.1109	3.9654	0.0191	0.1194	0.0267
Base	24	65	CIM3 Min	-0.3067	-0.3233	-0.7551	-0.0306	-0.1123	-0.0278
Base	24	65	CIM4 Max	0.2424	0.6094	3.0307	0.0016	0.0941	0.0206
Base	24	65	CIM4 Min	-0.2412	0.0904	0.5811	-0.0162	-0.0657	-0.0219
Base	24	65	CIM5 Max	0.2309	0.9577	3.5761	0.0115	0.0911	0.0196
Base	24	65	CIM5 Min	-0.2296	-0.066	0.0357	-0.0259	-0.0527	-0.0211
Base	24	65	CIM6 Max	0.3226	0.7156	2.5962	0.0085	0.122	0.026
Base	24	65	CIM6 Min	-0.3222	-0.2431	-0.67	-0.0156	-0.1177	-0.0256
Base	24	65	CIM7 Max	0.3072	0.9534	3.3233	0.0214	0.116	0.0269
Base	24	65	CIM7 Min	-0.3069	-0.4606	-1.3972	-0.0265	-0.1137	-0.0275
Base	25	62	PP	-0.0009	-0.3945	1.6219	0.0089	0.0002	5.009E-06
Base	25	62	CA	-0.0003	-0.0719	0.2536	0.0019	0.0001	4.05E-06
Base	25	62	CV	-0.0005	-0.096	0.3307	0.0027	0.0001	4.521E-06
Base	25	62	SX Max	0.6699	0.3434	1.0452	0.0106	0.3517	0.066
Base	25	62	SY Max	0.3715	0.9763	3.2292	0.0407	0.2	0.0364
Base	25	62	CIM1	-0.0017	-0.5644	2.2062	0.0135	0.0004	1.366E-05
Base	25	62	CIM2 Max	0.5664	-0.1643	2.7952	0.0203	0.3096	0.0596
Base	25	62	CIM2 Min	-0.5807	-0.7686	0.9557	0.0013	-0.3093	-0.0596
Base	25	62	CIM3 Max	0.3257	0.3927	4.7172	0.0466	0.1763	0.0336
Base	25	62	CIM3 Min	-0.3261	-1.3255	-0.9662	-0.025	-0.1757	-0.0337
Base	25	62	CIM4 Max	0.4406	-0.3133	2.6133	0.0189	0.2325	0.0449
Base	25	62	CIM4 Min	-0.4436	-0.7666	1.4337	0.0057	-0.2316	-0.0446
Base	25	62	CIM5 Max	0.2436	0.1044	4.2546	0.0397	0.1324	0.0253
Base	25	62	CIM5 Min	-0.2466	-1.1842	-0.0077	-0.0141	-0.1316	-0.0253
Base	25	62	CIM6 Max	0.5666	0.0223	2.045	0.016	0.3097	0.0596
Base	25	62	CIM6 Min	-0.5903	-0.562	0.2055	-0.003	-0.3094	-0.0596
Base	25	62	CIM7 Max	0.3262	0.5792	3.967	0.0423	0.1761	0.0336

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	25	62	CIM7 Min	-0.3276	-1.139	-1.7164	-0.0293	-0.1756	-0.0337
Base	26	64	PP	0.0009	-0.3956	1.6273	0.0089	-0.0002	-2.763E-06
Base	26	64	CA	0.0004	-0.0755	0.2661	0.002	-4.657E-05	2.044E-06
Base	26	64	CV	0.0006	-0.1029	0.3474	0.0026	-0.0001	-2.669E-06
Base	26	64	SX Max	0.6669	0.296	0.9407	0.0057	0.3493	0.0675
Base	26	64	SY Max	0.3766	0.9446	3.1583	0.0394	0.2035	0.039
Base	26	64	CIM1	0.0016	-0.5742	2.2426	0.0136	-0.0003	-3.405E-06
Base	26	64	CIM2 Max	0.5661	-0.2091	2.7232	0.0165	0.3072	0.0594
Base	26	64	CIM2 Min	-0.5656	-0.7335	1.0676	0.0033	-0.3076	-0.0594
Base	26	64	CIM3 Max	0.3345	0.3589	4.6746	0.0456	0.1769	0.0344
Base	26	64	CIM3 Min	-0.3321	-1.3026	-0.8639	-0.0237	-0.1793	-0.0344
Base	26	64	CIM4 Max	0.4416	-0.3516	2.7766	0.0166	0.2302	0.0446
Base	26	64	CIM4 Min	-0.4365	-0.7451	1.5351	0.0074	-0.2309	-0.0446
Base	26	64	CIM5 Max	0.2516	0.075	4.2404	0.039	0.134	0.0256
Base	26	64	CIM5 Min	-0.2463	-1.1719	0.0714	-0.0129	-0.1346	-0.0256
Base	26	64	CIM6 Max	0.5676	-0.0205	1.965	0.0142	0.3073	0.0594
Base	26	64	CIM6 Min	-0.5661	-0.545	0.3095	-0.0011	-0.3075	-0.0594
Base	26	64	CIM7 Max	0.3341	0.5465	3.9166	0.0412	0.179	0.0344
Base	26	64	CIM7 Min	-0.3326	-1.114	-1.6421	-0.0261	-0.1792	-0.0344
Base	27	66	PP	-0.4169	-0.0007	1.6042	-0.0001	-0.0103	4.766E-06
Base	27	66	CA	-0.0462	-0.0002	0.3325	-1.21E-05	0.0026	3.126E-06
Base	27	66	CV	-0.0479	-0.0001	0.4627	-0.0001	0.0057	-4.98E-06
Base	27	66	SX Max	1.0373	0.3594	3.4643	0.1996	0.047	0.0353
Base	27	66	SY Max	0.3467	0.6734	1.0046	0.3776	0.0124	0.0666
Base	27	66	CIM1	-0.513	-0.001	2.5995	-0.0002	-0.002	2.935E-06
Base	27	66	CIM2 Max	0.4477	0.3154	5.1653	0.1755	0.0337	0.0311
Base	27	66	CIM2 Min	-1.3779	-0.3171	-0.9116	-0.1758	-0.049	-0.0311
Base	27	66	CIM3 Max	-0.16	0.5916	3.021	0.3323	0.0032	0.0567
Base	27	66	CIM3 Min	-0.7702	-0.5935	1.2525	-0.3326	-0.0186	-0.0567
Base	27	66	CIM4 Max	0.1636	0.2362	4.7702	0.1316	0.0276	0.0233
Base	27	66	CIM4 Min	-1.1656	-0.2382	0.1874	-0.1319	-0.0344	-0.0233
Base	27	66	CIM5 Max	-0.2722	0.4435	3.147	0.2492	0.0048	0.0441
Base	27	66	CIM5 Min	-0.7299	-0.4454	1.5206	-0.2495	-0.0116	-0.0441
Base	27	66	CIM6 Max	0.6337	0.3157	4.3306	0.1756	0.0367	0.0311
Base	27	66	CIM6 Min	-1.1919	-0.3166	-1.7665	-0.1757	-0.046	-0.0311
Base	27	66	CIM7 Max	0.026	0.5921	2.1663	0.3324	0.0063	0.0567
Base	27	66	CIM7 Min	-0.5842	-0.5931	0.3976	-0.3325	-0.0155	-0.0567
Base	29	67	PP	0.4202	-0.0007	1.6026	-0.0001	0.0104	-4.967E-06
Base	29	67	CA	0.0496	-0.0002	0.331	-7.396E-06	-0.0025	-3.666E-06
Base	29	67	CV	0.0479	-0.0001	0.4527	-0.0001	-0.0059	4.1E-06
Base	29	67	SX Max	1.0336	0.3526	3.4664	0.194	0.0468	0.0345
Base	29	67	SY Max	0.2513	0.6747	0.7624	0.3782	0.0078	0.0666
Base	29	67	CIM1	0.5176	-0.001	2.5863	-0.0002	0.002	-4.553E-06
Base	29	67	CIM2 Max	1.3797	0.3094	5.164	0.1706	0.0491	0.0303
Base	29	67	CIM2 Min	-0.4396	-0.3111	-0.9169	-0.1709	-0.0333	-0.0303

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	29	67	CIM3 Max	0.691	0.5929	2.6045	0.3327	0.0147	0.0586
Base	29	67	CIM3 Min	0.2466	-0.5946	1.4627	-0.3329	0.001	-0.0586
Base	29	67	CIM4 Max	1.1661	0.2316	4.761	0.1279	0.0344	0.0227
Base	29	67	CIM4 Min	-0.1765	-0.2337	0.1653	-0.1252	-0.0274	-0.0226
Base	29	67	CIM5 Max	0.6716	0.4444	2.9763	0.2494	0.0056	0.0441
Base	29	67	CIM5 Min	0.34	-0.4463	1.9699	-0.2497	-0.0017	-0.0441
Base	29	67	CIM6 Max	1.1917	0.3096	4.3306	0.1707	0.0459	0.0303
Base	29	67	CIM6 Min	-0.6276	-0.3106	-1.7703	-0.1706	-0.0365	-0.0303
Base	29	67	CIM7 Max	0.5031	0.5932	1.9511	0.3327	0.0116	0.0586
Base	29	67	CIM7 Min	0.0609	-0.5943	0.6092	-0.3326	-0.0021	-0.0586
Base	15	29	PP	0.0036	-0.5583	4.3664	0.0253	-0.0003	4.639E-05
Base	15	29	CA	-0.0102	-0.0918	0.7111	0.0043	-0.0007	2.437E-05
Base	15	29	CV	-0.0069	-0.0863	0.617	0.0037	-0.0003	1.545E-05
Base	15	29	SX Max	2.5063	0.2742	0.4349	0.0146	0.1792	0.0042
Base	15	29	SY Max	0.0499	1.6571	4.9976	0.1319	0.0094	0.0007
Base	15	29	CIM1	-0.0135	-0.7364	5.6945	0.0332	-0.0012	0.0001
Base	15	29	CIM2 Max	2.199	-0.4066	5.4602	0.0425	0.1566	0.0036
Base	15	29	CIM2 Min	-2.2121	-0.6814	4.6846	0.0165	-0.1587	-0.0037
Base	15	29	CIM3 Max	0.0373	0.6346	9.4754	0.1456	0.0073	0.0007
Base	15	29	CIM3 Min	-0.0505	-2.1347	0.6795	-0.0865	-0.0092	-0.0006
Base	15	29	CIM4 Max	1.6424	-0.5336	5.9773	0.042	0.1171	0.0029
Base	15	29	CIM4 Min	-1.666	-0.6956	5.4032	0.0225	-0.1194	-0.0027
Base	15	29	CIM5 Max	0.0211	0.3957	8.9667	0.1193	0.0051	0.0006
Base	15	29	CIM5 Min	-0.0447	-1.6263	2.3916	-0.0546	-0.0074	-0.0004
Base	15	29	CIM6 Max	2.2016	-0.1467	3.4292	0.0307	0.1571	0.0036
Base	15	29	CIM6 Min	-2.2095	-0.6313	2.6636	0.0047	-0.1583	-0.0037
Base	15	29	CIM7 Max	0.0389	1.0946	7.4444	0.1336	0.0077	0.0007
Base	15	29	CIM7 Min	-0.0478	-1.6747	-1.3514	-0.0964	-0.0089	-0.0006
Base	16	30	PP	-0.4539	0.5529	3.731	-0.0213	-0.0153	-0.0002
Base	16	30	CA	-0.0634	0.0929	0.7101	-0.0028	0.002	-5.253E-07
Base	16	30	CV	-0.0563	0.0977	0.6275	-0.0027	0.0062	0.0001
Base	16	30	SX Max	0.7614	0.2373	3.0661	0.0136	0.0717	0.0025
Base	16	30	SY Max	0.2926	1.7074	5.9735	0.1162	0.0096	0.0039
Base	16	30	CIM1	-0.5736	0.7434	5.2686	-0.0266	-0.0071	-0.0001
Base	16	30	CIM2 Max	0.1703	0.6545	7.141	-0.0122	0.0497	0.002
Base	16	30	CIM2 Min	-1.2049	0.437	1.7411	-0.0361	-0.0764	-0.0024
Base	16	30	CIM3 Max	-0.2595	2.1463	9.6976	0.0752	-0.0049	0.0032
Base	16	30	CIM3 Min	-0.7745	-0.6566	-0.6157	-0.1264	-0.0216	-0.0036
Base	16	30	CIM4 Max	-0.0436	0.6756	7.0666	-0.0172	0.0366	0.0015
Base	16	30	CIM4 Min	-1.0752	0.5624	3.0366	-0.0351	-0.056	-0.0018
Base	16	30	CIM5 Max	-0.3664	1.6459	9.0042	0.0506	-0.0023	0.0024
Base	16	30	CIM5 Min	-0.7527	-0.4079	1.1192	-0.1029	-0.015	-0.0027
Base	16	30	CIM6 Max	0.3772	0.5962	5.3646	-0.0025	0.0551	0.0021
Base	16	30	CIM6 Min	-0.996	0.1767	-0.0353	-0.0265	-0.0711	-0.0024
Base	16	30	CIM7 Max	-0.0529	1.69	7.9213	0.0676	0.0005	0.0033

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	16	30	CIM7 Min	-0.5679	-1.1151	-2.5921	-0.1166	-0.0165	-0.0035
Base	26	66	PP	-0.3763	0.0005	1.2573	0.0021	-0.0056	0.0004
Base	26	66	CA	-0.0744	-0.0003	0.2407	0.0004	-0.001	0.0001
Base	26	66	CV	-0.067	-0.0002	0.2294	0.0004	-0.0005	0.0001
Base	26	66	SX Max	1.0015	0.1677	2.6616	0.0615	0.0303	0.0164
Base	26	66	SY Max	0.5944	0.1623	1.894	0.0559	0.0064	0.015
Base	26	66	CIM1	-0.5176	9.997E-07	1.7273	0.003	-0.0073	0.0005
Base	26	66	CIM2 Max	0.4307	0.1654	4.0336	0.0566	0.0199	0.0149
Base	26	66	CIM2 Min	-1.3319	-0.165	-1.0379	-0.0515	-0.0335	-0.014
Base	26	66	CIM3 Max	0.0724	0.1606	3.1647	0.0516	0.0006	0.0136
Base	26	66	CIM3 Min	-0.9737	-0.1602	-0.1686	-0.0467	-0.0142	-0.0126
Base	26	66	CIM4 Max	0.1601	0.124	3.5716	0.0434	0.0126	0.0113
Base	26	66	CIM4 Min	-1.1616	-0.1239	-0.2319	-0.0377	-0.0272	-0.0103
Base	26	66	CIM5 Max	-0.1066	0.1203	2.92	0.0398	-0.0016	0.0104
Base	26	66	CIM5 Min	-0.8931	-0.1202	0.4199	-0.034	-0.0127	-0.0094
Base	26	66	CIM6 Max	0.6109	0.1654	3.4346	0.0556	0.0226	0.0147
Base	26	66	CIM6 Min	-1.1517	-0.1651	-1.637	-0.0526	-0.0306	-0.0141
Base	26	66	CIM7 Max	0.2527	0.1605	2.5655	0.0507	0.0033	0.0135
Base	26	66	CIM7 Min	-0.7934	-0.1602	-0.7679	-0.0477	-0.0115	-0.0129
Base	30	69	PP	0.5279	6.033E-06	1.5475	-0.0001	0.016	1.662E-05
Base	30	69	CA	0.1067	-0.0001	0.3993	-0.0003	0.0028	3.967E-05
Base	30	69	CV	0.1259	-0.0001	0.4795	-0.0002	0.0026	2.257E-05
Base	30	69	SX Max	1.5062	0.052	5.5377	0.0337	0.0715	0.006
Base	30	69	SY Max	0.2519	0.6972	0.6651	0.5662	0.0095	0.1026
Base	30	69	CIM1	0.7626	-0.0002	2.7263	-0.0006	0.0216	0.0001
Base	30	69	CIM2 Max	2.2261	0.0456	7.12	0.0292	0.0617	0.0053
Base	30	69	CIM2 Min	-0.9526	-0.0459	-2.6263	-0.03	-0.0441	-0.0052
Base	30	69	CIM3 Max	0.5564	0.7694	2.8321	0.5154	0.0271	0.0905
Base	30	69	CIM3 Min	0.4149	-0.7697	1.6615	-0.5162	0.0105	-0.0904
Base	30	69	CIM4 Max	1.9232	0.0341	6.2613	0.0217	0.068	0.004
Base	30	69	CIM4 Min	-0.461	-0.0345	-1.0464	-0.0227	-0.0263	-0.0039
Base	30	69	CIM5 Max	0.5974	0.592	3.0454	0.3664	0.0271	0.0679
Base	30	69	CIM5 Min	0.5646	-0.5924	2.1675	-0.3674	0.0146	-0.0677
Base	30	69	CIM6 Max	1.9714	0.0457	6.2213	0.0294	0.0742	0.0053
Base	30	69	CIM6 Min	-1.2074	-0.0456	-3.5251	-0.0299	-0.0516	-0.0052
Base	30	69	CIM7 Max	0.6037	0.7695	1.9334	0.5156	0.0196	0.0905
Base	30	69	CIM7 Min	0.1603	-0.7697	0.7626	-0.5161	0.003	-0.0904
Base	34	72	PP	0.3009	-2.235E-06	1.0556	-9.093E-06	0.0017	2.406E-06
Base	34	72	CA	0.143	0	0.4921	2.2E-06	0.0006	-5.146E-07
Base	34	72	CV	0.1764	-6.64E-06	0.6072	-6.354E-06	0.0011	1.705E-06
Base	34	72	SX Max	0.2569	0.0061	0.7266	0.0079	0.0118	0.0021
Base	34	72	SY Max	0.0132	0.2162	0.038	0.2422	0.0006	0.0642
Base	34	72	CIM1	0.6204	-8.667E-06	2.1549	-1.325E-05	0.0036	3.597E-06
Base	34	72	CIM2 Max	0.6716	0.0071	2.1691	0.0069	0.0129	0.0018
Base	34	72	CIM2 Min	0.2161	-0.0071	0.9064	-0.0069	-0.0076	-0.0018

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	34	72	CIM3 Max	0.4556	0.1902	1.5812	0.2131	0.0031	0.0565
Base	34	72	CIM3 Min	0.4323	-0.1902	1.5143	-0.2131	0.002	-0.0565
Base	34	72	CIM4 Max	0.7471	0.0053	2.4641	0.0052	0.0111	0.0014
Base	34	72	CIM4 Min	0.4054	-0.0054	1.5221	-0.0052	-0.0044	-0.0014
Base	34	72	CIM5 Max	0.585	0.1427	2.0262	0.1596	0.0036	0.0424
Base	34	72	CIM5 Min	0.5675	-0.1427	1.976	-0.1599	0.003	-0.0424
Base	34	72	CIM6 Max	0.4942	0.0071	1.57	0.0069	0.0119	0.0018
Base	34	72	CIM6 Min	0.0365	-0.0071	0.2673	-0.0069	-0.0056	-0.0018
Base	34	72	CIM7 Max	0.276	0.1902	0.9621	0.2131	0.002	0.0565
Base	34	72	CIM7 Min	0.2547	-0.1902	0.8952	-0.2131	0.001	-0.0565
Base	35	70	PP	0.4521	-0.0016	1.7736	0.001	0.0127	-0.0002
Base	35	70	CA	0.1203	-0.004	0.3859	0.0034	0.0064	-0.0006
Base	35	70	CV	0.1623	-0.0022	0.4523	0.0019	0.0101	-0.0003
Base	35	70	SX Max	1.2461	0.0919	4.1329	0.0409	0.051	0.0079
Base	35	70	SY Max	0.4643	0.7059	1.4054	0.4314	0.0145	0.077
Base	35	70	CIM1	0.7347	-0.0061	2.6421	0.0063	0.0291	-0.0011
Base	35	70	CIM2 Max	1.6706	0.075	5.7967	0.0404	0.064	0.0062
Base	35	70	CIM2 Min	-0.5259	-0.0667	-1.4772	-0.0316	-0.0256	-0.0076
Base	35	70	CIM3 Max	0.9511	0.6153	3.3965	0.3641	0.0321	0.0669
Base	35	70	CIM3 Min	0.1636	-0.6271	0.923	-0.3752	0.006	-0.0685
Base	35	70	CIM4 Max	1.5179	0.0532	5.2492	0.0328	0.0603	0.0042
Base	35	70	CIM4 Min	-0.1296	-0.0682	-0.2062	-0.0212	-0.0071	-0.0063
Base	35	70	CIM5 Max	1.0006	0.4564	3.4491	0.2906	0.0364	0.0496
Base	35	70	CIM5 Min	0.3677	-0.4734	1.5939	-0.2769	0.0166	-0.0516
Base	35	70	CIM6 Max	1.4416	0.0774	4.9326	0.0386	0.0563	0.0065
Base	35	70	CIM6 Min	-0.7549	-0.0644	-2.3411	-0.0333	-0.0335	-0.0075
Base	35	70	CIM7 Max	0.7521	0.6177	2.5326	0.3623	0.0245	0.0673
Base	35	70	CIM7 Min	-0.0652	-0.6247	0.0591	-0.377	-0.0016	-0.0682
Base	36	71	PP	-0.301	-4.479E-06	1.056	-8.754E-06	-0.0017	-2.269E-06
Base	36	71	CA	-0.1419	-9.271E-06	0.4896	3.635E-06	-0.0007	1.014E-06
Base	36	71	CV	-0.1711	-1.128E-05	0.5942	-5.651E-06	-0.0006	-1.46E-06
Base	36	71	SX Max	0.2566	0.008	0.7263	0.0079	0.0116	0.0021
Base	36	71	SY Max	0.0133	0.2161	0.0363	0.2422	0.0006	0.0642
Base	36	71	CIM1	-0.614	-2.504E-05	2.1397	-1.077E-05	-0.0032	-2.734E-06
Base	36	71	CIM2 Max	-0.2152	0.007	2.1864	0.0069	0.0079	0.0018
Base	36	71	CIM2 Min	-0.6707	-0.007	0.9046	-0.0069	-0.0126	-0.0018
Base	36	71	CIM3 Max	-0.4312	0.1902	1.5792	0.2131	-0.0019	0.0565
Base	36	71	CIM3 Min	-0.4546	-0.1902	1.5116	-0.2131	-0.003	-0.0565
Base	36	71	CIM4 Max	-0.4004	0.0052	2.4716	0.0052	0.0047	0.0014
Base	36	71	CIM4 Min	-0.742	-0.0053	1.5105	-0.0052	-0.0106	-0.0014
Base	36	71	CIM5 Max	-0.5624	0.1426	2.0164	0.1596	-0.0026	0.0424
Base	36	71	CIM5 Min	-0.58	-0.1427	1.9659	-0.1598	-0.0034	-0.0424
Base	36	71	CIM6 Max	-0.036	0.007	1.5662	0.0069	0.0059	0.0018
Base	36	71	CIM6 Min	-0.4935	-0.007	0.2564	-0.0069	-0.0116	-0.0018
Base	36	71	CIM7 Max	-0.254	0.1902	0.961	0.2131	-0.0009	0.0565

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	36	71	CIM7 Min	-0.2775	-0.1902	0.6936	-0.2131	-0.002	-0.0565
Base	32	73	PP	0.3645	-0.0013	1.6519	-0.0003	0.0079	9.136E-06
Base	32	73	CA	-0.0214	0.0001	0.2306	-0.0004	-0.0092	0.0001
Base	32	73	CV	-0.0643	9.569E-06	0.2556	-0.0004	-0.0183	0.0001
Base	32	73	SX Max	1.0392	0.3746	3.5055	0.2222	0.0435	0.0411
Base	32	73	SY Max	0.576	0.6672	1.6606	0.3536	0.0166	0.0667
Base	32	73	CIM1	0.2769	-0.0012	2.1365	-0.0012	-0.0197	0.0001
Base	32	73	CIM2 Max	1.2777	0.3266	4.9676	0.1946	0.0369	0.0362
Base	32	73	CIM2 Min	-0.5513	-0.331	-1.2021	-0.1963	-0.0397	-0.0361
Base	32	73	CIM3 Max	0.6716	0.5659	3.5202	0.3106	0.0134	0.0567
Base	32	73	CIM3 Min	-0.1454	-0.5664	0.2452	-0.3121	-0.0162	-0.0566
Base	32	73	CIM4 Max	0.9656	0.2461	4.3662	0.1456	0.0136	0.0272
Base	32	73	CIM4 Min	-0.3659	-0.2466	-0.2391	-0.1476	-0.0436	-0.027
Base	32	73	CIM5 Max	0.6614	0.4391	3.3027	0.2324	-0.004	0.0441
Base	32	73	CIM5 Min	-0.0615	-0.4416	0.5464	-0.2346	-0.0262	-0.0439
Base	32	73	CIM6 Max	1.1324	0.3291	4.2145	0.1951	0.0375	0.0362
Base	32	73	CIM6 Min	-0.6966	-0.3306	-1.9552	-0.196	-0.0391	-0.0361
Base	32	73	CIM7 Max	0.7265	0.5664	2.7671	0.3109	0.014	0.0567
Base	32	73	CIM7 Min	-0.2907	-0.5679	-0.5079	-0.3116	-0.0156	-0.0566
Base	33	254	PP	-0.5175	-2.334E-06	1.7717	-1.414E-05	-0.0151	-2.328E-06
Base	33	254	CA	-0.1048	-6.751E-06	0.3695	4.609E-06	-0.0026	6.554E-07
Base	33	254	CV	-0.1399	-1.708E-05	0.5017	-7.324E-06	-0.0032	-1.666E-06
Base	33	254	SX Max	1.7337	0.0349	5.3295	0.0166	0.0656	0.0032
Base	33	254	SY Max	0.0306	0.5196	0.0911	0.4257	0.0011	0.0745
Base	33	254	CIM1	-0.7623	-2.617E-05	2.6429	-1.665E-05	-0.0209	-2.561E-06
Base	33	254	CIM2 Max	0.9034	0.0307	6.6311	0.0146	0.0401	0.0026
Base	33	254	CIM2 Min	-2.146	-0.0307	-2.5467	-0.0146	-0.0755	-0.0026
Base	33	254	CIM3 Max	-0.5952	0.4573	2.2214	0.3746	-0.0167	0.0656
Base	33	254	CIM3 Min	-0.6494	-0.4573	2.061	-0.3747	-0.0167	-0.0656
Base	33	254	CIM4 Max	0.417	0.023	6.0349	0.0111	0.0233	0.0021
Base	33	254	CIM4 Min	-1.6715	-0.0231	-0.9999	-0.0111	-0.0634	-0.0021
Base	33	254	CIM5 Max	-0.7069	0.3429	2.5776	0.281	-0.0193	0.0492
Base	33	254	CIM5 Min	-0.7476	-0.343	2.4573	-0.281	-0.0206	-0.0492
Base	33	254	CIM6 Max	1.1523	0.0307	5.9746	0.0146	0.0472	0.0026
Base	33	254	CIM6 Min	-1.8991	-0.0307	-3.4052	-0.0146	-0.0664	-0.0026
Base	33	254	CIM7 Max	-0.3462	0.4573	1.3649	0.3747	-0.0096	0.0656
Base	33	254	CIM7 Min	-0.4005	-0.4573	1.2045	-0.3747	-0.0116	-0.0656
Base	21	74	PP	0.1691	0.0044	11.0699	-0.0055	0.0371	0.0003
Base	21	74	CA	0.0427	0.0027	0.6663	-0.004	0.0096	1.338E-05
Base	21	74	CV	0.0649	-0.0124	1.7763	0.0136	0.0179	0
Base	21	74	SX Max	3.9276	0.332	5.1744	0.3244	1.055	0.1033
Base	21	74	SY Max	0.3211	1.23	0.4539	1.4037	0.0777	0.4046
Base	21	74	CIM1	0.2967	-0.0053	13.5165	0.0037	0.0646	0.0003
Base	21	74	CIM2 Max	3.6681	0.2993	16.2917	0.2756	1.0017	0.0913
Base	21	74	CIM2 Min	-3.2445	-0.2651	7.1647	-0.2954	-0.9079	-0.0906

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	21	74	CIM3 Max	0.4944	1.0695	12.164	1.2254	0.1153	0.3564
Base	21	74	CIM3 Min	-0.0706	-1.0753	11.3123	-1.2451	-0.0215	-0.3557
Base	21	74	CIM4 Max	2.6677	0.2169	16.467	0.2144	0.7764	0.0665
Base	21	74	CIM4 Min	-2.3167	-0.2214	9.6566	-0.2135	-0.6556	-0.0679
Base	21	74	CIM5 Max	0.4674	0.6096	13.3913	0.9268	0.1116	0.2674
Base	21	74	CIM5 Min	0.0635	-0.614	12.7525	-0.9261	0.009	-0.2667
Base	21	74	CIM6 Max	3.5634	0.2964	11.5964	0.2796	0.963	0.0911
Base	21	74	CIM6 Min	-3.3292	-0.2679	2.4694	-0.2914	-0.9266	-0.0907
Base	21	74	CIM7 Max	0.4096	1.0666	7.4666	1.2293	0.0966	0.3563
Base	21	74	CIM7 Min	-0.1555	-1.0781	6.617	-1.2412	-0.0402	-0.3559
Base	22	75	PP	-0.1362	0.0036	10.6362	-0.0049	-0.0325	-0.0003
Base	22	75	CA	-0.0117	-0.0002	0.6677	-0.0002	-0.002	-3.721E-05
Base	22	75	CV	-0.0717	-0.0135	1.765	0.015	-0.0161	1.493E-06
Base	22	75	SX Max	3.7776	0.3341	4.6953	0.3291	1.0857	0.1083
Base	22	75	SY Max	0.1645	1.191	0.4255	1.3674	0.0476	0.4556
Base	22	75	CIM1	-0.2196	-0.0102	13.2909	0.0099	-0.0505	-0.0003
Base	22	75	CIM2 Max	3.1765	0.2974	15.6376	0.2645	0.921	0.095
Base	22	75	CIM2 Min	-3.4722	-0.2907	7.374	-0.2847	-0.9699	-0.0956
Base	22	75	CIM3 Max	-0.0031	1.0514	11.8603	1.1982	0.0075	0.4006
Base	22	75	CIM3 Min	-0.2926	-1.0446	11.1315	-1.2084	-0.0763	-0.4014
Base	22	75	CIM4 Max	2.2916	0.2137	15.9435	0.2233	0.6701	0.0712
Base	22	75	CIM4 Min	-2.6949	-0.2273	9.7457	-0.2111	-0.7631	-0.0716
Base	22	75	CIM5 Max	-0.0931	0.7793	13.1255	0.9066	-0.0151	0.3005
Base	22	75	CIM5 Min	-0.3102	-0.7929	12.5638	-0.8963	-0.0779	-0.3011
Base	22	75	CIM6 Max	3.2356	0.296	11.0354	0.2666	0.9348	0.0951
Base	22	75	CIM6 Min	-3.413	-0.292	2.7716	-0.2927	-0.9761	-0.0955
Base	22	75	CIM7 Max	0.056	1.0501	7.276	1.2002	0.0213	0.4009
Base	22	75	CIM7 Min	-0.2335	-1.0461	6.5291	-1.2064	-0.0626	-0.4013
Base	46	76	PP	0.1067	-0.0003	9.0765	-0.0003	0.126	-6.194E-06
Base	46	76	CA	0.2651	-0.0011	3.7651	0.0006	0.3163	-3.319E-05
Base	46	76	CV	1.2767	0.0014	9.6096	-0.003	1.5303	-1.619E-05
Base	46	76	SX Max	0.1224	0.0055	0.0691	0.0135	0.374	0.0009
Base	46	76	SY Max	0.0051	0.1145	0.0056	0.3729	0.0179	0.0006
Base	46	76	CIM1	1.6465	-0.0001	22.6734	-0.0027	1.9766	-0.0001
Base	46	76	CIM2 Max	0.4795	0.0033	12.9244	0.0122	0.7754	0.0006
Base	46	76	CIM2 Min	0.264	-0.0063	12.5025	-0.0116	0.1172	-0.0009
Base	46	76	CIM3 Max	0.379	0.0996	12.8557	0.3264	0.4621	0.0007
Base	46	76	CIM3 Min	0.3646	-0.1025	12.8554	-0.3279	0.4305	-0.0006
Base	46	76	CIM4 Max	1.4101	0.0032	20.2665	0.007	1.8409	0.0006
Base	46	76	CIM4 Min	1.2465	-0.004	20.1754	-0.0109	1.3472	-0.0007
Base	46	76	CIM5 Max	1.3347	0.0753	20.2246	0.2441	1.6056	0.0005
Base	46	76	CIM5 Min	1.324	-0.0762	20.2171	-0.2461	1.5822	-0.0006
Base	46	76	CIM6 Max	0.3306	0.0039	7.7769	0.0121	0.5969	0.0006
Base	46	76	CIM6 Min	0.1153	-0.0057	7.6574	-0.0117	-0.0613	-0.0006
Base	46	76	CIM7 Max	0.2302	0.1002	7.7233	0.3263	0.2635	0.0007

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	48	76	CIM7 Min	0.2159	-0.1019	7.713	-0.326	0.252	-0.0007
Base	49	77	PP	-0.1037	-0.0002	9.0994	-0.0005	-0.1242	-6.194E-06
Base	49	77	CA	-0.2549	-0.0005	3.652	1.242E-05	-0.3049	-3.319E-05
Base	49	77	CV	-1.2397	0.0017	9.9747	-0.0032	-1.4863	-1.819E-05
Base	49	77	SX Max	0.1223	0.0107	0.0631	0.0173	0.3739	0.0009
Base	49	77	SY Max	0.0086	0.1101	0.006	0.3624	0.0165	0.0006
Base	49	77	CIM1	-1.5963	0.001	22.9261	-0.0037	-1.9154	-0.0001
Base	49	77	CIM2 Max	-0.2509	0.0066	13.0069	0.0146	-0.1001	0.0006
Base	49	77	CIM2 Min	-0.4662	-0.01	12.8959	-0.0157	-0.7562	-0.0009
Base	49	77	CIM3 Max	-0.351	0.0963	12.9567	0.3184	-0.4129	0.0007
Base	49	77	CIM3 Min	-0.3661	-0.0975	12.9461	-0.3194	-0.4454	-0.0006
Base	49	77	CIM4 Max	-1.2076	0.0077	20.474	0.0065	-1.2971	0.0006
Base	49	77	CIM4 Min	-1.3691	-0.0064	20.3906	-0.0144	-1.7906	-0.0007
Base	49	77	CIM5 Max	-1.2626	0.0733	20.4364	0.2363	-1.5317	0.0005
Base	49	77	CIM5 Min	-1.294	-0.0721	20.4264	-0.2421	-1.556	-0.0006
Base	49	77	CIM6 Max	-0.1075	0.009	7.6263	0.015	0.0715	0.0006
Base	49	77	CIM6 Min	-0.3226	-0.0096	7.7154	-0.0156	-0.5665	-0.0006
Base	49	77	CIM7 Max	-0.2075	0.0965	7.7761	0.3186	-0.2413	0.0007
Base	49	77	CIM7 Min	-0.2227	-0.0973	7.7655	-0.3192	-0.2737	-0.0007
Base	50	79	PP	0.0592	0.0005	9.0016	-0.0013	0.107	-6.194E-06
Base	50	79	CA	0.2043	-0.0004	3.4929	-0.0003	0.2454	-3.319E-05
Base	50	79	CV	0.997	-0.0006	8.6375	-0.0004	1.195	-1.819E-05
Base	50	79	SX Max	0.1206	0.0054	0.0719	0.0134	0.3713	0.0009
Base	50	79	SY Max	0.006	0.1145	0.0013	0.3724	0.0135	0.0006
Base	50	79	CIM1	1.2905	-0.0006	21.332	-0.0021	1.5473	-0.0001
Base	50	79	CIM2 Max	0.3996	0.0049	12.5577	0.0102	0.6791	0.0006
Base	50	79	CIM2 Min	0.1673	-0.0046	12.4312	-0.0135	0.0255	-0.0009
Base	50	79	CIM3 Max	0.2956	0.1009	12.4956	0.326	0.3642	0.0007
Base	50	79	CIM3 Min	0.2552	-0.1006	12.4934	-0.3293	0.3404	-0.0006
Base	50	79	CIM4 Max	1.1209	0.0031	19.1701	0.0069	1.4936	0.0006
Base	50	79	CIM4 Min	0.9616	-0.004	19.0752	-0.0109	1.0034	-0.0007
Base	50	79	CIM5 Max	1.0452	0.0751	19.1235	0.2436	1.2575	0.0005
Base	50	79	CIM5 Min	1.0373	-0.076	19.1216	-0.2477	1.2396	-0.0006
Base	50	79	CIM6 Max	0.2622	0.0048	7.5599	0.0108	0.5362	0.0006
Base	50	79	CIM6 Min	0.0699	-0.0047	7.4334	-0.0126	-0.1154	-0.0006
Base	50	79	CIM7 Max	0.1614	0.1006	7.4976	0.3267	0.2233	0.0007
Base	50	79	CIM7 Min	0.1706	-0.1007	7.4856	-0.3267	0.1995	-0.0007
Base	51	80	PP	-0.0863	0.0005	9.0216	-0.0013	-0.1034	-6.194E-06
Base	51	80	CA	-0.1944	-0.0004	3.5566	-0.0001	-0.2326	-3.319E-05
Base	51	80	CV	-0.9616	-0.0006	8.9949	-0.0003	-1.1529	-1.819E-05
Base	51	80	SX Max	0.1205	0.0105	0.0656	0.0175	0.3712	0.0009
Base	51	80	SY Max	0.0065	0.1098	0.001	0.3619	0.0141	0.0006
Base	51	80	CIM1	-1.2423	-0.0007	21.5733	-0.0016	-1.4869	-0.0001
Base	51	80	CIM2 Max	-0.1746	0.0096	12.6364	0.014	-0.0093	0.0006
Base	51	80	CIM2 Min	-0.3868	-0.0094	12.5205	-0.0167	-0.6627	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	51	60	CIM3 Max	-0.275	0.0967	12.5794	0.3171	-0.3236	0.0007
Base	51	60	CIM3 Min	-0.2664	-0.0965	12.5776	-0.3196	-0.3464	-0.0006
Base	51	60	CIM4 Max	-0.9224	0.0066	19.366	0.01	-0.9556	0.0006
Base	51	60	CIM4 Min	-1.0815	-0.0076	19.2612	-0.0131	-1.4457	-0.0007
Base	51	60	CIM5 Max	-0.9976	0.072	19.3253	0.2373	-1.1914	0.0005
Base	51	60	CIM5 Min	-1.0062	-0.073	19.3239	-0.2404	-1.21	-0.0006
Base	51	60	CIM6 Max	-0.0524	0.0096	7.605	0.0146	0.1251	0.0006
Base	51	60	CIM6 Min	-0.2745	-0.0095	7.4592	-0.0162	-0.5263	-0.0006
Base	51	60	CIM7 Max	-0.1627	0.0967	7.548	0.3176	-0.1892	0.0007
Base	51	60	CIM7 Min	-0.1741	-0.0966	7.5462	-0.3192	-0.214	-0.0007
Base	52	62	PP	0.0662	0.0001	8.9671	-0.0009	0.1034	-6.194E-06
Base	52	62	CA	0.1922	-0.0009	3.4334	0.0004	0.2308	-3.319E-05
Base	52	62	CV	0.9416	-0.0009	5.6423	-0.0002	1.1267	-1.619E-05
Base	52	62	SX Max	0.1166	0.0054	0.0723	0.0134	0.3667	0.0009
Base	52	62	SY Max	0.004	0.1145	0.0014	0.3723	0.0096	0.0006
Base	52	62	CIM1	1.2203	-0.0017	21.0629	-0.0006	1.4629	-0.0001
Base	52	62	CIM2 Max	0.3629	0.0039	12.4642	0.0113	0.6556	0.0006
Base	52	62	CIM2 Min	0.1739	-0.0055	12.3569	-0.0123	0.0097	-0.0009
Base	52	62	CIM3 Max	0.282	0.0999	12.4217	0.3272	0.3426	0.0007
Base	52	62	CIM3 Min	0.2749	-0.1016	12.4193	-0.3252	0.3257	-0.0006
Base	52	62	CIM4 Max	1.0632	0.002	18.95	0.0052	1.4241	0.0006
Base	52	62	CIM4 Min	0.9064	-0.0051	18.8545	-0.0096	0.9374	-0.0007
Base	52	62	CIM5 Max	0.9575	0.074	18.9032	0.2451	1.1671	0.0005
Base	52	62	CIM5 Min	0.9521	-0.0771	18.9014	-0.2464	1.1744	-0.0006
Base	52	62	CIM6 Max	0.2716	0.0042	7.516	0.0115	0.5249	0.0006
Base	52	62	CIM6 Min	0.0626	-0.0052	7.3667	-0.0121	-0.1239	-0.0006
Base	52	62	CIM7 Max	0.1706	0.1003	7.4535	0.3274	0.209	0.0007
Base	52	62	CIM7 Min	0.1635	-0.1012	7.4511	-0.328	0.1921	-0.0007
Base	53	63	PP	-0.0633	0.0002	9.0069	-0.001	-0.0996	-6.194E-06
Base	53	63	CA	-0.1626	-0.0006	3.4965	0.0002	-0.2165	-3.319E-05
Base	53	63	CV	-0.9066	-0.0006	5.796	-0.0003	-1.0573	-1.619E-05
Base	53	63	SX Max	0.1167	0.0106	0.0663	0.0175	0.3656	0.0009
Base	53	63	SY Max	0.0045	0.1095	0.001	0.3618	0.0101	0.0006
Base	53	63	CIM1	-1.1727	-0.0011	21.3014	-0.0011	-1.4056	-0.0001
Base	53	63	CIM2 Max	-0.1614	0.0092	12.5616	0.0146	0.006	0.0006
Base	53	63	CIM2 Min	-0.3703	-0.0099	12.445	-0.0162	-0.6426	-0.0009
Base	53	63	CIM3 Max	-0.2619	0.0963	12.5042	0.3176	-0.3094	0.0007
Base	53	63	CIM3 Min	-0.2698	-0.097	12.5025	-0.3192	-0.3272	-0.0006
Base	53	63	CIM4 Max	-0.5676	0.0062	19.1456	0.0105	-0.6905	0.0006
Base	53	63	CIM4 Min	-1.0243	-0.0081	19.0551	-0.0126	-1.377	-0.0007
Base	53	63	CIM5 Max	-0.943	0.0715	19.1025	0.2376	-1.1271	0.0005
Base	53	63	CIM5 Min	-0.9489	-0.0734	19.1012	-0.2399	-1.1404	-0.0006
Base	53	63	CIM6 Max	-0.0551	0.0093	7.5603	0.0149	0.1334	0.0006
Base	53	63	CIM6 Min	-0.2639	-0.0097	7.4437	-0.0159	-0.5153	-0.0006
Base	53	63	CIM7 Max	-0.1556	0.0964	7.5029	0.3179	-0.1821	0.0007

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	53	53	CIM7 Min	-0.1635	-0.0966	7.5011	-0.3169	-0.1996	-0.0007
Base	54	65	PP	0.1022	0.0006	9.0361	-0.0014	0.1225	-6.194E-06
Base	54	65	CA	0.2406	-0.0006	3.5959	9.668E-06	0.2557	-3.319E-05
Base	54	65	CV	1.1627	-0.0054	9.2629	0.0051	1.3935	-1.819E-05
Base	54	65	SX Max	0.1169	0.0055	0.0699	0.0135	0.3661	0.0009
Base	54	65	SY Max	0.0026	0.1144	0.0015	0.3722	0.0071	0.0006
Base	54	65	CIM1	1.5055	-0.0054	21.6949	0.0037	1.8047	-0.0001
Base	54	65	CIM2 Max	0.4456	0.0047	12.6936	0.0105	0.7333	0.0006
Base	54	65	CIM2 Min	0.2389	-0.0049	12.5705	-0.0133	0.0691	-0.0009
Base	54	65	CIM3 Max	0.3452	0.1006	12.6333	0.3261	0.4174	0.0007
Base	54	65	CIM3 Min	0.3403	-0.1007	12.6307	-0.3269	0.405	-0.0006
Base	54	65	CIM4 Max	1.292	-0.0005	19.6254	0.0113	1.6979	0.0006
Base	54	65	CIM4 Min	1.1377	-0.0077	19.5331	-0.0065	1.2147	-0.0007
Base	54	65	CIM5 Max	1.2167	0.0714	19.5602	0.2451	1.461	0.0005
Base	54	65	CIM5 Min	1.213	-0.0796	19.5762	-0.2433	1.4517	-0.0006
Base	54	65	CIM6 Max	0.3065	0.0046	7.6406	0.0111	0.5669	0.0006
Base	54	65	CIM6 Min	0.1026	-0.0046	7.5177	-0.0126	-0.0754	-0.0006
Base	54	65	CIM7 Max	0.2061	0.1006	7.5605	0.3267	0.2529	0.0007
Base	54	65	CIM7 Min	0.2032	-0.1007	7.5779	-0.3264	0.2405	-0.0007
Base	55	66	PP	-0.0992	0.0004	9.0561	-0.0012	-0.119	-6.194E-06
Base	55	66	CA	-0.2306	-0.0012	3.6599	0.0009	-0.2764	-3.319E-05
Base	55	66	CV	-1.1272	-0.0057	9.4209	0.0055	-1.3516	-1.819E-05
Base	55	66	SX Max	0.1166	0.0107	0.0639	0.0173	0.366	0.0009
Base	55	66	SY Max	0.0029	0.1097	0.0012	0.3617	0.0072	0.0006
Base	55	66	CIM1	-1.4573	-0.0064	22.1369	0.0052	-1.7469	-0.0001
Base	55	66	CIM2 Max	-0.2273	0.0056	12.7722	0.0149	-0.0733	0.0006
Base	55	66	CIM2 Min	-0.4326	-0.0102	12.6596	-0.0155	-0.7174	-0.0009
Base	55	66	CIM3 Max	-0.3275	0.0957	12.7171	0.318	-0.3891	0.0007
Base	55	66	CIM3 Min	-0.3326	-0.0973	12.715	-0.3166	-0.4017	-0.0006
Base	55	66	CIM4 Max	-1.0964	0.002	19.6239	0.0153	-1.1675	0.0006
Base	55	66	CIM4 Min	-1.2526	-0.0121	19.7396	-0.0076	-1.6506	-0.0007
Base	55	66	CIM5 Max	-1.1736	0.0674	19.7625	0.2426	-1.4043	0.0005
Base	55	66	CIM5 Min	-1.1774	-0.0774	19.7509	-0.2349	-1.4136	-0.0006
Base	55	66	CIM6 Max	-0.0953	0.0069	7.6556	0.015	0.0645	0.0006
Base	55	66	CIM6 Min	-0.3006	-0.0089	7.5734	-0.0154	-0.5593	-0.0006
Base	55	66	CIM7 Max	-0.1955	0.0961	7.6307	0.3161	-0.2309	0.0007
Base	55	66	CIM7 Min	-0.2006	-0.097	7.6256	-0.3165	-0.2435	-0.0007
Base	37	67	PP	0.2325	-0.2416	1.7665	0.0056	0.008	-3.367E-05
Base	37	67	CA	0.023	-0.0135	0.1334	0.0006	0.0006	1.531E-05
Base	37	67	CV	0.01	-0.0036	0.0534	0.0001	0.0002	1.163E-05
Base	37	67	SX Max	1.1729	0.1394	3.7447	0.0156	0.0655	0.0033
Base	37	67	SY Max	0.0556	0.9976	2.845	0.0754	0.0137	0.0029
Base	37	67	CIM1	0.2655	-0.2587	1.9553	0.0093	0.0056	-6.726E-06
Base	37	67	CIM2 Max	1.2676	-0.1324	5.1972	0.0229	0.0667	0.0029
Base	37	67	CIM2 Min	-0.7766	-0.3776	-1.3934	-0.0045	-0.0696	-0.0029

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	37	67	CIM3 Max	0.3046	0.623	4.4055	0.0756	0.0206	0.0026
Base	37	67	CIM3 Min	0.2065	-1.1332	-0.6017	-0.0572	-0.0035	-0.0026
Base	37	67	CIM4 Max	1.0371	-0.1656	4.4134	0.0196	0.0674	0.0022
Base	37	67	CIM4 Min	-0.5111	-0.3496	-0.5295	-0.001	-0.0499	-0.0022
Base	37	67	CIM5 Max	0.2996	0.4008	3.8197	0.0591	0.0178	0.0019
Base	37	67	CIM5 Min	0.2262	-0.9164	0.0642	-0.0405	-0.0003	-0.0019
Base	37	67	CIM6 Max	1.1654	-0.0304	4.4365	0.0192	0.0633	0.0029
Base	37	67	CIM6 Min	-0.6766	-0.2756	-2.1542	-0.0062	-0.073	-0.0029
Base	37	67	CIM7 Max	0.2024	0.725	3.6446	0.0719	0.0172	0.0026
Base	37	67	CIM7 Min	0.1042	-1.0312	-1.3625	-0.0608	-0.0069	-0.0026
Base	38	68	PP	0.1634	-0.1246	1.6644	0.0079	0.0055	-0.0002
Base	38	68	CA	0.036	0.0033	0.1974	-0.0004	0.0019	9.723E-06
Base	38	68	CV	0.0191	0.0051	0.0666	-0.0007	0.001	1.756E-05
Base	38	68	SX Max	0.5551	0.2356	2.0116	0.0163	0.0675	0.0007
Base	38	68	SY Max	0.0434	1.6391	3.1665	0.1403	0.0145	0.0036
Base	38	68	CIM1	0.2405	-0.1133	2.1506	0.0068	0.0064	-0.0002
Base	38	68	CIM2 Max	0.7099	0.056	3.832	0.0236	0.0669	0.0004
Base	38	68	CIM2 Min	-0.2671	-0.3287	0.2915	-0.0066	-0.052	-0.0006
Base	38	68	CIM3 Max	0.2586	1.497	4.6462	0.1309	0.0202	0.0032
Base	38	68	CIM3 Min	0.1632	-1.7396	-0.7246	-0.1159	-0.0053	-0.0035
Base	38	68	CIM4 Max	0.6021	0.0402	3.456	0.0191	0.0528	0.0003
Base	38	68	CIM4 Min	-0.1307	-0.2706	0.6007	-0.0051	-0.0364	-0.0006
Base	38	68	CIM5 Max	0.2644	1.0965	4.2152	0.0996	0.0178	0.0023
Base	38	68	CIM5 Min	0.207	-1.3291	0.0365	-0.0856	-0.0014	-0.0027
Base	38	68	CIM6 Max	0.6213	0.1345	3.0073	0.0206	0.0639	0.0005
Base	38	68	CIM6 Min	-0.3557	-0.2602	-0.5332	-0.0116	-0.055	-0.0007
Base	38	68	CIM7 Max	0.171	1.5456	4.0236	0.1279	0.0172	0.0032
Base	38	68	CIM7 Min	0.0946	-1.6912	-1.5495	-0.1169	-0.0063	-0.0035
Base	39	69	PP	0.0405	-0.0129	1.7116	0.0153	0.0017	-5.033E-06
Base	39	69	CA	-0.1061	-0.0442	0.6337	0.0522	-0.0069	-1.626E-05
Base	39	69	CV	-0.0565	-0.0232	0.4373	0.0274	-0.0036	-9.616E-06
Base	39	69	SX Max	2.3674	0.0754	1.0301	0.0566	0.1378	0.0001
Base	39	69	SY Max	0.0346	0.4957	0.0445	0.4534	0.002	0.0002
Base	39	69	CIM1	-0.124	-0.0603	2.9626	0.0946	-0.0069	-3.293E-05
Base	39	69	CIM2 Max	2.0176	0.0093	3.4519	0.1192	0.1161	0.0001
Base	39	69	CIM2 Min	-2.1466	-0.1235	1.6366	0.0157	-0.1264	-0.0001
Base	39	69	CIM3 Max	-0.0349	0.3617	2.5645	0.4664	-0.0034	0.0002
Base	39	69	CIM3 Min	-0.0962	-0.4959	2.5062	-0.3315	-0.0069	-0.0002
Base	39	69	CIM4 Max	1.4531	-0.0246	3.5532	0.1266	0.053	0.0001
Base	39	69	CIM4 Min	-1.6719	-0.1243	2.1934	0.0492	-0.0989	-0.0001
Base	39	69	CIM5 Max	-0.0564	0.2546	2.9026	0.3672	-0.0066	0.0001
Base	39	69	CIM5 Min	-0.1324	-0.4036	2.8439	-0.2113	-0.0093	-0.0002
Base	39	69	CIM6 Max	2.044	0.0321	2.4337	0.0922	0.1162	0.0001
Base	39	69	CIM6 Min	-2.1226	-0.1006	0.6207	-0.0113	-0.1244	-0.0001
Base	39	69	CIM7 Max	-0.0067	0.4046	1.5663	0.4394	-0.0013	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	39	89	CIM7 Min	-0.07	-0.4731	1.4661	-0.3565	-0.0049	-0.0002
Base	59	90	PP	0.2619	0.2566	1.9161	-0.0096	0.009	-7.492E-06
Base	59	90	CA	0.126	0.0197	0.4913	-0.0017	0.0036	-0.0002
Base	59	90	CV	0.064	0.017	0.2699	-0.0013	0.0018	-0.0001
Base	59	90	SX Max	1.1905	0.2516	3.5555	0.0203	0.0937	0.0035
Base	59	90	SY Max	0.0456	1.6142	4.9667	0.1257	0.0192	0.0049
Base	59	90	CIM1	0.4516	0.2935	2.6773	-0.0126	0.0145	-0.0003
Base	59	90	CIM2 Max	1.4355	0.4961	5.5362	0.0063	0.0951	0.0029
Base	59	90	CIM2 Min	-0.6596	0.055	-0.7214	-0.0294	-0.0697	-0.0033
Base	59	90	CIM3 Max	0.4261	1.6731	6.7799	0.0991	0.0296	0.0041
Base	59	90	CIM3 Min	0.3476	-1.32	-1.9651	-0.1222	-0.0042	-0.0046
Base	59	90	CIM4 Max	1.2216	0.4554	4.9564	0.0009	0.0759	0.002
Base	59	90	CIM4 Min	-0.3499	0.1231	0.2632	-0.0259	-0.0476	-0.0026
Base	59	90	CIM5 Max	0.466	1.4566	5.5892	0.0705	0.0267	0.0029
Base	59	90	CIM5 Min	0.4056	-0.9061	-0.6696	-0.0955	0.0014	-0.0036
Base	59	90	CIM6 Max	1.2604	0.3675	4.5733	0.0109	0.09	0.0029
Base	59	90	CIM6 Min	-0.6149	-0.0556	-1.6644	-0.0246	-0.0746	-0.0032
Base	59	90	CIM7 Max	0.273	1.7624	5.6169	0.1037	0.0245	0.0042
Base	59	90	CIM7 Min	0.1925	-1.4306	-2.926	-0.1176	-0.0092	-0.0045
Base	60	91	PP	-0.0025	-0.1702	0.6493	0.0026	-0.0016	-0.0004
Base	60	91	CA	-0.0064	-0.0086	0.0323	-0.0001	-0.006	-0.0014
Base	60	91	CV	-0.0044	-0.0029	0.011	-0.0001	-0.0032	-0.0007
Base	60	91	SX Max	0.2229	0.0656	0.2191	0.0024	0.2565	0.0551
Base	60	91	SY Max	0.0033	0.5121	1.7219	0.0192	0.0022	0.0005
Base	60	91	CIM1	-0.0154	-0.1617	0.6925	0.0024	-0.0109	-0.0025
Base	60	91	CIM2 Max	0.1852	-0.1211	0.8743	0.0046	0.2197	0.0467
Base	60	91	CIM2 Min	-0.2071	-0.2365	0.4856	0.0004	-0.2353	-0.0502
Base	60	91	CIM3 Max	-0.008	0.2716	2.1966	0.0194	-0.0056	-0.0013
Base	60	91	CIM3 Min	-0.0139	-0.6295	-0.6337	-0.0143	-0.0097	-0.0022
Base	60	91	CIM4 Max	0.1326	-0.1377	0.6344	0.004	0.1605	0.0341
Base	60	91	CIM4 Min	-0.1614	-0.2242	0.5452	0.0009	-0.1606	-0.0357
Base	60	91	CIM5 Max	-0.0121	0.157	1.6262	0.0151	-0.0057	-0.002
Base	60	91	CIM5 Min	-0.0165	-0.519	-0.4466	-0.0102	-0.0116	-0.0026
Base	60	91	CIM6 Max	0.1695	-0.0496	0.6017	0.0036	0.2225	0.0474
Base	60	91	CIM6 Min	-0.2027	-0.165	0.2162	-0.0006	-0.2322	-0.0495
Base	60	91	CIM7 Max	-0.0036	0.3434	1.9242	0.0154	-0.0027	-0.0006
Base	60	91	CIM7 Min	-0.0095	-0.556	-1.1063	-0.0154	-0.0066	-0.0015
Base	67	92	PP	-0.3117	0.1686	3.9716	-0.009	-0.0117	-0.0002
Base	67	92	CA	-0.1526	0.0266	0.7606	0.0002	-0.0086	-1.613E-05
Base	67	92	CV	-0.0845	0.0245	0.5776	-0.0006	-0.0045	-2.378E-05
Base	67	92	SX Max	1.6457	0.4393	3.0357	0.0233	0.1365	0.0007
Base	67	92	SY Max	0.032	2.6596	1.4903	0.1684	0.0041	0.0039
Base	67	92	CIM1	-0.549	0.2199	5.3304	-0.0093	-0.0246	-0.0002
Base	67	92	CIM2 Max	0.9636	0.562	7.4241	0.0118	0.0995	0.0004
Base	67	92	CIM2 Min	-1.9127	-0.1912	2.0612	-0.0292	-0.1405	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	67	92	CIM3 Max	-0.4363	2.5359	6.0641	0.1571	-0.0167	0.0032
Base	67	92	CIM3 Min	-0.4926	-2.1451	3.4412	-0.1745	-0.0239	-0.0037
Base	67	92	CIM4 Max	0.5563	0.5037	7.1695	0.0062	0.0665	0.0003
Base	67	92	CIM4 Min	-1.6141	-0.0761	3.1624	-0.0246	-0.1136	-0.0007
Base	67	92	CIM5 Max	-0.5068	1.9692	6.1695	0.1152	-0.021	0.0024
Base	67	92	CIM5 Min	-0.549	-1.5416	4.2024	-0.1335	-0.0264	-0.0026
Base	67	92	CIM6 Max	1.1696	0.5036	5.523	0.0153	0.108	0.0005
Base	67	92	CIM6 Min	-1.7269	-0.2694	0.1601	-0.0256	-0.1324	-0.0006
Base	67	92	CIM7 Max	-0.2505	2.4577	4.163	0.1605	-0.0056	0.0033
Base	67	92	CIM7 Min	-0.3066	-2.2232	1.5402	-0.171	-0.0156	-0.0036
Base	72	94	PP	0.0015	0.1724	0.6586	-0.0027	-0.0006	0.0001
Base	72	94	CA	0.0051	0.0132	0.0506	-1.336E-05	-0.0019	0.0003
Base	72	94	CV	0.0027	0.0066	0.0326	-0.0001	-0.001	0.0002
Base	72	94	SX Max	0.2253	0.0656	0.2191	0.0024	0.2592	0.0553
Base	72	94	SY Max	0.0034	0.5121	1.7216	0.0192	0.0023	0.0005
Base	72	94	CIM1	0.0092	0.1942	0.7416	-0.0026	-0.0035	0.0006
Base	72	94	CIM2 Max	0.2046	0.2433	0.902	-0.0006	0.2256	0.0491
Base	72	94	CIM2 Min	-0.1917	0.1279	0.5164	-0.0046	-0.2306	-0.0462
Base	72	94	CIM3 Max	0.0096	0.6362	2.2243	0.0141	-0.0005	0.0006
Base	72	94	CIM3 Min	0.0035	-0.2651	-0.606	-0.0196	-0.0045	-1.895E-05
Base	72	94	CIM4 Max	0.1573	0.2353	0.8763	-0.0012	0.1678	0.037
Base	72	94	CIM4 Min	-0.1401	0.1467	0.5891	-0.0044	-0.1744	-0.0359
Base	72	94	CIM5 Max	0.0106	0.53	1.67	0.0099	-0.0016	0.0009
Base	72	94	CIM5 Min	0.0063	-0.146	-0.4027	-0.0154	-0.0046	0.0002
Base	72	94	CIM6 Max	0.2022	0.169	0.6163	0.0005	0.2266	0.0469
Base	72	94	CIM6 Min	-0.1943	0.0536	0.2327	-0.0037	-0.2296	-0.0464
Base	72	94	CIM7 Max	0.007	0.562	1.9407	0.0152	0.0005	0.0007
Base	72	94	CIM7 Min	0.0009	-0.3393	-1.0696	-0.0165	-0.0035	-0.0002
Base	73	93	PP	-0.0003	-0.1966	0.5465	0.0029	0.0005	0.0001
Base	73	93	CA	0.0001	-0.014	0.0357	-4.07E-05	0.0002	0.0001
Base	73	93	CV	0.0001	-0.0029	0.0093	-0.0001	0.0001	3.067E-05
Base	73	93	SX Max	0.1752	0.2366	0.5959	0.0042	0.043	0.0141
Base	73	93	SY Max	0.1096	1.1695	2.6599	0.0302	0.0272	0.0069
Base	73	93	CIM1	-0.0001	-0.2135	0.5945	0.0026	0.0008	0.0002
Base	73	93	CIM2 Max	0.154	-0.0024	1.1096	0.0066	0.0365	0.0126
Base	73	93	CIM2 Min	-0.1544	-0.4169	0.0606	-0.0008	-0.0372	-0.0123
Base	73	93	CIM3 Max	0.0963	0.6165	3.1019	0.0295	0.0246	0.006
Base	73	93	CIM3 Min	-0.0966	-1.2386	-1.9315	-0.0237	-0.0233	-0.0077
Base	73	93	CIM4 Max	0.1156	-0.0567	0.9855	0.0056	0.0292	0.0095
Base	73	93	CIM4 Min	-0.1157	-0.369	0.1966	-1.343E-06	-0.0276	-0.0091
Base	73	93	CIM5 Max	0.0722	0.5591	2.4797	0.0227	0.0167	0.0061
Base	73	93	CIM5 Min	-0.0724	-0.9847	-1.2954	-0.0171	-0.0172	-0.0057
Base	73	93	CIM6 Max	0.1541	0.0516	0.6755	0.0054	0.0363	0.0125
Base	73	93	CIM6 Min	-0.1543	-0.3346	-0.1733	-0.002	-0.0374	-0.0123
Base	73	93	CIM7 Max	0.0964	0.9026	2.6679	0.0263	0.0243	0.0079

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	73	93	CIM7 Min	-0.0965	-1.1556	-2.1656	-0.0246	-0.0235	-0.0077
Base	76	95	PP	-0.1679	0.0003	0.6472	0.0002	-0.0025	2.162E-05
Base	76	95	CA	-0.0039	-0.0001	0.0447	-4.392E-06	0.0006	-7.529E-07
Base	76	95	CV	-0.0022	-0.0001	0.0247	-2.083E-05	0.0003	-3.665E-06
Base	76	95	SX Max	0.5742	0.1664	2.5021	0.0665	0.0313	0.0207
Base	76	95	SY Max	0.3355	0.2633	0.6547	0.1283	0.0096	0.0304
Base	76	95	CIM1	-0.174	0.0002	0.7166	0.0001	-0.0016	1.739E-05
Base	76	95	CIM2 Max	0.5975	0.1642	2.6937	0.0751	0.0257	0.0163
Base	76	95	CIM2 Min	-0.9411	-0.1636	-1.5099	-0.0775	-0.0295	-0.0182
Base	76	95	CIM3 Max	0.1234	0.2496	1.444	0.1131	0.0067	0.0266
Base	76	95	CIM3 Min	-0.467	-0.249	-0.0602	-0.1126	-0.0105	-0.0267
Base	76	95	CIM4 Max	0.4035	0.1232	2.3616	0.0586	0.019	0.0137
Base	76	95	CIM4 Min	-0.7504	-0.1226	-0.9409	-0.0563	-0.0224	-0.0137
Base	76	95	CIM5 Max	0.0479	0.1671	1.2746	0.0646	0.0047	0.0201
Base	76	95	CIM5 Min	-0.3949	-0.1666	0.1464	-0.0645	-0.0062	-0.0201
Base	76	95	CIM6 Max	0.6662	0.1641	2.617	0.076	0.0264	0.0162
Base	76	95	CIM6 Min	-0.8724	-0.1639	-1.7667	-0.0776	-0.0267	-0.0182
Base	76	95	CIM7 Max	0.1921	0.2494	1.1673	0.113	0.0074	0.0265
Base	76	95	CIM7 Min	-0.3963	-0.2491	-0.337	-0.1125	-0.0097	-0.0266
Base	79	96	PP	0.1785	0.0009	0.6627	0.0014	0.0033	-0.0001
Base	79	96	CA	0.0042	-0.0014	0.0547	0.0011	-0.0009	-0.0002
Base	79	96	CV	0.006	-0.003	0.0436	0.002	-0.0002	-0.0003
Base	79	96	SX Max	0.6107	0.103	2.5623	0.0443	0.0391	0.0067
Base	79	96	SY Max	0.6167	0.3651	1.7576	0.1704	0.0162	0.0326
Base	79	96	CIM1	0.1917	-0.0035	0.9612	0.0044	0.0022	-0.0006
Base	79	96	CIM2 Max	0.697	0.0901	3.1696	0.0414	0.0366	0.0074
Base	79	96	CIM2 Min	-0.5297	-0.0911	-1.355	-0.0365	-0.032	-0.006
Base	79	96	CIM3 Max	0.7261	0.3206	2.4641	0.1524	0.0164	0.0266
Base	79	96	CIM3 Min	-0.3606	-0.3216	-0.6293	-0.1475	-0.0136	-0.0291
Base	79	96	CIM4 Max	0.7247	0.0652	2.6546	0.0331	0.026	0.0052
Base	79	96	CIM4 Min	-0.3454	-0.0707	-0.7541	-0.0253	-0.0236	-0.0063
Base	79	96	CIM5 Max	0.596	0.2352	2.1103	0.1164	0.0142	0.0211
Base	79	96	CIM5 Min	-0.2167	-0.2436	-0.2096	-0.1066	-0.0096	-0.0222
Base	79	96	CIM6 Max	0.8236	0.0903	2.8229	0.0404	0.0358	0.0075
Base	79	96	CIM6 Min	-0.6032	-0.0909	-1.722	-0.0375	-0.033	-0.0079
Base	79	96	CIM7 Max	0.6547	0.321	2.0971	0.1515	0.0174	0.0267
Base	79	96	CIM7 Min	-0.4343	-0.3216	-0.9962	-0.1465	-0.0145	-0.029
Base	80	97	PP	-0.226	0.0002	0.895	2.626E-05	-0.006	0
Base	80	97	CA	-0.0143	0.0002	0.0714	0.0001	0.0003	9.606E-06
Base	80	97	CV	-0.0093	0.0001	0.0436	4.34E-05	0.0001	2.776E-06
Base	80	97	SX Max	1.3355	0.1311	3.6406	0.0642	0.0571	0.0149
Base	80	97	SY Max	0.1964	0.5455	0.3643	0.3623	0.0062	0.067
Base	80	97	CIM1	-0.2496	0.0005	1.01	0.0002	-0.0056	1.19E-05
Base	80	97	CIM2 Max	0.9349	0.1156	4.3462	0.0742	0.0445	0.0132
Base	80	97	CIM2 Min	-1.4156	-0.115	-2.4134	-0.074	-0.0559	-0.0131

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	60	97	CIM3 Max	-0.0657	0.4605	1.3046	0.3366	0.0015	0.0589
Base	60	97	CIM3 Min	-0.415	-0.4796	0.6262	-0.3363	-0.0129	-0.0589
Base	60	97	CIM4 Max	0.6342	0.057	3.5339	0.0557	0.032	0.0099
Base	60	97	CIM4 Min	-1.1267	-0.066	-1.5357	-0.0554	-0.0433	-0.0099
Base	60	97	CIM5 Max	-0.1163	0.3605	1.2527	0.2525	-0.0002	0.0442
Base	60	97	CIM5 Min	-0.3762	-0.3595	0.7455	-0.2521	-0.011	-0.0442
Base	60	97	CIM6 Max	1.031	0.1156	3.9596	0.0742	0.0466	0.0132
Base	60	97	CIM6 Min	-1.3195	-0.1151	-2.7999	-0.074	-0.0536	-0.0131
Base	60	97	CIM7 Max	0.0304	0.4603	0.916	0.3365	0.0036	0.0589
Base	60	97	CIM7 Min	-0.3166	-0.4796	0.2417	-0.3363	-0.0106	-0.0589
Base	63	96	PP	0.0023	0.2365	0.8725	-0.0067	0.0026	-0.0005
Base	63	96	CA	0.006	0.0095	0.0119	-0.0005	0.0097	-0.0017
Base	63	96	CV	0.0042	0.0066	0.0167	-0.0004	0.0051	-0.0009
Base	63	96	SX Max	0.5471	0.115	0.3261	0.0051	0.4145	0.0734
Base	63	96	SY Max	0.0469	1.0432	2.9415	0.0465	0.0274	0.005
Base	63	96	CIM1	0.0146	0.2565	0.9011	-0.0076	0.0177	-0.0031
Base	63	96	CIM2 Max	0.4916	0.3491	1.1732	-0.0027	0.3773	0.0624
Base	63	96	CIM2 Min	-0.471	0.1466	0.5957	-0.0116	-0.3523	-0.0666
Base	63	96	CIM3 Max	0.0517	1.166	3.473	0.0336	0.0367	0.0022
Base	63	96	CIM3 Min	-0.0309	-0.67	-1.7041	-0.0461	-0.0116	-0.0066
Base	63	96	CIM4 Max	0.3746	0.3303	1.1135	-0.0041	0.29	0.0456
Base	63	96	CIM4 Min	-0.3475	0.1765	0.6804	-0.0106	-0.2572	-0.0513
Base	63	96	CIM5 Max	0.0445	0.9429	2.6364	0.0232	0.0345	0.0005
Base	63	96	CIM5 Min	-0.0174	-0.4341	-1.0445	-0.0362	-0.0017	-0.0062
Base	63	96	CIM6 Max	0.4677	0.2499	0.8194	0.0002	0.3723	0.0633
Base	63	96	CIM6 Min	-0.4752	0.0476	0.2419	-0.0066	-0.3573	-0.0659
Base	63	96	CIM7 Max	0.0475	1.0666	3.1192	0.0366	0.0316	0.0031
Base	63	96	CIM7 Min	-0.0351	-0.7692	-2.0579	-0.0452	-0.0166	-0.0057
Base	91	99	PP	-0.2459	0.0127	1.001	-0.0116	-0.0062	-0.002
Base	91	99	CA	-0.0654	0.046	0.4362	-0.0417	-0.0003	-0.0073
Base	91	99	CV	-0.0453	0.0242	0.2367	-0.022	-0.0003	-0.0036
Base	91	99	SX Max	1.3632	0.0621	3.9106	0.0541	0.0578	0.0093
Base	91	99	SY Max	0.2325	0.5701	0.463	0.375	0.0058	0.0655
Base	91	99	CIM1	-0.3795	0.053	1.6759	-0.0753	-0.0066	-0.0131
Base	91	99	CIM2 Max	0.6684	0.131	4.8767	-0.0057	0.0443	-0.0011
Base	91	99	CIM2 Min	-1.5309	-0.0135	-2.0043	-0.101	-0.0574	-0.0175
Base	91	99	CIM3 Max	-0.1266	0.5605	1.6622	0.2767	0.0012	0.0463
Base	91	99	CIM3 Min	-0.5356	-0.443	1.0122	-0.3834	-0.0143	-0.0669
Base	91	99	CIM4 Max	0.5323	0.1311	4.1974	-0.0341	0.0314	-0.006
Base	91	99	CIM4 Min	-1.2672	0.0227	-0.9649	-0.1055	-0.0449	-0.0163
Base	91	99	CIM5 Max	-0.214	0.4532	1.935	0.1777	-0.001	0.031
Base	91	99	CIM5 Min	-0.5209	-0.2984	1.2974	-0.3173	-0.0126	-0.0554
Base	91	99	CIM6 Max	1.0009	0.1075	4.3036	0.0156	0.0469	0.0026
Base	91	99	CIM6 Min	-1.3864	-0.037	-2.5792	-0.0796	-0.0546	-0.0136
Base	91	99	CIM7 Max	0.0056	0.537	1.2674	0.296	0.0036	0.052

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	91	99	CIM7 Min	-0.4033	-0.4665	0.4373	-0.362	-0.0117	-0.0632
Base	92	100	PP	0.2672	0.0007	0.9355	0.0049	0.0065	-0.0009
Base	92	100	CA	0.1341	0.0027	0.536	0.0167	0.0017	-0.0029
Base	92	100	CV	0.0661	0.0014	0.2748	0.0088	0.0008	-0.0015
Base	92	100	SX Max	1.4213	0.0671	3.8591	0.0583	0.055	0.0117
Base	92	100	SY Max	0.0239	0.5664	0.0691	0.3921	0.001	0.0776
Base	92	100	CIM1	0.4695	0.0048	1.7463	0.0304	0.009	-0.0053
Base	92	100	CIM2 Max	1.6521	0.06	4.6675	0.073	0.0566	0.0065
Base	92	100	CIM2 Min	-0.5494	-0.0733	-1.9245	-0.0297	-0.0402	-0.0141
Base	92	100	CIM3 Max	0.4224	0.5018	1.5323	0.3667	0.0091	0.0647
Base	92	100	CIM3 Min	0.3503	-0.4951	1.4107	-0.3234	0.0074	-0.0723
Base	92	100	CIM4 Max	1.3905	0.0619	4.2246	0.0667	0.0452	0.0027
Base	92	100	CIM4 Min	-0.4656	-0.0531	-0.8694	-0.0103	-0.0275	-0.0127
Base	92	100	CIM5 Max	0.4683	0.3763	1.7232	0.287	0.0095	0.0464
Base	92	100	CIM5 Min	0.4367	-0.3694	1.632	-0.2306	0.0052	-0.0563
Base	92	100	CIM6 Max	1.4915	0.0767	4.2769	0.0643	0.0533	0.006
Base	92	100	CIM6 Min	-1.0099	-0.0746	-2.5131	-0.0364	-0.0435	-0.0125
Base	92	100	CIM7 Max	0.2619	0.5005	0.9437	0.356	0.0056	0.0662
Base	92	100	CIM7 Min	0.2196	-0.4964	0.8221	-0.3321	0.0041	-0.0706
Base	95	101	PP	-0.2577	0.1234	2.2047	-0.0078	-0.0107	-0.0002
Base	95	101	CA	-0.0211	0.0395	0.3207	-0.0023	-0.0005	-0.0001
Base	95	101	CV	-0.0141	0.026	0.1675	-0.0016	-0.0005	-3.844E-05
Base	95	101	SX Max	1.6455	0.2361	4.4794	0.0189	0.1245	0.0004
Base	95	101	SY Max	0.0464	1.6145	2.7716	0.1337	0.008	0.0032
Base	95	101	CIM1	-0.2929	0.1669	2.7129	-0.0117	-0.0116	-0.0003
Base	95	101	CIM2 Max	1.1692	0.3724	6.4674	0.0065	0.0964	0.0002
Base	95	101	CIM2 Min	-1.7266	-0.0467	-1.4164	-0.0267	-0.1206	-0.0006
Base	95	101	CIM3 Max	-0.236	1.5837	4.9647	0.1076	-0.0041	0.0026
Base	95	101	CIM3 Min	-0.3196	-1.2579	0.0663	-0.1276	-0.0163	-0.003
Base	95	101	CIM4 Max	0.7966	0.3395	5.6225	0.0012	0.0706	2.71E-05
Base	95	101	CIM4 Min	-1.3754	0.0252	-0.2904	-0.0236	-0.0937	-0.0005
Base	95	101	CIM5 Max	-0.2566	1.248	4.4955	0.077	-0.0062	0.0016
Base	95	101	CIM5 Min	-0.32	-0.5532	0.6367	-0.0996	-0.0166	-0.0024
Base	95	101	CIM6 Max	1.2607	0.3073	5.4572	0.0105	0.1029	0.0002
Base	95	101	CIM6 Min	-1.6153	-0.1116	-2.4266	-0.0227	-0.1163	-0.0005
Base	95	101	CIM7 Max	-0.1265	1.5165	3.9545	0.1116	0.0004	0.0027
Base	95	101	CIM7 Min	-0.2061	-1.323	-0.9239	-0.1237	-0.0136	-0.0029
Base	96	102	PP	-0.0302	-0.2023	0.7961	0.0045	-0.021	-0.0042
Base	96	102	CA	-0.1022	-0.0257	0.1216	0.0004	-0.0713	-0.0143
Base	96	102	CV	-0.0538	-0.0106	0.0542	0.0001	-0.0375	-0.0075
Base	96	102	SX Max	0.3137	0.1132	0.3629	0.0046	0.3219	0.0596
Base	96	102	SY Max	0.0047	0.6556	2.7665	0.0355	0.0029	0.0005
Base	96	102	CIM1	-0.1662	-0.2386	0.9721	0.005	-0.1296	-0.026
Base	96	102	CIM2 Max	0.1436	-0.1264	1.2373	0.009	0.191	0.0342
Base	96	102	CIM2 Min	-0.4065	-0.3276	0.5965	0.0006	-0.3756	-0.0711

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	96	102	CIM3 Max	-0.1263	0.5249	3.3524	0.0361	-0.0896	-0.016
Base	96	102	CIM3 Min	-0.1365	-0.9609	-1.5166	-0.0263	-0.0949	-0.0169
Base	96	102	CIM4 Max	0.0342	-0.1613	1.1961	0.006	0.092	0.0154
Base	96	102	CIM4 Min	-0.3795	-0.3106	0.719	0.0019	-0.3329	-0.0636
Base	96	102	CIM5 Max	-0.1697	0.3267	2.7844	0.0264	-0.1186	-0.0237
Base	96	102	CIM5 Min	-0.1759	-0.8007	-0.6673	-0.0184	-0.1224	-0.0245
Base	96	102	CIM6 Max	0.1966	-0.0372	0.6701	0.007	0.2279	0.0415
Base	96	102	CIM6 Min	-0.3555	-0.2364	0.2313	-0.0011	-0.3367	-0.0637
Base	96	102	CIM7 Max	-0.0754	0.6161	2.9652	0.0342	-0.0529	-0.0106
Base	96	102	CIM7 Min	-0.0836	-0.6697	-1.8638	-0.0263	-0.0579	-0.0116
Base	97	103	PP	0.2515	-0.2497	1.6606	0.0065	0.0091	-2.945E-05
Base	97	103	CA	0.0186	-0.1659	0.5663	0.0011	0.0003	-0.0005
Base	97	103	CV	0.0069	-0.0951	0.2601	0.0004	-1.143E-06	-0.0003
Base	97	103	SX Max	1.5931	0.1216	4.5569	0.0195	0.1124	0.0043
Base	97	103	SY Max	0.0662	0.6642	2.7977	0.0765	0.0226	0.0029
Base	97	103	CIM1	0.277	-0.5307	2.7272	0.006	0.0094	-0.0006
Base	97	103	CIM2 Max	1.6721	-0.3286	6.4569	0.0246	0.1063	0.0032
Base	97	103	CIM2 Min	-1.1316	-0.5426	-1.5647	-0.0095	-0.0695	-0.0043
Base	97	103	CIM3 Max	0.3477	0.3249	4.909	0.0749	0.0293	0.002
Base	97	103	CIM3 Min	0.1925	-1.1961	-0.0149	-0.0597	-0.0105	-0.0031
Base	97	103	CIM4 Max	1.3267	-0.4267	5.666	0.0208	0.0836	0.0021
Base	97	103	CIM4 Min	-0.7762	-0.5672	-0.3517	-0.0049	-0.0646	-0.0035
Base	97	103	CIM5 Max	0.3334	0.0634	4.5036	0.0584	0.0243	0.0012
Base	97	103	CIM5 Min	0.2171	-1.0773	0.6107	-0.0425	-0.0055	-0.0026
Base	97	103	CIM6 Max	1.564	-0.1543	5.4601	0.0217	0.1046	0.0034
Base	97	103	CIM6 Min	-1.2399	-0.3684	-2.5436	-0.0126	-0.0933	-0.0041
Base	97	103	CIM7 Max	0.2397	0.4991	3.9302	0.0719	0.0255	0.0022
Base	97	103	CIM7 Min	0.0845	-1.0219	-0.9937	-0.0627	-0.0142	-0.0029
Base	99	104	PP	0.0366	-0.2551	0.9612	0.0077	0.0266	0.0046
Base	99	104	CA	0.1244	-0.0305	0.1116	0.0009	0.0901	0.0156
Base	99	104	CV	0.0655	-0.0103	0.0426	0.0002	0.0474	0.0082
Base	99	104	SX Max	0.4765	0.2425	0.6605	0.0113	0.4619	0.0725
Base	99	104	SY Max	0.0076	1.6465	4.495	0.0769	0.006	0.001
Base	99	104	CIM1	0.2266	-0.2956	1.1354	0.0068	0.1641	0.0263
Base	99	104	CIM2 Max	0.5605	-0.0722	1.674	0.0165	0.5232	0.064
Base	99	104	CIM2 Min	-0.2562	-0.499	0.5116	-0.0013	-0.2696	-0.0436
Base	99	104	CIM3 Max	0.1679	1.1633	5.051	0.0763	0.122	0.021
Base	99	104	CIM3 Min	0.1544	-1.7345	-2.8654	-0.0591	0.1115	0.0193
Base	99	104	CIM4 Max	0.5246	-0.1332	1.5607	0.0162	0.4571	0.0741
Base	99	104	CIM4 Min	-0.1042	-0.4533	0.6666	0.0013	-0.1526	-0.0216
Base	99	104	CIM5 Max	0.2153	0.7934	4.0934	0.0595	0.1562	0.0269
Base	99	104	CIM5 Min	0.2052	-1.3799	-1.8439	-0.042	0.1463	0.0257
Base	99	104	CIM6 Max	0.516	0.0421	1.2369	0.0151	0.4765	0.0759
Base	99	104	CIM6 Min	-0.3226	-0.3648	0.0745	-0.0046	-0.3364	-0.0517
Base	99	104	CIM7 Max	0.1034	1.2775	4.6139	0.0729	0.0753	0.0129

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	99	104	CIM7 Min	0.09	-1.6202	-3.3026	-0.0625	0.0646	0.0112
Base	103	105	PP	-0.0003	0.2612	1.0159	-0.0072	-0.0002	2.961E-05
Base	103	105	CA	-0.0011	0.0461	0.2341	0.0009	-0.0006	0.0001
Base	103	105	CV	-0.0006	0.0311	0.1406	0.0002	-0.0003	0.0001
Base	103	105	SX Max	0.3686	0.2426	0.7031	0.0111	0.3413	0.0535
Base	103	105	SY Max	0.0071	1.6493	4.8165	0.0757	0.0053	0.0009
Base	103	105	CIM1	-0.002	0.3404	1.3907	-0.0061	-0.0011	0.0002
Base	103	105	CIM2 Max	0.3229	0.5229	1.6686	0.0034	0.2995	0.0472
Base	103	105	CIM2 Min	-0.3256	0.0957	0.6313	-0.0161	-0.3011	-0.0469
Base	103	105	CIM3 Max	0.0046	1.7607	5.4904	0.0603	0.0039	0.0009
Base	103	105	CIM3 Min	-0.0077	-1.1421	-2.9903	-0.0729	-0.0055	-0.0006
Base	103	105	CIM4 Max	0.2414	0.4926	1.6195	0.0012	0.2242	0.0355
Base	103	105	CIM4 Min	-0.2451	0.1724	0.6915	-0.0135	-0.2263	-0.0351
Base	103	105	CIM5 Max	0.0026	1.4212	4.5357	0.0438	0.0025	0.0007
Base	103	105	CIM5 Min	-0.0065	-0.7559	-1.6247	-0.0561	-0.0045	-0.0004
Base	103	105	CIM6 Max	0.3235	0.3992	1.3667	0.006	0.2998	0.0471
Base	103	105	CIM6 Min	-0.3252	-0.0281	0.1313	-0.0135	-0.3006	-0.047
Base	103	105	CIM7 Max	0.0054	1.637	4.9903	0.0626	0.0042	0.0008
Base	103	105	CIM7 Min	-0.0071	-1.2656	-3.4903	-0.0704	-0.0051	-0.0007
Base	104	106	PP	0	-0.1585	0.6139	0.0013	0	0
Base	104	106	CA	1.346E-06	-0.0677	0.2536	0.0005	3.425E-06	6.534E-07
Base	104	106	CV	3.513E-06	-0.0349	0.1307	0.0003	-3.641E-06	-6.846E-07
Base	104	106	SX Max	0.1756	0.0432	0.1459	0.0019	0.2269	0.0542
Base	104	106	SY Max	0.0016	0.2516	0.9441	0.0127	0.0011	0.0003
Base	104	106	CIM1	5.346E-06	-0.2611	0.9964	0.0021	0	0
Base	104	106	CIM2 Max	0.1545	-0.1662	0.9961	0.0035	0.1997	0.0477
Base	104	106	CIM2 Min	-0.1545	-0.2642	0.7394	0.0002	-0.1997	-0.0477
Base	104	106	CIM3 Max	0.0014	0.0216	1.6965	0.013	0.0009	0.0002
Base	104	106	CIM3 Min	-0.0014	-0.4742	0.0369	-0.0093	-0.0009	-0.0002
Base	104	106	CIM4 Max	0.1159	-0.2239	1.062	0.0033	0.1496	0.0356
Base	104	106	CIM4 Min	-0.1159	-0.2609	0.5695	0.0006	-0.1496	-0.0356
Base	104	106	CIM5 Max	0.001	-0.0664	1.5669	0.0104	0.0007	0.0002
Base	104	106	CIM5 Min	-0.001	-0.4364	0.3426	-0.0063	-0.0007	-0.0002
Base	104	106	CIM6 Max	0.1545	-0.0977	0.649	0.0026	0.1997	0.0477
Base	104	106	CIM6 Min	-0.1545	-0.1737	0.3923	-0.0005	-0.1997	-0.0477
Base	104	106	CIM7 Max	0.0014	0.1123	1.3515	0.0122	0.0009	0.0002
Base	104	106	CIM7 Min	-0.0014	-0.3537	-0.3102	-0.01	-0.0009	-0.0002
Base	106	107	PP	0	0.1606	0.6219	-0.0014	0	0
Base	106	107	CA	-4.216E-06	0.0737	0.2739	-0.0007	2.457E-06	-5.36E-07
Base	106	107	CV	0	0.0395	0.147	-0.0004	-4.375E-06	1.059E-06
Base	106	107	SX Max	0.1753	0.0432	0.1459	0.0019	0.2269	0.0541
Base	106	107	SY Max	0.0016	0.2516	0.9442	0.0127	0.0011	0.0003
Base	106	107	CIM1	-4.053E-06	0.274	1.0426	-0.0025	-2.062E-06	5.61E-07
Base	106	107	CIM2 Max	0.1543	0.2725	1.0241	-0.0004	0.1996	0.0476
Base	106	107	CIM2 Min	-0.1543	0.1965	0.7674	-0.0037	-0.1996	-0.0477

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	106	107	CIM3 Max	0.0016	0.4625	1.7267	0.0091	0.001	0.0002
Base	106	107	CIM3 Min	-0.0016	-0.0135	0.0649	-0.0132	-0.001	-0.0002
Base	106	107	CIM4 Max	0.1157	0.2926	1.1023	-0.0011	0.1497	0.0357
Base	106	107	CIM4 Min	-0.1157	0.2357	0.9096	-0.0036	-0.1497	-0.0357
Base	106	107	CIM5 Max	0.0012	0.4502	1.6292	0.006	0.0007	0.0002
Base	106	107	CIM5 Min	-0.0012	0.0761	0.3529	-0.0107	-0.0007	-0.0002
Base	106	107	CIM6 Max	0.1543	0.1767	0.6656	0.0004	0.1996	0.0477
Base	106	107	CIM6 Min	-0.1543	0.1027	0.4091	-0.0029	-0.1996	-0.0477
Base	106	107	CIM7 Max	0.0016	0.3557	1.3663	0.0099	0.001	0.0002
Base	106	107	CIM7 Min	-0.0016	-0.1073	-0.2934	-0.0124	-0.001	-0.0002
Base	122	111	PP	0.0119	0.2143	0.8206	-0.0046	-0.0017	0.0001
Base	122	111	CA	0.0403	0.0546	0.1735	-0.001	-0.0056	0.0003
Base	122	111	CV	0.0212	0.0316	0.1012	-0.0006	-0.0031	0.0001
Base	122	111	SX Max	0.3191	0.1131	0.3626	0.0046	0.3243	0.0603
Base	122	111	SY Max	0.0046	0.6555	2.766	0.0355	0.0029	0.0005
Base	122	111	CIM1	0.0734	0.3005	1.0955	-0.0064	-0.0106	0.0005
Base	122	111	CIM2 Max	0.333	0.3664	1.3136	-0.0017	0.2776	0.0534
Base	122	111	CIM2 Min	-0.2267	0.1693	0.675	-0.0099	-0.2929	-0.0527
Base	122	111	CIM3 Max	0.0563	1.0217	3.4264	0.0254	-0.0049	0.0006
Base	122	111	CIM3 Min	0.046	-0.464	-1.4396	-0.037	-0.0101	-0.0001
Base	122	111	CIM4 Max	0.2767	0.3673	1.3097	-0.0032	0.2042	0.0403
Base	122	111	CIM4 Min	-0.1426	0.2179	0.8307	-0.0093	-0.2236	-0.0393
Base	122	111	CIM5 Max	0.0712	0.6572	2.6956	0.0171	-0.0079	0.0006
Base	122	111	CIM5 Min	0.0649	-0.272	-0.7554	-0.0297	-0.0117	0.0001
Base	122	111	CIM6 Max	0.3121	0.2609	0.9159	0.0006	0.2668	0.0533
Base	122	111	CIM6 Min	-0.2495	0.0618	0.2773	-0.0075	-0.2699	-0.0529
Base	122	111	CIM7 Max	0.0355	0.9142	3.0307	0.0277	-0.0019	0.0007
Base	122	111	CIM7 Min	0.0271	-0.5915	-1.6375	-0.0347	-0.0071	-0.0003
Base	123	110	PP	-5.916E-06	-0.2044	0.9302	0.0036	-4.167E-06	-7.396E-07
Base	123	110	CA	-2.196E-05	-0.0291	0.259	-0.0039	-6.139E-06	-1.564E-06
Base	123	110	CV	-7.246E-06	-0.0126	0.1262	-0.0022	-1.226E-05	-2.036E-06
Base	123	110	SX Max	0.3543	0.1075	0.3694	0.0052	0.3542	0.0573
Base	123	110	SY Max	0.0036	0.6197	2.6362	0.0404	0.0031	0.0005
Base	123	110	CIM1	-3.513E-05	-0.2461	1.3154	-0.0022	-2.459E-05	-4.339E-06
Base	123	110	CIM2 Max	0.3116	-0.1389	1.5144	0.0046	0.3117	0.0504
Base	123	110	CIM2 Min	-0.3116	-0.3282	0.8642	-0.0047	-0.3117	-0.0505
Base	123	110	CIM3 Max	0.0033	0.4678	3.6852	0.0355	0.0027	0.0004
Base	123	110	CIM3 Min	-0.0033	-0.9549	-1.3066	-0.0356	-0.0027	-0.0004
Base	123	110	CIM4 Max	0.2336	-0.172	1.5277	0.0016	0.2336	0.0376
Base	123	110	CIM4 Min	-0.2339	-0.314	1.0401	-0.0052	-0.2336	-0.0376
Base	123	110	CIM5 Max	0.0024	0.296	3.1556	0.0249	0.002	0.0003
Base	123	110	CIM5 Min	-0.0025	-0.764	-0.566	-0.0263	-0.0021	-0.0003
Base	123	110	CIM6 Max	0.3116	-0.0455	1.0367	0.0046	0.3117	0.0504
Base	123	110	CIM6 Min	-0.3116	-0.2347	0.3665	-0.0047	-0.3117	-0.0505
Base	123	110	CIM7 Max	0.0033	0.5612	3.2095	0.0355	0.0027	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	123	110	CIM7 Min	-0.0033	-0.6615	-1.7623	-0.0356	-0.0027	-0.0004
Base	124	109	PP	1.779E-06	0.2245	0.9669	-0.0049	-6.466E-07	0
Base	124	109	CA	2.042E-06	0.0957	0.3696	0.0004	2.266E-06	0
Base	124	109	CV	5.259E-06	0.0531	0.2047	0.0001	-5.535E-06	9.664E-07
Base	124	109	SX Max	0.3537	0.1074	0.3694	0.0052	0.354	0.0572
Base	124	109	SY Max	0.0039	0.8164	2.836	0.0399	0.0031	0.0005
Base	124	109	CIM1	9.05E-06	0.3734	1.5432	-0.0044	-5.419E-06	5.645E-07
Base	124	109	CIM2 Max	0.3113	0.4146	1.6636	0.0001	0.3115	0.0504
Base	124	109	CIM2 Min	-0.3113	0.2256	1.0134	-0.0091	-0.3115	-0.0504
Base	124	109	CIM3 Max	0.0034	1.0404	3.6342	0.0306	0.0026	0.0005
Base	124	109	CIM3 Min	-0.0034	-0.3999	-1.1572	-0.0396	-0.0026	-0.0005
Base	124	109	CIM4 Max	0.2335	0.431	1.7356	-0.001	0.2337	0.0376
Base	124	109	CIM4 Min	-0.2334	0.2692	1.2462	-0.0079	-0.2337	-0.0376
Base	124	109	CIM5 Max	0.0026	0.9002	3.3636	0.0219	0.0021	0.0003
Base	124	109	CIM5 Min	-0.0026	-0.16	-0.3797	-0.0305	-0.0021	-0.0003
Base	124	109	CIM6 Max	0.3113	0.2667	1.1262	0.0019	0.3115	0.0504
Base	124	109	CIM6 Min	-0.3113	0.0977	0.476	-0.0073	-0.3115	-0.0504
Base	124	109	CIM7 Max	0.0034	0.9123	3.2966	0.0324	0.0026	0.0005
Base	124	109	CIM7 Min	-0.0034	-0.526	-1.6926	-0.0376	-0.0026	-0.0005
Base	125	106	PP	0.0001	-0.2384	0.9011	0.0061	5.231E-06	2.194E-06
Base	125	106	CA	6.415E-06	-0.0346	0.1724	-0.0009	5.727E-06	1.091E-06
Base	125	106	CV	9.521E-06	-0.0127	0.0743	-0.0007	-4.04E-06	-5.277E-07
Base	125	106	SX Max	0.5622	0.223	0.5994	0.0092	0.421	0.0753
Base	125	106	SY Max	0.1164	1.6209	4.613	0.0673	0.0764	0.014
Base	125	106	CIM1	0.0001	-0.2857	1.1476	0.0044	6.916E-06	2.756E-06
Base	125	106	CIM2 Max	0.5124	-0.0767	1.601	0.0132	0.3705	0.0663
Base	125	106	CIM2 Min	-0.5123	-0.4693	0.5461	-0.003	-0.3705	-0.0663
Base	125	106	CIM3 Max	0.1043	1.1534	5.1329	0.0643	0.0672	0.0123
Base	125	106	CIM3 Min	-0.1042	-1.6994	-2.9659	-0.0541	-0.0672	-0.0123
Base	125	106	CIM4 Max	0.3843	-0.1353	1.5246	0.0107	0.2779	0.0497
Base	125	106	CIM4 Min	-0.3842	-0.4297	0.7337	-0.0015	-0.2779	-0.0497
Base	125	106	CIM5 Max	0.0753	0.7573	4.1736	0.049	0.0504	0.0092
Base	125	106	CIM5 Min	-0.0751	-1.3523	-1.9153	-0.0395	-0.0504	-0.0092
Base	125	106	CIM6 Max	0.5124	0.0325	1.1716	0.0112	0.3705	0.0663
Base	125	106	CIM6 Min	-0.5123	-0.3601	0.1167	-0.0051	-0.3705	-0.0663
Base	125	106	CIM7 Max	0.1043	1.2626	4.7035	0.0623	0.0672	0.0123
Base	125	106	CIM7 Min	-0.1042	-1.5902	-3.4153	-0.0562	-0.0672	-0.0123
Base	133	112	PP	-0.0004	0.1559	0.6561	0.0009	0.0002	-1.464E-05
Base	133	112	CA	1.308E-05	-0.1233	0.0769	0.0194	0.0003	-3.499E-05
Base	133	112	CV	1.729E-05	-0.0616	0.0525	0.0101	0.0001	-1.714E-05
Base	133	112	SX Max	0.5057	0.3931	1.0032	0.0132	0.265	0.0524
Base	133	112	SY Max	0.3411	1.1778	3.6615	0.0511	0.1997	0.0383
Base	133	112	CIM1	-0.0004	-0.0293	0.9695	0.0303	0.0006	-0.0001
Base	133	112	CIM2 Max	0.4446	0.3765	1.6196	0.0319	0.2513	0.0461
Base	133	112	CIM2 Min	-0.4454	-0.3134	0.0542	0.0066	-0.2503	-0.0462

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	133	112	CIM3 Max	0.2996	1.069	4.1591	0.0652	0.1761	0.0319
Base	133	112	CIM3 Min	-0.3005	-1.0039	-2.2651	-0.0247	-0.1752	-0.032
Base	133	112	CIM4 Max	0.3334	0.2456	1.6365	0.0365	0.1656	0.0345
Base	133	112	CIM4 Min	-0.3341	-0.2733	0.3143	0.0191	-0.1676	-0.0347
Base	133	112	CIM5 Max	0.2247	0.7635	3.3929	0.0615	0.1323	0.0239
Base	133	112	CIM5 Min	-0.2255	-0.7912	-1.4402	-0.0059	-0.1312	-0.024
Base	133	112	CIM6 Max	0.4446	0.3655	1.445	0.0236	0.2511	0.0461
Base	133	112	CIM6 Min	-0.4452	-0.3264	-0.3206	0.0005	-0.2505	-0.0462
Base	133	112	CIM7 Max	0.2999	1.056	3.7643	0.0571	0.176	0.0319
Base	133	112	CIM7 Min	-0.3004	-1.0169	-2.6599	-0.0326	-0.1754	-0.032
Base	71	113	PP	0.0003	0.2146	0.6586	-0.0039	-0.0007	0.0001
Base	71	113	CA	0.0001	0.0403	0.1172	-0.0005	-4.034E-05	4.664E-06
Base	71	113	CV	4.695E-05	0.0259	0.0744	-0.0004	-3.458E-05	5.164E-06
Base	71	113	SX Max	0.1703	0.349	0.9611	0.0061	0.0506	0.0141
Base	71	113	SY Max	0.1147	1.1626	3.0851	0.0355	0.0363	0.01
Base	71	113	CIM1	0.0004	0.2606	0.8502	-0.0049	-0.0006	0.0001
Base	71	113	CIM2 Max	0.1502	0.562	1.6392	0.0009	0.0439	0.0126
Base	71	113	CIM2 Min	-0.1495	-0.0522	-0.0675	-0.0096	-0.0455	-0.0123
Base	71	113	CIM3 Max	0.1013	1.278	3.4907	0.0266	0.0312	0.009
Base	71	113	CIM3 Min	-0.1006	-0.7682	-1.939	-0.0357	-0.0327	-0.0087
Base	71	113	CIM4 Max	0.1126	0.5046	1.4792	-0.0007	0.0327	0.0095
Base	71	113	CIM4 Min	-0.112	0.0439	0.1641	-0.0066	-0.0343	-0.0092
Base	71	113	CIM5 Max	0.0761	1.0416	2.8678	0.0187	0.0232	0.0066
Base	71	113	CIM5 Min	-0.0753	-0.493	-1.2045	-0.0262	-0.0246	-0.0065
Base	71	113	CIM6 Max	0.15	0.4601	1.3269	0.0027	0.0442	0.0125
Base	71	113	CIM6 Min	-0.1496	-0.1542	-0.3978	-0.006	-0.0451	-0.0124
Base	71	113	CIM7 Max	0.1012	1.176	3.1604	0.0266	0.0315	0.0089
Base	71	113	CIM7 Min	-0.1006	-0.8702	-2.2494	-0.0339	-0.0324	-0.0087
Base	75	114	PP	0	-0.2279	0.6036	0.0052	0	0
Base	75	114	CA	0	-0.32	0.945	0.0146	3.903E-06	9.162E-07
Base	75	114	CV	2.76E-06	-0.1677	0.4945	0.0077	-3.633E-06	-8.613E-07
Base	75	114	SX Max	0.1745	0.0373	0.1262	0.0016	0.2264	0.054
Base	75	114	SY Max	0.0014	0.2795	0.9335	0.0126	0.0011	0.0003
Base	75	114	CIM1	2.617E-06	-0.7156	2.2434	0.0277	0	0
Base	75	114	CIM2 Max	0.1539	-0.5151	1.6599	0.0214	0.1992	0.0475
Base	75	114	CIM2 Min	-0.1539	-0.5607	1.6376	0.0156	-0.1992	-0.0475
Base	75	114	CIM3 Max	0.0012	-0.302	2.5706	0.0311	0.001	0.0002
Base	75	114	CIM3 Min	-0.0012	-0.7939	0.9271	0.0089	-0.001	-0.0002
Base	75	114	CIM4 Max	0.1154	-0.6491	2.2031	0.0269	0.1494	0.0356
Base	75	114	CIM4 Min	-0.1154	-0.6983	2.0364	0.0247	-0.1494	-0.0356
Base	75	114	CIM5 Max	0.0009	-0.4592	2.736	0.0341	0.0007	0.0002
Base	75	114	CIM5 Min	-0.0009	-0.6582	1.5035	0.0175	-0.0007	-0.0002
Base	75	114	CIM6 Max	0.1539	-0.2959	1.1604	0.0134	0.1992	0.0475
Base	75	114	CIM6 Min	-0.1539	-0.3616	0.9362	0.0106	-0.1992	-0.0475
Base	75	114	CIM7 Max	0.0012	-0.0626	1.671	0.0231	0.001	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	75	114	CIM7 Min	-0.0012	-0.5747	0.2276	0.0009	-0.001	-0.0002
Base	77	115	PP	9.2E-07	0.1194	0.5365	0.0023	0	0
Base	77	115	CA	1.339E-06	-0.0757	-0.0261	0.0126	4.16E-06	-9.872E-07
Base	77	115	CV	3.397E-06	-0.0392	-0.0109	0.0066	-3.519E-06	5.321E-07
Base	77	115	SX Max	0.1752	0.0373	0.1263	0.0016	0.2265	0.054
Base	77	115	SY Max	0.0015	0.2795	0.934	0.0126	0.0011	0.0003
Base	77	115	CIM1	5.656E-06	0.0045	0.5016	0.0215	7.772E-07	0
Base	77	115	CIM2 Max	0.1542	0.0765	0.6236	0.0163	0.1993	0.0475
Base	77	115	CIM2 Min	-0.1542	0.0106	0.4013	0.0135	-0.1993	-0.0475
Base	77	115	CIM3 Max	0.0013	0.2697	1.3344	0.026	0.001	0.0002
Base	77	115	CIM3 Min	-0.0013	-0.2023	-0.3095	0.0036	-0.001	-0.0002
Base	77	115	CIM4 Max	0.1156	0.0369	0.5876	0.0209	0.1495	0.0357
Base	77	115	CIM4 Min	-0.1156	-0.0103	0.421	0.0155	-0.1495	-0.0357
Base	77	115	CIM5 Max	0.001	0.1956	1.1207	0.0252	0.0007	0.0002
Base	77	115	CIM5 Min	-0.001	-0.1702	-0.1122	0.0116	-0.0007	-0.0002
Base	77	115	CIM6 Max	0.1542	0.059	0.4166	0.0104	0.1993	0.0475
Base	77	115	CIM6 Min	-0.1542	-0.0067	0.1963	0.0075	-0.1993	-0.0475
Base	77	115	CIM7 Max	0.0013	0.2722	1.1294	0.02	0.001	0.0002
Base	77	115	CIM7 Min	-0.0013	-0.2196	-0.5145	-0.0021	-0.001	-0.0002
Base	76	116	PP	0.2823	-0.2366	1.6976	0.0053	0.0124	0.0001
Base	76	116	CA	0.1276	-0.139	0.5943	-0.0031	0.0119	0.0001
Base	76	116	CV	0.0655	-0.0704	0.2962	-0.0016	0.0062	0.0001
Base	76	116	SX Max	0.5532	0.1234	2.6506	0.0203	0.0752	0.0026
Base	76	116	SY Max	0.1153	0.6642	3.1311	0.0772	0.0204	0.0027
Base	76	116	CIM1	0.4753	-0.4461	2.7904	0.0004	0.0305	0.0003
Base	76	116	CIM2 Max	1.187	-0.2672	4.6247	0.0201	0.0905	0.0025
Base	76	116	CIM2 Min	-0.3674	-0.4643	0.1596	-0.0157	-0.0419	-0.002
Base	76	116	CIM3 Max	0.5113	0.3648	5.2476	0.0701	0.0423	0.0026
Base	76	116	CIM3 Min	0.3083	-1.1362	-0.2632	-0.0656	0.0063	-0.0021
Base	76	116	CIM4 Max	1.0416	-0.3471	4.4652	0.0142	0.0766	0.002
Base	76	116	CIM4 Min	-0.124	-0.5089	0.9664	-0.0126	-0.0207	-0.0014
Base	76	116	CIM5 Max	0.535	0.1416	4.7524	0.0516	0.0424	0.002
Base	76	116	CIM5 Min	0.3526	-0.9959	0.6493	-0.0501	0.0154	-0.0015
Base	76	116	CIM6 Max	1.0231	-0.1169	3.8278	0.0192	0.0606	0.0024
Base	76	116	CIM6 Min	-0.5313	-0.334	-0.6372	-0.0166	-0.0516	-0.0021
Base	76	116	CIM7 Max	0.3474	0.535	4.2507	0.0693	0.0326	0.0025
Base	76	116	CIM7 Min	0.1444	-0.9659	-1.2601	-0.0666	-0.0034	-0.0022
Base	61	117	PP	-0.2605	0.0302	1.7949	-0.0022	-0.0115	-0.0002
Base	61	117	CA	-0.1155	0.0162	0.4066	0.0009	-0.0075	-3.262E-05
Base	61	117	CV	-0.064	0.0092	0.2222	0.0004	-0.004	-2.105E-05
Base	61	117	SX Max	0.9317	0.0957	2.6252	0.0154	0.0642	0.0005
Base	61	117	SY Max	0.0664	0.1652	1.3004	0.0606	0.0055	0.0019
Base	61	117	CIM1	-0.463	0.0576	2.4237	-0.001	-0.023	-0.0002
Base	61	117	CIM2 Max	0.4209	0.1326	4.6577	0.0122	0.0375	0.0003
Base	61	117	CIM2 Min	-1.2169	-0.0359	-0.2647	-0.0149	-0.0754	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	61	117	CIM3 Max	-0.3366	0.2113	3.3459	0.052	-0.0141	0.0015
Base	61	117	CIM3 Min	-0.4592	-0.1146	1.0571	-0.0547	-0.0236	-0.0019
Base	61	117	CIM4 Max	0.166	0.1165	4.2326	0.0091	0.0203	0.0001
Base	61	117	CIM4 Min	-1.0619	-0.0079	0.5035	-0.0113	-0.0644	-0.0005
Base	61	117	CIM5 Max	-0.4016	0.1775	3.2265	0.0389	-0.0164	0.0011
Base	61	117	CIM5 Min	-0.4921	-0.0669	1.5099	-0.0411	-0.0257	-0.0015
Base	61	117	CIM6 Max	0.5605	0.1132	3.6071	0.0128	0.0451	0.0003
Base	61	117	CIM6 Min	-1.0693	-0.0552	-1.1653	-0.0144	-0.0679	-0.0006
Base	61	117	CIM7 Max	-0.1792	0.192	2.4653	0.0525	-0.0065	0.0016
Base	61	117	CIM7 Min	-0.2896	-0.134	0.1765	-0.0542	-0.0163	-0.0018
Base	62	116	PP	0.003	0.1736	0.856	-0.0015	0.0046	-0.0007
Base	62	116	CA	0.0119	-0.0656	0.0569	0.0112	0.0157	-0.0025
Base	62	116	CV	0.0063	-0.0314	0.0413	0.0056	0.0083	-0.0013
Base	62	116	SX Max	0.4537	0.3235	0.8466	0.0122	0.2714	0.05
Base	62	116	SY Max	0.3336	1.1764	3.6472	0.0528	0.1922	0.0351
Base	62	116	CIM1	0.0211	0.0767	0.9543	0.0155	0.0266	-0.0046
Base	62	116	CIM2 Max	0.4405	0.3827	1.6589	0.0205	0.2591	0.0407
Base	62	116	CIM2 Min	-0.4106	-0.1766	0.166	-0.001	-0.2165	-0.0472
Base	62	116	CIM3 Max	0.3054	1.1451	4.1224	0.0562	0.1894	0.0277
Base	62	116	CIM3 Min	-0.2767	-0.929	-2.2966	-0.0368	-0.1466	-0.0342
Base	62	116	CIM4 Max	0.3366	0.296	1.5041	0.0221	0.2056	0.0267
Base	62	116	CIM4 Min	-0.2996	-0.1289	0.3637	0.006	-0.1526	-0.0372
Base	62	116	CIM5 Max	0.2397	0.6623	3.3511	0.0489	0.1533	0.0169
Base	62	116	CIM5 Min	-0.2006	-0.6932	-1.4632	-0.0206	-0.1003	-0.0274
Base	62	116	CIM6 Max	0.4345	0.3495	1.2947	0.0166	0.251	0.042
Base	62	116	CIM6 Min	-0.4167	-0.2196	-0.1992	-0.0049	-0.2267	-0.0459
Base	62	116	CIM7 Max	0.3025	1.1016	3.7573	0.0523	0.1613	0.029
Base	62	116	CIM7 Min	-0.2846	-0.9722	-2.6617	-0.0406	-0.1569	-0.0329
Base	90	141	PP	-0.0104	-0.1521	0.5644	0.0009	-0.0044	-0.0011
Base	90	141	CA	-0.0391	-0.0206	0.0895	-0.0023	-0.0133	-0.0036
Base	90	141	CV	-0.0206	-0.0099	0.0435	-0.0012	-0.007	-0.0019
Base	90	141	SX Max	0.136	0.3221	0.919	0.0066	0.0429	0.0116
Base	90	141	SY Max	0.174	0.5867	1.7661	0.0194	0.0555	0.0153
Base	90	141	CIM1	-0.0701	-0.1626	0.6974	-0.0027	-0.0247	-0.0067
Base	90	141	CIM2 Max	0.0702	0.1106	1.4626	0.0044	0.0201	0.0056
Base	90	141	CIM2 Min	-0.1693	-0.4562	-0.1549	-0.0072	-0.0554	-0.0151
Base	90	141	CIM3 Max	0.1035	0.3454	2.2097	0.0157	0.0311	0.0067
Base	90	141	CIM3 Min	-0.2026	-0.6907	-0.9021	-0.0165	-0.0665	-0.0182
Base	90	141	CIM4 Max	0.0246	0.0325	1.293	0.002	0.0054	0.0016
Base	90	141	CIM4 Min	-0.1546	-0.3927	0.0799	-0.0067	-0.0512	-0.014
Base	90	141	CIM5 Max	0.0496	0.2064	1.8534	0.0105	0.0137	0.0039
Base	90	141	CIM5 Min	-0.1796	-0.5686	-0.4604	-0.0152	-0.0596	-0.0163
Base	90	141	CIM6 Max	0.09	0.1799	1.2011	0.005	0.0271	0.0075
Base	90	141	CIM6 Min	-0.1494	-0.3571	-0.4165	-0.0067	-0.0464	-0.0132
Base	90	141	CIM7 Max	0.1234	0.4144	1.9462	0.0162	0.0362	0.0106

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	90	141	CIM7 Min	-0.1626	-0.6216	-1.1636	-0.0179	-0.0594	-0.0163
Base	100	140	PP	0.0043	0.1667	0.3826	-0.0013	-0.0006	0.0002
Base	100	140	CA	0.0276	0.0467	0.0699	-0.0003	0.0021	-0.001
Base	100	140	CV	0.0146	0.0256	0.0504	-0.0001	0.0011	-0.0005
Base	100	140	SX Max	0.0596	0.2563	0.5769	0.0027	0.0073	0.003
Base	100	140	SY Max	0.1389	0.3571	0.8396	0.0066	0.0129	0.0059
Base	100	140	CIM1	0.0467	0.2392	0.5329	-0.0017	0.0026	-0.0014
Base	100	140	CIM2 Max	0.0647	0.4389	0.9919	0.0006	0.0079	0.0016
Base	100	140	CIM2 Min	-0.0205	-0.0122	-0.0269	-0.0039	-0.0049	-0.0034
Base	100	140	CIM3 Max	0.1544	0.5277	1.2213	0.0043	0.0126	0.0043
Base	100	140	CIM3 Min	-0.0901	-0.1009	-0.2563	-0.0074	-0.0096	-0.006
Base	100	140	CIM4 Max	0.0625	0.4019	0.9023	0.0001	0.0071	0.0007
Base	100	140	CIM4 Min	0.0036	0.0636	0.1362	-0.0034	-0.0025	-0.0032
Base	100	140	CIM5 Max	0.1347	0.4665	1.0744	0.0027	0.0106	0.0026
Base	100	140	CIM5 Min	-0.0466	-0.0029	-0.0336	-0.006	-0.0062	-0.0051
Base	100	140	CIM6 Max	0.0719	0.3536	0.7969	0.0015	0.0073	0.0021
Base	100	140	CIM6 Min	-0.0334	-0.0975	-0.2199	-0.0033	-0.0055	-0.0031
Base	100	140	CIM7 Max	0.1415	0.4423	1.0263	0.0049	0.0122	0.0047
Base	100	140	CIM7 Min	-0.103	-0.1662	-0.4493	-0.0067	-0.0104	-0.0057
Base	101	119	PP	0.2625	-0.032	2.1165	0.0036	0.0104	-4.774E-05
Base	101	119	CA	0.0431	-0.0941	0.6145	0.0114	0.0011	-0.0001
Base	101	119	CV	0.0211	-0.0456	0.3179	0.0056	0.0005	-0.0001
Base	101	119	SX Max	0.9379	0.0591	2.7612	0.0059	0.0736	0.0003
Base	101	119	SY Max	0.0595	0.4906	0.3513	0.0602	0.0043	0.0017
Base	101	119	CIM1	0.3267	-0.1749	3.0469	0.021	0.012	-0.0002
Base	101	119	CIM2 Max	1.1309	-0.0741	5.1609	0.0204	0.0765	0.0001
Base	101	119	CIM2 Min	-0.5197	-0.1761	0.3011	0.01	-0.0534	-0.0004
Base	101	119	CIM3 Max	0.3579	0.3056	3.0401	0.0656	0.0153	0.0013
Base	101	119	CIM3 Min	0.2532	-0.556	2.4219	-0.0554	0.0076	-0.0017
Base	101	119	CIM4 Max	0.9404	-0.1237	4.7916	0.0235	0.0606	-4.104E-05
Base	101	119	CIM4 Min	-0.2976	-0.2016	1.147	0.0156	-0.0366	-0.0004
Base	101	119	CIM5 Max	0.3607	0.1613	3.2012	0.0725	0.0147	0.0009
Base	101	119	CIM5 Min	0.2622	-0.4666	2.7376	-0.0334	0.0091	-0.0014
Base	101	119	CIM6 Max	1.0067	-0.0237	4.0665	0.0143	0.0719	0.0001
Base	101	119	CIM6 Min	-0.642	-0.1276	-0.7913	0.0039	-0.056	-0.0003
Base	101	119	CIM7 Max	0.2357	0.3563	1.9477	0.0797	0.0107	0.0014
Base	101	119	CIM7 Min	0.131	-0.5075	1.3295	-0.0615	0.0032	-0.0016
Base	102	120	PP	-0.2594	-0.0017	1.9466	0.0001	-0.0103	0
Base	102	120	CA	-0.0336	-0.0077	0.2669	0.0006	-0.0013	8.356E-06
Base	102	120	CV	-0.0193	-0.0035	0.1569	0.0003	-0.0006	0
Base	102	120	SX Max	0.9347	0.0415	2.7175	0.0049	0.0706	0.0002
Base	102	120	SY Max	0.0596	0.4177	0.1649	0.0749	0.0044	0.0017
Base	102	120	CIM1	-0.3125	-0.0129	2.3923	0.0012	-0.0124	6.19E-06
Base	102	120	CIM2 Max	0.5293	0.0271	4.6266	0.0052	0.0506	0.0002
Base	102	120	CIM2 Min	-1.1156	-0.0459	-0.156	-0.0034	-0.0737	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	102	120	CIM3 Max	-0.2406	0.3562	2.3961	0.0669	-0.0077	0.0015
Base	102	120	CIM3 Min	-0.3456	-0.377	2.0727	-0.065	-0.0154	-0.0015
Base	102	120	CIM4 Max	0.3092	0.0153	4.1467	0.0043	0.0344	0.0001
Base	102	120	CIM4 Min	-0.9246	-0.0394	0.5596	-0.0021	-0.0586	-0.0001
Base	102	120	CIM5 Max	-0.2663	0.2637	2.4751	0.0506	-0.0093	0.0011
Base	102	120	CIM5 Min	-0.3471	-0.2677	2.2311	-0.0463	-0.0151	-0.0011
Base	102	120	CIM6 Max	0.6466	0.0305	3.7327	0.0046	0.0552	0.0002
Base	102	120	CIM6 Min	-0.9865	-0.0421	-1.0501	-0.0037	-0.0691	-0.0002
Base	102	120	CIM7 Max	-0.1233	0.362	1.504	0.0665	-0.0031	0.0015
Base	102	120	CIM7 Min	-0.2265	-0.3733	1.1766	-0.0654	-0.0106	-0.0015
Base	109	121	PP	0.2435	0.242	1.7312	-0.0113	0.0077	0.0002
Base	109	121	CA	-0.0061	0.3454	1.0683	-0.0316	-0.0025	0.0014
Base	109	121	CV	-0.0061	0.1619	0.5564	-0.0169	-0.0015	0.0007
Base	109	121	SX Max	1.5927	0.2194	4.4276	0.0176	0.0936	0.0043
Base	109	121	SY Max	0.1291	0.2636	0.9553	0.0562	0.015	0.0021
Base	109	121	CIM1	0.2313	0.7693	3.3559	-0.06	0.0037	0.0023
Base	109	121	CIM2 Max	1.639	0.7605	6.6856	-0.0276	0.0676	0.0053
Base	109	121	CIM2 Min	-1.1641	0.3944	-1.0966	-0.0566	-0.0771	-0.0022
Base	109	121	CIM3 Max	0.351	0.6194	3.6402	0.0064	0.0164	0.0034
Base	109	121	CIM3 Min	0.1239	0.3555	1.9566	-0.0926	-0.008	-0.0003
Base	109	121	CIM4 Max	1.264	0.6667	6.139	-0.0442	0.0659	0.0049
Base	109	121	CIM4 Min	-0.8163	0.579	0.2845	-0.0674	-0.0577	-0.0007
Base	109	121	CIM5 Max	0.316	0.6976	3.5473	-0.0166	0.014	0.0035
Base	109	121	CIM5 Min	0.1476	0.5499	2.5663	-0.0929	-0.0056	0.0007
Base	109	121	CIM6 Max	1.544	0.5456	5.576	-0.0104	0.0655	0.0047
Base	109	121	CIM6 Min	-1.2591	0.1594	-2.2166	-0.0413	-0.0792	-0.0029
Base	109	121	CIM7 Max	0.256	0.5845	2.5204	0.0236	0.0163	0.0026
Base	109	121	CIM7 Min	0.0269	0.1205	0.839	-0.0754	-0.0101	-0.0009
Base	111	122	PP	-0.2522	0.2625	1.6353	-0.0095	-0.009	-1.165E-05
Base	111	122	CA	-0.0201	0.0476	0.1746	-0.0023	-0.0006	-0.0001
Base	111	122	CV	-0.0137	0.0307	0.1161	-0.0015	-0.0006	-4.164E-05
Base	111	122	SX Max	1.6075	0.3729	3.6033	0.0271	0.101	0.0047
Base	111	122	SY Max	0.1604	1.7657	5.1565	0.119	0.006	0.0043
Base	111	122	CIM1	-0.2859	0.3408	2.126	-0.0136	-0.0104	-0.0001
Base	111	122	CIM2 Max	1.1423	0.6362	5.1606	0.0118	0.0791	0.004
Base	111	122	CIM2 Min	-1.6866	-0.0182	-1.1611	-0.0359	-0.0957	-0.0042
Base	111	122	CIM3 Max	-0.1311	1.6639	6.5493	0.0926	-0.0026	0.0037
Base	111	122	CIM3 Min	-0.4134	-1.2436	-2.5296	-0.1166	-0.0166	-0.0039
Base	111	122	CIM4 Max	0.7764	0.5792	4.4752	0.0046	0.0564	0.003
Base	111	122	CIM4 Min	-1.3434	0.0569	-0.2612	-0.0311	-0.0769	-0.0032
Base	111	122	CIM5 Max	-0.1767	1.4965	5.5015	0.0653	-0.005	0.0027
Base	111	122	CIM5 Min	-0.3864	-0.8323	-1.3076	-0.0916	-0.0155	-0.003
Base	111	122	CIM6 Max	1.2512	0.5142	4.3769	0.0166	0.063	0.004
Base	111	122	CIM6 Min	-1.5779	-0.1422	-1.965	-0.0311	-0.0946	-0.0041
Base	111	122	CIM7 Max	-0.0222	1.7399	5.7454	0.0975	0.0011	0.0036

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	111	122	CIM7 Min	-0.3045	-1.3676	-3.3335	-0.1119	-0.0129	-0.0039
Base	120	123	PP	-0.0002	-0.195	0.6496	0.0026	0.0006	0.0001
Base	120	123	CA	-0.0002	-0.0641	0.2659	0.0015	0.0001	1.47E-05
Base	120	123	CV	-0.0001	-0.0417	0.1317	0.0007	4.802E-05	6.171E-06
Base	120	123	SX Max	0.1702	0.2479	0.7369	0.0041	0.0466	0.0137
Base	120	123	SY Max	0.1493	0.7197	2.146	0.0215	0.0477	0.0132
Base	120	123	CIM1	-0.0005	-0.3207	1.0474	0.0051	0.001	0.0002
Base	120	123	CIM2 Max	0.1494	-0.0609	1.5659	0.006	0.0436	0.0122
Base	120	123	CIM2 Min	-0.1502	-0.4972	0.2655	0.0007	-0.0416	-0.0119
Base	120	123	CIM3 Max	0.1309	0.3544	2.6041	0.0233	0.0429	0.0117
Base	120	123	CIM3 Min	-0.1317	-0.9124	-0.9728	-0.0146	-0.0411	-0.0114
Base	120	123	CIM4 Max	0.1119	-0.1466	1.5021	0.0076	0.033	0.0092
Base	120	123	CIM4 Min	-0.1126	-0.4739	0.5266	0.0021	-0.0311	-0.0089
Base	120	123	CIM5 Max	0.096	0.1648	2.4306	0.0191	0.0325	0.0086
Base	120	123	CIM5 Min	-0.099	-0.7653	-0.4019	-0.0093	-0.0306	-0.0085
Base	120	123	CIM6 Max	0.1495	0.0507	1.1996	0.0062	0.0433	0.0122
Base	120	123	CIM6 Min	-0.15	-0.3656	-0.1008	-0.0011	-0.0422	-0.012
Base	120	123	CIM7 Max	0.1311	0.466	2.4379	0.0216	0.0426	0.0117
Base	120	123	CIM7 Min	-0.1316	-0.6006	-1.3391	-0.0164	-0.0415	-0.0115
Base	121	124	PP	-6.003E-07	-0.1766	0.5966	0.0024	-0.0009	-0.0002
Base	121	124	CA	-0.0006	-0.031	0.0955	0.0005	-0.0003	-0.0001
Base	121	124	CV	-0.0003	-0.0147	0.0449	0.0002	-0.0002	-4.447E-05
Base	121	124	SX Max	0.1174	0.2295	0.6711	0.0037	0.0344	0.0096
Base	121	124	SY Max	0.1461	0.661	1.9793	0.0204	0.0472	0.013
Base	121	124	CIM1	-0.001	-0.2222	0.7372	0.0031	-0.0014	-0.0003
Base	121	124	CIM2 Max	0.1027	-0.0053	1.2629	0.0062	0.0291	0.0082
Base	121	124	CIM2 Min	-0.104	-0.4097	0.1017	-0.0003	-0.0315	-0.0087
Base	121	124	CIM3 Max	0.1297	0.3742	2.4341	0.0209	0.0403	0.0112
Base	121	124	CIM3 Min	-0.131	-0.7692	-1.0495	-0.015	-0.0426	-0.0117
Base	121	124	CIM4 Max	0.0766	-0.0669	1.1669	0.0055	0.0214	0.0061
Base	121	124	CIM4 Min	-0.0764	-0.3702	0.263	0.0006	-0.0241	-0.0066
Base	121	124	CIM5 Max	0.0969	0.2177	2.0323	0.0166	0.0296	0.0083
Base	121	124	CIM5 Min	-0.0966	-0.6546	-0.5604	-0.0104	-0.0325	-0.0089
Base	121	124	CIM6 Max	0.103	0.0777	1.0059	0.005	0.0295	0.0083
Base	121	124	CIM6 Min	-0.1037	-0.3267	-0.1752	-0.0015	-0.031	-0.0086
Base	121	124	CIM7 Max	0.1299	0.4572	2.1571	0.0197	0.0406	0.0113
Base	121	124	CIM7 Min	-0.1307	-0.7062	-1.3264	-0.0162	-0.0423	-0.0116
Base	135	126	PP	-7.078E-07	0.2416	0.9463	-0.0067	-1.553E-06	0
Base	135	126	CA	-3.294E-06	0.3104	0.5606	-0.0221	-4.162E-06	5.627E-07
Base	135	126	CV	1.018E-06	0.1644	0.4576	-0.0117	-9.664E-06	1.516E-06
Base	135	126	SX Max	0.2551	0.0511	0.1575	0.0026	0.2945	0.0545
Base	135	126	SY Max	0.0032	0.3856	1.4016	0.0211	0.0026	0.0005
Base	135	126	CIM1	-2.954E-06	0.7164	2.2664	-0.0426	-1.571E-05	3.046E-06
Base	135	126	CIM2 Max	0.2245	0.5969	1.9741	-0.0264	0.2592	0.0479
Base	135	126	CIM2 Min	-0.2245	0.507	1.6436	-0.0333	-0.2592	-0.0479

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	135	126	CIM3 Max	0.0026	0.6912	3.0422	-0.0123	0.0025	0.0005
Base	135	126	CIM3 Min	-0.0026	0.2126	0.5754	-0.0494	-0.0025	-0.0005
Base	135	126	CIM4 Max	0.1664	0.709	2.276	-0.0376	0.1944	0.0359
Base	135	126	CIM4 Min	-0.1664	0.6415	2.0261	-0.0414	-0.1944	-0.0359
Base	135	126	CIM5 Max	0.0021	0.9297	3.0771	-0.0257	0.0019	0.0003
Base	135	126	CIM5 Min	-0.0021	0.4206	1.227	-0.0536	-0.0019	-0.0003
Base	135	126	CIM6 Max	0.2245	0.3761	1.2505	-0.0161	0.2592	0.0479
Base	135	126	CIM6 Min	-0.2245	0.2662	0.9201	-0.0209	-0.2592	-0.0479
Base	135	126	CIM7 Max	0.0026	0.6705	2.3167	0.0001	0.0025	0.0005
Base	135	126	CIM7 Min	-0.0026	-0.0082	-0.1451	-0.0371	-0.0025	-0.0005
Base	136	125	PP	2.114E-06	-0.1333	0.7394	-0.0023	-1.191E-06	0
Base	136	125	CA	7.925E-06	0.0795	0.116	-0.0179	-1.414E-06	0
Base	136	125	CV	7.053E-06	0.0429	0.0574	-0.0095	-5.156E-06	-1.432E-06
Base	136	125	SX Max	0.2556	0.0511	0.1676	0.0026	0.2946	0.0545
Base	136	125	SY Max	0.0033	0.3557	1.4019	0.0211	0.0029	0.0005
Base	136	125	CIM1	1.709E-05	-0.0106	0.9146	-0.0296	-1.079E-05	-1.77E-06
Base	136	125	CIM2 Max	0.225	-0.0067	1.0226	-0.0179	0.2593	0.048
Base	136	125	CIM2 Min	-0.225	-0.0967	0.6921	-0.0227	-0.2593	-0.048
Base	136	125	CIM3 Max	0.0029	0.2657	2.0911	-0.0017	0.0025	0.0005
Base	136	125	CIM3 Min	-0.0029	-0.3931	-0.3763	-0.0368	-0.0025	-0.0005
Base	136	125	CIM4 Max	0.1667	0.0122	1.0244	-0.0256	0.1944	0.036
Base	136	125	CIM4 Min	-0.1667	-0.0552	0.7765	-0.0292	-0.1945	-0.036
Base	136	125	CIM5 Max	0.0022	0.233	1.6257	-0.0135	0.0019	0.0003
Base	136	125	CIM5 Min	-0.0022	-0.276	-0.0246	-0.0413	-0.0019	-0.0004
Base	136	125	CIM6 Max	0.225	0.0127	0.6797	-0.0097	0.2593	0.048
Base	136	125	CIM6 Min	-0.225	-0.0772	0.3492	-0.0146	-0.2593	-0.048
Base	136	125	CIM7 Max	0.0029	0.3072	1.7461	0.0064	0.0025	0.0005
Base	136	125	CIM7 Min	-0.0029	-0.3716	-0.7193	-0.0307	-0.0025	-0.0005
Base	141	130	PP	-0.0004	0.1804	0.7121	-0.001	0.0006	-0.0001
Base	141	130	CA	-3.162E-05	0.0063	0.1961	0.0072	0.0002	-2.394E-05
Base	141	130	CV	-7.486E-06	0.0063	0.111	0.0037	0.0001	-1.154E-05
Base	141	130	SX Max	0.1245	0.2436	0.7383	0.0053	0.0423	0.0104
Base	141	130	SY Max	0.1477	0.7621	2.3796	0.0276	0.0557	0.0135
Base	141	130	CIM1	-0.0004	0.1951	1.0213	0.0099	0.001	-0.0001
Base	141	130	CIM2 Max	0.1092	0.4031	1.56	0.0106	0.0352	0.009
Base	141	130	CIM2 Min	-0.11	-0.0256	0.2606	0.0015	-0.0363	-0.0093
Base	141	130	CIM3 Max	0.1295	0.6593	3.0045	0.0304	0.0499	0.0117
Base	141	130	CIM3 Min	-0.1303	-0.4619	-1.1639	-0.0161	-0.048	-0.012
Base	141	130	CIM4 Max	0.0616	0.3542	1.4506	0.0125	0.0269	0.0067
Base	141	130	CIM4 Min	-0.0626	0.0327	0.5063	0.0055	-0.0269	-0.007
Base	141	130	CIM5 Max	0.0971	0.6964	2.5642	0.0271	0.0377	0.0086
Base	141	130	CIM5 Min	-0.0979	-0.3095	-0.5771	-0.0092	-0.0357	-0.009
Base	141	130	CIM6 Max	0.1093	0.3276	1.1959	0.0084	0.0376	0.0091
Base	141	130	CIM6 Min	-0.1096	-0.1011	-0.1036	-0.001	-0.0367	-0.0092
Base	141	130	CIM7 Max	0.1297	0.7639	2.6404	0.026	0.0495	0.0116

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	141	130	CIM7 Min	-0.1302	-0.5574	-1.546	-0.0205	-0.0484	-0.0119
Base	143	129	PP	0.0009	-0.052	0.3636	-0.0047	0.0012	0.0002
Base	143	129	CA	0.0044	0.2623	-0.5456	-0.0197	0.0016	0.0004
Base	143	129	CV	0.0023	0.1512	-0.2955	-0.0104	0.0008	0.0002
Base	143	129	SX Max	0.1383	0.5151	1.4705	0.0096	0.0454	0.0124
Base	143	129	SY Max	0.2167	0.6306	1.6866	0.0211	0.0693	0.0191
Base	143	129	CIM1	0.0076	0.3616	-0.4777	-0.0349	0.0036	0.0009
Base	143	129	CIM2 Max	0.1269	0.6837	1.1116	-0.016	0.0426	0.0116
Base	143	129	CIM2 Min	-0.1164	-0.2229	-1.4763	-0.0329	-0.0372	-0.0102
Base	143	129	CIM3 Max	0.196	0.7853	1.478	-0.0059	0.0636	0.0175
Base	143	129	CIM3 Min	-0.1654	-0.3245	-1.6425	-0.043	-0.0562	-0.0161
Base	143	129	CIM4 Max	0.0963	0.6637	0.5667	-0.026	0.0334	0.009
Base	143	129	CIM4 Min	-0.0842	0.0036	-1.3744	-0.0366	-0.0266	-0.0073
Base	143	129	CIM5 Max	0.15	0.7599	0.8413	-0.0164	0.0492	0.0135
Base	143	129	CIM5 Min	-0.136	-0.0724	-1.649	-0.0462	-0.0423	-0.0116
Base	143	129	CIM6 Max	0.1246	0.5915	1.1647	-0.0062	0.0417	0.0113
Base	143	129	CIM6 Min	-0.1165	-0.315	-1.4034	-0.0231	-0.0383	-0.0105
Base	143	129	CIM7 Max	0.1939	0.6931	1.5509	0.0039	0.0627	0.0172
Base	143	129	CIM7 Min	-0.1676	-0.4167	-1.7696	-0.0333	-0.0593	-0.0164
Base	147	131	PP	0.0004	0.1776	0.6042	-0.0023	-0.0006	0.0001
Base	147	131	CA	0.0007	0.0262	0.0996	-0.0001	0.0001	-4.206E-05
Base	147	131	CV	0.0004	0.0173	0.0605	-0.0001	0.0001	-2.051E-05
Base	147	131	SX Max	0.1062	0.2506	0.7425	0.0041	0.0313	0.0066
Base	147	131	SY Max	0.1531	0.6571	2.0567	0.0206	0.0469	0.0135
Base	147	131	CIM1	0.0015	0.2232	0.7645	-0.0025	-0.0006	0.0001
Base	147	131	CIM2 Max	0.0946	0.4264	1.3574	0.0012	0.0269	0.0076
Base	147	131	CIM2 Min	-0.0923	-0.0146	0.0505	-0.006	-0.0262	-0.0076
Base	147	131	CIM3 Max	0.1359	0.6106	2.5139	0.0159	0.0424	0.0119
Base	147	131	CIM3 Min	-0.1336	-0.3987	-1.1059	-0.0207	-0.0437	-0.0116
Base	147	131	CIM4 Max	0.0715	0.3543	1.2394	0.0002	0.0201	0.0059
Base	147	131	CIM4 Min	-0.0657	0.0535	0.2593	-0.0052	-0.0213	-0.0057
Base	147	131	CIM5 Max	0.1025	0.6724	2.1066	0.0113	0.0317	0.009
Base	147	131	CIM5 Min	-0.0996	-0.2346	-0.6051	-0.0162	-0.0329	-0.0086
Base	147	131	CIM6 Max	0.0942	0.3441	1.0756	0.0022	0.0272	0.0076
Base	147	131	CIM6 Min	-0.0926	-0.0969	-0.231	-0.005	-0.026	-0.0077
Base	147	131	CIM7 Max	0.1354	0.7252	2.2323	0.0169	0.0427	0.0119
Base	147	131	CIM7 Min	-0.1341	-0.4611	-1.3675	-0.0195	-0.0434	-0.0116
Base	148	139	PP	-2.699E-05	-0.2575	0.9643	0.006	-6.991E-06	-1.5E-06
Base	148	139	CA	-5.506E-06	-0.046	0.1651	0.0024	4.74E-06	0
Base	148	139	CV	1.65E-06	-0.0177	0.0769	0.001	-5.644E-06	-1.005E-06
Base	148	139	SX Max	0.632	0.2552	0.6619	0.0112	0.4156	0.0703
Base	148	139	SY Max	0.026	1.6106	5.0244	0.0795	0.0157	0.0027
Base	148	139	CIM1	-3.265E-05	-0.3211	1.2463	0.0114	-7.695E-06	-2.117E-06
Base	148	139	CIM2 Max	0.5562	-0.0789	1.7695	0.0203	0.3656	0.0619
Base	148	139	CIM2 Min	-0.5562	-0.526	0.5693	0.0006	-0.3656	-0.0619

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	148	139	CIM3 Max	0.0246	1.2898	5.5909	0.0604	0.0136	0.0024
Base	148	139	CIM3 Min	-0.0246	-1.8967	-3.2521	-0.0595	-0.0136	-0.0024
Base	148	139	CIM4 Max	0.4171	-0.1463	1.6767	0.0186	0.2743	0.0464
Base	148	139	CIM4 Min	-0.4172	-0.4651	0.7765	0.0036	-0.2743	-0.0464
Base	148	139	CIM5 Max	0.0164	0.6763	4.5447	0.0636	0.0103	0.0016
Base	148	139	CIM5 Min	-0.0165	-1.5117	-2.0675	-0.0413	-0.0104	-0.0016
Base	148	139	CIM6 Max	0.5562	0.0425	1.3016	0.0162	0.3656	0.0619
Base	148	139	CIM6 Min	-0.5562	-0.4066	0.1015	-0.0036	-0.3656	-0.0619
Base	148	139	CIM7 Max	0.0246	1.4112	5.1231	0.0762	0.0136	0.0024
Base	148	139	CIM7 Min	-0.0246	-1.7753	-3.7199	-0.0637	-0.0136	-0.0024
Base	150	132	PP	0.1909	0.1404	2.3646	-0.0074	0.0063	0.0002
Base	150	132	CA	0.0034	0.053	0.1792	-0.0043	-0.0003	0.0001
Base	150	132	CV	0.0016	0.0526	0.0997	-0.0029	-0.0002	0.0001
Base	150	132	SX Max	1.1264	0.6844	2.0935	0.0374	0.1051	0.0006
Base	150	132	SY Max	0.4135	2.9953	2.304	0.1977	0.0229	0.0043
Base	150	132	CIM1	0.1956	0.2763	2.6634	-0.0146	0.0058	0.0003
Base	150	132	CIM2 Max	1.1672	0.6257	4.406	0.0212	0.0964	0.001
Base	150	132	CIM2 Min	-0.7967	-0.3786	0.7215	-0.0446	-0.0665	-0.0004
Base	150	132	CIM3 Max	0.5561	2.6593	4.5913	0.1623	0.0262	0.004
Base	150	132	CIM3 Min	-0.1696	-2.4124	0.5362	-0.1656	-0.0142	-0.0035
Base	150	132	CIM4 Max	0.9401	0.7147	4.0202	0.0108	0.0752	0.0006
Base	150	132	CIM4 Min	-0.5493	-0.1686	1.2566	-0.0365	-0.0635	-0.0002
Base	150	132	CIM5 Max	0.4663	2.24	4.1592	0.1166	0.0209	0.0031
Base	150	132	CIM5 Min	-0.0775	-1.7136	1.1176	-0.1443	-0.0093	-0.0025
Base	150	132	CIM6 Max	1.1095	0.7363	3.3605	0.0259	0.096	0.0009
Base	150	132	CIM6 Min	-0.8764	-0.4662	-0.304	-0.0399	-0.0669	-0.0005
Base	150	132	CIM7 Max	0.4604	2.7699	3.5656	0.1669	0.0236	0.0039
Base	150	132	CIM7 Min	-0.2473	-2.5016	-0.4693	-0.161	-0.0166	-0.0036
Base	151	133	PP	-0.1963	0.2465	1.7366	-0.0069	-0.0056	-0.0001
Base	151	133	CA	-0.0166	0.0273	0.1249	-0.0012	-0.0006	-1.894E-05
Base	151	133	CV	-0.0122	0.0197	0.0865	-0.0009	-0.0005	-1.667E-05
Base	151	133	SX Max	1.2546	0.1743	3.9504	0.0139	0.0851	0.0039
Base	151	133	SY Max	0.1054	1.5392	4.5355	0.097	0.0103	0.0039
Base	151	133	CIM1	-0.2274	0.2935	1.9522	-0.011	-0.0071	-0.0001
Base	151	133	CIM2 Max	0.9153	0.4272	5.34	0.0022	0.071	0.0034
Base	151	133	CIM2 Min	-1.3456	0.1204	-1.6127	-0.0223	-0.0841	-0.0036
Base	151	133	CIM3 Max	-0.1224	1.6263	5.6549	0.0753	0.0024	0.0033
Base	151	133	CIM3 Min	-0.3079	-1.0507	-2.1276	-0.0954	-0.0156	-0.0035
Base	151	133	CIM4 Max	0.6235	0.4037	4.5373	-0.0016	0.0512	0.0025
Base	151	133	CIM4 Min	-1.0722	0.1736	-0.6772	-0.0199	-0.0651	-0.0027
Base	151	133	CIM5 Max	-0.1546	1.3045	4.9235	0.0533	-0.0002	0.0024
Base	151	133	CIM5 Min	-0.2939	-0.7273	-1.0634	-0.0746	-0.0137	-0.0027
Base	151	133	CIM6 Max	1.0014	0.3177	4.5946	0.0062	0.0736	0.0034
Base	151	133	CIM6 Min	-1.2595	0.0109	-2.3562	-0.0163	-0.0615	-0.0035
Base	151	133	CIM7 Max	-0.0363	1.5166	5.1094	0.0793	0.0051	0.0033

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	151	133	CIM7 Min	-0.2216	-1.1902	-2.6731	-0.0914	-0.013	-0.0035
Base	152	134	PP	0.1173	0.0053	2.4405	-0.0002	0.0017	6.051E-06
Base	152	134	CA	0.0163	0.0669	0.3797	-0.003	-0.0001	0.0001
Base	152	134	CV	0.0065	0.0455	0.1966	-0.0022	-0.0001	0.0001
Base	152	134	SX Max	0.4906	0.3966	1.1367	0.0361	0.1166	0.0014
Base	152	134	SY Max	0.0703	2.964	0.7603	0.1634	0.0133	0.0041
Base	152	134	CIM1	0.1421	0.1177	3.0166	-0.0054	0.0016	0.0001
Base	152	134	CIM2 Max	0.5654	0.4229	3.6205	0.0265	0.1043	0.0013
Base	152	134	CIM2 Min	-0.2964	-0.2787	1.6196	-0.035	-0.1009	-0.0011
Base	152	134	CIM3 Max	0.1954	2.6961	3.5069	0.1552	0.0134	0.0037
Base	152	134	CIM3 Min	0.0717	-2.5536	2.1335	-0.1646	-0.01	-0.0035
Base	152	134	CIM4 Max	0.4639	0.3694	3.7179	0.0169	0.0756	0.001
Base	152	134	CIM4 Min	-0.164	-0.1566	2.2174	-0.0267	-0.0753	-0.0006
Base	152	134	CIM5 Max	0.1663	2.0757	3.4627	0.1162	0.0104	0.0026
Base	152	134	CIM5 Min	0.0936	-1.6632	2.4526	-0.1259	-0.0071	-0.0026
Base	152	134	CIM6 Max	0.512	0.3941	2.6924	0.0296	0.1036	0.0013
Base	152	134	CIM6 Min	-0.3516	-0.3075	0.6916	-0.0337	-0.1016	-0.0012
Base	152	134	CIM7 Max	0.142	2.6692	2.3766	0.1595	0.0127	0.0036
Base	152	134	CIM7 Min	0.0163	-2.5626	1.0054	-0.1634	-0.0107	-0.0035
Base	153	135	PP	-0.1245	-0.0372	2.3652	0.0012	-0.0022	3.971E-05
Base	153	135	CA	-0.0096	0.0344	0.1207	-0.0029	-0.0009	-3.726E-05
Base	153	135	CV	-0.005	0.024	0.057	-0.002	-0.0005	-2.903E-05
Base	153	135	SX Max	0.5026	0.3919	1.5611	0.0322	0.1145	0.001
Base	153	135	SY Max	0.0626	2.0369	2.1067	0.1456	0.0074	0.0033
Base	153	135	CIM1	-0.1393	0.0212	2.543	-0.0037	-0.0036	-2.657E-05
Base	153	135	CIM2 Max	0.3051	0.3421	3.5773	0.0266	0.0977	0.0009
Base	153	135	CIM2 Min	-0.5767	-0.3477	1.0945	-0.03	-0.1036	-0.0009
Base	153	135	CIM3 Max	-0.0793	1.7914	4.3396	0.1265	0.0034	0.0029
Base	153	135	CIM3 Min	-0.1694	-1.7971	0.632	-0.1295	-0.0096	-0.0029
Base	153	135	CIM4 Max	0.1936	0.2739	3.5723	0.016	0.0721	0.0006
Base	153	135	CIM4 Min	-0.4699	-0.2435	1.4852	-0.0244	-0.079	-0.0007
Base	153	135	CIM5 Max	-0.0967	1.3609	3.9191	0.0929	0.0014	0.0021
Base	153	135	CIM5 Min	-0.1793	-1.3305	1.1383	-0.0993	-0.0053	-0.0022
Base	153	135	CIM6 Max	0.3618	0.3432	2.883	0.0273	0.0969	0.0009
Base	153	135	CIM6 Min	-0.523	-0.3466	0.1002	-0.0293	-0.1026	-0.0009
Base	153	135	CIM7 Max	-0.0255	1.7926	3.3454	0.1271	0.0046	0.0029
Base	153	135	CIM7 Min	-0.1357	-1.796	-0.3623	-0.1292	-0.0053	-0.0029
Base	155	136	PP	0.0003	-0.2296	0.934	0.0064	-1.735E-05	2.074E-05
Base	155	136	CA	-4.13E-05	0.0041	0.021	-0.001	-0.0001	-1.984E-05
Base	155	136	CV	-1.657E-05	0.0072	-0.0047	-0.0006	-0.0001	-1.187E-05
Base	155	136	SX Max	0.3766	0.2594	0.593	0.0059	0.1647	0.0337
Base	155	136	SY Max	0.0251	1.5561	4.54	0.0699	0.0099	0.0019
Base	155	136	CIM1	0.0003	-0.2165	0.9503	0.0045	-0.0002	-1.105E-05
Base	155	136	CIM2 Max	0.3335	0.0026	1.4769	0.0131	0.1624	0.0297
Base	155	136	CIM2 Min	-0.3329	-0.454	0.4332	-0.0025	-0.1627	-0.0297

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	155	136	CIM3 Max	0.0224	1.1437	4.9503	0.0669	0.0065	0.0017
Base	155	136	CIM3 Min	-0.0216	-1.5951	-3.0402	-0.0562	-0.0069	-0.0017
Base	155	136	CIM4 Max	0.2502	-0.0491	1.3429	0.0106	0.1217	0.0222
Base	155	136	CIM4 Min	-0.2496	-0.3915	0.5601	-0.0011	-0.1221	-0.0223
Base	155	136	CIM5 Max	0.0168	0.6068	3.9479	0.0509	0.0063	0.0012
Base	155	136	CIM5 Min	-0.0163	-1.2473	-2.0449	-0.0414	-0.0067	-0.0013
Base	155	136	CIM6 Max	0.3334	0.0929	1.0949	0.011	0.1624	0.0297
Base	155	136	CIM6 Min	-0.333	-0.3637	0.0512	-0.0046	-0.1626	-0.0297
Base	155	136	CIM7 Max	0.0222	1.234	4.5683	0.0647	0.0056	0.0017
Base	155	136	CIM7 Min	-0.0219	-1.5046	-3.4222	-0.0564	-0.0066	-0.0017
Base	156	137	PP	-0.1294	0.0002	0.6961	-0.0001	-0.0012	-1.464E-05
Base	156	137	CA	-0.0246	0.0003	0.1136	-0.0003	-0.0004	-4.969E-05
Base	156	137	CV	-0.0133	0.0002	0.0609	-0.0002	-0.0002	-3.503E-05
Base	156	137	SX Max	0.964	0.1576	2.3599	0.0416	0.062	0.011
Base	156	137	SY Max	0.1127	0.0534	0.2536	0.0232	0.0073	0.0047
Base	156	137	CIM1	-0.1675	0.0007	0.8706	-0.0006	-0.0016	-0.0001
Base	156	137	CIM2 Max	0.6941	0.1392	2.5664	0.0364	0.053	0.0096
Base	156	137	CIM2 Min	-1.0025	-0.1382	-1.267	-0.0372	-0.0561	-0.0097
Base	156	137	CIM3 Max	-0.0551	0.0475	1.033	0.02	0.0049	0.0041
Base	156	137	CIM3 Min	-0.2534	-0.0465	0.5863	-0.0206	-0.008	-0.0042
Base	156	137	CIM4 Max	0.4721	0.1047	2.4129	0.0271	0.0392	0.0071
Base	156	137	CIM4 Min	-0.6004	-0.1034	-0.7022	-0.0262	-0.0426	-0.0073
Base	156	137	CIM5 Max	-0.0696	0.0359	1.0229	0.0147	0.0031	0.003
Base	156	137	CIM5 Min	-0.2365	-0.0346	0.6576	-0.0156	-0.0065	-0.0032
Base	156	137	CIM6 Max	0.7556	0.139	2.5625	0.0366	0.0537	0.0096
Base	156	137	CIM6 Min	-0.9406	-0.1384	-1.5909	-0.0371	-0.0555	-0.0097
Base	156	137	CIM7 Max	0.0066	0.0473	0.7092	0.0202	0.0055	0.0041
Base	156	137	CIM7 Min	-0.1917	-0.0467	0.2625	-0.0206	-0.0074	-0.0042
Base	157	138	PP	0.1232	-4.75E-05	0.7116	0.0001	0.0011	-1.278E-05
Base	157	138	CA	-0.0005	0.0001	0.0152	-0.0002	-0.0004	2.153E-05
Base	157	138	CV	-0.0013	0.0001	0.0039	-0.0001	-0.0003	1.776E-05
Base	157	138	SX Max	0.8223	0.1719	2.1962	0.0456	0.0623	0.0112
Base	157	138	SY Max	0.1795	0.0534	0.6566	0.0219	0.0062	0.0044
Base	157	138	CIM1	0.1214	0.0001	0.7307	-0.0002	0.0004	2.653E-05
Base	157	138	CIM2 Max	0.9343	0.1514	2.6595	0.0402	0.0555	0.0099
Base	157	138	CIM2 Min	-0.669	-0.1512	-1.2059	-0.0403	-0.0541	-0.0099
Base	157	138	CIM3 Max	0.2606	0.0471	1.331	0.0192	0.0062	0.0036
Base	157	138	CIM3 Min	-0.0353	-0.047	0.1226	-0.0193	-0.0046	-0.0036
Base	157	138	CIM4 Max	0.7304	0.1136	2.1792	0.0301	0.0416	0.0074
Base	157	138	CIM4 Min	-0.467	-0.1134	-0.7198	-0.0303	-0.0406	-0.0074
Base	157	138	CIM5 Max	0.2402	0.0354	1.1629	0.0143	0.0046	0.0029
Base	157	138	CIM5 Min	0.0032	-0.0351	0.2766	-0.0146	-0.0036	-0.0029
Base	157	138	CIM6 Max	0.8552	0.1513	2.3667	0.0402	0.0552	0.0099
Base	157	138	CIM6 Min	-0.736	-0.1513	-1.4966	-0.0403	-0.0544	-0.0099
Base	157	138	CIM7 Max	0.2316	0.047	1.0402	0.0192	0.0059	0.0036

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	157	138	CIM7 Min	-0.0644	-0.047	-0.1681	-0.0193	-0.0051	-0.0036
Base	66	142	PP	0.1456	-0.1512	1.1256	0.0024	0.0019	-1.919E-05
Base	66	142	CA	0.0136	-0.0306	0.1353	0.0016	0.0002	-0.0001
Base	66	142	CV	0.0066	-0.0156	0.0672	0.0009	0.0001	-3.103E-05
Base	66	142	SX Max	0.2662	0.1697	1.1973	0.0131	0.0038	0.0017
Base	66	142	SY Max	0.1536	0.2675	1.1772	0.0331	0.0096	0.0017
Base	66	142	CIM1	0.1663	-0.1977	1.3252	0.005	0.0023	-0.0001
Base	66	142	CIM2 Max	0.4114	-0.0326	2.3146	0.0157	0.0319	0.0014
Base	66	142	CIM2 Min	-0.0923	-0.3314	0.2074	-0.0074	-0.0276	-0.0016
Base	66	142	CIM3 Max	0.2947	0.0533	2.2969	0.0333	0.0106	0.0014
Base	66	142	CIM3 Min	0.0244	-0.4175	0.225	-0.025	-0.0063	-0.0016
Base	66	142	CIM4 Max	0.3535	-0.0618	2.1016	0.0135	0.0245	0.001
Base	66	142	CIM4 Min	-0.0242	-0.3057	0.5212	-0.0036	-0.0201	-0.0012
Base	66	142	CIM5 Max	0.266	-0.0172	2.0683	0.0267	0.0066	0.001
Base	66	142	CIM5 Min	0.0633	-0.3703	0.5344	-0.0171	-0.0041	-0.0012
Base	66	142	CIM6 Max	0.3475	0.0401	1.8102	0.0141	0.031	0.0015
Base	66	142	CIM6 Min	-0.1561	-0.2565	-0.297	-0.0091	-0.0264	-0.0016
Base	66	142	CIM7 Max	0.2309	0.1262	1.7925	0.0317	0.0096	0.0014
Base	66	142	CIM7 Min	-0.0394	-0.3446	-0.2793	-0.0267	-0.0072	-0.0015
Base	74	143	PP	0.1959	-0.217	1.6356	0.0069	0.0059	-0.0001
Base	74	143	CA	-0.0497	-0.0091	-0.0015	-0.0002	-0.0035	-0.0001
Base	74	143	CV	-0.0276	0.0005	-0.022	-0.0004	-0.0019	-0.0001
Base	74	143	SX Max	0.9325	0.2993	3.4276	0.0141	0.0644	0.0026
Base	74	143	SY Max	0.0756	1.363	4.2643	0.0985	0.0117	0.0039
Base	74	143	CIM1	0.1164	-0.2256	1.6123	0.0063	0.0005	-0.0002
Base	74	143	CIM2 Max	0.9666	0.0373	4.6506	0.0191	0.0591	0.0021
Base	74	143	CIM2 Min	-0.6744	-0.4695	-1.3622	-0.0057	-0.0543	-0.0024
Base	74	143	CIM3 Max	0.2127	0.991	5.4045	0.0934	0.0127	0.0033
Base	74	143	CIM3 Min	0.0796	-1.4431	-2.1359	-0.0799	-0.0079	-0.0036
Base	74	143	CIM4 Max	0.7406	-0.0261	3.8601	0.0157	0.0435	0.0015
Base	74	143	CIM4 Min	-0.49	-0.4233	-0.6446	-0.0029	-0.0415	-0.0019
Base	74	143	CIM5 Max	0.1753	0.6671	4.4454	0.0714	0.0057	0.0024
Base	74	143	CIM5 Min	0.0755	-1.1385	-1.2096	-0.0566	-0.0067	-0.0026
Base	74	143	CIM6 Max	0.9063	0.1276	3.997	0.0164	0.0561	0.0021
Base	74	143	CIM6 Min	-0.7326	-0.3991	-2.0359	-0.0064	-0.0552	-0.0024
Base	74	143	CIM7 Max	0.1543	1.0614	4.7506	0.0907	0.0117	0.0033
Base	74	143	CIM7 Min	0.0212	-1.3527	-2.7696	-0.0826	-0.0069	-0.0036
Base	86	144	PP	-0.0026	-0.2126	0.6174	0.0054	-0.0019	-0.0004
Base	86	144	CA	-0.0116	-0.0081	0.014	0.0003	-0.0066	-0.0013
Base	86	144	CV	-0.0061	-0.0005	-0.0046	-1.44E-05	-0.0036	-0.0007
Base	86	144	SX Max	0.3534	0.2456	0.6429	0.009	0.1845	0.0361
Base	86	144	SY Max	0.177	1.2125	3.676	0.0501	0.0659	0.0171
Base	86	144	CIM1	-0.0203	-0.2212	0.6267	0.0057	-0.0124	-0.0024
Base	86	144	CIM2 Max	0.2967	-0.0044	1.3972	0.0136	0.1536	0.0301
Base	86	144	CIM2 Min	-0.3252	-0.437	0.2657	-0.0022	-0.1711	-0.0335

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	66	144	CIM3 Max	0.1415	0.6463	4.0663	0.0498	0.0666	0.0134
Base	66	144	CIM3 Min	-0.17	-1.2677	-2.4034	-0.0364	-0.0643	-0.0166
Base	66	144	CIM4 Max	0.2144	-0.0566	1.2522	0.0116	0.1103	0.0216
Base	66	144	CIM4 Min	-0.252	-0.3633	0.4035	-0.0003	-0.1332	-0.0261
Base	66	144	CIM5 Max	0.086	0.5792	3.254	0.0367	0.0452	0.0091
Base	66	144	CIM5 Min	-0.1356	-1.0213	-1.5963	-0.0274	-0.0681	-0.0135
Base	66	144	CIM6 Max	0.3024	0.0639	1.0647	0.0113	0.1571	0.0307
Base	66	144	CIM6 Min	-0.3195	-0.3467	-0.0669	-0.0045	-0.1676	-0.0326
Base	66	144	CIM7 Max	0.1472	0.9345	3.7336	0.0475	0.0703	0.014
Base	66	144	CIM7 Min	-0.1643	-1.1994	-2.736	-0.0407	-0.0806	-0.0161
Base	69	145	PP	-0.1466	4.676E-05	0.5653	-0.0001	-0.0014	-1.246E-05
Base	69	145	CA	-0.0204	1.715E-05	0.0631	-4.126E-05	-0.0007	-1.006E-05
Base	69	145	CV	-0.0111	4.141E-06	0.0346	-3.456E-05	-0.0004	-5.345E-06
Base	69	145	SX Max	0.297	0.0051	0.9131	0.0036	0.0139	0.0009
Base	69	145	SY Max	0.0066	0.1564	0.0269	0.2011	0.0004	0.045
Base	69	145	CIM1	-0.1761	0.0001	0.663	-0.0001	-0.0024	-3.066E-05
Base	69	145	CIM2 Max	0.0944	0.0045	1.4319	0.0031	0.0102	0.0007
Base	69	145	CIM2 Min	-0.4264	-0.0044	-0.1751	-0.0032	-0.0142	-0.0006
Base	69	145	CIM3 Max	-0.1595	0.1377	0.6536	0.1766	-0.0017	0.0422
Base	69	145	CIM3 Min	-0.1746	-0.1375	0.603	-0.177	-0.0024	-0.0422
Base	69	145	CIM4 Max	0.0207	0.0034	1.257	0.0023	0.0068	0.0005
Base	69	145	CIM4 Min	-0.3714	-0.0033	0.0516	-0.0025	-0.0115	-0.0006
Base	69	145	CIM5 Max	-0.1697	0.1033	0.6734	0.1326	-0.002	0.0316
Base	69	145	CIM5 Min	-0.161	-0.1031	0.6353	-0.1326	-0.0026	-0.0317
Base	69	145	CIM6 Max	0.1612	0.0045	1.1606	0.0031	0.011	0.0007
Base	69	145	CIM6 Min	-0.3616	-0.0044	-0.4264	-0.0032	-0.0134	-0.0006
Base	69	145	CIM7 Max	-0.0927	0.1377	0.4025	0.1769	-0.0009	0.0422
Base	69	145	CIM7 Min	-0.1078	-0.1376	0.3516	-0.177	-0.0016	-0.0422
Base	112	146	PP	0.2491	0.056	2.3661	-0.0031	0.0103	0.0001
Base	112	146	CA	0.0263	0.0266	0.2239	-0.0015	0.0007	4.561E-05
Base	112	146	CV	0.0115	0.0205	0.1163	-0.0012	0.0002	3.347E-05
Base	112	146	SX Max	1.444	0.3357	4.3909	0.0226	0.1163	0.0007
Base	112	146	SY Max	0.0446	1.6135	1.6975	0.1536	0.0079	0.0033
Base	112	146	CIM1	0.2869	0.1052	2.7063	-0.0056	0.0113	0.0002
Base	112	146	CIM2 Max	1.5461	0.3826	6.456	0.0155	0.1134	0.0006
Base	112	146	CIM2 Min	-0.9953	-0.2133	-1.272	-0.0247	-0.0913	-0.0005
Base	112	146	CIM3 Max	0.3146	1.6806	4.0656	0.1306	0.018	0.003
Base	112	146	CIM3 Min	0.2362	-1.5111	1.0982	-0.1387	0.0041	-0.0027
Base	112	146	CIM4 Max	1.2371	0.3236	5.5773	0.0096	0.088	0.0006
Base	112	146	CIM4 Min	-0.669	-0.1234	-0.2166	-0.0206	-0.0655	-0.0003
Base	112	146	CIM5 Max	0.3134	1.297	3.7996	0.0959	0.0165	0.0023
Base	112	146	CIM5 Min	0.2546	-1.0966	1.5569	-0.1068	0.006	-0.002
Base	112	146	CIM6 Max	1.436	0.3459	5.4192	0.0173	0.109	0.0007
Base	112	146	CIM6 Min	-1.1055	-0.2472	-2.3068	-0.0228	-0.0957	-0.0006
Base	112	146	CIM7 Max	0.2045	1.6467	3.049	0.1324	0.0136	0.0029

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	112	146	CIM7 Min	0.126	-1.545	0.0614	-0.1379	-0.0003	-0.0026
Base	115	147	PP	-0.2502	0.0449	2.354	-0.0025	-0.0104	-0.0001
Base	115	147	CA	-0.0296	-0.0026	0.1723	0.0002	-0.0013	-1.049E-06
Base	115	147	CV	-0.0184	0.0016	0.1022	-0.0002	-0.0009	-7.544E-06
Base	115	147	SX Max	1.4116	0.1375	3.95	0.0199	0.1206	0.0005
Base	115	147	SY Max	0.0677	1.1296	1.2516	0.1137	0.0101	0.0024
Base	115	147	CIM1	-0.2964	0.0439	2.6264	-0.0025	-0.0126	-0.0001
Base	115	147	CIM2 Max	0.9623	0.1631	6.0022	0.0152	0.0944	0.0004
Base	115	147	CIM2 Min	-1.5223	-0.0789	-0.9496	-0.0196	-0.1179	-0.0005
Base	115	147	CIM3 Max	-0.2026	1.0363	3.6276	0.0977	-0.0029	0.0021
Base	115	147	CIM3 Min	-0.3572	-0.9521	1.4249	-0.1024	-0.0206	-0.0022
Base	115	147	CIM4 Max	0.636	0.1342	5.2099	0.0106	0.0672	0.0003
Base	115	147	CIM4 Min	-1.2256	-0.0473	-0.0041	-0.0156	-0.092	-0.0004
Base	115	147	CIM5 Max	-0.2359	0.7691	3.4269	0.0726	-0.0057	0.0015
Base	115	147	CIM5 Min	-0.3517	-0.7022	1.7769	-0.0775	-0.019	-0.0017
Base	115	147	CIM6 Max	1.0743	0.1463	4.9917	0.0161	0.0991	0.0004
Base	115	147	CIM6 Min	-1.4103	-0.0957	-1.9602	-0.0189	-0.1132	-0.0005
Base	115	147	CIM7 Max	-0.0906	1.0194	2.6171	0.0987	0.0016	0.0021
Base	115	147	CIM7 Min	-0.2452	-0.9689	0.4144	-0.1014	-0.0159	-0.0022
Base	126	148	PP	-0.2151	4.649E-05	0.6327	2.151E-05	-0.0059	2.092E-06
Base	126	148	CA	-0.0361	-0.0006	0.0133	0.0002	-0.0027	4.011E-05
Base	126	148	CV	-0.0199	-0.0003	0.0109	0.0001	-0.0015	1.724E-05
Base	126	148	SX Max	1.0669	0.0913	3.2106	0.0296	0.0451	0.0065
Base	126	148	SY Max	0.2426	0.5457	0.4952	0.3302	0.0094	0.0612
Base	126	148	CIM1	-0.2711	-0.0006	0.6569	0.0003	-0.01	0.0001
Base	126	148	CIM2 Max	0.7052	0.0799	3.6713	0.0262	0.0337	0.0057
Base	126	148	CIM2 Min	-1.2077	-0.0609	-1.9793	-0.0256	-0.0509	-0.0056
Base	126	148	CIM3 Max	-0.0376	0.4797	1.2618	0.2907	-0.0003	0.0539
Base	126	148	CIM3 Min	-0.4647	-0.4606	0.4102	-0.2903	-0.0166	-0.0536
Base	126	148	CIM4 Max	0.4512	0.0595	2.9731	0.0196	0.0221	0.0043
Base	126	148	CIM4 Min	-0.9835	-0.061	-1.2648	-0.0193	-0.0414	-0.0042
Base	126	148	CIM5 Max	-0.1061	0.3595	1.161	0.2162	-0.0035	0.0405
Base	126	148	CIM5 Min	-0.4262	-0.3609	0.5273	-0.2176	-0.0159	-0.0404
Base	126	148	CIM6 Max	0.8057	0.0801	3.3329	0.0262	0.0372	0.0057
Base	126	148	CIM6 Min	-1.1072	-0.0807	-2.3177	-0.0259	-0.0475	-0.0057
Base	126	148	CIM7 Max	0.0627	0.4799	0.9434	0.2907	0.0031	0.0539
Base	126	148	CIM7 Min	-0.3642	-0.4606	0.0716	-0.2904	-0.0134	-0.0539
Base	145	150	PP	-0.1434	0.0002	0.5533	0.0004	-0.0012	0.0001
Base	145	150	CA	-0.0095	0.0001	0.0323	0.0002	0.0001	4.494E-05
Base	145	150	CV	-0.0052	2.667E-05	0.016	0.0001	3.674E-05	2.052E-05
Base	145	150	SX Max	0.5016	0.1543	1.4643	0.0453	0.0167	0.0133
Base	145	150	SY Max	0.1348	0.131	0.3367	0.0452	0.0042	0.0123
Base	145	150	CIM1	-0.1561	0.0003	0.6035	0.0007	-0.001	0.0001
Base	145	150	CIM2 Max	0.2686	0.1361	1.6742	0.043	0.0153	0.0116
Base	145	150	CIM2 Min	-0.5945	-0.1355	-0.7031	-0.0419	-0.0175	-0.0116

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	145	150	CIM3 Max	-0.0343	0.1156	0.6619	0.0404	0.0026	0.011
Base	145	150	CIM3 Min	-0.2715	-0.115	0.2692	-0.0392	-0.0046	-0.0107
Base	145	150	CIM4 Max	0.1744	0.1021	1.5655	0.0325	0.0113	0.0069
Base	145	150	CIM4 Min	-0.466	-0.1015	-0.3674	-0.0312	-0.0134	-0.0067
Base	145	150	CIM5 Max	-0.0679	0.0666	0.6213	0.0305	0.0017	0.0063
Base	145	150	CIM5 Min	-0.2456	-0.0662	0.3766	-0.0292	-0.0036	-0.006
Base	145	150	CIM6 Max	0.3496	0.136	1.6399	0.0428	0.0156	0.0116
Base	145	150	CIM6 Min	-0.5333	-0.1356	-0.9373	-0.0421	-0.0171	-0.0117
Base	145	150	CIM7 Max	0.0266	0.1154	0.6476	0.0401	0.003	0.0109
Base	145	150	CIM7 Min	-0.2104	-0.1151	0.055	-0.0394	-0.0043	-0.0106
Base	146	149	PP	0.1399	-3.362E-05	0.5461	-3.614E-05	0.001	6.036E-06
Base	146	149	CA	-0.0009	-2.294E-05	0.009	-3.426E-05	-0.0005	7.557E-06
Base	146	149	CV	-0.0005	-1.542E-05	0.0034	-3.064E-05	-0.0003	7.109E-06
Base	146	149	SX Max	0.2956	0.0049	0.9211	0.0036	0.0139	0.0009
Base	146	149	SY Max	0.0094	0.1594	0.0326	0.2016	0.0004	0.0461
Base	146	149	CIM1	0.1362	-0.0001	0.5606	-0.0001	0.0002	2.3E-05
Base	146	149	CIM2 Max	0.4017	0.0042	1.3677	0.0031	0.0127	0.0008
Base	146	149	CIM2 Min	-0.1237	-0.0044	-0.2534	-0.0032	-0.0117	-0.0007
Base	146	149	CIM3 Max	0.1472	0.1402	0.566	0.1773	0.0008	0.0424
Base	146	149	CIM3 Min	0.1308	-0.1403	0.5263	-0.1775	0.0002	-0.0423
Base	146	149	CIM4 Max	0.3354	0.0032	1.1676	0.0023	0.0095	0.0006
Base	146	149	CIM4 Min	-0.0566	-0.0033	-0.0462	-0.0024	-0.0086	-0.0005
Base	146	149	CIM5 Max	0.1446	0.1051	0.5614	0.133	0.0006	0.0316
Base	146	149	CIM5 Min	0.1322	-0.1053	0.536	-0.1332	4.753E-05	-0.0317
Base	146	149	CIM6 Max	0.3461	0.0043	1.1446	0.0031	0.0125	0.0008
Base	146	149	CIM6 Min	-0.1793	-0.0043	-0.4763	-0.0032	-0.0119	-0.0007
Base	146	149	CIM7 Max	0.0916	0.1402	0.3632	0.1774	0.0007	0.0424
Base	146	149	CIM7 Min	0.0752	-0.1403	0.3054	-0.1775	-4.446E-05	-0.0423
Base	154	151	PP	-0.0001	0.1393	0.5462	-0.0009	0.0003	-0.0001
Base	154	151	CA	0.0001	-0.005	0.0102	0.001	0.0001	-3.146E-05
Base	154	151	CV	0.0001	-0.0014	0.0099	0.0005	0.0001	-1.505E-05
Base	154	151	SX Max	0.1954	0.1916	0.4959	0.0062	0.0635	0.0175
Base	154	151	SY Max	0.1207	0.5623	1.7205	0.0196	0.0372	0.0103
Base	154	151	CIM1	0.0001	0.1329	0.5684	0.0006	0.0006	-0.0001
Base	154	151	CIM2 Max	0.1745	0.3029	0.9946	0.0056	0.0564	0.0153
Base	154	151	CIM2 Min	-0.1746	-0.0343	0.1221	-0.0054	-0.0554	-0.0155
Base	154	151	CIM3 Max	0.1062	0.6291	2.0725	0.0174	0.0332	0.009
Base	154	151	CIM3 Min	-0.1062	-0.3605	-0.9555	-0.0172	-0.0323	-0.0092
Base	154	151	CIM4 Max	0.131	0.2597	0.8932	0.0046	0.0425	0.0115
Base	154	151	CIM4 Min	-0.1309	0.0066	0.2366	-0.0036	-0.0414	-0.0117
Base	154	151	CIM5 Max	0.0797	0.5044	1.7014	0.0135	0.0251	0.0067
Base	154	151	CIM5 Min	-0.0796	-0.2376	-0.5696	-0.0125	-0.024	-0.0069
Base	154	151	CIM6 Max	0.1745	0.2492	0.7715	0.0056	0.0562	0.0154
Base	154	151	CIM6 Min	-0.1746	-0.066	-0.1013	-0.0054	-0.0556	-0.0155
Base	154	151	CIM7 Max	0.1062	0.5754	1.8491	0.0174	0.033	0.009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	154	151	CIM7 Min	-0.1062	-0.4142	-1.1789	-0.0172	-0.0325	-0.0091
Base	160	152	PP	-0.0008	0.2219	0.6271	-0.0054	0.0004	-1.422E-05
Base	160	152	CA	-0.0007	0.0347	0.1015	-0.0011	-0.0002	0.0001
Base	160	152	CV	-0.0003	0.0223	0.0651	-0.0007	-0.0001	2.595E-05
Base	160	152	SX Max	0.2219	0.3997	1.068	0.0119	0.0926	0.0195
Base	160	152	SY Max	0.1834	1.3795	3.826	0.0576	0.0743	0.0159
Base	160	152	CIM1	-0.0016	0.2769	0.9937	-0.0072	0.0001	0.0001
Base	160	152	CIM2 Max	0.1936	0.6063	1.6664	0.004	0.0617	0.0172
Base	160	152	CIM2 Min	-0.1967	-0.0951	-0.0113	-0.0169	-0.0513	-0.0171
Base	160	152	CIM3 Max	0.16	1.4706	4.2954	0.0444	0.0656	0.014
Base	160	152	CIM3 Min	-0.1629	-0.9574	-2.4383	-0.0573	-0.0652	-0.0139
Base	160	152	CIM4 Max	0.1446	0.5371	1.6823	0.0008	0.0613	0.0129
Base	160	152	CIM4 Min	-0.1461	0.0095	0.2725	-0.0149	-0.061	-0.0126
Base	160	152	CIM5 Max	0.1194	1.1838	3.5026	0.0311	0.0492	0.0105
Base	160	152	CIM5 Min	-0.1226	-0.6372	-1.5477	-0.0452	-0.0489	-0.0104
Base	160	152	CIM6 Max	0.1944	0.5057	1.497	0.0066	0.0617	0.0172
Base	160	152	CIM6 Min	-0.1961	-0.1976	-0.3627	-0.0144	-0.0514	-0.0171
Base	160	152	CIM7 Max	0.1606	1.3679	3.924	0.047	0.0655	0.014
Base	160	152	CIM7 Min	-0.1623	-1.06	-2.8097	-0.0547	-0.0653	-0.0139
Base	161	153	PP	0.0011	0.2168	0.617	-0.0052	-0.0003	-1.495E-05
Base	161	153	CA	0.0023	0.0167	0.067	-0.0005	0.001	-0.0002
Base	161	153	CV	0.0012	0.0142	0.049	-0.0004	0.0005	-0.0001
Base	161	153	SX Max	0.3265	0.3222	0.9724	0.0083	0.1355	0.0287
Base	161	153	SY Max	0.1396	1.1167	3.3999	0.0454	0.0573	0.0122
Base	161	153	CIM1	0.0046	0.2497	0.933	-0.0062	0.0012	-0.0003
Base	161	153	CIM2 Max	0.2925	0.5191	1.7397	0.0016	0.12	0.025
Base	161	153	CIM2 Min	-0.2657	-0.046	0.0263	-0.0131	-0.1165	-0.0255
Base	161	153	CIM3 Max	0.1262	1.2162	3.6759	0.0342	0.0512	0.0105
Base	161	153	CIM3 Min	-0.1194	-0.7472	-2.1079	-0.0457	-0.0497	-0.011
Base	161	153	CIM4 Max	0.2211	0.4566	1.5626	-0.0006	0.0905	0.0186
Base	161	153	CIM4 Min	-0.2125	0.0335	0.279	-0.0116	-0.0563	-0.0193
Base	161	153	CIM5 Max	0.0965	0.9532	3.1647	0.0239	0.0369	0.0077
Base	161	153	CIM5 Min	-0.0878	-0.4909	-1.3231	-0.036	-0.0367	-0.0084
Base	161	153	CIM6 Max	0.2911	0.4249	1.3661	0.0039	0.1197	0.0251
Base	161	153	CIM6 Min	-0.267	-0.1422	-0.3253	-0.0108	-0.1166	-0.0254
Base	161	153	CIM7 Max	0.1249	1.124	3.5223	0.0365	0.0509	0.0106
Base	161	153	CIM7 Min	-0.1208	-0.6414	-2.4615	-0.0434	-0.05	-0.0109
Base	162	154	PP	-1.131E-05	0.0007	2.5403	-0.0014	-4.19E-05	-1.963E-06
Base	162	154	CA	-3.476E-05	0.0024	0.2772	-0.0039	-0.0001	-1.062E-05
Base	162	154	CV	-0.0001	0.0015	0.1459	-0.0029	-0.0002	-5.821E-06
Base	162	154	SX Max	0.0205	0.0077	4.643E-06	0.0265	0.0756	0.0003
Base	162	154	SY Max	0.0014	0.0036	2.739E-05	0.2351	0.0052	0.0003
Base	162	154	CIM1	-0.0001	0.0046	2.9633	-0.0062	-0.0004	-1.843E-05
Base	162	154	CIM2 Max	0.018	0.0099	2.6175	0.0196	0.0663	0.0003
Base	162	154	CIM2 Min	-0.0161	-0.0037	2.6175	-0.0304	-0.0667	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	162	154	CIM3 Max	0.0012	0.0591	2.6175	0.2016	0.0044	0.0002
Base	162	154	CIM3 Min	-0.0013	-0.0529	2.6174	-0.2121	-0.0046	-0.0002
Base	162	154	CIM4 Max	0.0134	0.0093	2.9269	0.0114	0.0495	0.0002
Base	162	154	CIM4 Min	-0.0136	-0.0009	2.9269	-0.0263	-0.0502	-0.0002
Base	162	154	CIM5 Max	0.0006	0.0462	2.9269	0.1477	0.0031	0.0002
Base	162	154	CIM5 Min	-0.001	-0.0376	2.9269	-0.1626	-0.0036	-0.0002
Base	162	154	CIM6 Max	0.018	0.0067	1.6905	0.0219	0.0664	0.0003
Base	162	154	CIM6 Min	-0.018	-0.0049	1.6905	-0.0263	-0.0666	-0.0003
Base	162	154	CIM7 Max	0.0012	0.0579	1.6905	0.2037	0.0045	0.0002
Base	162	154	CIM7 Min	-0.0013	-0.0541	1.6905	-0.21	-0.0047	-0.0002
Base	163	156	PP	-1.006E-05	-0.0002	2.5409	-0.0003	-3.721E-05	-1.963E-06
Base	163	156	CA	-2.781E-05	-0.0013	0.2766	0.0005	-0.0001	-1.062E-05
Base	163	156	CV	-0.0001	-0.0004	0.1457	-0.0006	-0.0002	-5.821E-06
Base	163	156	SX Max	0.0204	0.0077	0	0.0265	0.0754	0.0003
Base	163	156	SY Max	0.0013	0.0636	0	0.2351	0.0046	0.0003
Base	163	156	CIM1	-0.0001	-0.0019	2.9633	-0.0005	-0.0003	-1.843E-05
Base	163	156	CIM2 Max	0.0179	0.0054	2.6177	0.0253	0.0662	0.0003
Base	163	156	CIM2 Min	-0.018	-0.0062	2.6177	-0.025	-0.0665	-0.0003
Base	163	156	CIM3 Max	0.0011	0.0546	2.6177	0.207	0.0039	0.0002
Base	163	156	CIM3 Min	-0.0011	-0.0574	2.6177	-0.2067	-0.0042	-0.0002
Base	163	156	CIM4 Max	0.0134	0.0034	2.9269	0.0165	0.0495	0.0002
Base	163	156	CIM4 Min	-0.0135	-0.0066	2.9269	-0.0192	-0.0501	-0.0002
Base	163	156	CIM5 Max	0.0007	0.0402	2.9269	0.1546	0.0026	0.0002
Base	163	156	CIM5 Min	-0.0009	-0.0437	2.9269	-0.1555	-0.0034	-0.0002
Base	163	156	CIM6 Max	0.0179	0.0059	1.6906	0.0252	0.0663	0.0003
Base	163	156	CIM6 Min	-0.018	-0.0077	1.6906	-0.025	-0.0664	-0.0003
Base	163	156	CIM7 Max	0.0011	0.0551	1.6906	0.2069	0.004	0.0002
Base	163	156	CIM7 Min	-0.0011	-0.0568	1.6906	-0.2068	-0.0042	-0.0002
Base	164	155	PP	-5.783E-06	0.0007	2.5412	-0.0014	-3.25E-05	-1.963E-06
Base	164	155	CA	-2.099E-05	0.0024	0.2793	-0.0039	-0.0001	-1.062E-05
Base	164	155	CV	-0.0001	0.0015	0.147	-0.0029	-0.0002	-5.821E-06
Base	164	155	SX Max	0.0204	0.0077	0	0.0265	0.0753	0.0003
Base	164	155	SY Max	0.0011	0.0636	0	0.2351	0.004	0.0003
Base	164	155	CIM1	-0.0001	0.0046	2.9675	-0.0062	-0.0003	-1.843E-05
Base	164	155	CIM2 Max	0.0179	0.0099	2.6205	0.0199	0.0662	0.0003
Base	164	155	CIM2 Min	-0.018	-0.0037	2.6205	-0.0304	-0.0664	-0.0003
Base	164	155	CIM3 Max	0.0009	0.0591	2.6205	0.2016	0.0034	0.0002
Base	164	155	CIM3 Min	-0.001	-0.0529	2.6205	-0.2121	-0.0037	-0.0002
Base	164	155	CIM4 Max	0.0134	0.0093	2.9307	0.0114	0.0495	0.0002
Base	164	155	CIM4 Min	-0.0135	-0.0009	2.9307	-0.0263	-0.05	-0.0002
Base	164	155	CIM5 Max	0.0007	0.0462	2.9307	0.1477	0.0024	0.0002
Base	164	155	CIM5 Min	-0.0006	-0.0376	2.9307	-0.1626	-0.0029	-0.0002
Base	164	155	CIM6 Max	0.0179	0.0066	1.6923	0.022	0.0662	0.0003
Base	164	155	CIM6 Min	-0.0179	-0.0049	1.6923	-0.0263	-0.0664	-0.0003
Base	164	155	CIM7 Max	0.0009	0.0576	1.6923	0.2037	0.0035	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	164	158	CIM7 Min	-0.001	-0.0541	1.6923	-0.21	-0.0036	-0.0002
Base	165	160	PP	-7.364E-06	-0.0002	2.5414	-0.0003	-2.763E-05	-1.963E-06
Base	165	160	CA	-1.395E-05	-0.0014	0.2766	0.0006	-0.0001	-1.062E-05
Base	165	160	CV	-4.613E-05	-0.0005	0.1466	-0.0006	-0.0002	-5.821E-06
Base	165	160	SX Max	0.0204	0.0077	1.479E-05	0.0265	0.0753	0.0003
Base	165	160	SY Max	0.0009	0.0636	1.911E-05	0.2351	0.0034	0.0003
Base	165	160	CIM1	-0.0001	-0.002	2.9665	-0.0002	-0.0003	-1.843E-05
Base	165	160	CIM2 Max	0.0179	0.0052	2.6199	0.0254	0.0662	0.0003
Base	165	160	CIM2 Min	-0.018	-0.0064	2.6199	-0.0248	-0.0664	-0.0003
Base	165	160	CIM3 Max	0.0006	0.0544	2.62	0.2072	0.0029	0.0002
Base	165	160	CIM3 Min	-0.0006	-0.0576	2.6199	-0.2065	-0.0031	-0.0002
Base	165	160	CIM4 Max	0.0134	0.0032	2.9299	0.0167	0.0495	0.0002
Base	165	160	CIM4 Min	-0.0135	-0.007	2.9299	-0.0169	-0.0499	-0.0002
Base	165	160	CIM5 Max	0.0005	0.0401	2.9299	0.155	0.0021	0.0002
Base	165	160	CIM5 Min	-0.0007	-0.0439	2.9299	-0.1552	-0.0025	-0.0002
Base	165	160	CIM6 Max	0.0179	0.0059	1.692	0.0253	0.0663	0.0003
Base	165	160	CIM6 Min	-0.018	-0.0077	1.6919	-0.0249	-0.0663	-0.0003
Base	165	160	CIM7 Max	0.0006	0.0551	1.692	0.207	0.003	0.0002
Base	165	160	CIM7 Min	-0.0006	-0.0569	1.6919	-0.2067	-0.0031	-0.0002
Base	166	162	PP	0.0033	-0.0003	2.5272	0.0002	0.0039	-1.963E-06
Base	166	162	CA	0.0125	-0.0012	0.2533	0.0012	0.015	-1.062E-05
Base	166	162	CV	0.0065	-0.0006	0.1333	0.0003	0.0075	-5.821E-06
Base	166	162	SX Max	0.0552	0.0023	0.022	0.0064	0.206	0.0003
Base	166	162	SY Max	0.0042	0.0226	0.0362	0.064	0.0051	0.0003
Base	166	162	CIM1	0.0222	-0.0022	2.9136	0.0017	0.0264	-1.843E-05
Base	166	162	CIM2 Max	0.0643	0.0004	2.7999	0.0066	0.2002	0.0003
Base	166	162	CIM2 Min	-0.0326	-0.0036	2.7611	-0.006	-0.1624	-0.0003
Base	166	162	CIM3 Max	0.0195	0.0165	2.6141	0.0753	0.0261	0.0002
Base	166	162	CIM3 Min	0.0121	-0.0216	2.7469	-0.0725	0.0116	-0.0002
Base	166	162	CIM4 Max	0.057	-0.0005	2.895	0.0072	0.1605	0.0002
Base	166	162	CIM4 Min	-0.0156	-0.0035	2.866	-0.0039	-0.1114	-0.0002
Base	166	162	CIM5 Max	0.0234	0.013	2.9057	0.0571	0.0299	0.0002
Base	166	162	CIM5 Min	0.0176	-0.0171	2.5553	-0.0535	0.0192	-0.0002
Base	166	162	CIM6 Max	0.058	0.0011	1.6577	0.0063	0.1927	0.0003
Base	166	162	CIM6 Min	-0.0391	-0.003	1.6469	-0.0066	-0.1699	-0.0003
Base	166	162	CIM7 Max	0.0132	0.0191	1.7019	0.0746	0.0165	0.0002
Base	166	162	CIM7 Min	0.0057	-0.021	1.6347	-0.0731	0.0042	-0.0002
Base	167	163	PP	-0.0012	-0.0005	2.4965	0.0004	-0.0014	-1.963E-06
Base	167	163	CA	-0.0045	-0.0016	0.1471	0.0017	-0.0054	-1.062E-05
Base	167	163	CV	-0.0025	-0.0006	0.0774	0.0006	-0.0032	-5.821E-06
Base	167	163	SX Max	0.0561	0.0021	0.0019	0.0077	0.2072	0.0003
Base	167	163	SY Max	0.0016	0.0227	0.0246	0.0635	0.005	0.0003
Base	167	163	CIM1	-0.0062	-0.0029	2.723	0.0026	-0.0101	-1.843E-05
Base	167	163	CIM2 Max	0.0437	-0.0002	2.6473	0.0059	0.1755	0.0003
Base	167	163	CIM2 Min	-0.0551	-0.0039	2.6439	-0.0047	-0.1892	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	167	163	CIM3 Max	-0.0043	0.0179	2.6672	0.0756	-0.0024	0.0002
Base	167	163	CIM3 Min	-0.0071	-0.0221	2.624	-0.0714	-0.0112	-0.0002
Base	167	163	CIM4 Max	0.0285	-0.0013	2.7049	0.0076	0.1275	0.0002
Base	167	163	CIM4 Min	-0.0446	-0.0041	2.7024	-0.0026	-0.146	-0.0002
Base	167	163	CIM5 Max	-0.0065	0.0123	2.7199	0.0576	-0.006	0.0002
Base	167	163	CIM5 Min	-0.0066	-0.0177	2.6874	-0.0526	-0.0126	-0.0002
Base	167	163	CIM6 Max	0.046	0.0006	1.569	0.006	0.1763	0.0003
Base	167	163	CIM6 Min	-0.0526	-0.0031	1.5657	-0.0056	-0.1665	-0.0003
Base	167	163	CIM7 Max	-0.002	0.0167	1.609	0.0747	0.0003	0.0002
Base	167	163	CIM7 Min	-0.0048	-0.0212	1.5657	-0.0723	-0.0065	-0.0002
Base	166	164	PP	0.0054	0.0001	2.5417	-0.0003	0.0065	-1.963E-06
Base	166	164	CA	0.0193	0.0001	0.3	-0.0005	0.0232	-1.062E-05
Base	166	164	CV	0.0101	0.0002	0.1579	-0.0006	0.0116	-5.821E-06
Base	166	164	SX Max	0.0551	0.0023	0.0139	0.0064	0.2061	0.0003
Base	166	164	SY Max	0.0041	0.0227	0.0266	0.0636	0.0059	0.0003
Base	166	164	CIM1	0.0346	0.0004	2.9995	-0.0013	0.0415	-1.643E-05
Base	166	164	CIM2 Max	0.0733	0.0022	2.6539	0.0067	0.211	0.0003
Base	166	164	CIM2 Min	-0.0236	-0.0016	2.6294	-0.0062	-0.1517	-0.0003
Base	166	164	CIM3 Max	0.0264	0.0201	2.667	0.073	0.0375	0.0002
Base	166	164	CIM3 Min	0.0211	-0.0197	2.6163	-0.0745	0.0216	-0.0002
Base	166	164	CIM4 Max	0.0667	0.0018	2.9692	0.0044	0.1745	0.0002
Base	166	164	CIM4 Min	-0.0041	-0.0012	2.9509	-0.0067	-0.0975	-0.0002
Base	166	164	CIM5 Max	0.0351	0.0153	2.9791	0.0541	0.0444	0.0002
Base	166	164	CIM5 Min	0.0296	-0.0146	2.9411	-0.0565	0.0326	-0.0002
Base	166	164	CIM6 Max	0.0634	0.0021	1.7172	0.007	0.1991	0.0003
Base	166	164	CIM6 Min	-0.0337	-0.0019	1.6926	-0.0079	-0.1635	-0.0003
Base	166	164	CIM7 Max	0.0165	0.0201	1.7303	0.0733	0.0256	0.0002
Base	166	164	CIM7 Min	0.0112	-0.0196	1.6797	-0.0742	0.01	-0.0002
Base	169	165	PP	-0.0021	0.0001	2.5101	-0.0003	-0.0026	-1.963E-06
Base	169	165	CA	-0.0079	0.0001	0.1666	-0.0005	-0.0094	-1.062E-05
Base	169	165	CV	-0.0042	0.0001	0.0963	-0.0006	-0.0054	-5.821E-06
Base	169	165	SX Max	0.0561	0.0021	0.0025	0.0077	0.2073	0.0003
Base	169	165	SY Max	0.0019	0.0225	0.0302	0.0633	0.006	0.0003
Base	169	165	CIM1	-0.0142	0.0003	2.7953	-0.0013	-0.0174	-1.643E-05
Base	169	165	CIM2 Max	0.0394	0.002	2.6892	0.0061	0.1704	0.0003
Base	169	165	CIM2 Min	-0.0593	-0.0016	2.6947	-0.0075	-0.1944	-0.0003
Base	169	165	CIM3 Max	-0.0063	0.02	2.7235	0.0726	-0.0067	0.0002
Base	169	165	CIM3 Min	-0.0117	-0.0196	2.6703	-0.074	-0.0173	-0.0002
Base	169	165	CIM4 Max	0.0239	0.0017	2.7724	0.004	0.1206	0.0002
Base	169	165	CIM4 Min	-0.0502	-0.0011	2.769	-0.0062	-0.1526	-0.0002
Base	169	165	CIM5 Max	-0.0119	0.0152	2.7906	0.0536	-0.012	0.0002
Base	169	165	CIM5 Min	-0.0144	-0.0146	2.7507	-0.0561	-0.02	-0.0002
Base	169	165	CIM6 Max	0.0434	0.002	1.6204	0.0064	0.1752	0.0003
Base	169	165	CIM6 Min	-0.0553	-0.0017	1.6159	-0.0072	-0.1696	-0.0003
Base	169	165	CIM7 Max	-0.0043	0.0199	1.6447	0.0729	-0.0019	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	169	165	CIM7 Min	-0.0077	-0.0197	1.5916	-0.0737	-0.0125	-0.0002
Base	119	170	PP	0.2903	0.1356	4.0025	-0.0076	0.0102	0.0002
Base	119	170	CA	0.0607	0.0063	0.6122	-0.0006	0.0035	1.133E-05
Base	119	170	CV	0.0404	0.0104	0.4812	-0.0006	0.0013	1.716E-05
Base	119	170	SX Max	1.6437	0.0572	4.0062	0.0114	0.1349	0.0006
Base	119	170	SY Max	0.0353	2.1075	1.9519	0.1502	0.0094	0.0032
Base	119	170	CIM1	0.4114	0.1543	5.096	-0.0092	0.015	0.0002
Base	119	170	CIM2 Max	1.6174	0.2207	6.1402	0.0017	0.1324	0.0007
Base	119	170	CIM2 Min	-1.0755	0.0672	1.0592	-0.0164	-0.1051	-0.0004
Base	119	170	CIM3 Max	0.402	1.9865	6.3324	0.1236	0.022	0.003
Base	119	170	CIM3 Min	0.3399	-1.7107	2.897	-0.1405	0.0054	-0.0026
Base	119	170	CIM4 Max	1.4561	0.2093	7.6196	-0.0014	0.1037	0.0006
Base	119	170	CIM4 Min	-0.6636	0.0941	2.3315	-0.0165	-0.0744	-0.0002
Base	119	170	CIM5 Max	0.4246	1.5426	6.2639	0.0901	0.0209	0.0023
Base	119	170	CIM5 Min	0.376	-1.2392	3.6874	-0.1061	0.0054	-0.0019
Base	119	170	CIM6 Max	1.669	0.1631	6.2943	0.005	0.1269	0.0007
Base	119	170	CIM6 Min	-1.2239	0.0096	-0.7567	-0.0151	-0.1105	-0.0005
Base	119	170	CIM7 Max	0.2536	1.9409	4.4865	0.1272	0.0165	0.0029
Base	119	170	CIM7 Min	0.1915	-1.7662	1.0511	-0.1372	-0.0001	-0.0027
Base	139	171	PP	-0.0838	0.0002	1.5355	-0.0002	-0.0042	0
Base	139	171	CA	-0.0366	0.0005	0.2549	-0.0005	-0.0015	7.12E-07
Base	139	171	CV	-0.0263	0.0003	0.1366	-0.0003	-0.0011	0
Base	139	171	SX Max	2.3027	0.0637	1.0314	0.0396	0.1341	0.0001
Base	139	171	SY Max	0.0526	0.6394	0.0292	0.5959	0.003	0.0002
Base	139	171	CIM1	-0.1467	0.0009	1.9271	-0.001	-0.0069	1.327E-06
Base	139	171	CIM2 Max	1.9039	0.0567	2.696	0.0343	0.1123	0.0001
Base	139	171	CIM2 Min	-2.1466	-0.0553	0.6627	-0.0357	-0.1236	-0.0001
Base	139	171	CIM3 Max	-0.076	0.5634	1.6161	0.5237	-0.0031	0.0002
Base	139	171	CIM3 Min	-0.169	-0.562	1.7647	-0.5251	-0.0054	-0.0002
Base	139	171	CIM4 Max	1.3776	0.0429	2.5737	0.0253	0.0619	0.0001
Base	139	171	CIM4 Min	-1.6619	-0.0411	1.2122	-0.0271	-0.0951	-0.0001
Base	139	171	CIM5 Max	-0.1073	0.4229	1.9122	0.3924	-0.0046	0.0001
Base	139	171	CIM5 Min	-0.1771	-0.4212	1.8737	-0.3942	-0.0056	-0.0001
Base	139	171	CIM6 Max	1.9529	0.0564	1.9519	0.0346	0.1146	0.0001
Base	139	171	CIM6 Min	-2.0996	-0.0556	0.1665	-0.0354	-0.1215	-0.0001
Base	139	171	CIM7 Max	-0.027	0.5631	1.0999	0.524	-0.0006	0.0002
Base	139	171	CIM7 Min	-0.12	-0.5623	1.0465	-0.5246	-0.0061	-0.0002
Base	140	167	PP	-0.2276	-0.2536	1.7496	0.0096	-0.0057	0.0001
Base	140	167	CA	-0.034	-0.0569	0.2621	0.0054	0.0052	0.0001
Base	140	167	CV	-0.0199	-0.0276	0.1349	0.0026	0.0026	1.794E-05
Base	140	167	SX Max	1.0609	0.1157	3.4366	0.0157	0.0615	0.0032
Base	140	167	SY Max	0.0529	0.6602	2.5069	0.0652	0.0123	0.0025
Base	140	167	CIM1	-0.2615	-0.3403	2.1466	0.0176	0.0022	0.0001
Base	140	167	CIM2 Max	0.6719	-0.2107	5.0363	0.029	0.0713	0.0029
Base	140	167	CIM2 Min	-1.1952	-0.4143	-1.0125	0.0014	-0.0722	-0.0027

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	140	167	CIM3 Max	-0.2151	0.4621	4.216	0.0726	0.0104	0.0023
Base	140	167	CIM3 Min	-0.3052	-1.0571	-0.1942	-0.0421	-0.0113	-0.0021
Base	140	167	CIM4 Max	0.4236	-0.2569	4.3614	0.0275	0.0553	0.0022
Base	140	167	CIM4 Min	-0.9767	-0.4097	-0.1552	0.0066	-0.0523	-0.002
Base	140	167	CIM5 Max	-0.2416	0.2476	3.7677	0.0602	0.0096	0.0016
Base	140	167	CIM5 Min	-0.3114	-0.9143	0.4565	-0.0256	-0.0066	-0.0015
Base	140	167	CIM6 Max	0.7766	-0.0557	4.2315	0.0229	0.0715	0.0029
Base	140	167	CIM6 Min	-1.0806	-0.2593	-1.6172	-0.0047	-0.072	-0.0026
Base	140	167	CIM7 Max	-0.1105	0.5571	3.4132	0.0665	0.0106	0.0023
Base	140	167	CIM7 Min	-0.2035	-0.9621	-0.999	-0.0462	-0.0111	-0.0022
Base	149	166	PP	0.0125	3.944E-05	1.5619	-0.0004	0.0005	-3.053E-06
Base	149	166	CA	-0.0537	0.0001	0.2957	-0.0001	-0.0031	-6.218E-07
Base	149	166	CV	-0.0322	4.597E-05	0.1569	-0.0001	-0.0019	0
Base	149	166	SX Max	2.6912	0.0571	0.4525	0.0416	0.1576	0.0002
Base	149	166	SY Max	0.2199	0.3694	0.4627	0.3039	0.0104	0.0004
Base	149	166	CIM1	-0.0734	0.0001	2.0345	-0.0007	-0.0045	-4.066E-06
Base	149	166	CIM2 Max	2.327	0.0503	2.2756	0.0362	0.1361	0.0001
Base	149	166	CIM2 Min	-2.4085	-0.0501	1.4795	-0.0373	-0.1413	-0.0001
Base	149	166	CIM3 Max	0.1523	0.3251	2.3024	0.2669	0.0065	0.0004
Base	149	166	CIM3 Min	-0.2348	-0.3249	1.4529	-0.2679	-0.0117	-0.0004
Base	149	166	CIM4 Max	1.7106	0.0376	2.2939	0.0269	0.1	0.0001
Base	149	166	CIM4 Min	-1.5416	-0.0375	1.6966	-0.0262	-0.108	-0.0001
Base	149	166	CIM5 Max	0.0796	0.2439	2.3139	0.1999	0.0029	0.0003
Base	149	166	CIM5 Min	-0.2105	-0.2436	1.6767	-0.2012	-0.0109	-0.0003
Base	149	166	CIM6 Max	2.3435	0.0503	1.5246	0.0364	0.1372	0.0001
Base	149	166	CIM6 Min	-2.393	-0.0502	0.7264	-0.0371	-0.1403	-0.0001
Base	149	166	CIM7 Max	0.1666	0.3251	1.5514	0.2671	0.0076	0.0004
Base	149	166	CIM7 Min	-0.2163	-0.325	0.7016	-0.2677	-0.0107	-0.0004
Base	156	169	PP	-0.2119	0.0115	2.2333	-0.0008	-0.0074	-1.463E-05
Base	156	169	CA	-0.1366	-0.041	0.4506	0.002	-0.0077	0.0001
Base	156	169	CV	-0.0727	-0.013	0.2567	0.0005	-0.0041	1.427E-05
Base	156	169	SX Max	0.5649	0.3061	2.0046	0.0197	0.052	0.0005
Base	156	169	SY Max	0.0199	2.1728	0.2264	0.1493	0.0045	0.0035
Base	156	169	CIM1	-0.4214	-0.0426	2.9706	0.0017	-0.0192	4.969E-05
Base	156	169	CIM2 Max	0.166	0.2416	4.4761	0.0166	0.0571	0.0005
Base	156	169	CIM2 Min	-0.8635	-0.3007	0.9496	-0.0161	-0.0572	-0.0004
Base	156	169	CIM3 Max	-0.3313	1.6826	2.9149	0.1327	-0.0111	0.0031
Base	156	169	CIM3 Min	-0.3662	-1.9417	2.5129	-0.1302	-0.019	-0.003
Base	156	169	CIM4 Max	-0.0172	0.164	4.2296	0.0146	0.036	0.0004
Base	156	169	CIM4 Min	-0.7693	-0.2427	1.5832	-0.0114	-0.0722	-0.0003
Base	156	169	CIM5 Max	-0.3902	1.3946	3.0572	0.1002	-0.0151	0.0023
Base	156	169	CIM5 Min	-0.4164	-1.4734	2.7557	-0.097	-0.0211	-0.0022
Base	156	169	CIM6 Max	0.3055	0.2534	3.3926	0.0161	0.0631	0.0005
Base	156	169	CIM6 Min	-0.724	-0.2669	-0.1359	-0.0166	-0.0512	-0.0004
Base	156	169	CIM7 Max	-0.1916	1.6944	1.6293	0.1322	-0.005	0.0031

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	158	169	CIM7 Min	-0.2267	-1.9299	1.4273	-0.1307	-0.013	-0.003
Base	159	177	PP	0.2409	-0.2449	1.6752	0.0056	0.0054	7.397E-06
Base	159	177	CA	0.0165	-0.0174	0.0932	0.0006	0.0006	6.051E-06
Base	159	177	CV	0.0063	-0.0037	0.0256	0.0001	0.0003	5.356E-06
Base	159	177	SX Max	1.4504	0.2074	4.2669	0.0167	0.1045	0.0045
Base	159	177	SY Max	0.1596	1.3504	3.7531	0.083	0.0071	0.0035
Base	159	177	CIM1	0.2657	-0.266	1.7939	0.0096	0.0094	2.16E-05
Base	159	177	CIM2 Max	1.5357	-0.0797	5.5406	0.0241	0.1011	0.004
Base	159	177	CIM2 Min	-1.017	-0.4446	-2.0042	-0.0052	-0.0526	-0.0039
Base	159	177	CIM3 Max	0.4	0.9261	5.0711	0.0525	0.0154	0.0031
Base	159	177	CIM3 Min	0.1166	-1.4506	-1.5344	-0.0636	0.0029	-0.003
Base	159	177	CIM4 Max	1.2214	-0.1252	4.6169	0.0205	0.0763	0.003
Base	159	177	CIM4 Min	-0.6932	-0.402	-1.0416	-0.0015	-0.0597	-0.003
Base	159	177	CIM5 Max	0.3696	0.6262	4.2646	0.0643	0.014	0.0023
Base	159	177	CIM5 Min	0.1567	-1.1563	-0.6695	-0.0453	0.0047	-0.0023
Base	159	177	CIM6 Max	1.432	0.0252	4.6335	0.0203	0.0975	0.004
Base	159	177	CIM6 Min	-1.1207	-0.3399	-2.7115	-0.009	-0.0565	-0.004
Base	159	177	CIM7 Max	0.2962	1.031	4.3637	0.0767	0.0117	0.0031
Base	159	177	CIM7 Min	0.015	-1.3457	-2.2417	-0.0674	-0.0007	-0.003
Base	171	166	PP	0.0017	0.2521	0.9215	-0.007	0.0069	-0.0011
Base	171	166	CA	0.0061	0.0548	0.177	-0.0014	0.0247	-0.004
Base	171	166	CV	0.0032	0.0323	0.1031	-0.0009	0.013	-0.0021
Base	171	166	SX Max	0.4726	0.1007	0.2641	0.0044	0.3943	0.0666
Base	171	166	SY Max	0.0729	0.9137	2.5657	0.0406	0.0577	0.0101
Base	171	166	CIM1	0.011	0.3392	1.2016	-0.0093	0.0447	-0.0072
Base	171	166	CIM2 Max	0.4236	0.3955	1.3465	-0.0045	0.3786	0.0554
Base	171	166	CIM2 Min	-0.4063	0.2163	0.6465	-0.0123	-0.3154	-0.0656
Base	171	166	CIM3 Max	0.0719	1.111	3.3564	0.0275	0.0624	0.0036
Base	171	166	CIM3 Min	-0.0564	-0.4972	-1.1593	-0.0443	-0.0192	-0.014
Base	171	166	CIM4 Max	0.3222	0.3976	1.3634	-0.0061	0.3017	0.0367
Base	171	166	CIM4 Min	-0.3019	0.2647	0.9563	-0.012	-0.2166	-0.0521
Base	171	166	CIM5 Max	0.0563	0.9342	2.5692	0.0179	0.0795	-2.415E-06
Base	171	166	CIM5 Min	-0.036	-0.2719	-0.5175	-0.036	0.0033	-0.0133
Base	171	166	CIM6 Max	0.4207	0.2726	0.9091	-0.0011	0.366	0.0575
Base	171	166	CIM6 Min	-0.4114	0.0955	0.4091	-0.0069	-0.328	-0.0636
Base	171	166	CIM7 Max	0.0686	0.9662	2.9169	0.0309	0.0696	0.0055
Base	171	166	CIM7 Min	-0.0595	-0.6199	-1.5957	-0.0409	-0.0316	-0.0119
Base	175	172	PP	-0.2405	-4.426E-05	0.6071	-3.672E-05	-0.0061	-5.966E-06
Base	175	172	CA	-0.0444	-0.0001	0.1355	-0.0001	-0.0009	-1.312E-05
Base	175	172	CV	-0.0262	-0.0001	0.0766	-0.0001	-0.0006	-9.169E-06
Base	175	172	SX Max	1.3709	0.0636	3.7314	0.0257	0.0519	0.0057
Base	175	172	SY Max	0.0254	0.3504	0.0663	0.3284	0.001	0.0051
Base	175	172	CIM1	-0.3111	-0.0002	1.0215	-0.0002	-0.0076	-2.826E-05
Base	175	172	CIM2 Max	0.9215	0.056	4.2263	0.0225	0.0367	0.005
Base	175	172	CIM2 Min	-1.4913	-0.0563	-2.341	-0.0226	-0.0527	-0.0051

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	175	172	CIM3 Max	-0.2625	0.3346	1.0026	0.2686	-0.0061	0.0573
Base	175	172	CIM3 Min	-0.3072	-0.3349	0.6525	-0.2691	-0.0079	-0.0573
Base	175	172	CIM4 Max	0.6002	0.0419	3.4645	0.0166	0.0268	0.0036
Base	175	172	CIM4 Min	-1.2093	-0.0423	-1.461	-0.0171	-0.0417	-0.0036
Base	175	172	CIM5 Max	-0.2676	0.2506	1.0469	0.2165	-0.0066	0.043
Base	175	172	CIM5 Min	-0.3213	-0.2512	0.9567	-0.2169	-0.0081	-0.043
Base	175	172	CIM6 Max	1.0355	0.0561	3.6492	0.0226	0.0415	0.005
Base	175	172	CIM6 Min	-1.3773	-0.0563	-2.7161	-0.0227	-0.0499	-0.005
Base	175	172	CIM7 Max	-0.1486	0.3346	0.6257	0.2689	-0.0033	0.0573
Base	175	172	CIM7 Min	-0.1933	-0.3346	0.5054	-0.269	-0.0051	-0.0573
Base	176	173	PP	0.2629	-1.661E-05	0.9666	-5.164E-06	0.0076	5.646E-07
Base	176	173	CA	0.061	-1.175E-06	0.279	5.637E-06	0.0011	-9.6E-07
Base	176	173	CV	0.0283	-1.093E-05	0.1369	-1.236E-05	0.0005	1.841E-06
Base	176	173	SX Max	1.5416	0.0645	4.217	0.0399	0.0681	0.007
Base	176	173	SY Max	0.0309	0.5565	0.0644	0.4196	0.0014	0.0713
Base	176	173	CIM1	0.3533	-3.092E-05	1.4067	-1.171E-05	0.0091	1.466E-06
Base	176	173	CIM2 Max	1.6605	0.0567	4.9767	0.0351	0.0656	0.0062
Base	176	173	CIM2 Min	-1.0327	-0.0567	-2.4431	-0.0351	-0.0513	-0.0062
Base	176	173	CIM3 Max	0.3511	0.4914	1.3245	0.3695	0.0098	0.0626
Base	176	173	CIM3 Min	0.2967	-0.4915	1.2111	-0.3694	0.0075	-0.0626
Base	176	173	CIM4 Max	1.3634	0.0425	4.1552	0.0263	0.054	0.0046
Base	176	173	CIM4 Min	-0.6715	-0.0426	-1.4112	-0.0263	-0.036	-0.0046
Base	176	173	CIM5 Max	0.3663	0.3666	1.4145	0.2771	0.0099	0.0471
Base	176	173	CIM5 Min	0.3255	-0.3666	1.3295	-0.2771	0.0061	-0.0471
Base	176	173	CIM6 Max	1.5509	0.0567	4.4716	0.0351	0.0652	0.0062
Base	176	173	CIM6 Min	-1.1622	-0.0567	-2.9502	-0.0351	-0.0546	-0.0062
Base	176	173	CIM7 Max	0.2215	0.4914	0.6174	0.3695	0.0064	0.0626
Base	176	173	CIM7 Min	0.1672	-0.4915	0.704	-0.3694	0.004	-0.0626
Base	179	174	PP	-0.1604	0.001	0.7149	0.0007	-0.0027	0.0001
Base	179	174	CA	0.0017	-0.0005	0.0601	0.0007	0.0019	0.0001
Base	179	174	CV	-0.0056	-0.0011	0.0491	0.0011	0.0007	0.0002
Base	179	174	SX Max	0.6135	0.06	2.4575	0.0295	0.0305	0.007
Base	179	174	SY Max	0.4415	0.3664	1.1301	0.1734	0.0135	0.0391
Base	179	174	CIM1	-0.1845	-0.0006	0.6241	0.0024	-0.0002	0.0004
Base	179	174	CIM2 Max	0.5372	0.0709	2.9376	0.0273	0.026	0.0064
Base	179	174	CIM2 Min	-0.8946	-0.0699	-1.3676	-0.0246	-0.0277	-0.0059
Base	179	174	CIM3 Max	0.2096	0.323	1.7695	0.1539	0.011	0.0346
Base	179	174	CIM3 Min	-0.5672	-0.3219	-0.2195	-0.1513	-0.0127	-0.0342
Base	179	174	CIM4 Max	0.3539	0.0525	2.4336	0.0216	0.0196	0.005
Base	179	174	CIM4 Min	-0.72	-0.0531	-0.6102	-0.0173	-0.0204	-0.0042
Base	179	174	CIM5 Max	0.1064	0.2415	1.5577	0.1166	0.0056	0.0262
Base	179	174	CIM5 Min	-0.4745	-0.2422	0.0659	-0.1123	-0.0092	-0.0254
Base	179	174	CIM6 Max	0.6067	0.0707	2.6276	0.0267	0.0263	0.0063
Base	179	174	CIM6 Min	-0.8231	-0.0701	-1.6976	-0.0251	-0.0273	-0.006
Base	179	174	CIM7 Max	0.2613	0.3227	1.4595	0.1534	0.0113	0.0345

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	179	174	CIM7 Min	-0.4958	-0.3221	-0.5295	-0.1516	-0.0124	-0.0343
Base	180	175	PP	0.2237	0.0011	0.862	0.0006	0.0051	-0.0001
Base	180	175	CA	0.0424	0.0033	0.1656	0.002	-0.001	-0.0002
Base	180	175	CV	0.0193	0.0017	0.0791	0.0011	-0.0006	-0.0001
Base	180	175	SX Max	1.2475	0.1525	3.5846	0.1029	0.0516	0.0192
Base	180	175	SY Max	0.1614	0.4921	0.3169	0.3328	0.0064	0.0621
Base	180	175	CIM1	0.2655	0.0061	1.1069	0.0037	0.0034	-0.0004
Base	180	175	CIM2 Max	1.3639	0.1386	4.1625	0.0932	0.0495	0.0166
Base	180	175	CIM2 Min	-0.5316	-0.1299	-2.1268	-0.066	-0.0413	-0.0172
Base	180	175	CIM3 Max	0.4062	0.4374	1.3067	0.2955	0.0096	0.0543
Base	180	175	CIM3 Min	0.1241	-0.4287	0.749	-0.2902	-0.0016	-0.055
Base	180	175	CIM4 Max	1.104	0.1063	3.4531	0.0713	0.0376	0.0123
Base	180	175	CIM4 Min	-0.5427	-0.0951	-1.2769	-0.0645	-0.0304	-0.0131
Base	180	175	CIM5 Max	0.3672	0.3304	1.2863	0.223	0.0079	0.0406
Base	180	175	CIM5 Min	0.1741	-0.3192	0.676	-0.2162	-0.0006	-0.0414
Base	180	175	CIM6 Max	1.2575	0.1366	3.7714	0.0921	0.0478	0.0167
Base	180	175	CIM6 Min	-0.9361	-0.1316	-2.535	-0.069	-0.0429	-0.0171
Base	180	175	CIM7 Max	0.3017	0.4357	0.6955	0.2944	0.0051	0.0545
Base	180	175	CIM7 Min	0.0177	-0.4305	0.3379	-0.2913	-0.0032	-0.0548
Base	182	176	PP	0.1507	-2.366E-05	0.6316	-1.624E-05	0.0009	3.059E-06
Base	182	176	CA	-0.0616	0.0001	-0.0217	4.29E-05	-0.0006	-6.547E-06
Base	182	176	CV	-0.0336	1.519E-05	-0.0156	5.648E-06	-0.0035	-5.091E-07
Base	182	176	SX Max	0.9762	0.1938	2.7041	0.0904	0.0357	0.0213
Base	182	176	SY Max	0.0355	0.2602	0.0796	0.1217	0.0015	0.0291
Base	182	176	CIM1	0.0552	0.0001	0.594	3.051E-05	-0.0092	-3.997E-06
Base	182	176	CIM2 Max	0.9499	0.1706	2.9695	0.0796	0.0257	0.0167
Base	182	176	CIM2 Min	-0.7716	-0.1705	-1.7696	-0.0795	-0.0372	-0.0166
Base	182	176	CIM3 Max	0.1203	0.2466	0.6799	0.1071	-0.0044	0.0256
Base	182	176	CIM3 Min	0.0576	-0.2465	0.5396	-0.1071	-0.007	-0.0257
Base	182	176	CIM4 Max	0.7093	0.126	2.3627	0.0597	0.0152	0.0141
Base	182	176	CIM4 Min	-0.5819	-0.1276	-1.1667	-0.0596	-0.0319	-0.0141
Base	182	176	CIM5 Max	0.0671	0.165	0.6505	0.0604	-0.0074	0.0192
Base	182	176	CIM5 Min	0.0402	-0.1649	0.5455	-0.0603	-0.0093	-0.0192
Base	182	176	CIM6 Max	0.9143	0.1706	2.7455	0.0796	0.026	0.0167
Base	182	176	CIM6 Min	-0.8074	-0.1705	-2.0137	-0.0795	-0.0349	-0.0166
Base	182	176	CIM7 Max	0.0847	0.2466	0.4359	0.1071	-0.0021	0.0256
Base	182	176	CIM7 Min	0.0222	-0.2466	0.2959	-0.1071	-0.0047	-0.0257
Base	186	178	PP	-0.0003	-0.233	0.6626	0.0062	-0.0002	-3.959E-05
Base	186	178	CA	-0.0006	-0.0267	0.1232	0.0005	-0.0006	-0.0001
Base	186	178	CV	-0.0004	-0.0066	0.0494	3.35E-05	-0.0003	-0.0001
Base	186	178	SX Max	0.579	0.1664	0.4601	0.0066	0.4113	0.0757
Base	186	178	SY Max	0.0499	1.3024	3.7231	0.0527	0.02	0.0042
Base	186	178	CIM1	-0.0015	-0.2686	1.0354	0.0067	-0.0011	-0.0002
Base	186	178	CIM2 Max	0.5065	-0.1132	1.4065	0.0125	0.3612	0.0664
Base	186	178	CIM2 Min	-0.5106	-0.4062	0.5635	0.0006	-0.3626	-0.0667

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	166	176	CIM3 Max	0.0426	0.6664	4.2624	0.053	0.0166	0.0035
Base	166	176	CIM3 Min	-0.045	-1.4056	-2.2903	-0.0397	-0.0164	-0.0036
Base	166	176	CIM4 Max	0.3606	-0.1565	1.34	0.0111	0.2704	0.0496
Base	166	176	CIM4 Min	-0.3835	-0.3762	0.7062	0.0023	-0.2725	-0.0501
Base	166	176	CIM5 Max	0.0316	0.5932	3.4603	0.0415	0.0122	0.0026
Base	166	176	CIM5 Min	-0.0343	-1.1259	-1.4342	-0.0261	-0.0143	-0.0029
Base	166	176	CIM6 Max	0.5069	-0.0094	1.0141	0.0096	0.3615	0.0665
Base	166	176	CIM6 Min	-0.5102	-0.3023	0.1691	-0.0019	-0.3624	-0.0667
Base	166	176	CIM7 Max	0.0433	0.9903	3.866	0.0504	0.0172	0.0036
Base	166	176	CIM7 Min	-0.0445	-1.3019	-2.6647	-0.0424	-0.0161	-0.0036
Base	167	179	PP	-0.1533	0.1165	1.6216	-0.0073	-0.0036	-0.0002
Base	167	179	CA	-0.0369	0.0339	0.2032	-0.002	-0.0032	-4.942E-05
Base	167	179	CV	-0.021	0.0227	0.1162	-0.0014	-0.0017	-3.579E-05
Base	167	179	SX Max	0.4111	0.1678	1.3561	0.0142	0.063	0.0006
Base	167	179	SY Max	0.0668	1.2836	2.3454	0.1	0.0115	0.0027
Base	167	179	CIM1	-0.2133	0.175	2.1432	-0.0106	-0.0064	-0.0003
Base	167	179	CIM2 Max	0.1686	0.3176	3.2163	0.0032	0.0467	0.0003
Base	167	179	CIM2 Min	-0.5541	-0.0129	0.6317	-0.0219	-0.0622	-0.0007
Base	167	179	CIM3 Max	-0.1159	1.2807	4.069	0.0786	0.0034	0.0021
Base	167	179	CIM3 Min	-0.2656	-0.956	-0.039	-0.0873	-0.0169	-0.0026
Base	167	179	CIM4 Max	0.0633	0.2933	3.0067	-0.001	0.0336	0.0001
Base	167	179	CIM4 Min	-0.4794	0.0454	1.2167	-0.0196	-0.0496	-0.0006
Base	167	179	CIM5 Max	-0.1506	1.0231	3.6616	0.0556	-0.0004	0.0015
Base	167	179	CIM5 Min	-0.2653	-0.6844	0.5657	-0.0764	-0.0156	-0.002
Base	167	179	CIM6 Max	0.2464	0.2567	2.4063	0.0069	0.0514	0.0003
Base	167	179	CIM6 Min	-0.4772	-0.0739	0.0217	-0.0161	-0.0595	-0.0006
Base	167	179	CIM7 Max	-0.039	1.2296	3.279	0.0624	0.0061	0.0022
Base	167	179	CIM7 Min	-0.1917	-1.047	-0.849	-0.0936	-0.0142	-0.0025
Base	169	181	PP	-0.0062	-0.2276	0.6637	0.0059	-0.0056	-0.001
Base	169	181	CA	-0.0209	-0.0262	0.1391	0.0002	-0.0167	-0.0034
Base	169	181	CV	-0.011	-0.0086	0.056	-0.0001	-0.0096	-0.0018
Base	169	181	SX Max	0.5786	0.1494	0.4277	0.006	0.4168	0.0766
Base	169	181	SY Max	0.0675	1.2592	3.6362	0.0509	0.026	0.0055
Base	169	181	CIM1	-0.0361	-0.2624	1.0607	0.006	-0.034	-0.0062
Base	169	181	CIM2 Max	0.462	-0.1223	1.3791	0.0113	0.3443	0.0632
Base	169	181	CIM2 Min	-0.5363	-0.3552	0.6263	0.0006	-0.3926	-0.072
Base	169	181	CIM3 Max	0.0322	0.6543	4.2025	0.0509	-0.0013	0.0004
Base	169	181	CIM3 Min	-0.0865	-1.3616	-2.1971	-0.0366	-0.0471	-0.0092
Base	169	181	CIM4 Max	0.3465	-0.1616	1.3265	0.0099	0.2446	0.0449
Base	169	181	CIM4 Min	-0.4172	-0.3586	0.7639	0.0021	-0.306	-0.0565
Base	169	181	CIM5 Max	0.0092	0.5705	3.446	0.0396	-0.0144	-0.0022
Base	169	181	CIM5 Min	-0.0799	-1.0913	-1.3537	-0.0276	-0.0456	-0.0094
Base	169	181	CIM6 Max	0.4929	-0.0206	0.976	0.0089	0.354	0.0649
Base	169	181	CIM6 Min	-0.5254	-0.2637	0.2252	-0.0016	-0.3631	-0.0703
Base	169	181	CIM7 Max	0.0431	0.9556	3.8015	0.0465	0.0064	0.0022

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	189	161	CIM7 Min	-0.0757	-1.2603	-2.5982	-0.0412	-0.0374	-0.0075
Base	190	162	PP	0.1557	0.2403	1.4436	-0.006	0.0025	0.0002
Base	190	162	CA	0.0386	0.039	0.2072	-0.0022	0.0014	-2.355E-05
Base	190	162	CV	0.0207	0.0252	0.1225	-0.0014	0.0006	2.504E-06
Base	190	162	SX Max	0.3036	0.1522	1.1572	0.0131	0.0504	0.0021
Base	190	162	SY Max	0.1509	1.1639	3.5724	0.0697	0.0149	0.0034
Base	190	162	CIM1	0.215	0.3044	1.7733	-0.0116	0.0045	0.0002
Base	190	162	CIM2 Max	0.4614	0.4132	2.6691	0.0014	0.0463	0.002
Base	190	162	CIM2 Min	-0.0726	0.1453	0.6324	-0.0217	-0.0404	-0.0017
Base	190	162	CIM3 Max	0.3535	1.3035	4.7844	0.0511	0.017	0.0031
Base	190	162	CIM3 Min	0.0351	-0.745	-1.493	-0.0715	-0.0092	-0.0026
Base	190	162	CIM4 Max	0.4102	0.3966	2.5064	-0.0026	0.0376	0.0015
Base	190	162	CIM4 Min	0.0095	0.1977	0.9769	-0.0199	-0.0269	-0.0012
Base	190	162	CIM5 Max	0.3293	1.0663	4.1004	0.0347	0.0142	0.0024
Base	190	162	CIM5 Min	0.0904	-0.4701	-0.6151	-0.0572	-0.0054	-0.0021
Base	190	162	CIM6 Max	0.3637	0.3015	2.0086	0.0054	0.0467	0.0019
Base	190	162	CIM6 Min	-0.1506	0.0336	-0.0279	-0.0177	-0.042	-0.0016
Base	190	162	CIM7 Max	0.2756	1.1916	4.1342	0.0552	0.0154	0.0031
Base	190	162	CIM7 Min	-0.0427	-0.6567	-2.1533	-0.0674	-0.0106	-0.0029
Base	191	542	PP	0.0003	0.2124	0.6525	-0.004	-0.0003	4.666E-05
Base	191	542	CA	-0.0001	0.026	0.0665	-0.0007	-0.0004	0.0001
Base	191	542	CV	-4.151E-05	0.0169	0.0463	-0.0005	-0.0002	4.267E-05
Base	191	542	SX Max	0.1616	0.1739	0.4516	0.0042	0.0571	0.0156
Base	191	542	SY Max	0.0641	0.9571	2.6373	0.03	0.0252	0.007
Base	191	542	CIM1	0.0001	0.2592	0.7653	-0.0052	-0.0009	0.0002
Base	191	542	CIM2 Max	0.1601	0.3933	1.1164	-0.0011	0.0496	0.014
Base	191	542	CIM2 Min	-0.1596	0.0573	0.3216	-0.0064	-0.0509	-0.0137
Base	191	542	CIM3 Max	0.0742	1.1069	3.0396	0.0217	0.0215	0.0063
Base	191	542	CIM3 Min	-0.0736	-0.6263	-1.6016	-0.0311	-0.0226	-0.0061
Base	191	542	CIM4 Max	0.1201	0.3692	1.0516	-0.0023	0.0369	0.0106
Base	191	542	CIM4 Min	-0.1196	0.1397	0.4557	-0.0076	-0.0365	-0.0102
Base	191	542	CIM5 Max	0.0557	0.9059	2.4943	0.0147	0.0156	0.0045
Base	191	542	CIM5 Min	-0.0554	-0.397	-0.9569	-0.0249	-0.0174	-0.0045
Base	191	542	CIM6 Max	0.1601	0.2972	0.8266	0.0008	0.0496	0.0139
Base	191	542	CIM6 Min	-0.1596	-0.0056	0.034	-0.0065	-0.0506	-0.0136
Base	191	542	CIM7 Max	0.0741	1.0126	2.7522	0.0236	0.0215	0.0063
Base	191	542	CIM7 Min	-0.0739	-0.7244	-1.8694	-0.0292	-0.0226	-0.0061
Base	195	163	PP	-0.1334	0.0022	0.5309	-0.0016	-0.0006	-0.0004
Base	195	163	CA	0.0066	0.0065	-2.821E-05	-0.003	0.0013	-0.0006
Base	195	163	CV	0.002	0.0045	0.006	-0.0016	0.0006	-0.0004
Base	195	163	SX Max	0.5794	0.1734	1.6676	0.0557	0.0207	0.0153
Base	195	163	SY Max	0.4661	0.1272	1.3316	0.0414	0.0068	0.0113
Base	195	163	CIM1	-0.1226	0.0151	0.5369	-0.0061	0.0013	-0.0016
Base	195	163	CIM2 Max	0.3653	0.1633	1.9965	0.0445	0.0189	0.0123
Base	195	163	CIM2 Min	-0.6345	-0.1419	-0.9366	-0.0535	-0.0175	-0.0147

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	195	183	CIM3 Max	0.2656	0.1226	1.7026	0.0319	0.0054	0.0066
Base	195	183	CIM3 Min	-0.5347	-0.1013	-0.6409	-0.041	-0.0071	-0.0111
Base	195	183	CIM4 Max	0.2593	0.1264	1.6376	0.031	0.0146	0.0066
Base	195	183	CIM4 Min	-0.5055	-0.1004	-0.5639	-0.0425	-0.0125	-0.0116
Base	195	183	CIM5 Max	0.1645	0.096	1.4157	0.0216	0.007	0.006
Base	195	183	CIM5 Min	-0.4307	-0.07	-0.342	-0.0331	-0.0047	-0.009
Base	195	183	CIM6 Max	0.4352	0.159	1.7662	0.0463	0.0166	0.0126
Base	195	183	CIM6 Min	-0.5646	-0.1462	-1.1492	-0.0517	-0.0176	-0.0142
Base	195	183	CIM7 Max	0.3354	0.1163	1.4903	0.0337	0.0062	0.0093
Base	195	183	CIM7 Min	-0.4849	-0.1055	-0.8533	-0.0392	-0.0074	-0.0107
Base	196	184	PP	0.1377	-0.0001	0.5403	-0.0004	0.001	0.0001
Base	196	184	CA	-0.0157	0.0001	-0.0143	-0.0001	-0.0014	3.099E-05
Base	196	184	CV	-0.0079	2.926E-05	-0.0069	-0.0001	-0.0007	2.056E-05
Base	196	184	SX Max	0.7127	0.2037	1.9235	0.0624	0.0253	0.0173
Base	196	184	SY Max	0.2705	0.0536	0.7412	0.0263	0.0067	0.0077
Base	196	184	CIM1	0.114	-1.061E-05	0.5191	-0.0006	-0.0011	0.0001
Base	196	184	CIM2 Max	0.7491	0.1792	2.2167	0.0544	0.0219	0.0154
Base	196	184	CIM2 Min	-0.5052	-0.1793	-1.1667	-0.0554	-0.0226	-0.0152
Base	196	184	CIM3 Max	0.36	0.0737	1.1763	0.0244	0.0056	0.0069
Base	196	184	CIM3 Min	-0.1161	-0.0736	-0.1262	-0.0254	-0.0063	-0.0067
Base	196	184	CIM4 Max	0.5864	0.1344	1.7904	0.0406	0.0158	0.0116
Base	196	184	CIM4 Min	-0.3544	-0.1344	-0.7457	-0.0416	-0.0176	-0.0113
Base	196	184	CIM5 Max	0.2946	0.0553	1.01	0.0161	0.0035	0.0052
Base	196	184	CIM5 Min	-0.0625	-0.0553	0.0317	-0.0192	-0.0054	-0.005
Base	196	184	CIM6 Max	0.7004	0.1792	2.0063	0.0546	0.0221	0.0153
Base	196	184	CIM6 Min	-0.554	-0.1792	-1.3771	-0.0552	-0.0225	-0.0152
Base	196	184	CIM7 Max	0.3112	0.0737	0.9676	0.0246	0.0057	0.0068
Base	196	184	CIM7 Min	-0.1649	-0.0737	-0.3366	-0.0252	-0.0062	-0.0067
Base	197	185	PP	0.0037	-0.0014	2.6194	0.0016	0.0043	-1.963E-06
Base	197	185	CA	0.0115	-0.0051	0.5757	0.0062	0.0139	-1.062E-05
Base	197	185	CV	0.006	-0.0026	0.303	0.003	0.0069	-5.821E-06
Base	197	185	SX Max	0.056	0.002	0.0006	0.0074	0.2072	0.0003
Base	197	185	SY Max	0.0014	0.0197	0.0001	0.0727	0.0053	0.0003
Base	197	185	CIM1	0.0211	-0.0091	3.4961	0.0108	0.0251	-1.843E-05
Base	197	185	CIM2 Max	0.0645	-0.0047	3.1956	0.0143	0.2005	0.0003
Base	197	185	CIM2 Min	-0.0341	-0.0082	3.1944	0.0014	-0.1641	-0.0003
Base	197	185	CIM3 Max	0.0164	0.0106	3.1951	0.0716	0.0229	0.0002
Base	197	185	CIM3 Min	0.0139	-0.0236	3.195	-0.0561	0.0135	-0.0002
Base	197	185	CIM4 Max	0.0566	-0.0071	3.4226	0.0149	0.1601	0.0002
Base	197	185	CIM4 Min	-0.0173	-0.0096	3.4216	0.0052	-0.1133	-0.0002
Base	197	185	CIM5 Max	0.0206	0.0046	3.4224	0.0561	0.0269	0.0002
Base	197	185	CIM5 Min	0.0167	-0.0214	3.4223	-0.0379	0.0199	-0.0002
Base	197	185	CIM6 Max	0.0564	-0.0021	1.9177	0.0112	0.1932	0.0003
Base	197	185	CIM6 Min	-0.0402	-0.0057	1.9163	-0.0016	-0.1714	-0.0003
Base	197	185	CIM7 Max	0.0104	0.0134	1.9171	0.0667	0.0156	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	197	165	CIM7 Min	0.0079	-0.0212	1.917	-0.0592	0.0063	-0.0002
Base	198	166	PP	-0.0072	-0.002	2.6152	0.0023	-0.0067	-1.963E-06
Base	198	166	CA	-0.0243	-0.0069	0.5642	0.0065	-0.0291	-1.062E-05
Base	198	166	CV	-0.0129	-0.0036	0.2966	0.0042	-0.0157	-5.821E-06
Base	198	166	SX Max	0.0561	0.0016	0.0011	0.0067	0.2072	0.0003
Base	198	166	SY Max	0.0014	0.0196	0.0002	0.0732	0.0053	0.0003
Base	198	166	CIM1	-0.0444	-0.0125	3.4792	0.0149	-0.0535	-1.643E-05
Base	198	166	CIM2 Max	0.0176	-0.0073	3.1634	0.0166	0.1445	0.0003
Base	198	166	CIM2 Min	-0.0809	-0.0105	3.1614	0.0049	-0.2201	-0.0003
Base	198	166	CIM3 Max	-0.0303	0.0056	3.1625	0.0751	-0.0332	0.0002
Base	198	166	CIM3 Min	-0.0326	-0.0263	3.1622	-0.0536	-0.0424	-0.0002
Base	198	166	CIM4 Max	-0.0042	-0.0104	3.4657	0.0163	0.0672	0.0002
Base	198	166	CIM4 Min	-0.0762	-0.0126	3.4043	0.0095	-0.1663	-0.0002
Base	198	166	CIM5 Max	-0.0403	0.0015	3.4651	0.0622	-0.0461	0.0002
Base	198	166	CIM5 Min	-0.0421	-0.0246	3.4049	-0.0344	-0.0531	-0.0002
Base	198	166	CIM6 Max	0.0304	-0.0037	1.9104	0.0123	0.1597	0.0003
Base	198	166	CIM6 Min	-0.0663	-0.0069	1.9085	0.0006	-0.205	-0.0003
Base	198	166	CIM7 Max	-0.0177	0.0121	1.9096	0.0706	-0.018	0.0002
Base	198	166	CIM7 Min	-0.0202	-0.0226	1.9093	-0.0579	-0.0273	-0.0002
Base	199	167	PP	0.0073	4.649E-05	2.642	-0.0002	0.0067	-1.963E-06
Base	199	167	CA	0.0246	-1.602E-05	0.6501	0.0001	0.0295	-1.062E-05
Base	199	167	CV	0.0129	0.0001	0.3422	-0.0003	0.0151	-5.821E-06
Base	199	167	SX Max	0.0559	0.002	0.0012	0.0074	0.207	0.0003
Base	199	167	SY Max	0.0016	0.0196	0.0001	0.0726	0.0065	0.0003
Base	199	167	CIM1	0.0446	0.0001	3.6343	-0.0004	0.0534	-1.643E-05
Base	199	167	CIM2 Max	0.0612	0.0016	3.2931	0.0064	0.2205	0.0003
Base	199	167	CIM2 Min	-0.0173	-0.0017	3.2911	-0.0066	-0.1439	-0.0003
Base	199	167	CIM3 Max	0.0335	0.0173	3.2922	0.0637	0.044	0.0002
Base	199	167	CIM3 Min	0.0304	-0.0172	3.2921	-0.064	0.0326	-0.0002
Base	199	167	CIM4 Max	0.0765	0.0014	3.5495	0.0045	0.1563	0.0002
Base	199	167	CIM4 Min	0.0047	-0.0012	3.545	-0.0052	-0.057	-0.0002
Base	199	167	CIM5 Max	0.0426	0.013	3.5466	0.0476	0.0539	0.0002
Base	199	167	CIM5 Min	0.0404	-0.0129	3.5467	-0.0452	0.0453	-0.0002
Base	199	167	CIM6 Max	0.0664	0.0016	1.9763	0.0064	0.2052	0.0003
Base	199	167	CIM6 Min	-0.03	-0.0017	1.9742	-0.0065	-0.1592	-0.0003
Base	199	167	CIM7 Max	0.0207	0.0173	1.9753	0.0638	0.0267	0.0002
Base	199	167	CIM7 Min	0.0176	-0.0172	1.9752	-0.0639	0.0172	-0.0002
Base	200	169	PP	-0.0097	4.976E-05	2.653	-0.0002	-0.0117	-1.963E-06
Base	200	169	CA	-0.0329	-1.103E-05	0.6553	4.065E-05	-0.0395	-1.062E-05
Base	200	169	CV	-0.0174	0.0001	0.3607	-0.0003	-0.0212	-5.821E-06
Base	200	169	SX Max	0.056	0.0016	0.0006	0.0066	0.2072	0.0003
Base	200	169	SY Max	0.0017	0.0196	0.0001	0.0731	0.0065	0.0003
Base	200	169	CIM1	-0.0601	0.0001	3.699	-0.0004	-0.0724	-1.643E-05
Base	200	169	CIM2 Max	0.0066	0.0016	3.3369	0.0057	0.1311	0.0003
Base	200	169	CIM2 Min	-0.092	-0.0015	3.3376	-0.006	-0.2335	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	200	169	CIM3 Max	-0.0411	0.0174	3.3364	0.0642	-0.0455	0.0002
Base	200	169	CIM3 Min	-0.0442	-0.0173	3.3363	-0.0645	-0.0569	-0.0002
Base	200	169	CIM4 Max	-0.0166	0.0013	3.6093	0.004	0.0697	0.0002
Base	200	169	CIM4 Min	-0.0927	-0.0011	3.6065	-0.0047	-0.2036	-0.0002
Base	200	169	CIM5 Max	-0.0546	0.0131	3.6089	0.0479	-0.0626	0.0002
Base	200	169	CIM5 Min	-0.0569	-0.0129	3.6066	-0.0466	-0.0713	-0.0002
Base	200	169	CIM6 Max	0.0237	0.0016	2.0035	0.0056	0.1516	0.0003
Base	200	169	CIM6 Min	-0.0749	-0.0016	2.0025	-0.0059	-0.2131	-0.0003
Base	200	169	CIM7 Max	-0.0241	0.0174	2.0031	0.0642	-0.025	0.0002
Base	200	169	CIM7 Min	-0.0271	-0.0174	2.003	-0.0644	-0.0364	-0.0002
Base	173	191	PP	-0.2654	0.0516	2.5673	-0.0053	-0.0119	-4.233E-05
Base	173	191	CA	-0.0259	-0.1216	0.4376	-0.0019	-0.0012	0.0002
Base	173	191	CV	-0.0169	-0.0551	0.2453	-0.0016	-0.0006	0.0001
Base	173	191	SX Max	1.7034	0.3573	4.632	0.024	0.1471	0.0005
Base	173	191	SY Max	0.0501	2.2193	1.4503	0.1583	0.0055	0.0031
Base	173	191	CIM1	-0.3062	-0.1251	3.2503	-0.0066	-0.0139	0.0003
Base	173	191	CIM2 Max	1.2077	0.2445	7.0612	0.0139	0.1164	0.0006
Base	173	191	CIM2 Min	-1.7802	-0.3544	-1.0711	-0.0263	-0.1425	-0.0003
Base	173	191	CIM3 Max	-0.2472	1.663	4.2613	0.1321	-0.0052	0.0029
Base	173	191	CIM3 Min	-0.3353	-2.0229	1.7266	-0.1465	-0.0179	-0.0026
Base	173	191	CIM4 Max	0.8203	0.1245	6.2462	0.0074	0.0834	0.0006
Base	173	191	CIM4 Min	-1.4262	-0.3471	0.1319	-0.0242	-0.1106	-0.0001
Base	173	191	CIM5 Max	-0.2709	1.3534	4.1462	0.0961	-0.01	0.0023
Base	173	191	CIM5 Min	-0.337	-1.576	2.2316	-0.1129	-0.0173	-0.0018
Base	173	191	CIM6 Max	1.3242	0.2725	5.6792	0.0166	0.1217	0.0006
Base	173	191	CIM6 Min	-1.6737	-0.3564	-2.2732	-0.0254	-0.1373	-0.0004
Base	173	191	CIM7 Max	-0.1307	1.911	3.0793	0.135	-0.0029	0.0029
Base	173	191	CIM7 Min	-0.2166	-1.9949	0.5266	-0.1437	-0.0127	-0.0027
Base	174	192	PP	-0.2565	-0.2636	1.8723	0.0101	-0.0096	9.692E-06
Base	174	192	CA	-0.0165	-0.0417	0.1406	0.0024	-0.001	0.0001
Base	174	192	CV	-0.0127	-0.0162	0.0676	0.0009	-0.0007	5.368E-06
Base	174	192	SX Max	1.6155	0.2202	4.519	0.0267	0.1152	0.0046
Base	174	192	SY Max	0.0549	1.4055	3.7195	0.0953	0.0132	0.0034
Base	174	192	CIM1	-0.2677	-0.3215	2.0607	0.0133	-0.0115	0.0001
Base	174	192	CIM2 Max	1.1466	-0.1116	5.9696	0.036	0.0906	0.0041
Base	174	192	CIM2 Min	-1.6966	-0.4992	-1.9637	-0.0111	-0.1121	-0.004
Base	174	192	CIM3 Max	-0.2002	0.9315	5.2662	0.099	0.0009	0.0031
Base	174	192	CIM3 Min	-0.3497	-1.5423	-1.2602	-0.0741	-0.0224	-0.003
Base	174	192	CIM4 Max	0.7617	-0.1722	5.0463	0.0307	0.0646	0.0031
Base	174	192	CIM4 Min	-1.3506	-0.4626	-0.9166	-0.0045	-0.0673	-0.003
Base	174	192	CIM5 Max	-0.2265	0.6102	4.5166	0.076	-0.0025	0.0023
Base	174	192	CIM5 Min	-0.3406	-1.2452	-0.3911	-0.0516	-0.02	-0.0022
Base	174	192	CIM6 Max	1.2566	0.0106	5.1846	0.031	0.0949	0.0041
Base	174	192	CIM6 Min	-1.5866	-0.377	-2.7669	-0.0161	-0.1076	-0.004
Base	174	192	CIM7 Max	-0.0902	1.0537	4.461	0.094	0.0052	0.0031

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	174	192	CIM7 Min	-0.2397	-1.4201	-2.0654	-0.079	-0.0161	-0.003
Base	161	193	PP	0.191	-4.698E-06	0.7799	-8.156E-06	0.0037	1.452E-06
Base	161	193	CA	0.0367	7.213E-06	0.1546	3.378E-06	0.0001	-5.342E-07
Base	161	193	CV	0.0194	-5.624E-06	0.0775	-1.234E-05	1.249E-05	2.214E-06
Base	161	193	SX Max	0.5699	0.0078	1.9565	0.0056	0.026	0.0011
Base	161	193	SY Max	0.015	0.2428	0.0517	0.2572	0.0007	0.046
Base	161	193	CIM1	0.249	-3.108E-06	1.0126	-1.712E-05	0.0035	3.132E-06
Base	161	193	CIM2 Max	0.7467	0.0066	2.6565	0.0049	0.0267	0.0009
Base	161	193	CIM2 Min	-0.2894	-0.0066	-0.767	-0.005	-0.0191	-0.0009
Base	161	193	CIM3 Max	0.2429	0.2137	0.9502	0.2263	0.0043	0.0423
Base	161	193	CIM3 Min	0.2165	-0.2137	0.8693	-0.2263	0.0032	-0.0423
Base	161	193	CIM4 Max	0.6335	0.0051	2.2644	0.0037	0.0209	0.0007
Base	161	193	CIM4 Min	-0.1451	-0.0051	-0.2952	-0.0037	-0.0134	-0.0007
Base	161	193	CIM5 Max	0.2541	0.1603	1.0272	0.1697	0.0042	0.0317
Base	161	193	CIM5 Min	0.2343	-0.1603	0.959	-0.1697	0.0033	-0.0317
Base	161	193	CIM6 Max	0.6569	0.0066	2.2626	0.0049	0.0251	0.0009
Base	161	193	CIM6 Min	-0.3513	-0.0066	-1.1609	-0.005	-0.0206	-0.0009
Base	161	193	CIM7 Max	0.151	0.2137	0.6063	0.2263	0.0026	0.0423
Base	161	193	CIM7 Min	0.1246	-0.2137	0.5154	-0.2263	0.0017	-0.0423
Base	163	194	PP	-0.1903	-5.911E-06	0.7794	-7.72E-06	-0.0036	-1.353E-06
Base	163	194	CA	-0.0355	1.05E-06	0.1496	5.594E-06	0.0001	1.04E-06
Base	163	194	CV	-0.0197	-8.988E-06	0.0824	-1.113E-05	-5.937E-06	-1.936E-06
Base	163	194	SX Max	0.5697	0.0077	1.9566	0.0057	0.0259	0.0011
Base	163	194	SY Max	0.0149	0.2429	0.0513	0.2572	0.0007	0.046
Base	163	194	CIM1	-0.2455	-1.385E-05	1.0115	-1.326E-05	-0.0036	-2.251E-06
Base	163	194	CIM2 Max	0.2931	0.0066	2.6509	0.005	0.0193	0.0009
Base	163	194	CIM2 Min	-0.7445	-0.0066	-0.7927	-0.005	-0.0264	-0.0009
Base	163	194	CIM3 Max	-0.2127	0.2136	0.9742	0.2263	-0.003	0.0423
Base	163	194	CIM3 Min	-0.239	-0.2136	0.8839	-0.2263	-0.0041	-0.0423
Base	163	194	CIM4 Max	0.1467	0.0051	2.2622	0.0037	0.0136	0.0007
Base	163	194	CIM4 Min	-0.6296	-0.0051	-0.3005	-0.0037	-0.0207	-0.0007
Base	163	194	CIM5 Max	-0.2307	0.1603	1.0247	0.1697	-0.0031	0.0317
Base	163	194	CIM5 Min	-0.2504	-0.1603	0.957	-0.1696	-0.004	-0.0317
Base	163	194	CIM6 Max	0.3635	0.0066	2.2792	0.005	0.0207	0.0009
Base	163	194	CIM6 Min	-0.6544	-0.0066	-1.1644	-0.005	-0.025	-0.0009
Base	163	194	CIM7 Max	-0.1223	0.2136	0.6026	0.2263	-0.0016	0.0423
Base	163	194	CIM7 Min	-0.1456	-0.2136	0.5123	-0.2263	-0.0027	-0.0423
Base	192	195	PP	0.0002	0.2431	0.8777	-0.0065	-1.475E-05	-7.247E-07
Base	192	195	CA	0.0003	0.0161	0.1057	0.0004	-0.0001	1.795E-06
Base	192	195	CV	0.0002	0.0153	0.0721	-1.187E-05	-3.566E-05	2.06E-06
Base	192	195	SX Max	0.5499	0.1957	0.5377	0.0079	0.3461	0.0655
Base	192	195	SY Max	0.0618	1.3578	3.6665	0.0561	0.0411	0.0081
Base	192	195	CIM1	0.0007	0.2766	1.0556	-0.0061	-0.0001	3.133E-06
Base	192	195	CIM2 Max	0.4644	0.4362	1.4567	0.0009	0.3045	0.0576
Base	192	195	CIM2 Min	-0.4634	0.0964	0.5103	-0.013	-0.3046	-0.0576

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	192	195	CIM3 Max	0.0725	1.4625	4.356	0.0433	0.0361	0.0072
Base	192	195	CIM3 Min	-0.0715	-0.96	-2.419	-0.0554	-0.0362	-0.0072
Base	192	195	CIM4 Max	0.3636	0.4039	1.3925	-0.0009	0.2263	0.0432
Base	192	195	CIM4 Min	-0.3623	0.1416	0.6527	-0.0113	-0.2255	-0.0432
Base	192	195	CIM5 Max	0.0546	1.1667	3.5895	0.0309	0.027	0.0054
Base	192	195	CIM5 Min	-0.0534	-0.6432	-1.5143	-0.0431	-0.0272	-0.0054
Base	192	195	CIM6 Max	0.4642	0.3317	1.0633	0.0033	0.3045	0.0576
Base	192	195	CIM6 Min	-0.4636	-0.0161	0.1169	-0.0106	-0.3046	-0.0576
Base	192	195	CIM7 Max	0.0723	1.378	3.9926	0.0457	0.0361	0.0072
Base	192	195	CIM7 Min	-0.0717	-1.0645	-2.8124	-0.053	-0.0362	-0.0072
Base	170	196	PP	0.0004	0.2302	0.9102	-0.0035	-0.0002	1.336E-05
Base	170	196	CA	1.507E-05	-0.0406	0.1425	0.0124	-0.0001	1.422E-05
Base	170	196	CV	2.127E-05	-0.0155	0.0917	0.0063	-0.0001	8.762E-06
Base	170	196	SX Max	0.4913	0.3397	0.8662	0.0129	0.2576	0.0496
Base	170	196	SY Max	0.1666	1.3437	3.6766	0.0551	0.096	0.0161
Base	170	196	CIM1	0.0005	0.174	1.1444	0.0152	-0.0003	3.636E-05
Base	170	196	CIM2 Max	0.4326	0.4663	1.6343	0.0202	0.2266	0.0436
Base	170	196	CIM2 Min	-0.4319	-0.1095	0.2711	-0.0024	-0.2272	-0.0436
Base	170	196	CIM3 Max	0.147	1.3719	4.2899	0.0573	0.0842	0.0159
Base	170	196	CIM3 Min	-0.1461	-0.993	-2.1845	-0.0396	-0.0846	-0.0159
Base	170	196	CIM4 Max	0.3247	0.402	1.7077	0.0221	0.1696	0.0329
Base	170	196	CIM4 Min	-0.3236	-0.0463	0.5353	0.0051	-0.1705	-0.0326
Base	170	196	CIM5 Max	0.1104	1.0647	3.5494	0.0499	0.063	0.012
Base	170	196	CIM5 Min	-0.1095	-0.709	-1.3064	-0.0227	-0.0637	-0.0119
Base	170	196	CIM6 Max	0.4326	0.4126	1.4132	0.0167	0.2267	0.0436
Base	170	196	CIM6 Min	-0.432	-0.1652	-0.15	-0.006	-0.2271	-0.0436
Base	170	196	CIM7 Max	0.1466	1.2961	3.6656	0.0536	0.0843	0.0159
Base	170	196	CIM7 Min	-0.1463	-1.0656	-2.6056	-0.0431	-0.0847	-0.0159
Base	172	202	PP	-0.007	0.2477	0.7708	-0.005	-0.0053	0.0016
Base	172	202	CA	-0.0123	0.4111	1.1731	-0.0161	-0.0094	0.0026
Base	172	202	CV	-0.0065	0.2168	0.6192	-0.0065	-0.0049	0.0015
Base	172	202	SX Max	0.126	0.0367	0.1106	0.0013	0.1635	0.0539
Base	172	202	SY Max	0.0012	0.2295	0.6354	0.0096	0.0011	0.0003
Base	172	202	CIM1	-0.0259	0.8756	2.563	-0.0296	-0.0196	0.0059
Base	172	202	CIM2 Max	0.0933	0.6911	2.0411	-0.0199	0.1467	0.0519
Base	172	202	CIM2 Min	-0.132	0.6265	1.5465	-0.0222	-0.1761	-0.043
Base	172	202	CIM3 Max	-0.0163	0.6607	2.503	-0.0127	-0.0137	0.0047
Base	172	202	CIM3 Min	-0.0205	0.4569	1.3647	-0.0295	-0.0157	0.0041
Base	172	202	CIM4 Max	0.0602	0.5457	2.4512	-0.0266	0.1027	0.0411
Base	172	202	CIM4 Min	-0.1066	0.7972	2.3353	-0.0263	-0.1395	-0.03
Base	172	202	CIM5 Max	-0.0235	0.9729	2.5276	-0.0211	-0.0176	0.0056
Base	172	202	CIM5 Min	-0.0251	0.67	1.9569	-0.0337	-0.0192	0.0053
Base	172	202	CIM6 Max	0.101	0.4276	1.2636	-0.0115	0.1526	0.0501
Base	172	202	CIM6 Min	-0.1243	0.363	1.069	-0.0136	-0.1703	-0.0446
Base	172	202	CIM7 Max	-0.0106	0.5972	1.7254	-0.0042	-0.0076	0.003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	172	202	CIM7 Min	-0.0127	0.1934	0.6072	-0.0211	-0.0096	0.0024
Base	176	197	PP	0.0045	-0.0734	0.3096	-0.004	-0.0036	-0.0011
Base	176	197	CA	0.0076	0.2176	-0.467	-0.0163	-0.0067	-0.0019
Base	176	197	CV	0.0041	0.115	-0.2551	-0.0066	-0.0035	-0.001
Base	176	197	SX Max	0.1265	0.0367	0.1106	0.0013	0.1635	0.0539
Base	176	197	SY Max	0.0014	0.2295	0.6354	0.0096	0.0012	0.0003
Base	176	197	CIM1	0.0164	0.2592	-0.4353	-0.029	-0.0141	-0.0039
Base	176	197	CIM2 Max	0.1253	0.1765	-0.0799	-0.0192	0.151	0.0445
Base	176	197	CIM2 Min	-0.1006	0.1119	-0.2745	-0.0215	-0.172	-0.0504
Base	176	197	CIM3 Max	0.0135	0.3461	0.3819	-0.012	-0.0095	-0.0026
Base	176	197	CIM3 Min	0.011	-0.0577	-0.7363	-0.0268	-0.0116	-0.0032
Base	176	197	CIM4 Max	0.1001	0.2547	-0.2978	-0.026	0.1079	0.0319
Base	176	197	CIM4 Min	-0.0695	0.2062	-0.4436	-0.0277	-0.1343	-0.0392
Base	176	197	CIM5 Max	0.0163	0.3819	0.0485	-0.0205	-0.0124	-0.0034
Base	176	197	CIM5 Min	0.0144	0.079	-0.7901	-0.0331	-0.014	-0.0039
Base	176	197	CIM6 Max	0.1204	0.1166	-0.009	-0.0111	0.1552	0.0457
Base	176	197	CIM6 Min	-0.1057	0.0542	-0.2037	-0.0134	-0.1676	-0.0492
Base	176	197	CIM7 Max	0.0066	0.2664	0.4526	-0.0036	-0.0053	-0.0014
Base	176	197	CIM7 Min	0.0061	-0.1154	-0.6654	-0.0206	-0.0073	-0.0021
Base	204	201	PP	0.0073	0.1521	0.5444	-0.001	0.0054	-0.0015
Base	204	201	CA	0.0126	0.0596	0.1952	-0.0009	0.0095	-0.0026
Base	204	201	CV	0.0067	0.0325	0.1062	-0.0005	0.005	-0.0014
Base	204	201	SX Max	0.1497	0.0452	0.1402	0.0017	0.2039	0.054
Base	204	201	SY Max	0.0014	0.3094	0.9431	0.0126	0.0013	0.0003
Base	204	201	CIM1	0.0266	0.2444	0.6459	-0.0023	0.02	-0.0055
Base	204	201	CIM2 Max	0.1516	0.2516	0.863	-0.0003	0.1944	0.0434
Base	204	201	CIM2 Min	-0.1117	0.1721	0.6163	-0.0034	-0.1645	-0.0516
Base	204	201	CIM3 Max	0.0213	0.4642	1.5696	0.0092	0.0161	-0.0036
Base	204	201	CIM3 Min	0.0186	-0.0604	-0.0903	-0.0129	0.0136	-0.0044
Base	204	201	CIM4 Max	0.1239	0.266	0.9116	-0.0011	0.1533	0.0305
Base	204	201	CIM4 Min	-0.0737	0.2064	0.7266	-0.0034	-0.1159	-0.0406
Base	204	201	CIM5 Max	0.026	0.4405	1.4416	0.0061	0.0195	-0.0049
Base	204	201	CIM5 Min	0.0242	0.032	0.1969	-0.0105	0.0179	-0.0054
Base	204	201	CIM6 Max	0.1436	0.1669	0.5671	0.0004	0.1864	0.045
Base	204	201	CIM6 Min	-0.1197	0.0674	0.3205	-0.0026	-0.1705	-0.05
Base	204	201	CIM7 Max	0.0133	0.3994	1.2736	0.01	0.0101	-0.0022
Base	204	201	CIM7 Min	0.0106	-0.1452	-0.3661	-0.0122	0.0079	-0.0026
Base	210	205	PP	-0.0043	-0.1475	0.5316	0.0007	0.0037	0.0009
Base	210	205	CA	-0.0076	-0.0379	0.1391	-0.0003	0.0064	0.0016
Base	210	205	CV	-0.004	-0.0191	0.0705	-0.0002	0.0034	0.0006
Base	210	205	SX Max	0.1502	0.04	0.1213	0.0017	0.204	0.054
Base	210	205	SY Max	0.0015	0.2695	0.7924	0.0124	0.0013	0.0003
Base	210	205	CIM1	-0.0159	-0.2046	0.7414	0.0002	0.0135	0.0033
Base	210	205	CIM2 Max	0.1202	-0.1502	0.7776	0.0019	0.1696	0.05
Base	210	205	CIM2 Min	-0.1441	-0.2206	0.5641	-0.0011	-0.1694	-0.0451

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	210	205	CIM3 Max	-0.0106	0.0516	1.3662	0.0113	0.0112	0.0026
Base	210	205	CIM3 Min	-0.0133	-0.4226	-0.0264	-0.0105	0.009	0.0022
Base	210	205	CIM4 Max	0.0542	-0.1734	0.6036	0.0014	0.1473	0.0367
Base	210	205	CIM4 Min	-0.1141	-0.2262	0.6437	-0.0009	-0.122	-0.0326
Base	210	205	CIM5 Max	-0.0139	-0.0219	1.2466	0.0085	0.0135	0.0033
Base	210	205	CIM5 Min	-0.016	-0.3777	0.2006	-0.0079	0.0116	0.0029
Base	210	205	CIM6 Max	0.125	-0.0761	0.5093	0.0016	0.1656	0.049
Base	210	205	CIM6 Min	-0.1393	-0.1464	0.2956	-0.0013	-0.1735	-0.046
Base	210	205	CIM7 Max	-0.0056	0.1259	1.0999	0.0112	0.0072	0.0016
Base	210	205	CIM7 Min	-0.0065	-0.3484	-0.2948	-0.0107	0.0049	0.0012
Base	211	207	PP	0.0001	0.2751	1.1365	-0.0101	0.0001	-9.132E-06
Base	211	207	CA	0.0001	0.3911	1.0921	-0.0227	0.0001	-1.614E-05
Base	211	207	CV	0.0001	0.2075	0.5813	-0.0121	4.032E-05	-7.146E-06
Base	211	207	SX Max	0.3264	0.0669	0.2333	0.0043	0.3521	0.0552
Base	211	207	SY Max	0.0026	0.5006	1.6452	0.0321	0.0023	0.0004
Base	211	207	CIM1	0.0003	0.6736	2.8119	-0.0449	0.0002	-3.242E-05
Base	211	207	CIM2 Max	0.2675	0.7251	2.4359	-0.0291	0.31	0.0465
Base	211	207	CIM2 Min	-0.2671	0.6074	2.0253	-0.0366	-0.3097	-0.0466
Base	211	207	CIM3 Max	0.0025	1.1066	3.6764	-0.0046	0.0022	0.0003
Base	211	207	CIM3 Min	-0.0021	0.2257	0.7826	-0.061	-0.0019	-0.0003
Base	211	207	CIM4 Max	0.2157	0.866	2.8206	-0.0391	0.2326	0.0364
Base	211	207	CIM4 Min	-0.2152	0.7777	2.5126	-0.0447	-0.2322	-0.0364
Base	211	207	CIM5 Max	0.0019	1.1523	3.7524	-0.0207	0.0017	0.0002
Base	211	207	CIM5 Min	-0.0015	0.4915	1.5807	-0.0631	-0.0014	-0.0003
Base	211	207	CIM6 Max	0.2674	0.4566	1.5437	-0.0159	0.3099	0.0465
Base	211	207	CIM6 Min	-0.2671	0.3409	1.1331	-0.0235	-0.3096	-0.0466
Base	211	207	CIM7 Max	0.0024	0.6403	2.7662	0.0065	0.0022	0.0003
Base	211	207	CIM7 Min	-0.0022	-0.0406	-0.1094	-0.0479	-0.002	-0.0003
Base	212	206	PP	-2.53E-05	-0.14	0.6961	-0.0003	2.346E-05	2.654E-06
Base	212	206	CA	-4.277E-05	0.1106	0.2101	-0.0159	4.361E-05	5.051E-06
Base	212	206	CV	-1.965E-05	0.0601	0.1034	-0.0065	1.419E-05	1.33E-06
Base	212	206	SX Max	0.3252	0.0705	0.2521	0.0044	0.3518	0.0551
Base	212	206	SY Max	0.0026	0.5302	1.7952	0.0326	0.0024	0.0004
Base	212	206	CIM1	-0.0001	0.0309	1.2095	-0.0247	0.0001	9.065E-06
Base	212	206	CIM2 Max	0.2661	0.0331	1.326	-0.0123	0.3096	0.0465
Base	212	206	CIM2 Min	-0.2663	-0.0916	0.8843	-0.02	-0.3095	-0.0465
Base	212	206	CIM3 Max	0.0023	0.4373	2.6659	0.0127	0.0022	0.0003
Base	212	206	CIM3 Min	-0.0024	-0.4956	-0.4736	-0.0451	-0.002	-0.0003
Base	212	206	CIM4 Max	0.2146	0.0626	1.3501	-0.0197	0.2322	0.0364
Base	212	206	CIM4 Min	-0.2147	-0.0309	1.0173	-0.0254	-0.2321	-0.0363
Base	212	206	CIM5 Max	0.0017	0.3656	2.3665	-0.0009	0.0016	0.0003
Base	212	206	CIM5 Min	-0.0018	-0.3341	-0.0012	-0.0442	-0.0015	-0.0002
Base	212	206	CIM6 Max	0.2662	0.0448	0.6855	-0.0059	0.3096	0.0465
Base	212	206	CIM6 Min	-0.2662	-0.0799	0.4416	-0.0136	-0.3095	-0.0465
Base	212	206	CIM7 Max	0.0023	0.449	2.2435	0.0192	0.0021	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	212	206	CIM7 Min	-0.0024	-0.4641	-0.9161	-0.0366	-0.0021	-0.0003
Base	201	246	PP	0.2426	0.0025	1.6665	-0.0025	0.0136	1.026E-05
Base	201	246	CA	0.0615	-0.0006	0.299	0.0001	0.0035	4.253E-06
Base	201	246	CV	0.1077	0.0001	0.3592	-0.0003	0.006	2.038E-06
Base	201	246	SX Max	1.5669	0.0325	1.1336	0.0163	0.1163	0.0001
Base	201	246	SY Max	0.575	0.1799	2.0326	0.1609	0.0272	0.0003
Base	201	246	CIM1	0.412	0.002	2.4667	-0.0027	0.0231	1.655E-05
Base	201	246	CIM2 Max	1.9472	0.0305	3.105	0.012	0.1194	0.0001
Base	201	246	CIM2 Min	-1.3365	-0.0267	1.11	-0.0165	-0.0853	-0.0001
Base	201	246	CIM3 Max	0.5103	0.1602	3.6962	0.1392	0.041	0.0003
Base	201	246	CIM3 Min	-0.2017	-0.1564	0.3166	-0.144	-0.0066	-0.0002
Base	201	246	CIM4 Max	1.6172	0.0234	3.1251	0.0082	0.0964	0.0001
Base	201	246	CIM4 Min	-0.6471	-0.0194	1.6266	-0.0134	-0.0552	-0.0001
Base	201	246	CIM5 Max	0.7646	0.1207	3.7164	0.1036	0.0396	0.0002
Base	201	246	CIM5 Min	0.0056	-0.1167	1.0354	-0.1066	0.0037	-0.0002
Base	201	246	CIM6 Max	1.6255	0.0297	2.262	0.0129	0.1126	0.0001
Base	201	246	CIM6 Min	-1.4603	-0.0274	0.267	-0.0156	-0.0921	-0.0001
Base	201	246	CIM7 Max	0.6666	0.1595	3.0532	0.1402	0.0342	0.0002
Base	201	246	CIM7 Min	-0.3234	-0.1572	-0.5242	-0.1431	-0.0137	-0.0002
Base	202	249	PP	0.1774	0.0001	2.3631	-0.0007	0.0097	0
Base	202	249	CA	0.0515	-0.0003	0.4031	0.0002	0.0028	8.227E-07
Base	202	249	CV	0.0976	-0.0001	0.5323	-3.245E-05	0.0052	0
Base	202	249	SX Max	2.2704	0.0493	0.7643	0.0269	0.1348	0.0002
Base	202	249	SY Max	0.6395	0.5106	1.4501	0.4106	0.0315	0.0003
Base	202	249	CIM1	0.3267	-0.0004	3.2965	-0.0005	0.0176	1.259E-06
Base	202	249	CIM2 Max	2.2269	0.0431	3.4564	0.025	0.1311	0.0002
Base	202	249	CIM2 Min	-1.769	-0.0436	2.076	-0.0259	-0.1062	-0.0002
Base	202	249	CIM3 Max	0.7917	0.4493	4.0422	0.3609	0.0402	0.0003
Base	202	249	CIM3 Min	-0.3336	-0.4496	1.4901	-0.3616	-0.0153	-0.0003
Base	202	249	CIM4 Max	1.8006	0.0322	3.663	0.0166	0.1053	0.0001
Base	202	249	CIM4 Min	-1.1962	-0.0329	2.6476	-0.0196	-0.0727	-0.0001
Base	202	249	CIM5 Max	0.7243	0.3368	4.1225	0.2705	0.0371	0.0002
Base	202	249	CIM5 Min	-0.1195	-0.3375	2.2064	-0.2715	-0.0045	-0.0002
Base	202	249	CIM6 Max	2.1353	0.0432	2.3499	0.0252	0.1261	0.0002
Base	202	249	CIM6 Min	-1.5606	-0.0435	0.9695	-0.0257	-0.1112	-0.0002
Base	202	249	CIM7 Max	0.7001	0.4494	2.9356	0.3611	0.0352	0.0003
Base	202	249	CIM7 Min	-0.4254	-0.4497	0.3537	-0.3616	-0.0203	-0.0003
Base	203	243	PP	-0.0391	0.0025	2.0422	-0.0026	-0.0014	1.706E-05
Base	203	243	CA	0.0366	0.0003	0.4144	-0.0004	0.0027	2.971E-06
Base	203	243	CV	0.0566	0.0001	0.4964	-0.0004	0.0041	3.499E-06
Base	203	243	SX Max	1.2039	0.1511	0.6596	0.0914	0.051	0.0003
Base	203	243	SY Max	0.643	0.2037	1.9776	0.183	0.0304	0.0004
Base	203	243	CIM1	0.0563	0.0029	2.953	-0.0036	0.0054	2.355E-05
Base	203	243	CIM2 Max	1.059	0.1356	3.0371	0.0772	0.0726	0.0003
Base	203	243	CIM2 Min	-1.0599	-0.1302	1.6761	-0.0837	-0.07	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	203	243	CIM3 Max	0.5653	0.162	4.1969	0.1577	0.0251	0.0003
Base	203	243	CIM3 Min	-0.5662	-0.1765	0.7163	-0.1643	-0.0254	-0.0003
Base	203	243	CIM4 Max	0.6367	0.1026	3.2643	0.0566	0.0579	0.0002
Base	203	243	CIM4 Min	-0.7525	-0.0969	2.3935	-0.0639	-0.0491	-0.0002
Base	203	243	CIM5 Max	0.4665	0.1373	4.1342	0.1172	0.0245	0.0003
Base	203	243	CIM5 Min	-0.3622	-0.1316	1.5237	-0.1243	-0.0157	-0.0002
Base	203	243	CIM6 Max	1.0592	0.1347	2.0544	0.0765	0.0721	0.0002
Base	203	243	CIM6 Min	-1.0597	-0.1313	0.6935	-0.0624	-0.0705	-0.0002
Base	203	243	CIM7 Max	0.5655	0.1609	3.2143	0.159	0.0275	0.0003
Base	203	243	CIM7 Min	-0.5661	-0.1776	-0.2664	-0.163	-0.026	-0.0003
Base	206	244	PP	-0.1667	0.0002	1.9696	-0.0007	-0.0096	3.544E-06
Base	206	244	CA	0.0029	3.321E-05	0.4412	-0.0002	0.002	5.97E-07
Base	206	244	CV	0.0161	-1.455E-05	0.5401	-0.0001	0.0042	6.477E-07
Base	206	244	SX Max	1.1916	0.1361	2.4266	0.1122	0.0844	0.0001
Base	206	244	SY Max	0.6197	0.4439	1.2461	0.3796	0.0338	0.0002
Base	206	244	CIM1	-0.1676	0.0002	2.9509	-0.001	-0.0036	4.766E-06
Base	206	244	CIM2 Max	0.665	0.12	4.5462	0.096	0.0664	4.987E-05
Base	206	244	CIM2 Min	-1.2325	-0.1196	0.2754	-0.0996	-0.0821	-4.169E-05
Base	206	244	CIM3 Max	0.3615	0.3909	3.5091	0.3332	0.0219	0.0001
Base	206	244	CIM3 Min	-0.7291	-0.3905	1.3125	-0.3349	-0.0376	-0.0001
Base	206	244	CIM4 Max	0.6149	0.09	4.4174	0.0732	0.051	3.9E-05
Base	206	244	CIM4 Min	-0.9562	-0.0697	1.2143	-0.075	-0.0604	-2.974E-05
Base	206	244	CIM5 Max	0.2373	0.2932	3.6396	0.2496	0.0176	0.0001
Base	206	244	CIM5 Min	-0.5807	-0.2926	1.9922	-0.2515	-0.027	-0.0001
Base	206	244	CIM6 Max	0.9385	0.1199	3.5619	0.0983	0.0696	4.631E-05
Base	206	244	CIM6 Min	-1.159	-0.1197	-0.6669	-0.0993	-0.079	-4.334E-05
Base	206	244	CIM7 Max	0.435	0.3906	2.5446	0.3335	0.025	0.0001
Base	206	244	CIM7 Min	-0.6556	-0.3905	0.3462	-0.3345	-0.0344	-0.0001
Base	231	253	PP	-0.0026	-0.0032	2.452	0.0033	0.0003	-1.031E-06
Base	231	253	CA	0.0066	-0.0007	0.4146	0.0006	0.0004	8.605E-07
Base	231	253	CV	0.021	-0.0006	0.5203	0.0005	0.001	0
Base	231	253	SX Max	2.5406	0.0959	0.3983	0.0549	0.1466	0.0001
Base	231	253	SY Max	0.4039	0.1634	1.2992	0.1626	0.0163	0.0005
Base	231	253	CIM1	0.025	-0.0046	3.3669	0.0044	0.0017	0
Base	231	253	CIM2 Max	2.2397	0.0504	3.2172	0.0522	0.1297	0.0001
Base	231	253	CIM2 Min	-2.2317	-0.0684	2.5161	-0.0445	-0.1263	-0.0001
Base	231	253	CIM3 Max	0.3595	0.1396	4.0099	0.1472	0.0151	0.0004
Base	231	253	CIM3 Min	-0.3514	-0.1477	1.7233	-0.1395	-0.0137	-0.0004
Base	231	253	CIM4 Max	1.6965	0.0569	3.5196	0.0405	0.0953	4.933E-05
Base	231	253	CIM4 Min	-1.657	-0.0677	2.994	-0.032	-0.0953	-4.915E-05
Base	231	253	CIM5 Max	0.2563	0.1034	4.1144	0.1117	0.0122	0.0003
Base	231	253	CIM5 Min	-0.2469	-0.1122	2.3984	-0.1032	-0.0093	-0.0003
Base	231	253	CIM6 Max	2.2361	0.052	2.0705	0.0506	0.1295	0.0001
Base	231	253	CIM6 Min	-2.2333	-0.0668	1.3694	-0.046	-0.1266	-0.0001
Base	231	253	CIM7 Max	0.3579	0.1414	2.6633	0.1456	0.0146	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	231	253	CIM7 Min	-0.353	-0.1461	0.5767	-0.141	-0.0139	-0.0004
Base	235	251	PP	0.062	0.0036	2.3667	-0.0036	0.0035	-6.139E-07
Base	235	251	CA	0.0134	0.001	0.3767	-0.0006	0.0009	-7.39E-07
Base	235	251	CV	0.0247	0.0014	0.5113	-0.001	0.0015	-1.16E-06
Base	235	251	SX Max	2.3916	0.12	1.1104	0.0661	0.1393	0.0001
Base	235	251	SY Max	0.4596	0.1607	1.5661	0.1603	0.0166	0.0005
Base	235	251	CIM1	0.1001	0.006	3.2567	-0.0054	0.0063	-2.513E-06
Base	235	251	CIM2 Max	2.16	0.1103	3.7226	0.0536	0.1273	0.0001
Base	235	251	CIM2 Min	-2.0291	-0.101	1.7682	-0.0625	-0.1176	-0.0001
Base	235	251	CIM3 Max	0.4799	0.1461	4.1235	0.1367	0.0213	0.0004
Base	235	251	CIM3 Min	-0.329	-0.1366	1.3673	-0.1455	-0.0116	-0.0004
Base	235	251	CIM4 Max	1.6724	0.0549	3.6616	0.0365	0.0978	0.0001
Base	235	251	CIM4 Min	-1.4645	-0.0735	2.396	-0.0466	-0.086	-0.0001
Base	235	251	CIM5 Max	0.3972	0.1117	4.1625	0.1007	0.0163	0.0003
Base	235	251	CIM5 Min	-0.2094	-0.1004	2.0953	-0.111	-0.0065	-0.0003
Base	235	251	CIM6 Max	2.1496	0.1064	2.6244	0.0555	0.1254	0.0001
Base	235	251	CIM6 Min	-2.0593	-0.1026	0.67	-0.0606	-0.1197	-0.0001
Base	235	251	CIM7 Max	0.4497	0.1442	3.0254	0.1365	0.0194	0.0004
Base	235	251	CIM7 Min	-0.3592	-0.1386	0.2691	-0.1437	-0.0137	-0.0004
Base	239	247	PP	0.1396	0.0032	2.3466	-0.0034	0.0068	1.47E-06
Base	239	247	CA	0.0146	3.939E-05	0.3639	-0.0003	0.0029	0
Base	239	247	CV	0.0056	-0.0003	0.5106	-0.0002	0.0043	0
Base	239	247	SX Max	2.1625	0.1232	1.7704	0.0713	0.1308	0.0001
Base	239	247	SY Max	0.4465	0.1614	1.6143	0.1763	0.0176	0.0004
Base	239	247	CIM1	0.1602	0.0029	3.2433	-0.0036	0.014	1.103E-06
Base	239	247	CIM2 Max	2.0574	0.1117	4.2906	0.0591	0.1246	0.0001
Base	239	247	CIM2 Min	-1.7465	-0.1051	1.1746	-0.0664	-0.1054	-0.0001
Base	239	247	CIM3 Max	0.5492	0.1453	4.1533	0.1515	0.0252	0.0004
Base	239	247	CIM3 Min	-0.2403	-0.1367	1.3121	-0.1565	-0.0056	-0.0004
Base	239	247	CIM4 Max	1.586	0.0543	4.2641	0.0433	0.0993	0.0001
Base	239	247	CIM4 Min	-1.2665	-0.0763	1.9472	-0.0509	-0.0734	-0.0001
Base	239	247	CIM5 Max	0.4546	0.1095	4.1611	0.1126	0.0246	0.0003
Base	239	247	CIM5 Min	-0.1373	-0.1035	2.0502	-0.1202	0.0013	-0.0003
Base	239	247	CIM6 Max	1.9957	0.1104	3.1976	0.0606	0.1209	0.0001
Base	239	247	CIM6 Min	-1.8103	-0.1064	0.0617	-0.065	-0.1093	-0.0001
Base	239	247	CIM7 Max	0.4674	0.144	3.0602	0.1529	0.0213	0.0004
Base	239	247	CIM7 Min	-0.302	-0.14	0.219	-0.1573	-0.0097	-0.0004
Base	236	255	PP	0.0045	0.0797	2.0657	-0.0057	0.0043	9.893E-06
Base	236	255	CA	0.0239	0.0046	0.2924	-0.0004	0.0225	0.0001
Base	236	255	CV	0.1052	-0.0055	0.7617	0.0004	0.102	0.0002
Base	236	255	SX Max	0.6614	0.0161	0.0466	0.0015	0.5436	0.0011
Base	236	255	SY Max	0.0101	0.2769	1.1647	0.0299	0.0051	1.633E-05
Base	236	255	CIM1	0.1367	0.079	3.1196	-0.0057	0.1269	0.0003
Base	236	255	CIM2 Max	0.6261	0.1004	2.3893	-0.0046	0.5053	0.001
Base	236	255	CIM2 Min	-0.5712	0.0665	2.3169	-0.0074	-0.4517	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	236	255	CIM3 Max	0.0373	0.3299	3.4007	0.0202	0.0339	0.0001
Base	236	255	CIM3 Min	0.0196	-0.1609	1.3155	-0.0325	0.0197	4.753E-05
Base	236	255	CIM4 Max	0.5594	0.0923	2.9603	-0.0046	0.4622	0.0009
Base	236	255	CIM4 Min	-0.3402	0.0664	2.6965	-0.0068	-0.2555	-0.0005
Base	236	255	CIM5 Max	0.1163	0.2644	3.7113	0.0139	0.1057	0.0002
Base	236	255	CIM5 Min	0.1029	-0.1037	2.1474	-0.0256	0.096	0.0002
Base	236	255	CIM6 Max	0.6167	0.0666	1.456	-0.0024	0.4946	0.001
Base	236	255	CIM6 Min	-0.5626	0.0347	1.3737	-0.005	-0.4624	-0.0009
Base	236	255	CIM7 Max	0.026	0.2961	2.4574	0.0227	0.0232	0.0001
Base	236	255	CIM7 Min	0.0062	-0.1947	0.3723	-0.03	0.009	2.277E-05
Base	240	256	PP	0.0045	0.0799	2.0559	-0.0056	0.0043	9.366E-06
Base	240	256	CA	0.0237	0.0047	0.2871	-0.0004	0.0223	4.567E-05
Base	240	256	CV	0.1073	-0.0056	0.7475	0.0004	0.1008	0.0002
Base	240	256	SX Max	0.6717	0.0179	0.0462	0.0015	0.5361	0.001
Base	240	256	SY Max	0.0106	0.2766	1.1991	0.0297	0.0056	1.682E-05
Base	240	256	CIM1	0.1355	0.0766	3.0904	-0.0056	0.1274	0.0003
Base	240	256	CIM2 Max	0.6193	0.1003	2.3853	-0.0049	0.4963	0.0009
Base	240	256	CIM2 Min	-0.5626	0.0666	2.3005	-0.0075	-0.4452	-0.0008
Base	240	256	CIM3 Max	0.0377	0.3262	3.3961	0.02	0.0341	0.0001
Base	240	256	CIM3 Min	0.0186	-0.159	1.2677	-0.0324	0.0189	4.335E-05
Base	240	256	CIM4 Max	0.552	0.092	2.9353	-0.005	0.456	0.0009
Base	240	256	CIM4 Min	-0.3346	0.0664	2.6717	-0.0069	-0.2517	-0.0004
Base	240	256	CIM5 Max	0.1156	0.2629	3.6949	0.0137	0.1079	0.0002
Base	240	256	CIM5 Min	0.1016	-0.1025	2.1121	-0.0256	0.0965	0.0002
Base	240	256	CIM6 Max	0.606	0.0665	1.4451	-0.0024	0.4877	0.0009
Base	240	256	CIM6 Min	-0.5741	0.035	1.3634	-0.005	-0.4556	-0.0009
Base	240	256	CIM7 Max	0.0264	0.2943	2.461	0.0224	0.0235	4.964E-05
Base	240	256	CIM7 Min	0.0075	-0.1926	0.3505	-0.0299	0.0053	2.005E-05
Base	241	257	PP	0.0045	0.0735	2.0908	-0.0047	0.0044	1.336E-05
Base	241	257	CA	0.0236	0.0053	0.3036	-0.0004	0.0226	0.0001
Base	241	257	CV	0.1079	-0.0002	0.7995	0.0003	0.1034	0.0003
Base	241	257	SX Max	0.6812	0.0161	0.0429	0.0015	0.5469	0.0013
Base	241	257	SY Max	0.0116	0.2633	1.0276	0.0302	0.0092	2.233E-05
Base	241	257	CIM1	0.1363	0.0785	3.1936	-0.0046	0.1306	0.0004
Base	241	257	CIM2 Max	0.6276	0.0947	2.4321	-0.0036	0.5064	0.0012
Base	241	257	CIM2 Min	-0.5711	0.0626	2.3566	-0.0064	-0.454	-0.0011
Base	241	257	CIM3 Max	0.0366	0.3261	3.2966	0.0215	0.0353	0.0001
Base	241	257	CIM3 Min	0.0182	-0.1706	1.4901	-0.0317	0.0191	0.0001
Base	241	257	CIM4 Max	0.5589	0.0906	3.0223	-0.0036	0.4656	0.0012
Base	241	257	CIM4 Min	-0.3403	0.0666	2.9656	-0.0056	-0.2562	-0.0005
Base	241	257	CIM5 Max	0.117	0.2656	3.6721	0.0151	0.1105	0.0003
Base	241	257	CIM5 Min	0.1017	-0.1084	2.3156	-0.0246	0.0966	0.0003
Base	241	257	CIM6 Max	0.6165	0.0632	1.4743	-0.0017	0.4976	0.0012
Base	241	257	CIM6 Min	-0.5824	0.0313	1.3969	-0.0044	-0.4649	-0.0011
Base	241	257	CIM7 Max	0.0272	0.2966	2.3406	0.0235	0.0245	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	241	257	CIM7 Min	0.0066	-0.2021	0.5324	-0.0296	0.0052	3.042E-05
Base	242	256	PP	0.0047	0.069	2.1666	-0.0036	0.0046	1.845E-05
Base	242	256	CA	0.025	0.0062	0.3332	-0.0003	0.0244	0.0001
Base	242	256	CV	0.113	0.0064	0.5666	0.0001	0.1106	0.0004
Base	242	256	SX Max	0.7137	0.0193	0.0377	0.0016	0.5766	0.0017
Base	242	256	SY Max	0.0155	0.3026	0.6794	0.0325	0.0123	3.551E-05
Base	242	256	CIM1	0.1426	0.0617	3.4064	-0.0041	0.1396	0.0006
Base	242	256	CIM2 Max	0.6577	0.0922	2.555	-0.0026	0.5364	0.0016
Base	242	256	CIM2 Min	-0.5964	0.0563	2.4567	-0.0056	-0.4784	-0.0014
Base	242	256	CIM3 Max	0.0432	0.3417	3.2957	0.0245	0.0399	0.0001
Base	242	256	CIM3 Min	0.016	-0.1912	1.746	-0.0326	0.0162	0.0001
Base	242	256	CIM4 Max	0.5654	0.0926	3.2116	-0.003	0.4925	0.0016
Base	242	256	CIM4 Min	-0.3567	0.0674	3.1619	-0.0051	-0.2686	-0.0007
Base	242	256	CIM5 Max	0.1246	0.2799	3.7672	0.0174	0.1201	0.0005
Base	242	256	CIM5 Min	0.1041	-0.1196	2.6064	-0.0256	0.1039	0.0004
Base	242	256	CIM6 Max	0.6456	0.0621	1.5462	-0.0011	0.5246	0.0015
Base	242	256	CIM6 Min	-0.6102	0.0262	1.48	-0.0039	-0.49	-0.0014
Base	242	256	CIM7 Max	0.0314	0.3116	2.267	0.0261	0.0262	0.0001
Base	242	256	CIM7 Min	0.0042	-0.2213	0.7392	-0.0311	0.0066	3.683E-05
Base	243	259	PP	-0.0054	0.0797	2.0702	-0.0057	-0.0051	-1.165E-05
Base	243	259	CA	-0.0269	0.0049	0.3061	-0.0004	-0.0254	-0.0001
Base	243	259	CV	-0.1222	-0.0065	0.6031	0.0005	-0.1152	-0.0003
Base	243	259	SX Max	0.6611	0.0269	0.0545	0.0024	0.5435	0.0011
Base	243	259	SY Max	0.0105	0.2772	1.136	0.0287	0.0084	1.676E-05
Base	243	259	CIM1	-0.1545	0.0781	3.1794	-0.0056	-0.1457	-0.0003
Base	243	259	CIM2 Max	0.5671	0.1063	2.4242	-0.004	0.4479	0.0009
Base	243	259	CIM2 Min	-0.6317	0.061	2.3263	-0.0062	-0.5056	-0.001
Base	243	259	CIM3 Max	-0.0231	0.3265	3.376	0.0192	-0.0231	-0.0001
Base	243	259	CIM3 Min	-0.0415	-0.1593	1.3766	-0.0314	-0.0376	-0.0001
Base	243	259	CIM4 Max	0.3256	0.0975	3.0146	-0.0041	0.2419	0.0004
Base	243	259	CIM4 Min	-0.5735	0.062	2.9426	-0.0073	-0.4756	-0.001
Base	243	259	CIM5 Max	-0.117	0.2627	3.7264	0.0133	-0.1113	-0.0003
Base	243	259	CIM5 Min	-0.1309	-0.1032	2.2266	-0.0246	-0.1224	-0.0003
Base	243	259	CIM6 Max	0.56	0.0744	1.4737	-0.0015	0.4601	0.0009
Base	243	259	CIM6 Min	-0.6166	0.0271	1.3776	-0.0058	-0.4966	-0.001
Base	243	259	CIM7 Max	-0.0101	0.2847	2.4255	0.0216	-0.0109	-2.736E-05
Base	243	259	CIM7 Min	-0.0266	-0.1931	0.4261	-0.0269	-0.0256	-0.0001
Base	244	260	PP	-0.0053	0.0799	2.0604	-0.0056	-0.005	-1.102E-05
Base	244	260	CA	-0.0267	0.0048	0.3006	-0.0004	-0.0251	-0.0001
Base	244	260	CV	-0.1211	-0.0066	0.7676	0.0005	-0.1136	-0.0002
Base	244	260	SX Max	0.6712	0.0263	0.052	0.0023	0.5359	0.001
Base	244	260	SY Max	0.0106	0.2751	1.1497	0.0285	0.0066	1.659E-05
Base	244	260	CIM1	-0.1531	0.0779	3.1466	-0.0057	-0.1439	-0.0003
Base	244	260	CIM2 Max	0.5566	0.1079	2.4067	-0.0041	0.4415	0.0008
Base	244	260	CIM2 Min	-0.6227	0.0615	2.3152	-0.0062	-0.5017	-0.001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	244	260	CIM3 Max	-0.0225	0.3268	3.3727	0.0169	-0.0225	-0.0001
Base	244	260	CIM3 Min	-0.0416	-0.1574	1.3493	-0.0313	-0.0377	-0.0001
Base	244	260	CIM4 Max	0.3201	0.097	2.9661	-0.0042	0.2362	0.0004
Base	244	260	CIM4 Min	-0.3659	0.0622	2.9175	-0.0073	-0.4691	-0.0009
Base	244	260	CIM5 Max	-0.1157	0.2612	3.7106	0.013	-0.1096	-0.0002
Base	244	260	CIM5 Min	-0.13	-0.102	2.193	-0.0246	-0.1211	-0.0003
Base	244	260	CIM6 Max	0.5715	0.074	1.4623	-0.0016	0.4535	0.0009
Base	244	260	CIM6 Min	-0.6099	0.0277	1.3709	-0.0056	-0.4896	-0.0009
Base	244	260	CIM7 Max	-0.0097	0.293	2.4263	0.0214	-0.0105	-2.505E-05
Base	244	260	CIM7 Min	-0.0267	-0.1913	0.4049	-0.0266	-0.0256	-0.0001
Base	245	261	PP	-0.0054	0.0735	2.0956	-0.0047	-0.0051	-1.574E-05
Base	245	261	CA	-0.0266	0.0055	0.316	-0.0003	-0.0257	-0.0001
Base	245	261	CV	-0.1216	-0.0006	0.5434	0.0004	-0.1167	-0.0004
Base	245	261	SX Max	0.6506	0.0263	0.0461	0.0024	0.5465	0.0013
Base	245	261	SY Max	0.0116	0.2619	0.9851	0.029	0.0093	2.229E-05
Base	245	261	CIM1	-0.154	0.0763	3.257	-0.0046	-0.1475	-0.0005
Base	245	261	CIM2 Max	0.5667	0.1022	2.4542	-0.003	0.4501	0.0011
Base	245	261	CIM2 Min	-0.6311	0.0559	2.373	-0.0071	-0.5116	-0.0012
Base	245	261	CIM3 Max	-0.0216	0.3271	3.2805	0.0205	-0.0226	-0.0001
Base	245	261	CIM3 Min	-0.0426	-0.169	1.5467	-0.0306	-0.0391	-0.0001
Base	245	261	CIM4 Max	0.3256	0.0958	3.0766	-0.0032	0.2423	0.0005
Base	245	261	CIM4 Min	-0.5726	0.0611	3.0157	-0.0063	-0.479	-0.0012
Base	245	261	CIM5 Max	-0.1156	0.2645	3.6963	0.0144	-0.1122	-0.0003
Base	245	261	CIM5 Min	-0.1313	-0.1076	2.3959	-0.0239	-0.1245	-0.0004
Base	245	261	CIM6 Max	0.5796	0.0706	1.4666	-0.0009	0.4624	0.0011
Base	245	261	CIM6 Min	-0.6162	0.0243	1.4076	-0.0051	-0.4994	-0.0012
Base	245	261	CIM7 Max	-0.0069	0.2955	2.3151	0.0225	-0.0103	-3.716E-05
Base	245	261	CIM7 Min	-0.0297	-0.2006	0.5813	-0.0266	-0.0267	-0.0001
Base	246	262	PP	-0.0055	0.0691	2.1936	-0.0036	-0.0054	-2.173E-05
Base	246	262	CA	-0.0261	0.0066	0.3469	-0.0003	-0.0275	-0.0001
Base	246	262	CV	-0.1275	0.0064	0.9362	0.0002	-0.1249	-0.0005
Base	246	262	SX Max	0.7133	0.0276	0.046	0.0025	0.5763	0.0017
Base	246	262	SY Max	0.0126	0.301	0.8431	0.0313	0.0099	2.791E-05
Base	246	262	CIM1	-0.1611	0.0821	3.4769	-0.0039	-0.1575	-0.0006
Base	246	262	CIM2 Max	0.5941	0.1002	2.5832	-0.002	0.4743	0.0013
Base	246	262	CIM2 Min	-0.6613	0.0512	2.5022	-0.0063	-0.5401	-0.0016
Base	246	262	CIM3 Max	-0.0226	0.3406	3.2647	0.0234	-0.0242	-0.0001
Base	246	262	CIM3 Min	-0.0447	-0.1692	1.6007	-0.0316	-0.0416	-0.0002
Base	246	262	CIM4 Max	0.3415	0.0969	3.2752	-0.0024	0.2535	0.0006
Base	246	262	CIM4 Min	-0.6	0.0622	3.2145	-0.0056	-0.5069	-0.0016
Base	246	262	CIM5 Max	-0.121	0.2792	3.8013	0.0166	-0.12	-0.0005
Base	246	262	CIM5 Min	-0.1375	-0.1161	2.6584	-0.0246	-0.1331	-0.0005
Base	246	262	CIM6 Max	0.6075	0.0699	1.5661	-0.0003	0.4874	0.0014
Base	246	262	CIM6 Min	-0.6479	0.0209	1.4851	-0.0046	-0.5269	-0.0016
Base	246	262	CIM7 Max	-0.0091	0.3103	2.2676	0.025	-0.0111	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	246	262	CIM7 Min	-0.0312	-0.2195	0.7637	-0.03	-0.0264	-0.0001
Base	226	1963	PP	-0.0056	0.2565	2.46	-0.011	-0.0001	1.17E-05
Base	226	1963	CA	-0.0347	0.0611	0.3617	-0.0033	-0.0016	4.183E-05
Base	226	1963	CV	-0.0238	0.0373	0.2154	-0.0021	-0.0012	2.941E-05
Base	226	1963	SX Max	2.9013	0.1604	0.5273	0.0146	0.1908	0.0042
Base	226	1963	SY Max	0.0687	1.269	3.6742	0.1112	0.006	0.0003
Base	226	1963	CIM1	-0.0643	0.3549	3.0571	-0.0165	-0.0029	0.0001
Base	226	1963	CIM2 Max	2.5126	0.4763	3.3056	-0.0015	0.1662	0.0037
Base	226	1963	CIM2 Min	-2.5937	0.1556	2.3777	-0.0272	-0.1697	-0.0036
Base	226	1963	CIM3 Max	0.0199	1.4519	6.075	0.0635	0.0035	0.0003
Base	226	1963	CIM3 Min	-0.101	-0.6167	-0.3915	-0.1122	-0.007	-0.0002
Base	226	1963	CIM4 Max	1.6565	0.4646	3.3513	-0.0063	0.1234	0.0026
Base	226	1963	CIM4 Min	-1.9732	0.2265	2.6552	-0.0256	-0.1266	-0.0027
Base	226	1963	CIM5 Max	-0.013	1.1963	5.4262	0.0575	0.0013	0.0003
Base	226	1963	CIM5 Min	-0.1037	-0.5052	0.5763	-0.0693	-0.0066	-0.0001
Base	226	1963	CIM6 Max	2.5266	0.3493	2.1691	0.0042	0.1669	0.0037
Base	226	1963	CIM6 Min	-2.5775	0.0316	1.241	-0.0214	-0.169	-0.0036
Base	226	1963	CIM7 Max	0.0361	1.3248	4.9363	0.0693	0.0042	0.0003
Base	226	1963	CIM7 Min	-0.0646	-0.9436	-1.5252	-0.1065	-0.0063	-0.0002
Base	227	263	PP	0	0.0039	0.2252	-0.0137	0	0
Base	227	263	CA	0	0.0111	0.5102	-0.0366	0	0
Base	227	263	CV	0	0.0504	2.3161	-0.1764	-5.754E-07	0
Base	227	263	SX Max	0.0001	1.702E-06	1.451E-05	5.955E-06	0.0002	0
Base	227	263	SY Max	1.967E-06	0.0001	0.0004	0.0002	6.663E-06	0
Base	227	263	CIM1	0	0.0654	3.0535	-0.2269	0	0
Base	227	263	CIM2 Max	0.0001	0.015	0.7354	-0.0525	0.0002	0
Base	227	263	CIM2 Min	-4.991E-05	0.015	0.7354	-0.0525	-0.0002	0
Base	227	263	CIM3 Max	1.635E-06	0.0151	0.7356	-0.0523	6.422E-06	0
Base	227	263	CIM3 Min	-1.626E-06	0.0149	0.735	-0.0527	-5.692E-06	0
Base	227	263	CIM4 Max	3.749E-05	0.0526	2.474	-0.1646	0.0001	0
Base	227	263	CIM4 Min	-3.753E-05	0.0526	2.4739	-0.1646	-0.0001	0
Base	227	263	CIM5 Max	1.279E-06	0.0526	2.4742	-0.1646	4.476E-06	0
Base	227	263	CIM5 Min	-1.317E-06	0.0526	2.4737	-0.1649	-4.61E-06	0
Base	227	263	CIM6 Max	0.0001	0.009	0.4412	-0.0315	0.0002	0
Base	227	263	CIM6 Min	-4.995E-05	0.009	0.4412	-0.0315	-0.0002	0
Base	227	263	CIM7 Max	1.793E-06	0.0091	0.4416	-0.0313	6.276E-06	0
Base	227	263	CIM7 Min	-1.666E-06	0.0089	0.4408	-0.0317	-5.838E-06	0
Base	230	264	PP	0	0.0024	0.2916	-0.0065	0	0
Base	230	264	CA	0	0.0064	0.7067	-0.0225	0	0
Base	230	264	CV	0	0.0292	3.2197	-0.1021	-6.642E-07	0
Base	230	264	SX Max	0.0001	1.407E-06	1.425E-05	4.924E-06	0.0002	0
Base	230	264	SY Max	1.52E-06	0.0001	0.0003	0.0002	5.32E-06	0
Base	230	264	CIM1	0	0.036	4.2202	-0.133	0	0
Base	230	264	CIM2 Max	0.0001	0.0066	1.0005	-0.0309	0.0002	0
Base	230	264	CIM2 Min	-0.0001	0.0066	1.0005	-0.0309	-0.0002	0

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	230	264	CIM3 Max	1.415E-06	0.0069	1.0007	-0.0306	4.954E-06	0
Base	230	264	CIM3 Min	-1.26E-06	0.0066	1.0003	-0.0311	-4.409E-06	0
Base	230	264	CIM4 Max	3.995E-05	0.0307	3.4153	-0.1075	0.0001	0
Base	230	264	CIM4 Min	-4.006E-05	0.0307	3.4152	-0.1075	-0.0001	0
Base	230	264	CIM5 Max	9.367E-07	0.0306	3.4154	-0.1074	3.265E-06	0
Base	230	264	CIM5 Min	-1.066E-06	0.0307	3.4151	-0.1076	-3.737E-06	0
Base	230	264	CIM6 Max	0.0001	0.0053	0.6003	-0.0166	0.0002	0
Base	230	264	CIM6 Min	-0.0001	0.0053	0.6003	-0.0166	-0.0002	0
Base	230	264	CIM7 Max	1.364E-06	0.0054	0.6005	-0.0164	4.845E-06	0
Base	230	264	CIM7 Min	-1.291E-06	0.0053	0.6001	-0.0167	-4.518E-06	0
Base	247	265	PP	0	0.0012	0.249	-0.0044	0	0
Base	247	265	CA	0	0.0019	0.5926	-0.0066	0	0
Base	247	265	CV	0	0.0056	2.6924	-0.03	-7.666E-07	0
Base	247	265	SX Max	0.0001	1.171E-06	9.942E-06	4.099E-06	0.0002	0
Base	247	265	SY Max	1.167E-06	4.778E-05	0.0001	0.0002	4.065E-06	0
Base	247	265	CIM1	0	0.0117	3.534	-0.041	-6.239E-07	0
Base	247	265	CIM2 Max	0.0001	0.0031	0.6417	-0.011	0.0002	0
Base	247	265	CIM2 Min	-0.0001	0.0031	0.6416	-0.011	-0.0002	0
Base	247	265	CIM3 Max	1.074E-06	0.0032	0.6417	-0.0108	3.756E-06	0
Base	247	265	CIM3 Min	-9.606E-07	0.0031	0.6416	-0.0111	-3.432E-06	0
Base	247	265	CIM4 Max	4.324E-05	0.0096	2.6609	-0.0335	0.0002	0
Base	247	265	CIM4 Min	-4.349E-05	0.0096	2.6609	-0.0335	-0.0002	0
Base	247	265	CIM5 Max	6.452E-07	0.0096	2.661	-0.0334	2.269E-06	0
Base	247	265	CIM5 Min	-6.924E-07	0.0095	2.6609	-0.0336	-3.123E-06	0
Base	247	265	CIM6 Max	0.0001	0.0019	0.505	-0.0066	0.0002	0
Base	247	265	CIM6 Min	-0.0001	0.0019	0.505	-0.0066	-0.0002	0
Base	247	265	CIM7 Max	1.055E-06	0.0019	0.5051	-0.0064	3.692E-06	0
Base	247	265	CIM7 Min	-9.992E-07	0.0018	0.5049	-0.0067	-3.497E-06	0
Base	766	1964	PP	1.256E-06	-0.2362	0.9012	0.0062	0	0
Base	766	1964	CA	9.077E-06	-0.0505	0.2056	0.0009	5.947E-06	1.174E-06
Base	766	1964	CV	1.094E-05	-0.0209	0.0825	0.0002	-3.656E-06	0
Base	766	1964	SX Max	0.5945	0.1669	0.5169	0.0051	0.4256	0.0767
Base	766	1964	SY Max	0.0567	1.3665	3.7526	0.0596	0.0561	0.0103
Base	766	1964	CIM1	2.127E-05	-0.3076	1.1995	0.0073	2.38E-06	7.566E-07
Base	766	1964	CIM2 Max	0.5235	-0.1205	1.5637	0.0142	0.3771	0.0675
Base	766	1964	CIM2 Min	-0.5235	-0.4529	0.6504	1.915E-05	-0.3771	-0.0675
Base	766	1964	CIM3 Max	0.0761	0.9352	4.4359	0.0596	0.0494	0.0091
Base	766	1964	CIM3 Min	-0.0761	-1.5086	-2.2216	-0.0456	-0.0494	-0.0091
Base	766	1964	CIM4 Max	0.3926	-0.1776	1.5169	0.0126	0.2626	0.0506
Base	766	1964	CIM4 Min	-0.3926	-0.4271	0.6339	0.002	-0.2626	-0.0506
Base	766	1964	CIM5 Max	0.0566	0.614	3.673	0.0466	0.0371	0.0066
Base	766	1964	CIM5 Min	-0.0565	-1.2186	-1.3203	-0.0322	-0.037	-0.0066
Base	766	1964	CIM6 Max	0.5235	-0.0056	1.1209	0.0113	0.3771	0.0675
Base	766	1964	CIM6 Min	-0.5235	-0.3362	0.2076	-0.0026	-0.3771	-0.0675
Base	766	1964	CIM7 Max	0.0761	1.0499	3.9931	0.0569	0.0494	0.0091

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	766	1964	CIM7 Min	-0.0761	-1.3939	-2.6646	-0.0464	-0.0494	-0.0091
Base	767	1966	PP	-6.727E-07	0.2361	0.9916	-0.0059	0	0
Base	767	1966	CA	-6.132E-06	0.1465	0.463	-0.0034	4.911E-06	-6.863E-07
Base	767	1966	CV	9.564E-07	0.0799	0.2532	-0.0019	-5.447E-06	5.615E-07
Base	767	1966	SX Max	0.3565	0.0996	0.3235	0.0051	0.3592	0.0561
Base	767	1966	SY Max	0.004	0.7391	2.3296	0.0384	0.0037	0.0006
Base	767	1966	CIM1	-5.646E-06	0.4644	1.706	-0.0113	-5.795E-07	0
Base	767	1966	CIM2 Max	0.3155	0.4724	1.7395	-0.0046	0.3161	0.0511
Base	767	1966	CIM2 Min	-0.3155	0.2967	1.1701	-0.0139	-0.3161	-0.0511
Base	767	1966	CIM3 Max	0.0035	1.035	3.5051	0.0245	0.0032	0.0005
Base	767	1966	CIM3 Min	-0.0035	-0.2659	-0.5954	-0.0432	-0.0032	-0.0005
Base	767	1966	CIM4 Max	0.2366	0.5103	1.5562	-0.0074	0.2371	0.0383
Base	767	1966	CIM4 Min	-0.2366	0.3786	1.4312	-0.0142	-0.2371	-0.0383
Base	767	1966	CIM5 Max	0.0026	0.9323	3.1624	0.0146	0.0024	0.0004
Base	767	1966	CIM5 Min	-0.0027	-0.0434	0.107	-0.0362	-0.0024	-0.0004
Base	767	1966	CIM6 Max	0.3155	0.3186	1.1576	-0.0011	0.3161	0.0511
Base	767	1966	CIM6 Min	-0.3155	0.1429	0.5682	-0.0101	-0.3161	-0.0511
Base	767	1966	CIM7 Max	0.0035	0.8612	2.9231	0.0262	0.0032	0.0005
Base	767	1966	CIM7 Min	-0.0035	-0.4197	-1.1774	-0.0394	-0.0032	-0.0005
Base	768	1967	PP	5.68E-07	-0.2019	0.9353	0.004	5.066E-07	0
Base	768	1967	CA	0	-0.0273	0.3044	-0.0029	7.434E-06	1.191E-06
Base	768	1967	CV	4.118E-06	-0.0113	0.1495	-0.0017	-4.067E-06	-5.866E-07
Base	768	1967	SX Max	0.3596	0.1071	0.3591	0.0049	0.3597	0.0562
Base	768	1967	SY Max	0.0046	0.7919	2.5952	0.0373	0.004	0.0007
Base	768	1967	CIM1	4.355E-06	-0.2406	1.3892	-0.0005	3.674E-06	6.944E-07
Base	768	1967	CIM2 Max	0.3164	-0.135	1.5557	0.0055	0.3165	0.0512
Base	768	1967	CIM2 Min	-0.3164	-0.3235	0.9237	-0.0032	-0.3165	-0.0512
Base	768	1967	CIM3 Max	0.0042	0.4676	3.5234	0.0339	0.0035	0.0006
Base	768	1967	CIM3 Min	-0.0042	-0.9261	-1.044	-0.0317	-0.0035	-0.0006
Base	768	1967	CIM4 Max	0.2373	-0.167	1.5666	0.0031	0.2374	0.0384
Base	768	1967	CIM4 Min	-0.2373	-0.3084	1.1146	-0.0034	-0.2374	-0.0384
Base	768	1967	CIM5 Max	0.0032	0.2649	3.0646	0.0245	0.0026	0.0004
Base	768	1967	CIM5 Min	-0.0032	-0.7604	-0.361	-0.0247	-0.0026	-0.0004
Base	768	1967	CIM6 Max	0.3164	-0.0433	1.0596	0.005	0.3165	0.0512
Base	768	1967	CIM6 Min	-0.3164	-0.2316	0.4276	-0.0037	-0.3165	-0.0512
Base	768	1967	CIM7 Max	0.0042	0.5593	3.0276	0.0335	0.0035	0.0006
Base	768	1967	CIM7 Min	-0.0042	-0.6344	-1.5399	-0.0322	-0.0035	-0.0006
Base	769	1990	PP	-0.0001	0.2034	0.7641	-0.0047	4.67E-05	-5.46E-06
Base	769	1990	CA	-3.567E-05	0.0071	0.0275	-0.0001	1.407E-05	-1.77E-06
Base	769	1990	CV	-9.964E-06	0.0075	0.026	-0.0002	0	0
Base	769	1990	SX Max	0.5393	0.1456	0.3976	0.0056	0.3159	0.0637
Base	769	1990	SY Max	0.181	1.02	2.9365	0.0413	0.1053	0.0212
Base	769	1990	CIM1	-0.0002	0.216	0.5376	-0.005	0.0001	-6.956E-06
Base	769	1990	CIM2 Max	0.4744	0.3386	1.1615	0.0003	0.2761	0.056
Base	769	1990	CIM2 Min	-0.4747	0.0624	0.4616	-0.01	-0.278	-0.056

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	769	1990	CIM3 Max	0.1591	1.1061	3.3975	0.0316	0.0927	0.0166
Base	769	1990	CIM3 Min	-0.1594	-0.667	-1.7743	-0.0412	-0.0926	-0.0167
Base	769	1990	CIM4 Max	0.3556	0.3122	1.0935	-0.0011	0.2056	0.042
Base	769	1990	CIM4 Min	-0.3561	0.1201	0.5667	-0.0068	-0.2055	-0.042
Base	769	1990	CIM5 Max	0.1193	0.6693	2.7706	0.0223	0.0696	0.014
Base	769	1990	CIM5 Min	-0.1196	-0.457	-1.1063	-0.0323	-0.0694	-0.014
Base	769	1990	CIM6 Max	0.4745	0.2544	0.6366	0.0022	0.2761	0.056
Base	769	1990	CIM6 Min	-0.4747	-0.0016	0.1371	-0.006	-0.276	-0.056
Base	769	1990	CIM7 Max	0.1592	1.0239	3.0729	0.0335	0.0927	0.0166
Base	769	1990	CIM7 Min	-0.1594	-0.7712	-2.0959	-0.0393	-0.0926	-0.0167
Base	635	1991	PP	0.0633	-0.2064	2.2565	0.0077	0.0046	0.0001
Base	635	1991	CA	0.0236	-0.0116	0.1132	0.0006	0.0016	2.636E-05
Base	635	1991	CV	0.0069	-0.0034	0.0456	0.0001	0.0006	8.605E-06
Base	635	1991	SX Max	2.6613	0.1059	0.6646	0.0147	0.1796	0.0041
Base	635	1991	SY Max	0.3366	0.7665	3.1256	0.0776	0.0171	0.0004
Base	635	1991	CIM1	0.1156	-0.2216	2.4173	0.0063	0.007	0.0001
Base	635	1991	CIM2 Max	2.4665	-0.125	3.1503	0.0211	0.1645	0.0037
Base	635	1991	CIM2 Min	-2.2527	-0.3115	1.593	-0.0047	-0.1516	-0.0035
Base	635	1991	CIM3 Max	0.4033	0.4739	5.1224	0.0765	0.0214	0.0005
Base	635	1991	CIM3 Min	-0.1895	-0.9104	-0.3791	-0.0601	-0.0086	-0.0002
Base	635	1991	CIM4 Max	1.6632	-0.1509	2.9696	0.016	0.1254	0.0026
Base	635	1991	CIM4 Min	-1.6561	-0.2907	1.6219	-0.0014	-0.1117	-0.0026
Base	635	1991	CIM5 Max	0.3359	0.2953	4.4669	0.0595	0.0151	0.0004
Base	635	1991	CIM5 Min	-0.1067	-0.7399	0.3426	-0.0429	-0.0044	-0.0001
Base	635	1991	CIM6 Max	2.4237	-0.0377	2.2017	0.0178	0.1619	0.0036
Base	635	1991	CIM6 Min	-2.2954	-0.2242	0.6443	-0.006	-0.1542	-0.0035
Base	635	1991	CIM7 Max	0.3605	0.5612	4.1737	0.0732	0.0168	0.0004
Base	635	1991	CIM7 Min	-0.2322	-0.8231	-1.3277	-0.0633	-0.0112	-0.0003
Base	411	206	PP	0	0.0152	0.0662	-0.0533	0	0
Base	411	206	CA	0	0.0353	0.1546	-0.1237	0	0
Base	411	206	CV	0	0.1606	0.7023	-0.5622	0	0
Base	411	206	SX Max	0	0	1.625E-06	1.445E-06	0	0
Base	411	206	SY Max	0	1.963E-06	7.73E-06	6.872E-06	0	0
Base	411	206	CIM1	0	0.2112	0.9451	-0.7392	0	0
Base	411	206	CIM2 Max	0	0.0506	0.2427	-0.177	0	0
Base	411	206	CIM2 Min	0	0.0506	0.2427	-0.177	0	0
Base	411	206	CIM3 Max	0	0.0506	0.2427	-0.177	0	0
Base	411	206	CIM3 Min	0	0.0506	0.2427	-0.177	0	0
Base	411	206	CIM4 Max	0	0.171	0.7695	-0.5967	0	0
Base	411	206	CIM4 Min	0	0.171	0.7695	-0.5967	0	0
Base	411	206	CIM5 Max	0	0.171	0.7695	-0.5967	0	0
Base	411	206	CIM5 Min	0	0.171	0.7695	-0.5967	0	0
Base	411	206	CIM6 Max	0	0.0304	0.1456	-0.1062	0	0
Base	411	206	CIM6 Min	0	0.0303	0.1456	-0.1062	0	0
Base	411	206	CIM7 Max	0	0.0304	0.1456	-0.1062	0	0

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	411	206	CIM7 Min	0	0.0303	0.1456	-0.1062	0	0
Base	4273	544	PP	-0.0004	-0.334	1.4825	0.0067	0.0006	0.0001
Base	4273	544	CA	-0.0001	-0.0301	0.1356	0.0004	0.0003	3.453E-05
Base	4273	544	CV	-0.0003	-0.043	0.1901	0.0006	0.0006	0.0001
Base	4273	544	SX Max	0.2651	0.441	1.5574	0.0124	0.12	0.0251
Base	4273	544	SY Max	0.0155	0.8638	2.86	0.0368	0.0066	0.0014
Base	4273	544	CIM1	-0.0005	-0.4071	1.5064	0.0076	0.0015	0.0002
Base	4273	544	CIM2 Max	0.2505	0.024	2.9686	0.016	0.1064	0.0222
Base	4273	544	CIM2 Min	-0.2514	-0.7522	0.2476	-0.0036	-0.1047	-0.022
Base	4273	544	CIM3 Max	0.0132	0.4136	4.1351	0.0395	0.0067	0.0013
Base	4273	544	CIM3 Min	-0.0141	-1.1419	-0.6985	-0.0253	-0.005	-0.0011
Base	4273	544	CIM4 Max	0.1675	-0.1053	2.7667	0.0157	0.0605	0.0167
Base	4273	544	CIM4 Min	-0.1669	-0.6574	0.733	-0.0007	-0.0779	-0.0164
Base	4273	544	CIM5 Max	0.0096	0.157	3.6484	0.0318	0.0057	0.0011
Base	4273	544	CIM5 Min	-0.0109	-0.9797	-0.1267	-0.0166	-0.003	-0.0007
Base	4273	544	CIM6 Max	0.2506	0.1696	2.3415	0.0152	0.1061	0.0222
Base	4273	544	CIM6 Min	-0.2512	-0.6066	-0.3995	-0.0067	-0.1051	-0.022
Base	4273	544	CIM7 Max	0.0134	0.5593	3.4577	0.0367	0.0063	0.0013
Base	4273	544	CIM7 Min	-0.0139	-0.9962	-1.5456	-0.0262	-0.0053	-0.0011
Base	4274	564	PP	0.0017	0.3333	1.0024	-0.0036	0.0019	-0.0005
Base	4274	564	CA	0.0006	0.0459	0.1386	-0.0004	0.0099	-0.0026
Base	4274	564	CV	0.0039	0.1069	0.3406	-0.0005	0.0447	-0.0126
Base	4274	564	SX Max	0.2037	0.0161	0.0451	0.0005	0.222	0.0631
Base	4274	564	SY Max	0.003	0.4026	1.1696	0.0099	0.0033	0.0009
Base	4274	564	CIM1	0.0503	0.4661	1.4619	-0.0044	0.0565	-0.0162
Base	4274	564	CIM2 Max	0.1697	0.3934	1.1607	-0.0035	0.2071	0.0522
Base	4274	564	CIM2 Min	-0.1666	0.3651	1.1013	-0.0044	-0.1636	-0.0589
Base	4274	564	CIM3 Max	0.0131	0.7337	2.166	0.0046	0.0147	-0.0026
Base	4274	564	CIM3 Min	0.0076	0.0246	0.094	-0.0127	0.0059	-0.0042
Base	4274	564	CIM4 Max	0.1746	0.4715	1.4264	-0.004	0.1916	0.0266
Base	4274	564	CIM4 Min	-0.0941	0.4503	1.3669	-0.0046	-0.1012	-0.0547
Base	4274	564	CIM5 Max	0.0423	0.7267	2.1619	0.0023	0.0475	-0.0124
Base	4274	564	CIM5 Min	0.0364	0.1951	0.6114	-0.0109	0.0431	-0.0136
Base	4274	564	CIM6 Max	0.1655	0.2417	0.7243	-0.002	0.2024	0.0535
Base	4274	564	CIM6 Min	-0.173	0.2134	0.6449	-0.0026	-0.1683	-0.0576
Base	4274	564	CIM7 Max	0.0059	0.562	1.7316	0.0064	0.01	-0.0012
Base	4274	564	CIM7 Min	0.0036	-0.1269	-0.3624	-0.0111	0.0042	-0.0026
Base	4275	1520	PP	-0.0005	-0.3489	1.3415	0.0058	0.0017	0.0003
Base	4275	1520	CA	-0.0026	-0.0574	0.2041	0.0011	0.0091	0.0017
Base	4275	1520	CV	-0.0129	-0.1727	0.5866	0.0037	0.041	0.0076
Base	4275	1520	SX Max	0.3417	0.0191	0.0599	0.0006	0.3171	0.0656
Base	4275	1520	SY Max	0.0053	0.429	1.477	0.0174	0.0048	0.001
Base	4275	1520	CIM1	-0.0162	-0.5791	2.1344	0.0106	0.0516	0.0099
Base	4275	1520	CIM2 Max	0.2973	-0.3595	1.5963	0.0077	0.2699	0.06
Base	4275	1520	CIM2 Min	-0.304	-0.4232	1.4926	0.0062	-0.2683	-0.0559

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4275	1520	CIM3 Max	0.0013	-0.0286	2.6453	0.0222	0.015	0.0029
Base	4275	1520	CIM3 Min	-0.0061	-0.7639	0.2456	-0.0064	0.0066	0.0012
Base	4275	1520	CIM4 Max	0.2125	-0.5233	2.0266	0.0103	0.2509	0.0514
Base	4275	1520	CIM4 Min	-0.2365	-0.5485	1.9476	0.0092	-0.1677	-0.0355
Base	4275	1520	CIM5 Max	-0.0095	-0.2527	2.962	0.0212	0.0447	0.0066
Base	4275	1520	CIM5 Min	-0.0166	-0.819	1.0124	-0.0016	0.0364	0.0073
Base	4275	1520	CIM6 Max	0.2966	-0.227	0.9501	0.0049	0.2655	0.0592
Base	4275	1520	CIM6 Min	-0.3027	-0.2607	0.6746	0.0034	-0.2726	-0.0567
Base	4275	1520	CIM7 Max	0.0027	0.1337	2.2271	0.0195	0.0107	0.0021
Base	4275	1520	CIM7 Min	-0.0067	-0.6214	-0.3724	-0.0112	0.0023	0.0004
Base	4276	2077	PP	0.0016	0.3321	0.9609	-0.0035	0.0016	-0.0005
Base	4276	2077	CA	0.0086	0.0451	0.1337	-0.0003	0.0096	-0.0026
Base	4276	2077	CV	0.039	0.1069	0.3261	-0.0004	0.0435	-0.0126
Base	4276	2077	SX Max	0.1934	0.0161	0.0449	0.0005	0.2145	0.0624
Base	4276	2077	SY Max	0.0031	0.4019	1.1706	0.0095	0.0034	0.001
Base	4276	2077	CIM1	0.0492	0.4641	1.4427	-0.0042	0.0549	-0.0161
Base	4276	2077	CIM2 Max	0.1604	0.3914	1.1541	-0.0034	0.2002	0.0516
Base	4276	2077	CIM2 Min	-0.1599	0.363	1.0752	-0.0042	-0.1774	-0.0563
Base	4276	2077	CIM3 Max	0.013	0.7308	2.1446	0.0046	0.0145	-0.0025
Base	4276	2077	CIM3 Min	0.0075	0.0236	0.0645	-0.0122	0.0064	-0.0042
Base	4276	2077	CIM4 Max	0.1671	0.4661	1.3803	-0.0038	0.1656	0.0263
Base	4276	2077	CIM4 Min	-0.0661	0.4467	1.3311	-0.0044	-0.0976	-0.0541
Base	4276	2077	CIM5 Max	0.0415	0.7226	2.1333	0.0022	0.0463	-0.0123
Base	4276	2077	CIM5 Min	0.0374	0.1922	0.5661	-0.0104	0.0416	-0.0136
Base	4276	2077	CIM6 Max	0.1763	0.2405	0.7063	-0.0019	0.1957	0.0529
Base	4276	2077	CIM6 Min	-0.164	0.2121	0.6293	-0.0027	-0.1619	-0.057
Base	4276	2077	CIM7 Max	0.0089	0.56	1.699	0.0061	0.0098	-0.0011
Base	4276	2077	CIM7 Min	0.0034	-0.1273	-0.3614	-0.0107	0.0035	-0.0029
Base	4277	2061	PP	-0.0006	-0.3493	1.3514	0.0059	0.0017	0.0003
Base	4277	2061	CA	-0.0029	-0.0569	0.2031	0.0011	0.009	0.0017
Base	4277	2061	CV	-0.0132	-0.1717	0.5872	0.0037	0.0406	0.0077
Base	4277	2061	SX Max	0.341	0.0192	0.0601	0.0006	0.317	0.0653
Base	4277	2061	SY Max	0.0056	0.4299	1.4642	0.0176	0.0052	0.0011
Base	4277	2061	CIM1	-0.0167	-0.5776	2.1416	0.0108	0.0515	0.0097
Base	4277	2061	CIM2 Max	0.2966	-0.3692	1.6073	0.0077	0.2697	0.0595
Base	4277	2061	CIM2 Min	-0.3036	-0.423	1.5015	0.0063	-0.2683	-0.0554
Base	4277	2061	CIM3 Max	0.0016	-0.0276	2.6605	0.0225	0.0153	0.003
Base	4277	2061	CIM3 Min	-0.0065	-0.7644	0.2464	-0.0065	0.0062	0.0011
Base	4277	2061	CIM4 Max	0.2117	-0.5222	2.0345	0.0104	0.2506	0.0509
Base	4277	2061	CIM4 Min	-0.2364	-0.5475	1.9552	0.0093	-0.1679	-0.0353
Base	4277	2061	CIM5 Max	-0.0096	-0.2511	2.9744	0.0215	0.0447	0.0065
Base	4277	2061	CIM5 Min	-0.0172	-0.8186	1.0153	-0.0016	0.0379	0.0071
Base	4277	2061	CIM6 Max	0.296	-0.2266	0.9655	0.0049	0.2654	0.0567
Base	4277	2061	CIM6 Min	-0.3022	-0.2606	0.6796	0.0035	-0.2725	-0.0562
Base	4277	2061	CIM7 Max	0.003	0.1347	2.2367	0.0197	0.011	0.0022

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4277	2061	CIM7 Min	-0.0071	-0.622	-0.3734	-0.0113	0.0019	0.0003
Base	4276	2065	PP	0.0017	0.3368	1.1473	-0.0044	0.0022	-0.0005
Base	4276	2065	CA	0.0091	0.0462	0.1642	-0.0005	0.0113	-0.0026
Base	4276	2065	CV	0.0413	0.1172	0.4136	-0.0006	0.051	-0.0126
Base	4276	2065	SX Max	0.2515	0.0166	0.0494	0.0006	0.2571	0.063
Base	4276	2065	SY Max	0.0044	0.4003	1.265	0.0127	0.0043	0.0011
Base	4276	2065	CIM1	0.0522	0.5042	1.7253	-0.0057	0.0644	-0.016
Base	4276	2065	CIM2 Max	0.2321	0.4016	1.355	-0.0043	0.2397	0.0521
Base	4276	2065	CIM2 Min	-0.2104	0.3724	1.2651	-0.0054	-0.2129	-0.0567
Base	4276	2065	CIM3 Max	0.0147	0.7393	2.4423	0.0063	0.0172	-0.0024
Base	4276	2065	CIM3 Min	0.007	0.0347	0.1607	-0.0161	0.0096	-0.0043
Base	4276	2065	CIM4 Max	0.2076	0.4659	1.6545	-0.0051	0.2214	0.0267
Base	4276	2065	CIM4 Min	-0.1241	0.464	1.5893	-0.0059	-0.116	-0.0544
Base	4276	2065	CIM5 Max	0.0447	0.7391	2.47	0.0029	0.0545	-0.0121
Base	4276	2065	CIM5 Min	0.0389	0.2107	0.7736	-0.0139	0.0466	-0.0135
Base	4276	2065	CIM6 Max	0.2276	0.2466	0.8304	-0.0024	0.2343	0.0534
Base	4276	2065	CIM6 Min	-0.2146	0.2176	0.7434	-0.0034	-0.2182	-0.0574
Base	4276	2065	CIM7 Max	0.0104	0.5645	1.9177	0.0063	0.0119	-0.0011
Base	4276	2065	CIM7 Min	0.0026	-0.1201	-0.3439	-0.0141	0.0042	-0.0029
Base	4279	2069	PP	-0.0004	-0.3413	1.2255	0.0049	0.0017	0.0004
Base	4279	2069	CA	-0.0021	-0.0556	0.1662	0.0009	0.0069	0.0019
Base	4279	2069	CV	-0.0093	-0.1637	0.5376	0.0029	0.0402	0.0066
Base	4279	2069	SX Max	0.294	0.0179	0.0547	0.0007	0.2625	0.0644
Base	4279	2069	SY Max	0.0054	0.4065	1.3511	0.0145	0.0048	0.0011
Base	4279	2069	CIM1	-0.0116	-0.5609	1.9514	0.0087	0.0507	0.0109
Base	4279	2069	CIM2 Max	0.2563	-0.3814	1.4619	0.0063	0.2592	0.0569
Base	4279	2069	CIM2 Min	-0.2612	-0.4129	1.3656	0.0051	-0.236	-0.0544
Base	4279	2069	CIM3 Max	0.0023	-0.0394	2.6027	0.0165	0.0145	0.0032
Base	4279	2069	CIM3 Min	-0.0072	-0.7546	0.2246	-0.007	0.0063	0.0013
Base	4279	2069	CIM4 Max	0.1646	-0.5061	1.6531	0.0084	0.2272	0.0513
Base	4279	2069	CIM4 Min	-0.2035	-0.5317	1.7609	0.0075	-0.1456	-0.0337
Base	4279	2069	CIM5 Max	-0.0059	-0.2516	2.7067	0.0175	0.0439	0.0095
Base	4279	2069	CIM5 Min	-0.013	-0.7662	0.9253	-0.0016	0.0375	0.008
Base	4279	2069	CIM6 Max	0.2572	-0.2225	0.8964	0.0041	0.255	0.058
Base	4279	2069	CIM6 Min	-0.2602	-0.254	0.8001	0.0026	-0.2423	-0.0553
Base	4279	2069	CIM7 Max	0.0033	0.1194	2.0372	0.0162	0.0106	0.0023
Base	4279	2069	CIM7 Min	-0.0062	-0.596	-0.3407	-0.0093	0.0021	0.0004
Base	4260	2094	PP	0.0019	0.3479	1.3571	-0.0055	0.0025	-0.0005
Base	4260	2094	CA	0.0099	0.0527	0.2059	-0.0006	0.0135	-0.0026
Base	4260	2094	CV	0.045	0.1324	0.5326	-0.0016	0.0612	-0.0127
Base	4260	2094	SX Max	0.3273	0.0177	0.0546	0.0006	0.3127	0.0641
Base	4260	2094	SY Max	0.0074	0.4162	1.4403	0.0174	0.0067	0.0014
Base	4260	2094	CIM1	0.0566	0.533	2.0959	-0.0079	0.0773	-0.016
Base	4260	2094	CIM2 Max	0.2998	0.4162	1.6113	-0.0055	0.2912	0.053
Base	4260	2094	CIM2 Min	-0.2762	0.3649	1.5149	-0.0069	-0.2591	-0.0597

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4260	2094	CIM3 Max	0.0163	0.7668	2.6305	0.0091	0.0219	-0.0021
Base	4260	2094	CIM3 Min	0.0053	0.0342	0.2956	-0.0216	0.0102	-0.0045
Base	4260	2094	CIM4 Max	0.2615	0.5116	1.9969	-0.0069	0.2653	0.0294
Base	4260	2094	CIM4 Min	-0.1705	0.4662	1.9266	-0.008	-0.1444	-0.0551
Base	4260	2094	CIM5 Max	0.0504	0.7746	2.9133	0.0041	0.0664	-0.0119
Base	4260	2094	CIM5 Min	0.0407	0.2251	1.0121	-0.019	0.0575	-0.0136
Base	4260	2094	CIM6 Max	0.2951	0.2559	0.966	-0.003	0.2646	0.0544
Base	4260	2094	CIM6 Min	-0.2609	0.2247	0.8697	-0.0044	-0.2655	-0.0584
Base	4260	2094	CIM7 Max	0.0136	0.6066	2.2053	0.0116	0.0155	-0.0006
Base	4260	2094	CIM7 Min	0.0006	-0.126	-0.3296	-0.0191	0.0036	-0.0032
Base	4261	2095	PP	-0.0002	-0.3371	1.1232	0.004	0.0017	0.0004
Base	4261	2095	CA	-0.001	-0.0559	0.1774	0.0007	0.0069	0.0021
Base	4261	2095	CV	-0.0047	-0.1589	0.4976	0.0023	0.0401	0.0097
Base	4261	2095	SX Max	0.257	0.0175	0.0523	0.0006	0.2553	0.064
Base	4261	2095	SY Max	0.0063	0.3956	1.2664	0.0122	0.0055	0.0014
Base	4261	2095	CIM1	-0.006	-0.5519	1.7964	0.0071	0.0507	0.0122
Base	4261	2095	CIM2 Max	0.2249	-0.3776	1.3466	0.0053	0.2352	0.0566
Base	4261	2095	CIM2 Min	-0.2274	-0.4084	1.2546	0.0043	-0.2142	-0.0537
Base	4261	2095	CIM3 Max	0.0043	-0.0422	2.4166	0.0156	0.0154	0.0036
Base	4261	2095	CIM3 Min	-0.0066	-0.7436	0.1844	-0.006	0.0057	0.0013
Base	4261	2095	CIM4 Max	0.1646	-0.5006	1.7065	0.0069	0.2092	0.052
Base	4261	2095	CIM4 Min	-0.1744	-0.5237	1.6394	0.0061	-0.1279	-0.0324
Base	4261	2095	CIM5 Max	-0.0006	-0.2491	2.5111	0.0146	0.0443	0.0107
Base	4261	2095	CIM5 Min	-0.009	-0.7753	0.6366	-0.0016	0.037	0.0069
Base	4261	2095	CIM6 Max	0.2254	-0.2204	0.6264	0.0034	0.231	0.0576
Base	4261	2095	CIM6 Min	-0.2269	-0.2512	0.7343	0.0024	-0.2164	-0.0546
Base	4261	2095	CIM7 Max	0.0048	0.115	1.6965	0.0136	0.0112	0.0027
Base	4261	2095	CIM7 Min	-0.0063	-0.5666	-0.3356	-0.0079	0.0015	0.0003
Base	4262	2102	PP	-0.001	0.2736	1.0665	-0.002	0.0017	-0.0003
Base	4262	2102	CA	-4.64E-05	0.0177	0.0641	-0.0002	0.0002	-3.216E-05
Base	4262	2102	CV	-0.0002	0.0441	0.1576	-0.0004	0.0004	-0.0001
Base	4262	2102	SX Max	0.166	0.7149	2.3107	0.0104	0.0545	0.0144
Base	4262	2102	SY Max	0.4096	0.5066	1.5632	0.0174	0.131	0.0352
Base	4262	2102	CIM1	-0.0013	0.3354	1.2661	-0.0026	0.0023	-0.0004
Base	4262	2102	CIM2 Max	0.145	0.9204	3.1639	0.007	0.0499	0.0124
Base	4262	2102	CIM2 Min	-0.1472	-0.3376	-0.9026	-0.0113	-0.0461	-0.013
Base	4262	2102	CIM3 Max	0.3594	0.7371	2.5237	0.0131	0.1172	0.0306
Base	4262	2102	CIM3 Min	-0.3615	-0.1545	-0.2626	-0.0175	-0.1134	-0.0313
Base	4262	2102	CIM4 Max	0.1053	0.7962	2.7736	0.0044	0.0362	0.0092
Base	4262	2102	CIM4 Min	-0.1106	-0.1475	-0.2763	-0.0093	-0.0336	-0.0099
Base	4262	2102	CIM5 Max	0.2691	0.6567	2.2936	0.009	0.0656	0.0226
Base	4262	2102	CIM5 Min	-0.2716	-0.01	0.2036	-0.0139	-0.0643	-0.0236
Base	4262	2102	CIM6 Max	0.1455	0.6039	2.7117	0.0079	0.0491	0.0125
Base	4262	2102	CIM6 Min	-0.1467	-0.4543	-1.355	-0.0105	-0.0466	-0.0129
Base	4262	2102	CIM7 Max	0.3596	0.6205	2.0715	0.014	0.1164	0.0307

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4262	2102	CIM7 Min	-0.3611	-0.271	-0.7148	-0.0166	-0.1141	-0.0311
Base	4263	2106	PP	0.0004	-0.3342	1.4609	0.0067	-0.0006	-0.0001
Base	4263	2106	CA	0.0001	-0.0297	0.1235	0.0006	-0.0002	-2.593E-05
Base	4263	2106	CV	0.0003	-0.0456	0.1929	0.0008	-0.0006	-0.0001
Base	4263	2106	SX Max	0.2719	0.406	1.4942	0.0103	0.1147	0.024
Base	4263	2106	SY Max	0.0679	0.8409	2.7321	0.0352	0.0276	0.0059
Base	4263	2106	CIM1	0.0006	-0.4097	1.7974	0.006	-0.0014	-0.0002
Base	4263	2106	CIM2 Max	0.2396	-0.0067	2.9194	0.0163	0.1001	0.021
Base	4263	2106	CIM2 Min	-0.2367	-0.7212	0.2695	-0.0016	-0.1017	-0.0212
Base	4263	2106	CIM3 Max	0.0603	0.3761	4.0087	0.0382	0.0235	0.0051
Base	4263	2106	CIM3 Min	-0.0592	-1.104	-0.7996	-0.0237	-0.025	-0.0052
Base	4263	2106	CIM4 Max	0.1502	-0.1303	2.7353	0.0146	0.0744	0.0157
Base	4263	2106	CIM4 Min	-0.1767	-0.6662	0.7629	0.0011	-0.0769	-0.016
Base	4263	2106	CIM5 Max	0.0456	0.1567	3.5523	0.031	0.0169	0.0037
Base	4263	2106	CIM5 Min	-0.0441	-0.9533	-0.0541	-0.0154	-0.0194	-0.004
Base	4263	2106	CIM6 Max	0.2396	0.1389	2.2776	0.0134	0.1004	0.0211
Base	4263	2106	CIM6 Min	-0.239	-0.5756	-0.3523	-0.0047	-0.1014	-0.0212
Base	4263	2106	CIM7 Max	0.0601	0.5217	3.3669	0.0353	0.0236	0.0051
Base	4263	2106	CIM7 Min	-0.0594	-0.9584	-1.4416	-0.0266	-0.0247	-0.0052
Base	4264	2110	PP	-0.002	0.3339	1.0043	-0.0036	-0.0022	0.0006
Base	4264	2110	CA	-0.0099	0.0477	0.1439	-0.0004	-0.0111	0.0032
Base	4264	2110	CV	-0.045	0.1142	0.3579	-0.0005	-0.0505	0.0145
Base	4264	2110	SX Max	0.2036	0.0236	0.0574	0.0007	0.2219	0.0631
Base	4264	2110	SY Max	0.0032	0.3645	1.1362	0.0095	0.0034	0.001
Base	4264	2110	CIM1	-0.0569	0.4956	1.5061	-0.0044	-0.0639	0.0183
Base	4264	2110	CIM2 Max	0.1674	0.4023	1.1967	-0.0033	0.1619	0.0594
Base	4264	2110	CIM2 Min	-0.1912	0.3606	1.0976	-0.0046	-0.2066	-0.0517
Base	4264	2110	CIM3 Max	-0.0091	0.7199	2.1496	0.0044	-0.0103	0.0047
Base	4264	2110	CIM3 Min	-0.0148	0.0432	0.1465	-0.0124	-0.0164	0.003
Base	4264	2110	CIM4 Max	0.0666	0.4626	1.4545	-0.0036	0.0952	0.0564
Base	4264	2110	CIM4 Min	-0.1802	0.4517	1.3767	-0.0046	-0.1977	-0.0269
Base	4264	2110	CIM5 Max	-0.0435	0.721	2.1676	0.002	-0.049	0.0154
Base	4264	2110	CIM5 Min	-0.0476	0.2135	0.6654	-0.0106	-0.0535	0.0141
Base	4264	2110	CIM6 Max	0.1722	0.2497	0.7394	-0.0017	0.1673	0.0578
Base	4264	2110	CIM6 Min	-0.1865	0.2052	0.6364	-0.003	-0.2033	-0.0532
Base	4264	2110	CIM7 Max	-0.0043	0.5673	1.6905	0.006	-0.005	0.0032
Base	4264	2110	CIM7 Min	-0.01	-0.1094	-0.3127	-0.0105	-0.011	0.0014
Base	4265	2176	PP	0.0006	-0.3501	1.3457	0.0059	-0.002	-0.0004
Base	4265	2176	CA	0.0032	-0.0614	0.216	0.0012	-0.0102	-0.002
Base	4265	2176	CV	0.0145	-0.1637	0.6255	0.004	-0.0463	-0.0089
Base	4265	2176	SX Max	0.3411	0.0277	0.0697	0.0013	0.3165	0.0656
Base	4265	2176	SY Max	0.0054	0.4094	1.4131	0.0166	0.0049	0.001
Base	4265	2176	CIM1	0.0184	-0.5952	2.1891	0.011	-0.0586	-0.0112
Base	4265	2176	CIM2 Max	0.304	-0.3571	1.6249	0.0052	0.2666	0.0555
Base	4265	2176	CIM2 Min	-0.2963	-0.4359	1.5023	0.0059	-0.2911	-0.0602

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4265	2176	CIM3 Max	0.0086	-0.0512	2.6072	0.0217	-0.006	-0.0015
Base	4265	2176	CIM3 Min	-0.0009	-0.7717	0.3201	-0.0076	-0.0165	-0.0032
Base	4265	2176	CIM4 Max	0.2399	-0.531	2.0767	0.0109	0.1621	0.0344
Base	4265	2176	CIM4 Min	-0.2104	-0.5675	1.9866	0.0092	-0.2561	-0.0524
Base	4265	2176	CIM5 Max	0.0163	-0.2791	2.9654	0.021	-0.0436	-0.0063
Base	4265	2176	CIM5 Min	0.0112	-0.8194	1.1001	-0.0009	-0.0502	-0.0097
Base	4265	2176	CIM6 Max	0.3025	-0.2225	0.9995	0.0053	0.2715	0.0565
Base	4265	2176	CIM6 Min	-0.2979	-0.2713	0.8769	0.0031	-0.2662	-0.0593
Base	4265	2176	CIM7 Max	0.0071	0.1134	2.1617	0.0169	-0.0031	-0.0005
Base	4265	2176	CIM7 Min	-0.0024	-0.6071	-0.3054	-0.0104	-0.0116	-0.0023
Base	4266	2162	PP	-0.0019	0.3327	0.9626	-0.0035	-0.0022	0.0006
Base	4266	2162	CA	-0.0097	0.0469	0.1366	-0.0003	-0.0106	0.0032
Base	4266	2162	CV	-0.044	0.1121	0.3444	-0.0004	-0.0491	0.0144
Base	4266	2162	SX Max	0.1934	0.0226	0.0545	0.0007	0.2145	0.0624
Base	4266	2162	SY Max	0.0032	0.3636	1.1196	0.0091	0.0034	0.001
Base	4266	2162	CIM1	-0.0556	0.4916	1.466	-0.0042	-0.062	0.0162
Base	4266	2162	CIM2 Max	0.1566	0.3994	1.1696	-0.0032	0.1756	0.0567
Base	4266	2162	CIM2 Min	-0.1619	0.3597	1.0736	-0.0044	-0.2017	-0.0511
Base	4266	2162	CIM3 Max	-0.0066	0.7171	2.1071	0.0042	-0.0099	0.0047
Base	4266	2162	CIM3 Min	-0.0145	0.042	0.1361	-0.0119	-0.016	0.0029
Base	4266	2162	CIM4 Max	0.083	0.4765	1.4159	-0.0037	0.0918	0.0556
Base	4266	2162	CIM4 Min	-0.1723	0.4467	1.3439	-0.0046	-0.1913	-0.0266
Base	4266	2162	CIM5 Max	-0.0425	0.7168	2.119	0.0019	-0.0475	0.0153
Base	4266	2162	CIM5 Min	-0.0468	0.2104	0.6406	-0.0102	-0.052	0.014
Base	4266	2162	CIM6 Max	0.1632	0.2476	0.721	-0.0017	0.181	0.0572
Base	4266	2162	CIM6 Min	-0.1772	0.2076	0.625	-0.0029	-0.1965	-0.0526
Base	4266	2162	CIM7 Max	-0.0041	0.5653	1.6564	0.0056	-0.0046	0.0032
Base	4266	2162	CIM7 Min	-0.0096	-0.1096	-0.3125	-0.0103	-0.0106	0.0014
Base	4267	2166	PP	0.0007	-0.3504	1.3556	0.006	-0.002	-0.0004
Base	4267	2166	CA	0.0033	-0.0606	0.217	0.0012	-0.0101	-0.0019
Base	4267	2166	CV	0.0149	-0.1626	0.6237	0.004	-0.046	-0.0087
Base	4267	2166	SX Max	0.3404	0.0251	0.0715	0.0013	0.3167	0.0652
Base	4267	2166	SY Max	0.0057	0.4102	1.42	0.0169	0.0051	0.0011
Base	4267	2166	CIM1	0.0189	-0.5936	2.1963	0.0112	-0.0562	-0.011
Base	4267	2166	CIM2 Max	0.3035	-0.3665	1.6355	0.0063	0.2666	0.0551
Base	4267	2166	CIM2 Min	-0.2956	-0.436	1.5097	0.006	-0.2909	-0.0597
Base	4267	2166	CIM3 Max	0.009	-0.0503	2.6222	0.022	-0.0077	-0.0014
Base	4267	2166	CIM3 Min	-0.001	-0.7723	0.323	-0.0077	-0.0167	-0.0032
Base	4267	2166	CIM4 Max	0.2396	-0.5296	2.0676	0.011	0.1623	0.0342
Base	4267	2166	CIM4 Min	-0.2095	-0.5666	1.9932	0.0093	-0.2557	-0.0519
Base	4267	2166	CIM5 Max	0.0169	-0.2774	2.9776	0.0213	-0.0433	-0.0081
Base	4267	2166	CIM5 Min	0.0114	-0.8189	1.1032	-0.001	-0.0501	-0.0095
Base	4267	2166	CIM6 Max	0.3019	-0.222	1.0065	0.0054	0.2714	0.056
Base	4267	2166	CIM6 Min	-0.2971	-0.2715	0.8807	0.0032	-0.266	-0.0588
Base	4267	2166	CIM7 Max	0.0074	0.1142	2.1932	0.0191	-0.0026	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4267	2166	CIM7 Min	-0.0026	-0.6076	-0.3061	-0.0106	-0.0116	-0.0023
Base	4268	2190	PP	-0.0021	0.3394	1.1496	-0.0044	-0.0025	0.0006
Base	4268	2190	CA	-0.0103	0.0502	0.1706	-0.0005	-0.0127	0.0031
Base	4268	2190	CV	-0.0466	0.1231	0.4351	-0.0009	-0.0576	0.0143
Base	4268	2190	SX Max	0.2514	0.0242	0.0605	0.0009	0.257	0.0629
Base	4268	2190	SY Max	0.0045	0.3621	1.2293	0.0122	0.0044	0.0011
Base	4268	2190	CIM1	-0.059	0.5127	1.7554	-0.0057	-0.0726	0.018
Base	4268	2190	CIM2 Max	0.2089	0.4106	1.3736	-0.0041	0.2109	0.0591
Base	4268	2190	CIM2 Min	-0.2336	0.3663	1.2671	-0.0057	-0.2414	-0.0516
Base	4268	2190	CIM3 Max	-0.0063	0.7256	2.4021	0.0059	-0.0113	0.0047
Base	4268	2190	CIM3 Min	-0.0163	0.0533	0.2386	-0.0156	-0.0191	0.0026
Base	4268	2190	CIM4 Max	0.1166	0.4976	1.6866	-0.0049	0.1112	0.056
Base	4268	2190	CIM4 Min	-0.2132	0.4659	1.6067	-0.0061	-0.228	-0.027
Base	4268	2190	CIM5 Max	-0.0443	0.7341	2.456	0.0025	-0.0555	0.0152
Base	4268	2190	CIM5 Min	-0.0503	0.2297	0.8353	-0.0136	-0.0613	0.0136
Base	4268	2190	CIM6 Max	0.2136	0.255	0.8454	-0.0021	0.217	0.0576
Base	4268	2190	CIM6 Min	-0.2266	0.2125	0.739	-0.0037	-0.2353	-0.0531
Base	4268	2190	CIM7 Max	-0.0034	0.57	1.874	0.0076	-0.0053	0.0032
Base	4268	2190	CIM7 Min	-0.0114	-0.1025	-0.2695	-0.0137	-0.013	0.0013
Base	4269	2194	PP	0.0005	-0.3424	1.2293	0.0049	-0.002	-0.0004
Base	4269	2194	CA	0.0023	-0.0595	0.2006	0.001	-0.01	-0.0021
Base	4269	2194	CV	0.0105	-0.174	0.5706	0.0032	-0.0453	-0.0096
Base	4269	2194	SX Max	0.2934	0.0256	0.0662	0.0011	0.2622	0.0643
Base	4269	2194	SY Max	0.0054	0.366	1.2925	0.0139	0.0049	0.0011
Base	4269	2194	CIM1	0.0133	-0.5759	2.0009	0.009	-0.0573	-0.0123
Base	4269	2194	CIM2 Max	0.261	-0.3792	1.4663	0.0066	0.2364	0.054
Base	4269	2194	CIM2 Min	-0.2554	-0.4247	1.3716	0.0049	-0.2603	-0.0592
Base	4269	2194	CIM3 Max	0.0075	-0.0605	2.5674	0.0161	-0.0077	-0.0016
Base	4269	2194	CIM3 Min	-0.002	-0.7434	0.2927	-0.0064	-0.0162	-0.0036
Base	4269	2194	CIM4 Max	0.2044	-0.5154	1.9019	0.0089	0.1403	0.0326
Base	4269	2194	CIM4 Min	-0.153	-0.5495	1.8145	0.0075	-0.2322	-0.0523
Base	4269	2194	CIM5 Max	0.0143	-0.2764	2.7112	0.0174	-0.0426	-0.0092
Base	4269	2194	CIM5 Min	0.0071	-0.7585	1.0051	-0.001	-0.0492	-0.0106
Base	4269	2194	CIM6 Max	0.2599	-0.2184	0.9163	0.0044	0.2412	0.0551
Base	4269	2194	CIM6 Min	-0.2565	-0.2639	0.7996	0.0026	-0.2555	-0.0581
Base	4269	2194	CIM7 Max	0.0064	0.1003	1.9954	0.0157	-0.0029	-0.0006
Base	4269	2194	CIM7 Min	-0.0031	-0.5626	-0.2793	-0.0067	-0.0115	-0.0025
Base	4290	2220	PP	-0.0022	0.3456	1.36	-0.0055	-0.003	0.0006
Base	4290	2220	CA	-0.0112	0.0546	0.2142	-0.0006	-0.0152	0.0032
Base	4290	2220	CV	-0.0506	0.1394	0.5612	-0.0017	-0.0691	0.0143
Base	4290	2220	SX Max	0.3272	0.0274	0.0703	0.0012	0.3125	0.064
Base	4290	2220	SY Max	0.0062	0.3974	1.376	0.0167	0.0054	0.0011
Base	4290	2220	CIM1	-0.0642	0.5426	2.1354	-0.006	-0.0573	0.0161
Base	4290	2220	CIM2 Max	0.2745	0.4276	1.6361	-0.0052	0.2566	0.0601
Base	4290	2220	CIM2 Min	-0.3013	0.3793	1.5124	-0.0073	-0.2933	-0.0526

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4290	2220	CIM3 Max	-0.0079	0.7531	2.7666	0.0064	-0.0135	0.0047
Base	4290	2220	CIM3 Min	-0.0169	0.0537	0.3616	-0.0209	-0.0229	0.0026
Base	4290	2220	CIM4 Max	0.1644	0.5261	2.0415	-0.0067	0.1363	0.0566
Base	4290	2220	CIM4 Min	-0.2674	0.4696	1.9467	-0.0064	-0.2763	-0.0277
Base	4290	2220	CIM5 Max	-0.0474	0.7702	2.9046	0.0035	-0.0665	0.0152
Base	4290	2220	CIM5 Min	-0.0556	0.2457	1.0657	-0.0166	-0.0736	0.0138
Base	4290	2220	CIM6 Max	0.2799	0.2662	1.0064	-0.0027	0.2641	0.0566
Base	4290	2220	CIM6 Min	-0.296	0.2179	0.8627	-0.0046	-0.266	-0.0541
Base	4290	2220	CIM7 Max	-0.0026	0.5917	2.1571	0.0109	-0.0062	0.0032
Base	4290	2220	CIM7 Min	-0.0135	-0.1076	-0.2661	-0.0164	-0.0157	0.0013
Base	4291	2276	PP	0.0002	-0.3382	1.1266	0.0041	-0.002	-0.0005
Base	4291	2276	CA	0.0012	-0.0593	0.1666	0.0006	-0.01	-0.0024
Base	4291	2276	CV	0.0054	-0.1667	0.5263	0.0025	-0.0453	-0.0109
Base	4291	2276	SX Max	0.2567	0.023	0.0579	0.0009	0.2552	0.0639
Base	4291	2276	SY Max	0.0054	0.3604	1.2131	0.0117	0.0045	0.0011
Base	4291	2276	CIM1	0.0066	-0.5662	1.8435	0.0073	-0.0573	-0.0136
Base	4291	2276	CIM2 Max	0.2273	-0.3773	1.3662	0.0056	0.2126	0.0534
Base	4291	2276	CIM2 Min	-0.2245	-0.4176	1.2642	0.0041	-0.2365	-0.0591
Base	4291	2276	CIM3 Max	0.0062	-0.0627	2.3527	0.0152	-0.008	-0.0019
Base	4291	2276	CIM3 Min	-0.0034	-0.7323	0.2476	-0.0055	-0.0159	-0.0039
Base	4291	2276	CIM4 Max	0.1749	-0.5069	1.7497	0.0073	0.1225	0.0311
Base	4291	2276	CIM4 Min	-0.164	-0.5392	1.6732	0.0062	-0.2144	-0.0533
Base	4291	2276	CIM5 Max	0.009	-0.273	2.5121	0.0145	-0.043	-0.0103
Base	4291	2276	CIM5 Min	0.0019	-0.7751	0.9106	-0.001	-0.0469	-0.0116
Base	4291	2276	CIM6 Max	0.2267	-0.2163	0.8401	0.0037	0.2174	0.0545
Base	4291	2276	CIM6 Min	-0.225	-0.2587	0.7361	0.0022	-0.2317	-0.056
Base	4291	2276	CIM7 Max	0.0056	0.0963	1.6567	0.0132	-0.0032	-0.0007
Base	4291	2276	CIM7 Min	-0.0039	-0.5733	-0.2764	-0.0074	-0.0111	-0.0027
Base	4292	2296	PP	0.001	0.274	1.0705	-0.0019	-0.0016	0.0003
Base	4292	2296	CA	4.535E-05	0.0167	0.062	-0.0001	-0.0001	2.113E-05
Base	4292	2296	CV	0.0002	0.0479	0.1705	-0.0004	-0.0004	0.0001
Base	4292	2296	SX Max	0.1689	0.7402	2.3536	0.0113	0.0553	0.0146
Base	4292	2296	SY Max	0.4013	0.4631	1.5115	0.017	0.1292	0.0346
Base	4292	2296	CIM1	0.0013	0.3356	1.3033	-0.0025	-0.0023	0.0004
Base	4292	2296	CIM2 Max	0.1497	0.9421	3.2301	0.0079	0.0466	0.0132
Base	4292	2296	CIM2 Min	-0.1476	-0.3606	-0.9651	-0.012	-0.0505	-0.0126
Base	4292	2296	CIM3 Max	0.3542	0.7159	2.4627	0.0126	0.1119	0.0306
Base	4292	2296	CIM3 Min	-0.3521	-0.1344	-0.1976	-0.017	-0.1156	-0.0302
Base	4292	2296	CIM4 Max	0.1127	0.8152	2.8336	0.0051	0.0343	0.01
Base	4292	2296	CIM4 Min	-0.1103	-0.1619	-0.3126	-0.0099	-0.0367	-0.0093
Base	4292	2296	CIM5 Max	0.2661	0.6455	2.2562	0.0056	0.0631	0.0232
Base	4292	2296	CIM5 Min	-0.2636	0.0076	0.263	-0.0136	-0.0575	-0.0225
Base	4292	2296	CIM6 Max	0.1493	0.8256	2.7771	0.0057	0.0475	0.0131
Base	4292	2296	CIM6 Min	-0.148	-0.4769	-1.4161	-0.0112	-0.0496	-0.0127
Base	4292	2296	CIM7 Max	0.3536	0.5996	2.0097	0.0137	0.1126	0.0307

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4292	2296	CIM7 Min	-0.3525	-0.2507	-0.6506	-0.0162	-0.1146	-0.0303
Base	-6661		PP	0.0004	-0.1074	3.1697	0.0059	-1.733E-05	-2.714E-06
Base	-6661		CA	0.003	0.0059	0.4401	-3.001E-05	0.0025	2.572E-06
Base	-6661		CV	0.0053	0.0094	0.456	-4.8E-05	0.0042	4.797E-06
Base	-6661		SX Max	0.0996	0.296	0.1663	0.0157	0.7148	0.0005
Base	-6661		SY Max	0.1915	2.4965	1.6366	0.1482	0.1251	0.0002
Base	-6661		CIM1	0.0067	-0.0921	4.0676	0.0059	0.0067	4.654E-06
Base	-6661		CIM2 Max	0.7952	0.1606	3.7754	0.0197	0.6315	0.0004
Base	-6661		CIM2 Min	-0.7664	-0.3636	3.444	-0.0079	-0.6266	-0.0004
Base	-6661		CIM3 Max	0.1719	2.0854	5.2259	0.1363	0.1126	0.0002
Base	-6661		CIM3 Min	-0.1651	-2.2964	1.9935	-0.1245	-0.1076	-0.0002
Base	-6661		CIM4 Max	0.6012	0.1023	4.0776	0.0162	0.4774	0.0003
Base	-6661		CIM4 Min	-0.5665	-0.2911	3.829	-0.0045	-0.4661	-0.0003
Base	-6661		CIM5 Max	0.1337	1.5533	5.1654	0.1037	0.0852	0.0002
Base	-6661		CIM5 Min	-0.119	-1.7421	2.7411	-0.0919	-0.077	-0.0001
Base	-6661		CIM6 Max	0.7936	0.2014	2.3316	0.0174	0.6305	0.0004
Base	-6661		CIM6 Min	-0.7696	-0.3232	2.0001	-0.0103	-0.6275	-0.0004
Base	-6661		CIM7 Max	0.1705	2.136	3.762	0.1339	0.1116	0.0002
Base	-6661		CIM7 Min	-0.1665	-2.2576	0.5496	-0.1269	-0.1056	-0.0002
Base	-6670		PP	-0.0003	-0.2323	3.1405	0.0106	-0.0011	-3.098E-05
Base	-6670		CA	0.0013	0.011	0.4759	0.0001	0.0006	-1.151E-05
Base	-6670		CV	0.0021	0.0345	0.5236	-0.0002	0.0007	-2.051E-05
Base	-6670		SX Max	0.6511	0.3172	0.3736	0.0151	0.5209	0.0007
Base	-6670		SY Max	0.1691	2.4919	2.9672	0.1466	0.1196	0.0004
Base	-6670		CIM1	0.003	-0.1668	4.1402	0.0106	0.0002	-0.0001
Base	-6670		CIM2 Max	0.5739	0.0576	3.9451	0.0241	0.4579	0.0005
Base	-6670		CIM2 Min	-0.5721	-0.5004	3.2576	-0.0024	-0.459	-0.0006
Base	-6670		CIM3 Max	0.1673	1.9716	6.2275	0.1396	0.1045	0.0004
Base	-6670		CIM3 Min	-0.1655	-2.4142	1.0053	-0.1162	-0.1059	-0.0004
Base	-6670		CIM4 Max	0.4322	0.0139	4.2556	0.0206	0.3436	0.0004
Base	-6670		CIM4 Min	-0.4273	-0.4046	3.7627	0.0007	-0.3436	-0.0005
Base	-6670		CIM5 Max	0.1273	1.4492	5.9676	0.1074	0.079	0.0002
Base	-6670		CIM5 Min	-0.1223	-1.6401	2.0509	-0.0861	-0.079	-0.0004
Base	-6670		CIM6 Max	0.5735	0.1463	2.4966	0.0198	0.4561	0.0006
Base	-6670		CIM6 Min	-0.5724	-0.4119	1.6411	-0.0068	-0.4587	-0.0006
Base	-6670		CIM7 Max	0.167	2.0601	4.7609	0.1355	0.1051	0.0004
Base	-6670		CIM7 Min	-0.1659	-2.3257	-0.4413	-0.1225	-0.1057	-0.0004
Base	-6675		PP	-0.0064	-0.3993	3.1705	0.0229	-0.004	0.0001
Base	-6675		CA	-0.0046	0.0343	0.626	0.0003	-0.003	3.343E-05
Base	-6675		CV	-0.0067	0.111	0.6165	-0.0019	-0.0059	0.0001
Base	-6675		SX Max	0.3129	0.3719	0.7944	0.0174	0.2702	0.0006
Base	-6675		SY Max	0.1354	2.4863	4.7049	0.1607	0.076	0.0006
Base	-6675		CIM1	-0.0219	-0.2539	4.613	0.0212	-0.0129	0.0002
Base	-6675		CIM2 Max	0.2621	-0.0377	4.4956	0.0365	0.2305	0.0009
Base	-6675		CIM2 Min	-0.2866	-0.6922	3.0975	0.0079	-0.2446	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6675		CIM3 Max	0.1059	1.623	7.9366	0.1646	0.0599	0.0006
Base	6675		CIM3 Min	-0.1324	-2.5529	-0.3437	-0.1163	-0.0739	-0.0005
Base	6675		CIM4 Max	0.1666	-0.0362	4.9332	0.0332	0.1669	0.0007
Base	6675		CIM4 Min	-0.2262	-0.5271	3.6547	0.0103	-0.1697	-0.0004
Base	6675		CIM5 Max	0.0696	1.3593	7.5141	0.1276	0.0357	0.0007
Base	6675		CIM5 Min	-0.1091	-1.9226	1.3037	-0.0844	-0.0615	-0.0003
Base	6675		CIM6 Max	0.2674	0.1063	2.977	0.0292	0.2336	0.0006
Base	6675		CIM6 Min	-0.2633	-0.5463	1.5769	-0.0014	-0.242	-0.0006
Base	6675		CIM7 Max	0.1112	1.969	6.4182	0.1554	0.0627	0.0007
Base	6675		CIM7 Min	-0.1271	-2.4069	-1.6623	-0.1275	-0.0711	-0.0006
Base	6684		PP	0.0044	-0.4662	2.2337	0.0229	0.0022	2.447E-05
Base	6684		CA	0.0096	-0.1579	0.4277	0.0072	0.0066	0.0001
Base	6684		CV	0.0199	-0.2367	0.6145	0.0105	0.0139	0.0001
Base	6684		SX Max	0.194	0.5962	0.3107	0.0288	0.0631	0.0015
Base	6684		SY Max	0.0605	3.2466	2.5005	0.1577	0.0441	0.0007
Base	6684		CIM1	0.0341	-0.6629	3.2759	0.0406	0.0227	0.0002
Base	6684		CIM2 Max	0.1649	-0.0995	2.9346	0.0555	0.0619	0.0014
Base	6684		CIM2 Min	-0.1565	-1.1489	2.3679	0.0046	-0.0643	-0.0012
Base	6684		CIM3 Max	0.085	2.233	4.6616	0.1953	0.0475	0.0007
Base	6684		CIM3 Min	-0.0566	-3.4614	0.4609	-0.1351	-0.03	-0.0006
Base	6684		CIM4 Max	0.1572	-0.4097	3.3273	0.057	0.074	0.0011
Base	6684		CIM4 Min	-0.0969	-1.1967	2.9172	0.0169	-0.0356	-0.0006
Base	6684		CIM5 Max	0.0523	1.3397	4.7726	0.1619	0.0463	0.0007
Base	6684		CIM5 Min	-0.024	-2.9461	1.4719	-0.0859	-0.0099	-0.0003
Base	6684		CIM6 Max	0.1792	0.1502	1.6703	0.0435	0.0764	0.0013
Base	6684		CIM6 Min	-0.1622	-0.6992	1.3234	-0.0074	-0.0676	-0.0012
Base	6684		CIM7 Max	0.0794	2.4627	3.7973	0.1632	0.044	0.0007
Base	6684		CIM7 Min	-0.0623	-3.2317	-0.6036	-0.1472	-0.0335	-0.0006
Base	6694		PP	-0.0053	-0.5151	2.0126	0.0266	-0.0014	0.0001
Base	6694		CA	0.0006	-0.1155	0.2434	0.0049	0.0024	3.947E-06
Base	6694		CV	0.0026	-0.1494	0.26	0.0051	0.0055	-2.664E-06
Base	6694		SX Max	0.1541	0.5901	0.6757	0.0279	0.0616	0.0012
Base	6694		SY Max	0.1352	3.0625	3.5265	0.1575	0.0518	0.0004
Base	6694		CIM1	-0.0017	-0.78	2.5162	0.0368	0.0065	0.0001
Base	6694		CIM2 Max	0.1576	-0.1113	3.0266	0.0562	0.0726	0.0011
Base	6694		CIM2 Min	-0.1665	-1.1496	1.4656	0.0071	-0.0706	-0.001
Base	6694		CIM3 Max	0.1145	2.0644	5.3596	0.1967	0.0466	0.0004
Base	6694		CIM3 Min	-0.1235	-3.3256	-0.8472	-0.1333	-0.0446	-0.0003
Base	6694		CIM4 Max	0.1192	-0.3532	3.0292	0.054	0.059	0.0009
Base	6694		CIM4 Min	-0.1239	-1.1321	1.6732	0.0171	-0.0467	-0.0008
Base	6694		CIM5 Max	0.0569	1.2766	4.7767	0.1593	0.0393	0.0003
Base	6694		CIM5 Min	-0.0916	-2.7636	0.1237	-0.0862	-0.0291	-0.0002
Base	6694		CIM6 Max	0.1593	0.1409	2.1244	0.0436	0.0724	0.0011
Base	6694		CIM6 Min	-0.1647	-0.6976	0.5831	-0.0055	-0.0712	-0.001
Base	6694		CIM7 Max	0.1163	2.3166	4.4571	0.184	0.0462	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6694		CIM7 Min	-0.1217	-3.0733	-1.7496	-0.146	-0.045	-0.0003
Base	6704		PP	-0.001	-0.0607	3.1265	0.0046	-0.0005	3.052E-06
Base	6704		CA	-0.0073	-0.0037	0.4295	0.0005	-0.0067	-2.015E-06
Base	6704		CV	-0.0132	0.0052	0.442	-0.0001	-0.0122	-3.869E-06
Base	6704		SX Max	0.8432	0.0971	0.5923	0.0083	0.6652	0.0005
Base	6704		SY Max	0.1351	2.3427	1.4093	0.1392	0.0976	0.0002
Base	6704		CIM1	-0.0215	-0.0762	3.9979	0.0051	-0.0194	-2.852E-06
Base	6704		CIM2 Max	0.7337	0.001	4.0771	0.0107	0.5762	0.0004
Base	6704		CIM2 Min	-0.7503	-0.1696	3.0347	-0.0004	-0.5926	-0.0004
Base	6704		CIM3 Max	0.1106	1.9772	4.7961	0.1276	0.0767	0.0002
Base	6704		CIM3 Min	-0.1272	-2.146	2.3157	-0.1173	-0.0931	-0.0002
Base	6704		CIM4 Max	0.5363	-0.0142	4.2763	0.0092	0.4227	0.0003
Base	6704		CIM4 Min	-0.5747	-0.1424	3.4965	0.0009	-0.4554	-0.0003
Base	6704		CIM5 Max	0.071	1.4679	4.8176	0.0969	0.0461	0.0002
Base	6704		CIM5 Min	-0.1074	-1.6245	2.9573	-0.0868	-0.0506	-0.0002
Base	6704		CIM6 Max	0.737	0.0346	2.6546	0.0086	0.5811	0.0004
Base	6704		CIM6 Min	-0.747	-0.1361	1.6124	-0.0024	-0.5897	-0.0004
Base	6704		CIM7 Max	0.1139	2.011	3.3737	0.1256	0.0816	0.0002
Base	6704		CIM7 Min	-0.1239	-2.1123	0.6934	-0.1194	-0.0902	-0.0002
Base	6713		PP	0.0001	-0.2121	3.109	0.0099	0.0009	3.228E-05
Base	6713		CA	-0.0035	-0.0063	0.455	0.0008	-0.0035	0
Base	6713		CV	-0.0064	0.0162	0.463	0.0002	-0.0064	-3.695E-06
Base	6713		SX Max	0.6206	0.1304	0.7626	0.0057	0.4906	0.0007
Base	6713		SY Max	0.1251	2.3267	2.5039	0.1371	0.06	0.0007
Base	6713		CIM1	-0.0096	-0.2022	4.047	0.0109	-0.009	2.609E-05
Base	6713		CIM2 Max	0.5426	-0.1037	4.2351	0.0156	0.4293	0.0006
Base	6713		CIM2 Min	-0.5495	-0.3332	2.6929	0.0057	-0.4345	-0.0006
Base	6713		CIM3 Max	0.1067	1.629	5.7674	0.1313	0.0676	0.0006
Base	6713		CIM3 Min	-0.1135	-2.2659	1.3606	-0.11	-0.073	-0.0005
Base	6713		CIM4 Max	0.4014	-0.1202	4.4296	0.0146	0.3165	0.0005
Base	6713		CIM4 Min	-0.4176	-0.2923	3.423	0.0071	-0.3313	-0.0004
Base	6713		CIM5 Max	0.0744	1.3293	5.5769	0.1013	0.0454	0.0005
Base	6713		CIM5 Min	-0.0907	-1.7419	2.2737	-0.0796	-0.0602	-0.0004
Base	6713		CIM6 Max	0.5441	-0.0163	2.6095	0.0114	0.4303	0.0006
Base	6713		CIM6 Min	-0.5462	-0.2456	1.4673	0.0014	-0.4334	-0.0006
Base	6713		CIM7 Max	0.1061	1.9164	4.3416	0.127	0.0689	0.0006
Base	6713		CIM7 Min	-0.1121	-2.1785	-0.065	-0.1142	-0.072	-0.0006
Base	6716		PP	0.0091	-0.3796	3.1503	0.022	0.0042	-0.0001
Base	6716		CA	0.0035	0.0042	0.5662	0.0014	0.001	-3.735E-05
Base	6716		CV	0.0056	0.0593	0.679	-0.0005	0.0015	-0.0001
Base	6716		SX Max	0.3057	0.2272	1.2356	0.009	0.257	0.0006
Base	6716		SY Max	0.1642	2.3044	4.1656	0.1501	0.065	0.0007
Base	6716		CIM1	0.0162	-0.3161	4.3975	0.0226	0.0067	-0.0002
Base	6716		CIM2 Max	0.2617	-0.1755	4.6056	0.0313	0.2314	0.0006
Base	6716		CIM2 Min	-0.2563	-0.5753	2.6311	0.0154	-0.2209	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6718		CIM3 Max	0.1571	1.6525	7.3844	0.1554	0.0624	0.0004
Base	6718		CIM3 Min	-0.1316	-2.4033	0.0526	-0.1067	-0.052	-0.0007
Base	6718		CIM4 Max	0.2186	-0.161	5.0432	0.0269	0.176	0.0004
Base	6718		CIM4 Min	-0.1849	-0.4606	3.4122	0.017	-0.1632	-0.0007
Base	6718		CIM5 Max	0.1252	1.19	6.9772	0.122	0.0492	0.0003
Base	6718		CIM5 Min	-0.0915	-1.6516	1.4763	-0.0761	-0.0365	-0.0006
Base	6718		CIM6 Max	0.2766	-0.0254	3.3165	0.0219	0.2293	0.0007
Base	6718		CIM6 Min	-0.2614	-0.4251	1.1437	0.0061	-0.223	-0.0006
Base	6718		CIM7 Max	0.1521	1.6027	5.897	0.1461	0.0603	0.0005
Base	6718		CIM7 Min	-0.1369	-2.2532	-1.4348	-0.116	-0.054	-0.0007
Base	6727		PP	-0.0041	-0.4689	2.2365	0.0231	-0.0019	-2.122E-05
Base	6727		CA	-0.0061	-0.1422	0.4319	0.0068	-0.0053	-4.609E-05
Base	6727		CV	-0.0165	-0.2132	0.5704	0.0097	-0.0117	-0.0001
Base	6727		SX Max	0.2023	0.4906	0.3637	0.0226	0.0852	0.0014
Base	6727		SY Max	0.0726	2.9517	2.3235	0.1705	0.0399	0.0006
Base	6727		CIM1	-0.029	-0.6244	3.2406	0.0395	-0.0169	-0.0002
Base	6727		CIM2 Max	0.1656	-0.1792	2.9904	0.0496	0.0676	0.0012
Base	6727		CIM2 Min	-0.1903	-1.043	2.3504	0.01	-0.0823	-0.0013
Base	6727		CIM3 Max	0.0516	1.9664	4.7151	0.16	0.0279	0.0005
Base	6727		CIM3 Min	-0.0761	-3.2066	0.6257	-0.1202	-0.0423	-0.0006
Base	6727		CIM4 Max	0.1067	-0.4471	3.3362	0.052	0.0403	0.0006
Base	6727		CIM4 Min	-0.1564	-1.095	2.6562	0.0222	-0.0723	-0.0011
Base	6727		CIM5 Max	0.0231	1.1771	4.6317	0.1497	0.0103	0.0003
Base	6727		CIM5 Min	-0.0727	-2.7192	1.5647	-0.0754	-0.0423	-0.0006
Base	6727		CIM6 Max	0.1707	0.0653	1.9223	0.0378	0.0707	0.0012
Base	6727		CIM6 Min	-0.1654	-0.7986	1.2622	-0.002	-0.0794	-0.0013
Base	6727		CIM7 Max	0.0565	2.2306	3.647	0.166	0.0306	0.0005
Base	6727		CIM7 Min	-0.0712	-2.9642	-0.4425	-0.1322	-0.0394	-0.0006
Base	6737		PP	0.0061	-0.5141	2.0296	0.0269	0.0017	-0.0001
Base	6737		CA	0.0005	-0.0994	0.3067	0.0046	-0.0013	-1.063E-05
Base	6737		CV	-0.0016	-0.1336	0.2606	0.0045	-0.0043	-1.702E-06
Base	6737		SX Max	0.1665	0.5165	1.133	0.0216	0.0635	0.0013
Base	6737		SY Max	0.1267	2.7955	3.1639	0.1697	0.0475	0.0005
Base	6737		CIM1	0.0049	-0.7474	2.6191	0.0364	-0.0036	-0.0001
Base	6737		CIM2 Max	0.1724	-0.1572	3.3356	0.0506	0.0739	0.001
Base	6737		CIM2 Min	-0.1593	-1.0699	1.3415	0.0123	-0.073	-0.0012
Base	6737		CIM3 Max	0.116	1.8465	5.1226	0.1609	0.0423	0.0004
Base	6737		CIM3 Min	-0.1049	-3.0736	-0.4457	-0.1176	-0.0413	-0.0005
Base	6737		CIM4 Max	0.1297	-0.3717	3.2966	0.0496	0.0524	0.0006
Base	6737		CIM4 Min	-0.1191	-1.0562	1.6012	0.0206	-0.0576	-0.0009
Base	6737		CIM5 Max	0.0569	1.1311	4.6372	0.1472	0.0256	0.0002
Base	6737		CIM5 Min	-0.0763	-2.559	0.4606	-0.0768	-0.0341	-0.0004
Base	6737		CIM6 Max	0.1696	0.0662	2.4002	0.0351	0.0737	0.0011
Base	6737		CIM6 Min	-0.1619	-0.6244	0.4061	-0.0003	-0.0732	-0.0012
Base	6737		CIM7 Max	0.1154	2.0919	4.1674	0.1662	0.0421	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6737		CIM7 Min	-0.1076	-2.6282	-1.3611	-0.1304	-0.0415	-0.0005
Base	6747		PP	0.0932	0.0064	3.2246	-0.0026	0.0053	-0.0001
Base	6747		CA	0.1189	0.001	0.41	-0.0004	0.006	-1.179E-05
Base	6747		CV	0.3003	0.0017	0.6577	-0.0007	0.0149	-2.093E-05
Base	6747		SX Max	1.5624	0.1961	1.6917	0.0661	0.1162	0.0005
Base	6747		SY Max	0.5921	0.1444	0.5624	0.1047	0.0277	0.0019
Base	6747		CIM1	0.5123	0.0091	4.3225	-0.0037	0.0261	-0.0001
Base	6747		CIM2 Max	1.851	0.16	5.2995	0.0745	0.1152	0.0004
Base	6747		CIM2 Min	-1.4266	-0.1651	1.9702	-0.0805	-0.0926	-0.0006
Base	6747		CIM3 Max	0.7331	0.1345	4.1297	0.0691	0.0356	0.0016
Base	6747		CIM3 Min	-0.3069	-0.1196	3.1399	-0.0951	-0.0132	-0.0018
Base	6747		CIM4 Max	1.6665	0.1362	5.3991	0.0546	0.1004	0.0002
Base	6747		CIM4 Min	-0.7919	-0.1207	2.9021	-0.0616	-0.0556	-0.0005
Base	6747		CIM5 Max	0.826	0.104	4.5216	0.0656	0.0407	0.0011
Base	6747		CIM5 Min	0.0465	-0.0566	3.7794	-0.0726	0.0041	-0.0014
Base	6747		CIM6 Max	1.7662	0.177	3.8456	0.0757	0.1107	0.0004
Base	6747		CIM6 Min	-1.5116	-0.1661	0.5162	-0.0793	-0.0972	-0.0005
Base	6747		CIM7 Max	0.6463	0.1315	2.6756	0.0903	0.0311	0.0016
Base	6747		CIM7 Min	-0.3936	-0.1226	1.666	-0.0939	-0.0177	-0.0017
Base	6756		PP	-0.0607	-0.0005	3.2166	0.0005	-0.0031	4.811E-05
Base	6756		CA	0.1034	-0.0001	0.4662	0.0002	0.0053	7.666E-06
Base	6756		CV	0.2754	0.0001	0.6275	-1.912E-05	0.0143	1.066E-05
Base	6756		SX Max	1.5694	0.1615	0.5069	0.0991	0.1134	0.0006
Base	6756		SY Max	0.5831	0.3116	1.1009	0.1567	0.0241	0.0001
Base	6756		CIM1	0.3162	-0.0005	4.5103	0.0006	0.0165	0.0001
Base	6756		CIM2 Max	1.7054	0.1591	4.1269	0.0676	0.102	0.0005
Base	6756		CIM2 Min	-1.6199	-0.1604	3.2366	-0.0865	-0.0977	-0.0004
Base	6756		CIM3 Max	0.5559	0.2736	4.6516	0.1403	0.0233	0.0001
Base	6756		CIM3 Min	-0.4704	-0.2746	2.714	-0.139	-0.019	-1.26E-05
Base	6756		CIM4 Max	1.4963	0.1193	4.638	0.066	0.0676	0.0004
Base	6756		CIM4 Min	-0.9976	-0.1203	3.9669	-0.0646	-0.062	-0.0003
Base	6756		CIM5 Max	0.6342	0.2052	5.0301	0.1053	0.0256	0.0001
Base	6756		CIM5 Min	-0.1355	-0.2062	3.5769	-0.1041	-0.003	1.249E-05
Base	6756		CIM6 Max	1.6883	0.1594	2.6557	0.0676	0.1011	0.0005
Base	6756		CIM6 Min	-1.637	-0.1601	1.7637	-0.0868	-0.0955	-0.0005
Base	6756		CIM7 Max	0.5366	0.2739	3.1765	0.14	0.0225	0.0001
Base	6756		CIM7 Min	-0.4675	-0.2746	1.2409	-0.1393	-0.0199	-3.511E-05
Base	6761		PP	-0.2095	-0.0067	3.2396	0.0035	-0.0122	-0.0001
Base	6761		CA	0.0646	-0.0017	0.5112	0.0009	0.004	-1.429E-05
Base	6761		CV	0.1643	-0.0019	0.9059	0.0009	0.0116	-1.517E-05
Base	6761		SX Max	1.7577	0.0643	1.0361	0.0509	0.1264	0.001
Base	6761		SY Max	0.5461	0.1549	1.814	0.1056	0.0268	0.0018
Base	6761		CIM1	0.0397	-0.0103	4.6566	0.0054	0.0036	-0.0001
Base	6761		CIM2 Max	1.4021	0.0462	4.6626	0.0492	0.1046	0.0006
Base	6761		CIM2 Min	-1.6915	-0.0649	2.6392	-0.0403	-0.1211	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6761		CIM3 Max	0.3359	0.126	5.3473	0.0974	0.0172	0.0015
Base	6761		CIM3 Min	-0.6252	-0.1447	2.1547	-0.0665	-0.0335	-0.0016
Base	6761		CIM4 Max	1.1537	0.0326	5.1142	0.0357	0.0654	0.0006
Base	6761		CIM4 Min	-1.1665	-0.0522	3.7466	-0.0264	-0.0541	-0.0007
Base	6761		CIM5 Max	0.354	0.0924	5.6276	0.0749	0.0197	0.0011
Base	6761		CIM5 Min	-0.3666	-0.1121	3.2331	-0.0646	-0.0164	-0.0012
Base	6761		CIM6 Max	1.46	0.0516	3.1624	0.0474	0.1051	0.0006
Base	6761		CIM6 Min	-1.6336	-0.0616	1.3366	-0.0421	-0.1179	-0.0009
Base	6761		CIM7 Max	0.3936	0.1313	3.6469	0.0956	0.0205	0.0015
Base	6761		CIM7 Min	-0.5674	-0.1414	0.6543	-0.0903	-0.0303	-0.0016
Base	6770		PP	0.2041	-0.0071	2.7324	0.0035	0.0123	0.0001
Base	6770		CA	-0.0475	-0.0018	0.4161	0.001	-0.0032	1.23E-05
Base	6770		CV	-0.1391	-0.0022	0.7621	0.001	-0.0096	1.577E-05
Base	6770		SX Max	1.4507	0.045	1.1661	0.0365	0.1117	0.0007
Base	6770		SY Max	0.4179	0.0568	1.6456	0.074	0.0232	0.0011
Base	6770		CIM1	0.0175	-0.0111	3.9105	0.0055	-0.0005	0.0001
Base	6770		CIM2 Max	1.4595	0.0307	4.1746	0.0363	0.1074	0.0007
Base	6770		CIM2 Min	-1.1464	-0.0485	2.1223	-0.0294	-0.0891	-0.0005
Base	6770		CIM3 Max	0.5243	0.0675	4.5965	0.0696	0.0295	0.001
Base	6770		CIM3 Min	-0.2112	-0.0553	1.7003	-0.0607	-0.0112	-0.0009
Base	6770		CIM4 Max	1.0295	0.0192	4.4596	0.0306	0.0756	0.0005
Base	6770		CIM4 Min	-0.925	-0.0403	2.9504	-0.0202	-0.0716	-0.0004
Base	6770		CIM5 Max	0.3261	0.0466	4.8061	0.0541	0.0172	0.0006
Base	6770		CIM5 Min	-0.2236	-0.0676	2.6339	-0.0436	-0.0134	-0.0006
Base	6770		CIM6 Max	1.3969	0.0343	2.9152	0.0366	0.1038	0.0006
Base	6770		CIM6 Min	-1.2091	-0.045	0.8629	-0.0312	-0.0926	-0.0006
Base	6770		CIM7 Max	0.4617	0.0711	3.3371	0.0676	0.0258	0.001
Base	6770		CIM7 Min	-0.2739	-0.0617	0.441	-0.0624	-0.0149	-0.0009
Base	6779		PP	0.1062	-0.0012	2.7094	0.0012	0.0056	-1.642E-05
Base	6779		CA	-0.0761	-0.0003	0.3641	0.0004	-0.004	-3.23E-06
Base	6779		CV	-0.2124	-0.0002	0.7269	0.0003	-0.0116	-4.735E-06
Base	6779		SX Max	1.6226	0.1442	0.8695	0.0662	0.1006	0.0005
Base	6779		SY Max	0.4505	0.2493	1.1175	0.1332	0.0196	0.0007
Base	6779		CIM1	-0.1624	-0.0016	3.8204	0.0018	-0.01	-2.439E-05
Base	6779		CIM2 Max	1.4579	0.1255	3.1723	0.0774	0.0902	0.0004
Base	6779		CIM2 Min	-1.3878	-0.1264	3.0147	-0.0743	-0.067	-0.0004
Base	6779		CIM3 Max	0.4265	0.2179	4.0769	0.1166	0.0169	0.0006
Base	6779		CIM3 Min	-0.3664	-0.2206	2.1101	-0.1156	-0.0157	-0.0006
Base	6779		CIM4 Max	0.9416	0.0936	3.6977	0.0567	0.0593	0.0003
Base	6779		CIM4 Min	-1.2002	-0.0966	3.5796	-0.0551	-0.0736	-0.0003
Base	6779		CIM5 Max	0.1661	0.163	4.3762	0.0697	0.0058	0.0004
Base	6779		CIM5 Min	-0.4266	-0.1661	2.9011	-0.0861	-0.0201	-0.0005
Base	6779		CIM6 Max	1.4459	0.126	1.9349	0.0768	0.0695	0.0004
Base	6779		CIM6 Min	-1.4096	-0.1276	1.7773	-0.0749	-0.0576	-0.0004
Base	6779		CIM7 Max	0.4144	0.2165	2.6395	0.1162	0.0163	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6779		CIM7 Min	-0.3764	-0.2203	0.6727	-0.1163	-0.0163	-0.0006
Base	6784		PP	-0.0061	0.0004	2.7191	-0.0004	-0.0004	-2.405E-05
Base	6784		CA	-0.0906	0.0001	0.3426	9.711E-06	-0.0047	-2.617E-06
Base	6784		CV	-0.2443	0.0003	0.6411	-0.0002	-0.0129	-4.164E-06
Base	6784		SX Max	1.6217	0.1998	0.9034	0.1065	0.1029	0.0002
Base	6784		SY Max	0.4546	0.2429	0.7026	0.1313	0.0214	0.0007
Base	6784		CIM1	-0.3412	0.0006	3.7026	-0.0006	-0.016	-3.063E-05
Base	6784		CIM2 Max	1.3302	0.1763	3.6567	0.0933	0.0655	0.0002
Base	6784		CIM2 Min	-1.524	-0.1753	2.2666	-0.0942	-0.0956	-0.0002
Base	6784		CIM3 Max	0.3033	0.2142	3.6799	0.1152	0.0136	0.0006
Base	6784		CIM3 Min	-0.4972	-0.2133	2.4433	-0.116	-0.0239	-0.0006
Base	6784		CIM4 Max	0.7902	0.1325	4.1366	0.0698	0.0531	0.0001
Base	6784		CIM4 Min	-1.3505	-0.1311	2.9462	-0.0709	-0.0526	-0.0002
Base	6784		CIM5 Max	0.02	0.161	4.0062	0.0661	-0.0006	0.0004
Base	6784		CIM5 Min	-0.5603	-0.1596	3.0766	-0.0672	-0.0269	-0.0005
Base	6784		CIM6 Max	1.3689	0.1761	2.632	0.0935	0.0675	0.0002
Base	6784		CIM6 Min	-1.4653	-0.1755	1.042	-0.094	-0.0935	-0.0002
Base	6784		CIM7 Max	0.3421	0.214	2.4553	0.1153	0.0156	0.0006
Base	6784		CIM7 Min	-0.4564	-0.2135	1.2167	-0.1156	-0.0219	-0.0006
Base	6789		PP	-0.1059	0.007	2.7176	-0.0027	-0.006	0.0001
Base	6789		CA	-0.096	0.0008	0.296	-0.0003	-0.0052	7.843E-06
Base	6789		CV	-0.2503	0.0016	0.5362	-0.0006	-0.0136	1.584E-05
Base	6789		SX Max	1.5646	0.1593	1.9156	0.0751	0.1031	0.0004
Base	6789		SY Max	0.4556	0.0745	0.4042	0.071	0.0224	0.0012
Base	6789		CIM1	-0.4523	0.0094	3.5536	-0.0036	-0.0247	0.0001
Base	6789		CIM2 Max	1.1925	0.1461	4.7015	0.063	0.0796	0.0004
Base	6789		CIM2 Min	-1.5964	-0.1324	1.3297	-0.069	-0.1019	-0.0003
Base	6789		CIM3 Max	0.1992	0.0734	3.3713	0.0595	0.0056	0.0011
Base	6789		CIM3 Min	-0.603	-0.0577	2.6599	-0.0655	-0.0309	-0.0009
Base	6789		CIM4 Max	0.6561	0.1142	4.6837	0.0461	0.0467	0.0004
Base	6789		CIM4 Min	-1.4355	-0.0961	2.1546	-0.053	-0.0594	-0.0002
Base	6789		CIM5 Max	-0.0589	0.0552	3.666	0.0434	-0.0065	0.0006
Base	6789		CIM5 Min	-0.6905	-0.0401	3.1525	-0.0503	-0.0361	-0.0007
Base	6789		CIM6 Max	1.2733	0.1449	3.4952	0.0642	0.0641	0.0004
Base	6789		CIM6 Min	-1.5156	-0.1355	0.1235	-0.0678	-0.0974	-0.0003
Base	6789		CIM7 Max	0.26	0.0703	2.1651	0.0607	0.013	0.0011
Base	6789		CIM7 Min	-0.5223	-0.0606	1.4537	-0.0643	-0.0264	-0.001
Base	6798		PP	0.0029	0.4546	2.6132	-0.0251	0.0018	1.91E-05
Base	6798		CA	0.001	0.0592	0.4512	-0.0037	0.0011	7.4E-06
Base	6798		CV	0.0013	0.0524	0.4969	-0.0034	0.0016	9.162E-06
Base	6798		SX Max	0.2	0.3097	0.7759	0.0162	0.2229	0.0011
Base	6798		SY Max	0.1473	2.4406	2.9796	0.1558	0.0612	0.0005
Base	6798		CIM1	0.0052	0.5661	3.7613	-0.0321	0.0045	3.566E-05
Base	6798		CIM2 Max	0.16	0.7863	3.9471	-0.0145	0.199	0.001
Base	6798		CIM2 Min	-0.172	0.2412	2.5816	-0.043	-0.1932	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6798		CIM3 Max	0.1336	2.6615	5.5866	0.1083	0.0744	0.0004
Base	6798		CIM3 Min	-0.1256	-1.634	0.6421	-0.1656	-0.0686	-0.0004
Base	6798		CIM4 Max	0.1369	0.7575	4.1491	-0.0206	0.1512	0.0006
Base	6798		CIM4 Min	-0.1271	0.3456	3.1249	-0.042	-0.143	-0.0007
Base	6798		CIM5 Max	0.1021	2.1639	5.6037	0.0715	0.0577	0.0003
Base	6798		CIM5 Min	-0.0923	-1.0578	1.6703	-0.1341	-0.0495	-0.0003
Base	6798		CIM6 Max	0.1764	0.5606	2.6414	-0.003	0.1979	0.001
Base	6798		CIM6 Min	-0.1736	0.0357	1.2756	-0.0315	-0.1944	-0.0009
Base	6798		CIM7 Max	0.132	2.456	4.5609	0.1196	0.0732	0.0004
Base	6798		CIM7 Min	-0.1272	-1.6396	-0.6636	-0.1543	-0.0696	-0.0004
Base	6807		PP	0.0006	0.2652	2.6692	-0.0135	0.0009	-6.822E-06
Base	6807		CA	0.001	0.0343	0.4272	-0.0018	0.0015	-5.645E-06
Base	6807		CV	0.0016	0.0266	0.4574	-0.0016	0.0025	-8.68E-06
Base	6807		SX Max	0.5642	0.3047	0.4586	0.0154	0.4646	0.001
Base	6807		SY Max	0.2026	2.4312	1.7369	0.1439	0.1247	0.0003
Base	6807		CIM1	0.0032	0.3462	3.7536	-0.0169	0.0049	-2.115E-05
Base	6807		CIM2 Max	0.496	0.5677	3.7265	-0.0017	0.4113	0.0009
Base	6807		CIM2 Min	-0.4949	0.0515	2.6662	-0.0268	-0.4065	-0.0009
Base	6807		CIM3 Max	0.16	2.459	4.6246	0.1113	0.1121	0.0003
Base	6807		CIM3 Min	-0.1769	-1.6199	1.7679	-0.1418	-0.1074	-0.0003
Base	6807		CIM4 Max	0.3751	0.5421	3.962	-0.0063	0.3109	0.0006
Base	6807		CIM4 Min	-0.3696	0.1399	3.3166	-0.0266	-0.3024	-0.0007
Base	6807		CIM5 Max	0.1366	1.9456	4.7656	0.0785	0.0666	0.0002
Base	6807		CIM5 Min	-0.1311	-1.2636	2.4931	-0.1114	-0.076	-0.0002
Base	6807		CIM6 Max	0.4974	0.4596	2.406	0.0044	0.4103	0.0009
Base	6807		CIM6 Min	-0.4956	-0.0764	1.5477	-0.0227	-0.4075	-0.0009
Base	6807		CIM7 Max	0.1794	2.3312	3.5063	0.1174	0.1112	0.0003
Base	6807		CIM7 Min	-0.1775	-1.9477	0.4494	-0.1357	-0.1063	-0.0003
Base	6812		PP	0.0004	0.1664	2.9267	-0.0091	0.0006	-2.77E-06
Base	6812		CA	0.0021	0.0211	0.4146	-0.0013	0.0023	-5.669E-06
Base	6812		CV	0.0037	0.017	0.4355	-0.0011	0.0041	-9.925E-06
Base	6812		SX Max	0.642	0.2617	0.3034	0.0144	0.6621	0.0004
Base	6812		SY Max	0.194	2.3943	0.5399	0.1422	0.1253	0.0002
Base	6812		CIM1	0.0062	0.2066	3.7766	-0.0114	0.007	-1.838E-05
Base	6812		CIM2 Max	0.7435	0.4374	3.6063	0.0023	0.5656	0.0003
Base	6812		CIM2 Min	-0.7365	-0.0584	3.0743	-0.023	-0.5797	-0.0003
Base	6812		CIM3 Max	0.1733	2.2965	4.0604	0.1146	0.1132	0.0002
Base	6812		CIM3 Min	-0.1662	-1.9174	2.6022	-0.1355	-0.1074	-0.0002
Base	6812		CIM4 Max	0.561	0.3662	3.6661	-0.0017	0.443	0.0002
Base	6812		CIM4 Min	-0.5504	0.0164	3.4677	-0.0207	-0.431	-0.0003
Base	6812		CIM5 Max	0.1334	1.7625	4.2222	0.0827	0.0657	0.0001
Base	6812		CIM5 Min	-0.1226	-1.3779	3.1136	-0.105	-0.0767	-0.0002
Base	6812		CIM6 Max	0.7425	0.3616	2.2716	0.0064	0.5644	0.0003
Base	6812		CIM6 Min	-0.7395	-0.1342	1.7376	-0.0169	-0.5609	-0.0003
Base	6812		CIM7 Max	0.1722	2.2207	2.7439	0.1169	0.112	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6612		CIM7 Min	-0.1692	-1.9933	1.2657	-0.1314	-0.1065	-0.0002
Base	6617		PP	0.0005	0.0756	2.9572	-0.0035	0.0005	-1.165E-06
Base	6617		CA	0.0032	0.0136	0.4069	-0.0005	0.003	-2.346E-06
Base	6617		CV	0.0057	0.0121	0.4232	-0.0009	0.0054	-4.284E-06
Base	6617		SX Max	0.9702	0.2701	0.1761	0.0146	0.7644	0.0005
Base	6617		SY Max	0.141	2.3717	0.0264	0.1406	0.1017	0.0004
Base	6617		CIM1	0.0095	0.1015	3.7574	-0.0052	0.0069	-7.607E-06
Base	6617		CIM2 Max	0.6575	0.3272	3.5191	0.0065	0.6762	0.0005
Base	6617		CIM2 Min	-0.65	-0.1452	3.2092	-0.0171	-0.6691	-0.0005
Base	6617		CIM3 Max	0.1278	2.1765	3.3892	0.1196	0.0931	0.0003
Base	6617		CIM3 Min	-0.1203	-1.9976	3.3391	-0.1262	-0.066	-0.0003
Base	6617		CIM4 Max	0.6463	0.2768	3.7976	0.0046	0.5121	0.0003
Base	6617		CIM4 Min	-0.6323	-0.0796	3.5653	-0.0146	-0.4969	-0.0004
Base	6617		CIM5 Max	0.1011	1.6635	3.7003	0.066	0.0747	0.0002
Base	6617		CIM5 Min	-0.065	-1.4666	3.6626	-0.0979	-0.0596	-0.0003
Base	6617		CIM6 Max	0.656	0.2914	2.1734	0.0102	0.6746	0.0005
Base	6617		CIM6 Min	-0.6515	-0.164	1.6635	-0.0154	-0.6705	-0.0005
Base	6617		CIM7 Max	0.1263	2.1407	2.0435	0.1213	0.0917	0.0003
Base	6617		CIM7 Min	-0.1216	-2.0334	1.9935	-0.1265	-0.0874	-0.0003
Base	6622		PP	0.0012	0.4745	2.6494	-0.0264	0.0006	8.214E-06
Base	6622		CA	0.0004	0.0666	0.3793	-0.0039	-0.0009	7.766E-07
Base	6622		CV	0.0006	0.0574	0.4396	-0.0036	-0.0016	7.196E-07
Base	6622		SX Max	0.163	0.1396	0.5943	0.0063	0.1937	0.001
Base	6622		SY Max	0.0425	2.6292	2.4909	0.1637	0.0406	0.0003
Base	6622		CIM1	0.0022	0.5965	3.4663	-0.0339	-0.0022	9.71E-06
Base	6622		CIM2 Max	0.145	0.6641	3.8157	-0.023	0.1701	0.0009
Base	6622		CIM2 Min	-0.1416	0.416	2.2417	-0.0376	-0.1706	-0.0009
Base	6622		CIM3 Max	0.0369	2.6548	5.2207	0.1137	0.0356	0.0003
Base	6622		CIM3 Min	-0.0356	-1.7727	0.6367	-0.1743	-0.0363	-0.0003
Base	6622		CIM4 Max	0.1096	0.6764	3.9457	-0.0275	0.1261	0.0007
Base	6622		CIM4 Min	-0.1056	0.4918	2.7662	-0.0365	-0.1295	-0.0007
Base	6622		CIM5 Max	0.03	2.3194	5.0024	0.075	0.0252	0.0002
Base	6622		CIM5 Min	-0.026	-1.1512	1.7144	-0.141	-0.0257	-0.0002
Base	6622		CIM6 Max	0.1444	0.4477	2.6042	-0.0109	0.1702	0.0009
Base	6622		CIM6 Min	-0.1425	0.2016	1.0302	-0.0255	-0.1707	-0.0009
Base	6622		CIM7 Max	0.0363	2.6364	4.0092	0.1259	0.0357	0.0003
Base	6622		CIM7 Min	-0.0364	-1.9591	-0.3748	-0.1622	-0.0361	-0.0003
Base	6631		PP	-0.0002	0.3343	2.7149	-0.0163	-0.0002	-2.407E-06
Base	6631		CA	-0.0016	0.0461	0.375	-0.0023	-0.0026	6.43E-06
Base	6631		CV	-0.0033	0.0403	0.4064	-0.0022	-0.0052	1.236E-05
Base	6631		SX Max	0.4913	0.1356	0.7153	0.0076	0.4052	0.001
Base	6631		SY Max	0.115	2.5916	1.6139	0.1509	0.0656	0.0002
Base	6631		CIM1	-0.0053	0.4207	3.4964	-0.0207	-0.0061	1.64E-05
Base	6631		CIM2 Max	0.4303	0.5025	3.7194	-0.0116	0.3563	0.0009
Base	6631		CIM2 Min	-0.4343	0.2562	2.4605	-0.0253	-0.3622	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6631		CIM3 Max	0.0992	2.661	4.5102	0.1142	0.0724	0.0002
Base	6631		CIM3 Min	-0.1032	-1.9003	1.6697	-0.1514	-0.0783	-0.0002
Base	6631		CIM4 Max	0.3196	0.5022	3.6684	-0.0151	0.2626	0.0007
Base	6631		CIM4 Min	-0.3267	0.319	2.9242	-0.0252	-0.2762	-0.0006
Base	6631		CIM5 Max	0.0715	2.1211	4.4615	0.0794	0.0497	0.0002
Base	6631		CIM5 Min	-0.0803	-1.2999	2.3311	-0.1196	-0.0634	-0.0001
Base	6631		CIM6 Max	0.4311	0.3504	2.4635	-0.0044	0.3574	0.0009
Base	6631		CIM6 Min	-0.4335	0.106	1.2245	-0.0179	-0.361	-0.0009
Base	6631		CIM7 Max	0.1	2.5059	3.2742	0.1217	0.0736	0.0002
Base	6631		CIM7 Min	-0.1024	-2.0524	0.4337	-0.1439	-0.0771	-0.0002
Base	6636		PP	-0.0007	0.2195	2.6096	-0.0115	-0.0007	1.133E-06
Base	6636		CA	-0.0046	0.0309	0.3615	-0.0017	-0.0051	1.041E-05
Base	6636		CV	-0.0065	0.0313	0.3996	-0.0019	-0.0093	1.902E-05
Base	6636		SX Max	0.7525	0.1227	0.5976	0.0067	0.5915	0.0003
Base	6636		SY Max	0.1633	2.4443	0.9594	0.1423	0.1163	0.0001
Base	6636		CIM1	-0.0139	0.2617	3.5906	-0.0151	-0.015	3.057E-05
Base	6636		CIM2 Max	0.6566	0.3564	3.7171	-0.0074	0.5148	0.0003
Base	6636		CIM2 Min	-0.6676	0.1424	2.665	-0.0191	-0.5262	-0.0003
Base	6636		CIM3 Max	0.1383	2.4014	4.0617	0.112	0.0967	0.0001
Base	6636		CIM3 Min	-0.149	-1.9006	2.3204	-0.1365	-0.1081	-0.0001
Base	6636		CIM4 Max	0.4649	0.3549	3.6654	-0.0102	0.3777	0.0002
Base	6636		CIM4 Min	-0.5064	0.1929	3.0964	-0.0191	-0.4031	-0.0002
Base	6636		CIM5 Max	0.096	1.6671	4.1439	0.0793	0.0641	0.0001
Base	6636		CIM5 Min	-0.1195	-1.3393	2.6379	-0.1066	-0.0895	-0.0001
Base	6636		CIM6 Max	0.659	0.2563	2.4407	-0.0021	0.5171	0.0003
Base	6636		CIM6 Min	-0.6654	0.0422	1.3666	-0.0138	-0.5239	-0.0003
Base	6636		CIM7 Max	0.1404	2.3012	2.7653	0.1173	0.099	0.0001
Base	6636		CIM7 Min	-0.1469	-2.0007	1.044	-0.1332	-0.1056	-0.0001
Base	6641		PP	-0.0012	0.12	2.6742	-0.0055	-0.001	6.166E-07
Base	6641		CA	-0.0072	0.017	0.3674	-0.0007	-0.0069	3.969E-06
Base	6641		CV	-0.0131	0.023	0.3991	-0.0012	-0.0126	7.307E-06
Base	6641		SX Max	0.5606	0.1023	0.525	0.0061	0.6921	0.0005
Base	6641		SY Max	0.1725	2.3246	0.3173	0.1371	0.1241	0.0002
Base	6641		CIM1	-0.0214	0.16	3.6607	-0.0077	-0.0205	1.169E-05
Base	6641		CIM2 Max	0.7666	0.227	3.7236	-0.0011	0.6011	0.0004
Base	6641		CIM2 Min	-0.7832	0.047	2.7996	-0.0119	-0.6169	-0.0004
Base	6641		CIM3 Max	0.1435	2.1627	3.5406	0.1141	0.1013	0.0002
Base	6641		CIM3 Min	-0.1601	-1.9067	2.9624	-0.1271	-0.1171	-0.0002
Base	6641		CIM4 Max	0.563	0.2217	3.9074	-0.0034	0.4394	0.0003
Base	6641		CIM4 Min	-0.5893	0.0667	3.2144	-0.0114	-0.4741	-0.0003
Base	6641		CIM5 Max	0.0957	1.6665	3.7703	0.0631	0.0645	0.0002
Base	6641		CIM5 Min	-0.132	-1.38	3.3515	-0.0979	-0.0993	-0.0001
Base	6641		CIM6 Max	0.7699	0.1722	2.419	0.0015	0.6043	0.0004
Base	6641		CIM6 Min	-0.7799	-0.0078	1.4949	-0.0093	-0.6136	-0.0004
Base	6641		CIM7 Max	0.1466	2.1279	2.2361	0.1167	0.1045	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6641		CIM7 Min	-0.1568	-1.9635	1.6776	-0.1245	-0.1139	-0.0002
Base	6646		PP	0.0065	-0.3938	3.1753	0.0218	0.0026	-0.0001
Base	6646		CA	0.0006	-0.01	0.3763	0.0012	0.0003	-1.764E-05
Base	6646		CV	0.0024	0.0193	0.436	0.0002	0.0019	-2.165E-05
Base	6646		SX Max	0.2662	0.2466	1.324	0.0143	0.2106	0.0006
Base	6646		SY Max	0.0793	2.2731	4.9469	0.1493	0.0535	0.0006
Base	6646		CIM1	0.0097	-0.3645	3.9577	0.0232	0.0049	-0.0001
Base	6646		CIM2 Max	0.2609	-0.1651	4.7166	0.0356	0.1654	0.0006
Base	6646		CIM2 Min	-0.2463	-0.6226	2.3665	0.0105	-0.1523	-0.0006
Base	6646		CIM3 Max	0.077	1.5965	7.9067	0.1544	0.0504	0.0004
Base	6646		CIM3 Min	-0.0625	-2.4042	-0.6034	-0.1063	-0.0444	-0.0006
Base	6646		CIM4 Max	0.1993	-0.2253	4.7525	0.0326	0.1434	0.0004
Base	6646		CIM4 Min	-0.1611	-0.5534	3.0046	0.0136	-0.1346	-0.0007
Base	6646		CIM5 Max	0.0614	1.1109	7.1449	0.1217	0.0399	0.0002
Base	6646		CIM5 Min	-0.0432	-1.6596	0.6124	-0.0753	-0.0311	-0.0005
Base	6646		CIM6 Max	0.256	-0.0235	3.2961	0.0264	0.1672	0.0006
Base	6646		CIM6 Min	-0.2492	-0.461	0.9659	0.0013	-0.1636	-0.0006
Base	6646		CIM7 Max	0.0741	1.7561	6.486	0.1452	0.0492	0.0004
Base	6646		CIM7 Min	-0.0654	-2.2427	-2.224	-0.1175	-0.0456	-0.0006
Base	6655		PP	-0.0004	-0.2226	3.1706	0.0103	0.0004	2.59E-05
Base	6655		CA	-0.0016	-0.0037	0.3369	0.0001	-0.0014	3.056E-06
Base	6655		CV	-0.0006	0.0066	0.354	-0.0003	0.0001	7.542E-06
Base	6655		SX Max	0.5026	0.2094	1.0047	0.0129	0.3796	0.0007
Base	6655		SY Max	0.137	2.3141	2.9326	0.1393	0.0976	0.0003
Base	6655		CIM1	-0.0026	-0.2179	3.6635	0.0102	-0.001	3.653E-05
Base	6655		CIM2 Max	0.4402	-0.0423	4.3936	0.0216	0.333	0.0007
Base	6655		CIM2 Min	-0.4446	-0.4106	2.6254	-0.001	-0.3351	-0.0006
Base	6655		CIM3 Max	0.1163	1.6096	6.0901	0.133	0.0646	0.0003
Base	6655		CIM3 Min	-0.1227	-2.2629	0.9269	-0.1122	-0.0569	-0.0003
Base	6655		CIM4 Max	0.3292	-0.0619	4.436	0.0166	0.2496	0.0005
Base	6655		CIM4 Min	-0.3345	-0.3583	3.1119	0.0017	-0.2515	-0.0005
Base	6655		CIM5 Max	0.0677	1.3072	5.7105	0.1022	0.0634	0.0003
Base	6655		CIM5 Min	-0.0931	-1.7474	1.8395	-0.0617	-0.0654	-0.0002
Base	6655		CIM6 Max	0.4411	0.0463	2.9696	0.0176	0.3334	0.0007
Base	6655		CIM6 Min	-0.4436	-0.3202	1.2216	-0.0051	-0.3347	-0.0006
Base	6655		CIM7 Max	0.1192	1.9004	4.6863	0.1266	0.0653	0.0003
Base	6655		CIM7 Min	-0.1216	-2.1723	-0.4749	-0.1163	-0.0565	-0.0003
Base	6660		PP	-0.0009	-0.0695	3.217	0.0045	-0.0004	3.046E-06
Base	6660		CA	-0.0027	-0.0002	0.3369	4.635E-05	-0.0022	6.749E-07
Base	6660		CV	-0.0013	0.0042	0.342	-0.0002	-0.0007	0
Base	6660		SX Max	0.6366	0.2066	0.6646	0.0123	0.5073	0.0013
Base	6660		SY Max	0.1729	2.3512	1.5856	0.1412	0.1197	0.0002
Base	6660		CIM1	-0.005	-0.0655	3.6959	0.0044	-0.0034	4.126E-06
Base	6660		CIM2 Max	0.5586	0.0936	4.3149	0.0154	0.4436	0.0011
Base	6660		CIM2 Min	-0.5656	-0.2733	2.7929	-0.0062	-0.449	-0.0011

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6660		CIM3 Max	0.1485	1.9794	4.9494	0.1288	0.1027	0.0002
Base	6660		CIM3 Min	-0.1557	-2.1588	2.1564	-0.1196	-0.108	-0.0002
Base	6660		CIM4 Max	0.417	0.0511	4.3511	0.0126	0.3316	0.0006
Base	6660		CIM4 Min	-0.4262	-0.2242	3.2396	-0.0037	-0.336	-0.0006
Base	6660		CIM5 Max	0.1095	1.4652	4.857	0.0976	0.0758	0.0001
Base	6660		CIM5 Min	-0.1167	-1.6384	2.7637	-0.0867	-0.0822	-0.0001
Base	6660		CIM6 Max	0.56	0.1297	2.6933	0.0136	0.4446	0.0011
Base	6660		CIM6 Min	-0.5643	-0.2374	1.3713	-0.0061	-0.448	-0.0011
Base	6660		CIM7 Max	0.1499	2.0153	3.5276	0.127	0.1036	0.0002
Base	6660		CIM7 Min	-0.1543	-2.1229	0.7366	-0.1215	-0.1069	-0.0002
Base	6665		PP	-0.0009	0.0209	3.2346	-0.0012	-0.0004	0
Base	6665		CA	-0.0025	0.0023	0.3466	-0.0003	-0.0021	1.774E-06
Base	6665		CV	-0.0013	0.0022	0.3527	-0.0003	-0.0006	7.942E-07
Base	6665		SX Max	0.74	0.2224	0.791	0.0129	0.5551	0.001
Base	6665		SY Max	0.1552	2.393	0.4193	0.1407	0.1054	0.0002
Base	6665		CIM1	-0.0047	0.0255	3.9341	-0.0016	-0.0033	3.06E-06
Base	6665		CIM2 Max	0.6479	0.2169	4.2775	0.0099	0.515	0.0006
Base	6665		CIM2 Min	-0.6546	-0.1724	2.6653	-0.0129	-0.5201	-0.0006
Base	6665		CIM3 Max	0.1332	2.1291	3.9504	0.1223	0.0926	0.0002
Base	6665		CIM3 Min	-0.1399	-2.0626	3.2124	-0.1253	-0.0979	-0.0002
Base	6665		CIM4 Max	0.4641	0.1717	4.366	0.0068	0.365	0.0006
Base	6665		CIM4 Min	-0.4926	-0.1219	3.3236	-0.0102	-0.3913	-0.0006
Base	6665		CIM5 Max	0.0951	1.6043	4.1227	0.0912	0.0654	0.0002
Base	6665		CIM5 Min	-0.1068	-1.5545	3.5691	-0.0945	-0.0746	-0.0002
Base	6665		CIM6 Max	0.6492	0.2096	2.6449	0.0105	0.516	0.0006
Base	6665		CIM6 Min	-0.6532	-0.1617	1.4526	-0.0123	-0.519	-0.0006
Base	6665		CIM7 Max	0.1346	2.1196	2.5179	0.1229	0.0936	0.0002
Base	6665		CIM7 Min	-0.1366	-2.0919	1.7796	-0.1247	-0.0969	-0.0002
Base	6670		PP	-0.0004	0.1309	3.2295	-0.0071	0.0001	-2.607E-06
Base	6670		CA	-0.0016	0.0044	0.3676	-0.0005	-0.0013	0
Base	6670		CV	-0.0009	0.0029	0.3793	-0.0006	-0.0002	-3.269E-06
Base	6670		SX Max	0.7705	0.25	0.6125	0.014	0.5927	0.0007
Base	6670		SY Max	0.0934	2.4302	0.7092	0.1444	0.0659	0.0002
Base	6670		CIM1	-0.0029	0.1363	3.9766	-0.0062	-0.0014	-5.614E-06
Base	6670		CIM2 Max	0.6759	0.3553	4.3123	0.0047	0.5203	0.0006
Base	6670		CIM2 Min	-0.6801	-0.0646	2.6823	-0.0199	-0.5226	-0.0006
Base	6670		CIM3 Max	0.0601	2.274	4.2215	0.1195	0.0594	0.0002
Base	6670		CIM3 Min	-0.0642	-2.0032	2.9732	-0.1347	-0.0616	-0.0002
Base	6670		CIM4 Max	0.5056	0.3025	4.416	0.0012	0.3696	0.0004
Base	6670		CIM4 Min	-0.5112	-0.0274	3.3455	-0.0173	-0.3926	-0.0004
Base	6670		CIM5 Max	0.0569	1.7415	4.3499	0.0573	0.0441	0.0002
Base	6670		CIM5 Min	-0.0644	-1.4664	3.4137	-0.1034	-0.0466	-0.0002
Base	6670		CIM6 Max	0.6766	0.3012	2.6734	0.0076	0.5206	0.0006
Base	6670		CIM6 Min	-0.6792	-0.1366	1.4434	-0.0169	-0.5223	-0.0006
Base	6670		CIM7 Max	0.061	2.2196	2.7625	0.1225	0.0599	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6670		CIM7 Min	-0.0634	-2.0574	1.5343	-0.1317	-0.0613	-0.0002
Base	6675		PP	0.0005	0.2612	3.1994	-0.0124	0.0014	-3.623E-05
Base	6675		CA	-0.0002	0.0056	0.4067	-0.0009	0.0001	-1.252E-05
Base	6675		CV	0.0004	-0.0027	0.433	-0.0009	0.0013	-2.133E-05
Base	6675		SX Max	0.6311	0.2916	0.9723	0.0153	0.46	0.001
Base	6675		SY Max	0.083	2.455	1.9059	0.1457	0.045	0.0007
Base	6675		CIM1	0.0007	0.2642	4.039	-0.0142	0.0026	-0.0001
Base	6675		CIM2 Max	0.5557	0.5237	4.4617	0.0002	0.424	0.0009
Base	6675		CIM2 Min	-0.555	0.0102	2.7504	-0.0266	-0.4209	-0.0009
Base	6675		CIM3 Max	0.0734	2.4274	5.2833	0.1149	0.0411	0.0006
Base	6675		CIM3 Min	-0.0726	-1.6935	1.9266	-0.1415	-0.036	-0.0007
Base	6675		CIM4 Max	0.4171	0.4575	4.5725	-0.0039	0.3193	0.0006
Base	6675		CIM4 Min	-0.4159	0.0724	3.2691	-0.0241	-0.3143	-0.0007
Base	6675		CIM5 Max	0.0554	1.6653	5.1667	0.0622	0.0322	0.0004
Base	6675		CIM5 Min	-0.0542	-1.3554	2.6729	-0.1101	-0.0272	-0.0005
Base	6675		CIM6 Max	0.5555	0.4169	3.0193	0.0055	0.4233	0.0009
Base	6675		CIM6 Min	-0.5552	-0.0966	1.306	-0.0215	-0.4215	-0.0009
Base	6675		CIM7 Max	0.0733	2.3206	3.8406	0.1202	0.0405	0.0006
Base	6675		CIM7 Min	-0.0729	-2.0002	0.4864	-0.1362	-0.0367	-0.0006
Base	6660		PP	0.0097	0.4268	3.2394	-0.0246	0.0048	0.0001
Base	6660		CA	0.004	-0.0022	0.5222	-0.0014	0.0024	3.109E-05
Base	6660		CV	0.0063	-0.0349	0.6156	-0.0006	0.0044	4.572E-05
Base	6660		SX Max	0.3193	0.3513	1.461	0.0172	0.2625	0.0013
Base	6660		SY Max	0.173	2.4148	3.6417	0.1556	0.0568	0.0007
Base	6660		CIM1	0.0201	0.3697	4.3773	-0.0266	0.0116	0.0002
Base	6660		CIM2 Max	0.2946	0.7336	5.0474	-0.0109	0.2362	0.0013
Base	6660		CIM2 Min	-0.2673	0.1155	2.4759	-0.0411	-0.2236	-0.001
Base	6660		CIM3 Max	0.166	2.5496	6.9664	0.1109	0.0572	0.0006
Base	6660		CIM3 Min	-0.1365	-1.7004	0.557	-0.163	-0.0426	-0.0005
Base	6660		CIM4 Max	0.2293	0.6303	5.1676	-0.0151	0.1637	0.001
Base	6660		CIM4 Min	-0.1922	0.1666	3.2591	-0.0376	-0.1627	-0.0007
Base	6660		CIM5 Max	0.1327	1.9822	6.6269	0.0763	0.046	0.0007
Base	6660		CIM5 Min	-0.0957	-1.1953	1.5196	-0.1292	-0.027	-0.0003
Base	6660		CIM6 Max	0.2693	0.5639	3.5427	-0.0005	0.2353	0.0012
Base	6660		CIM6 Min	-0.2726	-0.0544	0.9713	-0.0307	-0.2266	-0.001
Base	6660		CIM7 Max	0.1606	2.3796	5.4617	0.1213	0.0543	0.0007
Base	6660		CIM7 Min	-0.144	-1.6702	-0.9477	-0.1526	-0.0457	-0.0006
Base	6669		PP	0.0061	-0.3945	3.2066	0.0222	0.0067	-4.161E-05
Base	6669		CA	0.0154	-0.037	0.4266	0.0025	0.0169	-0.0001
Base	6669		CV	-0.0046	-0.0293	0.3546	0.0018	-0.0062	0.0001
Base	6669		SX Max	0.9306	0.1259	1.1223	0.009	0.7551	0.0031
Base	6669		SY Max	0.1097	1.6198	6.6247	0.1185	0.0914	0.0005
Base	6669		CIM1	0.0166	-0.4606	3.9699	0.0265	0.0174	-0.0001
Base	6669		CIM2 Max	0.5404	-0.3161	4.6226	0.0326	0.7171	0.0026
Base	6669		CIM2 Min	-0.7975	-0.5449	2.6477	0.0167	-0.6699	-0.0029

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6669		CIM3 Max	0.116	0.994	9.465	0.129	0.104	0.0003
Base	6669		CIM3 Min	-0.0751	-1.6569	-2.1945	-0.0796	-0.0566	-0.0005
Base	6669		CIM4 Max	0.6322	-0.3684	4.6419	0.032	0.5391	0.002
Base	6669		CIM4 Min	-0.5963	-0.5385	3.1605	0.0201	-0.5012	-0.0021
Base	6669		CIM5 Max	0.0904	0.6156	6.2736	0.1043	0.0793	0.0002
Base	6669		CIM5 Min	-0.0545	-1.5225	-0.4711	-0.0522	-0.0414	-0.0004
Base	6669		CIM6 Max	0.6316	-0.1455	3.1667	0.0227	0.7077	0.0027
Base	6669		CIM6 Min	-0.6061	-0.3723	1.1936	0.0069	-0.6794	-0.0026
Base	6669		CIM7 Max	0.1094	1.1666	6.0109	0.1191	0.0946	0.0003
Base	6669		CIM7 Min	-0.0837	-1.6643	-3.6456	-0.0895	-0.0663	-0.0005
Base	6698		PP	0.0042	-0.2356	3.1745	0.0113	0.0055	5.102E-06
Base	6698		CA	0.0126	-0.0063	0.4119	-3.248E-05	0.0154	1.114E-05
Base	6698		CV	0.003	-0.0041	0.3536	-0.0002	-0.0002	-5.204E-06
Base	6698		SX Max	0.6041	0.0963	0.9505	0.0068	0.7156	0.0007
Base	6698		SY Max	0.0743	1.7039	4.064	0.1096	0.065	0.0001
Base	6698		CIM1	0.0196	-0.2459	3.94	0.011	0.0208	6.035E-06
Base	6698		CIM2 Max	0.7244	-0.1553	4.4229	0.0172	0.6507	0.0006
Base	6698		CIM2 Min	-0.6906	-0.3284	2.75	0.0053	-0.6057	-0.0006
Base	6698		CIM3 Max	0.0622	1.2576	7.1604	0.1077	0.0761	0.0001
Base	6698		CIM3 Min	-0.0465	-1.7413	-0.0075	-0.0853	-0.0362	-0.0001
Base	6698		CIM4 Max	0.5496	-0.18	4.479	0.0155	0.4931	0.0005
Base	6698		CIM4 Min	-0.5116	-0.3096	3.2243	0.0066	-0.4514	-0.0005
Base	6698		CIM5 Max	0.0661	0.6797	6.5471	0.0834	0.0637	0.0001
Base	6698		CIM5 Min	-0.0299	-1.3696	1.1562	-0.0613	-0.022	-0.0001
Base	6698		CIM6 Max	0.7177	-0.0566	2.9663	0.0127	0.6423	0.0006
Base	6698		CIM6 Min	-0.6975	-0.2316	1.3154	0.0006	-0.6171	-0.0006
Base	6698		CIM7 Max	0.0754	1.3544	5.7456	0.1032	0.0696	0.0001
Base	6698		CIM7 Min	-0.0553	-1.6446	-1.4421	-0.0895	-0.0446	-0.0001
Base	6903		PP	0.0037	-0.0969	3.2231	0.0046	0.0045	2.611E-06
Base	6903		CA	0.0121	0.009	0.3995	-0.0002	0.0136	6.314E-06
Base	6903		CV	0.0055	0.0063	0.3542	-0.0003	0.0032	-3.541E-06
Base	6903		SX Max	0.76	0.0951	0.8364	0.0061	0.6699	0.0011
Base	6903		SY Max	0.1235	1.746	2.467	0.1099	0.0922	0.0003
Base	6903		CIM1	0.0214	-0.0516	3.9766	0.0043	0.0214	5.564E-06
Base	6903		CIM2 Max	0.7022	-0.0041	4.3566	0.01	0.6076	0.0009
Base	6903		CIM2 Min	-0.6705	-0.1716	2.8566	-0.0008	-0.5713	-0.0009
Base	6903		CIM3 Max	0.1245	1.4504	5.7936	0.1013	0.0994	0.0003
Base	6903		CIM3 Min	-0.0926	-1.6261	1.4516	-0.0921	-0.0629	-0.0002
Base	6903		CIM4 Max	0.5346	-0.0203	4.4402	0.0054	0.4626	0.0007
Base	6903		CIM4 Min	-0.4946	-0.1459	3.3362	0.0004	-0.4215	-0.0007
Base	6903		CIM5 Max	0.1015	1.0706	5.5165	0.0769	0.0615	0.0002
Base	6903		CIM5 Min	-0.0615	-1.2366	2.26	-0.0661	-0.0402	-0.0002
Base	6903		CIM6 Max	0.6959	0.031	2.9096	0.0051	0.6005	0.0009
Base	6903		CIM6 Min	-0.6769	-0.1364	1.4376	-0.0026	-0.5786	-0.0009
Base	6903		CIM7 Max	0.1162	1.4655	4.3445	0.0994	0.0921	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6903		CIM7 Min	-0.0991	-1.591	0.0026	-0.0939	-0.0702	-0.0002
Base	6906		PP	0.003	0.0172	3.2397	-0.0009	0.0033	7.425E-07
Base	6906		CA	0.01	0.0176	0.3676	-0.001	0.0112	-1.95E-06
Base	6906		CV	0.0054	0.0095	0.3565	-0.0007	0.0039	-5.663E-06
Base	6906		SX Max	0.7556	0.1054	0.7633	0.0065	0.6291	0.0007
Base	6906		SY Max	0.1692	1.6123	1.0652	0.1106	0.1213	0.0002
Base	6906		CIM1	0.0164	0.0443	3.9559	-0.0026	0.0164	-6.67E-06
Base	6906		CIM2 Max	0.6779	0.1275	4.2992	0.0036	0.5661	0.0006
Base	6906		CIM2 Min	-0.6519	-0.0561	2.9557	-0.0076	-0.5392	-0.0006
Base	6906		CIM3 Max	0.1619	1.6295	4.5625	0.0955	0.1212	0.0002
Base	6906		CIM3 Min	-0.1359	-1.5601	2.6725	-0.0994	-0.0923	-0.0002
Base	6906		CIM4 Max	0.5157	0.1115	4.4001	0.0016	0.4326	0.0005
Base	6906		CIM4 Min	-0.4516	-0.0277	3.3925	-0.0067	-0.3976	-0.0005
Base	6906		CIM5 Max	0.1267	1.235	4.6126	0.0707	0.0975	0.0001
Base	6906		CIM5 Min	-0.0946	-1.1542	3.1601	-0.0755	-0.0627	-0.0001
Base	6906		CIM6 Max	0.6727	0.1136	2.8462	0.0046	0.5623	0.0006
Base	6906		CIM6 Min	-0.6571	-0.072	1.5046	-0.0069	-0.5449	-0.0006
Base	6906		CIM7 Max	0.1567	1.6156	3.1315	0.0963	0.1154	0.0002
Base	6906		CIM7 Min	-0.1411	-1.574	1.2215	-0.0966	-0.0961	-0.0002
Base	6913		PP	0.0017	0.13	3.2313	-0.007	0.0018	1.46E-06
Base	6913		CA	0.0063	0.0201	0.3637	-0.0011	0.0075	-6.051E-06
Base	6913		CV	0.0036	0.0066	0.3742	-0.0007	0.0026	-4.309E-06
Base	6913		SX Max	0.69	0.1291	0.7606	0.0074	0.5552	0.0005
Base	6913		SY Max	0.1714	1.671	0.2179	0.1151	0.1243	0.0002
Base	6913		CIM1	0.0117	0.1557	3.9692	-0.0068	0.0121	-1.09E-05
Base	6913		CIM2 Max	0.6152	0.2637	4.3019	-0.0016	0.5005	0.0004
Base	6913		CIM2 Min	-0.5991	0.0365	2.9261	-0.0146	-0.482	-0.0004
Base	6913		CIM3 Max	0.1589	1.7966	3.6067	0.0932	0.1166	0.0002
Base	6913		CIM3 Min	-0.1426	-1.4964	3.4233	-0.1094	-0.1001	-0.0002
Base	6913		CIM4 Max	0.4662	0.2416	4.4106	-0.0036	0.3796	0.0003
Base	6913		CIM4 Min	-0.4446	0.0714	3.3605	-0.0135	-0.3571	-0.0003
Base	6913		CIM5 Max	0.1239	1.3915	4.0394	0.0673	0.0934	0.0001
Base	6913		CIM5 Min	-0.1023	-1.0783	3.7516	-0.0846	-0.0707	-0.0001
Base	6913		CIM6 Max	0.612	0.2037	2.8559	0.0016	0.4968	0.0004
Base	6913		CIM6 Min	-0.6023	-0.0236	1.4621	-0.0113	-0.4657	-0.0004
Base	6913		CIM7 Max	0.1557	1.7366	2.3607	0.0964	0.1149	0.0002
Base	6913		CIM7 Min	-0.146	-1.5565	1.9773	-0.1061	-0.1036	-0.0002
Base	6916		PP	-1.67E-05	0.2616	3.1964	-0.0124	-0.0004	3.491E-05
Base	6916		CA	0.0021	0.021	0.3962	-0.0015	0.0033	6.569E-06
Base	6916		CV	0.0009	0.0015	0.4162	-0.001	0.0004	1.593E-05
Base	6916		SX Max	0.5356	0.1747	0.9455	0.0056	0.4257	0.0006
Base	6916		SY Max	0.1512	1.9209	1.542	0.1172	0.1056	0.0007
Base	6916		CIM1	0.003	0.2642	4.0066	-0.0149	0.0032	0.0001
Base	6916		CIM2 Max	0.4734	0.4364	4.4246	-0.0063	0.3775	0.0007
Base	6916		CIM2 Min	-0.4692	0.1269	2.7605	-0.0214	-0.3717	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6918		CIM3 Max	0.1351	1.973	4.9495	0.0693	0.0956	0.0006
Base	6918		CIM3 Min	-0.1309	-1.4077	2.2356	-0.117	-0.09	-0.0005
Base	6918		CIM4 Max	0.3562	0.3991	4.5267	-0.009	0.2641	0.0006
Base	6918		CIM4 Min	-0.3507	0.1665	3.2607	-0.0203	-0.2776	-0.0005
Base	6918		CIM5 Max	0.1025	1.5516	4.9224	0.0628	0.0728	0.0005
Base	6918		CIM5 Min	-0.097	-0.964	2.867	-0.092	-0.0665	-0.0004
Base	6918		CIM6 Max	0.4726	0.3234	2.9575	-0.0008	0.3763	0.0007
Base	6918		CIM6 Min	-0.4701	0.0156	1.3235	-0.0156	-0.3729	-0.0007
Base	6918		CIM7 Max	0.1343	1.66	3.5124	0.0946	0.0946	0.0006
Base	6918		CIM7 Min	-0.1317	-1.5206	0.7966	-0.1115	-0.0912	-0.0006
Base	6923		PP	-0.0097	0.428	3.2294	-0.0246	-0.0044	-0.0001
Base	6923		CA	-0.0037	0.0113	0.4602	-0.0018	-0.0009	-2.736E-05
Base	6923		CV	-0.0056	-0.0301	0.5796	-0.0006	-0.0035	-4.31E-05
Base	6923		SX Max	0.2573	0.2577	1.4505	0.0112	0.2313	0.0009
Base	6923		SY Max	0.1723	1.9207	3.3234	0.1283	0.0754	0.0007
Base	6923		CIM1	-0.0191	0.4092	4.2694	-0.027	-0.0056	-0.0002
Base	6923		CIM2 Max	0.2395	0.6661	4.9661	-0.0165	0.1963	0.0006
Base	6923		CIM2 Min	-0.2661	0.2125	2.4332	-0.0363	-0.2059	-0.0009
Base	6923		CIM3 Max	0.1383	2.1295	6.6343	0.0665	0.061	0.0005
Base	6923		CIM3 Min	-0.165	-1.2509	0.765	-0.1394	-0.0716	-0.0006
Base	6923		CIM4 Max	0.1719	0.5668	5.1016	-0.0195	0.1448	0.0004
Base	6923		CIM4 Min	-0.2073	0.2466	3.1672	-0.0342	-0.1606	-0.0007
Base	6923		CIM5 Max	0.0961	1.6644	6.336	0.0579	0.0418	0.0003
Base	6923		CIM5 Min	-0.1314	-0.651	1.951	-0.1116	-0.0576	-0.0007
Base	6923		CIM6 Max	0.2446	0.4904	3.5022	-0.006	0.2004	0.0007
Base	6923		CIM6 Min	-0.2606	0.0366	0.9494	-0.0257	-0.2067	-0.0009
Base	6923		CIM7 Max	0.1437	1.9536	5.1504	0.0971	0.0631	0.0006
Base	6923		CIM7 Min	-0.1596	-1.4266	-0.6966	-0.1268	-0.0696	-0.0007
Base	6932		PP	0.0117	-0.4015	3.2096	0.0236	0.0064	-0.0001
Base	6932		CA	0.0026	-0.0532	0.4359	0.0035	0.0016	-2.266E-05
Base	6932		CV	0.0031	-0.0516	0.4816	0.0035	0.0019	-2.615E-05
Base	6932		SX Max	0.173	0.3694	3.5002	0.0154	0.2303	0.001
Base	6932		SY Max	0.1371	2.5856	3.6549	0.1669	0.0705	0.0005
Base	6932		CIM1	0.0174	-0.5063	4.1376	0.0307	0.0096	-0.0002
Base	6932		CIM2 Max	0.1666	-0.1297	6.726	0.0407	0.2107	0.0006
Base	6932		CIM2 Min	-0.1379	-0.7796	0.5656	0.0136	-0.1947	-0.0011
Base	6932		CIM3 Max	0.135	1.6207	6.6665	0.174	0.07	0.0003
Base	6932		CIM3 Min	-0.1063	-2.7302	0.4031	-0.1197	-0.0541	-0.0006
Base	6932		CIM4 Max	0.1306	-0.2496	6.3246	0.04	0.1614	0.0005
Base	6932		CIM4 Min	-0.0976	-0.7373	1.7045	0.0196	-0.1427	-0.0009
Base	6932		CIM5 Max	0.1071	1.2132	6.4467	0.1399	0.0559	0.0002
Base	6932		CIM5 Min	-0.0739	-2.2001	1.5826	-0.0803	-0.0372	-0.0005
Base	6932		CIM6 Max	0.1609	0.0522	5.2677	0.0299	0.2075	0.0006
Base	6932		CIM6 Min	-0.1437	-0.5979	-0.6927	0.0027	-0.1979	-0.001
Base	6932		CIM7 Max	0.1293	2.0026	5.4302	0.1631	0.0669	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6932		CIM7 Min	-0.1121	-2.5483	-1.0552	-0.1305	-0.0573	-0.0006
Base	6941		PP	0.0008	-0.2531	3.1622	0.012	0.0022	4.473E-05
Base	6941		CA	0.0002	-0.0511	0.4066	0.0025	0.0005	9.649E-06
Base	6941		CV	0.0002	-0.0545	0.456	0.0026	0.0006	1.176E-05
Base	6941		SX Max	0.4667	0.3193	2.5915	0.0141	0.491	0.0013
Base	6941		SY Max	0.149	2.639	1.9899	0.1541	0.1004	0.0004
Base	6941		CIM1	0.0012	-0.3567	4.0266	0.0171	0.0034	0.0001
Base	6941		CIM2 Max	0.4135	-0.0232	5.6513	0.0269	0.4349	0.0012
Base	6941		CIM2 Min	-0.4115	-0.5652	1.2903	0.0021	-0.4293	-0.0011
Base	6941		CIM3 Max	0.1321	2.0161	5.3219	0.1501	0.0911	0.0004
Base	6941		CIM3 Min	-0.1301	-2.6265	1.6197	-0.1211	-0.0856	-0.0003
Base	6941		CIM4 Max	0.3105	-0.1343	5.6247	0.0256	0.3273	0.0009
Base	6941		CIM4 Min	-0.3062	-0.5556	2.2039	0.0071	-0.3206	-0.0008
Base	6941		CIM5 Max	0.0995	1.3967	5.2276	0.1162	0.0695	0.0003
Base	6941		CIM5 Min	-0.0971	-2.0666	2.601	-0.0853	-0.063	-0.0002
Base	6941		CIM6 Max	0.4131	0.0964	4.423	0.0211	0.4336	0.0012
Base	6941		CIM6 Min	-0.4119	-0.4635	-0.135	-0.0037	-0.4304	-0.0011
Base	6941		CIM7 Max	0.1317	2.1396	3.6936	0.1443	0.09	0.0004
Base	6941		CIM7 Min	-0.1305	-2.5049	0.3914	-0.1269	-0.0867	-0.0003
Base	6946		PP	4.176E-06	-0.1221	3.209	0.0064	0.0009	4.95E-06
Base	6946		CA	-5.46E-06	-0.0503	0.4259	0.0025	0.0002	1.032E-06
Base	6946		CV	-2.322E-05	-0.0617	0.4606	0.003	0.0002	1.227E-06
Base	6946		SX Max	0.7464	0.2746	2.1541	0.0135	0.7126	0.0007
Base	6946		SY Max	0.1371	2.6345	0.8777	0.1554	0.1029	0.0002
Base	6946		CIM1	-2.452E-05	-0.234	4.1155	0.0119	0.0012	7.209E-06
Base	6946		CIM2 Max	0.6566	0.0695	5.5305	0.0206	0.6261	0.0006
Base	6946		CIM2 Min	-0.6569	-0.4142	1.7393	-0.003	-0.6261	-0.0006
Base	6946		CIM3 Max	0.1206	2.1461	4.4072	0.1457	0.0916	0.0002
Base	6946		CIM3 Min	-0.1206	-2.4907	2.6626	-0.1276	-0.0895	-0.0002
Base	6946		CIM4 Max	0.4926	-0.0372	5.417	0.0201	0.4715	0.0005
Base	6946		CIM4 Min	-0.4927	-0.3999	2.5736	0.0022	-0.4692	-0.0005
Base	6946		CIM5 Max	0.0905	1.5202	4.5746	0.1137	0.0691	0.0002
Base	6946		CIM5 Min	-0.0905	-1.9574	3.4161	-0.0914	-0.0667	-0.0001
Base	6946		CIM6 Max	0.6566	0.1365	4.0765	0.0173	0.6277	0.0006
Base	6946		CIM6 Min	-0.6569	-0.3452	0.2853	-0.0066	-0.6265	-0.0006
Base	6946		CIM7 Max	0.1206	2.215	2.9533	0.1421	0.0912	0.0002
Base	6946		CIM7 Min	-0.1206	-2.4216	1.4066	-0.1314	-0.0899	-0.0002
Base	6951		PP	-0.0001	-0.0099	3.2303	0.0004	0.0005	0
Base	6951		CA	-0.0001	-0.0503	0.4579	0.0024	2.796E-05	5.314E-07
Base	6951		CV	-0.0001	-0.0713	0.5275	0.0034	-0.0001	6.697E-07
Base	6951		SX Max	0.6573	0.2202	1.899	0.0115	0.7957	0.0001
Base	6951		SY Max	0.127	2.6257	0.1446	0.1518	0.101	0.0003
Base	6951		CIM1	-0.0003	-0.1315	4.2156	0.0063	0.0005	1.636E-06
Base	6951		CIM2 Max	0.7542	0.1336	5.3593	0.0129	0.7034	4.921E-05
Base	6951		CIM2 Min	-0.7546	-0.2539	2.0171	-0.0072	-0.7023	-4.727E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6951		CIM3 Max	0.1115	2.2505	3.6157	0.1364	0.0894	0.0003
Base	6951		CIM3 Min	-0.1119	-2.3706	3.5606	-0.1307	-0.0883	-0.0003
Base	6951		CIM4 Max	0.5655	0.0317	5.3372	0.013	0.5277	3.76E-05
Base	6951		CIM4 Min	-0.5661	-0.259	2.8306	-0.0022	-0.5266	-3.456E-05
Base	6951		CIM5 Max	0.0635	1.6193	4.1795	0.1056	0.0671	0.0002
Base	6951		CIM5 Min	-0.0641	-1.6467	3.9883	-0.0946	-0.0661	-0.0002
Base	6951		CIM6 Max	0.7543	0.1577	3.864	0.0116	0.7032	4.662E-05
Base	6951		CIM6 Min	-0.7546	-0.2299	0.5416	-0.0064	-0.7025	-4.766E-05
Base	6951		CIM7 Max	0.1116	2.2746	2.3404	0.1353	0.0892	0.0003
Base	6951		CIM7 Min	-0.1119	-2.3466	2.0855	-0.1319	-0.0885	-0.0003
Base	6956		PP	-2.692E-05	0.1031	3.2293	-0.0056	0.0007	-3.933E-06
Base	6956		CA	-0.0002	-0.0443	0.5012	0.002	-1.603E-05	-1.629E-06
Base	6956		CV	-0.0003	-0.0717	0.5944	0.0032	-0.0002	-2.534E-06
Base	6956		SX Max	0.7504	0.1577	1.8004	0.011	0.7132	0.0007
Base	6956		SY Max	0.1459	2.6331	1.1626	0.1553	0.1056	0.0002
Base	6956		CIM1	-0.0005	-0.0126	4.3249	-0.0004	0.0005	-5.097E-06
Base	6956		CIM2 Max	0.6602	0.224	5.3149	0.0061	0.6263	0.0006
Base	6956		CIM2 Min	-0.6605	-0.1063	2.1461	-0.0133	-0.6269	-0.0006
Base	6956		CIM3 Max	0.1262	2.376	4.7536	0.1331	0.0963	0.0002
Base	6956		CIM3 Min	-0.1266	-2.2583	2.7075	-0.1403	-0.0949	-0.0002
Base	6956		CIM4 Max	0.4949	0.1269	5.3646	0.0061	0.4713	0.0005
Base	6956		CIM4 Min	-0.4957	-0.1166	2.966	-0.0065	-0.4701	-0.0005
Base	6956		CIM5 Max	0.0959	1.7429	4.9436	0.1013	0.0722	0.0001
Base	6956		CIM5 Min	-0.0967	-1.7326	3.409	-0.1037	-0.0711	-0.0002
Base	6956		CIM6 Max	0.6602	0.2004	3.6227	0.0075	0.626	0.0006
Base	6956		CIM6 Min	-0.6604	-0.1296	0.6539	-0.0119	-0.6272	-0.0006
Base	6956		CIM7 Max	0.1263	2.3525	3.2614	0.1345	0.096	0.0002
Base	6956		CIM7 Min	-0.1265	-2.2619	1.2152	-0.1368	-0.0951	-0.0002
Base	6961		PP	0.0006	0.2356	3.2004	-0.0112	0.0016	-3.958E-05
Base	6961		CA	4.212E-06	-0.0221	0.5445	0.0014	0.0002	-1.064E-05
Base	6961		CV	-0.0001	-0.0466	0.6619	0.0029	4.21E-05	-1.412E-05
Base	6961		SX Max	0.4729	0.1956	1.8753	0.0104	0.4909	0.0013
Base	6961		SY Max	0.1629	2.6425	2.2626	0.1541	0.1095	0.0005
Base	6961		CIM1	0.0005	0.1699	4.4069	-0.007	0.002	-0.0001
Base	6961		CIM2 Max	0.4167	0.3656	5.3852	-0.0007	0.434	0.0011
Base	6961		CIM2 Min	-0.4155	0.0444	2.0947	-0.019	-0.43	-0.0012
Base	6961		CIM3 Max	0.144	2.5422	5.7536	0.1257	0.0953	0.0004
Base	6961		CIM3 Min	-0.1427	-2.1092	1.7363	-0.1454	-0.0944	-0.0005
Base	6961		CIM4 Max	0.3126	0.3106	5.4791	-0.0006	0.326	0.0006
Base	6961		CIM4 Min	-0.3115	0.0524	3.0037	-0.0146	-0.3219	-0.0009
Base	6961		CIM5 Max	0.1051	1.9256	5.7479	0.094	0.0743	0.0003
Base	6961		CIM5 Min	-0.1069	-1.5626	2.7349	-0.1094	-0.0702	-0.0004
Base	6961		CIM6 Max	0.4165	0.302	3.6972	0.0033	0.4332	0.0011
Base	6961		CIM6 Min	-0.4157	-0.0422	0.5967	-0.0151	-0.4306	-0.0011
Base	6961		CIM7 Max	0.1437	2.4556	4.2556	0.1297	0.0975	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6961		CIM7 Min	-0.143	-2.1956	0.2363	-0.1415	-0.0952	-0.0005
Base	6966		PP	0.0102	0.4065	3.2396	-0.0235	0.0052	0.0001
Base	6966		CA	0.0016	0.0224	0.5656	-0.0019	0.0006	2.066E-05
Base	6966		CV	0.0016	0.0161	0.7114	-0.0017	0.0007	2.242E-05
Base	6966		SX Max	0.1669	0.2603	2.3336	0.0133	0.2274	0.0011
Base	6966		SY Max	0.1686	2.6155	3.9636	0.166	0.0613	0.0006
Base	6966		CIM1	0.0136	0.445	4.5366	-0.027	0.0066	0.0002
Base	6966		CIM2 Max	0.1606	0.656	5.6769	-0.0136	0.2062	0.0011
Base	6966		CIM2 Min	-0.1367	0.1999	1.7714	-0.0371	-0.194	-0.0006
Base	6966		CIM3 Max	0.1604	2.7306	7.3134	0.1225	0.0776	0.0006
Base	6966		CIM3 Min	-0.1364	-1.6726	0.337	-0.1732	-0.0655	-0.0005
Base	6966		CIM4 Max	0.1246	0.6126	5.6991	-0.0176	0.1567	0.0009
Base	6966		CIM4 Min	-0.0961	0.2692	2.6165	-0.0354	-0.1435	-0.0006
Base	6966		CIM5 Max	0.1246	2.1672	6.9749	0.0642	0.0603	0.0006
Base	6966		CIM5 Min	-0.096	-1.2653	1.7426	-0.1375	-0.0471	-0.0003
Base	6966		CIM6 Max	0.1556	0.4664	4.3469	-0.0035	0.2036	0.001
Base	6966		CIM6 Min	-0.1415	0.0263	0.2414	-0.027	-0.1965	-0.0009
Base	6966		CIM7 Max	0.1556	2.559	5.7633	0.1326	0.0752	0.0007
Base	6966		CIM7 Min	-0.1412	-2.0443	-1.193	-0.163	-0.0679	-0.0006
Base	6975		PP	-0.0004	-0.4557	3.0165	0.0249	-0.0002	-1.166E-05
Base	6975		CA	-0.0026	-0.0797	0.4532	0.0045	-0.001	-6.201E-06
Base	6975		CV	-0.0015	-0.056	0.5013	0.0034	-0.0005	-4.026E-06
Base	6975		SX Max	0.1513	0.431	0.6412	0.0218	0.2001	0.001
Base	6975		SY Max	0.0556	2.7472	2.0163	0.1695	0.042	0.0004
Base	6975		CIM1	-0.0047	-0.5934	3.971	0.0326	-0.0017	-2.209E-05
Base	6975		CIM2 Max	0.1299	-0.1561	4.0339	0.0486	0.175	0.0009
Base	6975		CIM2 Min	-0.1364	-0.9147	2.9055	0.0103	-0.1773	-0.0009
Base	6975		CIM3 Max	0.0456	1.8621	5.2441	0.1786	0.0356	0.0004
Base	6975		CIM3 Min	-0.0523	-2.9529	1.6953	-0.1195	-0.0351	-0.0004
Base	6975		CIM4 Max	0.0955	-0.2944	4.2669	0.0463	0.1306	0.0007
Base	6975		CIM4 Min	-0.1042	-0.8634	3.4225	0.0176	-0.1336	-0.0007
Base	6975		CIM5 Max	0.0325	1.2342	5.1765	0.1439	0.0262	0.0003
Base	6975		CIM5 Min	-0.0412	-2.392	2.5149	-0.0799	-0.0292	-0.0003
Base	6975		CIM6 Max	0.1312	0.056	2.6461	0.0368	0.1754	0.0009
Base	6975		CIM6 Min	-0.1351	-0.7005	1.5176	-0.0015	-0.1766	-0.0009
Base	6975		CIM7 Max	0.0471	2.0962	3.6562	0.1666	0.0362	0.0004
Base	6975		CIM7 Min	-0.051	-2.7366	0.3074	-0.1315	-0.0376	-0.0004
Base	6964		PP	-0.0012	-0.2764	3.0766	0.0126	-0.0003	4.117E-06
Base	6964		CA	-0.0046	-0.0637	0.454	0.003	-0.0011	6.637E-06
Base	6964		CV	-0.0024	-0.0479	0.465	0.0022	-0.0006	4.569E-06
Base	6964		SX Max	0.425	0.3142	0.95	0.0145	0.4435	0.0014
Base	6964		SY Max	0.1074	2.7917	0.9759	0.1586	0.0852	0.0003
Base	6964		CIM1	-0.0063	-0.39	4.0176	0.016	-0.0021	1.732E-05
Base	6964		CIM2 Max	0.3682	-0.0656	4.3666	0.0266	0.3656	0.0012
Base	6964		CIM2 Min	-0.3799	-0.6186	2.6966	0.0031	-0.3917	-0.0012

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6964		CIM3 Max	0.0667	2.1146	4.3914	0.1554	0.0735	0.0003
Base	6964		CIM3 Min	-0.1004	-2.7966	2.6736	-0.1237	-0.0764	-0.0003
Base	6964		CIM4 Max	0.2729	-0.1706	4.5234	0.027	0.2906	0.0009
Base	6964		CIM4 Min	-0.2662	-0.5654	3.2694	0.0079	-0.2946	-0.0009
Base	6964		CIM5 Max	0.0632	1.4645	4.5404	0.1221	0.0543	0.0002
Base	6964		CIM5 Min	-0.0786	-2.2206	3.2523	-0.0872	-0.0581	-0.0002
Base	6964		CIM6 Max	0.3705	0.0712	2.9556	0.0222	0.3694	0.0012
Base	6964		CIM6 Min	-0.3775	-0.4616	1.2635	-0.0033	-0.3911	-0.0012
Base	6964		CIM7 Max	0.091	2.2514	2.9763	0.149	0.0741	0.0003
Base	6964		CIM7 Min	-0.098	-2.662	1.2606	-0.1301	-0.0756	-0.0003
Base	6969		PP	-0.0012	-0.1465	3.1576	0.0075	-0.0003	3.645E-06
Base	6969		CA	-0.0044	-0.0576	0.476	0.0026	-0.0007	1.055E-05
Base	6969		CV	-0.0023	-0.0555	0.5043	0.0027	-0.0003	5.75E-06
Base	6969		SX Max	0.7068	0.2295	1.1274	0.0118	0.6632	0.0007
Base	6969		SY Max	0.1512	2.7376	0.3049	0.1565	0.1165	0.0002
Base	6969		CIM1	-0.0079	-0.2596	4.1399	0.013	-0.0014	2.015E-05
Base	6969		CIM2 Max	0.6164	-0.0021	4.6277	0.0207	0.5626	0.0007
Base	6969		CIM2 Min	-0.6276	-0.406	2.6435	-0.0001	-0.5646	-0.0006
Base	6969		CIM3 Max	0.1274	2.2051	3.9039	0.1461	0.1015	0.0002
Base	6969		CIM3 Min	-0.1366	-2.6132	3.3673	-0.1274	-0.1036	-0.0002
Base	6969		CIM4 Max	0.4592	-0.0942	4.7579	0.0201	0.4364	0.0005
Base	6969		CIM4 Min	-0.4739	-0.3972	3.2696	0.0045	-0.439	-0.0005
Base	6969		CIM5 Max	0.0924	1.5612	4.2151	0.1156	0.0756	0.0002
Base	6969		CIM5 Min	-0.1071	-2.0525	3.6127	-0.091	-0.0782	-0.0001
Base	6969		CIM6 Max	0.6166	0.0795	3.1734	0.0166	0.583	0.0006
Base	6969		CIM6 Min	-0.6254	-0.3244	1.1693	-0.0042	-0.5842	-0.0006
Base	6969		CIM7 Max	0.1297	2.2667	2.4496	0.1439	0.1019	0.0002
Base	6969		CIM7 Min	-0.1364	-2.5316	1.9131	-0.1316	-0.1032	-0.0002
Base	6994		PP	-0.0012	-0.0304	3.2029	0.0014	-0.0004	1.131E-06
Base	6994		CA	-0.0043	-0.0526	0.513	0.0026	-0.0006	0
Base	6994		CV	-0.0022	-0.0663	0.5496	0.0032	-0.0002	0
Base	6994		SX Max	0.8275	0.1954	1.2394	0.0096	0.7555	0.0001
Base	6994		SY Max	0.1646	2.6739	0.3646	0.1519	0.1272	0.0003
Base	6994		CIM1	-0.0077	-0.1494	4.2656	0.0072	-0.0013	5.226E-07
Base	6994		CIM2 Max	0.7227	0.0669	4.6065	0.0126	0.6636	0.0001
Base	6994		CIM2 Min	-0.7337	-0.255	2.6253	-0.0047	-0.6656	-0.0001
Base	6994		CIM3 Max	0.1395	2.27	4.0366	0.1376	0.111	0.0002
Base	6994		CIM3 Min	-0.1505	-2.4361	3.395	-0.1297	-0.113	-0.0002
Base	6994		CIM4 Max	0.539	-0.0036	4.9461	0.0126	0.4974	4.863E-05
Base	6994		CIM4 Min	-0.5534	-0.2617	3.3102	-0.0001	-0.4996	-4.739E-05
Base	6994		CIM5 Max	0.1016	1.632	4.3656	0.1066	0.0826	0.0002
Base	6994		CIM5 Min	-0.1159	-1.8976	3.6575	-0.0939	-0.0852	-0.0002
Base	6994		CIM6 Max	0.7249	0.1221	3.3202	0.011	0.6642	0.0001
Base	6994		CIM6 Min	-0.7315	-0.2217	1.1369	-0.0062	-0.6654	-0.0001
Base	6994		CIM7 Max	0.1417	2.3032	2.5504	0.136	0.1114	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6994		CIM7 Min	-0.1463	-2.4029	1.9067	-0.1313	-0.1126	-0.0002
Base	6999		PP	-0.0016	0.0673	3.2164	-0.0049	-0.001	1.462E-06
Base	6999		CA	-0.0052	-0.0402	0.5552	0.0017	-0.0013	-1E-05
Base	6999		CV	-0.0026	-0.0666	0.6159	0.0029	-0.0006	-3.53E-06
Base	6999		SX Max	0.7346	0.2065	1.3764	0.0107	0.6618	0.0007
Base	6999		SY Max	0.1555	2.6163	1.0666	0.1513	0.1165	0.0002
Base	6999		CIM1	-0.0094	-0.0195	4.3696	-0.0003	-0.0029	-1.207E-05
Base	6999		CIM2 Max	0.6397	0.2268	4.9646	0.0063	0.5976	0.0006
Base	6999		CIM2 Min	-0.6533	-0.1346	2.5624	-0.0125	-0.6022	-0.0006
Base	6999		CIM3 Max	0.13	2.3512	4.7316	0.13	0.102	0.0002
Base	6999		CIM3 Min	-0.1436	-2.257	2.6156	-0.1363	-0.1066	-0.0002
Base	6999		CIM4 Max	0.4761	0.1334	5.144	0.0061	0.4472	0.0004
Base	6999		CIM4 Min	-0.4936	-0.1392	3.3271	-0.006	-0.4527	-0.0005
Base	6999		CIM5 Max	0.0939	1.7252	4.9541	0.0969	0.0755	0.0001
Base	6999		CIM5 Min	-0.1113	-1.731	3.5171	-0.1009	-0.0909	-0.0002
Base	6999		CIM6 Max	0.6424	0.21	3.4754	0.0075	0.5966	0.0006
Base	6999		CIM6 Min	-0.6506	-0.1535	1.0529	-0.0113	-0.6013	-0.0006
Base	6999		CIM7 Max	0.1327	2.3323	3.2222	0.1313	0.1029	0.0002
Base	6999		CIM7 Min	-0.1409	-2.2756	1.3862	-0.1351	-0.1057	-0.0002
Base	7004		PP	-0.0025	0.2274	3.2004	-0.0107	-0.0024	3.638E-05
Base	7004		CA	-0.0064	-0.0124	0.5927	0.001	-0.0024	-2.073E-06
Base	7004		CV	-0.0033	-0.0416	0.6836	0.0026	-0.0012	7.64E-06
Base	7004		SX Max	0.474	0.2373	1.6236	0.0106	0.4739	0.0012
Base	7004		SY Max	0.1295	2.5648	1.9694	0.1489	0.0951	0.0006
Base	7004		CIM1	-0.0122	0.1734	4.4767	-0.007	-0.006	4.215E-05
Base	7004		CIM2 Max	0.4063	0.4236	5.2219	-0.0003	0.4123	0.0011
Base	7004		CIM2 Min	-0.426	0.0061	2.3643	-0.019	-0.4216	-0.001
Base	7004		CIM3 Max	0.1051	2.4719	5.5262	0.1214	0.0769	0.0005
Base	7004		CIM3 Min	-0.1226	-2.042	2.06	-0.1407	-0.0864	-0.0005
Base	7004		CIM4 Max	0.3015	0.3404	5.3774	-0.0007	0.3071	0.0006
Base	7004		CIM4 Min	-0.3242	0.0271	3.2342	-0.0147	-0.3164	-0.0006
Base	7004		CIM5 Max	0.0741	1.5765	5.6056	0.0906	0.0571	0.0004
Base	7004		CIM5 Min	-0.0968	-1.509	3.006	-0.106	-0.0664	-0.0003
Base	7004		CIM6 Max	0.4116	0.3376	3.7047	0.0035	0.4142	0.0011
Base	7004		CIM6 Min	-0.4225	-0.0799	0.8471	-0.0151	-0.4199	-0.001
Base	7004		CIM7 Max	0.1066	2.356	4.009	0.1253	0.0806	0.0005
Base	7004		CIM7 Min	-0.1193	-2.126	0.5426	-0.1369	-0.0865	-0.0005
Base	7009		PP	-0.0115	0.4001	3.2447	-0.0232	-0.0056	-0.0001
Base	7009		CA	-0.0066	0.0365	0.6243	-0.0027	-0.0027	-2.567E-05
Base	7009		CV	-0.0045	0.022	0.7355	-0.0021	-0.0016	-2.577E-05
Base	7009		SX Max	0.1773	0.2995	2.2154	0.0127	0.2221	0.0011
Base	7009		SY Max	0.141	2.45	3.4717	0.1559	0.0638	0.0006
Base	7009		CIM1	-0.0226	0.4606	4.6045	-0.026	-0.0102	-0.0002
Base	7009		CIM2 Max	0.1379	0.7022	5.6166	-0.0147	0.167	0.0006
Base	7009		CIM2 Min	-0.1742	0.1751	1.9195	-0.0372	-0.2039	-0.0011

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7009		CIM3 Max	0.106	2.5946	6.9241	0.1112	0.0478	0.0005
Base	-7009		CIM3 Min	-0.1423	-1.7173	0.6139	-0.1631	-0.0646	-0.0006
Base	-7009		CIM4 Max	0.0955	0.6526	5.6626	-0.0191	0.1366	0.0005
Base	-7009		CIM4 Min	-0.1365	0.2575	2.9565	-0.0359	-0.1564	-0.0009
Base	-7009		CIM5 Max	0.0716	2.0721	6.712	0.0754	0.0324	0.0003
Base	-7009		CIM5 Min	-0.1146	-1.1616	2.1293	-0.1304	-0.0519	-0.0007
Base	-7009		CIM6 Max	0.1451	0.5267	4.271	-0.0043	0.1904	0.0009
Base	-7009		CIM6 Min	-0.1669	-0.0004	0.3719	-0.0266	-0.2005	-0.001
Base	-7009		CIM7 Max	0.1132	2.4192	5.3765	0.1216	0.0511	0.0006
Base	-7009		CIM7 Min	-0.135	-1.6926	-0.7337	-0.1527	-0.0612	-0.0007
Base	-7016		PP	-0.0009	-0.4643	3.1616	0.0267	-0.0003	1.824E-05
Base	-7016		CA	-0.0005	-0.0423	0.4602	0.0024	-0.0002	2.064E-06
Base	-7016		CV	-0.0007	-0.0435	0.4612	0.0025	-0.0003	2.492E-06
Base	-7016		SX Max	0.1761	0.1696	1.4646	0.012	0.1776	0.0007
Base	-7016		SY Max	0.1272	2.0527	3.5421	0.1361	0.0523	0.0005
Base	-7016		CIM1	-0.0022	-0.5701	4.0632	0.0316	-0.0006	2.26E-05
Base	-7016		CIM2 Max	0.1553	-0.3772	4.9109	0.0387	0.1561	0.0007
Base	-7016		CIM2 Min	-0.1561	-0.676	2.3331	0.0185	-0.1569	-0.0006
Base	-7016		CIM3 Max	0.1105	1.2796	6.7391	0.1506	0.0456	0.0004
Base	-7016		CIM3 Min	-0.1134	-2.333	0.5049	-0.0924	-0.0464	-0.0004
Base	-7016		CIM4 Max	0.1155	-0.4472	4.9345	0.0369	0.1167	0.0005
Base	-7016		CIM4 Min	-0.1195	-0.6713	3.0012	0.0231	-0.1181	-0.0005
Base	-7016		CIM5 Max	0.082	0.7955	6.3057	0.1221	0.0336	0.0003
Base	-7016		CIM5 Min	-0.0859	-1.914	1.6301	-0.0601	-0.0352	-0.0003
Base	-7016		CIM6 Max	0.1556	-0.1665	3.4621	0.026	0.1562	0.0007
Base	-7016		CIM6 Min	-0.1575	-0.4654	0.6643	0.0069	-0.1566	-0.0006
Base	-7016		CIM7 Max	0.1111	1.4904	5.2903	0.139	0.0457	0.0004
Base	-7016		CIM7 Min	-0.1126	-2.1223	-0.9439	-0.104	-0.0463	-0.0004
Base	-7027		PP	0.0001	-0.2606	3.1632	0.0117	-2.468E-05	-7.197E-06
Base	-7027		CA	-0.0005	-0.0136	0.4301	0.0007	-0.0001	-1.036E-06
Base	-7027		CV	-0.0006	-0.0211	0.4263	0.0011	-4.404E-05	-4.592E-06
Base	-7027		SX Max	0.37	0.2777	1.1494	0.0139	0.3736	0.0011
Base	-7027		SY Max	0.103	2.0403	1.6713	0.1239	0.0567	0.0004
Base	-7027		CIM1	-0.001	-0.2957	4.0396	0.0134	-0.0002	-1.263E-05
Base	-7027		CIM2 Max	0.3252	-0.0303	4.6246	0.0246	0.3256	0.0009
Base	-7027		CIM2 Min	-0.326	-0.519	2.6016	0.0001	-0.3291	-0.0009
Base	-7027		CIM3 Max	0.0902	1.5206	5.064	0.1214	0.0496	0.0004
Base	-7027		CIM3 Min	-0.0911	-2.0701	2.1426	-0.0967	-0.05	-0.0004
Base	-7027		CIM4 Max	0.2433	-0.1072	4.6916	0.0223	0.2465	0.0007
Base	-7027		CIM4 Min	-0.245	-0.4737	3.1744	0.0039	-0.2469	-0.0007
Base	-7027		CIM5 Max	0.0671	1.0561	5.036	0.0949	0.0372	0.0003
Base	-7027		CIM5 Min	-0.0689	-1.6371	2.63	-0.0667	-0.0376	-0.0003
Base	-7027		CIM6 Max	0.3253	0.0796	3.1794	0.0196	0.3256	0.0009
Base	-7027		CIM6 Min	-0.3256	-0.4091	1.1565	-0.0049	-0.329	-0.0009
Base	-7027		CIM7 Max	0.0904	1.6307	3.6367	0.1164	0.0496	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7027		CIM7 Min	-0.0909	-1.9603	0.6973	-0.1016	-0.05	-0.0004
Base	-7032		PP	-3.442E-05	-0.1131	3.225	0.006	0.0001	-5.992E-07
Base	-7032		CA	-0.0005	-0.0027	0.4239	7.772E-06	0.0003	-3.449E-06
Base	-7032		CV	-0.0006	-0.0173	0.424	0.0007	0.0007	-6.723E-06
Base	-7032		SX Max	0.5743	0.2945	0.6729	0.0141	0.5506	0.0007
Base	-7032		SY Max	0.0746	2.0096	0.3005	0.1234	0.0471	0.0003
Base	-7032		CIM1	-0.0013	-0.1331	4.0729	0.0066	0.001	-1.077E-05
Base	-7032		CIM2 Max	0.5049	0.1434	4.4171	0.0165	0.4849	0.0006
Base	-7032		CIM2 Min	-0.5059	-0.3749	2.6607	-0.0064	-0.4842	-0.0006
Base	-7032		CIM3 Max	0.0653	1.6529	3.9133	0.1146	0.0417	0.0003
Base	-7032		CIM3 Min	-0.0663	-1.6644	3.3644	-0.1025	-0.0411	-0.0003
Base	-7032		CIM4 Max	0.376	0.0656	4.5431	0.0159	0.3642	0.0005
Base	-7032		CIM4 Min	-0.3601	-0.3231	3.3906	-0.0025	-0.3626	-0.0005
Base	-7032		CIM5 Max	0.0463	1.1978	4.1653	0.086	0.0319	0.0002
Base	-7032		CIM5 Min	-0.0504	-1.4552	3.7666	-0.0745	-0.0303	-0.0002
Base	-7032		CIM6 Max	0.5051	0.1697	2.9575	0.0161	0.4847	0.0006
Base	-7032		CIM6 Min	-0.5057	-0.3286	1.4212	-0.0066	-0.4844	-0.0006
Base	-7032		CIM7 Max	0.0655	1.6992	2.4536	0.1122	0.0416	0.0003
Base	-7032		CIM7 Min	-0.0661	-1.6381	1.9249	-0.1049	-0.0412	-0.0003
Base	-7037		PP	-4.071E-05	0.0062	3.2372	-0.0004	0.0002	-7.026E-07
Base	-7037		CA	-0.0003	0.0005	0.4323	-4.467E-05	0.0012	-5.762E-06
Base	-7037		CV	-0.0006	-0.0221	0.4444	0.001	0.0024	-1.023E-05
Base	-7037		SX Max	0.66	0.2776	0.6456	0.0133	0.6373	0.0004
Base	-7037		SY Max	0.086	1.9717	1.0062	0.1199	0.0537	0.0003
Base	-7037		CIM1	-0.0009	-0.0154	4.1139	0.0006	0.0036	-1.669E-05
Base	-7037		CIM2 Max	0.5951	0.2511	4.2379	0.0112	0.5623	0.0004
Base	-7037		CIM2 Min	-0.5966	-0.2376	3.1012	-0.0121	-0.5594	-0.0004
Base	-7037		CIM3 Max	0.0771	1.7417	4.555	0.1051	0.0467	0.0002
Base	-7037		CIM3 Min	-0.0776	-1.7264	2.7641	-0.106	-0.0459	-0.0002
Base	-7037		CIM4 Max	0.4461	0.1735	4.4291	0.0091	0.4239	0.0003
Base	-7037		CIM4 Min	-0.4496	-0.1932	3.5766	-0.0064	-0.4174	-0.0003
Base	-7037		CIM5 Max	0.0574	1.2914	4.6669	0.0785	0.0367	0.0002
Base	-7037		CIM5 Min	-0.0566	-1.3112	3.3366	-0.0768	-0.0322	-0.0002
Base	-7037		CIM6 Max	0.5962	0.2465	2.77	0.0114	0.5617	0.0004
Base	-7037		CIM6 Min	-0.5966	-0.2404	1.6334	-0.012	-0.56	-0.0004
Base	-7037		CIM7 Max	0.0773	1.7391	3.0872	0.1053	0.0461	0.0002
Base	-7037		CIM7 Min	-0.0777	-1.7311	1.3163	-0.1056	-0.0464	-0.0002
Base	-7042		PP	0.0001	0.1219	3.2279	-0.0065	0.0005	-1.161E-06
Base	-7042		CA	0.0006	0.0074	0.4531	-0.0008	0.0034	-6.003E-06
Base	-7042		CV	0.001	-0.0212	0.4642	0.0006	0.0063	-1.423E-05
Base	-7042		SX Max	0.6532	0.255	0.4692	0.0126	0.6029	0.0003
Base	-7042		SY Max	0.1053	1.9131	2.3694	0.1195	0.0565	0.0002
Base	-7042		CIM1	0.0017	0.1061	4.1652	-0.0068	0.0102	-2.34E-05
Base	-7042		CIM2 Max	0.5755	0.3537	4.0939	0.0037	0.5344	0.0003
Base	-7042		CIM2 Min	-0.5742	-0.0951	3.2661	-0.0164	-0.5267	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7042		CIM3 Max	0.0933	1.8126	5.7636	0.0979	0.0554	0.0001
Base	-7042		CIM3 Min	-0.092	-1.5542	1.5763	-0.1125	-0.0477	-0.0002
Base	-7042		CIM4 Max	0.4325	0.2617	4.3536	0.0014	0.4065	0.0002
Base	-7042		CIM4 Min	-0.4297	-0.0549	3.7345	-0.0152	-0.3694	-0.0002
Base	-7042		CIM5 Max	0.0709	1.3761	5.6211	0.072	0.0472	0.0001
Base	-7042		CIM5 Min	-0.0681	-1.1492	2.4672	-0.0856	-0.0301	-0.0001
Base	-7042		CIM6 Max	0.5752	0.302	2.6215	0.0066	0.5329	0.0003
Base	-7042		CIM6 Min	-0.5744	-0.1466	1.7957	-0.0154	-0.5263	-0.0003
Base	-7042		CIM7 Max	0.093	1.7611	4.3113	0.1006	0.0536	0.0001
Base	-7042		CIM7 Min	-0.0922	-1.6059	0.1059	-0.1096	-0.0492	-0.0002
Base	-7047		PP	0.0004	0.2565	3.1949	-0.0123	0.0011	-2.125E-06
Base	-7047		CA	0.0032	0.0219	0.4796	-0.0009	0.0075	-1.461E-05
Base	-7047		CV	0.0056	-0.0071	0.5327	0.0006	0.0136	-2.642E-05
Base	-7047		SX Max	0.5306	0.226	0.3511	0.0113	0.4693	0.0003
Base	-7047		SY Max	0.0777	1.6575	4.0313	0.119	0.0415	0.0001
Base	-7047		CIM1	0.0095	0.2713	4.2074	-0.0125	0.0224	-4.335E-05
Base	-7047		CIM2 Max	0.4706	0.4791	3.9637	-0.0032	0.4216	0.0003
Base	-7047		CIM2 Min	-0.4633	0.0777	3.3656	-0.0231	-0.4044	-0.0003
Base	-7047		CIM3 Max	0.072	1.913	7.2222	0.0915	0.0451	0.0001
Base	-7047		CIM3 Min	-0.0647	-1.3562	0.1271	-0.1179	-0.028	-0.0001
Base	-7047		CIM4 Max	0.3562	0.4236	4.306	-0.0053	0.3267	0.0002
Base	-7047		CIM4 Min	-0.3422	0.1225	3.6425	-0.0201	-0.2906	-0.0003
Base	-7047		CIM5 Max	0.0593	1.499	6.7349	0.0656	0.0463	3.552E-05
Base	-7047		CIM5 Min	-0.0433	-0.9529	1.4135	-0.0912	-0.0065	-0.0001
Base	-7047		CIM6 Max	0.4691	0.3677	2.5136	0.002	0.4161	0.0003
Base	-7047		CIM6 Min	-0.4647	-0.0336	1.6956	-0.0176	-0.4079	-0.0003
Base	-7047		CIM7 Max	0.0705	1.6016	5.7524	0.0966	0.0417	0.0001
Base	-7047		CIM7 Min	-0.0662	-1.4675	-1.3428	-0.1126	-0.0314	-0.0001
Base	-7052		PP	0.0017	0.4149	3.2567	-0.0243	0.002	1.72E-05
Base	-7052		CA	0.0121	0.0537	0.5206	-0.0037	0.0143	0.0001
Base	-7052		CV	0.022	0.0353	0.5653	-0.0026	0.0261	0.0002
Base	-7052		SX Max	0.4473	0.1661	0.3595	0.0106	0.3648	0.0024
Base	-7052		SY Max	0.0436	1.7396	6.7026	0.1271	0.0466	0.0004
Base	-7052		CIM1	0.0358	0.504	4.3646	-0.0307	0.0424	0.0004
Base	-7052		CIM2 Max	0.4075	0.6324	4.0957	-0.0165	0.3374	0.0022
Base	-7052		CIM2 Min	-0.3796	0.3049	3.4629	-0.0375	-0.3047	-0.0019
Base	-7052		CIM3 Max	0.0522	1.9997	9.6777	0.0639	0.0573	0.0005
Base	-7052		CIM3 Min	-0.0245	-1.0624	-2.1191	-0.1399	-0.0246	-0.0002
Base	-7052		CIM4 Max	0.3255	0.6179	4.4555	-0.0229	0.2767	0.0019
Base	-7052		CIM4 Min	-0.2649	0.3723	3.961	-0.0372	-0.2049	-0.0013
Base	-7052		CIM5 Max	0.0591	1.6434	6.6421	0.0539	0.0666	0.0006
Base	-7052		CIM5 Min	0.0016	-0.6532	-0.2055	-0.114	0.0052	1.72E-05
Base	-7052		CIM6 Max	0.4019	0.4449	2.5839	-0.0073	0.3306	0.0022
Base	-7052		CIM6 Min	-0.3853	0.1174	1.9512	-0.0263	-0.3112	-0.002
Base	-7052		CIM7 Max	0.0466	1.6122	5.166	0.0951	0.0506	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7052		CIM7 Min	-0.03	-1.2499	-3.6306	-0.1267	-0.0312	-0.0003
Base	-7061		PP	0.0002	-0.476	3.1714	0.0263	-0.0001	-1.646E-05
Base	-7061		CA	-0.0006	-0.0267	0.4952	0.0016	-0.0002	1.766E-06
Base	-7061		CV	0.0001	-0.0346	0.4937	0.002	0.0001	0
Base	-7061		SX Max	0.1727	0.2004	1.5926	0.0131	0.1773	0.0007
Base	-7061		SY Max	0.1404	2.0072	3.6762	0.1366	0.0561	0.0006
Base	-7061		CIM1	-0.0004	-0.5376	4.1603	0.0299	-0.0002	-1.436E-05
Base	-7061		CIM2 Max	0.1515	-0.3264	5.066	0.0393	0.1557	0.0006
Base	-7061		CIM2 Min	-0.1524	-0.6791	2.2651	0.0163	-0.1563	-0.0006
Base	-7061		CIM3 Max	0.1231	1.2636	6.9034	0.146	0.0491	0.0005
Base	-7061		CIM3 Min	-0.124	-2.269	0.4297	-0.0924	-0.0497	-0.0005
Base	-7061		CIM4 Max	0.1136	-0.3966	5.066	0.036	0.1166	0.0004
Base	-7061		CIM4 Min	-0.1144	-0.6611	2.9657	0.0207	-0.1172	-0.0005
Base	-7061		CIM5 Max	0.0922	0.7959	6.4645	0.1195	0.0368	0.0004
Base	-7061		CIM5 Min	-0.0931	-1.6536	1.6092	-0.0605	-0.0373	-0.0004
Base	-7061		CIM6 Max	0.1517	-0.1253	3.6014	0.0262	0.1556	0.0006
Base	-7061		CIM6 Min	-0.1523	-0.476	0.7964	0.0052	-0.1562	-0.0006
Base	-7061		CIM7 Max	0.1233	1.4647	5.4367	0.1369	0.0492	0.0005
Base	-7061		CIM7 Min	-0.1238	-2.066	-1.0369	-0.1035	-0.0496	-0.0005
Base	-7070		PP	-0.0002	-0.2511	3.1905	0.0112	-0.0001	7.242E-06
Base	-7070		CA	0.0002	0.0096	0.4551	-0.0005	0.0001	6.333E-06
Base	-7070		CV	0.0006	-0.0067	0.4523	0.0003	-3.246E-05	7.574E-06
Base	-7070		SX Max	0.3543	0.3505	1.265	0.0175	0.3758	0.0011
Base	-7070		SY Max	0.1063	1.952	1.7769	0.1166	0.0593	0.0005
Base	-7070		CIM1	0.0006	-0.2463	4.0976	0.011	2.945E-05	2.115E-05
Base	-7070		CIM2 Max	0.3116	0.0672	4.7566	0.026	0.3306	0.001
Base	-7070		CIM2 Min	-0.3117	-0.5502	2.5323	-0.0047	-0.3307	-0.0009
Base	-7070		CIM3 Max	0.0936	1.4762	5.211	0.1152	0.0522	0.0004
Base	-7070		CIM3 Min	-0.0935	-1.9592	2.0601	-0.0939	-0.0521	-0.0004
Base	-7070		CIM4 Max	0.2343	-0.015	4.6197	0.0224	0.2461	0.0007
Base	-7070		CIM4 Min	-0.2334	-0.4761	3.1496	-0.0006	-0.246	-0.0007
Base	-7070		CIM5 Max	0.0706	1.0417	5.1566	0.0693	0.0391	0.0003
Base	-7070		CIM5 Min	-0.0697	-1.5349	2.6106	-0.0675	-0.0391	-0.0003
Base	-7070		CIM6 Max	0.3116	0.1636	3.3006	0.0216	0.3306	0.001
Base	-7070		CIM6 Min	-0.3117	-0.4536	1.0741	-0.009	-0.3307	-0.0009
Base	-7070		CIM7 Max	0.0936	1.5726	3.7526	0.1109	0.0522	0.0004
Base	-7070		CIM7 Min	-0.0936	-1.6626	0.6216	-0.0961	-0.0521	-0.0004
Base	-7075		PP	0.0002	-0.1033	3.2273	0.0056	4.116E-05	8.966E-07
Base	-7075		CA	0.0011	0.0242	0.4323	-0.0013	0.0002	5.266E-06
Base	-7075		CV	0.0012	-0.0009	0.4391	-0.0001	-0.0006	6.74E-06
Base	-7075		SX Max	0.5677	0.3792	0.9619	0.0161	0.5599	0.0006
Base	-7075		SY Max	0.085	1.8945	0.3256	0.1161	0.0527	0.0003
Base	-7075		CIM1	0.0025	-0.08	4.0967	0.0042	-0.0003	1.493E-05
Base	-7075		CIM2 Max	0.5009	0.2545	4.5061	0.0202	0.493	0.0007
Base	-7075		CIM2 Min	-0.4963	-0.4126	2.6131	-0.0117	-0.4925	-0.0007

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7075		CIM3 Max	0.0761	1.566	3.9463	0.1052	0.0466	0.0003
Base	-7075		CIM3 Min	-0.0735	-1.7463	3.3729	-0.0997	-0.0461	-0.0002
Base	-7075		CIM4 Max	0.3769	0.1704	4.6236	0.0162	0.3694	0.0005
Base	-7075		CIM4 Min	-0.3725	-0.33	3.354	-0.0077	-0.3697	-0.0005
Base	-7075		CIM5 Max	0.0563	1.1705	4.2039	0.0622	0.0346	0.0002
Base	-7075		CIM5 Min	-0.0539	-1.3301	3.7739	-0.0737	-0.0349	-0.0002
Base	-7075		CIM6 Max	0.5004	0.2662	3.0422	0.0165	0.4929	0.0007
Base	-7075		CIM6 Min	-0.4966	-0.3612	1.3492	-0.0134	-0.4926	-0.0007
Base	-7075		CIM7 Max	0.0755	1.6196	2.4625	0.1065	0.0465	0.0003
Base	-7075		CIM7 Min	-0.074	-1.7146	1.909	-0.1014	-0.0462	-0.0002
Base	-7060		PP	0.0003	0.0159	3.2342	-0.0009	-7.453E-06	7.395E-07
Base	-7060		CA	0.0013	0.0266	0.4221	-0.0014	-0.0006	6.37E-06
Base	-7060		CV	0.0012	-0.005	0.4475	0.0002	-0.0026	1.213E-05
Base	-7060		SX Max	0.655	0.3667	0.7091	0.0179	0.6527	0.0004
Base	-7060		SY Max	0.0944	1.6366	1.097	0.1128	0.0559	0.0003
Base	-7060		CIM1	0.0026	0.0395	4.1039	-0.0021	-0.0032	1.924E-05
Base	-7060		CIM2 Max	0.6044	0.3672	4.2604	0.0134	0.5736	0.0004
Base	-7060		CIM2 Min	-0.6011	-0.2782	3.0324	-0.016	-0.575	-0.0004
Base	-7060		CIM3 Max	0.0647	1.6607	4.6217	0.0969	0.0512	0.0002
Base	-7060		CIM3 Min	-0.0614	-1.5717	2.691	-0.1015	-0.0525	-0.0002
Base	-7060		CIM4 Max	0.4546	0.2628	4.46	0.0097	0.4263	0.0003
Base	-7060		CIM4 Min	-0.4496	-0.2013	3.524	-0.0139	-0.4333	-0.0003
Base	-7060		CIM5 Max	0.0646	1.2529	4.7161	0.0723	0.0364	0.0002
Base	-7060		CIM5 Min	-0.0596	-1.1714	3.266	-0.0766	-0.0414	-0.0002
Base	-7060		CIM6 Max	0.6037	0.3494	2.6176	0.0144	0.574	0.0004
Base	-7060		CIM6 Min	-0.6016	-0.296	1.5696	-0.0171	-0.5746	-0.0004
Base	-7060		CIM7 Max	0.0641	1.6429	3.1592	0.0979	0.0515	0.0002
Base	-7060		CIM7 Min	-0.0621	-1.5695	1.2265	-0.1006	-0.0522	-0.0002
Base	-7055		PP	0.0002	0.131	3.2195	-0.007	-0.0004	1.246E-06
Base	-7055		CA	0.0003	0.0339	0.4239	-0.0021	-0.003	6.65E-06
Base	-7055		CV	-0.0007	-0.0052	0.4756	-0.0002	-0.0073	1.656E-05
Base	-7055		SX Max	0.6605	0.3391	0.5169	0.0167	0.6176	0.0003
Base	-7055		SY Max	0.1036	1.753	2.6061	0.1137	0.0605	0.0002
Base	-7055		CIM1	-0.0002	0.1596	4.1191	-0.0093	-0.0107	2.676E-05
Base	-7055		CIM2 Max	0.5616	0.4634	4.0964	0.0056	0.5401	0.0003
Base	-7055		CIM2 Min	-0.5606	-0.1335	3.1666	-0.0236	-0.5469	-0.0003
Base	-7055		CIM3 Max	0.0919	1.734	5.9369	0.091	0.05	0.0002
Base	-7055		CIM3 Min	-0.0909	-1.4041	1.3501	-0.1091	-0.0569	-0.0002
Base	-7055		CIM4 Max	0.4359	0.3649	4.3413	0.0016	0.3966	0.0002
Base	-7055		CIM4 Min	-0.436	-0.0626	3.659	-0.0202	-0.4165	-0.0002
Base	-7055		CIM5 Max	0.0665	1.3378	5.7202	0.0656	0.0312	0.0001
Base	-7055		CIM5 Min	-0.0666	-1.0157	2.2601	-0.0843	-0.049	-0.0001
Base	-7055		CIM6 Max	0.5616	0.3974	2.641	0.0093	0.5414	0.0003
Base	-7055		CIM6 Min	-0.561	-0.1994	1.7312	-0.0201	-0.5456	-0.0003
Base	-7055		CIM7 Max	0.0917	1.668	4.4795	0.0946	0.0514	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7085		CIM7 Min	-0.0911	-1.4701	-0.1073	-0.1055	-0.0555	-0.0002
Base	-7090		PP	-0.0004	0.2641	3.1616	-0.0126	-0.0012	2.664E-06
Base	-7090		CA	-0.0029	0.0435	0.4337	-0.002	-0.0001	1.696E-05
Base	-7090		CV	-0.0067	0.0061	0.5136	-1.711E-05	-0.0165	3.166E-05
Base	-7090		SX Max	0.5306	0.303	0.4032	0.0155	0.4752	0.0004
Base	-7090		SY Max	0.0767	1.7472	4.3562	0.1125	0.0416	0.0001
Base	-7090		CIM1	-0.01	0.3137	4.1292	-0.0146	-0.0257	0.0001
Base	-7090		CIM2 Max	0.4636	0.5743	3.9703	-0.001	0.4069	0.0003
Base	-7090		CIM2 Min	-0.4704	0.041	3.2607	-0.0263	-0.4274	-0.0003
Base	-7090		CIM3 Max	0.0642	1.8451	7.4507	0.0644	0.0274	0.0001
Base	-7090		CIM3 Min	-0.0706	-1.2299	-0.2197	-0.1136	-0.0459	-0.0001
Base	-7090		CIM4 Max	0.342	0.5122	4.2669	-0.0044	0.292	0.0003
Base	-7090		CIM4 Min	-0.3566	0.1122	3.7347	-0.0249	-0.3352	-0.0002
Base	-7090		CIM5 Max	0.0423	1.4653	6.5772	0.0596	0.0059	0.0001
Base	-7090		CIM5 Min	-0.0569	-0.841	1.1244	-0.0869	-0.0491	-3.327E-05
Base	-7090		CIM6 Max	0.4651	0.4512	2.5241	0.0049	0.4126	0.0003
Base	-7090		CIM6 Min	-0.4691	-0.0521	1.6145	-0.0224	-0.4237	-0.0003
Base	-7090		CIM7 Max	0.0656	1.7221	6.0045	0.0902	0.0311	0.0001
Base	-7090		CIM7 Min	-0.0695	-1.3529	-1.6659	-0.1076	-0.0422	-0.0001
Base	-7095		PP	-0.0021	0.4195	3.2436	-0.0245	-0.0025	-2.261E-05
Base	-7095		CA	-0.0137	0.0656	0.4646	-0.0044	-0.0163	-0.0001
Base	-7095		CV	-0.0265	0.0434	0.5603	-0.0032	-0.0315	-0.0003
Base	-7095		SX Max	0.4413	0.2403	0.4412	0.0139	0.3655	0.0026
Base	-7095		SY Max	0.0342	1.6893	7.0661	0.1258	0.0355	0.0004
Base	-7095		CIM1	-0.0423	0.5267	4.2665	-0.0321	-0.0504	-0.0004
Base	-7095		CIM2 Max	0.3725	0.6968	4.0964	-0.0167	0.3026	0.0021
Base	-7095		CIM2 Min	-0.4042	0.2736	3.3199	-0.0411	-0.3405	-0.0024
Base	-7095		CIM3 Max	0.0143	1.9719	9.9457	0.0618	0.0124	0.0002
Base	-7095		CIM3 Min	-0.0459	-1.0012	-2.5294	-0.1396	-0.0501	-0.0005
Base	-7095		CIM4 Max	0.2556	0.6765	4.4196	-0.0222	0.1966	0.0013
Base	-7095		CIM4 Min	-0.327	0.3592	3.6372	-0.0404	-0.2636	-0.0021
Base	-7095		CIM5 Max	-0.0131	1.6327	8.6065	0.0517	-0.0191	-0.0001
Base	-7095		CIM5 Min	-0.0563	-0.5971	-0.5496	-0.1143	-0.0659	-0.0006
Base	-7095		CIM6 Max	0.3789	0.5027	2.6132	-0.0051	0.3104	0.0022
Base	-7095		CIM6 Min	-0.3976	0.0797	1.6366	-0.0295	-0.333	-0.0024
Base	-7095		CIM7 Max	0.0206	1.7777	6.4624	0.0934	0.0199	0.0002
Base	-7095		CIM7 Min	-0.0396	-1.1953	-4.0126	-0.126	-0.0426	-0.0004
Base	-7104		PP	0.1425	-0.1083	3.1261	0.011	0.0051	0.0001
Base	-7104		CA	0.0317	-0.0233	0.5596	0.0023	0.0012	1.63E-05
Base	-7104		CV	0.0074	-0.0072	0.5606	0.0015	4.652E-05	1.742E-05
Base	-7104		SX Max	1.2711	0.7177	0.5209	0.056	0.1207	0.0006
Base	-7104		SY Max	0.5366	0.4677	3.7311	0.1356	0.0664	0.0011
Base	-7104		CIM1	0.1617	-0.1387	4.2463	0.0148	0.0063	0.0002
Base	-7104		CIM2 Max	1.2929	0.5	4.4061	0.0643	0.1125	0.0007
Base	-7104		CIM2 Min	-0.9444	-0.7632	2.9633	-0.0376	-0.0999	-0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7104		CIM3 Max	0.6467	0.26	6.969	0.1326	0.0647	0.0011
Base	-7104		CIM3 Min	-0.2961	-0.5432	0.4024	-0.1061	-0.0521	-0.0006
Base	-7104		CIM4 Max	1.0186	0.3367	4.6479	0.0527	0.066	0.0006
Base	-7104		CIM4 Min	-0.6591	-0.6106	3.5643	-0.0239	-0.0733	-0.0003
Base	-7104		CIM5 Max	0.5341	0.1717	6.5686	0.1039	0.0501	0.0009
Base	-7104		CIM5 Min	-0.1745	-0.4456	1.6436	-0.0751	-0.0375	-0.0006
Base	-7104		CIM6 Max	1.2232	0.5526	2.9336	0.059	0.11	0.0006
Base	-7104		CIM6 Min	-1.0141	-0.7105	1.469	-0.0431	-0.1024	-0.0005
Base	-7104		CIM7 Max	0.577	0.3326	5.4947	0.1273	0.0622	0.001
Base	-7104		CIM7 Min	-0.3678	-0.4905	-1.0719	-0.1114	-0.0546	-0.0009
Base	-7109		PP	0.0289	-0.0199	3.0901	0.0031	-0.0002	-3.894E-05
Base	-7109		CA	0.0063	-0.0054	0.5828	0.0011	-0.0006	-6.962E-06
Base	-7109		CV	-0.016	0.0112	0.5717	-0.0001	-0.0017	-6.875E-06
Base	-7109		SX Max	1.3373	0.7279	0.4017	0.0668	0.1351	0.0004
Base	-7109		SY Max	0.5639	0.6132	2.095	0.2203	0.1223	0.0009
Base	-7109		CIM1	0.0172	-0.014	4.2446	0.0042	-0.0025	-0.0001
Base	-7109		CIM2 Max	1.212	0.6153	4.0264	0.0606	0.1207	0.0003
Base	-7109		CIM2 Min	-1.1416	-0.6657	3.3194	-0.0721	-0.1224	-0.0004
Base	-7109		CIM3 Max	0.549	0.5144	5.5166	0.1951	0.1068	0.0007
Base	-7109		CIM3 Min	-0.4756	-0.5648	1.6293	-0.1897	-0.1085	-0.0006
Base	-7109		CIM4 Max	0.9043	0.4636	4.3666	0.0615	0.059	0.0002
Base	-7109		CIM4 Min	-0.6609	-0.4972	3.6365	-0.0531	-0.0932	-0.0003
Base	-7109		CIM5 Max	0.4071	0.3679	5.4544	0.1496	0.0766	0.0005
Base	-7109		CIM5 Min	-0.3637	-0.4215	2.7169	-0.1412	-0.0529	-0.0006
Base	-7109		CIM6 Max	1.1979	0.6254	2.5573	0.0789	0.121	0.0004
Base	-7109		CIM6 Min	-1.1557	-0.6557	1.6502	-0.0738	-0.122	-0.0004
Base	-7109		CIM7 Max	0.5349	0.5245	4.0474	0.1964	0.1071	0.0007
Base	-7109		CIM7 Min	-0.4927	-0.5547	0.3601	-0.1913	-0.1052	-0.0006
Base	-7114		PP	-0.1129	0.0737	3.0652	-0.001	-0.0069	4.649E-05
Base	-7114		CA	-0.0245	0.0146	0.6021	0.0005	-0.0021	1.264E-05
Base	-7114		CV	-0.0463	0.0311	0.5766	-0.0008	-0.0031	1.065E-05
Base	-7114		SX Max	1.3533	0.7652	1.5641	0.079	0.1318	0.0009
Base	-7114		SY Max	0.6063	0.6536	0.9496	0.2351	0.1343	0.0005
Base	-7114		CIM1	-0.1657	0.1194	4.2639	-0.0013	-0.0121	0.0001
Base	-7114		CIM2 Max	1.0535	0.7793	5.0513	0.0691	0.1069	0.0006
Base	-7114		CIM2 Min	-1.3262	-0.6026	2.2933	-0.0701	-0.125	-0.0007
Base	-7114		CIM3 Max	0.3962	0.6637	4.5231	0.2063	0.1092	0.0005
Base	-7114		CIM3 Min	-0.6709	-0.467	2.6514	-0.2073	-0.1272	-0.0004
Base	-7114		CIM4 Max	0.7195	0.6299	5.1652	0.0511	0.0756	0.0006
Base	-7114		CIM4 Min	-1.0666	-0.4066	3.0742	-0.0533	-0.0983	-0.0005
Base	-7114		CIM5 Max	0.2265	0.5432	4.7466	0.1541	0.0773	0.0004
Base	-7114		CIM5 Min	-0.5736	-0.3199	3.4929	-0.1562	-0.1	-0.0003
Base	-7114		CIM6 Max	1.1084	0.744	3.6064	0.0693	0.1105	0.0006
Base	-7114		CIM6 Min	-1.2733	-0.636	0.6164	-0.0699	-0.1214	-0.0007
Base	-7114		CIM7 Max	0.4511	0.6264	3.0462	0.2065	0.1126	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7114		CIM7 Min	-0.616	-0.5223	1.3765	-0.2071	-0.1236	-0.0004
Base	-7119		PP	-0.2733	0.1636	3.1147	-0.004	-0.0193	-0.0002
Base	-7119		CA	-0.0573	0.0331	0.635	-0.0003	-0.0046	-3.521E-05
Base	-7119		CV	-0.0799	0.049	0.569	-0.0015	-0.0054	-3.305E-05
Base	-7119		SX Max	1.2661	0.6216	3.1716	0.0562	0.1166	0.0009
Base	-7119		SY Max	0.6519	0.5767	0.1696	0.159	0.0655	0.0006
Base	-7119		CIM1	-0.4106	0.2459	4.3366	-0.0056	-0.0295	-0.0002
Base	-7119		CIM2 Max	0.6029	0.92	6.5406	0.0469	0.0766	0.0006
Base	-7119		CIM2 Min	-1.4642	-0.5261	0.9567	-0.0555	-0.1267	-0.001
Base	-7119		CIM3 Max	0.243	0.7061	3.9165	0.1356	0.0512	0.0005
Base	-7119		CIM3 Min	-0.9043	-0.3123	3.5626	-0.1443	-0.0993	-0.0009
Base	-7119		CIM4 Max	0.4596	0.7759	6.2646	0.033	0.0466	0.0004
Base	-7119		CIM4 Min	-1.2406	-0.3066	2.0962	-0.0436	-0.1051	-0.0006
Base	-7119		CIM5 Max	0.0397	0.6156	4.3165	0.0995	0.0263	0.0003
Base	-7119		CIM5 Min	-0.8206	-0.1483	4.0663	-0.1104	-0.0646	-0.0006
Base	-7119		CIM6 Max	0.9352	0.8412	5.0406	0.0466	0.0662	0.0006
Base	-7119		CIM6 Min	-1.3319	-0.6049	-0.5412	-0.0536	-0.1171	-0.0009
Base	-7119		CIM7 Max	0.3753	0.6274	2.4166	0.1373	0.0606	0.0006
Base	-7119		CIM7 Min	-0.772	-0.3911	2.063	-0.1425	-0.0897	-0.0006
Base	-7126		PP	0.2941	0.1692	3.2273	-0.0046	0.0195	0.0002
Base	-7126		CA	0.0766	0.0461	0.655	-0.0024	0.0047	3.674E-05
Base	-7126		CV	0.0696	0.0541	0.601	-0.0024	0.0052	3.44E-05
Base	-7126		SX Max	1.3354	0.6213	3.333	0.076	0.1214	0.0009
Base	-7126		SY Max	0.5772	0.5563	0.1662	0.2029	0.111	0.001
Base	-7126		CIM1	0.4605	0.2694	4.4632	-0.0094	0.0296	0.0002
Base	-7126		CIM2 Max	1.5459	0.936	6.8153	0.0617	0.1313	0.001
Base	-7126		CIM2 Min	-0.6045	-0.5075	0.9492	-0.0756	-0.0523	-0.0005
Base	-7126		CIM3 Max	0.8767	0.7066	4.0303	0.1715	0.1222	0.0011
Base	-7126		CIM3 Min	-0.1373	-0.2761	3.7342	-0.1655	-0.0732	-0.0006
Base	-7126		CIM4 Max	1.3194	0.7979	6.5326	0.0427	0.1064	0.0006
Base	-7126		CIM4 Min	-0.4433	-0.2662	2.1332	-0.0602	-0.0516	-0.0003
Base	-7126		CIM5 Max	0.5191	0.6243	4.444	0.1251	0.1016	0.0009
Base	-7126		CIM5 Min	0.0571	-0.1127	4.2219	-0.1426	-0.0449	-0.0004
Base	-7126		CIM6 Max	1.3976	0.8519	5.2624	0.0645	0.1215	0.0009
Base	-7126		CIM6 Min	-0.9527	-0.5936	-0.6037	-0.0726	-0.0921	-0.0006
Base	-7126		CIM7 Max	0.7304	0.6205	2.4774	0.1743	0.1124	0.001
Base	-7126		CIM7 Min	-0.2656	-0.3622	2.1613	-0.1627	-0.063	-0.0007
Base	-7137		PP	0.1201	0.0757	3.2096	-0.0017	0.0065	-0.0001
Base	-7137		CA	0.035	0.024	0.6455	-0.0016	0.0011	-1.09E-05
Base	-7137		CV	0.0528	0.0341	0.6097	-0.0019	0.0024	-9.877E-06
Base	-7137		SX Max	1.3966	0.7622	1.6316	0.1011	0.137	0.001
Base	-7137		SY Max	0.545	0.673	1.105	0.3044	0.1744	0.0005
Base	-7137		CIM1	0.206	0.1336	4.465	-0.0054	0.0101	-0.0001
Base	-7137		CIM2 Max	1.3661	0.768	5.2911	0.0655	0.1262	0.0006
Base	-7137		CIM2 Min	-1.0756	-0.5667	2.4195	-0.0924	-0.1129	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7137		CIM3 Max	0.6346	0.6919	4.6277	0.2644	0.1611	0.0004
Base	-7137		CIM3 Min	-0.3244	-0.4926	2.8529	-0.2713	-0.1459	-0.0005
Base	-7137		CIM4 Max	1.116	0.6415	5.3895	0.0616	0.0999	0.0006
Base	-7137		CIM4 Min	-0.7264	-0.391	3.2357	-0.0716	-0.061	-0.0007
Base	-7137		CIM5 Max	0.5545	0.5694	5.0419	0.196	0.1246	0.0003
Base	-7137		CIM5 Min	-0.1649	-0.3189	3.5833	-0.2056	-0.1057	-0.0004
Base	-7137		CIM6 Max	1.324	0.7461	3.749	0.0669	0.1251	0.0006
Base	-7137		CIM6 Min	-1.1376	-0.6265	0.8774	-0.0911	-0.116	-0.0009
Base	-7137		CIM7 Max	0.5727	0.652	3.2656	0.2656	0.1561	0.0004
Base	-7137		CIM7 Min	-0.3865	-0.5324	1.3406	-0.2699	-0.1459	-0.0005
Base	-7142		PP	-0.031	-0.0192	3.2193	0.0024	-0.0003	4.111E-05
Base	-7142		CA	0.001	0.0023	0.6364	-0.0011	2.606E-06	9.566E-07
Base	-7142		CV	0.0165	0.0124	0.6176	-0.001	0.001	4.1E-06
Base	-7142		SX Max	1.3689	0.7162	0.3672	0.101	0.1431	0.0005
Base	-7142		SY Max	0.5076	0.6156	2.2626	0.2609	0.1573	0.001
Base	-7142		CIM1	-0.0115	-0.0044	4.4754	0.0003	0.0008	4.617E-05
Base	-7142		CIM2 Max	1.1922	0.6134	4.1609	0.0902	0.1256	0.0005
Base	-7142		CIM2 Min	-1.2523	-0.6471	3.5347	-0.0875	-0.1262	-0.0004
Base	-7142		CIM3 Max	0.4166	0.525	5.6664	0.2485	0.1351	0.001
Base	-7142		CIM3 Min	-0.4769	-0.5586	1.6491	-0.2459	-0.1367	-0.0009
Base	-7142		CIM4 Max	0.9005	0.4651	4.5633	0.0672	0.0949	0.0004
Base	-7142		CIM4 Min	-0.9326	-0.4602	4.0767	-0.0661	-0.0939	-0.0003
Base	-7142		CIM5 Max	0.319	0.3969	5.6275	0.186	0.1043	0.0007
Base	-7142		CIM5 Min	-0.3513	-0.414	2.8145	-0.1646	-0.1033	-0.0006
Base	-7142		CIM6 Max	1.2042	0.6201	2.6376	0.0696	0.1257	0.0005
Base	-7142		CIM6 Min	-1.2403	-0.6404	1.9916	-0.066	-0.1261	-0.0004
Base	-7142		CIM7 Max	0.4266	0.5316	4.3233	0.246	0.1362	0.0009
Base	-7142		CIM7 Min	-0.4649	-0.5521	0.306	-0.2464	-0.1356	-0.0009
Base	-7147		PP	-0.1569	-0.1117	3.2531	0.0106	-0.0062	-0.0001
Base	-7147		CA	-0.031	-0.0206	0.6201	0.0013	-0.0019	-2.366E-05
Base	-7147		CV	-0.012	-0.0083	0.6134	0.0011	-0.0007	-2.195E-05
Base	-7147		SX Max	1.3316	0.7021	0.9451	0.0652	0.1262	0.0006
Base	-7147		SY Max	0.4436	0.4155	3.9696	0.164	0.0824	0.0013
Base	-7147		CIM1	-0.1989	-0.1417	4.4665	0.0133	-0.0066	-0.0002
Base	-7147		CIM2 Max	0.984	0.4654	4.7046	0.0695	0.103	0.0004
Base	-7147		CIM2 Min	-1.3597	-0.7503	3.0415	-0.0452	-0.1191	-0.0007
Base	-7147		CIM3 Max	0.2025	0.2332	7.3666	0.1565	0.0645	0.001
Base	-7147		CIM3 Min	-0.5762	-0.4961	0.3797	-0.1322	-0.0506	-0.0013
Base	-7147		CIM4 Max	0.682	0.324	4.9569	0.056	0.0747	0.0002
Base	-7147		CIM4 Min	-1.0757	-0.6026	3.7094	-0.03	-0.0919	-0.0006
Base	-7147		CIM5 Max	0.0959	0.1349	6.9533	0.1212	0.0456	0.0007
Base	-7147		CIM5 Min	-0.4896	-0.4136	1.7131	-0.0952	-0.063	-0.001
Base	-7147		CIM6 Max	1.0591	0.5364	3.1555	0.0647	0.1062	0.0004
Base	-7147		CIM6 Min	-1.2645	-0.6973	1.4922	-0.0501	-0.1159	-0.0006
Base	-7147		CIM7 Max	0.2776	0.2662	5.6173	0.1516	0.0677	0.001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7147		CIM7 Min	-0.503	-0.4451	-1.1696	-0.137	-0.0774	-0.0012
Base	-7152		PP	0.045	-0.0044	1.3102	0.0021	0.0036	7.402E-06
Base	-7152		CA	0.1427	-0.0007	0.0131	0.0004	0.0122	6.239E-07
Base	-7152		CV	0.3034	-0.0002	-0.1784	0.0001	0.0273	0
Base	-7152		SX Max	0.5153	0.0515	1.3526	0.0361	0.0566	0.0002
Base	-7152		SY Max	0.163	0.0691	1.046	0.0386	0.0154	0.0001
Base	-7152		CIM1	0.491	-0.0053	1.1446	0.0027	0.0432	8.355E-06
Base	-7152		CIM2 Max	0.6411	0.0402	2.5137	0.036	0.0674	0.0002
Base	-7152		CIM2 Min	-0.2656	-0.0504	0.1328	-0.031	-0.0357	-0.0002
Base	-7152		CIM3 Max	0.3311	0.0469	2.2437	0.0365	0.0295	0.0001
Base	-7152		CIM3 Min	0.0443	-0.0571	0.4026	-0.0314	0.0023	-0.0001
Base	-7152		CIM4 Max	0.7553	0.0267	2.0623	0.0276	0.075	0.0001
Base	-7152		CIM4 Min	0.0751	-0.0393	0.2966	-0.0225	-0.0023	-0.0001
Base	-7152		CIM5 Max	0.5227	0.0337	1.5796	0.0261	0.0465	0.0001
Base	-7152		CIM5 Min	0.3076	-0.0442	0.4991	-0.0226	0.0262	-0.0001
Base	-7152		CIM6 Max	0.566	0.0423	1.9644	0.035	0.0611	0.0002
Base	-7152		CIM6 Min	-0.3409	-0.0464	-0.3965	-0.032	-0.042	-0.0002
Base	-7152		CIM7 Max	0.256	0.0459	1.7144	0.0355	0.0231	0.0001
Base	-7152		CIM7 Min	-0.0306	-0.055	-0.1265	-0.0325	-0.0041	-0.0001
Base	-7161		PP	0.0062	-0.0114	2.834	0.006	0.0007	-0.0001
Base	-7161		CA	-0.1436	-0.0036	0.5602	0.0019	0.0044	-1.956E-05
Base	-7161		CV	-0.307	-0.0059	0.6962	0.003	0.0053	-2.632E-05
Base	-7161		SX Max	0.6511	0.2573	2.0326	0.1716	0.0667	0.0006
Base	-7161		SY Max	0.6552	0.1636	5.3556	0.1541	0.0299	0.0009
Base	-7161		CIM1	-0.4444	-0.0211	4.0904	0.0109	0.0104	-0.0001
Base	-7161		CIM2 Max	0.4355	0.2113	5.1631	0.1591	0.0635	0.0006
Base	-7161		CIM2 Min	-0.7104	-0.2416	1.6054	-0.1433	-0.0536	-0.0006
Base	-7161		CIM3 Max	0.4392	0.1465	5.1072	0.1435	0.0315	0.0007
Base	-7161		CIM3 Min	-0.714	-0.1767	-1.3167	-0.1276	-0.0212	-0.0009
Base	-7161		CIM4 Max	0.062	0.1502	5.256	0.1235	0.0531	0.0004
Base	-7161		CIM4 Min	-0.7974	-0.1694	2.5747	-0.1033	-0.0349	-0.0006
Base	-7161		CIM5 Max	0.0648	0.1016	7.4511	0.1119	0.0269	0.0005
Base	-7161		CIM5 Min	-0.8001	-0.1406	0.3516	-0.0916	-0.0107	-0.0007
Base	-7161		CIM6 Max	0.4905	0.2173	3.8254	0.1559	0.0618	0.0006
Base	-7161		CIM6 Min	-0.6554	-0.2355	0.2477	-0.1465	-0.0557	-0.0007
Base	-7161		CIM7 Max	0.4941	0.1525	6.7495	0.1403	0.0294	0.0006
Base	-7161		CIM7 Min	-0.6591	-0.1707	-2.6764	-0.1309	-0.0233	-0.0009
Base	-7170		PP	0.1024	-0.0116	2.4505	0.0057	0.0065	0.0001
Base	-7170		CA	0.2162	-0.004	0.5532	0.0017	0.0213	2.051E-05
Base	-7170		CV	0.4044	-0.0059	0.7333	0.0025	0.0395	2.966E-05
Base	-7170		SX Max	0.6659	0.1735	0.6751	0.1177	0.0602	0.0004
Base	-7170		SY Max	0.4656	0.1233	4.0721	0.1464	0.0204	0.0003
Base	-7170		CIM1	0.723	-0.0214	3.737	0.0099	0.0692	0.0001
Base	-7170		CIM2 Max	0.9223	0.1372	3.6005	0.111	0.0626	0.0005
Base	-7170		CIM2 Min	-0.265	-0.1662	2.407	-0.0962	-0.0232	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7170		CIM3 Max	0.7459	0.093	6.5872	0.1363	0.0477	0.0004
Base	-7170		CIM3 Min	-0.1067	-0.124	-0.5797	-0.1214	0.0116	-0.0002
Base	-7170		CIM4 Max	1.0747	0.0946	4.0013	0.067	0.0991	0.0004
Base	-7170		CIM4 Min	0.1692	-0.1345	3.1061	-0.0664	0.0196	-0.0002
Base	-7170		CIM5 Max	0.9424	0.0615	6.2413	0.1059	0.0728	0.0003
Base	-7170		CIM5 Min	0.3015	-0.1013	0.6661	-0.0674	0.0459	-0.0001
Base	-7170		CIM6 Max	0.7946	0.1434	2.399	0.106	0.0709	0.0004
Base	-7170		CIM6 Min	-0.4124	-0.162	1.2055	-0.0991	-0.0351	-0.0003
Base	-7170		CIM7 Max	0.6165	0.0992	5.3657	0.1333	0.0356	0.0003
Base	-7170		CIM7 Min	-0.2361	-0.1176	-1.7612	-0.1244	-0.0001	-0.0002
Base	-7175		PP	-0.0762	-0.002	2.3927	0.0024	-0.0054	-3.129E-05
Base	-7175		CA	0.0954	-0.0023	0.4511	0.0016	-0.0013	-3.745E-06
Base	-7175		CV	0.1994	-0.0041	0.5471	0.0026	-0.0009	-3.398E-06
Base	-7175		SX Max	0.635	0.3055	2.6155	0.2235	0.0595	0.0007
Base	-7175		SY Max	0.5139	0.3555	3.5445	0.3091	0.027	0.0014
Base	-7175		CIM1	0.2166	-0.0083	3.3909	0.0067	-0.0075	-3.643E-05
Base	-7175		CIM2 Max	0.576	0.2646	5.3214	0.2006	0.0457	0.0006
Base	-7175		CIM2 Min	-0.5397	-0.2731	0.3661	-0.1927	-0.059	-0.0006
Base	-7175		CIM3 Max	0.4714	0.3349	5.9629	0.276	0.0171	0.0012
Base	-7175		CIM3 Min	-0.4331	-0.3435	-0.2754	-0.2661	-0.0304	-0.0013
Base	-7175		CIM4 Max	0.5676	0.1943	5.1124	0.1535	0.032	0.0004
Base	-7175		CIM4 Min	-0.2504	-0.2089	1.3959	-0.1414	-0.0465	-0.0005
Base	-7175		CIM5 Max	0.5079	0.2471	5.5935	0.2101	0.0106	0.0009
Base	-7175		CIM5 Min	-0.1705	-0.2617	0.9146	-0.196	-0.0251	-0.001
Base	-7175		CIM6 Max	0.5703	0.2663	4.1639	0.199	0.0464	0.0006
Base	-7175		CIM6 Min	-0.5473	-0.2714	-0.7714	-0.1943	-0.0563	-0.0006
Base	-7175		CIM7 Max	0.4636	0.3366	4.6254	0.2744	0.0196	0.0013
Base	-7175		CIM7 Min	-0.4406	-0.3418	-1.4129	-0.2697	-0.0277	-0.0013
Base	-7184		PP	-0.0423	-0.0044	1.3156	0.0022	-0.0034	-7.647E-06
Base	-7184		CA	-0.1221	-0.0006	0.0455	0.0003	-0.0105	-9.81E-07
Base	-7184		CV	-0.2593	-0.0002	-0.1256	0.0001	-0.0235	-5.916E-07
Base	-7184		SX Max	0.5235	0.0544	1.3926	0.0404	0.0591	0.0002
Base	-7184		SY Max	0.1543	0.0527	1.0346	0.0357	0.0143	0.0001
Base	-7184		CIM1	-0.4237	-0.0052	1.2356	0.0026	-0.0375	-9.22E-06
Base	-7184		CIM2 Max	0.2962	0.0429	2.5866	0.036	0.0361	0.0002
Base	-7184		CIM2 Min	-0.625	-0.0529	0.1359	-0.033	-0.066	-0.0002
Base	-7184		CIM3 Max	-0.0266	0.0413	2.272	0.0339	-0.0014	0.0001
Base	-7184		CIM3 Min	-0.3002	-0.0514	0.4506	-0.029	-0.0265	-0.0001
Base	-7184		CIM4 Max	-0.0134	0.0307	2.1663	0.0292	0.0074	0.0001
Base	-7184		CIM4 Min	-0.7043	-0.0411	0.3461	-0.0241	-0.0707	-0.0001
Base	-7184		CIM5 Max	-0.257	0.0296	1.9501	0.0262	-0.0222	0.0001
Base	-7184		CIM5 Min	-0.4607	-0.0399	0.5842	-0.021	-0.0411	-0.0001
Base	-7184		CIM6 Max	0.362	0.0449	2.0423	0.037	0.0437	0.0002
Base	-7184		CIM6 Min	-0.5593	-0.0509	-0.4056	-0.034	-0.0604	-0.0002
Base	-7184		CIM7 Max	0.0372	0.0433	1.7274	0.0329	0.0042	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7184		CIM7 Min	-0.2344	-0.0493	-0.0935	-0.03	-0.0209	-0.0001
Base	-7193		PP	0.0121	-0.0093	2.1671	0.004	0.0001	-4.249E-05
Base	-7193		CA	-0.0106	-0.001	0.1967	0.0004	-0.0007	-4.67E-06
Base	-7193		CV	-0.033	-0.001	0.1736	0.0004	-0.0023	-4.926E-06
Base	-7193		SX Max	0.4339	0.2076	1.2201	0.1276	0.0479	0.0004
Base	-7193		SY Max	0.3101	0.0773	2.4264	0.0639	0.0174	0.0003
Base	-7193		CIM1	-0.0316	-0.0113	2.5396	0.0046	-0.0029	-0.0001
Base	-7193		CIM2 Max	0.3631	0.1725	3.4395	0.1167	0.0416	0.0003
Base	-7193		CIM2 Min	-0.3805	-0.1932	1.2922	-0.1079	-0.0426	-0.0004
Base	-7193		CIM3 Max	0.2742	0.0577	4.5011	0.0607	0.0146	0.0002
Base	-7193		CIM3 Min	-0.2716	-0.0783	0.2306	-0.0516	-0.0156	-0.0003
Base	-7193		CIM4 Max	0.2629	0.1261	3.3014	0.089	0.0293	0.0002
Base	-7193		CIM4 Min	-0.3099	-0.1462	1.691	-0.0795	-0.0339	-0.0003
Base	-7193		CIM5 Max	0.1612	0.04	4.0976	0.0469	0.0092	0.0002
Base	-7193		CIM5 Min	-0.2262	-0.0621	0.6946	-0.0375	-0.0136	-0.0003
Base	-7193		CIM6 Max	0.3626	0.1767	2.4932	0.115	0.0416	0.0003
Base	-7193		CIM6 Min	-0.361	-0.1691	0.3459	-0.1097	-0.0424	-0.0004
Base	-7193		CIM7 Max	0.2737	0.0618	3.5546	0.0589	0.015	0.0003
Base	-7193		CIM7 Min	-0.2721	-0.0742	-0.7157	-0.0536	-0.0156	-0.0003
Base	-7206		PP	0.3365	0.0059	2.6312	-0.0026	0.0206	3.669E-05
Base	-7206		CA	0.0903	0.0005	0.2927	-0.0003	0.0054	1.275E-06
Base	-7206		CV	0.1924	0.0004	0.4415	-0.0004	0.0113	-1.359E-06
Base	-7206		SX Max	1.1962	0.1469	4.9227	0.1272	0.0956	0.0006
Base	-7206		SY Max	0.209	0.0542	0.3203	0.0706	0.0124	0.0009
Base	-7206		CIM1	0.6191	0.0068	3.3655	-0.0033	0.0373	3.661E-05
Base	-7206		CIM2 Max	1.4794	0.1356	7.2559	0.109	0.1101	0.0007
Base	-7206		CIM2 Min	-0.6259	-0.1226	-1.406	-0.1146	-0.0561	-0.0006
Base	-7206		CIM3 Max	0.6107	0.0541	3.2056	0.0593	0.0369	0.0006
Base	-7206		CIM3 Min	0.2429	-0.0413	2.6421	-0.0652	0.0151	-0.0006
Base	-7206		CIM4 Max	1.3665	0.1036	6.5041	0.0607	0.0976	0.0005
Base	-7206		CIM4 Min	-0.2164	-0.0902	0.0061	-0.0671	-0.0286	-0.0005
Base	-7206		CIM5 Max	0.709	0.0425	3.4665	0.0435	0.0427	0.0006
Base	-7206		CIM5 Min	0.4331	-0.0291	3.0437	-0.0499	0.0263	-0.0006
Base	-7206		CIM6 Max	1.3067	0.1331	6.0664	0.1101	0.0997	0.0007
Base	-7206		CIM6 Min	-0.7966	-0.1254	-2.5776	-0.1137	-0.0665	-0.0006
Base	-7206		CIM7 Max	0.44	0.0516	2.0362	0.0605	0.0265	0.0006
Base	-7206		CIM7 Min	0.0722	-0.0439	1.4725	-0.064	0.0047	-0.0006
Base	-7215		PP	-0.0001	0.1976	2.6322	-0.0116	-0.0003	-5.107E-06
Base	-7215		CA	-1.597E-05	0.0233	0.2471	-0.0014	-0.0001	0
Base	-7215		CV	-0.0002	0.0264	0.2232	-0.0016	-0.0003	-1.565E-06
Base	-7215		SX Max	0.5701	0.1215	0.5224	0.006	0.6796	0.0021
Base	-7215		SY Max	0.0992	0.7472	3.4654	0.0678	0.0776	0.0004
Base	-7215		CIM1	-0.0002	0.2475	3.1025	-0.0149	-0.0006	-7.14E-06
Base	-7215		CIM2 Max	0.7656	0.326	3.339	-0.0062	0.5975	0.0019
Base	-7215		CIM2 Min	-0.7657	0.1141	2.4196	-0.0203	-0.5966	-0.0019

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7215		CIM3 Max	0.0672	0.6766	5.9266	0.0464	0.0679	0.0003
Base	-7215		CIM3 Min	-0.0674	-0.4364	-0.1703	-0.0729	-0.0687	-0.0003
Base	-7215		CIM4 Max	0.574	0.3211	3.3915	-0.0092	0.4461	0.0014
Base	-7215		CIM4 Min	-0.5744	0.1607	2.7019	-0.0197	-0.4492	-0.0014
Base	-7215		CIM5 Max	0.0653	0.734	5.3339	0.0303	0.0506	0.0002
Base	-7215		CIM5 Min	-0.0657	-0.2523	0.7595	-0.0592	-0.0516	-0.0002
Base	-7215		CIM6 Max	0.7656	0.2396	2.1673	-0.0009	0.596	0.0019
Base	-7215		CIM6 Min	-0.7657	0.0257	1.2679	-0.015	-0.5954	-0.0019
Base	-7215		CIM7 Max	0.0672	0.7902	4.7771	0.0517	0.0681	0.0003
Base	-7215		CIM7 Min	-0.0673	-0.5249	-1.322	-0.0676	-0.0685	-0.0003
Base	-7224		PP	-0.0006	0.0169	2.5724	-0.0011	-0.001	-1.996E-05
Base	-7224		CA	-0.0001	0.0064	0.2361	-0.0005	-0.0002	-2.946E-06
Base	-7224		CV	-0.0003	0.0176	0.216	-0.0005	-0.0005	-4.519E-06
Base	-7224		SX Max	0.5277	0.126	0.5241	0.0075	0.4515	0.0004
Base	-7224		SY Max	0.0966	0.651	1.0737	0.0672	0.0579	0.0002
Base	-7224		CIM1	-0.0011	0.0429	3.0265	-0.0025	-0.0016	-2.743E-05
Base	-7224		CIM2 Max	0.4636	0.1379	3.2716	0.005	0.396	0.0003
Base	-7224		CIM2 Min	-0.4651	-0.0573	2.3493	-0.0063	-0.3956	-0.0004
Base	-7224		CIM3 Max	0.056	0.7742	3.7553	0.0575	0.0497	0.0001
Base	-7224		CIM3 Min	-0.0575	-0.7236	1.6657	-0.0606	-0.0522	-0.0002
Base	-7224		CIM4 Max	0.3473	0.123	3.3199	0.0027	0.2963	0.0002
Base	-7224		CIM4 Min	-0.3493	-0.0459	2.6261	-0.0072	-0.2997	-0.0003
Base	-7224		CIM5 Max	0.064	0.6002	3.6526	0.0421	0.0365	0.0001
Base	-7224		CIM5 Min	-0.066	-0.5232	2.2654	-0.0466	-0.0399	-0.0001
Base	-7224		CIM6 Max	0.4639	0.1276	2.1475	0.0057	0.3966	0.0003
Base	-7224		CIM6 Min	-0.4648	-0.0975	1.2251	-0.0076	-0.3961	-0.0004
Base	-7224		CIM7 Max	0.0663	0.7641	2.6311	0.0562	0.0502	0.0001
Base	-7224		CIM7 Min	-0.0672	-0.7337	0.7415	-0.0602	-0.0517	-0.0002
Base	-7229		PP	-0.0069	-0.1755	2.6024	0.0102	-0.0026	0.0001
Base	-7229		CA	-0.001	-0.0065	0.2499	0.0006	-0.0006	7.65E-06
Base	-7229		CV	-0.0016	0.0124	0.2471	-0.0003	-0.0011	9.536E-06
Base	-7229		SX Max	0.2419	0.1696	0.7921	0.007	0.2249	0.0005
Base	-7229		SY Max	0.0944	0.6462	1.0345	0.0655	0.0399	0.0003
Base	-7229		CIM1	-0.0095	-0.1697	3.0993	0.0104	-0.0045	0.0001
Base	-7229		CIM2 Max	0.205	-0.0326	3.5493	0.0169	0.1945	0.0005
Base	-7229		CIM2 Min	-0.2206	-0.3313	2.1552	0.0045	-0.2013	-0.0003
Base	-7229		CIM3 Max	0.0751	0.5626	3.7626	0.071	0.0317	0.0004
Base	-7229		CIM3 Min	-0.091	-0.9267	1.9419	-0.0496	-0.0365	-0.0002
Base	-7229		CIM4 Max	0.1505	-0.0606	3.5603	0.0151	0.1442	0.0004
Base	-7229		CIM4 Min	-0.1666	-0.2647	2.5146	0.0059	-0.1527	-0.0002
Base	-7229		CIM5 Max	0.0532	0.3657	3.7203	0.0557	0.0221	0.0003
Base	-7229		CIM5 Min	-0.0714	-0.7312	2.3546	-0.0347	-0.0305	-0.0001
Base	-7229		CIM6 Max	0.2051	0.04	2.4064	0.0126	0.1959	0.0005
Base	-7229		CIM6 Min	-0.2177	-0.2585	1.0143	0.0003	-0.2	-0.0004
Base	-7229		CIM7 Max	0.0763	0.6354	2.6217	0.0667	0.033	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7229		CIM7 Min	-0.0676	-0.0539	0.801	-0.0539	-0.0371	-0.0002
Base	-7234		PP	0.2402	0.0136	2.0351	-0.006	0.0146	0.0001
Base	-7234		CA	0.0666	0.0022	0.3766	-0.001	0.0045	6.757E-06
Base	-7234		CV	0.0785	0.0024	0.4293	-0.0011	0.0055	6.47E-06
Base	-7234		SX Max	0.7007	0.1165	2.5657	0.0726	0.0626	0.0003
Base	-7234		SY Max	0.2666	0.0635	2.6916	0.0636	0.0164	0.0004
Base	-7234		CIM1	0.3664	0.0164	2.641	-0.0062	0.0246	0.0001
Base	-7234		CIM2 Max	0.9235	0.1166	4.6695	0.057	0.0744	0.0003
Base	-7234		CIM2 Min	-0.3096	-0.0665	0.1539	-0.0712	-0.0357	-0.0002
Base	-7234		CIM3 Max	0.5592	0.0695	4.9565	0.0489	0.0337	0.0004
Base	-7234		CIM3 Min	0.0545	-0.0575	-0.1331	-0.0631	0.0049	-0.0003
Base	-7234		CIM4 Max	0.629	0.0947	4.4271	0.0402	0.0646	0.0003
Base	-7234		CIM4 Min	-0.096	-0.0591	1.0403	-0.056	-0.0176	-0.0001
Base	-7234		CIM5 Max	0.5556	0.0729	4.6423	0.0341	0.0343	0.0003
Base	-7234		CIM5 Min	0.1772	-0.0373	0.6251	-0.0499	0.0127	-0.0002
Base	-7234		CIM6 Max	0.6006	0.1122	3.7046	0.0599	0.0667	0.0003
Base	-7234		CIM6 Min	-0.4325	-0.0929	-0.6106	-0.0663	-0.0435	-0.0002
Base	-7234		CIM7 Max	0.4365	0.0831	3.9916	0.0516	0.026	0.0004
Base	-7234		CIM7 Min	-0.0662	-0.0639	-1.0975	-0.0602	-0.0026	-0.0003
Base	-7243		PP	2.444E-05	0.0109	2.6966	-0.0056	0.0005	-0.0001
Base	-7243		CA	0.1632	0.0035	0.6553	-0.0017	0.0039	-2.991E-05
Base	-7243		CV	0.2923	0.006	1.2662	-0.0029	0.007	-4.883E-05
Base	-7243		SX Max	0.6799	0.1644	2.4633	0.1374	0.057	0.001
Base	-7243		SY Max	0.5663	0.1765	4.7914	0.1476	0.0262	0.0006
Base	-7243		CIM1	0.4555	0.0205	5.0202	-0.0102	0.0115	-0.0002
Base	-7243		CIM2 Max	0.7615	0.1767	5.9196	0.1136	0.0635	0.0006
Base	-7243		CIM2 Min	-0.4351	-0.1476	1.5843	-0.1261	-0.0545	-0.001
Base	-7243		CIM3 Max	0.6792	0.1715	7.9665	0.1227	0.0293	0.0006
Base	-7243		CIM3 Min	-0.3527	-0.1426	-0.4644	-0.1372	-0.0204	-0.0006
Base	-7243		CIM4 Max	0.6312	0.1407	6.329	0.0612	0.054	0.0005
Base	-7243		CIM4 Min	-0.0663	-0.1027	3.0774	-0.1001	-0.0345	-0.0006
Base	-7243		CIM5 Max	0.7694	0.1368	7.8655	0.066	0.0264	0.0004
Base	-7243		CIM5 Min	-0.0045	-0.0966	1.5409	-0.1069	-0.0059	-0.0007
Base	-7243		CIM6 Max	0.6962	0.171	4.419	0.1165	0.0617	0.0009
Base	-7243		CIM6 Min	-0.5004	-0.1536	0.0535	-0.1252	-0.0563	-0.001
Base	-7243		CIM7 Max	0.6139	0.1656	6.4677	0.1256	0.0275	0.0007
Base	-7243		CIM7 Min	-0.416	-0.1484	-1.9652	-0.1343	-0.0222	-0.0006
Base	-7256		PP	0.0017	0.0109	2.6914	-0.0056	-0.0005	0.0001
Base	-7256		CA	-0.1594	0.0034	0.6469	-0.0016	-0.0039	2.947E-05
Base	-7256		CV	-0.2576	0.0059	1.2591	-0.0028	-0.0074	4.667E-05
Base	-7256		SX Max	0.6736	0.1667	2.4919	0.1381	0.0667	0.001
Base	-7256		SY Max	0.5573	0.1792	4.7245	0.1476	0.0255	0.0006
Base	-7256		CIM1	-0.4455	0.0201	4.9993	-0.0099	-0.0116	0.0002
Base	-7256		CIM2 Max	0.4351	0.1765	5.9331	0.1144	0.0543	0.001
Base	-7256		CIM2 Min	-0.7504	-0.15	1.5474	-0.1267	-0.0631	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7256		CIM3 Max	0.3326	0.1719	7.6976	0.1226	0.0161	0.0006
Base	-7256		CIM3 Min	-0.6461	-0.1434	-0.4174	-0.137	-0.0269	-0.0006
Base	-7256		CIM4 Max	0.071	0.1416	6.3292	0.0619	0.0341	0.0006
Base	-7256		CIM4 Min	-0.6161	-0.1045	3.0399	-0.1004	-0.0539	-0.0005
Base	-7256		CIM5 Max	-0.0057	0.1369	7.6026	0.0662	0.0069	0.0007
Base	-7256		CIM5 Min	-0.7414	-0.0996	1.5663	-0.1066	-0.0266	-0.0004
Base	-7256		CIM6 Max	0.4951	0.1726	4.437	0.1173	0.056	0.001
Base	-7256		CIM6 Min	-0.6673	-0.1557	0.0513	-0.1256	-0.0613	-0.0006
Base	-7256		CIM7 Max	0.3959	0.1662	6.4017	0.1256	0.0196	0.0006
Base	-7256		CIM7 Min	-0.5851	-0.1491	-1.9135	-0.1342	-0.0251	-0.0007
Base	-7269		PP	-0.3391	0.0059	2.629	-0.0026	-0.0206	-4.096E-05
Base	-7269		CA	-0.0792	0.0003	0.2516	-0.0002	-0.0049	-1.044E-06
Base	-7269		CV	-0.1634	0.0003	0.4389	-0.0003	-0.0114	7.767E-07
Base	-7269		SX Max	1.2317	0.1425	5.0342	0.1198	0.0977	0.0007
Base	-7269		SY Max	0.1586	0.06	0.3036	0.0786	0.011	0.0009
Base	-7269		CIM1	-0.6017	0.0065	3.3195	-0.003	-0.0369	-4.123E-05
Base	-7269		CIM2 Max	0.6656	0.1316	7.3106	0.1027	0.0604	0.0006
Base	-7269		CIM2 Min	-1.5022	-0.1192	-1.5495	-0.1062	-0.1115	-0.0006
Base	-7269		CIM3 Max	-0.2523	0.059	3.1477	0.0666	-0.0159	0.0006
Base	-7269		CIM3 Min	-0.5842	-0.0466	2.6134	-0.0721	-0.0352	-0.0009
Base	-7269		CIM4 Max	0.2571	0.1005	6.5323	0.0761	0.0304	0.0004
Base	-7269		CIM4 Min	-1.3666	-0.0676	-0.1126	-0.062	-0.0965	-0.0005
Base	-7269		CIM5 Max	-0.4314	0.046	3.4101	0.049	-0.0266	0.0006
Base	-7269		CIM5 Min	-0.6803	-0.0332	3.0094	-0.055	-0.0413	-0.0006
Base	-7269		CIM6 Max	0.6329	0.1292	6.1564	0.1036	0.0706	0.0006
Base	-7269		CIM6 Min	-1.3349	-0.1217	-2.7017	-0.1071	-0.1013	-0.0006
Base	-7269		CIM7 Max	-0.065	0.0565	1.9955	0.0677	-0.0057	0.0006
Base	-7269		CIM7 Min	-0.4169	-0.0491	1.4612	-0.071	-0.025	-0.0006
Base	-7276		PP	0.1457	-0.0004	2.963	0.0013	0.0097	3.649E-05
Base	-7276		CA	0.0446	4.693E-05	0.2206	2.549E-05	0.0039	2.762E-06
Base	-7276		CV	0.0549	0.0001	0.1617	-0.0001	0.0056	1.976E-06
Base	-7276		SX Max	0.9196	0.4965	3.2265	0.392	0.0794	0.0016
Base	-7276		SY Max	0.3614	0.5972	1.836	0.4904	0.0203	0.0025
Base	-7276		CIM1	0.2452	-0.0003	3.3655	0.0012	0.0192	4.324E-05
Base	-7276		CIM2 Max	0.9995	0.4363	6.0449	0.3463	0.0636	0.0015
Base	-7276		CIM2 Min	-0.6169	-0.4381	0.3627	-0.3437	-0.0562	-0.0014
Base	-7276		CIM3 Max	0.5259	0.5251	4.6195	0.4329	0.0315	0.0023
Base	-7276		CIM3 Min	-0.1453	-0.5259	1.5661	-0.4302	-0.0042	-0.0022
Base	-7276		CIM4 Max	0.6364	0.3267	5.4709	0.26	0.0702	0.0011
Base	-7276		CIM4 Min	-0.3754	-0.3293	1.2093	-0.2575	-0.0346	-0.001
Base	-7276		CIM5 Max	0.4632	0.3936	4.5519	0.3249	0.0312	0.0017
Base	-7276		CIM5 Min	-0.0202	-0.3945	2.1263	-0.3224	0.0044	-0.0016
Base	-7276		CIM6 Max	0.9234	0.4364	4.7633	0.3456	0.0761	0.0015
Base	-7276		CIM6 Min	-0.695	-0.4389	-0.9166	-0.3442	-0.0617	-0.0014
Base	-7276		CIM7 Max	0.4496	0.5253	3.536	0.4323	0.0261	0.0023

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7276		CIM7 Min	-0.2214	-0.5256	0.3066	-0.4306	-0.0097	-0.0022
Base	-7267		PP	-0.1201	-0.0088	2.9919	0.0044	-0.0087	-0.0001
Base	-7267		CA	0.0172	-0.0007	0.2202	0.0003	-0.0004	-7.021E-06
Base	-7267		CV	0.0214	-0.0004	0.1769	0.0002	-0.0011	-5.862E-06
Base	-7267		SX Max	0.9793	0.2568	0.2846	0.1977	0.0795	0.0006
Base	-7267		SY Max	0.3671	0.1995	2.234	0.2206	0.0152	0.0004
Base	-7267		CIM1	-0.0615	-0.0099	3.391	0.0049	-0.0102	-0.0001
Base	-7267		CIM2 Max	0.759	0.2165	3.4715	0.1767	0.0606	0.0004
Base	-7267		CIM2 Min	-0.9646	-0.2355	2.9527	-0.1692	-0.0791	-0.0006
Base	-7267		CIM3 Max	0.2202	0.1661	5.1761	0.1989	0.0042	0.0003
Base	-7267		CIM3 Min	-0.4256	-0.1651	1.2461	-0.1694	-0.0225	-0.0005
Base	-7267		CIM4 Max	0.5595	0.1597	3.5406	0.1353	0.0425	0.0003
Base	-7267		CIM4 Min	-0.7332	-0.1793	3.1517	-0.1256	-0.0624	-0.0005
Base	-7267		CIM5 Max	0.1555	0.1219	4.8207	0.1505	0.0001	0.0002
Base	-7267		CIM5 Min	-0.3291	-0.1415	1.5716	-0.1407	-0.0199	-0.0004
Base	-7267		CIM6 Max	0.6001	0.2203	2.1667	0.1768	0.0645	0.0005
Base	-7267		CIM6 Min	-0.9235	-0.2317	1.6676	-0.1711	-0.0754	-0.0006
Base	-7267		CIM7 Max	0.2613	0.1699	3.6932	0.197	0.0079	0.0003
Base	-7267		CIM7 Min	-0.3647	-0.1613	-0.0357	-0.1913	-0.0156	-0.0004
Base	-7296		PP	-0.0001	0.1931	2.6462	-0.0115	-0.0005	-7.111E-06
Base	-7296		CA	0.0001	0.0211	0.2266	-0.0013	0.0001	0
Base	-7296		CV	0.0001	0.0276	0.2231	-0.0016	0.0001	0
Base	-7296		SX Max	0.7649	0.3205	1.0714	0.0176	0.5953	0.0019
Base	-7296		SY Max	0.3667	0.7984	3.7296	0.0707	0.3066	0.0011
Base	-7296		CIM1	0.0001	0.242	3.1001	-0.0146	-0.0003	-7.136E-06
Base	-7296		CIM2 Max	0.6731	0.4963	3.8199	0.0026	0.5261	0.0017
Base	-7296		CIM2 Min	-0.6731	-0.0676	1.9342	-0.0263	-0.5269	-0.0017
Base	-7296		CIM3 Max	0.342	0.9166	6.159	0.0495	0.2714	0.001
Base	-7296		CIM3 Min	-0.342	-0.4683	-0.405	-0.075	-0.2721	-0.001
Base	-7296		CIM4 Max	0.5049	0.4466	3.7514	-0.0025	0.3946	0.0012
Base	-7296		CIM4 Min	-0.5047	0.0235	2.3372	-0.0256	-0.3952	-0.0013
Base	-7296		CIM5 Max	0.2566	0.762	5.5056	0.0326	0.2035	0.0007
Base	-7296		CIM5 Min	-0.2564	-0.2919	0.5626	-0.0605	-0.2041	-0.0007
Base	-7296		CIM6 Max	0.6731	0.4106	2.669	0.0079	0.5263	0.0017
Base	-7296		CIM6 Min	-0.6731	-0.1535	0.7634	-0.0232	-0.5266	-0.0017
Base	-7296		CIM7 Max	0.342	0.6311	5.0062	0.0546	0.2715	0.001
Base	-7296		CIM7 Min	-0.342	-0.574	-1.5558	-0.0699	-0.272	-0.001
Base	-7305		PP	-0.0009	0.01	2.5896	-0.0007	-0.0015	-2.503E-05
Base	-7305		CA	-1.584E-05	0.0041	0.2165	-0.0004	1.259E-05	-1.229E-06
Base	-7305		CV	2.303E-05	0.0131	0.2029	-0.001	0.0001	-9.696E-07
Base	-7305		SX Max	0.4613	0.3596	1.1771	0.0163	0.3939	0.0005
Base	-7305		SY Max	0.2122	0.6898	1.4352	0.0686	0.19	0.0004
Base	-7305		CIM1	-0.0009	0.0272	3.011	-0.0021	-0.0014	-2.722E-05
Base	-7305		CIM2 Max	0.405	0.3305	3.644	0.015	0.3451	0.0004
Base	-7305		CIM2 Min	-0.4066	-0.3024	1.7723	-0.0172	-0.3461	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7305		CIM3 Max	0.1656	0.797	4.0711	0.0593	0.1657	0.0003
Base	-7305		CIM3 Min	-0.1676	-0.7689	1.5452	-0.0615	-0.1687	-0.0004
Base	-7305		CIM4 Max	0.3036	0.2612	3.7372	0.0102	0.2565	0.0003
Base	-7305		CIM4 Min	-0.3053	-0.2134	2.1535	-0.014	-0.2614	-0.0004
Base	-7305		CIM5 Max	0.1391	0.6111	3.9075	0.0434	0.124	0.0002
Base	-7305		CIM5 Min	-0.1409	-0.5633	2.0131	-0.0472	-0.1269	-0.0003
Base	-7305		CIM6 Max	0.4054	0.3246	2.7207	0.0154	0.3457	0.0005
Base	-7305		CIM6 Min	-0.4065	-0.306	0.6491	-0.0166	-0.3475	-0.0005
Base	-7305		CIM7 Max	0.1662	0.7914	2.9476	0.0597	0.1663	0.0003
Base	-7305		CIM7 Min	-0.1672	-0.7746	0.4219	-0.0611	-0.1681	-0.0004
Base	-7310		PP	-0.0066	-0.1762	2.6292	0.0106	-0.004	0.0001
Base	-7310		CA	-0.0004	-0.0165	0.2139	0.0011	-0.0001	4.919E-06
Base	-7310		CV	-0.0002	-0.0096	0.1676	0.0004	0.0001	3.513E-06
Base	-7310		SX Max	0.2226	0.3576	1.6193	0.0155	0.1953	0.0005
Base	-7310		SY Max	0.151	0.6545	0.6123	0.0685	0.0917	0.0004
Base	-7310		CIM1	-0.0093	-0.2063	3.0306	0.0121	-0.0041	0.0001
Base	-7310		CIM2 Max	0.1667	0.1162	4.2661	0.0253	0.1677	0.0006
Base	-7310		CIM2 Min	-0.205	-0.5116	1.4161	-0.002	-0.1759	-0.0004
Base	-7310		CIM3 Max	0.1236	0.5552	3.352	0.0726	0.0766	0.0005
Base	-7310		CIM3 Min	-0.1421	-0.9486	2.3043	-0.0495	-0.0846	-0.0003
Base	-7310		CIM4 Max	0.1376	0.0323	4.0526	0.0222	0.1248	0.0004
Base	-7310		CIM4 Min	-0.1562	-0.44	1.9151	0.0017	-0.1329	-0.0003
Base	-7310		CIM5 Max	0.0904	0.3601	3.366	0.0578	0.0564	0.0004
Base	-7310		CIM5 Min	-0.1069	-0.7676	2.5797	-0.0339	-0.0646	-0.0002
Base	-7310		CIM6 Max	0.1904	0.1969	3.1309	0.0207	0.1694	0.0005
Base	-7310		CIM6 Min	-0.2014	-0.4329	0.2609	-0.0067	-0.1743	-0.0004
Base	-7310		CIM7 Max	0.1274	0.6339	2.2447	0.0661	0.0762	0.0004
Base	-7310		CIM7 Min	-0.1364	-0.8699	1.1671	-0.0542	-0.0831	-0.0003
Base	-7315		PP	0.0142	0.011	1.5929	-0.0047	-0.0005	2.453E-05
Base	-7315		CA	-0.0142	0.0019	0.2195	-0.0009	-0.0016	3.566E-06
Base	-7315		CV	-0.0309	0.0021	0.2126	-0.0009	-0.0037	3.616E-06
Base	-7315		SX Max	0.4366	0.0497	1.3552	0.0406	0.0426	0.0002
Base	-7315		SY Max	0.266	0.056	3.5224	0.0396	0.0124	0.0001
Base	-7315		CIM1	-0.0309	0.015	2.0252	-0.0065	-0.006	3.174E-05
Base	-7315		CIM2 Max	0.3662	0.0567	3.005	0.0302	0.0352	0.0002
Base	-7315		CIM2 Min	-0.3661	-0.0306	0.6197	-0.0413	-0.0396	-0.0002
Base	-7315		CIM3 Max	0.2535	0.064	4.912	0.0292	0.0056	0.0001
Base	-7315		CIM3 Min	-0.2534	-0.0361	-1.2674	-0.0404	-0.0132	-0.0001
Base	-7315		CIM4 Max	0.2665	0.0473	2.5664	0.0205	0.023	0.0002
Base	-7315		CIM4 Min	-0.3127	-0.0163	1.0775	-0.0331	-0.0332	-0.0001
Base	-7315		CIM5 Max	0.1669	0.0526	4.2967	0.0196	0.0031	0.0001
Base	-7315		CIM5 Min	-0.2132	-0.0236	-0.3526	-0.0324	-0.0132	-4.606E-05
Base	-7315		CIM6 Max	0.3661	0.0516	2.26	0.0324	0.0361	0.0002
Base	-7315		CIM6 Min	-0.3661	-0.036	-0.1052	-0.0391	-0.0366	-0.0002
Base	-7315		CIM7 Max	0.2534	0.0566	4.1671	0.0315	0.0095	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	7315		CIM7 Min	-0.2534	-0.0433	-2.0123	-0.0362	-0.0123	-0.0001
Base	7326		PP	-0.0196	-0.012	1.6962	0.0052	0.0002	2.541E-05
Base	7326		CA	0.0195	-0.0019	0.1731	0.0009	0.0022	2.114E-06
Base	7326		CV	0.0431	-0.0019	0.1665	0.0009	0.0048	2.707E-06
Base	7326		SX Max	0.3264	0.0948	0.7397	0.0548	0.0366	0.0002
Base	7326		SY Max	0.3395	0.0626	3.6154	0.0427	0.0156	0.0001
Base	7326		CIM1	0.0427	-0.0156	2.0376	0.007	0.0073	3.023E-05
Base	7326		CIM2 Max	0.2656	0.0695	2.5202	0.0543	0.0347	0.0002
Base	7326		CIM2 Min	-0.2694	-0.0973	1.2163	-0.0421	-0.0297	-0.0001
Base	7326		CIM3 Max	0.2963	0.0414	5.2266	0.0437	0.0164	0.0001
Base	7326		CIM3 Min	-0.2991	-0.0692	-1.4663	-0.0315	-0.0114	-0.0001
Base	7326		CIM4 Max	0.2467	0.0473	2.4839	0.0429	0.0302	0.0001
Base	7326		CIM4 Min	-0.1845	-0.0776	1.5074	-0.0294	-0.018	-0.0001
Base	7326		CIM5 Max	0.256	0.0262	4.5136	0.0349	0.0165	0.0001
Base	7326		CIM5 Min	-0.1921	-0.0566	-0.5225	-0.0214	-0.0043	-0.0001
Base	7326		CIM6 Max	0.2666	0.0751	1.7725	0.0519	0.0337	0.0002
Base	7326		CIM6 Min	-0.2692	-0.0917	0.4706	-0.0445	-0.0307	-0.0001
Base	7326		CIM7 Max	0.2965	0.047	4.4791	0.0412	0.0154	0.0001
Base	7326		CIM7 Min	-0.299	-0.0636	-2.236	-0.0339	-0.0124	-0.0001
Base	7337		PP	0.3962	2.266E-05	3.0735	-3.651E-05	0.0225	0
Base	7337		CA	0.101	2.361E-06	0.6571	-2.263E-05	0.0067	0
Base	7337		CV	0.1156	1.342E-05	0.6647	-4.149E-05	0.0061	0
Base	7337		SX Max	1.3236	0.0362	5.7367	0.0255	0.1021	0.0001
Base	7337		SY Max	0.0467	0.9971	0.1447	0.6346	0.0032	0.0031
Base	7337		CIM1	0.613	3.646E-05	4.6453	-0.0001	0.0375	-6.763E-07
Base	7337		CIM2 Max	1.662	0.0319	6.8069	0.0223	0.1193	0.0001
Base	7337		CIM2 Min	-0.6676	-0.0316	-1.2677	-0.0225	-0.0603	-0.0001
Base	7337		CIM3 Max	0.5363	0.6774	3.6879	0.7344	0.0323	0.0027
Base	7337		CIM3 Min	0.4561	-0.6774	3.6333	-0.7345	0.0267	-0.0027
Base	7337		CIM4 Max	1.4576	0.0239	6.2104	0.0167	0.1029	4.367E-05
Base	7337		CIM4 Min	-0.2695	-0.0239	0.6379	-0.0169	-0.0316	-4.506E-05
Base	7337		CIM5 Max	0.6149	0.6561	4.5196	0.5506	0.0376	0.002
Base	7337		CIM5 Min	0.5532	-0.656	4.3267	-0.5509	0.0334	-0.002
Base	7337		CIM6 Max	1.4631	0.0319	7.3047	0.0224	0.1075	0.0001
Base	7337		CIM6 Min	-0.6665	-0.0316	-2.792	-0.0224	-0.0721	-0.0001
Base	7337		CIM7 Max	0.3394	0.6774	2.3637	0.7344	0.0205	0.0027
Base	7337		CIM7 Min	0.2573	-0.6774	2.1291	-0.7345	0.0149	-0.0027
Base	7346		PP	0.2554	1.696E-05	3.0304	-4.013E-05	0.0127	0
Base	7346		CA	0.0626	-1.561E-06	0.6723	-2.516E-05	0.0025	0
Base	7346		CV	0.056	7.128E-06	0.6665	-4.537E-05	0.0017	0
Base	7346		SX Max	1.3992	0.0352	3.2556	0.0249	0.0948	1.941E-05
Base	7346		SY Max	0.0561	0.6632	0.0674	0.7742	0.0034	0.0004
Base	7346		CIM1	0.3762	2.252E-05	4.5892	-0.0001	0.0169	0
Base	7346		CIM2 Max	1.5495	0.031	6.5676	0.0219	0.0966	1.702E-05
Base	7346		CIM2 Min	-0.9131	-0.031	0.6376	-0.022	-0.0662	-1.715E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7346		CIM3 Max	0.3676	0.7596	3.7796	0.6813	0.0162	0.0004
Base	-7346		CIM3 Min	0.2689	-0.7596	3.6256	-0.6814	0.0122	-0.0004
Base	-7346		CIM4 Max	1.2652	0.0233	6.5014	0.0164	0.079	1.271E-05
Base	-7346		CIM4 Min	-0.5616	-0.0232	2.2037	-0.0166	-0.0461	-1.292E-05
Base	-7346		CIM5 Max	0.3967	0.5697	4.4102	0.5109	0.0168	0.0003
Base	-7346		CIM5 Min	0.3247	-0.5697	4.2949	-0.5111	0.0142	-0.0003
Base	-7346		CIM6 Max	1.4223	0.031	5.0667	0.0219	0.0925	1.704E-05
Base	-7346		CIM6 Min	-1.0404	-0.031	-0.6435	-0.022	-0.0743	-1.712E-05
Base	-7346		CIM7 Max	0.2403	0.7596	2.2965	0.6813	0.0121	0.0004
Base	-7346		CIM7 Min	0.1416	-0.7596	2.1447	-0.6814	0.0081	-0.0004
Base	-7351		PP	0.1207	1.476E-05	3.0803	-3.966E-05	0.0063	0
Base	-7351		CA	0.0363	-4.947E-06	0.6844	-2.435E-05	0.0023	0
Base	-7351		CV	0.0256	2.746E-06	0.6732	-4.475E-05	0.002	0
Base	-7351		SX Max	1.4063	0.0367	1.5171	0.0253	0.0929	7.762E-06
Base	-7351		SY Max	0.0566	0.6457	0.0551	0.746	0.0034	0.0001
Base	-7351		CIM1	0.1626	1.256E-05	4.6379	-0.0001	0.0105	0
Base	-7351		CIM2 Max	1.3963	0.0323	5.0996	0.0222	0.0903	6.643E-06
Base	-7351		CIM2 Min	-1.0623	-0.0322	2.4297	-0.0223	-0.0732	-6.854E-06
Base	-7351		CIM3 Max	0.2067	0.7442	3.6132	0.6564	0.0115	0.0001
Base	-7351		CIM3 Min	0.1053	-0.7442	3.7162	-0.6566	0.0055	-0.0001
Base	-7351		CIM4 Max	1.1056	0.0242	5.4209	0.0166	0.0714	5.126E-06
Base	-7351		CIM4 Min	-0.7532	-0.0242	3.4163	-0.0166	-0.0513	-5.147E-06
Base	-7351		CIM5 Max	0.2151	0.5562	4.456	0.4923	0.0123	0.0001
Base	-7351		CIM5 Min	0.1375	-0.5561	4.3632	-0.4925	0.0076	-0.0001
Base	-7351		CIM6 Max	1.3335	0.0323	3.5939	0.0222	0.0869	6.645E-06
Base	-7351		CIM6 Min	-1.1451	-0.0323	0.9236	-0.0223	-0.0766	-6.852E-06
Base	-7351		CIM7 Max	0.1459	0.7442	2.3073	0.6565	0.0061	0.0001
Base	-7351		CIM7 Min	0.0425	-0.7442	2.2103	-0.6566	0.0021	-0.0001
Base	-7356		PP	0.0043	1.434E-05	3.099	-3.936E-05	0.0002	0
Base	-7356		CA	0.0061	-5.696E-06	0.6937	-2.352E-05	0.0002	0
Base	-7356		CV	-0.0063	1.594E-06	0.6762	-4.413E-05	-0.0006	0
Base	-7356		SX Max	1.4222	0.0367	0.0664	0.0252	0.0924	1.377E-06
Base	-7356		SY Max	0.0593	0.6444	0.0351	0.7402	0.0034	1.655E-05
Base	-7356		CIM1	0.0042	1.004E-05	4.6669	-0.0001	-0.0005	0
Base	-7356		CIM2 Max	1.2641	0.0323	3.6526	0.0221	0.0816	1.213E-06
Base	-7356		CIM2 Min	-1.2391	-0.0323	3.7325	-0.0223	-0.0809	-1.211E-06
Base	-7356		CIM3 Max	0.0646	0.7431	3.6236	0.6514	0.0034	1.456E-05
Base	-7356		CIM3 Min	-0.0397	-0.7431	3.7617	-0.6515	-0.0027	-1.456E-05
Base	-7356		CIM4 Max	0.9449	0.0242	4.495	0.0166	0.0607	9.104E-07
Base	-7356		CIM4 Min	-0.9324	-0.0242	4.4047	-0.0166	-0.0613	-9.074E-07
Base	-7356		CIM5 Max	0.0454	0.5573	4.473	0.4885	0.002	1.092E-05
Base	-7356		CIM5 Min	-0.0326	-0.5573	4.4266	-0.4887	-0.0026	-1.092E-05
Base	-7356		CIM6 Max	1.2591	0.0323	2.3356	0.0222	0.0815	1.213E-06
Base	-7356		CIM6 Min	-1.2441	-0.0323	2.2154	-0.0222	-0.0811	-1.211E-06
Base	-7356		CIM7 Max	0.0596	0.7431	2.3065	0.6514	0.0032	1.456E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7356		CIM7 Min	-0.0447	-0.7431	2.2447	-0.6515	-0.0026	-1.456E-05
Base	-7361		PP	-0.1122	1.471E-05	3.0864	-3.937E-05	-0.0056	0
Base	-7361		CA	-0.016	-4.957E-06	0.699	-2.311E-05	-0.0009	0
Base	-7361		CV	-0.0366	2.706E-06	0.6765	-4.407E-05	-0.0019	0
Base	-7361		SX Max	1.413	0.0348	1.6503	0.0243	0.0932	6.576E-06
Base	-7361		SY Max	0.0563	0.649	0.036	0.7492	0.0033	0.0001
Base	-7361		CIM1	-0.1669	1.243E-05	4.6639	-0.0001	-0.0086	0
Base	-7361		CIM2 Max	1.1134	0.0306	5.2397	0.0213	0.0753	7.557E-06
Base	-7361		CIM2 Min	-1.3736	-0.0306	2.3351	-0.0215	-0.0557	-7.54E-06
Base	-7361		CIM3 Max	-0.0806	0.7471	3.8191	0.6592	-0.0036	0.0001
Base	-7361		CIM3 Min	-0.1797	-0.7471	3.7557	-0.6593	-0.0096	-0.0001
Base	-7361		CIM4 Max	0.7749	0.023	5.534	0.016	0.0534	5.675E-06
Base	-7361		CIM4 Min	-1.0903	-0.023	3.3555	-0.0162	-0.0696	-5.647E-06
Base	-7361		CIM5 Max	-0.1205	0.5604	4.4685	0.4944	-0.0059	0.0001
Base	-7361		CIM5 Min	-0.1949	-0.5603	4.421	-0.4945	-0.0103	-0.0001
Base	-7361		CIM6 Max	1.1654	0.0306	3.7247	0.0214	0.078	7.553E-06
Base	-7361		CIM6 Min	-1.3215	-0.0306	0.6201	-0.0214	-0.056	-7.543E-06
Base	-7361		CIM7 Max	-0.0255	0.7471	2.3041	0.6592	-0.0012	0.0001
Base	-7361		CIM7 Min	-0.1276	-0.7471	2.2407	-0.6593	-0.0069	-0.0001
Base	-7366		PP	-0.2492	1.65E-05	3.0456	-3.952E-05	-0.0125	0
Base	-7366		CA	-0.0523	-2.109E-06	0.6991	-2.244E-05	-0.0026	0
Base	-7366		CV	-0.0755	6.626E-06	0.6739	-4.392E-05	-0.0037	0
Base	-7366		SX Max	1.4096	0.0321	3.3652	0.0233	0.0954	1.756E-05
Base	-7366		SY Max	0.0506	0.6702	0.0565	0.7607	0.0031	0.0004
Base	-7366		CIM1	-0.377	2.152E-05	4.6167	-0.0001	-0.0186	0
Base	-7366		CIM2 Max	0.9391	0.0282	6.7236	0.0204	0.0669	1.552E-05
Base	-7366		CIM2 Min	-1.5421	-0.0282	0.7657	-0.0205	-0.099	-1.539E-05
Base	-7366		CIM3 Max	-0.2566	0.7656	3.7963	0.6669	-0.0123	0.0004
Base	-7366		CIM3 Min	-0.3462	-0.7656	3.6933	-0.6671	-0.0176	-0.0004
Base	-7366		CIM4 Max	0.5723	0.0212	6.6345	0.0153	0.0451	1.17E-05
Base	-7366		CIM4 Min	-1.2656	-0.0211	2.166	-0.0155	-0.0606	-1.148E-05
Base	-7366		CIM5 Max	-0.3246	0.5744	4.4369	0.5152	-0.0156	0.0003
Base	-7366		CIM5 Min	-0.3917	-0.5743	4.3616	-0.5153	-0.0199	-0.0003
Base	-7366		CIM6 Max	1.0597	0.0282	5.2259	0.0204	0.0749	1.55E-05
Base	-7366		CIM6 Min	-1.4215	-0.0282	-0.7322	-0.0205	-0.093	-1.542E-05
Base	-7366		CIM7 Max	-0.1362	0.7656	2.2964	0.667	-0.0063	0.0004
Base	-7366		CIM7 Min	-0.2256	-0.7656	2.1953	-0.667	-0.0116	-0.0004
Base	-7371		PP	-0.3924	2.203E-05	3.0939	-3.752E-05	-0.0225	0
Base	-7371		CA	-0.0914	0	0.723	-1.519E-05	-0.0055	0
Base	-7371		CV	-0.1214	1.2E-05	0.9054	-3.914E-05	-0.0074	0
Base	-7371		SX Max	1.3399	0.0324	5.6651	0.0234	0.103	0.0001
Base	-7371		SY Max	0.0391	1.0093	0.1042	0.6446	0.0027	0.0031
Base	-7371		CIM1	-0.6052	3.37E-05	4.7223	-0.0001	-0.0355	6.167E-07
Base	-7371		CIM2 Max	0.6954	0.0266	6.9606	0.0205	0.0626	0.0001
Base	-7371		CIM2 Min	-1.6629	-0.0265	-1.3471	-0.0206	-0.1166	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7371		CIM3 Max	-0.4494	0.6662	3.9065	0.7432	-0.0257	0.0026
Base	-7371		CIM3 Min	-0.5161	-0.6661	3.7252	-0.7433	-0.0305	-0.0027
Base	-7371		CIM4 Max	0.3095	0.0214	5.3669	0.0153	0.0344	4.413E-05
Base	-7371		CIM4 Min	-1.4592	-0.0214	0.623	-0.0155	-0.1017	-4.302E-05
Base	-7371		CIM5 Max	-0.5491	0.6662	4.5647	0.5574	-0.0316	0.0021
Base	-7371		CIM5 Min	-0.6006	-0.6661	4.4272	-0.5575	-0.0355	-0.0021
Base	-7371		CIM6 Max	0.5689	0.0256	7.4541	0.0205	0.0736	0.0001
Base	-7371		CIM6 Min	-1.4694	-0.0255	-2.6736	-0.0206	-0.1075	-0.0001
Base	-7371		CIM7 Max	-0.2559	0.6662	2.3516	0.7432	-0.0144	0.0026
Base	-7371		CIM7 Min	-0.3246	-0.6662	2.1964	-0.7433	-0.0193	-0.0027
Base	-7360		PP	0.1422	0.0115	3.006	-0.0063	0.0117	-0.0001
Base	-7360		CA	0.2719	0.0029	0.666	-0.0013	0.0268	-2.609E-05
Base	-7360		CV	0.4666	0.0036	0.6743	-0.0016	0.0466	-3.97E-05
Base	-7360		SX Max	0.9494	0.234	0.9963	0.1703	0.076	0.0005
Base	-7360		SY Max	0.6476	0.1669	4.2303	0.235	0.0256	0.0004
Base	-7360		CIM1	0.9007	0.0161	4.5463	-0.0092	0.0674	-0.0002
Base	-7360		CIM2 Max	1.2496	0.2203	4.5507	0.1423	0.1054	0.0003
Base	-7360		CIM2 Min	-0.4214	-0.1916	2.7972	-0.1575	-0.0253	-0.0006
Base	-7360		CIM3 Max	0.9639	0.1606	7.3966	0.1992	0.0611	0.0002
Base	-7360		CIM3 Min	-0.1556	-0.1519	-0.0467	-0.2144	0.016	-0.0004
Base	-7360		CIM4 Max	1.4056	0.1717	4.9673	0.1036	0.1253	0.0002
Base	-7360		CIM4 Min	0.1524	-0.1373	3.6721	-0.1212	0.025	-0.0005
Base	-7360		CIM5 Max	1.2064	0.1419	7.1217	0.1463	0.0921	0.0001
Base	-7360		CIM5 Min	0.3516	-0.1075	1.5377	-0.1639	0.0562	-0.0004
Base	-7360		CIM6 Max	1.0639	0.2146	3.0612	0.1453	0.09	0.0004
Base	-7360		CIM6 Min	-0.567	-0.1973	1.3276	-0.1545	-0.0437	-0.0005
Base	-7360		CIM7 Max	0.5183	0.1749	5.9271	0.2023	0.0457	0.0002
Base	-7360		CIM7 Min	-0.3214	-0.1576	-1.5183	-0.2114	0.0006	-0.0004
Base	-7365		PP	-0.1161	0.0009	2.9543	-0.002	-0.0066	4.725E-05
Base	-7365		CA	0.0603	0.0006	0.6253	-0.0008	-0.0071	5.571E-06
Base	-7365		CV	0.1627	0.0013	0.7963	-0.0011	-0.0125	6.109E-06
Base	-7365		SX Max	0.9006	0.4075	3.669	0.3239	0.0773	0.0014
Base	-7365		SY Max	0.6614	0.6363	3.5712	0.5252	0.0349	0.0026
Base	-7365		CIM1	0.1266	0.003	4.3759	-0.0039	-0.0264	0.0001
Base	-7365		CIM2 Max	0.7566	0.3604	6.6256	0.2622	0.0521	0.0013
Base	-7365		CIM2 Min	-0.6264	-0.3569	0.3332	-0.2676	-0.054	-0.0012
Base	-7365		CIM3 Max	0.5462	0.5617	6.7222	0.4593	0.0146	0.0025
Base	-7365		CIM3 Min	-0.6178	-0.5582	0.4369	-0.4649	-0.0467	-0.0024
Base	-7365		CIM4 Max	0.6606	0.2717	6.6115	0.2102	0.0257	0.001
Base	-7365		CIM4 Min	-0.5062	-0.2663	1.7421	-0.2174	-0.0763	-0.0009
Base	-7365		CIM5 Max	0.5227	0.4227	6.5336	0.343	-0.0023	0.0019
Base	-7365		CIM5 Min	-0.3503	-0.4173	1.6196	-0.3502	-0.0464	-0.0018
Base	-7365		CIM6 Max	0.7711	0.3597	5.394	0.2633	0.0565	0.0013
Base	-7365		CIM6 Min	-0.614	-0.3576	-1.0966	-0.2667	-0.0776	-0.0012
Base	-7365		CIM7 Max	0.5605	0.561	5.2904	0.4605	0.0212	0.0025

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7365		CIM7 Min	-0.6035	-0.5589	-0.9949	-0.4636	-0.0403	-0.0025
Base	-7394		PP	0.2041	0.0114	2.9837	-0.0061	0.0135	-0.0001
Base	-7394		CA	0.0702	0.0019	0.5902	-0.0006	0.0109	-2.752E-05
Base	-7394		CV	0.0616	0.0021	0.7165	-0.0009	0.0175	-3.757E-05
Base	-7394		SX Max	1.0561	0.1753	0.665	0.0704	0.0609	0.0006
Base	-7394		SY Max	0.6504	0.1955	4.2704	0.203	0.0263	0.0006
Base	-7394		CIM1	0.3559	0.0154	4.2924	-0.0078	0.0419	-0.0002
Base	-7394		CIM2 Max	1.2036	0.1675	4.1591	0.055	0.0956	0.0004
Base	-7394		CIM2 Min	-0.6551	-0.141	2.9686	-0.0669	-0.0466	-0.0007
Base	-7394		CIM3 Max	0.673	0.1653	7.3316	0.1717	0.0476	0.0004
Base	-7394		CIM3 Min	-0.3245	-0.1586	-0.1642	-0.1656	0.0013	-0.0007
Base	-7394		CIM4 Max	1.0325	0.1305	4.5517	0.0389	0.091	0.0002
Base	-7394		CIM4 Min	-0.3615	-0.1009	3.6736	-0.0541	-0.0159	-0.0006
Base	-7394		CIM5 Max	0.7645	0.1439	6.9312	0.1264	0.0549	0.0003
Base	-7394		CIM5 Min	-0.1136	-0.1142	1.2942	-0.1416	0.0202	-0.0006
Base	-7394		CIM6 Max	1.0939	0.1622	2.7295	0.0576	0.0659	0.0005
Base	-7394		CIM6 Min	-0.7648	-0.1463	1.5591	-0.0661	-0.0566	-0.0006
Base	-7394		CIM7 Max	0.7633	0.16	5.9023	0.1744	0.0378	0.0005
Base	-7394		CIM7 Min	-0.4342	-0.1641	-1.6137	-0.1825	-0.0065	-0.0006
Base	-7399		PP	-0.0049	0.0006	2.9066	-0.0021	-0.0009	4.131E-05
Base	-7399		CA	-0.0541	4.921E-05	0.6029	-0.0002	-0.0095	7.51E-06
Base	-7399		CV	-0.12	-0.0001	0.7436	-0.0002	-0.0166	9.641E-06
Base	-7399		SX Max	1.0972	0.1345	1.6756	0.0751	0.0799	0.0006
Base	-7399		SY Max	0.6935	0.4699	3.2677	0.4197	0.0326	0.0004
Base	-7399		CIM1	-0.179	0.0006	4.2533	-0.0025	-0.0292	0.0001
Base	-7399		CIM2 Max	0.9065	0.1192	5.1604	0.0636	0.0599	0.0006
Base	-7399		CIM2 Min	-1.0245	-0.1176	1.859	-0.0664	-0.0607	-0.0005
Base	-7399		CIM3 Max	0.5513	0.4144	6.3853	0.367	0.0182	0.0004
Base	-7399		CIM3 Min	-0.6693	-0.4127	0.6341	-0.3716	-0.0391	-0.0003
Base	-7399		CIM4 Max	0.5751	0.0896	5.3054	0.0472	0.0262	0.0004
Base	-7399		CIM4 Min	-0.5731	-0.066	2.6294	-0.052	-0.0773	-0.0003
Base	-7399		CIM5 Max	0.3057	0.311	6.2241	0.2746	-0.003	0.0003
Base	-7399		CIM5 Min	-0.6067	-0.3094	1.9107	-0.2794	-0.046	-0.0002
Base	-7399		CIM6 Max	0.9301	0.1169	3.7565	0.0647	0.064	0.0005
Base	-7399		CIM6 Min	-1.0009	-0.1179	0.4551	-0.0675	-0.0766	-0.0005
Base	-7399		CIM7 Max	0.5749	0.414	4.9614	0.3679	0.0224	0.0004
Base	-7399		CIM7 Min	-0.6457	-0.4131	-0.7698	-0.3707	-0.0349	-0.0003
Base	-7404		PP	-0.2149	-4.39E-05	2.9591	-0.0006	-0.0117	9.211E-06
Base	-7404		CA	-0.0544	-0.0001	0.6231	-1.203E-05	0.0016	1.205E-06
Base	-7404		CV	-0.0637	-0.0002	0.7677	0.0001	0.0045	1.065E-06
Base	-7404		SX Max	1.0193	0.0659	4.4727	0.0656	0.0649	0.0003
Base	-7404		SY Max	0.706	0.8334	3.0607	0.6664	0.0394	0.0026
Base	-7404		CIM1	-0.353	-0.0003	4.35	-0.0005	-0.0055	1.146E-05
Base	-7404		CIM2 Max	0.6277	0.0754	7.5152	0.0571	0.0647	0.0003
Base	-7404		CIM2 Min	-1.1662	-0.0757	-0.3537	-0.0563	-0.0647	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7404		CIM3 Max	0.352	0.7333	6.2756	0.5656	0.0247	0.0023
Base	-7404		CIM3 Min	-0.6906	-0.7336	0.6869	-0.567	-0.0446	-0.0023
Base	-7404		CIM4 Max	0.3407	0.0564	7.11	0.0426	0.0494	0.0002
Base	-7404		CIM4 Min	-1.0046	-0.057	1.2061	-0.0436	-0.0626	-0.0002
Base	-7404		CIM5 Max	0.1339	0.5496	6.176	0.4393	0.0194	0.0017
Base	-7404		CIM5 Min	-0.796	-0.5504	2.136	-0.4403	-0.0326	-0.0017
Base	-7404		CIM6 Max	0.7354	0.0755	6.0853	0.0573	0.0667	0.0003
Base	-7404		CIM6 Min	-1.0565	-0.0757	-1.7666	-0.056	-0.0507	-0.0003
Base	-7404		CIM7 Max	0.4597	0.7333	4.5427	0.5661	0.0267	0.0023
Base	-7404		CIM7 Min	-0.7629	-0.7335	-0.544	-0.5666	-0.0406	-0.0023
Base	-7421		PP	0.3555	-0.0119	2.9616	0.0063	0.021	0.0001
Base	-7421		CA	0.1274	-0.0021	0.4679	0.001	0.0073	2.051E-05
Base	-7421		CV	0.16	-0.0024	0.5477	0.0011	0.0091	2.403E-05
Base	-7421		SX Max	1.583	0.1716	2.4766	0.0705	0.1096	0.0006
Base	-7421		SY Max	0.5604	0.191	3.6739	0.1672	0.019	0.0007
Base	-7421		CIM1	0.6429	-0.0164	3.9974	0.0064	0.0374	0.0002
Base	-7421		CIM2 Max	1.876	0.1371	5.6311	0.0693	0.1247	0.0007
Base	-7421		CIM2 Min	-0.9101	-0.1653	1.2663	-0.0547	-0.0662	-0.0004
Base	-7421		CIM3 Max	0.9937	0.154	6.6567	0.1544	0.045	0.0007
Base	-7421		CIM3 Min	-0.0276	-0.1621	0.0407	-0.1396	0.0116	-0.0004
Base	-7421		CIM4 Max	1.6477	0.0976	5.4965	0.0546	0.1074	0.0005
Base	-7421		CIM4 Min	-0.4419	-0.1292	2.2244	-0.0364	-0.0372	-0.0002
Base	-7421		CIM5 Max	0.986	0.1102	6.4172	0.1165	0.0476	0.0006
Base	-7421		CIM5 Min	0.2199	-0.1419	1.3037	-0.1022	0.0226	-0.0003
Base	-7421		CIM6 Max	1.6626	0.1426	4.2512	0.0664	0.1134	0.0006
Base	-7421		CIM6 Min	-1.1033	-0.1586	-0.1116	-0.0576	-0.0795	-0.0004
Base	-7421		CIM7 Max	0.6005	0.1597	5.4766	0.1515	0.0337	0.0007
Base	-7421		CIM7 Min	-0.2209	-0.1765	-1.3392	-0.1426	0.0003	-0.0005
Base	-7426		PP	0.2202	-0.0009	2.9327	0.0022	0.011	-3.636E-05
Base	-7426		CA	0.1103	-0.0003	0.4943	0.0004	0.0053	-4.945E-06
Base	-7426		CV	0.1386	-0.0003	0.5909	0.0004	0.0066	-5.264E-06
Base	-7426		SX Max	1.6056	0.1336	0.7618	0.0755	0.1026	0.0006
Base	-7426		SY Max	0.5157	0.3925	2.7026	0.3077	0.0209	0.0006
Base	-7426		CIM1	0.4691	-0.0015	4.0179	0.003	0.0229	-4.859E-05
Base	-7426		CIM2 Max	1.7436	0.1164	4.0973	0.069	0.1066	0.0005
Base	-7426		CIM2 Min	-1.0626	-0.1187	2.7566	-0.0636	-0.0741	-0.0006
Base	-7426		CIM3 Max	0.7643	0.3442	5.6052	0.2733	0.0347	0.0005
Base	-7426		CIM3 Min	-0.1233	-0.3466	1.0467	-0.2662	-0.002	-0.0006
Base	-7426		CIM4 Max	1.4943	0.0667	4.3729	0.0527	0.0991	0.0004
Base	-7426		CIM4 Min	-0.6253	-0.0696	3.3674	-0.0469	-0.0466	-0.0005
Base	-7426		CIM5 Max	0.7746	0.2576	5.6536	0.206	0.035	0.0004
Base	-7426		CIM5 Min	0.0941	-0.2605	2.0565	-0.2002	0.0075	-0.0005
Base	-7426		CIM6 Max	1.6114	0.1166	2.7265	0.0679	0.1003	0.0005
Base	-7426		CIM6 Min	-1.2146	-0.1183	1.3656	-0.0649	-0.0507	-0.0006
Base	-7426		CIM7 Max	0.6521	0.3447	4.4344	0.2723	0.0262	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7426		CIM7 Min	-0.2555	-0.3462	-0.3221	-0.2692	-0.0056	-0.0006
Base	-7431		PP	0.0764	0.0001	2.9735	0.0007	0.0043	-7.329E-06
Base	-7431		CA	0.0636	-2.66E-05	0.5474	0.0001	0.0045	-1.126E-06
Base	-7431		CV	0.1071	-4.375E-05	0.6634	0.0001	0.0056	-1.227E-06
Base	-7431		SX Max	1.5736	0.0653	0.6853	0.046	0.101	0.0002
Base	-7431		SY Max	0.4959	0.5473	2.1035	0.4414	0.0223	0.0002
Base	-7431		CIM1	0.2692	2.79E-05	4.1642	0.0009	0.0146	-9.662E-06
Base	-7431		CIM2 Max	1.547	0.0601	4.1239	0.043	0.0976	0.0002
Base	-7431		CIM2 Min	-1.2229	-0.06	2.9177	-0.0414	-0.0601	-0.0002
Base	-7431		CIM3 Max	0.5985	0.4617	5.3719	0.3692	0.0254	0.0002
Base	-7431		CIM3 Min	-0.2744	-0.4616	1.6696	-0.3676	-0.0109	-0.0002
Base	-7431		CIM4 Max	1.2811	0.0451	4.4707	0.0326	0.0797	0.0001
Base	-7431		CIM4 Min	-0.7963	-0.045	3.5661	-0.0305	-0.0535	-0.0002
Base	-7431		CIM5 Max	0.5697	0.3613	5.4067	0.2922	0.0276	0.0001
Base	-7431		CIM5 Min	-0.065	-0.3612	2.6301	-0.2904	-0.0016	-0.0002
Base	-7431		CIM6 Max	1.4622	0.0601	2.7156	0.0427	0.0941	0.0002
Base	-7431		CIM6 Min	-1.2677	-0.06	1.5094	-0.0416	-0.0636	-0.0002
Base	-7431		CIM7 Max	0.5337	0.4617	3.9635	0.3689	0.0249	0.0002
Base	-7431		CIM7 Min	-0.3392	-0.4616	0.2615	-0.3679	-0.0144	-0.0002
Base	-7436		PP	-0.0542	0.0002	2.9532	0.0001	-0.0031	-2.161E-06
Base	-7436		CA	0.0479	2.796E-05	0.5926	2.427E-05	0.0018	0
Base	-7436		CV	0.0626	2.433E-05	0.7255	2.056E-05	0.0022	0
Base	-7436		SX Max	1.5355	0.0439	2.0506	0.0315	0.0995	0.0002
Base	-7436		SY Max	0.4654	0.6723	1.6805	0.5746	0.0219	0.0004
Base	-7436		CIM1	0.0563	0.0003	4.3015	0.0002	0.0009	-2.995E-06
Base	-7436		CIM2 Max	1.3449	0.0369	5.407	0.0279	0.0863	0.0001
Base	-7436		CIM2 Min	-1.3575	-0.0364	1.7451	-0.0275	-0.0656	-0.0001
Base	-7436		CIM3 Max	0.4033	0.5919	5.0549	0.506	0.018	0.0003
Base	-7436		CIM3 Min	-0.4159	-0.5914	2.0972	-0.5056	-0.0205	-0.0003
Base	-7436		CIM4 Max	1.054	0.0292	5.4934	0.0209	0.0661	0.0001
Base	-7436		CIM4 Min	-0.9726	-0.0287	2.747	-0.0206	-0.0653	-0.0001
Base	-7436		CIM5 Max	0.3478	0.444	5.2293	0.3785	0.0146	0.0002
Base	-7436		CIM5 Min	-0.2666	-0.4434	3.011	-0.3792	-0.0141	-0.0002
Base	-7436		CIM6 Max	1.3474	0.0366	3.9765	0.0276	0.0868	0.0001
Base	-7436		CIM6 Min	-1.355	-0.0365	0.3147	-0.0276	-0.0663	-0.0001
Base	-7436		CIM7 Max	0.4056	0.5916	3.6245	0.5059	0.0165	0.0003
Base	-7436		CIM7 Min	-0.4134	-0.5915	0.6666	-0.5057	-0.02	-0.0003
Base	-7441		PP	-0.2017	0.0002	2.9594	-2.262E-05	-0.01	-1.164E-06
Base	-7441		CA	0.0092	3.06E-05	0.6254	-1.456E-05	0.0011	0
Base	-7441		CV	0.0175	3.399E-05	0.7717	-2.651E-05	0.002	0
Base	-7441		SX Max	1.515	0.0493	3.6655	0.0356	0.1014	0.0001
Base	-7441		SY Max	0.4476	0.835	1.371	0.7407	0.0219	0.0006
Base	-7441		CIM1	-0.175	0.0002	4.3565	-0.0001	-0.0069	-1.605E-06
Base	-7441		CIM2 Max	1.1407	0.0436	6.6104	0.0341	0.0803	0.0001
Base	-7441		CIM2 Min	-1.5257	-0.0432	0.3592	-0.0342	-0.0962	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7441		CIM3 Max	0.2014	0.735	4.7913	0.6518	0.0104	0.0005
Base	-7441		CIM3 Min	-0.5864	-0.7346	2.3763	-0.6519	-0.0262	-0.0005
Base	-7441		CIM4 Max	0.6205	0.0326	6.5627	0.0256	0.0595	0.0001
Base	-7441		CIM4 Min	-1.1793	-0.0323	1.7443	-0.0257	-0.0744	-0.0001
Base	-7441		CIM5 Max	0.1161	0.5513	5.0664	0.4656	0.007	0.0004
Base	-7441		CIM5 Min	-0.4746	-0.5509	3.2567	-0.4669	-0.0219	-0.0004
Base	-7441		CIM6 Max	1.2177	0.0435	5.3765	0.0341	0.0639	0.0001
Base	-7441		CIM6 Min	-1.4467	-0.0432	-1.0748	-0.0342	-0.0946	-0.0001
Base	-7441		CIM7 Max	0.2764	0.7349	3.3573	0.6518	0.014	0.0005
Base	-7441		CIM7 Min	-0.5094	-0.7347	0.9444	-0.6519	-0.0247	-0.0005
Base	-7446		PP	-0.3532	0.0001	3.0137	-0.0001	-0.0206	0
Base	-7446		CA	-0.0473	2.223E-05	0.6561	-2.326E-05	-0.0037	0
Base	-7446		CV	-0.0565	3.12E-05	0.6152	-3.904E-05	-0.0049	0
Base	-7446		SX Max	1.4224	0.0674	6.0516	0.0558	0.1076	0.0003
Base	-7446		SY Max	0.4044	1.1739	1.2572	0.9586	0.0223	0.0037
Base	-7446		CIM1	-0.4572	0.0002	4.467	-0.0001	-0.0291	0
Base	-7446		CIM2 Max	0.6513	0.0594	6.9972	0.049	0.0706	0.0002
Base	-7446		CIM2 Min	-1.6521	-0.0591	-1.6536	-0.0492	-0.1191	-0.0002
Base	-7446		CIM3 Max	-0.0446	1.0332	4.7761	0.8435	-0.0046	0.0032
Base	-7446		CIM3 Min	-0.7563	-1.0329	2.5655	-0.8437	-0.0439	-0.0032
Base	-7446		CIM4 Max	0.4956	0.0446	6.2772	0.0367	0.0432	0.0002
Base	-7446		CIM4 Min	-1.3616	-0.0443	0.2691	-0.0369	-0.099	-0.0002
Base	-7446		CIM5 Max	-0.1761	0.7749	5.1129	0.6325	-0.0132	0.0024
Base	-7446		CIM5 Min	-0.7099	-0.7746	3.4534	-0.6326	-0.0426	-0.0024
Base	-7446		CIM6 Max	1.0115	0.0594	7.5264	0.049	0.0603	0.0002
Base	-7446		CIM6 Min	-1.482	-0.0592	-3.1223	-0.0491	-0.1094	-0.0002
Base	-7446		CIM7 Max	0.1156	1.0331	3.3094	0.8435	0.0051	0.0032
Base	-7446		CIM7 Min	-0.5961	-1.0329	1.0967	-0.8436	-0.0342	-0.0032
Base	-7455		PP	0.166	-0.0155	2.3923	0.0069	0.0106	-0.0001
Base	-7455		CA	0.0379	-0.0016	0.4077	0.0007	0.0027	-1.223E-05
Base	-7455		CV	0.0216	-0.0021	0.4049	0.0009	0.0016	-1.213E-05
Base	-7455		SX Max	0.8515	0.1113	3.5562	0.0626	0.0744	0.0006
Base	-7455		SY Max	0.4967	0.0557	3.6924	0.075	0.0261	0.0006
Base	-7455		CIM1	0.2477	-0.0195	3.2049	0.0085	0.0151	-0.0001
Base	-7455		CIM2 Max	0.9752	0.0605	5.9295	0.0503	0.0766	0.0004
Base	-7455		CIM2 Min	-0.5234	-0.1153	-0.3295	-0.065	-0.0522	-0.0006
Base	-7455		CIM3 Max	0.663	0.056	6.2253	0.0737	0.0363	0.0004
Base	-7455		CIM3 Min	-0.2112	-0.0926	-0.6254	-0.0564	-0.0097	-0.0006
Base	-7455		CIM4 Max	0.6042	0.0545	5.4506	0.0626	0.0637	0.0003
Base	-7455		CIM4 Min	-0.3197	-0.0924	0.7566	-0.0462	-0.0345	-0.0005
Base	-7455		CIM5 Max	0.5701	0.0376	5.6727	0.0576	0.0318	0.0003
Base	-7455		CIM5 Min	-0.0856	-0.0755	0.5347	-0.0412	-0.0026	-0.0005
Base	-7455		CIM6 Max	0.6646	0.0675	4.6095	0.0772	0.0735	0.0005
Base	-7455		CIM6 Min	-0.6136	-0.1083	-1.4495	-0.0661	-0.0575	-0.0006
Base	-7455		CIM7 Max	0.5726	0.065	5.1053	0.0706	0.0309	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7455		CIM7 Min	-0.3016	-0.0656	-1.7454	-0.0615	-0.015	-0.0006
Base	-7464		PP	0.0067	0.1146	2.8692	-0.0061	0.0043	0.0001
Base	-7464		CA	0.0024	-0.0203	0.466	0.0003	0.0015	1.723E-05
Base	-7464		CV	0.0037	-0.0475	0.6197	0.0014	0.0023	2.465E-05
Base	-7464		SX Max	0.2068	0.333	1.9962	0.0147	0.2241	0.0004
Base	-7464		SY Max	0.1913	0.6654	0.3436	0.0734	0.1427	0.0005
Base	-7464		CIM1	0.0146	0.047	3.9569	-0.0064	0.0051	0.0001
Base	-7464		CIM2 Max	0.1931	0.3676	5.0956	0.0051	0.203	0.0005
Base	-7464		CIM2 Min	-0.1709	-0.1986	1.5766	-0.0207	-0.1914	-0.0003
Base	-7464		CIM3 Max	0.1794	0.6561	3.6396	0.0566	0.1314	0.0005
Base	-7464		CIM3 Min	-0.1572	-0.6671	3.0347	-0.0723	-0.1196	-0.0003
Base	-7464		CIM4 Max	0.1503	0.2767	5.1206	0.003	0.1554	0.0004
Base	-7464		CIM4 Min	-0.1227	-0.1609	2.4532	-0.0164	-0.1404	-0.0002
Base	-7464		CIM5 Max	0.1401	0.6301	4.0269	0.0417	0.1017	0.0004
Base	-7464		CIM5 Min	-0.1124	-0.5123	3.5751	-0.0551	-0.0967	-0.0002
Base	-7464		CIM6 Max	0.1666	0.3496	3.7607	0.0062	0.2007	0.0004
Base	-7464		CIM6 Min	-0.1753	-0.2364	0.2439	-0.0176	-0.1937	-0.0003
Base	-7464		CIM7 Max	0.175	0.6163	2.3049	0.0599	0.1291	0.0005
Base	-7464		CIM7 Min	-0.1617	-0.7049	1.6996	-0.0692	-0.1221	-0.0004
Base	-7473		PP	0.0007	-0.1325	2.8534	0.0056	0.0014	-3.461E-05
Base	-7473		CA	0.0003	-0.0471	0.4316	0.0026	0.0005	-1.007E-05
Base	-7473		CV	0.0005	-0.0741	0.5576	0.0042	0.0006	-1.565E-05
Base	-7473		SX Max	0.6164	0.3427	1.7101	0.0189	0.4959	0.0024
Base	-7473		SY Max	0.3674	0.6092	3.2167	0.0735	0.2905	0.0013
Base	-7473		CIM1	0.0015	-0.2536	3.6426	0.0156	0.0026	-0.0001
Base	-7473		CIM2 Max	0.5434	0.122	4.7902	0.026	0.4363	0.0021
Base	-7473		CIM2 Min	-0.5414	-0.4611	1.7603	-0.0053	-0.4344	-0.0022
Base	-7473		CIM3 Max	0.3243	0.5326	6.1159	0.076	0.2576	0.0011
Base	-7473		CIM3 Min	-0.3223	-0.6916	0.4545	-0.0533	-0.2537	-0.0012
Base	-7473		CIM4 Max	0.4062	-0.0089	4.8321	0.027	0.3299	0.0015
Base	-7473		CIM4 Min	-0.4054	-0.4613	2.5747	0.002	-0.3247	-0.0016
Base	-7473		CIM5 Max	0.2436	0.299	5.8264	0.063	0.1943	0.0006
Base	-7473		CIM5 Min	-0.2411	-0.7692	1.5804	-0.034	-0.1891	-0.0009
Base	-7473		CIM6 Max	0.543	0.1936	3.4761	0.0235	0.4376	0.0021
Base	-7473		CIM6 Min	-0.5416	-0.4093	0.4662	-0.0099	-0.4352	-0.0021
Base	-7473		CIM7 Max	0.3239	0.6044	4.6019	0.0715	0.2566	0.0011
Base	-7473		CIM7 Min	-0.3227	-0.6196	-0.8596	-0.0579	-0.2545	-0.0012
Base	-7482		PP	-0.0176	0.0405	2.466	-0.0006	-0.0062	0.0001
Base	-7482		CA	-0.0036	-0.0003	0.5146	0.0007	-0.0017	2.163E-05
Base	-7482		CV	-0.0037	0.0167	0.476	-0.0004	-0.0017	1.951E-05
Base	-7482		SX Max	0.1434	0.4294	3.5665	0.0299	0.1436	0.0009
Base	-7482		SY Max	0.1606	0.565	3.0573	0.0583	0.1337	0.0006
Base	-7482		CIM1	-0.0251	0.059	3.4605	-0.0006	-0.0117	0.0001
Base	-7482		CIM2 Max	0.1046	0.4162	6.1229	0.0261	0.1166	0.0009
Base	-7482		CIM2 Min	-0.1476	-0.3376	-0.1577	-0.0264	-0.1365	-0.0007

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7482		CIM3 Max	0.1375	0.5551	5.673	0.0512	0.1077	0.0007
Base	-7482		CIM3 Min	-0.1603	-0.4745	0.2921	-0.0515	-0.1276	-0.0004
Base	-7482		CIM4 Max	0.0705	0.3377	5.6963	0.0193	0.0637	0.0007
Base	-7482		CIM4 Min	-0.1186	-0.2291	0.9656	-0.0201	-0.1061	-0.0005
Base	-7482		CIM5 Max	0.095	0.4404	5.3589	0.0361	0.077	0.0005
Base	-7482		CIM5 Min	-0.1434	-0.3316	1.3232	-0.039	-0.0995	-0.0003
Base	-7482		CIM6 Max	0.1134	0.4021	4.9296	0.0262	0.1206	0.0009
Base	-7482		CIM6 Min	-0.1391	-0.3537	-1.3507	-0.0263	-0.1325	-0.0006
Base	-7482		CIM7 Max	0.1461	0.5369	4.48	0.0513	0.1117	0.0006
Base	-7482		CIM7 Min	-0.1718	-0.4906	-0.9009	-0.0514	-0.1236	-0.0005
Base	-7491		PP	-0.0066	0.116	2.6742	-0.0061	-0.0043	-0.0001
Base	-7491		CA	-0.0023	-0.0176	0.4799	0.0002	-0.0013	-1.66E-05
Base	-7491		CV	-0.0036	-0.0461	0.6363	0.0015	-0.0022	-2.463E-05
Base	-7491		SX Max	0.2011	0.275	2.0244	0.0109	0.2206	0.0004
Base	-7491		SY Max	0.192	0.617	0.2582	0.0702	0.1442	0.0005
Base	-7491		CIM1	-0.0145	0.0503	3.9923	-0.0064	-0.0079	-0.0001
Base	-7491		CIM2 Max	0.166	0.3403	5.1355	0.0017	0.1667	0.0003
Base	-7491		CIM2 Min	-0.1678	-0.1436	1.5726	-0.0175	-0.2	-0.0005
Base	-7491		CIM3 Max	0.1561	0.6173	3.5621	0.0539	0.1213	0.0003
Base	-7491		CIM3 Min	-0.1799	-0.6206	3.126	-0.0696	-0.1325	-0.0005
Base	-7491		CIM4 Max	0.1191	0.2438	5.1689	0.0004	0.1365	0.0002
Base	-7491		CIM4 Min	-0.1463	-0.1192	2.4967	-0.0139	-0.1531	-0.0004
Base	-7491		CIM5 Max	0.1131	0.6015	4.0036	0.0396	0.0879	0.0002
Base	-7491		CIM5 Min	-0.1403	-0.4769	3.6617	-0.053	-0.1025	-0.0005
Base	-7491		CIM6 Max	0.1704	0.301	3.7939	0.0049	0.191	0.0003
Base	-7491		CIM6 Min	-0.1635	-0.163	0.231	-0.0143	-0.1977	-0.0004
Base	-7491		CIM7 Max	0.1624	0.7779	2.2405	0.057	0.1235	0.0004
Base	-7491		CIM7 Min	-0.1755	-0.6599	1.7544	-0.0665	-0.1303	-0.0005
Base	-7500		PP	-0.0007	-0.1326	2.5614	0.0056	-0.0014	3.429E-05
Base	-7500		CA	-0.0003	-0.0476	0.4526	0.0029	-0.0005	9.217E-06
Base	-7500		CV	-0.0005	-0.0773	0.5617	0.0045	-0.0006	1.545E-05
Base	-7500		SX Max	0.6095	0.2677	1.6418	0.0146	0.4913	0.0024
Base	-7500		SY Max	0.3735	0.7715	3.1377	0.0709	0.2952	0.0013
Base	-7500		CIM1	-0.0014	-0.2577	3.6956	0.016	-0.0027	0.0001
Base	-7500		CIM2 Max	0.5354	0.0726	4.7566	0.0246	0.4305	0.0022
Base	-7500		CIM2 Min	-0.5373	-0.4335	1.6693	-0.0015	-0.4342	-0.0021
Base	-7500		CIM3 Max	0.3276	0.4965	6.0752	0.0739	0.2579	0.0012
Base	-7500		CIM3 Min	-0.3296	-0.6593	0.5529	-0.0505	-0.2616	-0.0011
Base	-7500		CIM4 Max	0.401	-0.0455	4.6339	0.0247	0.3215	0.0016
Base	-7500		CIM4 Min	-0.4035	-0.4252	2.6666	0.0051	-0.3267	-0.0015
Base	-7500		CIM5 Max	0.2453	0.2705	5.6212	0.0617	0.1924	0.0009
Base	-7500		CIM5 Min	-0.2478	-0.7475	1.6795	-0.0319	-0.1973	-0.0008
Base	-7500		CIM6 Max	0.5356	0.1449	3.4332	0.0199	0.4312	0.0021
Base	-7500		CIM6 Min	-0.5369	-0.3614	0.5437	-0.0061	-0.4334	-0.0021
Base	-7500		CIM7 Max	0.3262	0.5706	4.7496	0.0693	0.2566	0.0012

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7500		CIM7 Min	-0.3293	-0.7671	-0.7727	-0.0554	-0.2609	-0.0011
Base	-7509		PP	0.0176	0.0443	2.4602	-0.0012	0.0053	-0.0001
Base	-7509		CA	0.0047	0.0163	0.5094	-0.0007	0.0026	-1.4E-05
Base	-7509		CV	0.004	0.0273	0.4626	-0.0011	0.0021	-1.465E-05
Base	-7509		SX Max	0.1595	0.3787	3.5893	0.025	0.1534	0.0009
Base	-7509		SY Max	0.2125	0.5474	2.6715	0.056	0.1517	0.0006
Base	-7509		CIM1	0.0263	0.0696	3.4323	-0.003	0.013	-0.0001
Base	-7509		CIM2 Max	0.1627	0.3959	6.1263	0.0201	0.1459	0.0007
Base	-7509		CIM2 Min	-0.1161	-0.2707	-0.1569	-0.0235	-0.1241	-0.0009
Base	-7509		CIM3 Max	0.2093	0.5443	5.4966	0.0474	0.1444	0.0004
Base	-7509		CIM3 Min	-0.1647	-0.4192	0.4426	-0.0511	-0.1226	-0.0006
Base	-7509		CIM4 Max	0.1306	0.333	5.6856	0.0136	0.1137	0.0005
Base	-7509		CIM4 Min	-0.06	-0.1669	0.9477	-0.0192	-0.0586	-0.0007
Base	-7509		CIM5 Max	0.1656	0.4443	5.2116	0.0342	0.1126	0.0003
Base	-7509		CIM5 Min	-0.1149	-0.2783	1.4215	-0.0396	-0.0577	-0.0005
Base	-7509		CIM6 Max	0.1536	0.3706	4.9404	0.0209	0.1415	0.0006
Base	-7509		CIM6 Min	-0.127	-0.2957	-1.3766	-0.0231	-0.1265	-0.0009
Base	-7509		CIM7 Max	0.2004	0.5193	4.3067	0.0451	0.1401	0.0005
Base	-7509		CIM7 Min	-0.1736	-0.4442	-0.7451	-0.0504	-0.127	-0.0006
Base	-7516		PP	0.1521	0.0061	3.1662	-0.0041	0.0107	-0.0001
Base	-7516		CA	0.1301	0.0015	0.6095	-0.0006	0.0124	-2.247E-05
Base	-7516		CV	0.2304	0.0021	0.6561	-0.0006	0.022	-3.305E-05
Base	-7516		SX Max	1.0371	0.2139	0.2672	0.1413	0.0618	0.0007
Base	-7516		SY Max	0.4271	0.2609	1.6865	0.25	0.0193	0.0005
Base	-7516		CIM1	0.5126	0.0116	4.6356	-0.0056	0.0451	-0.0002
Base	-7516		CIM2 Max	1.1946	0.1979	4.0126	0.1196	0.095	0.0005
Base	-7516		CIM2 Min	-0.6304	-0.1766	3.5425	-0.1291	-0.0469	-0.0007
Base	-7516		CIM3 Max	0.6561	0.2393	5.4396	0.2152	0.04	0.0003
Base	-7516		CIM3 Min	-0.0937	-0.2199	2.1156	-0.2246	0.0061	-0.0005
Base	-7516		CIM4 Max	1.1395	0.1525	4.5976	0.0679	0.0935	0.0003
Base	-7516		CIM4 Min	-0.2295	-0.1299	4.2449	-0.0967	-0.0144	-0.0006
Base	-7516		CIM5 Max	0.7369	0.1635	5.6677	0.1596	0.0523	0.0002
Base	-7516		CIM5 Min	0.1731	-0.1609	3.1749	-0.1704	0.0269	-0.0005
Base	-7516		CIM6 Max	1.082	0.1941	2.5017	0.1215	0.0858	0.0006
Base	-7516		CIM6 Min	-0.7433	-0.1624	2.0315	-0.1272	-0.0581	-0.0007
Base	-7516		CIM7 Max	0.5452	0.2354	3.9265	0.2171	0.0306	0.0003
Base	-7516		CIM7 Min	-0.2065	-0.2236	0.6047	-0.2229	-0.0031	-0.0005
Base	-7523		PP	-0.1494	0.0003	3.1696	-0.0012	-0.0104	3.952E-05
Base	-7523		CA	0.0061	0.0002	0.6205	-0.0002	-0.0053	5.126E-06
Base	-7523		CV	0.0263	0.0003	0.664	-0.0004	-0.0056	6.557E-06
Base	-7523		SX Max	0.9741	0.3533	3.3851	0.2647	0.0619	0.0015
Base	-7523		SY Max	0.4056	0.6626	1.5819	0.5374	0.0219	0.0026
Base	-7523		CIM1	-0.115	0.0006	4.6743	-0.0017	-0.0243	0.0001
Base	-7523		CIM2 Max	0.7139	0.3114	6.7692	0.2492	0.0563	0.0014
Base	-7523		CIM2 Min	-1.0005	-0.3105	0.6114	-0.2519	-0.0676	-0.0013

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7523		CIM3 Max	0.2136	0.5636	5.1624	0.4715	0.0036	0.0025
Base	-7523		CIM3 Min	-0.5003	-0.5627	2.3983	-0.4742	-0.0351	-0.0024
Base	-7523		CIM4 Max	0.5206	0.2339	6.6575	0.1663	0.0316	0.001
Base	-7523		CIM4 Min	-0.765	-0.2325	2.2191	-0.1695	-0.0762	-0.0009
Base	-7523		CIM5 Max	0.1456	0.436	5.4973	0.353	-0.0077	0.0019
Base	-7523		CIM5 Min	-0.3696	-0.4367	3.4093	-0.3563	-0.0367	-0.0016
Base	-7523		CIM6 Max	0.7712	0.3112	5.2531	0.2497	0.0626	0.0014
Base	-7523		CIM6 Min	-0.9432	-0.3107	-0.7047	-0.2514	-0.0615	-0.0013
Base	-7523		CIM7 Max	0.2709	0.5634	3.6662	0.472	0.0099	0.0024
Base	-7523		CIM7 Min	-0.443	-0.5629	0.8622	-0.4737	-0.0256	-0.0024
Base	-7532		PP	0.1542	0.0003	3.1649	-0.0011	0.0107	-3.958E-05
Base	-7532		CA	0.0064	0.0001	0.6113	-0.0002	0.0062	-5.26E-06
Base	-7532		CV	-0.0191	0.0003	0.57	-0.0003	0.0093	-6.677E-06
Base	-7532		SX Max	0.965	0.338	3.364	0.274	0.0615	0.0015
Base	-7532		SY Max	0.2695	0.6631	1.3926	0.5376	0.0134	0.0026
Base	-7532		CIM1	0.1415	0.0007	4.6461	-0.0017	0.0262	-0.0001
Base	-7532		CIM2 Max	1.0096	0.2979	6.7541	0.2396	0.0656	0.0013
Base	-7532		CIM2 Min	-0.6886	-0.2971	0.7962	-0.2425	-0.0546	-0.0014
Base	-7532		CIM3 Max	0.4153	0.564	5.0016	0.4717	0.0257	0.0024
Base	-7532		CIM3 Min	-0.0941	-0.5631	2.5505	-0.4744	0.0052	-0.0025
Base	-7532		CIM4 Max	0.7632	0.2236	6.6621	0.1792	0.0777	0.0009
Base	-7532		CIM4 Min	-0.4906	-0.2225	2.1952	-0.1624	-0.0299	-0.001
Base	-7532		CIM5 Max	0.3373	0.4363	5.3479	0.3532	0.0327	0.0018
Base	-7532		CIM5 Min	-0.0446	-0.437	3.5094	-0.3564	0.0151	-0.0019
Base	-7532		CIM6 Max	0.9456	0.2977	5.2436	0.2403	0.0618	0.0013
Base	-7532		CIM6 Min	-0.7526	-0.2972	-0.7122	-0.2419	-0.0616	-0.0014
Base	-7532		CIM7 Max	0.3511	0.5636	3.4914	0.4723	0.0219	0.0024
Base	-7532		CIM7 Min	-0.1564	-0.5633	1.04	-0.4739	-0.0016	-0.0025
Base	-7541		PP	-0.1466	0.0061	3.1659	-0.0041	-0.0104	0.0001
Base	-7541		CA	-0.1166	0.0015	0.6042	-0.0006	-0.0119	2.205E-05
Base	-7541		CV	-0.2232	0.0021	0.6579	-0.0006	-0.022	3.313E-05
Base	-7541		SX Max	1.0212	0.2052	0.2429	0.1339	0.0609	0.0007
Base	-7541		SY Max	0.296	0.2626	1.6966	0.2499	0.0107	0.0005
Base	-7541		CIM1	-0.4566	0.0116	4.626	-0.0056	-0.0443	0.0002
Base	-7541		CIM2 Max	0.6353	0.1902	3.9536	0.1131	0.0469	0.0006
Base	-7541		CIM2 Min	-1.1621	-0.1709	3.5564	-0.1226	-0.0935	-0.0005
Base	-7541		CIM3 Max	-0.0011	0.2407	5.441	0.2152	-0.0129	0.0005
Base	-7541		CIM3 Min	-0.5257	-0.2214	2.0992	-0.2247	-0.0317	-0.0003
Base	-7541		CIM4 Max	0.2433	0.1466	4.5739	0.083	0.0146	0.0006
Base	-7541		CIM4 Min	-1.1046	-0.1242	4.2532	-0.0936	-0.0922	-0.0003
Base	-7541		CIM5 Max	-0.2341	0.1646	5.6666	0.1596	-0.0316	0.0005
Base	-7541		CIM5 Min	-0.6275	-0.1621	3.1603	-0.1703	-0.0459	-0.0002
Base	-7541		CIM6 Max	0.7407	0.1663	2.4756	0.115	0.0579	0.0007
Base	-7541		CIM6 Min	-1.0567	-0.1747	2.0463	-0.1207	-0.0646	-0.0006
Base	-7541		CIM7 Max	0.1042	0.2369	3.933	0.2171	-0.004	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7541		CIM7 Min	-0.4203	-0.2253	0.5911	-0.2226	-0.0226	-0.0003
Base	-7546		PP	-0.1644	-0.0156	2.2099	0.0066	-0.0106	0.0001
Base	-7546		CA	-0.0362	-0.0023	0.4069	0.001	-0.0026	6.44E-06
Base	-7546		CV	-0.0272	-0.0023	0.4039	0.0011	-0.0022	9.362E-06
Base	-7546		SX Max	0.7435	0.0967	3.3065	0.0704	0.0668	0.0005
Base	-7546		SY Max	0.4029	0.0795	3.6379	0.0626	0.0204	0.0005
Base	-7546		CIM1	-0.2496	-0.0202	3.0207	0.0066	-0.0156	0.0001
Base	-7546		CIM2 Max	0.4317	0.0672	5.5265	0.0697	0.0451	0.0005
Base	-7546		CIM2 Min	-0.5769	-0.103	-0.2929	-0.0541	-0.0724	-0.0003
Base	-7546		CIM3 Max	0.132	0.052	5.8161	0.0629	0.0043	0.0005
Base	-7546		CIM3 Min	-0.5772	-0.0576	-0.5645	-0.0473	-0.0316	-0.0003
Base	-7546		CIM4 Max	0.2477	0.0441	5.102	0.055	0.0268	0.0004
Base	-7546		CIM4 Min	-0.7336	-0.0535	0.7375	-0.0379	-0.0593	-0.0002
Base	-7546		CIM5 Max	0.0229	0.0326	5.3207	0.0499	-0.0016	0.0004
Base	-7546		CIM5 Min	-0.509	-0.0721	0.5167	-0.0327	-0.0267	-0.0002
Base	-7546		CIM6 Max	0.5206	0.0743	4.4796	0.0666	0.0506	0.0005
Base	-7546		CIM6 Min	-0.7679	-0.0956	-1.3396	-0.0572	-0.0669	-0.0004
Base	-7546		CIM7 Max	0.221	0.0592	4.7714	0.0596	0.0096	0.0004
Base	-7546		CIM7 Min	-0.4861	-0.0607	-1.6313	-0.0504	-0.0261	-0.0004
Base	-7555		PP	0.4107	0.0003	3.0494	-0.0003	0.0235	-7.369E-07
Base	-7555		CA	0.0737	0.0006	0.6565	-0.0006	0.0051	-3.036E-06
Base	-7555		CV	0.0616	0.0004	0.6009	-0.0005	0.0062	-1.751E-06
Base	-7555		SX Max	1.7604	0.0656	6.7703	0.0564	0.1262	0.0003
Base	-7555		SY Max	0.315	1.2026	0.9449	0.9659	0.016	0.0039
Base	-7555		CIM1	0.5662	0.0015	4.5067	-0.0016	0.0347	-5.526E-06
Base	-7555		CIM2 Max	2.0511	0.0569	9.6636	0.0465	0.1414	0.0002
Base	-7555		CIM2 Min	-1.0823	-0.0566	-2.252	-0.0506	-0.0543	-0.0002
Base	-7555		CIM3 Max	0.7616	1.0595	4.5374	0.8665	0.0444	0.0034
Base	-7555		CIM3 Min	0.2072	-1.0574	2.8743	-0.8665	0.0127	-0.0034
Base	-7555		CIM4 Max	1.7206	0.0446	8.7749	0.0358	0.1176	0.0002
Base	-7555		CIM4 Min	-0.6293	-0.042	-0.1619	-0.0367	-0.0514	-0.0002
Base	-7555		CIM5 Max	0.7536	0.7952	4.9302	0.6492	0.0451	0.0026
Base	-7555		CIM5 Min	0.3376	-0.7924	3.6529	-0.6522	0.0213	-0.0026
Base	-7555		CIM6 Max	1.6573	0.0565	8.1614	0.049	0.13	0.0002
Base	-7555		CIM6 Min	-1.2761	-0.0572	-3.7344	-0.0503	-0.0957	-0.0002
Base	-7555		CIM7 Max	0.5679	1.0591	3.0551	0.867	0.033	0.0034
Base	-7555		CIM7 Min	0.0134	-1.0576	1.392	-0.8663	0.0013	-0.0034
Base	-7564		PP	0.2616	0.0004	3.0022	-0.0003	0.0141	1.466E-06
Base	-7564		CA	0.0269	0.001	0.6279	-0.0011	0.0009	1.458E-06
Base	-7564		CV	0.0195	0.0006	0.7695	-0.0006	-0.0002	8.036E-07
Base	-7564		SX Max	1.9413	0.0516	4.3419	0.044	0.1227	0.0001
Base	-7564		SY Max	0.3504	0.8393	0.9571	0.7435	0.018	0.0007
Base	-7564		CIM1	0.3299	0.0021	4.3995	-0.0021	0.0146	3.75E-06
Base	-7564		CIM2 Max	2.0166	0.0469	7.451	0.0373	0.123	0.0001
Base	-7564		CIM2 Min	-1.3978	-0.0439	-0.1909	-0.0402	-0.093	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7564		CIM3 Max	0.6186	0.74	4.4723	0.6526	0.0309	0.0006
Base	-7564		CIM3 Min	0.0022	-0.7371	2.7876	-0.6557	-0.0009	-0.0006
Base	-7564		CIM4 Max	1.6063	0.0359	7.0726	0.0271	0.0958	0.0001
Base	-7564		CIM4 Min	-0.9562	-0.0321	1.3415	-0.0309	-0.0661	-0.0001
Base	-7564		CIM5 Max	0.5563	0.5556	4.6389	0.4686	0.0268	0.0004
Base	-7564		CIM5 Min	0.0936	-0.552	3.5754	-0.4926	0.003	-0.0004
Base	-7564		CIM6 Max	1.5946	0.0463	5.9969	0.0378	0.117	0.0001
Base	-7564		CIM6 Min	-1.522	-0.0445	-1.6429	-0.0396	-0.099	-0.0001
Base	-7564		CIM7 Max	0.4946	0.7394	3.0203	0.6534	0.0249	0.0006
Base	-7564		CIM7 Min	-0.122	-0.7377	1.3356	-0.6552	-0.0069	-0.0006
Base	-7569		PP	0.1666	0.0006	3.0461	-0.0002	0.0065	2.546E-06
Base	-7569		CA	0.0016	0.0014	0.6104	-0.0013	0.0006	2.353E-06
Base	-7569		CV	-0.0102	0.0007	0.744	-0.0007	0.0003	1.353E-06
Base	-7569		SX Max	2.0611	0.0476	2.9252	0.0352	0.1257	0.0001
Base	-7569		SY Max	0.3572	0.661	1.1262	0.5597	0.0174	0.0004
Base	-7569		CIM1	0.156	0.0027	4.4025	-0.0022	0.0095	6.252E-06
Base	-7569		CIM2 Max	1.962	0.0436	6.2327	0.0295	0.1197	0.0001
Base	-7569		CIM2 Min	-1.6456	-0.0399	1.0644	-0.0325	-0.1015	-0.0001
Base	-7569		CIM3 Max	0.4625	0.5637	4.6496	0.4911	0.0244	0.0004
Base	-7569		CIM3 Min	-0.1461	-0.5796	2.6674	-0.4941	-0.0062	-0.0004
Base	-7569		CIM4 Max	1.5209	0.0339	6.1471	0.0212	0.0923	0.0001
Base	-7569		CIM4 Min	-1.1995	-0.0269	2.2659	-0.0252	-0.0736	-0.0001
Base	-7569		CIM5 Max	0.3963	0.4356	4.9596	0.3674	0.0208	0.0003
Base	-7569		CIM5 Min	-0.0752	-0.4336	3.4732	-0.3715	-0.0021	-0.0003
Base	-7569		CIM6 Max	1.9147	0.043	4.7693	0.0301	0.1161	0.0001
Base	-7569		CIM6 Min	-1.7126	-0.0407	-0.379	-0.0319	-0.1051	-0.0001
Base	-7569		CIM7 Max	0.4152	0.5629	3.1662	0.4917	0.0207	0.0004
Base	-7569		CIM7 Min	-0.2134	-0.5605	1.204	-0.4935	-0.0096	-0.0004
Base	-7574		PP	0.0905	0.0004	3.0655	0.0003	0.0046	6.421E-06
Base	-7574		CA	-0.0163	0.0013	0.5645	-0.0011	-0.001	0
Base	-7574		CV	-0.0335	0.0007	0.706	-0.0006	-0.002	6.67E-07
Base	-7574		SX Max	2.2573	0.0491	1.8522	0.033	0.1334	0.0001
Base	-7574		SY Max	0.3657	0.5164	1.3636	0.4111	0.0177	0.0003
Base	-7574		CIM1	0.0388	0.0024	4.356	-0.0014	0.0015	7.553E-06
Base	-7574		CIM2 Max	2.0587	0.045	5.2799	0.0282	0.1209	0.0001
Base	-7574		CIM2 Min	-1.9142	-0.0415	2.02	-0.0299	-0.1136	-0.0001
Base	-7574		CIM3 Max	0.394	0.458	4.65	0.3609	0.0191	0.0003
Base	-7574		CIM3 Min	-0.2495	-0.4545	2.45	-0.3626	-0.012	-0.0002
Base	-7574		CIM4 Max	1.537	0.0347	5.4035	0.0205	0.09	0.0001
Base	-7574		CIM4 Min	-1.4427	-0.0302	2.9565	-0.023	-0.066	-0.0001
Base	-7574		CIM5 Max	0.2565	0.3444	5.061	0.2701	0.0137	0.0002
Base	-7574		CIM5 Min	-0.1942	-0.3399	3.261	-0.2726	-0.0097	-0.0002
Base	-7574		CIM6 Max	2.0296	0.0443	3.6199	0.0286	0.1195	0.0001
Base	-7574		CIM6 Min	-1.9431	-0.0422	0.56	-0.0295	-0.1152	-0.0001
Base	-7574		CIM7 Max	0.3651	0.4573	3.39	0.3613	0.0177	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7574		CIM7 Min	-0.2764	-0.4552	0.99	-0.3623	-0.0134	-0.0003
Base	-7579		PP	0.0414	-0.0007	3.0647	0.0019	0.0017	3.926E-05
Base	-7579		CA	-0.0247	0.0005	0.5542	-0.0005	-0.0011	1.965E-06
Base	-7579		CV	-0.0362	0.0002	0.667	-0.0001	-0.0015	3.556E-06
Base	-7579		SX Max	2.4993	0.0605	1.07	0.0449	0.1445	0.0005
Base	-7579		SY Max	0.3644	0.3333	1.6966	0.2634	0.0145	0.0009
Base	-7579		CIM1	-0.0194	0.0001	4.2659	0.0013	-0.0009	4.509E-05
Base	-7579		CIM2 Max	2.2161	0.0707	4.5605	0.0409	0.1276	0.0004
Base	-7579		CIM2 Min	-2.1626	-0.0709	2.6773	-0.0361	-0.1265	-0.0004
Base	-7579		CIM3 Max	0.3374	0.2932	5.1119	0.2332	0.0134	0.0009
Base	-7579		CIM3 Min	-0.3039	-0.2935	2.1259	-0.2304	-0.0122	-0.0006
Base	-7579		CIM4 Max	1.6392	0.0531	4.6253	0.0309	0.0949	0.0003
Base	-7579		CIM4 Min	-1.6589	-0.0531	3.413	-0.0263	-0.0959	-0.0003
Base	-7579		CIM5 Max	0.2301	0.22	5.2369	0.1752	0.0091	0.0007
Base	-7579		CIM5 Min	-0.2505	-0.2199	2.9994	-0.1726	-0.0101	-0.0006
Base	-7579		CIM6 Max	2.2094	0.0707	3.1129	0.0403	0.1276	0.0004
Base	-7579		CIM6 Min	-2.1693	-0.0709	1.2296	-0.0366	-0.1266	-0.0004
Base	-7579		CIM7 Max	0.3307	0.2932	3.6644	0.2327	0.0132	0.0009
Base	-7579		CIM7 Min	-0.3106	-0.2934	0.6763	-0.231	-0.0124	-0.0006
Base	-7564		PP	0.0367	-0.0119	3.0932	0.0061	0.0017	-0.0001
Base	-7564		CA	-0.0166	-0.0019	0.5313	0.0007	-0.001	-1.305E-05
Base	-7564		CV	-0.0263	-0.0016	0.6324	0.0006	-0.0014	-1.526E-05
Base	-7564		SX Max	2.7401	0.1145	0.5277	0.0445	0.1559	0.0004
Base	-7564		SY Max	0.4231	0.1257	2.3763	0.1264	0.0166	0.001
Base	-7564		CIM1	-0.0064	-0.0156	4.2569	0.0076	-0.0007	-0.0001
Base	-7564		CIM2 Max	2.4313	0.0673	4.0666	0.0463	0.1405	0.0003
Base	-7564		CIM2 Min	-2.3914	-0.1146	3.1601	-0.0326	-0.1391	-0.0005
Base	-7564		CIM3 Max	0.3923	0.0969	5.7156	0.1161	0.0171	0.0006
Base	-7564		CIM3 Min	-0.3524	-0.1244	1.5333	-0.1043	-0.0156	-0.001
Base	-7564		CIM4 Max	1.8067	0.0607	4.4471	0.037	0.1045	0.0001
Base	-7564		CIM4 Min	-1.8063	-0.0909	3.7505	-0.0221	-0.1052	-0.0004
Base	-7564		CIM5 Max	0.2795	0.0679	5.6671	0.0906	0.012	0.0005
Base	-7564		CIM5 Min	-0.279	-0.0961	2.5304	-0.076	-0.0126	-0.0006
Base	-7564		CIM6 Max	2.4233	0.0926	2.639	0.0436	0.1402	0.0003
Base	-7564		CIM6 Min	-2.3894	-0.1093	1.7103	-0.0353	-0.1394	-0.0005
Base	-7564		CIM7 Max	0.3643	0.1024	4.2656	0.1153	0.0166	0.0006
Base	-7564		CIM7 Min	-0.3604	-0.1159	0.0835	-0.1071	-0.0159	-0.001
Base	-7569		PP	-0.2106	0.0109	3.0867	-0.0057	-0.0139	0.0001
Base	-7569		CA	-0.0627	0.001	0.6167	0.0007	-0.0106	1.089E-05
Base	-7569		CV	-0.0844	0.0016	0.7504	-4.534E-05	-0.0176	2.997E-05
Base	-7569		SX Max	1.1197	0.1736	0.6409	0.0695	0.0647	0.0007
Base	-7569		SY Max	0.4646	0.1939	3.7747	0.2027	0.0142	0.0007
Base	-7569		CIM1	-0.3579	0.0135	4.4536	-0.005	-0.0423	0.0001
Base	-7569		CIM2 Max	0.7116	0.1646	4.2674	0.0562	0.0499	0.0007
Base	-7569		CIM2 Min	-1.2569	-0.1411	3.1395	-0.0661	-0.0992	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7569		CIM3 Max	0.153	0.1625	7.0252	0.1735	-0.0122	0.0007
Base	-7569		CIM3 Min	-0.7	-0.1566	0.3617	-0.1633	-0.0371	-0.0005
Base	-7569		CIM4 Max	0.4022	0.1276	4.6592	0.0409	0.0161	0.0006
Base	-7569		CIM4 Min	-1.0756	-0.1016	3.6433	-0.0506	-0.0936	-0.0003
Base	-7569		CIM5 Max	-0.0169	0.1411	6.7576	0.1266	-0.0265	0.0006
Base	-7569		CIM5 Min	-0.6567	-0.1149	1.7749	-0.1366	-0.0472	-0.0003
Base	-7569		CIM6 Max	0.6212	0.1601	2.766	0.0582	0.0596	0.0006
Base	-7569		CIM6 Min	-1.1495	-0.1459	1.6561	-0.0641	-0.0894	-0.0005
Base	-7569		CIM7 Max	0.2624	0.1776	5.5436	0.1754	-0.0023	0.0007
Base	-7569		CIM7 Min	-0.5806	-0.1635	-1.0997	-0.1614	-0.0272	-0.0006
Base	-7594		PP	0.0103	-0.0001	3.0064	-0.0009	0.0013	-4.324E-05
Base	-7594		CA	0.0636	-0.0027	0.6136	0.0034	0.01	-5.764E-06
Base	-7594		CV	0.1166	-0.0015	0.7575	0.0016	0.0183	-9.012E-06
Base	-7594		SX Max	1.1576	0.1239	1.9641	0.069	0.053	0.0006
Base	-7594		SY Max	0.46	0.4769	2.7199	0.4259	0.0165	0.0004
Base	-7594		CIM1	0.1926	-0.0043	4.3775	0.0042	0.0296	-0.0001
Base	-7594		CIM2 Max	1.0926	0.1062	5.3464	0.0632	0.0643	0.0005
Base	-7594		CIM2 Min	-0.9447	-0.1116	1.6916	-0.0562	-0.0616	-0.0006
Base	-7594		CIM3 Max	0.4786	0.4166	6.0135	0.3773	0.0275	0.0003
Base	-7594		CIM3 Min	-0.3309	-0.4243	1.2265	-0.3723	-0.005	-0.0004
Base	-7594		CIM4 Max	0.9271	0.0776	5.4644	0.0493	0.0798	0.0003
Base	-7594		CIM4 Min	-0.6009	-0.0657	2.6916	-0.0417	-0.0296	-0.0004
Base	-7594		CIM5 Max	0.4667	0.3121	5.9632	0.2649	0.0372	0.0002
Base	-7594		CIM5 Min	-0.1406	-0.32	2.393	-0.2773	0.0126	-0.0003
Base	-7594		CIM6 Max	1.063	0.1073	3.9004	0.0622	0.0796	0.0005
Base	-7594		CIM6 Min	-0.9743	-0.1107	0.4436	-0.0592	-0.0663	-0.0005
Base	-7594		CIM7 Max	0.4492	0.4196	4.5655	0.3763	0.023	0.0003
Base	-7594		CIM7 Min	-0.3605	-0.4231	-0.2215	-0.3733	-0.0096	-0.0004
Base	-7599		PP	0.229	-0.0017	3.0546	0.0011	0.0123	5.333E-07
Base	-7599		CA	0.0599	-0.0057	0.623	0.0057	-0.0017	3.094E-05
Base	-7599		CV	0.0822	-0.0032	0.7629	0.0031	-0.0047	1.59E-05
Base	-7599		SX Max	1.0656	0.0721	4.6662	0.0577	0.0692	0.0004
Base	-7599		SY Max	0.4676	0.6502	2.3656	0.6619	0.0249	0.0027
Base	-7599		CIM1	0.371	-0.0106	4.4407	0.0099	0.0059	4.736E-05
Base	-7599		CIM2 Max	1.2443	0.0561	7.6017	0.0575	0.0691	0.0003
Base	-7599		CIM2 Min	-0.6666	-0.0709	-0.446	-0.044	-0.0679	-0.0003
Base	-7599		CIM3 Max	0.7161	0.7406	5.7596	0.6066	0.0325	0.0024
Base	-7599		CIM3 Min	-0.1404	-0.7556	1.5959	-0.5932	-0.0113	-0.0024
Base	-7599		CIM4 Max	1.0671	0.0376	7.3429	0.0472	0.066	0.0003
Base	-7599		CIM4 Min	-0.3661	-0.0574	1.1571	-0.0269	-0.0516	-0.0002
Base	-7599		CIM5 Max	0.6724	0.5514	5.6115	0.4591	0.0235	0.0019
Base	-7599		CIM5 Min	0.0265	-0.5709	2.6586	-0.4409	-0.0093	-0.0018
Base	-7599		CIM6 Max	1.1266	0.059	6.3306	0.0546	0.0649	0.0003
Base	-7599		CIM6 Min	-0.7622	-0.0679	-1.9171	-0.0467	-0.0721	-0.0003
Base	-7599		CIM7 Max	0.6026	0.7436	4.2666	0.6041	0.0263	0.0024

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	7599		CIM7 Min	-0.256	-0.7526	0.1245	-0.596	-0.0155	-0.0024
Base	7608		PP	4.391E-05	2.002E-05	1.9439	-1.912E-05	-6.707E-06	0
Base	7608		CA	0.0001	-9.452E-06	0.899	5.763E-06	2.665E-06	0
Base	7608		CV	0.0007	1.001E-05	1.1	-1.344E-05	0.0001	0
Base	7608		SX Max	0.259	0.0232	0.0012	0.016	0.0232	5.066E-07
Base	7608		SY Max	0.0129	0.6964	0.0003	0.4936	0.0012	1.366E-05
Base	7608		CIM1	0.0006	2.057E-05	3.9426	-2.66E-05	0.0001	0
Base	7608		CIM2 Max	0.2261	0.0204	2.8439	0.014	0.0205	0
Base	7608		CIM2 Min	-0.2276	-0.0204	2.8416	-0.0141	-0.0205	0
Base	7608		CIM3 Max	0.0115	0.6146	2.8431	0.4345	0.001	1.219E-05
Base	7608		CIM3 Min	-0.0112	-0.6146	2.8426	-0.4345	-0.001	-1.22E-05
Base	7608		CIM4 Max	0.1716	0.0153	3.6666	0.0105	0.0154	0
Base	7608		CIM4 Min	-0.1703	-0.0153	3.667	-0.0106	-0.0153	0
Base	7608		CIM5 Max	0.0092	0.461	3.666	0.3259	0.0009	9.142E-06
Base	7608		CIM5 Min	-0.0076	-0.4609	3.6676	-0.3259	-0.0007	-9.157E-06
Base	7608		CIM6 Max	0.226	0.0204	1.7066	0.014	0.0205	0
Base	7608		CIM6 Min	-0.2279	-0.0204	1.7046	-0.0141	-0.0205	0
Base	7608		CIM7 Max	0.0114	0.6146	1.706	0.4345	0.001	1.22E-05
Base	7608		CIM7 Min	-0.0112	-0.6146	1.7054	-0.4345	-0.001	-1.22E-05
Base	7621		PP	-0.1357	0.0117	2.9875	-0.0064	-0.0112	0.0001
Base	7621		CA	-0.2456	0.0035	0.5662	-0.0016	-0.0245	2.722E-05
Base	7621		CV	-0.4519	0.0039	0.6051	-0.0017	-0.045	3.765E-05
Base	7621		SX Max	0.9264	0.2126	0.9664	0.1712	0.0747	0.0005
Base	7621		SY Max	0.4563	0.1069	3.9649	0.2229	0.0149	0.0004
Base	7621		CIM1	-0.5332	0.0192	4.3766	-0.0097	-0.0507	0.0002
Base	7621		CIM2 Max	0.4357	0.2023	4.4435	0.1427	0.03	0.0005
Base	7621		CIM2 Min	-1.1963	-0.1719	2.7039	-0.1567	-0.1014	-0.0003
Base	7621		CIM3 Max	0.0202	0.1797	7.0628	0.1661	-0.0226	0.0004
Base	7621		CIM3 Min	-0.7626	-0.1493	0.0646	-0.2042	-0.0466	-0.0002
Base	7621		CIM4 Max	-0.1075	0.1565	4.8299	0.1037	-0.0202	0.0005
Base	7621		CIM4 Min	-1.3329	-0.1222	3.5252	-0.1223	-0.1167	-0.0002
Base	7621		CIM5 Max	-0.4191	0.1415	6.7944	0.1376	-0.0596	0.0004
Base	7621		CIM5 Min	-1.0213	-0.1052	1.5607	-0.1564	-0.0793	-0.0001
Base	7621		CIM6 Max	0.5662	0.1962	3.014	0.1459	0.0443	0.0005
Base	7621		CIM6 Min	-1.0457	-0.176	1.2744	-0.1555	-0.0571	-0.0003
Base	7621		CIM7 Max	0.1727	0.1736	5.6334	0.1913	-0.0063	0.0004
Base	7621		CIM7 Min	-0.6303	-0.1554	-1.3449	-0.201	-0.0345	-0.0002
Base	7626		PP	0.1166	0.0011	2.932	-0.0022	0.0066	-4.706E-05
Base	7626		CA	-0.0732	0.0015	0.5439	-0.0012	0.0065	-5.09E-06
Base	7626		CV	-0.1554	0.0015	0.7221	-0.0012	0.0108	-5.592E-06
Base	7626		SX Max	0.5675	0.4139	3.722	0.3347	0.0767	0.0015
Base	7626		SY Max	0.5206	0.6029	3.2417	0.4944	0.0258	0.0026
Base	7626		CIM1	-0.1095	0.0042	4.195	-0.0046	0.0261	-0.0001
Base	7626		CIM2 Max	0.5266	0.3669	6.7513	0.2912	0.0629	0.0012
Base	7626		CIM2 Min	-0.7354	-0.3616	0.2005	-0.2979	-0.0522	-0.0013

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7626		CIM3 Max	0.5039	0.5332	6.3266	0.4317	0.0351	0.0022
Base	-7626		CIM3 Min	-0.4127	-0.5279	0.6233	-0.4365	-0.0074	-0.0023
Base	-7626		CIM4 Max	0.5146	0.277	6.474	0.2166	0.0741	0.0009
Base	-7626		CIM4 Min	-0.6567	-0.2694	1.5609	-0.2252	-0.0272	-0.001
Base	-7626		CIM5 Max	0.2726	0.4017	6.157	0.322	0.0405	0.0017
Base	-7626		CIM5 Min	-0.4147	-0.3941	1.676	-0.3307	0.0064	-0.0016
Base	-7626		CIM6 Max	0.5063	0.3659	5.3609	0.2925	0.0767	0.0013
Base	-7626		CIM6 Min	-0.7536	-0.3627	-1.1698	-0.2966	-0.0563	-0.0013
Base	-7626		CIM7 Max	0.4657	0.5321	4.9362	0.4331	0.0319	0.0023
Base	-7626		CIM7 Min	-0.431	-0.5289	-0.7671	-0.4371	-0.0135	-0.0023
Base	-7635		PP	0.4476	-0.0073	3.1356	0.0031	0.0246	0.0001
Base	-7635		CA	0.0454	-0.0004	0.1629	0.0001	0.0025	7.17E-06
Base	-7635		CV	0.1066	-0.0011	0.4722	0.0005	0.0057	1.741E-05
Base	-7635		SX Max	2.4676	0.107	5.1665	0.0574	0.157	0.001
Base	-7635		SY Max	0.2961	0.4015	0.6653	0.2045	0.0145	0.001
Base	-7635		CIM1	0.6001	-0.0066	3.7906	0.0036	0.0326	0.0001
Base	-7635		CIM2 Max	2.6646	0.0665	7.6123	0.0536	0.1653	0.001
Base	-7635		CIM2 Min	-1.6762	-0.1019	-1.1752	-0.0472	-0.1111	-0.0007
Base	-7635		CIM3 Max	0.7556	0.3456	3.904	0.1633	0.0396	0.001
Base	-7635		CIM3 Min	0.231	-0.361	2.7331	-0.1767	0.0144	-0.0007
Base	-7635		CIM4 Max	2.202	0.0621	7.043	0.0415	0.135	0.0006
Base	-7635		CIM4 Min	-1.0553	-0.0792	0.3024	-0.0342	-0.0723	-0.0005
Base	-7635		CIM5 Max	0.7701	0.2565	4.1116	0.1387	0.0409	0.0006
Base	-7635		CIM5 Min	0.3767	-0.2735	3.2336	-0.1313	0.0216	-0.0005
Base	-7635		CIM6 Max	2.4675	0.0695	6.4649	0.0525	0.1544	0.0009
Base	-7635		CIM6 Min	-1.6755	-0.0956	-2.5026	-0.0465	-0.1219	-0.0006
Base	-7635		CIM7 Max	0.5563	0.3467	2.5766	0.162	0.029	0.0009
Base	-7635		CIM7 Min	0.0337	-0.3579	1.4057	-0.176	0.0035	-0.0006
Base	-7644		PP	0.2976	-0.0002	3.1493	0.0009	0.0139	-2.753E-05
Base	-7644		CA	0.0363	3.065E-05	0.1636	-2.007E-05	0.0019	-1.5E-06
Base	-7644		CV	0.0847	-0.0003	0.4547	0.0004	0.0042	-4.404E-06
Base	-7644		SX Max	2.4661	0.149	3.5203	0.0792	0.1416	0.0003
Base	-7644		SY Max	0.2702	0.4415	0.3914	0.2493	0.0131	0.0009
Base	-7644		CIM1	0.4207	-0.0005	3.8176	0.0012	0.02	-3.344E-05
Base	-7644		CIM2 Max	2.5255	0.131	6.4306	0.0705	0.1404	0.0003
Base	-7644		CIM2 Min	-1.6536	-0.1314	0.2351	-0.0668	-0.1066	-0.0003
Base	-7644		CIM3 Max	0.5737	0.3563	3.6774	0.2202	0.0273	0.0006
Base	-7644		CIM3 Min	0.0962	-0.3587	2.9665	-0.2165	0.0043	-0.0006
Base	-7644		CIM4 Max	2.0416	0.098	6.0199	0.0534	0.1124	0.0002
Base	-7644		CIM4 Min	-1.2427	-0.0966	1.3731	-0.0511	-0.0745	-0.0002
Base	-7644		CIM5 Max	0.5776	0.291	3.9546	0.1657	0.0276	0.0006
Base	-7644		CIM5 Min	0.2211	-0.2916	3.4361	-0.1634	0.0103	-0.0006
Base	-7644		CIM6 Max	2.3911	0.131	5.0976	0.0702	0.1341	0.0003
Base	-7644		CIM6 Min	-1.9579	-0.1313	-1.0961	-0.0692	-0.1151	-0.0003
Base	-7644		CIM7 Max	0.4393	0.3564	2.3442	0.2199	0.021	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	7644		CIM7 Min	-0.0362	-0.3586	1.6553	-0.2169	-0.0021	-0.0006
Base	7649		PP	0.1901	0.0003	3.2307	4.235E-05	0.0105	-2.965E-06
Base	7649		CA	0.0309	0.0001	0.1921	-0.0001	0.0016	0
Base	7649		CV	0.0626	-0.0004	0.5107	0.0004	0.0034	-1.591E-06
Base	7649		SX Max	2.4023	0.0736	2.5066	0.0526	0.161	0.0007
Base	7649		SY Max	0.2364	0.1921	0.2569	0.1569	0.0136	0.0019
Base	7649		CIM1	0.2537	1.05E-05	3.9335	0.0003	0.0156	-4.573E-06
Base	7649		CIM2 Max	2.335	0.0652	5.6305	0.0464	0.1539	0.0007
Base	7649		CIM2 Min	-1.6931	-0.0643	1.2151	-0.0466	-0.1295	-0.0007
Base	7649		CIM3 Max	0.4307	0.1695	3.6506	0.136	0.0244	0.0016
Base	7649		CIM3 Min	0.0112	-0.1686	3.195	-0.1361	0.0001	-0.0016
Base	7649		CIM4 Max	1.6536	0.0467	5.4616	0.0351	0.1211	0.0005
Base	7649		CIM4 Min	-1.3175	-0.0465	2.1501	-0.0346	-0.0915	-0.0005
Base	7649		CIM5 Max	0.4253	0.1269	3.9767	0.1038	0.0239	0.0012
Base	7649		CIM5 Min	0.1107	-0.1267	3.635	-0.1033	0.0057	-0.0012
Base	7649		CIM6 Max	2.2466	0.0651	4.2614	0.0465	0.149	0.0007
Base	7649		CIM6 Min	-1.9615	-0.0645	-0.154	-0.0465	-0.1344	-0.0007
Base	7649		CIM7 Max	0.3423	0.1693	2.2615	0.136	0.0195	0.0016
Base	7649		CIM7 Min	-0.0772	-0.1686	1.6259	-0.1361	-0.0046	-0.0016
Base	7658		PP	0.054	0.0002	3.3624	-0.0002	0.0032	-7.121E-07
Base	7658		CA	0.0263	0.0001	0.2171	-0.0001	0.0015	0
Base	7658		CV	0.0522	-0.0005	0.5666	0.0004	0.0026	1.22E-06
Base	7658		SX Max	2.7294	0.0091	1.1151	0.0114	0.1755	0.0001
Base	7658		SY Max	0.1679	0.1361	0.1254	0.1947	0.0115	0.0014
Base	7658		CIM1	0.1325	-0.0002	4.1663	0.0001	0.0075	0
Base	7658		CIM2 Max	2.4622	0.0063	4.5606	0.0097	0.1592	0.0001
Base	7658		CIM2 Min	-2.3215	-0.0077	2.5962	-0.0103	-0.1497	-0.0001
Base	7658		CIM3 Max	0.2457	0.1216	3.6899	0.171	0.0146	0.0012
Base	7658		CIM3 Min	-0.0651	-0.1212	3.4691	-0.1716	-0.0054	-0.0012
Base	7658		CIM4 Max	1.9206	0.0059	4.7556	0.0075	0.1227	0.0001
Base	7658		CIM4 Min	-1.6819	-0.0061	3.2637	-0.0075	-0.109	-0.0001
Base	7658		CIM5 Max	0.2435	0.0911	4.1024	0.1264	0.0144	0.0009
Base	7658		CIM5 Min	-0.0046	-0.0912	3.9369	-0.1265	-0.0007	-0.0009
Base	7658		CIM6 Max	2.45	0.0062	3.129	0.0096	0.1573	0.0001
Base	7658		CIM6 Min	-2.3537	-0.0076	1.1664	-0.0102	-0.1516	-0.0001
Base	7658		CIM7 Max	0.2136	0.1217	2.2561	0.1711	0.0129	0.0012
Base	7658		CIM7 Min	-0.1172	-0.1214	2.0373	-0.1715	-0.0073	-0.0012
Base	7663		PP	0.0359	0.0001	3.3569	-0.0002	0.0018	0
Base	7663		CA	0.0247	0.0001	0.2293	-0.0001	0.0012	0
Base	7663		CV	0.0464	-0.0002	0.6269	0.0002	0.0021	0
Base	7663		SX Max	2.955	0.0261	0.7345	0.023	0.1596	0.0001
Base	7663		SY Max	0.1644	0.5362	0.0962	0.4486	0.0095	0.001
Base	7663		CIM1	0.107	-2.557E-05	4.2131	-4.074E-05	0.0051	0
Base	7663		CIM2 Max	2.6611	0.0249	4.2326	0.02	0.1435	0.0001
Base	7663		CIM2 Min	-2.5396	-0.0245	2.9396	-0.0205	-0.1375	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7663		CIM3 Max	0.2229	0.472	3.6726	0.3945	0.0114	0.0009
Base	-7663		CIM3 Min	-0.1016	-0.4717	3.4996	-0.395	-0.0054	-0.0009
Base	-7663		CIM4 Max	2.0456	0.0166	4.5413	0.0151	0.1099	3.93E-05
Base	-7663		CIM4 Min	-1.6549	-0.0165	3.5714	-0.0153	-0.1006	-3.856E-05
Base	-7663		CIM5 Max	0.2171	0.3539	4.1212	0.296	0.0108	0.0007
Base	-7663		CIM5 Min	-0.0262	-0.3539	3.9915	-0.2962	-0.0017	-0.0007
Base	-7663		CIM6 Max	2.6366	0.0246	2.7963	0.0201	0.1423	0.0001
Base	-7663		CIM6 Min	-2.564	-0.0246	1.5051	-0.0204	-0.1387	-0.0001
Base	-7663		CIM7 Max	0.1966	0.472	2.2351	0.3946	0.0102	0.0009
Base	-7663		CIM7 Min	-0.1259	-0.4717	2.0653	-0.3949	-0.0066	-0.0009
Base	-7668		PP	0.0207	0.0001	3.3595	-0.0001	0.0011	0
Base	-7668		CA	0.0207	0.0001	0.2399	-0.0001	0.001	0
Base	-7668		CV	0.0336	-0.0001	0.6607	0.0001	0.0016	0
Base	-7668		SX Max	3.0508	0.0465	0.4531	0.0361	0.1697	0.0001
Base	-7668		SY Max	0.1755	0.9036	0.0755	0.7052	0.0095	0.0007
Base	-7668		CIM1	0.0752	0.0001	4.2601	-0.0001	0.0037	0
Base	-7668		CIM2 Max	2.7261	0.0411	4.0246	0.0316	0.1515	0.0001
Base	-7668		CIM2 Min	-2.6433	-0.0406	3.1742	-0.032	-0.1473	-0.0001
Base	-7668		CIM3 Max	0.1958	0.7953	3.6656	0.6203	0.0105	0.0006
Base	-7668		CIM3 Min	-0.113	-0.795	3.533	-0.6206	-0.0062	-0.0006
Base	-7668		CIM4 Max	2.0603	0.0306	4.4136	0.0237	0.1153	3.661E-05
Base	-7668		CIM4 Min	-1.9466	-0.0306	3.7761	-0.024	-0.1087	-3.891E-05
Base	-7668		CIM5 Max	0.1626	0.5965	4.1446	0.4653	0.0096	0.0005
Base	-7668		CIM5 Min	-0.049	-0.5963	4.0451	-0.4656	-0.003	-0.0005
Base	-7668		CIM6 Max	2.7096	0.041	2.5648	0.0316	0.1506	0.0001
Base	-7668		CIM6 Min	-2.6599	-0.0409	1.7345	-0.0319	-0.1461	-0.0001
Base	-7668		CIM7 Max	0.1792	0.7953	2.2261	0.6204	0.0096	0.0006
Base	-7668		CIM7 Min	-0.1296	-0.7951	2.0932	-0.6207	-0.0071	-0.0006
Base	-7673		PP	0.0104	0.0001	3.3606	-0.0001	0.0005	0
Base	-7673		CA	0.0157	4.112E-05	0.2467	-0.0001	0.0008	0
Base	-7673		CV	0.0179	2.212E-06	0.6823	2.565E-05	0.0006	0
Base	-7673		SX Max	3.103	0.0603	0.2437	0.046	0.1709	3.116E-05
Base	-7673		SY Max	0.1676	1.1569	0.0634	0.8553	0.009	0.0006
Base	-7673		CIM1	0.044	0.0001	4.2696	-0.0001	0.0021	0
Base	-7673		CIM2 Max	2.7567	0.0532	3.8217	0.0403	0.1516	2.736E-05
Base	-7673		CIM2 Min	-2.7045	-0.053	3.3829	-0.0406	-0.1491	-2.75E-05
Base	-7673		CIM3 Max	0.1735	1.0199	3.6631	0.7815	0.0093	0.0005
Base	-7673		CIM3 Min	-0.1214	-1.0197	3.5515	-0.7819	-0.0066	-0.0005
Base	-7673		CIM4 Max	2.0675	0.0399	4.2796	0.0302	0.1146	2.043E-05
Base	-7673		CIM4 Min	-2.0064	-0.0397	3.9562	-0.0305	-0.1109	-2.073E-05
Base	-7673		CIM5 Max	0.1501	0.7649	4.1609	0.5861	0.0079	0.0004
Base	-7673		CIM5 Min	-0.0711	-0.7646	4.0771	-0.5864	-0.004	-0.0004
Base	-7673		CIM6 Max	2.7462	0.0532	2.3766	0.0404	0.1512	2.741E-05
Base	-7673		CIM6 Min	-2.715	-0.053	1.95	-0.0406	-0.1496	-2.746E-05
Base	-7673		CIM7 Max	0.1631	1.0199	2.2202	0.7816	0.0086	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7673		CIM7 Min	-0.1319	-1.0197	2.1066	-0.7816	-0.0072	-0.0005
Base	-7678		PP	0.0026	4.299E-05	3.3613	-0.0001	0.0001	0
Base	-7678		CA	0.0102	2.708E-05	0.2493	-0.0001	0.0005	0
Base	-7678		CV	0.0006	1.423E-05	0.6904	6.004E-06	2.117E-05	0
Base	-7678		SX Max	3.1212	0.067	0.0247	0.0507	0.1723	0.0001
Base	-7678		SY Max	0.1604	1.2544	0.0567	0.9554	0.0057	2.191E-05
Base	-7678		CIM1	0.0134	0.0001	4.3009	-0.0001	0.0007	0
Base	-7678		CIM2 Max	2.7594	0.059	3.6323	0.0445	0.1523	0.0001
Base	-7678		CIM2 Min	-2.7339	-0.0569	3.5569	-0.0446	-0.1509	-0.0001
Base	-7678		CIM3 Max	0.1539	1.104	3.6623	0.6406	0.0064	1.929E-05
Base	-7678		CIM3 Min	-0.1264	-1.1036	3.5569	-0.6409	-0.007	-1.927E-05
Base	-7678		CIM4 Max	2.0732	0.0443	4.1446	0.0333	0.1144	4.091E-05
Base	-7678		CIM4 Min	-2.0466	-0.0441	4.1121	-0.0336	-0.113	-4.069E-05
Base	-7678		CIM5 Max	0.1191	0.826	4.1671	0.6305	0.0065	1.447E-05
Base	-7678		CIM5 Min	-0.0926	-0.8276	4.0896	-0.6307	-0.0051	-1.445E-05
Base	-7678		CIM6 Max	2.7543	0.059	2.1661	0.0445	0.152	0.0001
Base	-7678		CIM6 Min	-2.739	-0.0569	2.1446	-0.0447	-0.1512	-0.0001
Base	-7678		CIM7 Max	0.1466	1.1039	2.216	0.6407	0.0061	1.926E-05
Base	-7678		CIM7 Min	-0.1335	-1.1039	2.1147	-0.6409	-0.0073	-1.927E-05
Base	-7683		PP	-0.005	4.756E-05	3.3618	-0.0001	-0.0002	0
Base	-7683		CA	0.0047	2.17E-05	0.2475	-4.745E-05	0.0003	0
Base	-7683		CV	-0.0165	-7.242E-06	0.6846	3.741E-05	-0.0006	0
Base	-7683		SX Max	3.1076	0.0667	0.1924	0.0495	0.1712	4.679E-05
Base	-7683		SY Max	0.1533	1.1618	0.0606	0.8696	0.0054	0.0006
Base	-7683		CIM1	-0.0167	0.0001	4.2939	-0.0001	-0.0007	0
Base	-7683		CIM2 Max	2.7344	0.0586	3.7766	0.0434	0.1507	4.125E-05
Base	-7683		CIM2 Min	-2.7349	-0.0586	3.44	-0.0437	-0.1506	-4.111E-05
Base	-7683		CIM3 Max	0.1347	1.0224	3.6627	0.7629	0.0074	0.0005
Base	-7683		CIM3 Min	-0.1352	-1.0223	3.556	-0.7632	-0.0073	-0.0005
Base	-7683		CIM4 Max	2.0364	0.0441	4.2497	0.0325	0.1124	3.104E-05
Base	-7683		CIM4 Min	-2.0636	-0.044	3.9856	-0.0328	-0.1135	-3.072E-05
Base	-7683		CIM5 Max	0.0586	0.7668	4.1628	0.5872	0.005	0.0004
Base	-7683		CIM5 Min	-0.1136	-0.7667	4.0627	-0.5874	-0.0061	-0.0004
Base	-7683		CIM6 Max	2.7345	0.0586	2.3349	0.0435	0.1506	4.122E-05
Base	-7683		CIM6 Min	-2.7348	-0.0587	1.9963	-0.0436	-0.1506	-4.114E-05
Base	-7683		CIM7 Max	0.1346	1.0224	2.2169	0.763	0.0074	0.0005
Base	-7683		CIM7 Min	-0.1351	-1.0223	2.1122	-0.7631	-0.0074	-0.0005
Base	-7688		PP	-0.0144	0.0001	3.3621	-0.0001	-0.0007	0
Base	-7688		CA	-0.0002	1.638E-05	0.2417	-3.665E-05	0.0001	0
Base	-7688		CV	-0.0316	-0.0001	0.6655	0.0001	-0.0015	0
Base	-7688		SX Max	3.06	0.0555	0.4256	0.041	0.1702	4.34E-05
Base	-7688		SY Max	0.1456	0.9066	0.0689	0.7075	0.0051	0.0007
Base	-7688		CIM1	-0.0464	7.965E-07	4.2694	-2.753E-05	-0.0022	0
Base	-7688		CIM2 Max	2.6782	0.0469	3.9766	0.036	0.1491	3.626E-05
Base	-7688		CIM2 Min	-2.7074	-0.0467	3.2292	-0.0363	-0.1504	-3.613E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7688		CIM3 Max	0.1135	0.7997	3.6645	0.6225	0.0064	0.0006
Base	-7688		CIM3 Min	-0.1426	-0.7995	3.5432	-0.6226	-0.0076	-0.0006
Base	-7688		CIM4 Max	1.9511	0.0366	4.3841	0.027	0.1105	2.668E-05
Base	-7688		CIM4 Min	-2.0561	-0.0366	3.822	-0.0271	-0.1141	-2.861E-05
Base	-7688		CIM5 Max	0.0577	0.5997	4.1465	0.4669	0.0035	0.0004
Base	-7688		CIM5 Min	-0.1346	-0.5997	4.0575	-0.467	-0.0072	-0.0004
Base	-7688		CIM6 Max	2.684	0.0469	2.537	0.036	0.1493	3.623E-05
Base	-7688		CIM6 Min	-2.7016	-0.0466	1.7676	-0.0362	-0.1502	-3.616E-05
Base	-7688		CIM7 Max	0.1194	0.7996	2.223	0.6225	0.0067	0.0006
Base	-7688		CIM7 Min	-0.1369	-0.7995	2.1017	-0.6227	-0.0075	-0.0006
Base	-7693		PP	-0.0262	0.0001	3.3617	-0.0001	-0.0014	0
Base	-7693		CA	-0.0041	6.997E-06	0.2325	-2.706E-05	-0.0001	0
Base	-7693		CV	-0.0435	-0.0002	0.6347	0.0003	-0.002	0
Base	-7693		SX Max	2.9653	0.033	0.6669	0.0264	0.1602	0.0001
Base	-7693		SY Max	0.1364	0.5396	0.0836	0.45	0.0074	0.001
Base	-7693		CIM1	-0.0758	-0.0001	4.2269	0.0001	-0.0035	-5.066E-07
Base	-7693		CIM2 Max	2.5796	0.0291	4.1611	0.0231	0.1395	0.0001
Base	-7693		CIM2 Min	-2.6444	-0.0289	3.0072	-0.0234	-0.1425	-0.0001
Base	-7693		CIM3 Max	0.0677	0.4751	3.6677	0.3956	0.005	0.0009
Base	-7693		CIM3 Min	-0.1523	-0.4749	3.5206	-0.3961	-0.008	-0.0009
Base	-7693		CIM4 Max	1.8942	0.0217	4.5104	0.0175	0.1027	4.925E-05
Base	-7693		CIM4 Min	-2.024	-0.0216	3.63	-0.0174	-0.1086	-0.0001
Base	-7693		CIM5 Max	0.0251	0.3562	4.1254	0.297	0.0019	0.0007
Base	-7693		CIM5 Min	-0.1549	-0.3563	4.015	-0.2969	-0.0079	-0.0007
Base	-7693		CIM6 Max	2.5927	0.0291	2.7434	0.0232	0.1401	0.0001
Base	-7693		CIM6 Min	-2.6315	-0.029	1.5696	-0.0233	-0.1419	-0.0001
Base	-7693		CIM7 Max	0.1006	0.4751	2.2301	0.3959	0.0056	0.0009
Base	-7693		CIM7 Min	-0.1394	-0.4749	2.0829	-0.3961	-0.0074	-0.0009
Base	-7698		PP	-0.0446	0.0002	3.3692	-0.0002	-0.0027	5.905E-07
Base	-7698		CA	-0.0064	-9.469E-06	0.2213	-1.403E-05	-0.0003	0
Base	-7698		CV	-0.0452	-0.0005	0.5963	0.0004	-0.0026	-1.291E-06
Base	-7698		SX Max	2.7464	0.0063	1.0307	0.0118	0.1764	0.0001
Base	-7698		SY Max	0.122	0.1352	0.1076	0.1934	0.0079	0.0014
Base	-7698		CIM1	-0.0992	-0.0004	4.1666	0.0002	-0.0056	-7.225E-07
Base	-7698		CIM2 Max	2.3656	0.0075	4.4975	0.0103	0.1523	0.0001
Base	-7698		CIM2 Min	-2.4679	-0.0072	2.6535	-0.0106	-0.1561	-0.0001
Base	-7698		CIM3 Max	0.0563	0.1216	3.6654	0.17	0.004	0.0012
Base	-7698		CIM3 Min	-0.1565	-0.1215	3.4956	-0.1703	-0.0099	-0.0012
Base	-7698		CIM4 Max	1.7254	0.0053	4.7195	0.006	0.1115	0.0001
Base	-7698		CIM4 Min	-1.8896	-0.0057	3.359	-0.0077	-0.1213	-0.0001
Base	-7698		CIM5 Max	-0.0066	0.091	4.1104	0.1276	0.0003	0.0009
Base	-7698		CIM5 Min	-0.1677	-0.0915	3.9681	-0.1275	-0.0101	-0.0009
Base	-7698		CIM6 Max	2.3562	0.0074	3.0613	0.0103	0.1534	0.0001
Base	-7698		CIM6 Min	-2.4475	-0.0072	1.2473	-0.0105	-0.157	-0.0001
Base	-7698		CIM7 Max	0.0766	0.1217	2.2492	0.1701	0.0052	0.0012

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7698		CIM7 Min	-0.136	-0.1215	2.0594	-0.1703	-0.0067	-0.0012
Base	-7707		PP	-0.1323	0.0003	2.7465	-2.177E-05	-0.0076	1.121E-06
Base	-7707		CA	-0.0067	-5.047E-06	0.1677	-5.636E-07	-0.0004	0
Base	-7707		CV	-0.0443	-0.0004	0.4526	0.0004	-0.0026	1.005E-06
Base	-7707		SX Max	2.0306	0.0439	1.6795	0.0391	0.1406	0.0005
Base	-7707		SY Max	0.0922	0.12	0.1639	0.1226	0.0063	0.0012
Base	-7707		CIM1	-0.1653	-0.0002	3.3669	0.0004	-0.0106	2.253E-06
Base	-7707		CIM2 Max	1.646	0.0369	4.5702	0.0344	0.1156	0.0004
Base	-7707		CIM2 Min	-1.9279	-0.0383	1.2623	-0.0345	-0.1316	-0.0004
Base	-7707		CIM3 Max	-0.0599	0.1059	3.0761	0.1076	-0.0025	0.0011
Base	-7707		CIM3 Min	-0.2221	-0.1053	2.7544	-0.1079	-0.0135	-0.0011
Base	-7707		CIM4 Max	1.166	0.0269	4.4962	0.0261	0.0829	0.0003
Base	-7707		CIM4 Min	-1.5144	-0.029	2.0152	-0.0256	-0.1026	-0.0003
Base	-7707		CIM5 Max	-0.1134	0.0791	3.3771	0.0811	-0.0056	0.0006
Base	-7707		CIM5 Min	-0.2351	-0.0793	3.1343	-0.0806	-0.0141	-0.0006
Base	-7707		CIM6 Max	1.7024	0.0366	3.4037	0.0344	0.119	0.0004
Base	-7707		CIM6 Min	-1.8715	-0.0385	0.9956	-0.0344	-0.1256	-0.0004
Base	-7707		CIM7 Max	-0.0035	0.1056	1.9116	0.1076	0.0007	0.0011
Base	-7707		CIM7 Min	-0.1657	-0.1054	1.5879	-0.1079	-0.0103	-0.0011
Base	-7712		PP	-0.1926	0.0001	2.7013	0.0003	-0.0097	4.214E-06
Base	-7712		CA	-0.0131	-2.274E-06	0.1623	1.146E-05	-0.0006	0
Base	-7712		CV	-0.0574	-0.0003	0.4414	0.0003	-0.0029	1.075E-06
Base	-7712		SX Max	2.1113	0.1196	2.5496	0.0675	0.1236	0.0002
Base	-7712		SY Max	0.1041	0.3569	0.2647	0.2201	0.0059	0.0006
Base	-7712		CIM1	-0.2631	-0.0002	3.305	0.0006	-0.0133	5.583E-06
Base	-7712		CIM2 Max	1.6523	0.1055	5.1074	0.0597	0.0964	0.0002
Base	-7712		CIM2 Min	-2.0637	-0.1054	0.6196	-0.0591	-0.1191	-0.0002
Base	-7712		CIM3 Max	-0.1141	0.3142	3.0966	0.194	-0.0052	0.0007
Base	-7712		CIM3 Min	-0.2972	-0.314	2.6306	-0.1934	-0.0156	-0.0007
Base	-7712		CIM4 Max	1.1447	0.079	4.6775	0.0451	0.069	0.0002
Base	-7712		CIM4 Min	-1.6422	-0.0792	1.5116	-0.044	-0.0941	-0.0002
Base	-7712		CIM5 Max	-0.1601	0.2354	3.3694	0.1456	-0.0056	0.0005
Base	-7712		CIM5 Min	-0.3174	-0.2357	3.0199	-0.1447	-0.0164	-0.0005
Base	-7712		CIM6 Max	1.7346	0.1055	3.962	0.0596	0.1026	0.0002
Base	-7712		CIM6 Min	-1.9614	-0.1054	-0.5256	-0.0592	-0.115	-0.0002
Base	-7712		CIM7 Max	-0.0316	0.3141	1.9511	0.1939	-0.001	0.0007
Base	-7712		CIM7 Min	-0.215	-0.3141	1.4652	-0.1935	-0.0114	-0.0007
Base	-7717		PP	-0.2661	-0.0006	2.6469	0.0012	-0.0146	1.846E-05
Base	-7717		CA	-0.0201	-4.493E-05	0.1554	0.0001	-0.001	1.022E-06
Base	-7717		CV	-0.0771	-0.0002	0.4254	0.0003	-0.0042	2.84E-06
Base	-7717		SX Max	2.1247	0.1254	3.2735	0.0695	0.1306	0.0003
Base	-7717		SY Max	0.1204	0.4454	0.3635	0.2506	0.0068	0.0004
Base	-7717		CIM1	-0.3633	-0.0011	3.2277	0.0015	-0.02	2.233E-05
Base	-7717		CIM2 Max	1.5635	0.1095	5.6529	0.0624	0.0991	0.0003
Base	-7717		CIM2 Min	-2.1759	-0.1112	-0.0764	-0.06	-0.1306	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7717		CIM3 Max	-0.2003	0.3911	3.1396	0.2216	-0.0099	0.0003
Base	-7717		CIM3 Min	-0.4122	-0.3926	2.4646	-0.2193	-0.0216	-0.0003
Base	-7717		CIM4 Max	1.0353	0.0617	5.2616	0.0474	0.0673	0.0002
Base	-7717		CIM4 Min	-1.7663	-0.0536	0.9606	-0.0444	-0.1052	-0.0002
Base	-7717		CIM5 Max	-0.2846	0.2929	3.3745	0.1669	-0.0145	0.0003
Base	-7717		CIM5 Min	-0.4435	-0.295	2.6662	-0.1639	-0.0234	-0.0002
Base	-7717		CIM6 Max	1.686	0.1096	4.562	0.0619	0.1055	0.0003
Base	-7717		CIM6 Min	-2.0535	-0.1109	-1.1993	-0.0604	-0.1245	-0.0003
Base	-7717		CIM7 Max	-0.0776	0.3914	2.0166	0.2213	-0.0035	0.0003
Base	-7717		CIM7 Min	-0.2897	-0.3925	1.3439	-0.2196	-0.0155	-0.0003
Base	-7722		PP	-0.3961	-0.0079	2.664	0.0031	-0.0226	-0.0001
Base	-7722		CA	-0.0274	-0.0004	0.1526	0.0002	-0.0015	-5.103E-06
Base	-7722		CV	-0.0951	-0.0012	0.4246	0.0005	-0.0054	-1.475E-05
Base	-7722		SX Max	2.0959	0.0645	4.5709	0.0435	0.1374	0.0006
Base	-7722		SY Max	0.1589	0.329	0.6747	0.1736	0.0064	0.0006
Base	-7722		CIM1	-0.5165	-0.0095	3.2412	0.0036	-0.0295	-0.0001
Base	-7722		CIM2 Max	1.4209	0.066	6.6369	0.0416	0.0967	0.0004
Base	-7722		CIM2 Min	-2.2678	-0.0526	-1.2058	-0.035	-0.145	-0.0006
Base	-7722		CIM3 Max	-0.2537	0.2612	3.4103	0.1563	-0.0167	0.0005
Base	-7722		CIM3 Min	-0.5633	-0.2976	2.2226	-0.1497	-0.0316	-0.0007
Base	-7722		CIM4 Max	0.5665	0.0465	6.1516	0.0324	0.0625	0.0003
Base	-7722		CIM4 Min	-1.676	-0.065	0.1163	-0.0251	-0.1166	-0.0005
Base	-7722		CIM5 Max	-0.3699	0.2079	3.5604	0.1164	-0.0226	0.0003
Base	-7722		CIM5 Min	-0.5996	-0.2264	2.6897	-0.1111	-0.0336	-0.0005
Base	-7722		CIM6 Max	1.5903	0.0694	5.7123	0.0403	0.1064	0.0005
Base	-7722		CIM6 Min	-2.0964	-0.0793	-2.3324	-0.0363	-0.1354	-0.0006
Base	-7722		CIM7 Max	-0.1143	0.2646	2.2637	0.1549	-0.0071	0.0005
Base	-7722		CIM7 Min	-0.3939	-0.2945	1.0962	-0.151	-0.0219	-0.0006
Base	-7731		PP	0.0026	0.1745	1.6232	-0.01	0.0017	0.0001
Base	-7731		CA	-0.0076	-0.0163	0.2992	-0.0008	-0.0027	-3.032E-06
Base	-7731		CV	-0.004	0.0024	0.1632	-0.0011	-0.0015	-1.222E-06
Base	-7731		SX Max	0.1964	0.7052	2.0615	0.0325	0.1935	0.0007
Base	-7731		SY Max	0.0969	2.6326	2.6232	0.1756	0.0469	0.0004
Base	-7731		CIM1	-0.0069	0.1606	2.0655	-0.0119	-0.0025	4.722E-05
Base	-7731		CIM2 Max	0.166	0.7769	3.7365	0.0176	0.1693	0.0007
Base	-7731		CIM2 Min	-0.1777	-0.4623	0.1662	-0.0394	-0.1713	-0.0006
Base	-7731		CIM3 Max	0.0622	2.6511	4.2306	0.1437	0.0403	0.0004
Base	-7731		CIM3 Min	-0.0919	-2.3346	-0.3661	-0.1654	-0.0423	-0.0003
Base	-7731		CIM4 Max	0.1216	0.6255	3.4054	0.0096	0.1256	0.0005
Base	-7731		CIM4 Min	-0.1375	-0.3054	0.6641	-0.0331	-0.1286	-0.0004
Base	-7731		CIM5 Max	0.0574	2.0297	3.7761	0.1043	0.0269	0.0003
Base	-7731		CIM5 Min	-0.0731	-1.7096	0.3134	-0.1275	-0.0331	-0.0002
Base	-7731		CIM6 Max	0.1699	0.7156	2.9676	0.0221	0.1697	0.0007
Base	-7731		CIM6 Min	-0.1757	-0.5256	-0.6606	-0.0351	-0.1709	-0.0006
Base	-7731		CIM7 Max	0.0641	2.5676	3.4616	0.1461	0.0407	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7731		CIM7 Min	-0.0599	-2.3979	-1.155	-0.161	-0.0419	-0.0004
Base	-7741		PP	-0.0015	0.1122	1.6002	-0.0054	-0.0003	-3.005E-05
Base	-7741		CA	-0.0065	-0.0136	0.2169	0.0006	-0.0036	-4.259E-05
Base	-7741		CV	-0.0034	0.0042	0.1169	-0.0002	-0.002	-2.227E-05
Base	-7741		SX Max	0.4664	0.6056	1.1666	0.03	0.3917	0.001
Base	-7741		SY Max	0.1052	3.0496	1.3365	0.1771	0.0671	0.0004
Base	-7741		CIM1	-0.0114	0.1026	1.934	-0.0049	-0.0061	-0.0001
Base	-7741		CIM2 Max	0.4025	0.6315	2.6437	0.0217	0.3406	0.0006
Base	-7741		CIM2 Min	-0.4164	-0.4343	0.7904	-0.031	-0.3456	-0.0009
Base	-7741		CIM3 Max	0.0672	2.7623	2.995	0.1512	0.055	0.0002
Base	-7741		CIM3 Min	-0.1032	-2.5851	0.6392	-0.1605	-0.0631	-0.0004
Base	-7741		CIM4 Max	0.2973	0.5014	2.6746	0.015	0.2529	0.0006
Base	-7741		CIM4 Min	-0.3164	-0.2979	1.1346	-0.0246	-0.2641	-0.0007
Base	-7741		CIM5 Max	0.0606	2.1145	2.7662	0.1121	0.0357	0.0001
Base	-7741		CIM5 Min	-0.0619	-1.911	1.0213	-0.1217	-0.0499	-0.0003
Base	-7741		CIM6 Max	0.4057	0.5921	2.1169	0.0236	0.3422	0.0006
Base	-7741		CIM6 Min	-0.4152	-0.4736	0.0636	-0.0292	-0.3472	-0.0009
Base	-7741		CIM7 Max	0.0904	2.7426	2.2662	0.1531	0.0566	0.0003
Base	-7741		CIM7 Min	-0.1	-2.6245	-0.0677	-0.1567	-0.0615	-0.0004
Base	-7747		PP	-0.0007	0.0653	1.6136	-0.0035	-0.0004	-4.422E-06
Base	-7747		CA	-0.0027	-0.0042	0.1772	-0.0004	-0.0026	-6.609E-06
Base	-7747		CV	-0.0014	0.0093	0.0945	-0.0009	-0.0014	-3.477E-06
Base	-7747		SX Max	0.7072	0.5303	0.7513	0.0278	0.565	0.0005
Base	-7747		SY Max	0.112	3.1271	0.7279	0.1775	0.0703	0.0001
Base	-7747		CIM1	-0.0049	0.0703	1.6855	-0.0048	-0.0044	-1.451E-05
Base	-7747		CIM2 Max	0.6169	0.5277	2.4521	0.0205	0.4942	0.0004
Base	-7747		CIM2 Min	-0.6256	-0.4056	1.1296	-0.0264	-0.5002	-0.0004
Base	-7747		CIM3 Max	0.0951	2.8129	2.4315	0.1523	0.0569	0.0001
Base	-7747		CIM3 Min	-0.102	-2.6906	1.1504	-0.1602	-0.0649	-0.0001
Base	-7747		CIM4 Max	0.4622	0.416	2.3577	0.0136	0.3669	0.0003
Base	-7747		CIM4 Min	-0.4713	-0.262	1.366	-0.0229	-0.3769	-0.0003
Base	-7747		CIM5 Max	0.0694	2.1319	2.3423	0.1126	0.0424	0.0001
Base	-7747		CIM5 Min	-0.0764	-1.9959	1.3515	-0.1216	-0.0504	-0.0001
Base	-7747		CIM6 Max	0.6203	0.5033	1.7357	0.0221	0.4954	0.0004
Base	-7747		CIM6 Min	-0.6244	-0.43	0.4134	-0.0268	-0.499	-0.0004
Base	-7747		CIM7 Max	0.0964	2.7665	1.7151	0.1539	0.0601	0.0001
Base	-7747		CIM7 Min	-0.1006	-2.7152	0.434	-0.1566	-0.0637	-0.0001
Base	-7753		PP	-0.0003	0.0333	1.6166	-0.0017	-0.0002	0
Base	-7753		CA	-0.0006	0.001	0.1533	-2.324E-05	-0.0013	1.469E-06
Base	-7753		CV	-0.0005	0.012	0.0606	-0.0007	-0.0007	7.743E-07
Base	-7753		SX Max	0.6376	0.4627	0.5273	0.0252	0.6612	0.0003
Base	-7753		SY Max	0.0693	3.1764	0.3022	0.1602	0.0568	0.0002
Base	-7753		CIM1	-0.0016	0.0463	1.6527	-0.0023	-0.0023	2.197E-06
Base	-7753		CIM2 Max	0.7361	0.4415	2.236	0.0205	0.5603	0.0003
Base	-7753		CIM2 Min	-0.7384	-0.3726	1.3079	-0.0236	-0.5634	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7753		CIM3 Max	0.0775	2.6295	2.0376	0.1569	0.0502	0.0002
Base	-7753		CIM3 Min	-0.0797	-2.7609	1.506	-0.1603	-0.0533	-0.0002
Base	-7753		CIM4 Max	0.5515	0.3467	2.1606	0.0144	0.4343	0.0002
Base	-7753		CIM4 Min	-0.5544	-0.262	1.4645	-0.0166	-0.4365	-0.0002
Base	-7753		CIM5 Max	0.0575	2.1397	2.0319	0.1166	0.0367	0.0001
Base	-7753		CIM5 Min	-0.0604	-2.0531	1.6331	-0.1211	-0.0409	-0.0001
Base	-7753		CIM6 Max	0.7366	0.4276	1.5272	0.0211	0.561	0.0003
Base	-7753		CIM6 Min	-0.7379	-0.3566	0.5991	-0.0232	-0.5626	-0.0002
Base	-7753		CIM7 Max	0.0779	2.6156	1.3291	0.1576	0.0506	0.0002
Base	-7753		CIM7 Min	-0.0793	-2.7746	0.7973	-0.1596	-0.0526	-0.0002
Base	-7759		PP	-0.0001	0.0076	1.6163	-0.0005	-0.0001	5.943E-07
Base	-7759		CA	-0.0002	0.0092	0.1396	-0.0007	-0.0005	1.925E-06
Base	-7759		CV	-0.0001	0.0161	0.0723	-0.001	-0.0003	1.013E-06
Base	-7759		SX Max	0.6313	0.412	0.4366	0.0231	0.6566	0.0004
Base	-7759		SY Max	0.0765	3.164	0.0563	0.1765	0.0546	0.0002
Base	-7759		CIM1	-0.0003	0.0331	1.6302	-0.0023	-0.0009	3.532E-06
Base	-7759		CIM2 Max	0.7312	0.3796	2.144	0.019	0.5792	0.0003
Base	-7759		CIM2 Min	-0.7316	-0.3455	1.3716	-0.0215	-0.5804	-0.0003
Base	-7759		CIM3 Max	0.0671	2.6014	1.6075	0.1556	0.0476	0.0002
Base	-7759		CIM3 Min	-0.0676	-2.7673	1.7063	-0.1563	-0.0486	-0.0002
Base	-7759		CIM4 Max	0.5463	0.301	2.1017	0.0132	0.434	0.0003
Base	-7759		CIM4 Min	-0.5469	-0.2426	1.5225	-0.0172	-0.4357	-0.0003
Base	-7759		CIM5 Max	0.0502	2.1174	1.6493	0.1156	0.0353	0.0001
Base	-7759		CIM5 Min	-0.0506	-2.0591	1.7749	-0.1196	-0.037	-0.0001
Base	-7759		CIM6 Max	0.7313	0.3726	1.4406	0.0195	0.5794	0.0003
Base	-7759		CIM6 Min	-0.7317	-0.3523	0.6686	-0.021	-0.5801	-0.0003
Base	-7759		CIM7 Max	0.0672	2.7946	1.1043	0.1563	0.0479	0.0002
Base	-7759		CIM7 Min	-0.0675	-2.7741	1.0051	-0.1576	-0.0486	-0.0002
Base	-7765		PP	-2.425E-05	-0.0163	1.6126	0.0006	0.0001	2.266E-06
Base	-7765		CA	0.0001	0.0146	0.134	-0.0006	-0.0001	1.667E-06
Base	-7765		CV	2.469E-05	0.0165	0.0679	-0.001	-0.0001	5.671E-07
Base	-7765		SX Max	0.6996	0.3796	0.4674	0.0216	0.5614	0.0004
Base	-7765		SY Max	0.1093	3.1039	0.4397	0.1767	0.0722	0.0002
Base	-7765		CIM1	0.0001	0.015	1.6147	-0.001	-0.0001	4.802E-06
Base	-7765		CIM2 Max	0.6156	0.3305	2.1562	0.019	0.494	0.0004
Base	-7765		CIM2 Min	-0.6157	-0.3376	1.3355	-0.0189	-0.494	-0.0004
Base	-7765		CIM3 Max	0.0962	2.7279	2.1336	0.1555	0.0635	0.0002
Base	-7765		CIM3 Min	-0.0961	-2.735	1.3599	-0.1554	-0.0636	-0.0001
Base	-7765		CIM4 Max	0.4619	0.2609	2.1063	0.0135	0.3704	0.0003
Base	-7765		CIM4 Min	-0.4618	-0.2402	1.4592	-0.015	-0.3706	-0.0003
Base	-7765		CIM5 Max	0.0722	2.0569	2.066	0.1156	0.0476	0.0001
Base	-7765		CIM5 Min	-0.0721	-2.0362	1.5075	-0.1173	-0.0476	-0.0001
Base	-7765		CIM6 Max	0.6156	0.3319	1.4595	0.019	0.494	0.0004
Base	-7765		CIM6 Min	-0.6156	-0.3362	0.6367	-0.019	-0.494	-0.0004
Base	-7765		CIM7 Max	0.0962	2.7293	1.4351	0.1555	0.0636	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7765		CIM7 Min	-0.0961	-2.7336	0.6612	-0.1554	-0.0636	-0.0001
Base	-7771		PP	0.0002	-0.052	1.5999	0.0025	0.0005	1.602E-05
Base	-7771		CA	0.0002	0.0175	0.1341	-0.001	0.0002	3.668E-06
Base	-7771		CV	0.0001	0.0192	0.0657	-0.0011	0.0001	1.976E-06
Base	-7771		SX Max	0.4696	0.3663	0.63	0.0206	0.3909	0.0009
Base	-7771		SY Max	0.1354	2.975	0.9466	0.171	0.0622	0.0003
Base	-7771		CIM1	0.0004	-0.0153	1.7997	0.0003	0.0006	2.167E-05
Base	-7771		CIM2 Max	0.4136	0.2679	2.2664	0.0196	0.3447	0.0009
Base	-7771		CIM2 Min	-0.4129	-0.3569	1.1796	-0.0167	-0.3433	-0.0006
Base	-7771		CIM3 Max	0.1195	2.5635	2.567	0.152	0.073	0.0003
Base	-7771		CIM3 Min	-0.1166	-2.6525	0.901	-0.149	-0.0716	-0.0002
Base	-7771		CIM4 Max	0.3104	0.2217	2.1991	0.0142	0.2568	0.0006
Base	-7771		CIM4 Min	-0.3095	-0.2619	1.3674	-0.013	-0.2573	-0.0006
Base	-7771		CIM5 Max	0.0696	1.9434	2.405	0.1135	0.055	0.0002
Base	-7771		CIM5 Min	-0.069	-1.9536	1.1565	-0.1123	-0.0535	-0.0002
Base	-7771		CIM6 Max	0.4135	0.3017	1.5946	0.019	0.3444	0.0006
Base	-7771		CIM6 Min	-0.4131	-0.3431	0.466	-0.0172	-0.3436	-0.0006
Base	-7771		CIM7 Max	0.1194	2.5973	1.6734	0.1514	0.0726	0.0002
Base	-7771		CIM7 Min	-0.1169	-2.6387	0.2074	-0.1496	-0.0719	-0.0002
Base	-7777		PP	0.004	-0.0946	1.5874	0.0049	0.0016	-0.0001
Base	-7777		CA	0.0011	0.0179	0.1431	-0.0008	0.0006	-9.31E-06
Base	-7777		CV	0.0005	0.0165	0.0667	-0.001	0.0003	-4.447E-06
Base	-7777		SX Max	0.2003	0.3795	1.0679	0.0209	0.1929	0.0009
Base	-7777		SY Max	0.1249	2.7592	1.742	0.1657	0.0619	0.0003
Base	-7777		CIM1	0.0055	-0.0563	1.7972	0.003	0.0027	-0.0001
Base	-7777		CIM2 Max	0.1612	0.2573	2.6703	0.0224	0.1722	0.0006
Base	-7777		CIM2 Min	-0.1712	-0.4106	0.7907	-0.0144	-0.1674	-0.0009
Base	-7777		CIM3 Max	0.1149	2.3513	3.2634	0.1496	0.0566	0.0002
Base	-7777		CIM3 Min	-0.1049	-2.5046	0.1975	-0.1416	-0.052	-0.0003
Base	-7777		CIM4 Max	0.1376	0.1676	2.4654	0.0171	0.1299	0.0006
Base	-7777		CIM4 Min	-0.1266	-0.3134	1.0757	-0.0105	-0.1247	-0.0007
Base	-7777		CIM5 Max	0.0676	1.7552	2.9302	0.1126	0.0434	0.0001
Base	-7777		CIM5 Min	-0.077	-1.8539	0.6306	-0.1061	-0.0362	-0.0003
Base	-7777		CIM6 Max	0.1792	0.256	1.9761	0.0208	0.1712	0.0006
Base	-7777		CIM6 Min	-0.1732	-0.3601	0.0965	-0.016	-0.1683	-0.0009
Base	-7777		CIM7 Max	0.1129	2.362	2.5712	0.1482	0.0559	0.0002
Base	-7777		CIM7 Min	-0.1069	-2.4741	-0.4946	-0.1434	-0.053	-0.0003
Base	-7787		PP	0.0362	-0.0122	1.5636	0.0157	0.0024	8.841E-06
Base	-7787		CA	-0.0845	-0.0417	0.832	0.0534	-0.0016	2.964E-05
Base	-7787		CV	-0.0469	-0.0219	0.436	0.0281	-0.001	1.557E-05
Base	-7787		SX Max	2.7629	0.09	0.6216	0.062	0.1561	0.0001
Base	-7787		SY Max	0.0404	0.5449	0.0415	0.48	0.0023	0.0004
Base	-7787		CIM1	-0.0952	-0.0756	3.1335	0.0972	-0.0003	0.0001
Base	-7787		CIM2 Max	2.383	0.0254	3.2425	0.1237	0.1361	0.0002
Base	-7787		CIM2 Min	-2.4797	-0.1331	2.1485	0.0146	-0.1366	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7757		CIM3 Max	-0.0127	0.4257	2.7321	0.4916	0.0026	0.0004
Base	-7757		CIM3 Min	-0.0639	-0.5334	2.659	-0.3533	-0.0013	-0.0003
Base	-7757		CIM4 Max	1.74	-0.0109	3.4343	0.1311	0.103	0.0001
Base	-7757		CIM4 Min	-1.907	-0.1297	2.6136	0.0493	-0.103	-4.404E-05
Base	-7757		CIM5 Max	-0.0568	0.2694	3.0515	0.407	0.0015	0.0003
Base	-7757		CIM5 Min	-0.1102	-0.43	2.9966	-0.2266	-0.0015	-0.0002
Base	-7757		CIM6 Max	2.4023	0.0469	2.1643	0.096	0.1378	0.0001
Base	-7757		CIM6 Min	-2.4603	-0.1116	1.0703	-0.0131	-0.1369	-0.0001
Base	-7757		CIM7 Max	0.0066	0.4472	1.6539	0.4639	0.0025	0.0004
Base	-7757		CIM7 Min	-0.0646	-0.5119	1.5607	-0.3609	-0.0016	-0.0003
Base	-7797		PP	0.0302	-0.0116	1.6672	0.0155	0.0007	0
Base	-7797		CA	-0.0866	-0.0399	0.7734	0.052	-0.007	0
Base	-7797		CV	-0.0469	-0.021	0.4093	0.0273	-0.0036	0
Base	-7797		SX Max	2.9124	0.0941	0.3047	0.062	0.1635	0.0002
Base	-7797		SY Max	0.044	0.604	0.0369	0.5094	0.0024	0.0002
Base	-7797		CIM1	-0.1035	-0.0726	3.0499	0.0948	-0.0101	7.85E-07
Base	-7797		CIM2 Max	2.5063	0.0312	2.9067	0.122	0.1379	0.0001
Base	-7797		CIM2 Min	-2.6195	-0.1345	2.3725	0.0129	-0.1505	-0.0001
Base	-7797		CIM3 Max	-0.0179	0.4799	2.673	0.5157	-0.0042	0.0002
Base	-7797		CIM3 Min	-0.0953	-0.5832	2.6081	-0.3606	-0.0064	-0.0002
Base	-7797		CIM4 Max	1.6304	-0.0053	3.1466	0.1269	0.099	0.0001
Base	-7797		CIM4 Min	-2.014	-0.1295	2.7465	0.0471	-0.1173	-0.0001
Base	-7797		CIM5 Max	-0.0627	0.3313	2.9719	0.4241	-0.0075	0.0001
Base	-7797		CIM5 Min	-0.1206	-0.466	2.9232	-0.2462	-0.0107	-0.0001
Base	-7797		CIM6 Max	2.529	0.0516	1.6525	0.095	0.1404	0.0001
Base	-7797		CIM6 Min	-2.5869	-0.1136	1.3162	-0.014	-0.1479	-0.0001
Base	-7797		CIM7 Max	0.0048	0.5006	1.6166	0.4667	-0.0017	0.0002
Base	-7797		CIM7 Min	-0.0727	-0.5626	1.5519	-0.4077	-0.0059	-0.0002
Base	-7603		PP	0.0464	-0.0132	1.6863	0.0161	0.003	-6.366E-06
Base	-7603		CA	-0.0401	-0.0439	0.7457	0.0533	0.0012	-2.043E-05
Base	-7603		CV	-0.0204	-0.0231	0.3977	0.026	0.0006	-1.079E-05
Base	-7603		SX Max	3.0151	0.0655	0.1196	0.0573	0.1641	0.0002
Base	-7603		SY Max	0.0514	0.6704	0.0466	0.5466	0.0026	0.0002
Base	-7603		CIM1	-0.012	-0.0802	3.0297	0.0974	0.0049	-3.759E-05
Base	-7603		CIM2 Max	2.6616	0.0161	2.7372	0.1198	0.1467	0.0001
Base	-7603		CIM2 Min	-2.6449	-0.1324	2.5266	0.019	-0.1402	-0.0002
Base	-7603		CIM3 Max	0.0535	0.5326	2.673	0.5504	0.0065	0.0002
Base	-7603		CIM3 Min	-0.0369	-0.6471	2.591	-0.4116	0.002	-0.0002
Base	-7603		CIM4 Max	1.983	-0.016	3.0092	0.1262	0.1131	0.0001
Base	-7603		CIM4 Min	-1.9969	-0.1309	2.6514	0.0525	-0.1036	-0.0002
Base	-7603		CIM5 Max	0.027	0.368	2.9611	0.4511	0.0064	0.0001
Base	-7603		CIM5 Min	-0.0406	-0.5169	2.8995	-0.2704	0.003	-0.0002
Base	-7603		CIM6 Max	2.6582	0.0409	1.6844	0.0921	0.147	0.0001
Base	-7603		CIM6 Min	-2.6462	-0.1095	1.474	-0.0068	-0.1419	-0.0002
Base	-7603		CIM7 Max	0.0502	0.5557	1.6202	0.5226	0.0046	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	7603		CIM7 Min	-0.0402	-0.6243	1.5362	-0.4393	0.0003	-0.0002
Base	7609		PP	0.0553	-0.0146	1.9254	0.0167	0.0016	-2.272E-05
Base	7609		CA	-0.0736	-0.0462	0.7294	0.0542	-0.0064	-0.0001
Base	7609		CV	-0.0349	-0.0253	0.394	0.0284	-0.0033	-3.832E-05
Base	7609		SX Max	3.1223	0.0741	0.0355	0.0499	0.1779	0.0002
Base	7609		SY Max	0.069	0.6896	0.052	0.5583	0.0034	0.0002
Base	7609		CIM1	-0.0532	-0.0583	3.0466	0.0993	-0.0079	-0.0001
Base	7609		CIM2 Max	2.7293	0.0022	2.6661	0.1147	0.152	0.0001
Base	7609		CIM2 Min	-2.7659	-0.1282	2.6236	0.0269	-0.1612	-0.0003
Base	7609		CIM3 Max	0.0424	0.5526	2.727	0.5621	-0.0016	0.0001
Base	7609		CIM3 Min	-0.079	-0.6786	2.5627	-0.4205	-0.0076	-0.0003
Base	7609		CIM4 Max	2.0162	-0.0331	2.9736	0.1251	0.1104	-1.95E-06
Base	7609		CIM4 Min	-2.1052	-0.1309	2.9269	0.0592	-0.1245	-0.0002
Base	7609		CIM5 Max	0.001	0.3797	3.0045	0.4606	-0.0046	2.73E-05
Base	7609		CIM5 Min	-0.09	-0.5437	2.6962	-0.2763	-0.0093	-0.0003
Base	7609		CIM6 Max	2.7366	0.0274	1.6241	0.0664	0.1536	0.0001
Base	7609		CIM6 Min	-2.7566	-0.103	1.5617	-0.0014	-0.1593	-0.0002
Base	7609		CIM7 Max	0.0497	0.5776	1.6651	0.5336	0.0002	0.0001
Base	7609		CIM7 Min	-0.0717	-0.6534	1.5207	-0.4466	-0.0057	-0.0003
Base	7615		PP	0.0756	-0.0149	1.9896	0.0159	0.0035	-6.533E-06
Base	7615		CA	-0.0652	-0.0472	0.7047	0.051	-0.0009	-1.611E-05
Base	7615		CV	-0.0265	-0.0246	0.3891	0.0267	-0.0001	-9.567E-06
Base	7615		SX Max	3.1105	0.0621	0.0551	0.042	0.1641	0.0002
Base	7615		SY Max	0.0962	0.6646	0.1494	0.5243	0.0045	0.0002
Base	7615		CIM1	-0.016	-0.0569	3.0834	0.0937	0.0026	-3.423E-05
Base	7615		CIM2 Max	2.7476	-0.0075	2.7426	0.1039	0.1474	0.0001
Base	7615		CIM2 Min	-2.7266	-0.1167	2.6459	0.03	-0.1414	-0.0002
Base	7615		CIM3 Max	0.0951	0.5227	2.6256	0.5264	0.0069	0.0002
Base	7615		CIM3 Min	-0.0741	-0.6469	2.5629	-0.3945	-0.0009	-0.0002
Base	7615		CIM4 Max	2.0436	-0.0397	3.0225	0.1147	0.1112	0.0001
Base	7615		CIM4 Min	-2.0623	-0.1217	2.9496	0.0593	-0.1054	-0.0002
Base	7615		CIM5 Max	0.0541	0.3579	3.0647	0.4331	0.0056	0.0001
Base	7615		CIM5 Min	-0.0729	-0.5193	2.6576	-0.2591	-0.0001	-0.0002
Base	7615		CIM6 Max	2.7436	0.0174	1.6651	0.0771	0.1462	0.0001
Base	7615		CIM6 Min	-2.731	-0.0919	1.5661	0.0032	-0.1426	-0.0002
Base	7615		CIM7 Max	0.0909	0.5476	1.7461	0.5016	0.0057	0.0002
Base	7615		CIM7 Min	-0.0763	-0.6221	1.4652	-0.4213	-0.0021	-0.0002
Base	7621		PP	0.0756	-0.0125	2.0864	0.0132	0.003	5.917E-06
Base	7621		CA	-0.1156	-0.0386	0.6664	0.0416	-0.0071	2.517E-05
Base	7621		CV	-0.0465	-0.0202	0.3616	0.0219	-0.0032	1.335E-05
Base	7621		SX Max	3.1694	0.0566	0.1309	0.0407	0.1652	0.0003
Base	7621		SY Max	0.1291	0.5551	0.2567	0.4372	0.0059	0.0003
Base	7621		CIM1	-0.0865	-0.0713	3.1365	0.0769	-0.0073	4.443E-05
Base	7621		CIM2 Max	2.7667	0.0007	2.67	0.0906	0.1569	0.0003
Base	7621		CIM2 Min	-2.8467	-0.1026	2.6396	0.0192	-0.1671	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7621		CIM3 Max	0.0736	0.4375	2.9624	0.4397	0.0011	0.0003
Base	-7621		CIM3 Min	-0.1536	-0.5396	2.5271	-0.3297	-0.0092	-0.0002
Base	-7621		CIM4 Max	2.0266	-0.0274	3.1275	0.0983	0.1156	0.0002
Base	-7621		CIM4 Min	-2.1614	-0.105	2.9547	0.0445	-0.1267	-0.0001
Base	-7621		CIM5 Max	0.0066	0.3002	3.2116	0.36	-0.0026	0.0002
Base	-7621		CIM5 Min	-0.1616	-0.4326	2.8704	-0.2171	-0.0103	-0.0001
Base	-7621		CIM6 Max	2.7627	0.0211	1.7661	0.0656	0.1606	0.0003
Base	-7621		CIM6 Min	-2.8307	-0.0624	1.5377	-0.0026	-0.1654	-0.0002
Base	-7621		CIM7 Max	0.0696	0.4579	1.6605	0.4177	0.0027	0.0003
Base	-7621		CIM7 Min	-0.1376	-0.5191	1.4252	-0.3517	-0.0076	-0.0002
Base	-7627		PP	0.0405	-0.0071	2.2126	0.0084	0.002	1.716E-05
Base	-7627		CA	-0.1463	-0.0214	0.5967	0.0271	-0.0064	0.0001
Base	-7627		CV	-0.0616	-0.0111	0.3636	0.0141	-0.0027	4.07E-05
Base	-7627		SX Max	3.0662	0.0639	0.2925	0.0464	0.1643	0.0003
Base	-7627		SY Max	0.1536	0.368	0.4199	0.3025	0.0072	0.0007
Base	-7627		CIM1	-0.1677	-0.0396	3.173	0.0497	-0.0072	0.0001
Base	-7627		CIM2 Max	2.6117	0.0454	3.0666	0.0782	0.1402	0.0004
Base	-7627		CIM2 Min	-2.6235	-0.1023	2.552	-0.007	-0.1491	-0.0002
Base	-7627		CIM3 Max	0.0293	0.2954	3.1769	0.3016	0.0019	0.0007
Base	-7627		CIM3 Min	-0.2411	-0.3523	2.4399	-0.2306	-0.0106	-0.0005
Base	-7627		CIM4 Max	1.686	0.0156	3.2752	0.0761	0.102	0.0004
Base	-7627		CIM4 Min	-2.1905	-0.0921	2.869	0.0142	-0.115	-0.0001
Base	-7627		CIM5 Max	-0.0509	0.2061	3.3592	0.2456	-0.0017	0.0006
Base	-7627		CIM5 Min	-0.2537	-0.2786	2.805	-0.1535	-0.0113	-0.0003
Base	-7627		CIM6 Max	2.6541	0.0566	1.943	0.0639	0.1419	0.0004
Base	-7627		CIM6 Min	-2.7612	-0.0909	1.4262	-0.0213	-0.1473	-0.0002
Base	-7627		CIM7 Max	0.0717	0.3066	2.0551	0.2675	0.0037	0.0007
Base	-7627		CIM7 Min	-0.1967	-0.3409	1.3161	-0.2449	-0.009	-0.0006
Base	-7633		PP	-0.0763	0.0006	2.3576	0.0026	-0.0046	3.913E-05
Base	-7633		CA	-0.1804	-0.0015	0.529	0.0112	-0.0096	0.0001
Base	-7633		CV	-0.0815	-0.0005	0.3522	0.0057	-0.0045	4.626E-05
Base	-7633		SX Max	2.982	0.0964	0.875	0.0412	0.1656	0.0005
Base	-7633		SY Max	0.1377	0.1525	0.6395	0.1547	0.0062	0.0006
Base	-7633		CIM1	-0.3402	-0.0012	3.239	0.0195	-0.0187	0.0002
Base	-7633		CIM2 Max	2.3655	0.0642	3.6566	0.05	0.1493	0.0005
Base	-7633		CIM2 Min	-2.5629	-0.0656	2.1166	-0.0225	-0.1777	-0.0003
Base	-7633		CIM3 Max	-0.1375	0.1335	3.4496	0.1499	-0.0056	0.0006
Base	-7633		CIM3 Min	-0.3799	-0.1349	2.3241	-0.1223	-0.0196	-0.0004
Base	-7633		CIM4 Max	1.6463	0.0626	3.7265	0.0452	0.1051	0.0005
Base	-7633		CIM4 Min	-2.266	-0.0647	2.5735	-0.0091	-0.1402	-0.0001
Base	-7633		CIM5 Max	-0.2269	0.0996	3.5731	0.1201	-0.0135	0.0005
Base	-7633		CIM5 Min	-0.4107	-0.1017	2.7269	-0.064	-0.0216	-0.0002
Base	-7633		CIM6 Max	2.469	0.0645	2.5021	0.0445	0.155	0.0005
Base	-7633		CIM6 Min	-2.7794	-0.0653	0.9621	-0.026	-0.172	-0.0003
Base	-7633		CIM7 Max	-0.034	0.1336	2.2949	0.1444	-0.0031	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7633		CIM7 Min	-0.2764	-0.1346	1.1693	-0.1279	-0.0139	-0.0004
Base	-7643		PP	0.0036	-0.1129	0.6967	0.0072	0.0014	1.091E-05
Base	-7643		CA	0.0012	-0.0092	0.0752	0.0007	0.0005	2.592E-06
Base	-7643		CV	0.0006	-0.0017	0.0264	0.0001	0.0003	1.429E-06
Base	-7643		SX Max	0.0716	0.1925	0.9537	0.0136	0.0466	0.0003
Base	-7643		SY Max	0.0466	0.6625	3.2061	0.0749	0.0302	0.0001
Base	-7643		CIM1	0.0056	-0.1239	0.9963	0.006	0.0022	1.493E-05
Base	-7643		CIM2 Max	0.0679	0.0472	1.6112	0.0196	0.0447	0.0002
Base	-7643		CIM2 Min	-0.0561	-0.2916	0.1328	-0.004	-0.0406	-0.0002
Base	-7643		CIM3 Max	0.0459	0.6369	3.7951	0.0736	0.0265	0.0001
Base	-7643		CIM3 Min	-0.0361	-0.6612	-1.6512	-0.056	-0.0246	-0.0001
Base	-7643		CIM4 Max	0.0526	0.0036	1.6212	0.0169	0.0342	0.0002
Base	-7643		CIM4 Min	-0.0416	-0.2505	0.3623	-0.001	-0.0299	-0.0002
Base	-7643		CIM5 Max	0.0361	0.4456	3.1091	0.0574	0.0221	0.0001
Base	-7643		CIM5 Min	-0.0253	-0.6927	-1.1256	-0.0414	-0.0176	-0.0001
Base	-7643		CIM6 Max	0.066	0.0961	1.4224	0.0167	0.0439	0.0002
Base	-7643		CIM6 Min	-0.06	-0.2427	-0.256	-0.0072	-0.0416	-0.0002
Base	-7643		CIM7 Max	0.044	0.6657	3.4063	0.0706	0.0277	0.0001
Base	-7643		CIM7 Min	-0.036	-0.6323	-2.2399	-0.0611	-0.0254	-0.0001
Base	-7653		PP	-0.0017	0.0421	1.1666	-0.0026	-0.002	-5.598E-06
Base	-7653		CA	-0.0055	0.0039	0.079	-0.0008	-0.0067	-1.665E-05
Base	-7653		CV	-0.0029	0.0022	0.0461	-0.0005	-0.0035	-9.865E-06
Base	-7653		SX Max	0.606	0.0269	0.1595	0.0049	0.5316	0.0017
Base	-7653		SY Max	0.0063	0.3063	1.2646	0.0393	0.0045	1.264E-05
Base	-7653		CIM1	-0.0101	0.0462	1.2939	-0.004	-0.0123	-3.411E-05
Base	-7653		CIM2 Max	0.5261	0.0697	1.3662	0.0008	0.4591	0.0015
Base	-7653		CIM2 Min	-0.5405	0.0224	1.1074	-0.0076	-0.4766	-0.0015
Base	-7653		CIM3 Max	-0.0017	0.3173	2.3606	0.0312	-0.0046	-1.295E-05
Base	-7653		CIM3 Min	-0.0126	-0.2253	0.1346	-0.0361	-0.0127	-3.555E-05
Base	-7653		CIM4 Max	0.3906	0.0654	1.3676	-0.0006	0.3395	0.0011
Base	-7653		CIM4 Min	-0.4094	0.0299	1.1771	-0.0071	-0.3622	-0.0011
Base	-7653		CIM5 Max	-0.0052	0.2511	2.1171	0.0221	-0.0054	-2.317E-05
Base	-7653		CIM5 Min	-0.0136	-0.1556	0.4476	-0.0295	-0.0143	-4.012E-05
Base	-7653		CIM6 Max	0.529	0.0513	0.6891	0.0022	0.4626	0.0015
Base	-7653		CIM6 Min	-0.5376	0.004	0.6063	-0.0064	-0.4731	-0.0015
Base	-7653		CIM7 Max	0.0012	0.2969	1.8617	0.0325	-0.0013	-3.246E-06
Base	-7653		CIM7 Min	-0.0099	-0.2437	-0.3643	-0.0367	-0.0092	-2.565E-05
Base	-7663		PP	-0.0031	-0.0425	1.1616	0.0025	-0.003	1.166E-05
Base	-7663		CA	-0.0103	-0.0035	0.0653	0.0005	-0.01	3.967E-05
Base	-7663		CV	-0.0054	-0.0017	0.0299	0.0001	-0.0053	2.093E-05
Base	-7663		SX Max	0.6052	0.0269	0.1595	0.0049	0.5311	0.0017
Base	-7663		SY Max	0.0063	0.3063	1.265	0.0393	0.0044	1.256E-05
Base	-7663		CIM1	-0.0188	-0.0476	1.2566	0.0031	-0.0183	0.0001
Base	-7663		CIM2 Max	0.5192	-0.0224	1.3672	0.0073	0.4543	0.0015
Base	-7663		CIM2 Min	-0.5459	-0.0697	1.0666	-0.0013	-0.4803	-0.0014

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7663		CIM3 Max	-0.0076	0.2252	2.3401	0.0376	-0.0091	0.0001
Base	-7663		CIM3 Min	-0.0169	-0.3173	0.1137	-0.0316	-0.0169	-4.049E-05
Base	-7663		CIM4 Max	0.382	-0.0296	1.3545	0.0063	0.3336	0.0012
Base	-7663		CIM4 Min	-0.4166	-0.0651	1.1441	-0.0001	-0.3674	-0.0011
Base	-7663		CIM5 Max	-0.0133	0.1561	2.0642	0.029	-0.014	0.0001
Base	-7663		CIM5 Min	-0.0216	-0.2506	0.4144	-0.0229	-0.0199	0.0001
Base	-7663		CIM6 Max	0.5246	-0.004	0.6765	0.0061	0.4595	0.0015
Base	-7663		CIM6 Min	-0.5406	-0.0513	0.5956	-0.0025	-0.4751	-0.0015
Base	-7663		CIM7 Max	-0.0025	0.2437	1.6493	0.0364	-0.0039	4.196E-05
Base	-7663		CIM7 Min	-0.0135	-0.2989	-0.377	-0.0326	-0.0117	1.967E-05
Base	-7673		PP	-0.0362	-0.0006	1.1586	0.0006	-0.0024	-5.16E-06
Base	-7673		CA	0.0196	-4.743E-05	0.1074	-1.626E-05	0.001	5.666E-07
Base	-7673		CV	0.011	1.537E-05	0.0562	-0.0001	0.0005	6.634E-07
Base	-7673		SX Max	0.7324	0.1766	2.4544	0.1325	0.0661	0.0004
Base	-7673		SY Max	0.3649	0.2209	1.315	0.1622	0.0213	0.0009
Base	-7673		CIM1	-0.0076	-0.0006	1.3222	0.0005	-0.0006	-3.905E-06
Base	-7673		CIM2 Max	0.6259	0.1565	3.4523	0.1171	0.0568	0.0004
Base	-7673		CIM2 Min	-0.6631	-0.1576	-0.9202	-0.116	-0.0595	-0.0004
Base	-7673		CIM3 Max	0.3025	0.1938	2.4232	0.1609	0.0174	0.0006
Base	-7673		CIM3 Min	-0.3397	-0.195	0.1069	-0.1596	-0.0201	-0.0006
Base	-7673		CIM4 Max	0.473	0.1173	2.9479	0.0879	0.0427	0.0003
Base	-7673		CIM4 Min	-0.4937	-0.1165	-0.3315	-0.0869	-0.0446	-0.0003
Base	-7673		CIM5 Max	0.2305	0.1452	2.1761	0.1206	0.0131	0.0006
Base	-7673		CIM5 Min	-0.2512	-0.1464	0.4403	-0.1196	-0.015	-0.0006
Base	-7673		CIM6 Max	0.6334	0.1566	2.9459	0.1169	0.0573	0.0004
Base	-7673		CIM6 Min	-0.6556	-0.1575	-1.4266	-0.1162	-0.059	-0.0004
Base	-7673		CIM7 Max	0.3099	0.1941	1.9166	0.1607	0.0178	0.0006
Base	-7673		CIM7 Min	-0.3322	-0.1948	-0.3976	-0.16	-0.0196	-0.0006
Base	-7663		PP	0.0544	-0.0022	1.1456	0.0012	0.0031	8.459E-06
Base	-7663		CA	0.0361	-2.795E-05	0.1176	-3.679E-05	0.0027	0
Base	-7663		CV	0.0207	0.0001	0.0573	-0.0001	0.0014	-6.727E-07
Base	-7663		SX Max	0.8509	0.1065	0.4362	0.0696	0.0716	0.0002
Base	-7663		SY Max	0.3712	0.0777	1.4627	0.0931	0.0195	0.0004
Base	-7663		CIM1	0.1131	-0.0022	1.3209	0.0011	0.0072	7.344E-06
Base	-7663		CIM2 Max	0.8412	0.0932	1.6475	0.0625	0.0689	0.0002
Base	-7663		CIM2 Min	-0.6563	-0.0976	0.6797	-0.06	-0.0572	-0.0002
Base	-7663		CIM3 Max	0.4191	0.0661	2.5664	0.0632	0.0233	0.0004
Base	-7663		CIM3 Min	-0.2342	-0.0706	-0.0412	-0.0605	-0.0116	-0.0004
Base	-7663		CIM4 Max	0.6695	0.0694	1.5945	0.0471	0.0542	0.0002
Base	-7663		CIM4 Min	-0.4536	-0.0736	1.0167	-0.0446	-0.0404	-0.0001
Base	-7663		CIM5 Max	0.353	0.0491	2.2652	0.0626	0.02	0.0003
Base	-7663		CIM5 Min	-0.137	-0.0535	0.326	-0.0603	-0.0062	-0.0003
Base	-7663		CIM6 Max	0.8043	0.0941	1.142	0.062	0.0665	0.0002
Base	-7663		CIM6 Min	-0.6933	-0.0969	0.3743	-0.0605	-0.0595	-0.0002
Base	-7663		CIM7 Max	0.3621	0.067	2.063	0.0627	0.021	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7553		CIM7 Min	-0.2712	-0.0697	-0.5466	-0.0612	-0.014	-0.0004
Base	-7559		PP	0.0466	-0.0099	1.7012	0.0056	0.0006	-0.0001
Base	-7559		CA	-0.0019	-0.0039	0.1323	0.0021	0.0006	-7.912E-06
Base	-7559		CV	0.0071	-0.0064	0.0572	0.0034	0.0009	-8.356E-06
Base	-7559		SX Max	0.7353	0.0661	1.7566	0.0467	0.0727	0.0007
Base	-7559		SY Max	0.6496	0.2079	3.6177	0.1995	0.0341	0.0013
Base	-7559		CIM1	0.052	-0.0202	1.9207	0.0113	0.0022	-0.0001
Base	-7559		CIM2 Max	0.692	0.0443	3.4057	0.049	0.0654	0.0006
Base	-7559		CIM2 Min	-0.6022	-0.072	0.2612	-0.0332	-0.0627	-0.0007
Base	-7559		CIM3 Max	0.7925	0.1691	5.0171	0.1634	0.0314	0.0011
Base	-7559		CIM3 Min	-0.7027	-0.1966	-1.3501	-0.1676	-0.0287	-0.0012
Base	-7559		CIM4 Max	0.5355	0.025	3.076	0.0413	0.05	0.0004
Base	-7559		CIM4 Min	-0.4351	-0.0623	0.7197	-0.0204	-0.046	-0.0005
Base	-7559		CIM5 Max	0.6109	0.1156	4.2666	0.1421	0.0245	0.0006
Base	-7559		CIM5 Min	-0.5105	-0.1556	-0.4656	-0.1212	-0.0205	-0.0009
Base	-7559		CIM6 Max	0.674	0.0499	2.6723	0.0459	0.0646	0.0006
Base	-7559		CIM6 Min	-0.6202	-0.0664	-0.4722	-0.0364	-0.0632	-0.0007
Base	-7559		CIM7 Max	0.7745	0.1746	4.2637	0.1603	0.0306	0.0011
Base	-7559		CIM7 Min	-0.7207	-0.1912	-2.0635	-0.1706	-0.0292	-0.0012
Base	-7599		PP	-0.1332	-0.0001	1.5626	0.0002	-0.0075	-1.215E-06
Base	-7599		CA	-0.0096	-0.0004	0.1261	0.0005	-0.0016	-1.179E-06
Base	-7599		CV	-0.0062	-0.0002	0.0724	0.0002	-0.001	0
Base	-7599		SX Max	1.4615	0.1616	3.9664	0.1382	0.1096	0.0006
Base	-7599		SY Max	0.3395	0.7574	0.4962	0.6473	0.0165	0.0026
Base	-7599		CIM1	-0.1491	-0.0006	1.761	0.0009	-0.0101	-2.775E-06
Base	-7599		CIM2 Max	1.1433	0.1417	5.1964	0.1223	0.0675	0.0005
Base	-7599		CIM2 Min	-1.4269	-0.1427	-1.8211	-0.1209	-0.1057	-0.0005
Base	-7599		CIM3 Max	0.156	0.666	2.1271	0.5704	0.0072	0.0023
Base	-7599		CIM3 Min	-0.4416	-0.6671	1.2503	-0.5669	-0.0253	-0.0023
Base	-7599		CIM4 Max	0.6171	0.1059	4.3753	0.0921	0.0627	0.0004
Base	-7599		CIM4 Min	-1.1121	-0.1074	-0.8694	-0.0903	-0.0523	-0.0004
Base	-7599		CIM5 Max	0.0766	0.4992	2.0716	0.4261	0.0024	0.0017
Base	-7599		CIM5 Min	-0.3716	-0.5006	1.4141	-0.4264	-0.022	-0.0017
Base	-7599		CIM6 Max	1.2004	0.1419	4.523	0.122	0.0912	0.0005
Base	-7599		CIM6 Min	-1.3716	-0.1425	-2.4966	-0.1212	-0.1021	-0.0005
Base	-7599		CIM7 Max	0.2131	0.6662	1.4516	0.5701	0.0106	0.0023
Base	-7599		CIM7 Min	-0.3845	-0.6669	0.5746	-0.5692	-0.0217	-0.0023
Base	-7909		PP	-0.0401	-0.0003	1.5543	0.0005	-0.0016	-2.241E-06
Base	-7909		CA	0.0103	-0.001	0.1224	0.0009	0.0015	2.794E-06
Base	-7909		CV	0.0043	-0.0005	0.0653	0.0004	0.0007	1.552E-06
Base	-7909		SX Max	1.6654	0.1149	1.6574	0.1029	0.1103	0.0002
Base	-7909		SY Max	0.4335	0.5119	0.6465	0.4732	0.021	0.0006
Base	-7909		CIM1	-0.0255	-0.0017	1.742	0.0016	0.0006	2.165E-06
Base	-7909		CIM2 Max	1.4534	0.0996	3.1352	0.092	0.097	0.0001
Base	-7909		CIM2 Min	-1.5129	-0.1023	0.2163	-0.0892	-0.0972	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7909		CIM3 Max	0.3517	0.4492	2.2457	0.4176	0.0164	0.0005
Base	-7909		CIM3 Min	-0.4113	-0.4517	1.1076	-0.4151	-0.0165	-0.0005
Base	-7909		CIM4 Max	1.0656	0.0742	2.6196	0.0696	0.0732	0.0001
Base	-7909		CIM4 Min	-1.1369	-0.0774	0.6316	-0.0663	-0.0724	-0.0001
Base	-7909		CIM5 Max	0.2596	0.3362	2.1524	0.314	0.0143	0.0004
Base	-7909		CIM5 Min	-0.3127	-0.3394	1.299	-0.3106	-0.0134	-0.0004
Base	-7909		CIM6 Max	1.4653	0.1003	2.4645	0.0914	0.097	0.0001
Base	-7909		CIM6 Min	-1.501	-0.1016	-0.4524	-0.0898	-0.0971	-0.0001
Base	-7909		CIM7 Max	0.3637	0.4497	1.575	0.4173	0.0164	0.0005
Base	-7909		CIM7 Min	-0.3994	-0.4512	0.4371	-0.4156	-0.0165	-0.0005
Base	-7915		PP	0.0467	-0.0007	1.5515	0.0011	0.002	-1.905E-05
Base	-7915		CA	0.0113	-0.0015	0.1171	0.0011	-0.0002	1.666E-06
Base	-7915		CV	0.0046	-0.0006	0.0561	0.0005	-0.0002	1.176E-06
Base	-7915		SX Max	1.7699	0.1106	0.1732	0.0608	0.1134	0.0004
Base	-7915		SY Max	0.4624	0.3376	1.0175	0.3063	0.0223	0.0004
Base	-7915		CIM1	0.0626	-0.003	1.7266	0.0026	0.0016	-1.624E-05
Base	-7915		CIM2 Max	1.6155	0.0951	1.6209	0.0733	0.1016	0.0003
Base	-7915		CIM2 Min	-1.4996	-0.0995	1.5162	-0.0666	-0.0979	-0.0003
Base	-7915		CIM3 Max	0.4625	0.2951	2.564	0.2716	0.0215	0.0003
Base	-7915		CIM3 Min	-0.3665	-0.2995	0.7732	-0.2673	-0.0176	-0.0004
Base	-7915		CIM4 Max	1.2296	0.0702	1.6264	0.056	0.0765	0.0002
Base	-7915		CIM4 Min	-1.1066	-0.0756	1.5976	-0.0507	-0.0731	-0.0002
Base	-7915		CIM5 Max	0.36	0.2202	2.3637	0.2046	0.0164	0.0002
Base	-7915		CIM5 Min	-0.2568	-0.2256	1.0406	-0.1995	-0.0131	-0.0003
Base	-7915		CIM6 Max	1.5923	0.096	1.1535	0.0724	0.1009	0.0003
Base	-7915		CIM6 Min	-1.5226	-0.0956	0.6466	-0.0697	-0.0957	-0.0003
Base	-7915		CIM7 Max	0.4583	0.296	1.6965	0.2709	0.0207	0.0003
Base	-7915		CIM7 Min	-0.3697	-0.2986	0.1057	-0.2662	-0.0165	-0.0004
Base	-7921		PP	0.1316	-0.0055	1.5615	0.0026	0.0075	0.0001
Base	-7921		CA	0.0231	-0.0016	0.1164	0.0009	0.0016	-1.253E-06
Base	-7921		CV	0.0112	-0.0007	0.052	0.0004	0.0006	-1.325E-06
Base	-7921		SX Max	1.7367	0.1165	1.5896	0.0565	0.1162	0.0004
Base	-7921		SY Max	0.5373	0.143	1.7154	0.1475	0.0217	0.0005
Base	-7921		CIM1	0.1659	-0.0076	1.73	0.0042	0.0102	4.884E-05
Base	-7921		CIM2 Max	1.6647	0.0973	3.0656	0.0535	0.1134	0.0004
Base	-7921		CIM2 Min	-1.3753	-0.1113	0.2703	-0.0459	-0.0947	-0.0003
Base	-7921		CIM3 Max	0.6276	0.1166	3.1675	0.1336	0.0264	0.0005
Base	-7921		CIM3 Min	-0.3161	-0.1326	0.1664	-0.126	-0.0097	-0.0004
Base	-7921		CIM4 Max	1.3106	0.0707	2.7727	0.0414	0.068	0.0003
Base	-7921		CIM4 Min	-0.9644	-0.0656	0.6612	-0.0332	-0.0681	-0.0002
Base	-7921		CIM5 Max	0.5177	0.0668	2.6491	0.1014	0.0243	0.0004
Base	-7921		CIM5 Min	-0.1915	-0.1019	0.5648	-0.0932	-0.0043	-0.0003
Base	-7921		CIM6 Max	1.6229	0.1001	2.4144	0.052	0.1097	0.0004
Base	-7921		CIM6 Min	-1.4372	-0.1085	-0.4009	-0.0474	-0.0964	-0.0004
Base	-7921		CIM7 Max	0.5657	0.1216	2.5163	0.1321	0.0247	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7921		CIM7 Min	-0.36	-0.13	-0.5026	-0.1275	-0.0134	-0.0004
Base	-7931		PP	0.0054	0.1696	1.4851	-0.0094	0.0055	2.464E-05
Base	-7931		CA	0.0187	0.0195	0.0069	-0.001	0.0188	0.0001
Base	-7931		CV	0.0096	0.0136	0.0161	-0.0006	0.0099	4.476E-05
Base	-7931		SX Max	0.5675	0.1232	0.3465	0.0084	0.7544	0.0029
Base	-7931		SY Max	0.0591	1.0924	3.2023	0.0737	0.049	0.0002
Base	-7931		CIM1	0.0339	0.2027	1.5101	-0.0112	0.0342	0.0002
Base	-7931		CIM2 Max	0.6051	0.2975	1.6007	-0.003	0.6662	0.0027
Base	-7931		CIM2 Min	-0.7569	0.0606	1.1674	-0.0178	-0.6396	-0.0025
Base	-7931		CIM3 Max	0.0761	1.1504	4.312	0.0545	0.0674	0.0003
Base	-7931		CIM3 Min	-0.0279	-0.7722	-1.324	-0.0753	-0.0186	-0.0001
Base	-7931		CIM4 Max	0.6172	0.2606	1.7361	-0.0054	0.5296	0.0021
Base	-7931		CIM4 Min	-0.5543	0.116	1.2761	-0.0166	-0.4662	-0.0018
Base	-7931		CIM5 Max	0.0704	0.9203	3.6196	0.0377	0.064	0.0003
Base	-7931		CIM5 Min	-0.0076	-0.5217	-0.6074	-0.0596	-0.0006	1.222E-05
Base	-7931		CIM6 Max	0.7954	0.2219	1.2031	0.0012	0.6765	0.0027
Base	-7931		CIM6 Min	-0.7665	0.005	0.5696	-0.0137	-0.6493	-0.0025
Base	-7931		CIM7 Max	0.0665	1.0747	3.7144	0.0586	0.0577	0.0002
Base	-7931		CIM7 Min	-0.0376	-0.6476	-1.9216	-0.0711	-0.0265	-0.0001
Base	-7941		PP	0.0041	0.109	1.4753	-0.0054	0.0047	-1.064E-06
Base	-7941		CA	0.0143	0.027	0.0162	-0.0014	0.0162	-4.066E-06
Base	-7941		CV	0.0075	0.0165	0.0142	-0.001	0.0085	-2.163E-06
Base	-7941		SX Max	0.7113	0.1613	0.1659	0.0103	0.6494	0.0006
Base	-7941		SY Max	0.0622	1.3661	1.6326	0.0924	0.048	0.0001
Base	-7941		CIM1	0.026	0.1545	1.5057	-0.0079	0.0294	-7.315E-06
Base	-7941		CIM2 Max	0.6444	0.2779	1.6375	0.0022	0.5924	0.0005
Base	-7941		CIM2 Min	-0.6075	-0.006	1.3455	-0.0159	-0.5505	-0.0005
Base	-7941		CIM3 Max	0.0733	1.3556	2.9263	0.0745	0.0631	0.0001
Base	-7941		CIM3 Min	-0.0363	-1.0639	0.0546	-0.0861	-0.0213	-0.0001
Base	-7941		CIM4 Max	0.4936	0.2563	1.6116	-0.0008	0.4559	0.0004
Base	-7941		CIM4 Min	-0.4453	0.0434	1.3927	-0.0144	-0.4013	-0.0004
Base	-7941		CIM5 Max	0.0652	1.0647	2.5796	0.0534	0.0569	4.141E-05
Base	-7941		CIM5 Min	-0.0169	-0.765	0.4245	-0.0656	-0.0044	-0.0001
Base	-7941		CIM6 Max	0.637	0.2235	1.0409	0.0049	0.564	0.0005
Base	-7941		CIM6 Min	-0.6149	-0.0604	0.7469	-0.0131	-0.5589	-0.0005
Base	-7941		CIM7 Max	0.0659	1.3014	2.3317	0.0772	0.0546	0.0001
Base	-7941		CIM7 Min	-0.0437	-1.1352	-0.542	-0.0854	-0.0297	-0.0001
Base	-7947		PP	0.0032	0.0556	1.4961	-0.0028	0.0036	2.226E-06
Base	-7947		CA	0.0111	0.0299	0.0346	-0.0015	0.0125	6.492E-06
Base	-7947		CV	0.0058	0.0206	0.021	-0.0011	0.0066	3.413E-06
Base	-7947		SX Max	0.6472	0.1965	0.1667	0.0105	0.5683	0.0004
Base	-7947		SY Max	0.0657	1.5613	0.8566	0.091	0.0479	0.0001
Base	-7947		CIM1	0.02	0.1062	1.5539	-0.0054	0.0227	1.213E-05
Base	-7947		CIM2 Max	0.5637	0.2603	1.6796	0.0049	0.5162	0.0004
Base	-7947		CIM2 Min	-0.5553	-0.0591	1.3562	-0.0136	-0.4639	-0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7947		CIM3 Max	0.072	1.4596	2.2667	0.0757	0.0563	0.0001
Base	-7947		CIM3 Min	-0.0436	-1.2684	0.7771	-0.0644	-0.026	-0.0001
Base	-7947		CIM4 Max	0.4457	0.232	1.6567	0.0016	0.3961	0.0003
Base	-7947		CIM4 Min	-0.4056	-0.03	1.4366	-0.0121	-0.354	-0.0003
Base	-7947		CIM5 Max	0.0619	1.1315	2.1155	0.0549	0.0527	0.0001
Base	-7947		CIM5 Min	-0.0246	-0.9294	0.9616	-0.0652	-0.0105	-4.415E-05
Base	-7947		CIM6 Max	0.576	0.226	1.0664	0.0067	0.5096	0.0004
Base	-7947		CIM6 Min	-0.561	-0.1233	0.7731	-0.0119	-0.4904	-0.0004
Base	-7947		CIM7 Max	0.0663	1.4253	1.6755	0.0775	0.0518	0.0001
Base	-7947		CIM7 Min	-0.0493	-1.3226	0.164	-0.0627	-0.0325	-0.0001
Base	-7953		PP	0.0016	0.013	1.5092	-0.0007	0.0024	4.454E-06
Base	-7953		CA	0.0063	0.0277	0.0565	-0.0013	0.0051	1.274E-05
Base	-7953		CV	0.0033	0.0198	0.0303	-0.001	0.0042	8.682E-06
Base	-7953		SX Max	0.5626	0.2561	0.3491	0.0134	0.4924	0.0003
Base	-7953		SY Max	0.0567	1.7117	0.3917	0.1036	0.046	0.0001
Base	-7953		CIM1	0.0114	0.0605	1.596	-0.003	0.0147	2.369E-05
Base	-7953		CIM2 Max	0.5206	0.266	1.6729	0.0096	0.4437	0.0003
Base	-7953		CIM2 Min	-0.5046	-0.1647	1.2585	-0.0137	-0.4226	-0.0002
Base	-7953		CIM3 Max	0.0597	1.5469	1.9104	0.0692	0.0509	0.0001
Base	-7953		CIM3 Min	-0.0435	-1.4657	1.221	-0.0931	-0.03	-0.0001
Base	-7953		CIM4 Max	0.3951	0.2245	1.6166	0.0061	0.3366	0.0002
Base	-7953		CIM4 Min	-0.3739	-0.1135	1.3561	-0.0116	-0.3113	-0.0002
Base	-7953		CIM5 Max	0.0493	1.1652	1.847	0.0656	0.044	0.0001
Base	-7953		CIM5 Min	-0.0261	-1.0742	1.3299	-0.0711	-0.0166	-0.0001
Base	-7953		CIM6 Max	0.5175	0.2497	1.2466	0.0106	0.4395	0.0003
Base	-7953		CIM6 Min	-0.5076	-0.201	0.6322	-0.013	-0.427	-0.0002
Base	-7953		CIM7 Max	0.0565	1.5307	1.2641	0.09	0.0467	0.0001
Base	-7953		CIM7 Min	-0.0466	-1.4619	0.5947	-0.0923	-0.0342	-0.0001
Base	-7959		PP	0.0003	-0.0312	1.5107	0.0016	0.0013	5.919E-06
Base	-7959		CA	0.0014	0.0217	0.0767	-0.0011	0.0037	1.001E-05
Base	-7959		CV	0.0007	0.0165	0.039	-0.0009	0.0019	5.225E-06
Base	-7959		SX Max	0.4673	0.3255	0.6662	0.0144	0.3991	0.0003
Base	-7959		SY Max	0.0656	1.7222	0.0666	0.0951	0.0509	0.0002
Base	-7959		CIM1	0.0025	0.0071	1.6264	-0.0005	0.0069	2.115E-05
Base	-7959		CIM2 Max	0.4306	0.277	2.1736	0.0131	0.3562	0.0003
Base	-7959		CIM2 Min	-0.4271	-0.2959	1.0011	-0.0123	-0.3462	-0.0002
Base	-7959		CIM3 Max	0.0595	1.5061	1.646	0.0668	0.0496	0.0002
Base	-7959		CIM3 Min	-0.056	-1.525	1.5267	-0.066	-0.0396	-0.0001
Base	-7959		CIM4 Max	0.3239	0.2176	2.0563	0.0093	0.2696	0.0002
Base	-7959		CIM4 Min	-0.3193	-0.2119	1.1769	-0.0096	-0.2569	-0.0002
Base	-7959		CIM5 Max	0.0456	1.1396	1.6606	0.0645	0.0401	0.0001
Base	-7959		CIM5 Min	-0.041	-1.1337	1.5726	-0.065	-0.0272	-0.0001
Base	-7959		CIM6 Max	0.4299	0.2606	1.5367	0.0129	0.3542	0.0003
Base	-7959		CIM6 Min	-0.4276	-0.2921	0.3661	-0.0124	-0.3462	-0.0002
Base	-7959		CIM7 Max	0.0566	1.5099	1.011	0.0666	0.0476	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7959		CIM7 Min	-0.0567	-1.5212	0.6936	-0.0861	-0.0416	-0.0001
Base	-7965		PP	-0.0002	-0.0687	1.4966	0.0043	0.001	1.542E-05
Base	-7965		CA	-0.0015	0.0103	0.0911	-0.0004	0.0006	-4.567E-06
Base	-7965		CV	-0.0005	0.0101	0.0439	-0.0005	0.0004	-2.563E-06
Base	-7965		SX Max	0.3375	0.4109	1.1697	0.0167	0.2779	0.0007
Base	-7965		SY Max	0.0996	1.6715	0.455	0.1044	0.0611	0.0003
Base	-7965		CIM1	-0.0026	-0.0683	1.6316	0.0035	0.0022	8.265E-06
Base	-7965		CIM2 Max	0.2952	0.2632	2.6172	0.0204	0.2463	0.0006
Base	-7965		CIM2 Min	-0.2967	-0.44	0.5566	-0.0124	-0.2426	-0.0006
Base	-7965		CIM3 Max	0.0861	1.3925	1.9564	0.0959	0.0556	0.0003
Base	-7965		CIM3 Min	-0.0896	-1.5493	1.1675	-0.0879	-0.052	-0.0003
Base	-7965		CIM4 Max	0.2204	0.2003	2.3929	0.0159	0.1855	0.0005
Base	-7965		CIM4 Min	-0.2251	-0.342	0.5469	-0.0067	-0.1813	-0.0005
Base	-7965		CIM5 Max	0.0635	1.0323	1.9212	0.0725	0.0424	0.0002
Base	-7965		CIM5 Min	-0.0662	-1.174	1.3205	-0.0653	-0.0383	-0.0002
Base	-7965		CIM6 Max	0.2959	0.3145	1.9621	0.0188	0.2456	0.0006
Base	-7965		CIM6 Min	-0.296	-0.4066	-0.0766	-0.014	-0.2435	-0.0006
Base	-7965		CIM7 Max	0.0868	1.4239	1.3532	0.0943	0.0549	0.0003
Base	-7965		CIM7 Min	-0.0869	-1.5179	0.5523	-0.0895	-0.0527	-0.0003
Base	-7971		PP	0.0044	-0.1556	1.5046	0.0057	0.0023	-0.0001
Base	-7971		CA	-0.0013	0.0012	0.1035	-2.123E-05	-4.954E-05	-2.09E-05
Base	-7971		CV	-0.0005	0.0044	0.0455	-0.0003	-0.0001	-1.038E-05
Base	-7971		SX Max	0.1556	0.5046	2.1397	0.0172	0.1445	0.0005
Base	-7971		SY Max	0.1184	1.4611	1.3565	0.0694	0.0516	0.0003
Base	-7971		CIM1	0.0023	-0.1502	1.6536	0.0084	0.0022	-0.0001
Base	-7971		CIM2 Max	0.14	0.2695	3.4911	0.0236	0.1294	0.0004
Base	-7971		CIM2 Min	-0.1336	-0.5986	-0.2746	-0.0065	-0.1249	-0.0005
Base	-7971		CIM3 Max	0.1073	1.1466	2.6019	0.0674	0.0476	0.0002
Base	-7971		CIM3 Min	-0.1011	-1.4579	0.4144	-0.07	-0.0431	-0.0004
Base	-7971		CIM4 Max	0.1052	0.1618	3.0545	0.0196	0.0976	0.0003
Base	-7971		CIM4 Min	-0.1002	-0.4543	0.23	-0.0029	-0.0931	-0.0004
Base	-7971		CIM5 Max	0.0606	0.8262	2.5376	0.0675	0.0362	0.0001
Base	-7971		CIM5 Min	-0.0756	-1.1286	0.7469	-0.0505	-0.0316	-0.0003
Base	-7971		CIM6 Max	0.1388	0.3513	2.6478	0.0204	0.1265	0.0004
Base	-7971		CIM6 Min	-0.135	-0.5388	-0.9161	-0.0099	-0.1256	-0.0005
Base	-7971		CIM7 Max	0.106	1.2106	2.1566	0.0639	0.0467	0.0002
Base	-7971		CIM7 Min	-0.1023	-1.3961	-0.2259	-0.0735	-0.044	-0.0003
Base	-7977		PP	0.1749	0.006	1.6717	-0.0062	0.0104	-0.0001
Base	-7977		CA	0.1756	0.0035	0.4756	-0.0129	0.0116	-1.062E-05
Base	-7977		CV	0.0864	0.002	0.2574	-0.0069	0.0059	-6.255E-06
Base	-7977		SX Max	1.5076	0.1536	1.4421	0.0697	0.1191	0.0005
Base	-7977		SY Max	0.5312	0.1549	2.6835	0.1513	0.0303	0.0005
Base	-7977		CIM1	0.4371	0.0115	2.4047	-0.026	0.0261	-0.0001
Base	-7977		CIM2 Max	1.9414	0.1447	3.4163	0.0423	0.127	0.0004
Base	-7977		CIM2 Min	-1.24	-0.1256	0.6762	-0.0805	-0.0526	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7977		CIM3 Max	1.0621	0.1456	4.5066	0.114	0.0466	0.0004
Base	-7977		CIM3 Min	-0.3607	-0.1266	-0.2143	-0.1522	-0.0044	-0.0005
Base	-7977		CIM4 Max	1.6065	0.1124	3.2921	0.0216	0.1052	0.0003
Base	-7977		CIM4 Min	-0.7775	-0.0904	1.3665	-0.0703	-0.052	-0.0004
Base	-7977		CIM5 Max	0.9641	0.1132	4.1115	0.0756	0.0466	0.0003
Base	-7977		CIM5 Min	-0.1331	-0.0912	0.5692	-0.1241	0.0066	-0.0004
Base	-7977		CIM6 Max	1.5011	0.1409	2.5574	0.0499	0.1161	0.0004
Base	-7977		CIM6 Min	-1.3603	-0.1295	0.0193	-0.0726	-0.0915	-0.0005
Base	-7977		CIM7 Max	0.9419	0.142	3.6499	0.1217	0.04	0.0004
Base	-7977		CIM7 Min	-0.521	-0.1306	-1.0732	-0.1446	-0.0133	-0.0005
Base	-7983		PP	0.0785	0.0057	1.6532	-0.0092	0.0029	3.136E-05
Base	-7983		CA	0.1201	0.0201	0.5565	-0.0303	0.0029	4.024E-05
Base	-7983		CV	0.0577	0.0106	0.2997	-0.016	0.0012	2.172E-05
Base	-7983		SX Max	1.5434	0.1293	0.2933	0.0573	0.1165	0.0005
Base	-7983		SY Max	0.6391	0.337	1.4473	0.2915	0.0276	0.0005
Base	-7983		CIM1	0.2563	0.0364	2.5414	-0.0555	0.007	0.0001
Base	-7983		CIM2 Max	1.6207	0.1396	2.4997	0.0373	0.11	0.0005
Base	-7983		CIM2 Min	-1.4236	-0.066	1.9636	-0.1163	-0.0965	-0.0003
Base	-7983		CIM3 Max	0.761	0.3224	3.5153	0.217	0.0302	0.0005
Base	-7983		CIM3 Min	-0.3639	-0.2707	0.966	-0.296	-0.0167	-0.0003
Base	-7983		CIM4 Max	1.4565	0.1191	2.66	0.0061	0.0649	0.0004
Base	-7983		CIM4 Min	-0.9747	-0.0516	2.2729	-0.1091	-0.0715	-0.0002
Base	-7983		CIM5 Max	0.6637	0.2562	3.4217	0.1406	0.025	0.0004
Base	-7983		CIM5 Min	-0.16	-0.1686	1.5112	-0.2439	-0.0117	-0.0002
Base	-7983		CIM6 Max	1.7413	0.1293	1.6031	0.0531	0.1077	0.0004
Base	-7983		CIM6 Min	-1.503	-0.0953	1.0569	-0.1005	-0.1006	-0.0004
Base	-7983		CIM7 Max	0.6616	0.312	2.6167	0.2326	0.0279	0.0005
Base	-7983		CIM7 Min	-0.4433	-0.2611	0.0713	-0.2602	-0.021	-0.0004
Base	-7989		PP	-0.0157	0.011	1.7126	-0.0144	0.0001	-7.676E-06
Base	-7989		CA	0.0929	0.0399	0.6576	-0.0509	0.0072	-3.866E-05
Base	-7989		CV	0.0441	0.021	0.3526	-0.0269	0.0035	-2.036E-05
Base	-7989		SX Max	1.7369	0.1029	1.7396	0.0666	0.1112	0.0002
Base	-7989		SY Max	0.5151	0.5119	0.5921	0.4489	0.0231	0.0006
Base	-7989		CIM1	0.1213	0.0719	2.7234	-0.0922	0.0109	-0.0001
Base	-7989		CIM2 Max	1.6075	0.1414	3.9014	0.0111	0.1052	0.0001
Base	-7989		CIM2 Min	-1.453	-0.0397	0.6397	-0.1417	-0.0905	-0.0002
Base	-7989		CIM3 Max	0.5305	0.5014	3.1556	0.3296	0.0276	0.0004
Base	-7989		CIM3 Min	-0.376	-0.3996	1.5856	-0.4604	-0.0129	-0.0005
Base	-7989		CIM4 Max	1.256	0.1346	3.7633	-0.0262	0.0634	0.0001
Base	-7989		CIM4 Min	-1.0374	-0.0013	1.467	-0.1428	-0.0634	-0.0002
Base	-7989		CIM5 Max	0.4502	0.4045	3.2239	0.2106	0.0252	0.0003
Base	-7989		CIM5 Min	-0.2296	-0.2712	2.0464	-0.3616	-0.0052	-0.0004
Base	-7989		CIM6 Max	1.5766	0.1211	2.9532	0.0372	0.1023	0.0001
Base	-7989		CIM6 Min	-1.4639	-0.06	-0.1055	-0.1156	-0.0935	-0.0002
Base	-7989		CIM7 Max	0.4996	0.461	2.2074	0.3559	0.0247	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-7959		CIM7 Min	-0.4069	-0.42	0.6373	-0.4343	-0.0159	-0.0005
Base	-7995		PP	-0.1322	0.0192	1.7445	-0.0201	-0.0061	0.0001
Base	-7995		CA	-0.0065	0.0693	0.7466	-0.0719	-0.0036	0.0004
Base	-7995		CV	-0.0074	0.0365	0.4033	-0.0379	-0.0023	0.0002
Base	-7995		SX Max	1.5163	0.1162	4.0702	0.0958	0.1142	0.0004
Base	-7995		SY Max	0.3932	0.7546	0.675	0.6232	0.0214	0.0025
Base	-7995		CIM1	-0.1461	0.125	2.6945	-0.1295	-0.0142	0.0006
Base	-7995		CIM2 Max	1.1956	0.1906	6.0731	-0.0076	0.0656	0.0006
Base	-7995		CIM2 Min	-1.4731	-0.0137	-1.0905	-0.1763	-0.1124	0.0001
Base	-7995		CIM3 Max	0.2073	0.7526	3.0853	0.4565	0.007	0.0027
Base	-7995		CIM3 Min	-0.4546	-0.5756	1.6972	-0.6403	-0.0306	-0.0016
Base	-7995		CIM4 Max	0.6565	0.1926	5.46	-0.0571	0.0616	0.0009
Base	-7995		CIM4 Min	-1.145	0.0392	0.1074	-0.1636	-0.059	0.0003
Base	-7995		CIM5 Max	0.1153	0.614	3.2392	0.291	0.0005	0.0023
Base	-7995		CIM5 Min	-0.4036	-0.3622	2.3462	-0.5316	-0.0276	-0.0011
Base	-7995		CIM6 Max	1.2511	0.1553	5.0765	0.0292	0.0933	0.0006
Base	-7995		CIM6 Min	-1.4176	-0.0491	-2.067	-0.1395	-0.1076	-0.0001
Base	-7995		CIM7 Max	0.2626	0.7172	2.0666	0.4932	0.0117	0.0025
Base	-7995		CIM7 Min	-0.4293	-0.611	0.9007	-0.6035	-0.026	-0.002
Base	-8005		PP	0.1771	-0.0124	1.5769	0.0123	0.0105	3.571E-05
Base	-8005		CA	0.0352	-0.0425	0.9407	0.0419	0.0033	0.0001
Base	-8005		CV	0.0164	-0.0223	0.4566	0.022	0.0016	0.0001
Base	-8005		SX Max	1.506	0.1216	4.2909	0.1014	0.1102	0.0004
Base	-8005		SY Max	0.025	0.6277	0.0853	0.6916	0.0016	0.0025
Base	-8005		CIM1	0.2267	-0.0773	3.0062	0.0761	0.0154	0.0002
Base	-8005		CIM2 Max	1.5394	0.0523	6.2956	0.1434	0.1106	0.0005
Base	-8005		CIM2 Min	-1.1147	-0.1621	-1.2564	-0.0351	-0.0532	-0.0002
Base	-8005		CIM3 Max	0.2344	0.6734	2.5946	0.6629	0.0154	0.0024
Base	-8005		CIM3 Min	0.1903	-0.7633	2.4445	-0.5546	0.0123	-0.002
Base	-8005		CIM4 Max	1.2199	0.0067	5.7165	0.1375	0.0677	0.0004
Base	-8005		CIM4 Min	-0.7706	-0.1521	0.0525	0.0037	-0.0577	-3.306E-05
Base	-8005		CIM5 Max	0.2412	0.4746	2.9406	0.5272	0.0162	0.0019
Base	-8005		CIM5 Min	0.2051	-0.616	2.6262	-0.3659	0.0135	-0.0014
Base	-8005		CIM6 Max	1.4545	0.0742	5.2677	0.1217	0.1052	0.0004
Base	-8005		CIM6 Min	-1.1996	-0.1402	-2.2643	-0.0568	-0.0687	-0.0002
Base	-8005		CIM7 Max	0.1495	0.6954	1.5866	0.6412	0.0096	0.0023
Base	-8005		CIM7 Min	0.1054	-0.7613	1.4367	-0.5763	0.0067	-0.0021
Base	-8015		PP	0.115	-0.0132	1.5516	0.014	0.0056	3.117E-06
Base	-8015		CA	-0.0426	-0.0451	0.6977	0.0476	-0.0037	1.053E-05
Base	-8015		CV	-0.0249	-0.0237	0.4675	0.0251	-0.0021	5.505E-06
Base	-8015		SX Max	1.5296	0.0677	2.4365	0.08	0.1166	0.0001
Base	-8015		SY Max	0.0294	0.6036	0.0576	0.5637	0.0019	0.0003
Base	-8015		CIM1	0.0475	-0.0519	2.9171	0.0569	-0.0002	1.915E-05
Base	-8015		CIM2 Max	1.5626	0.0169	4.5954	0.1322	0.1063	0.0001
Base	-8015		CIM2 Min	-1.5376	-0.1354	0.3036	-0.0067	-0.1025	-3.959E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6015		CIM3 Max	0.0963	0.4731	2.5002	0.5576	0.0036	0.0003
Base	6015		CIM3 Min	0.0466	-0.5696	2.3966	-0.4343	0.0002	-0.0003
Base	6015		CIM4 Max	1.2614	-0.0162	4.4096	0.1334	0.0756	0.0001
Base	6015		CIM4 Min	-1.1539	-0.1339	1.1906	0.0276	-0.076	-2.215E-05
Base	6015		CIM5 Max	0.0732	0.3225	2.6362	0.4526	0.0016	0.0002
Base	6015		CIM5 Min	0.0344	-0.4745	2.7621	-0.2914	-0.001	-0.0002
Base	6015		CIM6 Max	1.6537	0.0422	3.6156	0.1075	0.1055	0.0001
Base	6015		CIM6 Min	-1.5666	-0.1121	-0.6762	-0.0334	-0.1032	-4.504E-05
Base	6015		CIM7 Max	0.0693	0.4964	1.5204	0.5331	0.0026	0.0003
Base	6015		CIM7 Min	0.0176	-0.5663	1.419	-0.459	-0.0005	-0.0003
Base	6021		PP	0.065	-0.013	1.5595	0.0144	0.0037	-1.712E-05
Base	6021		CA	-0.0513	-0.0447	0.6369	0.0492	-0.003	-0.0001
Base	6021		CV	-0.0453	-0.0235	0.4375	0.0256	-0.0016	-3.084E-05
Base	6021		SX Max	1.9586	0.0731	1.5354	0.0634	0.1221	0.0001
Base	6021		SY Max	0.0303	0.5071	0.047	0.4691	0.0019	0.0002
Base	6021		CIM1	-0.0616	-0.0612	2.634	0.0694	-0.0011	-0.0001
Base	6021		CIM2 Max	1.7337	0.0067	3.7476	0.1194	0.1061	-2.942E-05
Base	6021		CIM2 Min	-1.7662	-0.122	1.0454	0.0077	-0.1066	-0.0001
Base	6021		CIM3 Max	0.0104	0.3665	2.4376	0.4764	0.0023	0.0001
Base	6021		CIM3 Min	-0.0429	-0.5039	2.3552	-0.3493	-0.001	-0.0002
Base	6021		CIM4 Max	1.2622	-0.027	3.736	0.1246	0.0799	-0.0001
Base	6021		CIM4 Min	-1.3627	-0.1236	1.7113	0.0411	-0.0812	-0.0001
Base	6021		CIM5 Max	-0.0303	0.2594	2.7556	0.3925	0.0006	3.579E-06
Base	6021		CIM5 Min	-0.0702	-0.41	2.6936	-0.2267	-0.0019	-0.0002
Base	6021		CIM6 Max	1.7402	0.0296	2.769	0.0939	0.1078	9.633E-07
Base	6021		CIM6 Min	-1.7597	-0.099	0.0666	-0.0177	-0.107	-0.0001
Base	6021		CIM7 Max	0.0169	0.4116	1.4792	0.451	0.002	0.0001
Base	6021		CIM7 Min	-0.0364	-0.4606	1.3866	-0.3747	-0.0013	-0.0002
Base	6027		PP	0.1636	-0.0055	1.5631	0.0029	0.0093	0.0001
Base	6027		CA	-0.0315	-0.0046	0.2459	0.0033	-0.0001	2.913E-05
Base	6027		CV	-0.019	-0.0024	0.1163	0.0017	-0.0003	1.467E-05
Base	6027		SX Max	2.4791	0.1469	2.425	0.0634	0.1557	0.0005
Base	6027		SY Max	0.5576	0.2194	1.7913	0.1943	0.0219	0.0006
Base	6027		CIM1	0.1133	-0.0125	1.9473	0.0079	0.0069	0.0001
Base	6027		CIM2 Max	2.3139	0.1191	3.9629	0.062	0.1462	0.0005
Base	6027		CIM2 Min	-2.0493	-0.1394	-0.305	-0.0486	-0.1279	-0.0003
Base	6027		CIM3 Max	0.6232	0.163	3.4053	0.1772	0.0264	0.0006
Base	6027		CIM3 Min	-0.3566	-0.2033	0.2526	-0.1646	-0.0101	-0.0004
Base	6027		CIM4 Max	1.7543	0.065	3.5162	0.0493	0.1117	0.0004
Base	6027		CIM4 Min	-1.5162	-0.1089	0.3173	-0.0344	-0.0936	-0.0002
Base	6027		CIM5 Max	0.4662	0.1329	3.1	0.1357	0.0234	0.0005
Base	6027		CIM5 Min	-0.2501	-0.1566	0.7355	-0.1206	-0.0055	-0.0003
Base	6027		CIM6 Max	2.261	0.1232	3.2313	0.0596	0.1425	0.0005
Base	6027		CIM6 Min	-2.1023	-0.1353	-1.0366	-0.0521	-0.1316	-0.0004
Base	6027		CIM7 Max	0.5702	0.167	2.6737	0.1747	0.0247	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6027		CIM7 Min	-0.4115	-0.1992	-0.4789	-0.1672	-0.0137	-0.0005
Base	6037		PP	0.1076	-0.0004	1.5603	0.001	0.0054	-1.96E-05
Base	6037		CA	0.009	-0.0007	0.1376	0.0014	0.0012	-1.36E-05
Base	6037		CV	0.0016	-0.0004	0.0664	0.0007	0.0004	-7.06ZE-06
Base	6037		SX Max	2.6666	0.1296	1.2429	0.0664	0.1553	0.0005
Base	6037		SY Max	0.4714	0.4627	0.9627	0.3784	0.0201	0.0007
Base	6037		CIM1	0.1164	-0.0016	1.7643	0.0031	0.007	-4.066E-05
Base	6037		CIM2 Max	2.4632	0.1129	2.7917	0.0784	0.1433	0.0004
Base	6037		CIM2 Min	-2.23	-0.1152	0.6041	-0.0736	-0.1301	-0.0004
Base	6037		CIM3 Max	0.5314	0.406	2.5451	0.3354	0.0243	0.0006
Base	6037		CIM3 Min	-0.2962	-0.4063	0.8507	-0.3307	-0.0111	-0.0006
Base	6037		CIM4 Max	1.8779	0.0841	2.566	0.0599	0.1094	0.0003
Base	6037		CIM4 Min	-1.642	-0.087	0.9273	-0.0541	-0.0956	-0.0003
Base	6037		CIM5 Max	0.4291	0.3039	2.3631	0.2527	0.0202	0.0004
Base	6037		CIM5 Min	-0.1932	-0.3066	1.1123	-0.2469	-0.0063	-0.0005
Base	6037		CIM6 Max	2.4166	0.1133	2.1125	0.0774	0.1406	0.0004
Base	6037		CIM6 Min	-2.2767	-0.1147	-0.075	-0.0746	-0.1327	-0.0004
Base	6037		CIM7 Max	0.4646	0.4064	1.6659	0.3345	0.0216	0.0006
Base	6037		CIM7 Min	-0.3449	-0.4076	0.1716	-0.3316	-0.0137	-0.0006
Base	6043		PP	0.0592	6.049E-06	1.5804	0.0003	0.003	-3.848E-06
Base	6043		CA	0.0163	6.202E-06	0.1242	0.0005	0.0011	-4.679E-06
Base	6043		CV	0.0063	1.424E-05	0.0621	0.0002	0.0004	-2.536E-06
Base	6043		SX Max	2.7517	0.1397	0.6654	0.1061	0.1578	0.0003
Base	6043		SY Max	0.4124	0.6655	0.5132	0.5265	0.0166	0.0004
Base	6043		CIM1	0.0636	2.649E-05	1.7667	0.001	0.0045	-1.126E-05
Base	6043		CIM2 Max	2.499	0.1229	2.2902	0.0959	0.1429	0.0002
Base	6043		CIM2 Min	-2.3441	-0.1229	1.1191	-0.0944	-0.1347	-0.0002
Base	6043		CIM3 Max	0.4403	0.5656	2.1562	0.4659	0.0205	0.0003
Base	6043		CIM3 Min	-0.2654	-0.5656	1.253	-0.4643	-0.0123	-0.0003
Base	6043		CIM4 Max	1.5963	0.0922	2.1904	0.0723	0.1065	0.0002
Base	6043		CIM4 Min	-1.734	-0.0922	1.312	-0.0704	-0.0996	-0.0002
Base	6043		CIM5 Max	0.3544	0.4392	2.0699	0.3497	0.0167	0.0002
Base	6043		CIM5 Min	-0.19	-0.4392	1.4125	-0.3479	-0.0079	-0.0003
Base	6043		CIM6 Max	2.466	0.1229	1.6063	0.0956	0.1413	0.0002
Base	6043		CIM6 Min	-2.3751	-0.1229	0.4372	-0.0947	-0.1364	-0.0002
Base	6043		CIM7 Max	0.4093	0.5656	1.4744	0.4656	0.0166	0.0003
Base	6043		CIM7 Min	-0.3164	-0.5656	0.5712	-0.4646	-0.0139	-0.0003
Base	6049		PP	0.023	2.391E-05	1.5913	0.0001	0.0011	-6.495E-07
Base	6049		CA	0.0171	4.523E-05	0.1271	0.0002	0.0006	-7.163E-07
Base	6049		CV	0.0054	3.378E-05	0.0656	3.726E-05	0.0002	0
Base	6049		SX Max	2.6134	0.1752	0.264	0.135	0.16	0.0002
Base	6049		SY Max	0.3757	0.7757	0.1905	0.6083	0.0174	0.0002
Base	6049		CIM1	0.0455	0.0001	1.764	0.0003	0.0022	-1.94E-06
Base	6049		CIM2 Max	2.5159	0.1543	1.9507	0.1191	0.1426	0.0002
Base	6049		CIM2 Min	-2.4357	-0.1541	1.4661	-0.1166	-0.1389	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6049		CIM3 Max	0.3707	0.6626	1.6861	0.5355	0.0172	0.0002
Base	6049		CIM3 Min	-0.2905	-0.6625	1.5507	-0.5351	-0.0134	-0.0002
Base	6049		CIM4 Max	1.901	0.1157	1.9419	0.0894	0.1077	0.0001
Base	6049		CIM4 Min	-1.6127	-0.1156	1.5934	-0.0869	-0.1035	-0.0001
Base	6049		CIM5 Max	0.2921	0.512	1.6934	0.4017	0.0136	0.0001
Base	6049		CIM5 Min	-0.2036	-0.5116	1.6419	-0.4012	-0.0094	-0.0001
Base	6049		CIM6 Max	2.4999	0.1542	1.2634	0.119	0.142	0.0002
Base	6049		CIM6 Min	-2.4517	-0.1542	0.7967	-0.1167	-0.1397	-0.0002
Base	6049		CIM7 Max	0.3547	0.6626	1.1967	0.5354	0.0164	0.0002
Base	6049		CIM7 Min	-0.3066	-0.6625	0.6634	-0.5352	-0.0141	-0.0002
Base	6055		PP	-0.0092	3.219E-05	1.5946	-0.0001	-0.0004	-7.71E-07
Base	6055		CA	0.0156	0.0001	0.1336	1.007E-05	0.0008	-7.64E-07
Base	6055		CV	0.0046	4.352E-05	0.0706	-3.744E-05	0.0002	0
Base	6055		SX Max	2.5411	0.1966	0.0646	0.1503	0.161	0.0002
Base	6055		SY Max	0.3699	0.7626	0.069	0.5967	0.0172	0.0002
Base	6055		CIM1	0.0112	0.0001	1.799	-0.0001	0.0006	-1.946E-06
Base	6055		CIM2 Max	2.5067	0.1731	1.765	0.1322	0.1421	0.0002
Base	6055		CIM2 Min	-2.4936	-0.1729	1.6713	-0.1323	-0.1413	-0.0002
Base	6055		CIM3 Max	0.3321	0.6712	1.6065	0.5266	0.0156	0.0002
Base	6055		CIM3 Min	-0.319	-0.671	1.6496	-0.5269	-0.0147	-0.0002
Base	6055		CIM4 Max	1.6552	0.1299	1.6239	0.0991	0.1069	0.0001
Base	6055		CIM4 Min	-1.665	-0.1296	1.7366	-0.0993	-0.1057	-0.0001
Base	6055		CIM5 Max	0.2542	0.5035	1.64	0.395	0.0119	0.0001
Base	6055		CIM5 Min	-0.2341	-0.5032	1.7225	-0.3952	-0.0106	-0.0001
Base	6055		CIM6 Max	2.5041	0.1731	1.0937	0.1323	0.142	0.0002
Base	6055		CIM6 Min	-2.4962	-0.173	0.9501	-0.1323	-0.1414	-0.0002
Base	6055		CIM7 Max	0.3295	0.6712	1.1153	0.5266	0.0154	0.0002
Base	6055		CIM7 Min	-0.3216	-0.671	0.9565	-0.5268	-0.0149	-0.0002
Base	6061		PP	-0.045	0.0001	1.5903	-0.0002	-0.0024	-1.419E-06
Base	6061		CA	0.0149	3.104E-05	0.1443	-0.0001	0.0006	-9.051E-07
Base	6061		CV	0.0043	2.769E-05	0.0763	-0.0001	0.0001	-5.193E-07
Base	6061		SX Max	2.5363	0.1901	0.4018	0.1444	0.1618	0.0001
Base	6061		SY Max	0.3901	0.6267	0.3864	0.501	0.0179	0.0004
Base	6061		CIM1	-0.0259	0.0001	1.8128	-0.0003	-0.0017	-2.643E-06
Base	6061		CIM2 Max	2.4656	0.1674	2.0552	0.1268	0.1406	0.0001
Base	6061		CIM2 Min	-2.5261	-0.1672	1.361	-0.1273	-0.1441	-0.0001
Base	6061		CIM3 Max	0.3131	0.5516	2.0747	0.4406	0.014	0.0004
Base	6061		CIM3 Min	-0.3734	-0.5514	1.3946	-0.4411	-0.0175	-0.0004
Base	6061		CIM4 Max	1.645	0.1256	2.0565	0.095	0.105	0.0001
Base	6061		CIM4 Min	-1.6869	-0.1254	1.5261	-0.0956	-0.1055	-0.0001
Base	6061		CIM5 Max	0.2305	0.4137	2.0463	0.3303	0.0101	0.0003
Base	6061		CIM5 Min	-0.2844	-0.4135	1.5363	-0.3309	-0.0135	-0.0003
Base	6061		CIM6 Max	2.4779	0.1673	1.3943	0.1269	0.1413	0.0001
Base	6061		CIM6 Min	-2.5141	-0.1672	0.6572	-0.1272	-0.1434	-0.0001
Base	6061		CIM7 Max	0.3252	0.5515	1.3606	0.4407	0.0147	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6061		CIM7 Min	-0.3614	-0.5514	0.7007	-0.441	-0.0166	-0.0004
Base	6067		PP	-0.0949	0.0002	1.5746	-0.0005	-0.0043	-5.563E-06
Base	6067		CA	0.014	0.0001	0.1616	-0.0001	0.0007	-1.472E-06
Base	6067		CV	0.004	4.944E-05	0.0597	-0.0001	0.0002	-1.002E-06
Base	6067		SX Max	2.7964	0.1562	0.841	0.1164	0.1601	0.0004
Base	6067		SY Max	0.4169	0.3964	0.76	0.3386	0.0191	0.0006
Base	6067		CIM1	-0.077	0.0003	1.6261	-0.0007	-0.0034	-6.057E-06
Base	6067		CIM2 Max	2.3616	0.1377	2.4765	0.1016	0.1373	0.0003
Base	6067		CIM2 Min	-2.5435	-0.1372	0.9963	-0.103	-0.1445	-0.0003
Base	6067		CIM3 Max	0.2676	0.3491	2.4052	0.2974	0.0132	0.0007
Base	6067		CIM3 Min	-0.4496	-0.3466	1.0676	-0.2966	-0.0204	-0.0007
Base	6067		CIM4 Max	1.7659	0.1034	2.3567	0.0761	0.1022	0.0002
Base	6067		CIM4 Min	-1.9249	-0.1026	1.2466	-0.0775	-0.1092	-0.0003
Base	6067		CIM5 Max	0.1965	0.262	2.3053	0.2228	0.0092	0.0005
Base	6067		CIM5 Min	-0.3544	-0.2613	1.3021	-0.2242	-0.0161	-0.0005
Base	6067		CIM6 Max	2.414	0.1376	1.7619	0.1021	0.1388	0.0003
Base	6067		CIM6 Min	-2.5112	-0.1373	0.3016	-0.1028	-0.1431	-0.0003
Base	6067		CIM7 Max	0.32	0.349	1.7106	0.2976	0.0147	0.0007
Base	6067		CIM7 Min	-0.4172	-0.3467	0.373	-0.2963	-0.019	-0.0007
Base	6073		PP	-0.1774	0.0019	1.5545	-0.0012	-0.0093	1.09E-05
Base	6073		CA	0.0054	0.0006	0.1591	-0.0004	-2.172E-05	3.563E-06
Base	6073		CV	-0.0003	0.0004	0.1077	-0.0003	-0.0002	2.425E-06
Base	6073		SX Max	2.5674	0.1196	1.7216	0.0699	0.1644	0.0004
Base	6073		SY Max	0.4003	0.1382	1.274	0.1607	0.016	0.0006
Base	6073		CIM1	-0.1723	0.0029	1.6512	-0.0019	-0.0096	1.69E-05
Base	6073		CIM2 Max	2.1753	0.1077	3.2566	0.0599	0.1353	0.0003
Base	6073		CIM2 Min	-2.5193	-0.1026	0.2265	-0.0631	-0.154	-0.0003
Base	6073		CIM3 Max	0.1602	0.1241	2.6647	0.1398	0.0065	0.0007
Base	6073		CIM3 Min	-0.5242	-0.1191	0.6224	-0.143	-0.0252	-0.0007
Base	6073		CIM4 Max	1.5663	0.0817	2.9606	0.0443	0.099	0.0003
Base	6073		CIM4 Min	-1.9327	-0.0762	0.6661	-0.0479	-0.118	-0.0002
Base	6073		CIM5 Max	0.092	0.094	2.6652	0.1043	0.0023	0.0005
Base	6073		CIM5 Min	-0.4364	-0.0585	0.9535	-0.1079	-0.0214	-0.0005
Base	6073		CIM6 Max	2.2441	0.1067	2.5611	0.0606	0.1391	0.0003
Base	6073		CIM6 Min	-2.4505	-0.1036	-0.4669	-0.0625	-0.1503	-0.0003
Base	6073		CIM7 Max	0.249	0.1231	2.1673	0.1405	0.0102	0.0007
Base	6073		CIM7 Min	-0.4554	-0.1201	-0.075	-0.1424	-0.0214	-0.0007
Base	6083		PP	-0.0006	0.1924	1.7445	-0.0115	-0.0003	9.173E-07
Base	6083		CA	-0.0022	0.0464	0.3696	-0.0068	-0.0009	3.176E-06
Base	6083		CV	-0.0011	0.0303	0.2236	-0.004	-0.0005	1.545E-06
Base	6083		SX Max	0.7366	0.2626	0.7359	0.0162	0.6773	0.0029
Base	6083		SY Max	0.0126	1.7722	5.099	0.1227	0.0106	4.612E-05
Base	6083		CIM1	-0.004	0.269	2.3561	-0.0223	-0.0017	5.641E-06
Base	6083		CIM2 Max	0.6473	0.4696	2.7619	-0.0023	0.5946	0.0026
Base	6083		CIM2 Min	-0.6529	0.0076	1.4667	-0.0344	-0.5972	-0.0026

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6053		CIM3 Max	0.0053	1.7953	6.6214	0.0697	0.0051	4.466E-05
Base	6053		CIM3 Min	-0.0139	-1.3209	-2.3526	-0.1263	-0.0105	-3.649E-05
Base	6053		CIM4 Max	0.4639	0.4347	2.7676	-0.0093	0.4454	0.0019
Base	6053		CIM4 Min	-0.4913	0.0851	1.8165	-0.0334	-0.4466	-0.0019
Base	6053		CIM5 Max	0.0046	1.4311	5.6675	0.0597	0.0054	3.569E-05
Base	6053		CIM5 Min	-0.012	-0.9063	-1.0632	-0.1023	-0.0086	-2.516E-05
Base	6053		CIM6 Max	0.6464	0.3744	1.9261	0.005	0.5953	0.0026
Base	6053		CIM6 Min	-0.6516	-0.0879	0.633	-0.0271	-0.5967	-0.0026
Base	6053		CIM7 Max	0.0094	1.7026	5.7677	0.097	0.0056	4.304E-05
Base	6053		CIM7 Min	-0.0126	-1.4163	-3.2065	-0.119	-0.01	-3.613E-05
Base	6093		PP	-0.0011	0.0896	1.7332	-0.0037	-4.035E-06	6.555E-06
Base	6093		CA	-0.0036	-0.0177	0.3566	0.0043	0	2.216E-05
Base	6093		CV	-0.0019	-0.0023	0.1964	0.0016	-2.03E-05	1.166E-05
Base	6093		SX Max	0.6941	0.315	0.3402	0.0206	0.6794	0.0003
Base	6093		SY Max	0.0146	2.1162	2.3735	0.1396	0.0116	5.696E-06
Base	6093		CIM1	-0.0065	0.0796	2.2663	0.0024	-2.386E-05	4.04E-05
Base	6093		CIM2 Max	0.6062	0.3593	2.3892	0.0166	0.5979	0.0003
Base	6093		CIM2 Min	-0.6154	-0.1951	1.7905	-0.0175	-0.5979	-0.0002
Base	6093		CIM3 Max	0.0053	1.9461	4.1786	0.1237	0.0102	3.393E-05
Base	6093		CIM3 Min	-0.0175	-1.7619	0.0011	-0.1224	-0.0102	2.355E-05
Base	6093		CIM4 Max	0.4521	0.2663	2.4617	0.0156	0.4454	0.0002
Base	6093		CIM4 Min	-0.4641	-0.1275	2.0127	-0.0116	-0.4464	-0.0001
Base	6093		CIM5 Max	0.0036	1.4764	3.5037	0.0943	0.0076	4.136E-05
Base	6093		CIM5 Min	-0.0157	-1.3176	0.6707	-0.0903	-0.0077	3.36E-05
Base	6093		CIM6 Max	0.606	0.3264	1.5533	0.0165	0.5979	0.0002
Base	6093		CIM6 Min	-0.6135	-0.2279	0.9546	-0.0177	-0.5979	-0.0002
Base	6093		CIM7 Max	0.0101	1.9133	3.3426	0.1234	0.0102	2.243E-05
Base	6093		CIM7 Min	-0.0156	-1.6147	-0.6348	-0.1226	-0.0102	1.205E-05
Base	6099		PP	-0.0015	0.0459	1.7446	-0.0031	0.001	1.174E-05
Base	6099		CA	-0.0052	-0.0027	0.3194	-0.0029	0.0032	3.969E-05
Base	6099		CV	-0.0027	0.0061	0.1712	-0.002	0.0017	2.089E-05
Base	6099		SX Max	0.746	0.3352	0.1246	0.0192	0.7169	0.0002
Base	6099		SY Max	0.016	2.2465	0.6569	0.1267	0.0124	7.762E-06
Base	6099		CIM1	-0.0095	0.0493	2.2354	-0.0061	0.0059	0.0001
Base	6099		CIM2 Max	0.6515	0.3362	2.1736	0.0106	0.6351	0.0002
Base	6099		CIM2 Min	-0.665	-0.2516	1.9546	-0.023	-0.6267	-0.0001
Base	6099		CIM3 Max	0.0074	2.0201	2.62	0.1072	0.0151	0.0001
Base	6099		CIM3 Min	-0.0205	-1.9337	1.3064	-0.1193	-0.0067	4.456E-05
Base	6099		CIM4 Max	0.4649	0.269	2.2746	0.0051	0.4756	0.0002
Base	6099		CIM4 Min	-0.5025	-0.1735	2.1104	-0.0203	-0.4677	-0.0001
Base	6099		CIM5 Max	0.0016	1.5304	2.7595	0.0774	0.0136	0.0001
Base	6099		CIM5 Min	-0.0194	-1.4349	1.6257	-0.0925	-0.0027	0.0001
Base	6099		CIM6 Max	0.6542	0.3209	1.3461	0.0133	0.6334	0.0002
Base	6099		CIM6 Min	-0.6623	-0.2691	1.1269	-0.0206	-0.6264	-0.0001
Base	6099		CIM7 Max	0.0101	2.0026	1.9943	0.1096	0.0134	3.771E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6099		CIM7 Min	-0.0161	-1.951	0.4627	-0.1169	-0.0064	2.401E-05
Base	6105		PP	-0.0012	-0.0056	1.741	0.0006	0.0036	1.369E-05
Base	6105		CA	-0.004	-0.0276	0.2639	0.0033	0.0123	4.629E-05
Base	6105		CV	-0.0021	-0.0064	0.1464	0.0012	0.0065	2.437E-05
Base	6105		SX Max	0.8137	0.3596	0.0343	0.022	0.7735	0.0004
Base	6105		SY Max	0.0153	2.4225	0.2572	0.1498	0.0123	1.546E-05
Base	6105		CIM1	-0.0073	-0.04	2.1733	0.0054	0.0224	0.0001
Base	6105		CIM2 Max	0.7109	0.2629	2.055	0.0235	0.6966	0.0004
Base	6105		CIM2 Min	-0.7213	-0.35	1.9947	-0.0153	-0.6647	-0.0003
Base	6105		CIM3 Max	0.0062	2.0963	2.2512	0.136	0.0267	0.0001
Base	6105		CIM3 Min	-0.0166	-2.1654	1.7965	-0.1277	0.0052	4.636E-05
Base	6105		CIM4 Max	0.5303	0.199	2.1566	0.0196	0.5313	0.0004
Base	6105		CIM4 Min	-0.5436	-0.2757	2.1136	-0.0095	-0.4597	-0.0002
Base	6105		CIM5 Max	0.0033	1.5605	2.306	0.1039	0.0269	0.0001
Base	6105		CIM5 Min	-0.0169	-1.6373	1.9664	-0.0938	0.0127	0.0001
Base	6105		CIM6 Max	0.7129	0.2963	1.2451	0.0219	0.6902	0.0004
Base	6105		CIM6 Min	-0.7192	-0.3366	1.1846	-0.0169	-0.6711	-0.0003
Base	6105		CIM7 Max	0.0103	2.1117	1.4413	0.1343	0.0204	4.96E-05
Base	6105		CIM7 Min	-0.0166	-2.152	0.9586	-0.1294	-0.0012	2.239E-05
Base	6111		PP	0.0015	-0.0453	1.7267	0.0016	0.0096	1.654E-05
Base	6111		CA	0.005	-0.0079	0.2511	-0.0013	0.0325	0.0001
Base	6111		CV	0.0026	0.0036	0.1275	-0.0011	0.0171	2.944E-05
Base	6111		SX Max	0.8762	0.3509	0.1762	0.0196	0.8309	0.0004
Base	6111		SY Max	0.0137	2.3636	1.2461	0.1329	0.0116	1.212E-05
Base	6111		CIM1	0.0091	-0.0494	2.1053	-0.0006	0.0591	0.0001
Base	6111		CIM2 Max	0.7775	0.2556	2.1329	0.0179	0.7733	0.0004
Base	6111		CIM2 Min	-0.7645	-0.3621	1.6227	-0.0169	-0.6892	-0.0003
Base	6111		CIM3 Max	0.0186	2.0269	3.0744	0.1175	0.0522	0.0001
Base	6111		CIM3 Min	-0.0056	-2.1334	0.8613	-0.1164	0.0319	0.0001
Base	6111		CIM4 Max	0.5666	0.1612	2.1697	0.0128	0.6033	0.0003
Base	6111		CIM4 Min	-0.5696	-0.262	1.9572	-0.0134	-0.4936	-0.0001
Base	6111		CIM5 Max	0.0175	1.5097	2.8859	0.0674	0.0625	0.0001
Base	6111		CIM5 Min	-0.0006	-1.6105	1.251	-0.055	0.0472	0.0001
Base	6111		CIM6 Max	0.7749	0.2769	1.3417	0.0177	0.7564	0.0004
Base	6111		CIM6 Min	-0.7671	-0.3406	1.0316	-0.0171	-0.706	-0.0003
Base	6111		CIM7 Max	0.016	2.0462	2.2532	0.1173	0.0354	0.0001
Base	6111		CIM7 Min	-0.0062	-2.1121	0.0901	-0.1167	0.015	3.262E-05
Base	6117		PP	0.0069	-0.1057	1.6995	0.005	0.0206	3.214E-05
Base	6117		CA	0.0301	-0.0167	0.2291	0.0013	0.0705	0.0001
Base	6117		CV	0.0156	-0.001	0.1116	0.0002	0.0371	0.0001
Base	6117		SX Max	0.917	0.3402	0.3476	0.0217	0.8796	0.0004
Base	6117		SY Max	0.0125	2.3042	2.4265	0.1475	0.0111	6.244E-06
Base	6117		CIM1	0.0547	-0.1234	2.0402	0.0066	0.1265	0.0002
Base	6117		CIM2 Max	0.8459	0.177	2.2344	0.0254	0.8655	0.0005
Base	6117		CIM2 Min	-0.766	-0.4216	1.6227	-0.0127	-0.6527	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-6117		CIM3 Max	0.05	1.9053	4.0656	0.1362	0.1012	0.0001
Base	-6117		CIM3 Min	0.0279	-2.1501	-0.2065	-0.1234	0.0616	0.0001
Base	-6117		CIM4 Max	0.656	0.1014	2.2416	0.0206	0.6996	0.0005
Base	-6117		CIM4 Min	-0.5544	-0.3476	1.7629	-0.0078	-0.4613	-0.0001
Base	-6117		CIM5 Max	0.0591	1.3977	3.615	0.1039	0.1266	0.0002
Base	-6117		CIM5 Min	0.0425	-1.6439	0.4095	-0.0906	0.1119	0.0002
Base	-6117		CIM6 Max	0.6303	0.226	1.463	0.0229	0.6269	0.0005
Base	-6117		CIM6 Min	-0.7636	-0.3726	0.6513	-0.0152	-0.7192	-0.0003
Base	-6117		CIM7 Max	0.0344	1.9543	3.2942	0.1336	0.0646	0.0001
Base	-6117		CIM7 Min	0.0123	-2.1011	-0.9799	-0.126	0.0451	0.0001
Base	-6123		PP	0.0323	-0.163	1.6952	0.0097	0.0368	-0.0003
Base	-6123		CA	0.1092	-0.0206	0.2077	0.0004	0.1313	-0.001
Base	-6123		CV	0.0575	-0.0044	0.0922	-0.0002	0.0691	-0.0005
Base	-6123		SX Max	1.0204	0.2828	0.656	0.0156	0.9195	0.0034
Base	-6123		SY Max	0.0131	1.9216	4.7242	0.126	0.0114	4.534E-05
Base	-6123		CIM1	0.199	-0.206	1.9951	0.0099	0.2392	-0.0019
Base	-6123		CIM2 Max	1.0394	0.0452	2.5066	0.0266	0.9793	0.0017
Base	-6123		CIM2 Min	-0.7565	-0.4524	1.2993	-0.0063	-0.6391	-0.0044
Base	-6123		CIM3 Max	0.153	1.4676	6.0602	0.1211	0.1501	-0.0013
Base	-6123		CIM3 Min	0.13	-1.6946	-2.2543	-0.1006	0.1601	-0.0014
Base	-6123		CIM4 Max	0.6561	-0.0203	2.4246	0.0223	0.6268	0.0005
Base	-6123		CIM4 Min	-0.4869	-0.3935	1.5193	-0.0023	-0.365	-0.004
Base	-6123		CIM5 Max	0.1932	1.0615	5.09	0.0932	0.2294	-0.0017
Base	-6123		CIM5 Min	0.176	-1.4753	-1.1459	-0.0732	0.2144	-0.0016
Base	-6123		CIM6 Max	0.9626	0.1267	1.7454	0.0225	0.9113	0.0022
Base	-6123		CIM6 Min	-0.6131	-0.371	0.5361	-0.0103	-0.7071	-0.0036
Base	-6123		CIM7 Max	0.0964	1.569	5.299	0.117	0.112	-0.0006
Base	-6123		CIM7 Min	0.0734	-1.6133	-3.0155	-0.1046	0.0921	-0.0006
Base	-6133		PP	0	-0.0003	1.1395	-0.0001	0	0
Base	-6133		CA	6.156E-06	-0.0003	0.4794	-0.0004	6.399E-06	0
Base	-6133		CV	-5.614E-06	-0.0006	0.2523	-0.0003	-5.935E-06	0
Base	-6133		SX Max	0.6164	0.0201	3.39E-05	0.0036	0.4661	2.672E-06
Base	-6133		SY Max	0.0034	0.2321	3.2E-05	0.0245	0.0022	0
Base	-6133		CIM1	-2.586E-06	-0.0014	1.6712	-0.0006	-2.703E-06	0
Base	-6133		CIM2 Max	0.5442	0.017	1.6169	0.0027	0.4102	2.349E-06
Base	-6133		CIM2 Min	-0.5441	-0.0163	1.6166	-0.0037	-0.4102	-2.354E-06
Base	-6133		CIM3 Max	0.003	0.2036	1.6169	0.0211	0.0019	0
Base	-6133		CIM3 Min	-0.003	-0.2046	1.6166	-0.0221	-0.0019	0
Base	-6133		CIM4 Max	0.4061	0.012	1.6061	0.0017	0.3077	1.76E-06
Base	-6133		CIM4 Min	-0.4061	-0.0145	1.6061	-0.0031	-0.3077	-1.767E-06
Base	-6133		CIM5 Max	0.0022	0.1519	1.6061	0.0155	0.0014	0
Base	-6133		CIM5 Min	-0.0022	-0.1544	1.6061	-0.0169	-0.0014	0
Base	-6133		CIM6 Max	0.5442	0.0173	0.9714	0.0029	0.4102	2.35E-06
Base	-6133		CIM6 Min	-0.5441	-0.016	0.9713	-0.0035	-0.4102	-2.353E-06
Base	-6133		CIM7 Max	0.003	0.2036	0.9714	0.0213	0.0019	0

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6133		CIM7 Min	-0.003	-0.2046	0.9713	-0.0219	-0.0019	0
Base	6147		PP	-0.0056	0.0737	1.5679	-0.0036	-0.0027	-0.0001
Base	6147		CA	-0.0005	0.0395	0.2592	-0.0015	-0.0002	-6.326E-06
Base	6147		CV	-0.0004	0.027	0.1435	-0.0012	-0.0002	-4.125E-06
Base	6147		SX Max	0.1505	0.5698	1.7521	0.0276	0.1469	0.001
Base	6147		SY Max	0.1147	2.149	0.9626	0.1352	0.0464	0.0004
Base	6147		CIM1	-0.0065	0.1402	1.9706	-0.0064	-0.0031	-0.0001
Base	6147		CIM2 Max	0.1262	0.6147	3.3953	0.0191	0.1264	0.0006
Base	6147		CIM2 Min	-0.1365	-0.3683	0.2569	-0.0296	-0.1322	-0.0009
Base	6147		CIM3 Max	0.0946	2.0043	2.6744	0.1136	0.0379	0.0002
Base	6147		CIM3 Min	-0.1071	-1.7779	0.9796	-0.1243	-0.0437	-0.0004
Base	6147		CIM4 Max	0.0929	0.5095	3.1109	0.0121	0.0939	0.0006
Base	6147		CIM4 Min	-0.1057	-0.2427	0.7586	-0.0244	-0.1	-0.0007
Base	6147		CIM5 Max	0.0693	1.5516	2.5702	0.0831	0.0276	0.0002
Base	6147		CIM5 Min	-0.0821	-1.2649	1.2992	-0.0954	-0.0336	-0.0003
Base	6147		CIM6 Max	0.1267	0.5694	2.6645	0.0212	0.1276	0.0006
Base	6147		CIM6 Min	-0.1361	-0.4336	-0.472	-0.0275	-0.1311	-0.0009
Base	6147		CIM7 Max	0.0972	1.959	1.9435	0.1159	0.0391	0.0003
Base	6147		CIM7 Min	-0.1046	-1.6232	0.249	-0.1222	-0.0426	-0.0003
Base	6153		PP	-0.0004	0.0336	1.5676	-0.0022	-0.0009	1.883E-05
Base	6153		CA	-3.66E-05	0.0443	0.2797	-0.0035	-0.0001	1.67E-06
Base	6153		CV	-3.436E-05	0.0299	0.1467	-0.0023	-0.0001	1.079E-06
Base	6153		SX Max	0.3364	0.4646	0.9642	0.0221	0.2696	0.0007
Base	6153		SY Max	0.087	2.2176	0.1274	0.1359	0.0551	0.0003
Base	6153		CIM1	-0.0005	0.1078	1.996	-0.006	-0.0011	2.156E-05
Base	6153		CIM2 Max	0.2956	0.4667	2.6956	0.0136	0.2541	0.0006
Base	6153		CIM2 Min	-0.2965	-0.331	0.9967	-0.0252	-0.2561	-0.0006
Base	6153		CIM3 Max	0.0761	2.0294	1.9593	0.1138	0.0475	0.0003
Base	6153		CIM3 Min	-0.077	-1.6736	1.7352	-0.1253	-0.0496	-0.0002
Base	6153		CIM4 Max	0.2216	0.407	2.5952	0.0072	0.1903	0.0005
Base	6153		CIM4 Min	-0.2225	-0.2063	1.3224	-0.022	-0.1923	-0.0004
Base	6153		CIM5 Max	0.057	1.5639	2.0429	0.0622	0.0353	0.0002
Base	6153		CIM5 Min	-0.0579	-1.3633	1.8747	-0.0971	-0.0374	-0.0002
Base	6153		CIM6 Max	0.2958	0.4556	1.9569	0.016	0.2545	0.0006
Base	6153		CIM6 Min	-0.2963	-0.3621	0.2596	-0.0229	-0.2557	-0.0006
Base	6153		CIM7 Max	0.0763	1.9962	1.2204	0.1161	0.0479	0.0003
Base	6153		CIM7 Min	-0.0768	-1.9046	0.9963	-0.123	-0.0491	-0.0003
Base	6159		PP	-1.094E-05	-0.0216	1.5701	0.0016	-0.0003	3.429E-06
Base	6159		CA	8.467E-07	0.0226	0.2967	0.0007	-1.615E-05	0
Base	6159		CV	-6.536E-06	0.0156	0.1529	-0.0001	-3.362E-05	0
Base	6159		SX Max	0.4676	0.4046	0.5662	0.0216	0.4347	0.0004
Base	6159		SY Max	0.0706	2.16	1.1943	0.1332	0.0618	0.0001
Base	6159		CIM1	-1.662E-05	0.0196	2.0197	0.0022	-0.0004	3.93E-06
Base	6159		CIM2 Max	0.4291	0.3573	2.3627	0.0213	0.3622	0.0003
Base	6159		CIM2 Min	-0.4291	-0.3549	1.351	-0.0166	-0.3626	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6159		CIM3 Max	0.0623	1.902	2.9176	0.1195	0.0541	0.0001
Base	6159		CIM3 Min	-0.0623	-1.8996	0.6159	-0.115	-0.0547	-0.0001
Base	6159		CIM4 Max	0.3216	0.2622	2.3664	0.0164	0.2665	0.0002
Base	6159		CIM4 Min	-0.3216	-0.2519	1.5946	-0.0121	-0.2672	-0.0002
Base	6159		CIM5 Max	0.0467	1.4408	2.7697	0.0901	0.0404	0.0001
Base	6159		CIM5 Min	-0.0467	-1.4104	1.1933	-0.0856	-0.0411	-0.0001
Base	6159		CIM6 Max	0.4291	0.3566	1.636	0.0204	0.3623	0.0003
Base	6159		CIM6 Min	-0.4291	-0.3553	0.6042	-0.0177	-0.3627	-0.0003
Base	6159		CIM7 Max	0.0623	1.9015	2.1711	0.1156	0.0542	0.0001
Base	6159		CIM7 Min	-0.0623	-1.9001	0.0692	-0.1159	-0.0546	-0.0001
Base	6165		PP	1.606E-05	-0.0603	1.5536	0.0032	-0.0001	6.675E-07
Base	6165		CA	4.629E-06	0.0262	0.3093	-0.004	0	0
Base	6165		CV	-4.389E-06	0.0201	0.154	-0.0025	-2.099E-05	0
Base	6165		SX Max	0.6216	0.3479	0.4474	0.0198	0.5765	0.0006
Base	6165		SY Max	0.0925	2.0355	2.5452	0.1318	0.0671	0.0001
Base	6165		CIM1	1.65E-05	-0.034	2.0171	-0.0033	-0.0001	1.003E-06
Base	6165		CIM2 Max	0.547	0.2521	2.2566	0.0166	0.5069	0.0005
Base	6165		CIM2 Min	-0.547	-0.3602	1.4695	-0.0162	-0.5092	-0.0005
Base	6165		CIM3 Max	0.0614	1.7371	4.1029	0.1152	0.0765	0.0001
Base	6165		CIM3 Min	-0.0614	-1.6453	-0.3766	-0.1168	-0.0767	-0.0001
Base	6165		CIM4 Max	0.4103	0.1906	2.2739	0.0104	0.3617	0.0004
Base	6165		CIM4 Min	-0.4102	-0.2686	1.6834	-0.0157	-0.3619	-0.0004
Base	6165		CIM5 Max	0.0611	1.3044	3.6564	0.0843	0.0573	0.0001
Base	6165		CIM5 Min	-0.061	-1.3624	0.2966	-0.0897	-0.0576	-0.0001
Base	6165		CIM6 Max	0.547	0.2737	1.5116	0.0169	0.509	0.0005
Base	6165		CIM6 Min	-0.547	-0.3386	0.7242	-0.0179	-0.5091	-0.0005
Base	6165		CIM7 Max	0.0614	1.7566	3.3576	0.1155	0.0765	0.0001
Base	6165		CIM7 Min	-0.0614	-1.6237	-1.1219	-0.1165	-0.0767	-0.0001
Base	6171		PP	2.455E-05	-0.1611	1.5565	0.0095	-3.225E-05	0
Base	6171		CA	6.919E-06	-0.0233	0.3126	0.004	6.309E-06	0
Base	6171		CV	-4.343E-06	-0.0066	0.1465	0.0017	-1.356E-05	0
Base	6171		SX Max	0.6561	0.2767	0.6549	0.0162	0.7351	0.0029
Base	6171		SY Max	0.1463	1.7307	4.9971	0.1266	0.1245	0.0005
Base	6171		CIM1	2.912E-05	-0.1913	2.0156	0.0152	-3.761E-05	5.211E-07
Base	6171		CIM2 Max	0.7534	0.0591	2.4454	0.0295	0.6469	0.0026
Base	6171		CIM2 Min	-0.7533	-0.4279	1.2927	-0.0025	-0.6469	-0.0026
Base	6171		CIM3 Max	0.1266	1.3356	6.2665	0.1249	0.1095	0.0005
Base	6171		CIM3 Min	-0.1267	-1.7074	-2.5264	-0.0979	-0.1096	-0.0005
Base	6171		CIM4 Max	0.5651	-0.0069	2.4113	0.0266	0.4651	0.0019
Base	6171		CIM4 Min	-0.565	-0.3722	1.5467	0.0026	-0.4652	-0.0019
Base	6171		CIM5 Max	0.0966	0.9527	5.2771	0.0953	0.0821	0.0003
Base	6171		CIM5 Min	-0.0966	-1.3316	-1.3191	-0.0868	-0.0822	-0.0003
Base	6171		CIM6 Max	0.7534	0.1326	1.6976	0.0241	0.6469	0.0026
Base	6171		CIM6 Min	-0.7534	-0.3542	0.5451	-0.0079	-0.6469	-0.0026
Base	6171		CIM7 Max	0.1266	1.4123	5.5169	0.1195	0.1096	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6171		CIM7 Min	-0.1266	-1.6337	-3.276	-0.1033	-0.1096	-0.0005
Base	6181		PP	-2.346E-06	0.0979	1.7037	-0.0076	-3.532E-06	0
Base	6181		CA	0	0.111	0.5703	-0.0136	1.316E-06	0
Base	6181		CV	-1.183E-05	0.0597	0.3075	-0.0075	-1.887E-05	0
Base	6181		SX Max	0.7621	0.0746	0.2599	0.009	0.7094	0.0033
Base	6181		SY Max	0.0071	0.6441	2.0135	0.0701	0.0061	3.154E-05
Base	6181		CIM1	-1.439E-05	0.2656	2.5815	-0.029	-2.109E-05	0
Base	6181		CIM2 Max	0.6706	0.2746	2.5027	-0.0136	0.6243	0.0029
Base	6181		CIM2 Min	-0.6706	0.1432	2.0453	-0.0294	-0.6243	-0.0029
Base	6181		CIM3 Max	0.0063	0.7757	4.0456	0.0401	0.0054	2.774E-05
Base	6181		CIM3 Min	-0.0063	-0.3579	0.5021	-0.0832	-0.0054	-2.778E-05
Base	6181		CIM4 Max	0.503	0.3029	2.6761	-0.0212	0.4662	0.0022
Base	6181		CIM4 Min	-0.503	0.2044	2.3331	-0.0331	-0.4662	-0.0022
Base	6181		CIM5 Max	0.0047	0.6766	3.6335	0.0191	0.004	2.071E-05
Base	6181		CIM5 Min	-0.0047	-0.1714	1.1757	-0.0733	-0.0041	-2.092E-05
Base	6181		CIM6 Max	0.6706	0.191	1.5931	-0.005	0.6243	0.0029
Base	6181		CIM6 Min	-0.6706	0.0597	1.1357	-0.0206	-0.6243	-0.0029
Base	6181		CIM7 Max	0.0063	0.6921	3.1363	0.0487	0.0054	2.774E-05
Base	6181		CIM7 Min	-0.0063	-0.4415	-0.4075	-0.0746	-0.0054	-2.777E-05
Base	6191		PP	-5.666E-06	-0.0676	1.6831	0.0057	-6.259E-06	0
Base	6191		CA	-1.059E-05	-0.0014	0.5179	0.0065	-7.261E-06	0
Base	6191		CV	-1.724E-05	0.0006	0.2653	0.0032	-2.335E-05	0
Base	6191		SX Max	0.7623	0.0744	0.2596	0.0089	0.7096	0.0032
Base	6191		SY Max	0.0071	0.6419	2.0133	0.0692	0.0061	3.019E-05
Base	6191		CIM1	-3.349E-05	-0.0666	2.4663	0.0154	-3.692E-05	0
Base	6191		CIM2 Max	0.6706	-0.0037	2.4297	0.0201	0.6244	0.0026
Base	6191		CIM2 Min	-0.6709	-0.1347	1.9724	0.0043	-0.6244	-0.0026
Base	6191		CIM3 Max	0.0062	0.4956	3.9727	0.0731	0.0053	2.667E-05
Base	6191		CIM3 Min	-0.0062	-0.634	0.4293	-0.0467	-0.0054	-2.646E-05
Base	6191		CIM4 Max	0.5031	-0.0197	2.5715	0.0205	0.4663	0.0021
Base	6191		CIM4 Min	-0.5032	-0.1179	2.2265	0.0057	-0.4663	-0.0021
Base	6191		CIM5 Max	0.0046	0.3549	3.7257	0.0603	0.004	2.014E-05
Base	6191		CIM5 Min	-0.0047	-0.4924	1.0712	-0.031	-0.004	-1.971E-05
Base	6191		CIM6 Max	0.6706	0.024	1.5493	0.0152	0.6244	0.0026
Base	6191		CIM6 Min	-0.6706	-0.107	1.0919	-0.0005	-0.6244	-0.0026
Base	6191		CIM7 Max	0.0062	0.5233	3.0923	0.0652	0.0053	2.663E-05
Base	6191		CIM7 Min	-0.0062	-0.6064	-0.4511	-0.0535	-0.0054	-2.65E-05
Base	6201		PP	-0.0056	0.108	1.4277	-0.0065	-0.0107	-0.0001
Base	6201		CA	-0.0195	0.0556	0.2626	-0.0046	-0.0362	-0.0002
Base	6201		CV	-0.0103	0.0306	0.1476	-0.0026	-0.0191	-0.0001
Base	6201		SX Max	0.7222	0.0762	0.3394	0.0051	0.6496	0.0024
Base	6201		SY Max	0.0077	0.6259	2.6156	0.0612	0.0055	1.677E-05
Base	6201		CIM1	-0.0356	0.1945	1.6363	-0.0137	-0.0659	-0.0003
Base	6201		CIM2 Max	0.6102	0.2324	1.9892	-0.004	0.5249	0.0019
Base	6201		CIM2 Min	-0.6606	0.0946	1.3919	-0.0162	-0.6187	-0.0023

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6201		CIM3 Max	-0.0166	0.7145	3.9922	0.0427	-0.042	-0.0002
Base	6201		CIM3 Min	-0.0321	-0.3672	-0.6112	-0.0649	-0.0517	-0.0002
Base	6201		CIM4 Max	0.4436	0.2364	2.0253	-0.0077	0.3677	0.0013
Base	6201		CIM4 Min	-0.5097	0.1352	1.5774	-0.0164	-0.49	-0.0019
Base	6201		CIM5 Max	-0.026	0.5999	3.5276	0.0273	-0.0575	-0.0003
Base	6201		CIM5 Min	-0.0361	-0.2264	0.0751	-0.0534	-0.0646	-0.0003
Base	6201		CIM6 Max	0.6203	0.167	1.313	0.0005	0.5437	0.002
Base	6201		CIM6 Min	-0.6507	0.0294	0.7157	-0.0136	-0.5999	-0.0022
Base	6201		CIM7 Max	-0.0064	0.649	3.316	0.0472	-0.0233	-0.0001
Base	6201		CIM7 Min	-0.0219	-0.4527	-1.2674	-0.0605	-0.0329	-0.0001
Base	6211		PP	-0.0126	0.0115	1.4046	-0.0005	-0.0207	-3.112E-05
Base	6211		CA	-0.0426	0.0321	0.2473	-0.0012	-0.0702	-0.0001
Base	6211		CV	-0.0224	0.0166	0.1302	-0.0006	-0.0369	-0.0001
Base	6211		SX Max	0.6393	0.0662	0.0014	0.0056	0.6399	1.073E-05
Base	6211		SY Max	0.0072	0.7096	0.0004	0.066	0.0053	6.606E-07
Base	6211		CIM1	-0.0777	0.0623	1.7621	-0.0025	-0.1276	-0.0002
Base	6211		CIM2 Max	0.5074	0.1213	1.6531	0.0056	0.4723	-0.0001
Base	6211		CIM2 Min	-0.6178	-0.0339	1.6507	-0.0093	-0.654	-0.0001
Base	6211		CIM3 Max	-0.0469	0.6663	1.6522	0.0064	-0.0662	-0.0001
Base	6211		CIM3 Min	-0.0615	-0.561	1.6516	-0.0098	-0.0955	-0.0001
Base	6211		CIM4 Max	0.3499	0.1158	1.7504	0.0033	0.3038	-0.0002
Base	6211		CIM4 Min	-0.494	-0.0005	1.7486	-0.006	-0.541	-0.0002
Base	6211		CIM5 Max	-0.0673	0.5261	1.7496	0.0412	-0.1151	-0.0002
Base	6211		CIM5 Min	-0.0768	-0.4106	1.7493	-0.0459	-0.1221	-0.0002
Base	6211		CIM6 Max	0.5294	0.1036	0.9923	0.0065	0.5056	-0.0001
Base	6211		CIM6 Min	-0.5957	-0.0514	0.9899	-0.0066	-0.6177	-0.0001
Base	6211		CIM7 Max	-0.0266	0.6508	0.9915	0.057	-0.0499	-0.0001
Base	6211		CIM7 Min	-0.0394	-0.5984	0.9906	-0.0591	-0.0592	-0.0001
Base	6217		PP	-0.03	-0.0662	1.4125	0.0045	-0.0329	0.0002
Base	6217		CA	-0.1015	0.008	0.2367	-0.0011	-0.1115	0.0007
Base	6217		CV	-0.0534	0.0056	0.1161	-0.0006	-0.0587	0.0004
Base	6217		SX Max	0.719	0.0762	0.3395	0.0051	0.6471	0.0024
Base	6217		SY Max	0.0077	0.626	2.6163	0.0612	0.0055	1.606E-05
Base	6217		CIM1	-0.1849	-0.0725	1.7673	0.0026	-0.2032	0.0013
Base	6217		CIM2 Max	0.5012	-0.0095	1.95	0.0105	0.425	0.003
Base	6217		CIM2 Min	-0.7642	-0.147	1.3524	-0.0037	-0.7139	-0.0012
Base	6217		CIM3 Max	-0.1247	0.4727	3.9535	0.0572	-0.1397	0.0009
Base	6217		CIM3 Min	-0.1362	-0.6292	-0.6511	-0.0504	-0.1493	0.0009
Base	6217		CIM4 Max	0.303	-0.0223	1.9624	0.0052	0.2366	0.0027
Base	6217		CIM4 Min	-0.6461	-0.1255	1.5142	-0.0025	-0.6156	-0.0004
Base	6217		CIM5 Max	-0.1665	0.3393	3.4651	0.0432	-0.1649	0.0012
Base	6217		CIM5 Min	-0.1766	-0.4671	0.0115	-0.0375	-0.1921	0.0012
Base	6217		CIM6 Max	0.5536	0.0216	1.2895	0.0092	0.4626	0.0026
Base	6217		CIM6 Min	-0.7116	-0.1157	0.6919	-0.0051	-0.6561	-0.0016
Base	6217		CIM7 Max	-0.0721	0.504	3.2931	0.0559	-0.0619	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6217		CIM7 Min	-0.0656	-0.5979	-1.3116	-0.0516	-0.0915	0.0005
Base	6227		PP	0.0055	-0.177	1.6341	0.0161	0.0029	-0.0001
Base	6227		CA	0.0024	-0.4157	0.4563	0.0435	0.001	-2.752E-05
Base	6227		CV	0.0012	-0.217	0.2354	0.0227	0.0005	-1.396E-05
Base	6227		SX Max	0.1779	0.7162	2.5203	0.0267	0.1922	0.0004
Base	6227		SY Max	0.1661	1.1755	0.0709	0.0936	0.1469	0.0005
Base	6227		CIM1	0.0092	-0.6096	2.3256	0.0622	0.0043	-0.0001
Base	6227		CIM2 Max	0.1645	0.0393	4.3063	0.0631	0.173	0.0003
Base	6227		CIM2 Min	-0.1466	-1.2246	-0.1274	0.036	-0.1653	-0.0005
Base	6227		CIM3 Max	0.1717	0.4416	2.1529	0.1421	0.1349	0.0004
Base	6227		CIM3 Min	-0.1556	-1.6272	2.026	-0.023	-0.1272	-0.0006
Base	6227		CIM4 Max	0.1263	-0.2615	3.9304	0.0942	0.131	0.0002
Base	6227		CIM4 Min	-0.1066	-1.2295	0.6036	0.0569	-0.1227	-0.0004
Base	6227		CIM5 Max	0.1317	0.0204	2.3136	0.1384	0.1025	0.0003
Base	6227		CIM5 Min	-0.114	-1.5313	2.2202	0.0146	-0.0941	-0.0004
Base	6227		CIM6 Max	0.1614	0.2764	3.4721	0.0593	0.1714	0.0003
Base	6227		CIM6 Min	-0.1516	-0.9577	-0.9636	0.0122	-0.1666	-0.0004
Base	6227		CIM7 Max	0.1665	0.6766	1.3167	0.1183	0.1334	0.0004
Base	6227		CIM7 Min	-0.159	-1.3901	1.1919	-0.0466	-0.1256	-0.0005
Base	6233		PP	0.0005	0.0163	1.6065	-0.0068	0.001	2.311E-05
Base	6233		CA	0.0009	-0.1464	0.3805	-0.0123	0.0008	2.32E-06
Base	6233		CV	0.0005	-0.0751	0.2145	-0.0067	0.0004	6.406E-07
Base	6233		SX Max	0.461	0.562	1.6102	0.0291	0.4054	0.0023
Base	6233		SY Max	0.3602	1.1023	3.3639	0.0984	0.2956	0.0014
Base	6233		CIM1	0.0019	-0.2033	2.2115	-0.0258	0.0021	2.627E-05
Base	6233		CIM2 Max	0.4247	0.3665	3.414	0.0065	0.3565	0.002
Base	6233		CIM2 Min	-0.4216	-0.6227	0.5601	-0.0447	-0.355	-0.002
Base	6233		CIM3 Max	0.3184	0.6419	4.9573	0.0675	0.2621	0.0012
Base	6233		CIM3 Min	-0.3155	-1.0961	-0.9631	-0.1057	-0.2586	-0.0012
Base	6233		CIM4 Max	0.3193	0.1665	3.2206	-0.0049	0.2696	0.0015
Base	6233		CIM4 Min	-0.3156	-0.5554	1.0852	-0.0433	-0.2656	-0.0015
Base	6233		CIM5 Max	0.2396	0.543	4.3761	0.0406	0.1973	0.0009
Base	6233		CIM5 Min	-0.2359	-0.912	-0.0622	-0.0691	-0.1932	-0.0009
Base	6233		CIM6 Max	0.4241	0.4177	2.6152	0.0141	0.3578	0.002
Base	6233		CIM6 Min	-0.4224	-0.5715	-0.2187	-0.0371	-0.3557	-0.002
Base	6233		CIM7 Max	0.3179	0.6931	4.1564	0.0752	0.2614	0.0012
Base	6233		CIM7 Min	-0.3161	-1.0469	-1.762	-0.0961	-0.2593	-0.0012
Base	6243		PP	-0.0057	0.1415	1.0995	-0.0067	-0.0024	2.143E-05
Base	6243		CA	-0.0003	0.0315	0.1799	-0.0024	-0.0001	1.666E-06
Base	6243		CV	-0.0002	0.0201	0.1103	-0.0016	-0.0001	1.014E-06
Base	6243		SX Max	0.0751	0.3221	1.7736	0.0206	0.0599	0.0004
Base	6243		SY Max	0.0675	0.9459	3.3952	0.0607	0.0421	0.0002
Base	6243		CIM1	-0.0063	0.193	1.3896	-0.0128	-0.0027	2.411E-05
Base	6243		CIM2 Max	0.0627	0.4564	2.6401	0.0069	0.0502	0.0004
Base	6243		CIM2 Min	-0.0748	-0.1106	-0.2614	-0.0293	-0.0553	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6243		CIM3 Max	0.0533	1.0053	4.2671	0.0596	0.0345	0.0002
Base	6243		CIM3 Min	-0.0654	-0.6595	-1.7064	-0.0822	-0.0396	-0.0002
Base	6243		CIM4 Max	0.0454	0.4006	2.5326	0.0012	0.0369	0.0003
Base	6243		CIM4 Min	-0.0576	-0.0246	0.1915	-0.026	-0.0422	-0.0003
Base	6243		CIM5 Max	0.0383	0.6123	3.6029	0.0409	0.0251	0.0002
Base	6243		CIM5 Min	-0.0508	-0.4363	-0.6788	-0.0656	-0.0304	-0.0001
Base	6243		CIM6 Max	0.0651	0.3672	2.3264	0.0114	0.0512	0.0004
Base	6243		CIM6 Min	-0.0724	-0.1797	-0.7931	-0.0246	-0.0542	-0.0004
Base	6243		CIM7 Max	0.0556	0.9361	3.7554	0.0643	0.0355	0.0002
Base	6243		CIM7 Min	-0.063	-0.7286	-2.2201	-0.0777	-0.0386	-0.0002
Base	6253		PP	0	-0.0156	1.2356	0.0022	0	0
Base	6253		CA	9.735E-06	-0.0563	0.6331	0.006	6.509E-06	0
Base	6253		CV	-6.615E-06	-0.0302	0.4365	0.0042	-7.914E-06	0
Base	6253		SX Max	0.6174	0.016	4.173E-05	0.0031	0.4652	1.67E-06
Base	6253		SY Max	0.0032	0.2301	0.0002	0.0243	0.0022	0
Base	6253		CIM1	3.267E-06	-0.1022	2.5074	0.0143	6.635E-07	0
Base	6253		CIM2 Max	0.5433	-0.0562	2.069	0.0129	0.4094	1.652E-06
Base	6253		CIM2 Min	-0.5433	-0.0579	2.0669	0.0074	-0.4094	-1.639E-06
Base	6253		CIM3 Max	0.0029	0.1305	2.0692	0.0316	0.002	0
Base	6253		CIM3 Min	-0.0026	-0.2745	2.0687	-0.0112	-0.0019	0
Base	6253		CIM4 Max	0.4075	-0.0526	2.3979	0.0154	0.307	1.242E-06
Base	6253		CIM4 Min	-0.4075	-0.1066	2.3976	0.0112	-0.307	-1.226E-06
Base	6253		CIM5 Max	0.0021	0.0572	2.396	0.0294	0.0015	0
Base	6253		CIM5 Min	-0.0021	-0.2466	2.3977	-0.0026	-0.0015	0
Base	6253		CIM6 Max	0.5433	-0.0274	1.2414	0.0089	0.4094	1.649E-06
Base	6253		CIM6 Min	-0.5433	-0.0591	1.2413	0.0033	-0.4094	-1.642E-06
Base	6253		CIM7 Max	0.0029	0.1593	1.2416	0.0275	0.002	0
Base	6253		CIM7 Min	-0.0026	-0.2457	1.2412	-0.0153	-0.0019	0
Base	6267		PP	0.2203	0.0041	1.6317	-0.0073	0.0119	0.0001
Base	6267		CA	0.1742	0.0293	0.4056	-0.0324	0.0067	0.0003
Base	6267		CV	0.0912	0.0155	0.2046	-0.0171	0.0045	0.0002
Base	6267		SX Max	1.3745	0.1505	1.2706	0.0756	0.0627	0.0007
Base	6267		SY Max	0.3974	0.2034	1.9629	0.1613	0.0105	0.0006
Base	6267		CIM1	0.4657	0.0469	2.2421	-0.0569	0.0252	0.0006
Base	6267		CIM2 Max	1.6041	0.1656	3.1556	0.0297	0.0934	0.001
Base	6267		CIM2 Min	-0.6151	-0.099	0.9194	-0.1091	-0.0522	-0.0002
Base	6267		CIM3 Max	0.7442	0.2124	3.7646	0.1196	0.0302	0.0009
Base	6267		CIM3 Min	0.0446	-0.1456	0.3102	-0.1992	0.0111	-0.0001
Base	6267		CIM4 Max	1.3701	0.1444	3.0295	-0.0005	0.0756	0.001
Base	6267		CIM4 Min	-0.4443	-0.0542	1.3524	-0.1046	-0.0306	0.0001
Base	6267		CIM5 Max	0.7252	0.1793	3.4665	0.0671	0.0312	0.0009
Base	6267		CIM5 Min	0.2006	-0.0892	0.6954	-0.1722	0.0169	0.0002
Base	6267		CIM6 Max	1.4463	0.1525	2.3406	0.0455	0.0851	0.0009
Base	6267		CIM6 Min	-0.9729	-0.1123	0.1044	-0.0932	-0.0604	-0.0004
Base	6267		CIM7 Max	0.5664	0.1991	2.9498	0.1357	0.0219	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6267		CIM7 Min	-0.113	-0.1589	-0.5048	-0.1833	0.0026	-0.0003
Base	6277		PP	0.1554	0.0203	1.6402	-0.0163	0.0051	3.436E-05
Base	6277		CA	0.1904	0.0724	0.4354	-0.0595	0.0116	0.0002
Base	6277		CV	0.0991	0.0361	0.2246	-0.0314	0.006	0.0001
Base	6277		SX Max	1.5965	0.176	0.4552	0.1156	0.0974	0.0004
Base	6277		SY Max	0.3019	0.4306	1.0491	0.3527	0.0117	0.0007
Base	6277		CIM1	0.4449	0.1309	2.3002	-0.1072	0.0256	0.0003
Base	6277		CIM2 Max	1.7524	0.2477	2.4762	0.0259	0.1053	0.0006
Base	6277		CIM2 Min	-1.0609	-0.0621	1.675	-0.1775	-0.066	-0.0002
Base	6277		CIM3 Max	0.6115	0.4719	2.9966	0.2346	0.0299	0.0006
Base	6277		CIM3 Min	0.0601	-0.2663	1.1524	-0.3662	0.0094	-0.0004
Base	6277		CIM4 Max	1.4751	0.2376	2.5445	-0.023	0.0664	0.0006
Base	6277		CIM4 Min	-0.6349	0.0052	1.9436	-0.1756	-0.0401	-1.31E-05
Base	6277		CIM5 Max	0.6194	0.4057	2.9365	0.1335	0.0319	0.0006
Base	6277		CIM5 Min	0.2206	-0.1629	1.5517	-0.3321	0.0164	-0.0002
Base	6277		CIM6 Max	1.6141	0.2106	1.6459	0.0563	0.0975	0.0005
Base	6277		CIM6 Min	-1.1992	-0.0992	0.6446	-0.1472	-0.0739	-0.0003
Base	6277		CIM7 Max	0.4732	0.4348	2.1686	0.2649	0.0221	0.0005
Base	6277		CIM7 Min	-0.0562	-0.3234	0.3222	-0.3559	0.0015	-0.0005
Base	6283		PP	0.0659	0.0219	1.6818	-0.0172	0.0041	-2.816E-05
Base	6283		CA	0.1222	0.0766	0.5227	-0.0609	0.0051	-0.0001
Base	6283		CV	0.0626	0.0404	0.2726	-0.0321	0.0026	-4.61E-05
Base	6283		SX Max	1.7221	0.1652	0.159	0.1246	0.0956	0.0004
Base	6283		SY Max	0.2109	0.6259	0.5701	0.4956	0.0072	0.0004
Base	6283		CIM1	0.2706	0.1391	2.4773	-0.1102	0.0117	-0.0002
Base	6283		CIM2 Max	1.7236	0.244	2.3445	0.0315	0.0933	0.0002
Base	6283		CIM2 Min	-1.3073	-0.0467	2.0645	-0.1677	-0.075	-0.0004
Base	6283		CIM3 Max	0.3937	0.6494	2.7062	0.358	0.0155	0.0002
Base	6283		CIM3 Min	0.0226	-0.4521	1.7026	-0.5142	0.0026	-0.0005
Base	6283		CIM4 Max	1.3917	0.236	2.5141	-0.0199	0.0742	0.0001
Base	6283		CIM4 Min	-0.5815	0.0199	2.3042	-0.1644	-0.052	-0.0004
Base	6283		CIM5 Max	0.3943	0.542	2.7654	0.2249	0.0156	0.0001
Base	6283		CIM5 Min	0.1159	-0.2641	2.0326	-0.4292	0.0063	-0.0004
Base	6283		CIM6 Max	1.6404	0.2045	1.4627	0.0628	0.0896	0.0002
Base	6283		CIM6 Min	-1.3906	-0.0662	1.1627	-0.1565	-0.0766	-0.0004
Base	6283		CIM7 Max	0.3105	0.61	1.6244	0.3692	0.0116	0.0003
Base	6283		CIM7 Min	-0.0607	-0.4916	0.821	-0.463	-0.0006	-0.0004
Base	6289		PP	0.0313	0.012	1.6997	-0.0104	0.0017	-0.0001
Base	6289		CA	0.0522	0.0413	0.5653	-0.0357	0.0034	-0.0002
Base	6289		CV	0.0253	0.0217	0.2966	-0.0188	0.0016	-0.0001
Base	6289		SX Max	1.5263	0.1642	0.0615	0.1276	0.1034	0.0004
Base	6289		SY Max	0.1432	0.7337	0.2602	0.5754	0.0056	0.0003
Base	6289		CIM1	0.1066	0.0749	2.5616	-0.0649	0.0067	-0.0003
Base	6289		CIM2 Max	1.6907	0.1977	2.3191	0.0664	0.096	0.0001
Base	6289		CIM2 Min	-1.5236	-0.0913	2.2109	-0.1565	-0.0659	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6269		CIM3 Max	0.2095	0.6969	2.4939	0.4602	0.01	4.52E-06
Base	6269		CIM3 Min	-0.0425	-0.5925	2.0361	-0.5524	0.0001	-0.0005
Base	6269		CIM4 Max	1.3076	0.1779	2.526	0.0241	0.0745	-0.0001
Base	6269		CIM4 Min	-1.1029	-0.0389	2.4469	-0.1445	-0.0619	-0.0006
Base	6269		CIM5 Max	0.197	0.5537	2.6591	0.3195	0.01	-0.0001
Base	6269		CIM5 Min	0.006	-0.4146	2.3157	-0.44	0.0026	-0.0005
Base	6269		CIM6 Max	1.6573	0.1764	1.4131	0.0646	0.094	0.0002
Base	6269		CIM6 Min	-1.557	-0.1126	1.3049	-0.1401	-0.0679	-0.0005
Base	6269		CIM7 Max	0.1761	0.6776	1.5679	0.4787	0.006	0.0001
Base	6269		CIM7 Min	-0.0759	-0.6137	1.1301	-0.534	-0.0019	-0.0004
Base	6295		PP	-0.0194	-0.0021	1.6966	-0.0002	-0.0011	-4.344E-05
Base	6295		CA	-0.0213	-0.0089	0.5566	0.0006	-0.0017	-0.0002
Base	6295		CV	-0.0136	-0.0047	0.2939	0.0003	-0.001	-0.0001
Base	6295		SX Max	1.5191	0.1774	0.0406	0.1295	0.1026	0.0002
Base	6295		SY Max	0.1003	0.7343	0.0426	0.5763	0.0039	0.0002
Base	6295		CIM1	-0.0543	-0.0156	2.5513	0.0007	-0.0036	-0.0003
Base	6295		CIM2 Max	1.5602	0.1451	2.2932	0.1144	0.0677	-1.977E-05
Base	6295		CIM2 Min	-1.6415	-0.1671	2.2214	-0.1135	-0.0933	-0.0004
Base	6295		CIM3 Max	0.0476	0.6352	2.2946	0.5076	0.0006	-1.334E-05
Base	6295		CIM3 Min	-0.129	-0.6572	2.2199	-0.5067	-0.0062	-0.0004
Base	6295		CIM4 Max	1.1496	0.1026	2.5047	0.0661	0.0643	-0.0001
Base	6295		CIM4 Min	-1.2515	-0.1315	2.4509	-0.0846	-0.0714	-0.0004
Base	6295		CIM5 Max	0.0153	0.4702	2.5059	0.361	-0.001	-0.0001
Base	6295		CIM5 Min	-0.1171	-0.4991	2.4497	-0.3797	-0.0061	-0.0004
Base	6295		CIM6 Max	1.5764	0.1495	1.3903	0.1142	0.0656	0.0001
Base	6295		CIM6 Min	-1.6253	-0.1627	1.3185	-0.1137	-0.0922	-0.0003
Base	6295		CIM7 Max	0.0639	0.6396	1.3919	0.5074	0.0017	0.0001
Base	6295		CIM7 Min	-0.1127	-0.6526	1.3169	-0.5069	-0.0051	-0.0003
Base	6301		PP	-0.0665	-0.0124	1.6621	0.0077	-0.0033	-1.456E-05
Base	6301		CA	-0.073	-0.0454	0.5156	0.0291	-0.0027	-4.744E-05
Base	6301		CV	-0.0406	-0.0239	0.2721	0.0153	-0.0016	-2.495E-05
Base	6301		SX Max	1.7039	0.1596	0.1464	0.1172	0.095	0.0004
Base	6301		SY Max	0.0636	0.6256	0.1466	0.4983	0.0034	0.0004
Base	6301		CIM1	-0.1621	-0.0516	2.4696	0.0521	-0.0076	-0.0001
Base	6301		CIM2 Max	1.3579	0.0826	2.3264	0.14	0.0776	0.0003
Base	6301		CIM2 Min	-1.6409	-0.1985	2.0671	-0.0664	-0.0897	-0.0004
Base	6301		CIM3 Max	-0.0677	0.4955	2.3285	0.4753	-0.003	0.0002
Base	6301		CIM3 Min	-0.2152	-0.6112	2.067	-0.4017	-0.0091	-0.0004
Base	6301		CIM4 Max	0.9526	0.0297	2.4996	0.1256	0.0555	0.0002
Base	6301		CIM4 Min	-1.2965	-0.1613	2.3039	-0.0291	-0.07	-0.0003
Base	6301		CIM5 Max	-0.1167	0.3392	2.4999	0.3771	-0.005	0.0002
Base	6301		CIM5 Min	-0.2273	-0.4906	2.3037	-0.2806	-0.0095	-0.0003
Base	6301		CIM6 Max	1.4145	0.1059	1.4493	0.1253	0.06	0.0003
Base	6301		CIM6 Min	-1.5843	-0.1754	1.166	-0.0811	-0.0573	-0.0004
Base	6301		CIM7 Max	-0.0111	0.5167	1.4494	0.4606	-0.0006	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6301		CIM7 Min	-0.1566	-0.5681	1.1679	-0.4164	-0.0067	-0.0003
Base	6307		PP	-0.1317	-0.0143	1.6465	0.0099	-0.0065	1.847E-05
Base	6307		CA	-0.1275	-0.0525	0.444	0.0372	-0.0073	0.0001
Base	6307		CV	-0.069	-0.0276	0.2356	0.0196	-0.0039	4.716E-05
Base	6307		SX Max	1.5729	0.13	0.4766	0.0916	0.0952	0.0004
Base	6307		SY Max	0.0923	0.4346	0.3612	0.3564	0.0036	0.0007
Base	6307		CIM1	-0.3262	-0.0944	2.3252	0.0667	-0.0177	0.0002
Base	6307		CIM2 Max	1.125	0.0476	2.5136	0.1277	0.0701	0.0004
Base	6307		CIM2 Min	-1.6434	-0.1612	1.6712	-0.0335	-0.0975	-0.0002
Base	6307		CIM3 Max	-0.176	0.3157	2.4103	0.3606	-0.0105	0.0007
Base	6307		CIM3 Min	-0.3404	-0.4493	1.7746	-0.2666	-0.0169	-0.0005
Base	6307		CIM4 Max	0.7272	-0.0017	2.5852	0.1223	0.0462	0.0004
Base	6307		CIM4 Min	-1.3491	-0.1733	1.9534	0.0013	-0.0795	-0.0001
Base	6307		CIM5 Max	-0.2501	0.1984	2.5076	0.297	-0.0143	0.0006
Base	6307		CIM5 Min	-0.3719	-0.3743	2.0309	-0.1735	-0.0191	-0.0003
Base	6307		CIM6 Max	1.2267	0.0744	1.6767	0.1089	0.0756	0.0004
Base	6307		CIM6 Min	-1.5397	-0.1545	0.6343	-0.0523	-0.092	-0.0002
Base	6307		CIM7 Max	-0.0743	0.3424	1.5733	0.3419	-0.005	0.0006
Base	6307		CIM7 Min	-0.2367	-0.4225	0.9376	-0.2854	-0.0114	-0.0005
Base	6313		PP	-0.214	-0.0075	1.6161	0.0059	-0.0112	9.605E-06
Base	6313		CA	-0.1374	-0.0342	0.3639	0.0246	-0.0066	-0.0001
Base	6313		CV	-0.0736	-0.016	0.2067	0.0129	-0.0036	-2.765E-05
Base	6313		SX Max	1.3652	0.0922	1.2957	0.0542	0.0833	0.0005
Base	6313		SY Max	0.1163	0.2002	0.7277	0.1636	0.004	0.0005
Base	6313		CIM1	-0.4252	-0.0596	2.2067	0.0434	-0.0213	-0.0001
Base	6313		CIM2 Max	0.8675	0.0385	3.1422	0.0761	0.0556	0.0004
Base	6313		CIM2 Min	-1.5703	-0.1226	0.6617	-0.0172	-0.091	-0.0005
Base	6313		CIM3 Max	-0.2491	0.1345	2.6423	0.192	-0.0142	0.0004
Base	6313		CIM3 Min	-0.4537	-0.2176	1.3616	-0.1311	-0.0213	-0.0005
Base	6313		CIM4 Max	0.5074	0.0057	3.0122	0.0759	0.0346	0.0003
Base	6313		CIM4 Min	-1.321	-0.116	1.3016	0.0044	-0.0754	-0.0004
Base	6313		CIM5 Max	-0.33	0.077	2.6373	0.1613	-0.0177	0.0003
Base	6313		CIM5 Min	-0.4635	-0.1672	1.6767	-0.051	-0.023	-0.0004
Base	6313		CIM6 Max	1.0061	0.0562	2.3414	0.0659	0.0627	0.0004
Base	6313		CIM6 Min	-1.4295	-0.1062	0.0609	-0.0294	-0.0639	-0.0005
Base	6313		CIM7 Max	-0.1065	0.1511	1.5415	0.1796	-0.0071	0.0004
Base	6313		CIM7 Min	-0.3132	-0.2011	0.5606	-0.1433	-0.0142	-0.0004
Base	6323		PP	0.0177	-0.1154	1.613	0.0101	0.01	-0.0001
Base	6323		CA	0.0454	-0.2043	0.3506	0.0226	0.0261	-9.914E-06
Base	6323		CV	0.0239	-0.1053	0.1614	0.0116	0.0137	-4.622E-06
Base	6323		SX Max	0.1619	0.4743	1.5892	0.0224	0.1779	0.0005
Base	6323		SY Max	0.1683	1.1715	0.2114	0.0973	0.1379	0.0005
Base	6323		CIM1	0.0671	-0.4251	2.1453	0.0442	0.0496	-0.0001
Base	6323		CIM2 Max	0.2057	0.0976	3.3623	0.0524	0.1927	0.0004
Base	6323		CIM2 Min	-0.0793	-0.7371	0.5653	0.0129	-0.1204	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6323		CIM3 Max	0.2113	0.7111	2.1496	0.1162	0.1575	0.0003
Base	6323		CIM3 Min	-0.0649	-1.3507	1.7776	-0.053	-0.0652	-0.0005
Base	6323		CIM4 Max	0.166	-0.0657	3.1456	0.0561	0.1636	0.0003
Base	6323		CIM4 Min	-0.0256	-0.7116	1.051	0.0265	-0.071	-0.0004
Base	6323		CIM5 Max	0.1922	0.3744	2.2394	0.1055	0.1374	0.0002
Base	6323		CIM5 Min	-0.03	-1.1719	1.9604	-0.0229	-0.0446	-0.0004
Base	6323		CIM6 Max	0.1604	0.2255	2.5766	0.0393	0.1762	0.0004
Base	6323		CIM6 Min	-0.1046	-0.6092	-0.2202	-0.0002	-0.1349	-0.0005
Base	6323		CIM7 Max	0.166	0.639	1.3643	0.1052	0.143	0.0004
Base	6323		CIM7 Min	-0.1102	-1.2226	0.9923	-0.066	-0.0897	-0.0004
Base	6329		PP	0.0132	0.0436	1.5736	-0.0056	0.0103	3.153E-05
Base	6329		CA	0.0456	-0.0643	0.2492	-0.0077	0.0333	3.185E-05
Base	6329		CV	0.024	-0.0317	0.1409	-0.0043	0.0175	1.652E-05
Base	6329		SX Max	0.456	0.42	1.1945	0.0245	0.3646	0.0021
Base	6329		SY Max	0.3367	1.09	3.2907	0.096	0.2607	0.0014
Base	6329		CIM1	0.0626	-0.0523	1.9637	-0.0176	0.0611	0.0001
Base	6329		CIM2 Max	0.4616	0.3469	2.674	0.0052	0.3621	0.0019
Base	6329		CIM2 Min	-0.3442	-0.3902	0.7716	-0.0349	-0.2949	-0.0016
Base	6329		CIM3 Max	0.3566	0.9356	4.7166	0.0711	0.2906	0.0013
Base	6329		CIM3 Min	-0.2392	-0.9799	-1.073	-0.0876	-0.2034	-0.0011
Base	6329		CIM4 Max	0.3791	0.2328	2.7169	-0.0004	0.3106	0.0015
Base	6329		CIM4 Min	-0.2255	-0.3216	1.1401	-0.0327	-0.1971	-0.0013
Base	6329		CIM5 Max	0.3003	0.675	4.1004	0.0468	0.242	0.001
Base	6329		CIM5 Min	-0.1467	-0.7636	-0.2434	-0.0799	-0.1265	-0.0006
Base	6329		CIM6 Max	0.4383	0.3572	2.1449	0.0136	0.3646	0.0019
Base	6329		CIM6 Min	-0.3677	-0.362	0.0425	-0.0296	-0.3123	-0.0016
Base	6329		CIM7 Max	0.3333	0.9466	3.9695	0.0764	0.2731	0.0012
Base	6329		CIM7 Min	-0.2626	-0.9716	-1.6022	-0.0924	-0.2206	-0.0012
Base	6339		PP	0.1711	-0.0006	1.6146	0.0004	0.0093	2.311E-06
Base	6339		CA	-0.019	-0.0014	0.3602	0.0012	-3.261E-05	6.19E-06
Base	6339		CV	-0.0121	-0.0007	0.1879	0.0006	-0.0001	3.096E-06
Base	6339		SX Max	1.4991	0.0445	0.9585	0.0177	0.0697	0.0003
Base	6339		SY Max	0.0626	0.1701	0.1647	0.1745	0.0055	0.0007
Base	6339		CIM1	0.1401	-0.0026	2.1926	0.0023	0.0091	1.16E-05
Base	6339		CIM2 Max	1.4714	0.0372	2.6365	0.0172	0.0852	0.0002
Base	6339		CIM2 Min	-1.1671	-0.0412	1.1515	-0.0139	-0.0696	-0.0002
Base	6339		CIM3 Max	0.2246	0.1477	2.1575	0.1552	0.0141	0.0006
Base	6339		CIM3 Min	0.0795	-0.1517	1.6325	-0.1519	0.0045	-0.0006
Base	6339		CIM4 Max	1.1326	0.0268	2.776	0.0136	0.0663	0.0002
Base	6339		CIM4 Min	-0.8463	-0.032	1.5107	-0.0095	-0.05	-0.0002
Base	6339		CIM5 Max	0.1976	0.1097	2.2653	0.1173	0.0126	0.0004
Base	6339		CIM5 Min	0.0586	-0.1149	2.0215	-0.113	0.0056	-0.0004
Base	6339		CIM6 Max	1.4105	0.036	2.0405	0.0165	0.0845	0.0002
Base	6339		CIM6 Min	-1.2279	-0.0404	0.3535	-0.0145	-0.0733	-0.0002
Base	6339		CIM7 Max	0.1639	0.1465	1.3595	0.1545	0.0104	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6339		CIM7 Min	0.0167	-0.1509	1.0345	-0.1525	0.0006	-0.0006
Base	6349		PP	0.0687	-0.0002	1.6077	0.0003	0.0041	-1.82E-06
Base	6349		CA	-0.0201	-0.0006	0.2843	0.0009	-0.0006	-4.625E-06
Base	6349		CV	-0.0132	-0.0003	0.1469	0.0005	-0.0005	-2.397E-06
Base	6349		SX Max	1.6901	0.0464	0.262	0.0267	0.1007	0.0002
Base	6349		SY Max	0.0955	0.4299	0.0903	0.3549	0.0059	0.0007
Base	6349		CIM1	0.0554	-0.0011	2.0409	0.0017	0.0031	-6.843E-06
Base	6349		CIM2 Max	1.5559	0.04	2.1226	0.0247	0.0922	0.0002
Base	6349		CIM2 Min	-1.4167	-0.0416	1.6614	-0.0222	-0.0851	-0.0002
Base	6349		CIM3 Max	0.1526	0.3775	1.9714	0.3135	0.0057	0.0006
Base	6349		CIM3 Min	-0.0155	-0.3791	1.6125	-0.311	-0.0016	-0.0007
Base	6349		CIM4 Max	1.1742	0.0296	2.1766	0.0192	0.0697	0.0002
Base	6349		CIM4 Min	-1.0565	-0.0316	1.6307	-0.016	-0.0632	-0.0002
Base	6349		CIM5 Max	0.1216	0.2627	2.0632	0.2358	0.0071	0.0005
Base	6349		CIM5 Min	-0.0043	-0.2647	1.9441	-0.2326	-0.0007	-0.0005
Base	6349		CIM6 Max	1.5265	0.0403	1.3656	0.0242	0.0906	0.0002
Base	6349		CIM6 Min	-1.4462	-0.0413	0.9046	-0.0227	-0.0865	-0.0002
Base	6349		CIM7 Max	0.1252	0.3776	1.2146	0.313	0.0073	0.0006
Base	6349		CIM7 Min	-0.0429	-0.3786	1.0557	-0.3115	-0.003	-0.0007
Base	6355		PP	0.0428	-0.0003	1.6052	0.0003	0.0024	0
Base	6355		CA	-0.0136	-0.0009	0.2266	0.0011	-0.0004	0
Base	6355		CV	-0.0102	-0.0005	0.1202	0.0005	-0.0004	0
Base	6355		SX Max	1.606	0.0564	0.0646	0.0337	0.0997	0.0002
Base	6355		SY Max	0.1052	0.6466	0.0434	0.5094	0.006	0.0004
Base	6355		CIM1	0.0189	-0.0017	1.9541	0.002	0.0015	0
Base	6355		CIM2 Max	1.6163	0.0465	1.9064	0.0311	0.0897	0.0002
Base	6355		CIM2 Min	-1.5603	-0.0506	1.7592	-0.0262	-0.0856	-0.0002
Base	6355		CIM3 Max	0.1216	0.5696	1.672	0.4497	0.0072	0.0004
Base	6355		CIM3 Min	-0.0636	-0.5721	1.7957	-0.4469	-0.0033	-0.0004
Base	6355		CIM4 Max	1.2133	0.0357	1.96	0.0241	0.0874	0.0001
Base	6355		CIM4 Min	-1.1706	-0.0386	1.866	-0.0204	-0.0842	-0.0001
Base	6355		CIM5 Max	0.0906	0.4267	1.9526	0.3381	0.0056	0.0003
Base	6355		CIM5 Min	-0.0461	-0.4296	1.8954	-0.3344	-0.0023	-0.0003
Base	6355		CIM6 Max	1.6067	0.049	1.1749	0.0305	0.0869	0.0002
Base	6355		CIM6 Min	-1.5719	-0.0504	1.0257	-0.0268	-0.0866	-0.0002
Base	6355		CIM7 Max	0.11	0.5703	1.1365	0.4492	0.0064	0.0004
Base	6355		CIM7 Min	-0.0752	-0.5717	1.0621	-0.4474	-0.0041	-0.0004
Base	6361		PP	0.0136	-0.0003	1.6016	0.0004	0.0007	0
Base	6361		CA	-0.0001	-0.0012	0.2022	0.0013	0.0005	-1.235E-06
Base	6361		CV	-0.0033	-0.0006	0.1064	0.0007	0.0001	-6.523E-07
Base	6361		SX Max	1.9065	0.0553	0.0466	0.0345	0.1071	0.0001
Base	6361		SY Max	0.1141	0.7662	0.0222	0.5964	0.0064	0.0003
Base	6361		CIM1	0.0103	-0.0021	1.9102	0.0024	0.0013	-2.267E-06
Base	6361		CIM2 Max	1.6931	0.0471	1.6466	0.032	0.0955	0.0001
Base	6361		CIM2 Min	-1.666	-0.0502	1.761	-0.0266	-0.093	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6361		CIM3 Max	0.1139	0.6745	1.6234	0.5266	0.0069	0.0003
Base	6361		CIM3 Min	-0.0866	-0.6776	1.7642	-0.5231	-0.0045	-0.0003
Base	6361		CIM4 Max	1.2706	0.0345	1.9157	0.025	0.072	0.0001
Base	6361		CIM4 Min	-1.2465	-0.0385	1.5515	-0.0206	-0.0694	-0.0001
Base	6361		CIM5 Max	0.0864	0.505	1.6963	0.3958	0.0055	0.0002
Base	6361		CIM5 Min	-0.0642	-0.509	1.6669	-0.3914	-0.003	-0.0002
Base	6361		CIM6 Max	1.6677	0.0477	1.1251	0.0314	0.095	0.0001
Base	6361		CIM6 Min	-1.6714	-0.0496	1.0395	-0.0293	-0.0935	-0.0001
Base	6361		CIM7 Max	0.1065	0.6751	1.1016	0.5259	0.0064	0.0003
Base	6361		CIM7 Min	-0.0922	-0.677	1.0627	-0.5238	-0.0049	-0.0003
Base	6367		PP	-0.0149	-0.0004	1.599	0.0004	-0.0007	0
Base	6367		CA	-0.0015	-0.0015	0.1932	0.0015	-0.0002	-1.165E-06
Base	6367		CV	-0.004	-0.0006	0.1016	0.0006	-0.0003	-6.257E-07
Base	6367		SX Max	1.9061	0.0411	0.0593	0.0303	0.107	0.0002
Base	6367		SY Max	0.1167	0.7695	0.0143	0.5975	0.0066	0.0002
Base	6367		CIM1	-0.0204	-0.0027	1.6937	0.0027	-0.0012	-2.178E-06
Base	6367		CIM2 Max	1.661	0.0343	1.6443	0.0266	0.0933	0.0001
Base	6367		CIM2 Min	-1.6938	-0.0361	1.7399	-0.0247	-0.095	-0.0001
Base	6367		CIM3 Max	0.0663	0.6753	1.6047	0.5277	0.0049	0.0002
Base	6367		CIM3 Min	-0.1191	-0.6791	1.7795	-0.5238	-0.0067	-0.0002
Base	6367		CIM4 Max	1.2366	0.0247	1.9075	0.0225	0.0695	0.0001
Base	6367		CIM4 Min	-1.2774	-0.0297	1.6292	-0.0175	-0.0717	-0.0001
Base	6367		CIM5 Max	0.0576	0.5054	1.6776	0.3966	0.0032	0.0001
Base	6367		CIM5 Min	-0.0965	-0.5104	1.6589	-0.3916	-0.0056	-0.0001
Base	6367		CIM6 Max	1.6675	0.0351	1.1275	0.0278	0.0936	0.0001
Base	6367		CIM6 Min	-1.6672	-0.0374	1.0231	-0.0255	-0.0947	-0.0001
Base	6367		CIM7 Max	0.0929	0.676	1.0679	0.5269	0.0053	0.0002
Base	6367		CIM7 Min	-0.1126	-0.6783	1.0627	-0.5246	-0.0063	-0.0002
Base	6373		PP	-0.0476	-0.0004	1.5944	0.0004	-0.0025	0
Base	6373		CA	-0.0006	-0.0015	0.1913	0.0015	0.0001	0
Base	6373		CV	-0.0033	-0.0006	0.1006	0.0007	-0.0001	0
Base	6373		SX Max	1.7979	0.0453	0.1126	0.0297	0.0993	0.0001
Base	6373		SY Max	0.112	0.6526	0.0079	0.5121	0.0062	0.0004
Base	6373		CIM1	-0.0514	-0.0026	1.6563	0.0026	-0.0026	0
Base	6373		CIM2 Max	1.534	0.0376	1.6547	0.0261	0.065	0.0001
Base	6373		CIM2 Min	-1.6303	-0.0416	1.6566	-0.0243	-0.0899	-0.0001
Base	6373		CIM3 Max	0.0504	0.5723	1.7926	0.4526	0.003	0.0003
Base	6373		CIM3 Min	-0.1466	-0.5762	1.7766	-0.4466	-0.0079	-0.0003
Base	6373		CIM4 Max	1.136	0.0273	1.9354	0.0221	0.063	0.0001
Base	6373		CIM4 Min	-1.2372	-0.0325	1.7669	-0.0172	-0.0681	-0.0001
Base	6373		CIM5 Max	0.0233	0.4261	1.6664	0.3404	0.0015	0.0003
Base	6373		CIM5 Min	-0.1246	-0.4333	1.656	-0.3356	-0.0066	-0.0003
Base	6373		CIM6 Max	1.5533	0.0366	1.1705	0.0273	0.056	0.0001
Base	6373		CIM6 Min	-1.6111	-0.041	0.9724	-0.025	-0.0589	-0.0001
Base	6373		CIM7 Max	0.0697	0.5731	1.0763	0.4516	0.004	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6373		CIM7 Min	-0.1275	-0.5754	1.0645	-0.4495	-0.0069	-0.0003
Base	6379		PP	-0.0962	-0.0003	1.5629	0.0003	-0.0044	7.714E-07
Base	6379		CA	-0.0043	-0.0012	0.1979	0.0012	-0.0003	2.762E-06
Base	6379		CV	-0.0049	-0.0006	0.1046	0.0006	-0.0003	1.425E-06
Base	6379		SX Max	1.6756	0.0439	0.2867	0.0262	0.1001	0.0001
Base	6379		SY Max	0.1051	0.4343	0.0191	0.3579	0.0063	0.0006
Base	6379		CIM1	-0.1054	-0.0021	1.5554	0.002	-0.005	4.956E-06
Base	6379		CIM2 Max	1.374	0.0371	2.0436	0.0245	0.0634	0.0001
Base	6379		CIM2 Min	-1.575	-0.0401	1.5179	-0.0216	-0.0926	-0.0001
Base	6379		CIM3 Max	-0.0051	0.3607	1.7976	0.3165	0.0009	0.0007
Base	6379		CIM3 Min	-0.193	-0.3637	1.7639	-0.3135	-0.0102	-0.0007
Base	6379		CIM4 Max	1.0017	0.027	2.0564	0.0192	0.0612	0.0001
Base	6379		CIM4 Min	-1.2101	-0.0309	1.6621	-0.0154	-0.071	-0.0001
Base	6379		CIM5 Max	-0.0348	0.2647	1.8719	0.2361	-0.0006	0.0005
Base	6379		CIM5 Min	-0.1736	-0.2686	1.8466	-0.2344	-0.0091	-0.0005
Base	6379		CIM6 Max	1.4142	0.0377	1.3313	0.024	0.0653	0.0001
Base	6379		CIM6 Min	-1.5348	-0.0395	0.8056	-0.0222	-0.0909	-0.0001
Base	6379		CIM7 Max	0.0322	0.3613	1.0853	0.3159	0.0027	0.0007
Base	6379		CIM7 Min	-0.1526	-0.3631	1.0516	-0.3141	-0.0054	-0.0007
Base	6385		PP	-0.1605	-0.0002	1.5676	0.0002	-0.0096	0
Base	6385		CA	-0.0144	-0.0006	0.213	0.0007	-0.0009	-1.119E-06
Base	6385		CV	-0.0095	-0.0003	0.1139	0.0003	-0.0006	0
Base	6385		SX Max	1.4522	0.022	0.9965	0.014	0.0654	0.0002
Base	6385		SY Max	0.0917	0.1726	0.0667	0.1764	0.0055	0.0007
Base	6385		CIM1	-0.205	-0.001	1.5946	0.0011	-0.011	-1.794E-06
Base	6385		CIM2 Max	1.109	0.0166	2.6593	0.0132	0.0674	0.0001
Base	6385		CIM2 Min	-1.4996	-0.0201	0.902	-0.0115	-0.0953	-0.0001
Base	6385		CIM3 Max	-0.1146	0.1513	1.6411	0.1561	-0.0056	0.0006
Base	6385		CIM3 Min	-0.276	-0.1526	1.7202	-0.1544	-0.0153	-0.0006
Base	6385		CIM4 Max	0.7756	0.0136	2.5251	0.0103	0.0475	0.0001
Base	6385		CIM4 Min	-1.1606	-0.0155	1.2071	-0.0062	-0.0692	-0.0001
Base	6385		CIM5 Max	-0.1421	0.1131	1.9115	0.1175	-0.0073	0.0005
Base	6385		CIM5 Min	-0.2631	-0.115	1.8206	-0.1154	-0.0145	-0.0005
Base	6385		CIM6 Max	1.1671	0.0169	1.9471	0.0126	0.0715	0.0001
Base	6385		CIM6 Min	-1.4215	-0.0196	0.1897	-0.0116	-0.0841	-0.0001
Base	6385		CIM7 Max	-0.0365	0.1516	1.1269	0.1557	-0.0014	0.0006
Base	6385		CIM7 Min	-0.1979	-0.1525	1.0079	-0.1546	-0.0111	-0.0006
Base	6395		PP	0.1213	0.0064	1.6766	-0.0042	0.006	-0.0001
Base	6395		CA	-0.1606	0.0106	0.561	-0.0095	-0.0045	-0.0001
Base	6395		CV	-0.0999	0.0057	0.2925	-0.0052	-0.0027	-2.712E-05
Base	6395		SX Max	2.3671	0.0704	2.776	0.0336	0.1495	0.0006
Base	6395		SY Max	0.3551	0.2355	0.7107	0.2157	0.0168	0.0006
Base	6395		CIM1	-0.1592	0.023	2.5323	-0.0193	0.0007	-0.0001
Base	6395		CIM2 Max	2.0237	0.0792	4.6845	0.0155	0.1349	0.0004
Base	6395		CIM2 Min	-2.1423	-0.0447	-0.2046	-0.0436	-0.1261	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6395		CIM3 Max	0.2531	0.2245	2.6652	0.1757	0.0162	0.0004
Base	6395		CIM3 Min	-0.3716	-0.19	1.6144	-0.2036	-0.0114	-0.0006
Base	6395		CIM4 Max	1.426	0.068	4.2927	0.0042	0.1	0.0003
Base	6395		CIM4 Min	-1.6965	-0.0249	0.6257	-0.0401	-0.0972	-0.0005
Base	6395		CIM5 Max	0.1001	0.177	2.9263	0.1244	0.0125	0.0002
Base	6395		CIM5 Min	-0.3666	-0.1339	1.9901	-0.1603	-0.0097	-0.0005
Base	6395		CIM6 Max	2.0474	0.0723	3.7665	0.0211	0.1336	0.0005
Base	6395		CIM6 Min	-2.1166	-0.0516	-1.1007	-0.036	-0.1295	-0.0006
Base	6395		CIM7 Max	0.2769	0.2176	1.9693	0.1613	0.0169	0.0004
Base	6395		CIM7 Min	-0.346	-0.1969	0.7165	-0.1962	-0.0126	-0.0006
Base	6405		PP	0.0901	0.0007	1.5769	-0.0016	0.005	2.202E-05
Base	6405		CA	-0.0437	0.0021	0.1641	-0.0047	0.0002	3.395E-05
Base	6405		CV	-0.0279	0.0011	0.0957	-0.0025	-0.0002	1.766E-05
Base	6405		SX Max	2.5536	0.0621	1.456	0.0497	0.1505	0.0003
Base	6405		SY Max	0.2643	0.5111	0.3944	0.4164	0.0139	0.0006
Base	6405		CIM1	0.0165	0.004	1.6567	-0.009	0.0049	0.0001
Base	6405		CIM2 Max	2.2936	0.0751	3.0443	0.0373	0.1376	0.0003
Base	6405		CIM2 Min	-2.201	-0.0694	0.4617	-0.0502	-0.1273	-0.0002
Base	6405		CIM3 Max	0.279	0.4526	2.11	0.3617	0.0174	0.0006
Base	6405		CIM3 Min	-0.1862	-0.4469	1.4159	-0.3746	-0.0071	-0.0005
Base	6405		CIM4 Max	1.711	0.0579	2.7956	0.0245	0.1043	0.0003
Base	6405		CIM4 Min	-1.6601	-0.0505	0.6736	-0.0412	-0.0944	-0.0001
Base	6405		CIM5 Max	0.1999	0.341	2.0951	0.2678	0.0141	0.0005
Base	6405		CIM5 Min	-0.149	-0.3336	1.5745	-0.2845	-0.0042	-0.0003
Base	6405		CIM6 Max	2.2752	0.074	2.3391	0.0389	0.1355	0.0003
Base	6405		CIM6 Min	-2.2195	-0.0705	-0.2235	-0.0477	-0.1294	-0.0002
Base	6405		CIM7 Max	0.2605	0.4515	1.4046	0.3643	0.0153	0.0005
Base	6405		CIM7 Min	-0.2048	-0.4481	0.7107	-0.3721	-0.0092	-0.0005
Base	6411		PP	0.0527	0.0002	1.5764	-0.0009	0.0026	1.647E-06
Base	6411		CA	0.0065	0.0009	0.1002	-0.0024	0.001	0
Base	6411		CV	-0.0013	0.0005	0.0527	-0.0013	0.0002	0
Base	6411		SX Max	2.6537	0.0612	0.7646	0.0541	0.1531	0.0003
Base	6411		SY Max	0.1964	0.7314	0.3517	0.5604	0.0113	0.0004
Base	6411		CIM1	0.0579	0.0016	1.7292	-0.0046	0.004	1.644E-06
Base	6411		CIM2 Max	2.3945	0.0726	2.367	0.0444	0.1356	0.0002
Base	6411		CIM2 Min	-2.276	-0.0704	0.9661	-0.0509	-0.131	-0.0002
Base	6411		CIM3 Max	0.2339	0.6447	1.9561	0.5075	0.0136	0.0004
Base	6411		CIM3 Min	-0.1154	-0.6425	1.3671	-0.514	-0.0062	-0.0004
Base	6411		CIM4 Max	1.6097	0.0551	2.2339	0.0315	0.105	0.0002
Base	6411		CIM4 Min	-1.6932	-0.0522	1.1962	-0.04	-0.0971	-0.0002
Base	6411		CIM5 Max	0.1692	0.4642	1.9462	0.3766	0.0115	0.0003
Base	6411		CIM5 Min	-0.0727	-0.4613	1.4639	-0.3673	-0.0035	-0.0003
Base	6411		CIM6 Max	2.3706	0.0721	1.6964	0.0457	0.1371	0.0002
Base	6411		CIM6 Min	-2.2997	-0.0706	0.3155	-0.0496	-0.1325	-0.0002
Base	6411		CIM7 Max	0.2102	0.6443	1.3155	0.5066	0.0123	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6411		CIM7 Min	-0.1391	-0.643	0.6964	-0.5127	-0.0077	-0.0004
Base	6417		PP	0.0194	-3.642E-05	1.5812	-0.0004	0.001	7.676E-07
Base	6417		CA	0.0209	-1.03E-06	0.0903	-0.0011	0.0015	2.979E-06
Base	6417		CV	0.0064	9.232E-06	0.0466	-0.0006	0.0005	1.556E-06
Base	6417		SX Max	2.7327	0.0765	0.322	0.0527	0.1565	0.0002
Base	6417		SY Max	0.1415	0.8449	0.4207	0.6636	0.0057	0.0003
Base	6417		CIM1	0.0467	-2.622E-05	1.7201	-0.0021	0.003	5.305E-06
Base	6417		CIM2 Max	2.4451	0.0691	1.9549	0.0449	0.1402	0.0002
Base	6417		CIM2 Min	-2.3645	-0.0691	1.3882	-0.0479	-0.1352	-0.0002
Base	6417		CIM3 Max	0.1646	0.7435	2.0416	0.5626	0.0102	0.0003
Base	6417		CIM3 Min	-0.0643	-0.7436	1.3013	-0.5656	-0.0051	-0.0003
Base	6417		CIM4 Max	1.6467	0.0518	1.9205	0.0328	0.1062	0.0002
Base	6417		CIM4 Min	-1.7565	-0.0519	1.4955	-0.0368	-0.1004	-0.0001
Base	6417		CIM5 Max	0.1365	0.5576	1.9856	0.4361	0.0056	0.0002
Base	6417		CIM5 Min	-0.0463	-0.5577	1.4303	-0.4401	-0.0026	-0.0002
Base	6417		CIM6 Max	2.4269	0.0691	1.2663	0.0455	0.1392	0.0002
Base	6417		CIM6 Min	-2.3606	-0.0691	0.7196	-0.0473	-0.1362	-0.0002
Base	6417		CIM7 Max	0.1467	0.7435	1.3732	0.5632	0.0091	0.0003
Base	6417		CIM7 Min	-0.1004	-0.7435	0.6327	-0.565	-0.0061	-0.0003
Base	6423		PP	-0.0179	-0.0001	1.5806	-0.0003	-0.0009	0
Base	6423		CA	0.0093	-0.0002	0.0955	-0.0005	0.0003	1.985E-06
Base	6423		CV	0.0007	-0.0001	0.0526	-0.0003	-0.0001	1.023E-06
Base	6423		SX Max	2.764	0.0714	0.0917	0.0497	0.1576	0.0003
Base	6423		SY Max	0.1376	0.6265	0.5999	0.6501	0.0072	0.0002
Base	6423		CIM1	-0.0079	-0.0003	1.7269	-0.0011	-0.0006	2.656E-06
Base	6423		CIM2 Max	2.4236	0.0626	1.757	0.0429	0.1381	0.0002
Base	6423		CIM2 Min	-2.4409	-0.063	1.5956	-0.0446	-0.1392	-0.0002
Base	6423		CIM3 Max	0.1125	0.7271	2.2042	0.5712	0.0057	0.0002
Base	6423		CIM3 Min	-0.1297	-0.7275	1.1464	-0.5729	-0.0069	-0.0002
Base	6423		CIM4 Max	1.6162	0.0468	1.7763	0.0318	0.1034	0.0002
Base	6423		CIM4 Min	-1.6323	-0.0474	1.6552	-0.0339	-0.1046	-0.0002
Base	6423		CIM5 Max	0.0626	0.5452	2.1117	0.426	0.0041	0.0001
Base	6423		CIM5 Min	-0.0969	-0.5456	1.3196	-0.4301	-0.0053	-0.0001
Base	6423		CIM6 Max	2.4272	0.0627	1.0665	0.0432	0.1363	0.0002
Base	6423		CIM6 Min	-2.4375	-0.063	0.9251	-0.0442	-0.139	-0.0002
Base	6423		CIM7 Max	0.116	0.7272	1.5337	0.5716	0.006	0.0002
Base	6423		CIM7 Min	-0.1263	-0.7274	0.4779	-0.5726	-0.0066	-0.0002
Base	6429		PP	-0.0564	0.0001	1.5696	-0.0005	-0.0029	-2.964E-06
Base	6429		CA	-0.0015	-0.0001	0.0966	-0.0003	-2.276E-05	5.349E-07
Base	6429		CV	-0.0045	-0.0001	0.0552	-0.0002	-0.0002	0
Base	6429		SX Max	2.7499	0.0611	0.4537	0.0523	0.1575	0.0003
Base	6429		SY Max	0.2243	0.6755	0.932	0.5416	0.009	0.0004
Base	6429		CIM1	-0.0644	-0.0001	1.7216	-0.001	-0.0032	-2.235E-06
Base	6429		CIM2 Max	2.36	0.0713	2.0656	0.0452	0.1357	0.0003
Base	6429		CIM2 Min	-2.4796	-0.0715	1.2672	-0.0468	-0.1416	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6429		CIM3 Max	0.1375	0.5944	2.4666	0.4756	0.005	0.0004
Base	6429		CIM3 Min	-0.2572	-0.5945	0.6462	-0.4774	-0.0106	-0.0004
Base	6429		CIM4 Max	1.7517	0.0534	2.0072	0.0336	0.1006	0.0002
Base	6429		CIM4 Min	-1.6762	-0.0537	1.4064	-0.0355	-0.1071	-0.0002
Base	6429		CIM5 Max	0.0647	0.4457	2.323	0.3565	0.0028	0.0003
Base	6429		CIM5 Min	-0.2113	-0.446	1.0927	-0.3564	-0.009	-0.0003
Base	6429		CIM6 Max	2.364	0.0714	1.3891	0.0455	0.1369	0.0003
Base	6429		CIM6 Min	-2.4559	-0.0714	0.6006	-0.0465	-0.1404	-0.0003
Base	6429		CIM7 Max	0.1614	0.5944	1.62	0.4762	0.0061	0.0004
Base	6429		CIM7 Min	-0.2333	-0.5945	0.1796	-0.4771	-0.0097	-0.0004
Base	6435		PP	-0.1121	0.0007	1.5444	-0.0012	-0.0055	-1.675E-05
Base	6435		CA	-0.011	2.263E-05	0.0965	-0.0003	-0.0006	-2.928E-06
Base	6435		CV	-0.0066	3.268E-05	0.056	-0.0002	-0.0006	-1.955E-06
Base	6435		SX Max	2.6976	0.0649	0.954	0.0497	0.1562	0.0002
Base	6435		SY Max	0.3542	0.4229	1.5062	0.3645	0.0125	0.0009
Base	6435		CIM1	-0.132	0.0007	1.6969	-0.0016	-0.0069	-2.363E-05
Base	6435		CIM2 Max	2.2509	0.0754	2.4604	0.0421	0.1312	0.0002
Base	6435		CIM2 Min	-2.4972	-0.074	0.8014	-0.0453	-0.1436	-0.0002
Base	6435		CIM3 Max	0.1666	0.3729	2.9661	0.3191	0.0047	0.0007
Base	6435		CIM3 Min	-0.4346	-0.3715	0.3137	-0.3223	-0.0173	-0.0006
Base	6435		CIM4 Max	1.6506	0.0567	2.314	0.031	0.0964	0.0001
Base	6435		CIM4 Min	-1.9103	-0.0553	1.0546	-0.0345	-0.1099	-0.0002
Base	6435		CIM5 Max	0.104	0.2799	2.6796	0.2366	0.0015	0.0005
Base	6435		CIM5 Min	-0.3635	-0.2784	0.869	-0.2423	-0.015	-0.0006
Base	6435		CIM6 Max	2.3002	0.0751	1.824	0.0426	0.1337	0.0002
Base	6435		CIM6 Min	-2.4479	-0.0743	0.145	-0.0447	-0.1413	-0.0002
Base	6435		CIM7 Max	0.2376	0.3726	2.3117	0.3196	0.0072	0.0007
Base	6435		CIM7 Min	-0.3856	-0.3718	-0.3427	-0.3217	-0.0147	-0.0006
Base	6441		PP	-0.1716	0.0064	1.5539	-0.0032	-0.0096	0.0001
Base	6441		CA	-0.0112	0.001	0.1114	-0.0007	-0.0009	7.966E-06
Base	6441		CV	-0.008	0.0007	0.072	-0.0005	-0.0007	5.216E-06
Base	6441		SX Max	2.5493	0.047	1.946	0.029	0.1564	0.0007
Base	6441		SY Max	0.5662	0.1502	2.7769	0.1741	0.0169	0.0006
Base	6441		CIM1	-0.1906	0.006	1.7374	-0.0044	-0.0111	0.0001
Base	6441		CIM2 Max	2.0605	0.0466	3.3779	0.0216	0.1271	0.0007
Base	6441		CIM2 Min	-2.4262	-0.034	-0.0472	-0.0295	-0.1461	-0.0005
Base	6441		CIM3 Max	0.3154	0.1395	4.1106	0.1492	0.0044	0.0006
Base	6441		CIM3 Min	-0.6611	-0.1246	-0.7601	-0.1571	-0.0254	-0.0007
Base	6441		CIM4 Max	1.4937	0.0369	3.0036	0.0149	0.0922	0.0005
Base	6441		CIM4 Min	-1.6713	-0.0232	0.435	-0.0235	-0.1142	-0.0004
Base	6441		CIM5 Max	0.1649	0.107	3.5535	0.1106	0.0002	0.0006
Base	6441		CIM5 Min	-0.5625	-0.0912	-0.1147	-0.1192	-0.0221	-0.0005
Base	6441		CIM6 Max	2.1336	0.0456	2.7117	0.0232	0.1313	0.0006
Base	6441		CIM6 Min	-2.353	-0.037	-0.7133	-0.0279	-0.1439	-0.0005
Base	6441		CIM7 Max	0.3665	0.1366	3.4447	0.1506	0.0056	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6441		CIM7 Min	-0.606	-0.1277	-1.4462	-0.1555	-0.0212	-0.0007
Base	6451		PP	0.0062	-0.0969	1.13	0.0057	0.0025	2.541E-05
Base	6451		CA	0.0006	-0.0762	0.3921	0.0047	0.0004	3.663E-06
Base	6451		CV	0.0004	-0.0403	0.1969	0.0023	0.0002	1.774E-06
Base	6451		SX Max	0.0373	0.192	1.2615	0.0122	0.0518	0.0005
Base	6451		SY Max	0.0922	0.406	2.1533	0.0471	0.0564	0.0002
Base	6451		CIM1	0.0073	-0.2175	1.719	0.0126	0.0031	3.064E-05
Base	6451		CIM2 Max	0.0397	-0.0062	2.6496	0.0212	0.0466	0.0005
Base	6451		CIM2 Min	-0.0256	-0.3461	0.3944	-0.0003	-0.0427	-0.0004
Base	6451		CIM3 Max	0.0661	0.1601	3.417	0.0519	0.0525	0.0002
Base	6451		CIM3 Min	-0.0742	-0.5344	-0.3729	-0.031	-0.0467	-0.0001
Base	6451		CIM4 Max	0.0316	-0.0607	2.5155	0.0202	0.0372	0.0004
Base	6451		CIM4 Min	-0.0174	-0.3341	0.524	0.0041	-0.0312	-0.0003
Base	6451		CIM5 Max	0.0651	0.0605	3.0909	0.0433	0.0492	0.0002
Base	6451		CIM5 Min	-0.0536	-0.4753	0.2465	-0.0169	-0.0342	-0.0001
Base	6451		CIM6 Max	0.037	0.0626	2.0409	0.017	0.0473	0.0005
Base	6451		CIM6 Min	-0.0266	-0.2752	-0.2145	-0.0045	-0.0439	-0.0005
Base	6451		CIM7 Max	0.0653	0.251	2.8062	0.0477	0.0513	0.0002
Base	6451		CIM7 Min	-0.077	-0.4636	-0.9617	-0.0352	-0.0479	-0.0001
Base	6461		PP	-0.0064	-0.0752	1.062	0.0043	-0.0026	-2.568E-05
Base	6461		CA	-0.0012	-0.0167	0.1621	0.0009	-0.0006	-2.097E-06
Base	6461		CV	-0.0007	-0.0087	0.061	0.0004	-0.0003	-1.221E-06
Base	6461		SX Max	0.0406	0.1945	1.2312	0.0115	0.0394	0.0004
Base	6461		SY Max	0.0935	0.3694	1.6696	0.0445	0.0555	0.0002
Base	6461		CIM1	-0.0052	-0.1006	1.3051	0.0056	-0.0036	-2.92E-05
Base	6461		CIM2 Max	0.0252	0.0793	2.3076	0.0153	0.0315	0.0004
Base	6461		CIM2 Min	-0.0433	-0.2631	0.1406	-0.0049	-0.0379	-0.0004
Base	6461		CIM3 Max	0.0747	0.2332	2.6693	0.0444	0.0456	0.0001
Base	6461		CIM3 Min	-0.0696	-0.417	-0.4211	-0.034	-0.0521	-0.0002
Base	6461		CIM4 Max	0.0167	0.03	2.0974	0.0131	0.0226	0.0003
Base	6461		CIM4 Min	-0.0345	-0.2266	0.4723	-0.0021	-0.0295	-0.0003
Base	6461		CIM5 Max	0.0537	0.1454	2.5166	0.0349	0.0332	0.0001
Base	6461		CIM5 Min	-0.0695	-0.3422	0.0509	-0.0239	-0.0401	-0.0001
Base	6461		CIM6 Max	0.0312	0.116	1.8179	0.0133	0.0326	0.0004
Base	6461		CIM6 Min	-0.0403	-0.2263	-0.349	-0.007	-0.0366	-0.0004
Base	6461		CIM7 Max	0.0776	0.2699	2.3797	0.0423	0.0469	0.0001
Base	6461		CIM7 Min	-0.0868	-0.3502	-0.9105	-0.036	-0.0506	-0.0002
Base	6471		PP	-2.657E-06	0.0201	1.5494	0.0016	-3.441E-06	0
Base	6471		CA	-4.713E-06	0.073	0.5661	0.0063	-6.395E-06	0
Base	6471		CV	-1.661E-05	0.036	0.4664	0.0032	-1.997E-05	0
Base	6471		SX Max	0.745	0.0152	0.0001	0.0051	0.6054	0.0001
Base	6471		SY Max	0.0076	0.2649	0.0004	0.0388	0.0058	3.077E-06
Base	6471		CIM1	-2.416E-05	0.131	2.9019	0.0111	-2.951E-05	0
Base	6471		CIM2 Max	0.6556	0.1091	2.4356	0.0124	0.5327	0.0001
Base	6471		CIM2 Min	-0.6556	0.077	2.4355	0.0034	-0.5326	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6471		CIM3 Max	0.0067	0.3436	2.4359	0.042	0.0051	2.69E-06
Base	6471		CIM3 Min	-0.0067	-0.1577	2.4352	-0.0262	-0.0051	-2.725E-06
Base	6471		CIM4 Max	0.4917	0.1335	2.7654	0.0137	0.3995	4.156E-05
Base	6471		CIM4 Min	-0.4917	0.1095	2.7653	0.0069	-0.3996	-4.162E-05
Base	6471		CIM5 Max	0.005	0.3096	2.7656	0.0359	0.0038	2.006E-06
Base	6471		CIM5 Min	-0.005	-0.0665	2.7651	-0.0153	-0.0038	-2.053E-06
Base	6471		CIM6 Max	0.6556	0.0719	1.4614	0.0092	0.5327	0.0001
Base	6471		CIM6 Min	-0.6556	0.0396	1.4613	0.0003	-0.5326	-0.0001
Base	6471		CIM7 Max	0.0067	0.3065	1.4617	0.0389	0.0051	2.697E-06
Base	6471		CIM7 Min	-0.0067	-0.1949	1.461	-0.0294	-0.0051	-2.716E-06
Base	6485		PP	0.0065	0.0651	0.9919	-0.005	0.0029	2.096E-05
Base	6485		CA	0.0037	0.2566	-0.01	-0.0167	0.002	1.185E-05
Base	6485		CV	0.0019	0.1361	-0.0146	-0.0069	0.001	6.116E-06
Base	6485		SX Max	0.0761	0.4642	2.7172	0.0246	0.0602	0.0002
Base	6485		SY Max	0.134	0.3161	1.4355	0.0461	0.0615	0.0003
Base	6485		CIM1	0.0121	0.458	0.9671	-0.0306	0.0059	3.895E-05
Base	6485		CIM2 Max	0.079	0.7305	3.373	-3.503E-05	0.0579	0.0002
Base	6485		CIM2 Min	-0.0586	-0.0566	-1.4092	-0.0434	-0.0451	-0.0002
Base	6485		CIM3 Max	0.1261	0.6	2.2451	0.0189	0.0766	0.0003
Base	6485		CIM3 Min	-0.1077	0.0436	-0.2613	-0.0623	-0.0669	-0.0002
Base	6485		CIM4 Max	0.0632	0.7304	2.7641	-0.0122	0.0454	0.0002
Base	6485		CIM4 Min	-0.04	0.1176	-0.8226	-0.0446	-0.0341	-0.0001
Base	6485		CIM5 Max	0.1001	0.6326	1.9152	0.002	0.0594	0.0002
Base	6485		CIM5 Min	-0.0766	0.2154	0.0234	-0.0566	-0.0462	-0.0001
Base	6485		CIM6 Max	0.0749	0.6017	2.9603	0.0086	0.0559	0.0002
Base	6485		CIM6 Min	-0.0626	-0.2154	-1.602	-0.0347	-0.0501	-0.0002
Base	6485		CIM7 Max	0.1241	0.4713	1.6524	0.0276	0.0747	0.0003
Base	6485		CIM7 Min	-0.1118	-0.085	-0.6741	-0.0536	-0.0666	-0.0002
Base	6495		PP	0.0062	0.0791	1.2645	-0.0069	0.0027	-3.427E-05
Base	6495		CA	0.001	0.0035	0.4014	-0.0069	0.0005	-5.175E-06
Base	6495		CV	0.0005	0.0022	0.2165	-0.0046	0.0002	-4.152E-06
Base	6495		SX Max	0.0649	0.2332	1.3293	0.0136	0.051	0.0006
Base	6495		SY Max	0.1111	0.4693	2.1599	0.0554	0.067	0.0002
Base	6495		CIM1	0.0077	0.0648	1.9024	-0.0206	0.0034	-4.659E-05
Base	6495		CIM2 Max	0.0644	0.2676	2.6557	-0.0037	0.048	0.0005
Base	6495		CIM2 Min	-0.0499	-0.1226	0.5161	-0.0279	-0.0416	-0.0006
Base	6495		CIM3 Max	0.1049	0.5131	3.5666	0.0329	0.0621	0.0001
Base	6495		CIM3 Min	-0.0905	-0.346	-0.2149	-0.0645	-0.0556	-0.0002
Base	6495		CIM4 Max	0.0505	0.2361	2.7256	-0.0103	0.037	0.0004
Base	6495		CIM4 Min	-0.0353	-0.0696	0.9709	-0.0265	-0.0304	-0.0005
Base	6495		CIM5 Max	0.0509	0.4072	3.2736	0.0171	0.0475	0.0001
Base	6495		CIM5 Min	-0.0657	-0.2367	0.4227	-0.056	-0.0409	-0.0002
Base	6495		CIM6 Max	0.0615	0.2547	2.1813	0.0026	0.0466	0.0005
Base	6495		CIM6 Min	-0.0526	-0.1556	-0.1583	-0.0216	-0.043	-0.0006
Base	6495		CIM7 Max	0.1021	0.4601	2.9122	0.0392	0.0609	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6495		CIM7 Min	-0.0934	-0.351	-0.8692	-0.0562	-0.0571	-0.0002
Base	6505		PP	-0.0062	0.073	1.071	-0.0044	-0.0025	2.666E-05
Base	6505		CA	-0.0005	0.0065	0.1726	-0.0006	-0.0001	4.57E-06
Base	6505		CV	-0.0003	0.0042	0.1	-0.0006	-0.0001	2.556E-06
Base	6505		SX Max	0.0419	0.1975	1.3034	0.0122	0.0369	0.0004
Base	6505		SY Max	0.0952	0.3639	2.0126	0.0455	0.0576	0.0002
Base	6505		CIM1	-0.0069	0.0637	1.3436	-0.0057	-0.0026	3.378E-05
Base	6505		CIM2 Max	0.0302	0.2533	2.3906	0.0056	0.0299	0.0004
Base	6505		CIM2 Min	-0.0435	-0.0943	0.0966	-0.0159	-0.035	-0.0003
Base	6505		CIM3 Max	0.0772	0.4173	3.0149	0.0349	0.0463	0.0002
Base	6505		CIM3 Min	-0.0904	-0.2584	-0.5272	-0.0453	-0.0534	-0.0001
Base	6505		CIM4 Max	0.0206	0.213	2.179	0.0025	0.0217	0.0003
Base	6505		CIM4 Min	-0.0345	-0.0477	0.4565	-0.0137	-0.0269	-0.0002
Base	6505		CIM5 Max	0.056	0.336	2.6471	0.0245	0.0355	0.0002
Base	6505		CIM5 Min	-0.0697	-0.1706	-0.0095	-0.0357	-0.0407	-0.0001
Base	6505		CIM6 Max	0.0329	0.2215	1.6933	0.0076	0.0309	0.0004
Base	6505		CIM6 Min	-0.0406	-0.1261	-0.4007	-0.0139	-0.034	-0.0003
Base	6505		CIM7 Max	0.0796	0.3656	2.5173	0.037	0.0493	0.0002
Base	6505		CIM7 Min	-0.0876	-0.2902	-1.0246	-0.0432	-0.0524	-0.0001
Base	6515		PP	0.0491	0.0009	1.3635	-0.0014	0.0026	-2.063E-05
Base	6515		CA	-0.0149	0.0008	0.0843	-0.0007	-0.0009	-7.527E-06
Base	6515		CV	-0.0065	0.0005	0.0505	-0.0005	-0.0005	-4.866E-06
Base	6515		SX Max	1.5615	0.024	0.2131	0.0102	0.126	0.0005
Base	6515		SY Max	0.5636	0.0939	1.6046	0.0506	0.0253	0.0006
Base	6515		CIM1	0.0257	0.0023	1.4983	-0.0025	0.0012	-3.303E-05
Base	6515		CIM2 Max	1.69	0.0229	1.6354	0.007	0.1127	0.0004
Base	6515		CIM2 Min	-1.6215	-0.0194	1.2602	-0.011	-0.1092	-0.0005
Base	6515		CIM3 Max	0.5302	0.0643	2.66	0.0427	0.024	0.0006
Base	6515		CIM3 Min	-0.4616	-0.0609	0.0356	-0.0466	-0.0205	-0.0007
Base	6515		CIM4 Max	1.2696	0.016	1.6264	0.0044	0.0845	0.0003
Base	6515		CIM4 Min	-1.214	-0.0137	1.345	-0.0091	-0.0616	-0.0004
Base	6515		CIM5 Max	0.3998	0.0641	2.5446	0.0312	0.0161	0.0005
Base	6515		CIM5 Min	-0.3442	-0.0596	0.4265	-0.0359	-0.0154	-0.0005
Base	6515		CIM6 Max	1.6763	0.0222	1.0562	0.0076	0.112	0.0004
Base	6515		CIM6 Min	-1.6352	-0.0201	0.6811	-0.0102	-0.1099	-0.0005
Base	6515		CIM7 Max	0.5165	0.0636	2.2609	0.0435	0.0233	0.0006
Base	6515		CIM7 Min	-0.4755	-0.0616	-0.5435	-0.046	-0.0212	-0.0007
Base	6525		PP	-0.0607	0.0045	1.3921	-0.0025	-0.004	4.822E-05
Base	6525		CA	-0.0163	0.0006	0.0852	-0.0005	-0.001	7.435E-06
Base	6525		CV	-0.009	0.0004	0.0571	-0.0004	-0.0006	4.962E-06
Base	6525		SX Max	1.5507	0.0654	1.6522	0.0179	0.1239	0.0007
Base	6525		SY Max	0.6431	0.0963	2.5803	0.0502	0.0246	0.0006
Base	6525		CIM1	-0.0659	0.0055	1.5344	-0.0034	-0.0057	0.0001
Base	6525		CIM2 Max	1.5516	0.0627	2.9576	0.0126	0.104	0.0007
Base	6525		CIM2 Min	-1.7056	-0.0525	-0.003	-0.0167	-0.1141	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6525		CIM3 Max	0.4589	0.0699	3.7479	0.0412	0.0166	0.0006
Base	6525		CIM3 Min	-0.6429	-0.0797	-0.7933	-0.0472	-0.0267	-0.0004
Base	6525		CIM4 Max	1.1377	0.0466	2.6304	0.0056	0.0763	0.0005
Base	6525		CIM4 Min	-1.3051	-0.0376	0.4099	-0.0151	-0.0573	-0.0004
Base	6525		CIM5 Max	0.3407	0.069	3.2231	0.0299	0.0107	0.0004
Base	6525		CIM5 Min	-0.5061	-0.0582	-0.1628	-0.0364	-0.0216	-0.0003
Base	6525		CIM6 Max	1.5624	0.0607	2.3667	0.014	0.106	0.0007
Base	6525		CIM6 Min	-1.6746	-0.0545	-0.5939	-0.0175	-0.1121	-0.0006
Base	6525		CIM7 Max	0.5197	0.0676	3.157	0.0424	0.0166	0.0005
Base	6525		CIM7 Min	-0.6121	-0.0817	-1.3643	-0.046	-0.0247	-0.0005
Base	6535		PP	-0.004	0.1536	1.6642	-0.0065	-0.0021	-0.0001
Base	6535		CA	-0.0005	0.0371	0.0903	-0.0026	-0.0004	-5.647E-06
Base	6535		CV	-0.0003	0.0257	0.0596	-0.0016	-0.0002	-3.93E-06
Base	6535		SX Max	0.2461	0.6059	2.3596	0.0247	0.1192	0.0017
Base	6535		SY Max	0.0255	2.1767	2.2096	0.1389	0.0093	0.0004
Base	6535		CIM1	-0.0046	0.2166	1.6141	-0.0129	-0.0027	-0.0001
Base	6535		CIM2 Max	0.2121	0.7241	3.6309	0.0107	0.1025	0.0014
Base	6535		CIM2 Min	-0.2211	-0.3423	-0.322	-0.0329	-0.1073	-0.0015
Base	6535		CIM3 Max	0.016	2.1064	3.6969	0.112	0.0056	0.0003
Base	6535		CIM3 Min	-0.0269	-1.7246	-0.19	-0.1342	-0.0106	-0.0004
Base	6535		CIM4 Max	0.1578	0.61	3.3565	0.0039	0.0761	0.001
Base	6535		CIM4 Min	-0.1671	-0.1697	0.2416	-0.0268	-0.0613	-0.0012
Base	6535		CIM5 Max	0.0122	1.6466	3.2575	0.0799	0.0035	0.0002
Base	6535		CIM5 Min	-0.0216	-1.2265	0.3406	-0.1046	-0.0056	-0.0003
Base	6535		CIM6 Max	0.2139	0.6477	3.1291	0.0151	0.1034	0.0014
Base	6535		CIM6 Min	-0.2193	-0.4186	-1.0238	-0.0264	-0.1064	-0.0015
Base	6535		CIM7 Max	0.0196	2.03	2.9971	0.1164	0.0067	0.0003
Base	6535		CIM7 Min	-0.0252	-1.601	-0.6916	-0.1295	-0.0097	-0.0004
Base	6541		PP	-0.0015	0.0559	1.6627	-0.0023	-0.0011	4.221E-05
Base	6541		CA	-0.0003	0.0352	0.0836	-0.0013	-0.0003	3.214E-06
Base	6541		CV	-0.0001	0.0249	0.0472	-0.0011	-0.0002	1.795E-06
Base	6541		SX Max	0.2776	0.3479	1.5799	0.0177	0.1244	0.0015
Base	6541		SY Max	0.0263	2.2049	0.2334	0.14	0.0115	0.0002
Base	6541		CIM1	-0.0019	0.116	1.7935	-0.0046	-0.0017	4.723E-05
Base	6541		CIM2 Max	0.2425	0.3972	3.1366	0.012	0.108	0.0014
Base	6541		CIM2 Min	-0.2461	-0.2151	0.356	-0.0192	-0.1109	-0.0013
Base	6541		CIM3 Max	0.0232	2.0314	1.9517	0.1196	0.0057	0.0003
Base	6541		CIM3 Min	-0.0267	-1.8493	1.5409	-0.1266	-0.0116	-0.0002
Base	6541		CIM4 Max	0.1614	0.3394	2.6244	0.0072	0.0605	0.001
Base	6541		CIM4 Min	-0.1651	-0.1196	0.739	-0.0162	-0.0637	-0.0009
Base	6541		CIM5 Max	0.0166	1.565	1.9356	0.0679	0.006	0.0002
Base	6541		CIM5 Min	-0.0205	-1.3455	1.6277	-0.0969	-0.0092	-0.0001
Base	6541		CIM6 Max	0.2432	0.3606	2.4361	0.0134	0.1056	0.0014
Base	6541		CIM6 Min	-0.2454	-0.2515	-0.3425	-0.0176	-0.1103	-0.0013
Base	6541		CIM7 Max	0.0239	1.995	1.2532	0.121	0.0093	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6541		CIM7 Min	-0.026	-1.6657	0.6424	-0.1253	-0.011	-0.0002
Base	6551		PP	-0.0013	-0.1407	1.6503	0.0077	-0.0006	-1.67E-05
Base	6551		CA	-0.0005	0.0097	0.0704	0.0002	-0.0004	-7.334E-07
Base	6551		CV	-0.0003	0.01	0.0215	-0.0003	-0.0002	0
Base	6551		SX Max	0.2242	0.5315	1.0166	0.0271	0.2104	0.0019
Base	6551		SY Max	0.0251	1.7007	4.5193	0.1276	0.0103	0.0003
Base	6551		CIM1	-0.002	-0.1211	1.7422	0.0076	-0.0012	-1.975E-05
Base	6551		CIM2 Max	0.1956	0.3366	2.6153	0.0317	0.1642	0.0016
Base	6551		CIM2 Min	-0.199	-0.5986	0.6261	-0.0159	-0.1661	-0.0017
Base	6551		CIM3 Max	0.0203	1.3655	5.6977	0.1202	0.0081	0.0002
Base	6551		CIM3 Min	-0.0236	-1.6277	-2.2563	-0.1044	-0.01	-0.0003
Base	6551		CIM4 Max	0.1461	0.2272	2.4077	0.0256	0.1377	0.0012
Base	6551		CIM4 Min	-0.1499	-0.4744	1.0659	-0.0102	-0.14	-0.0012
Base	6551		CIM5 Max	0.0146	0.9956	4.7195	0.0919	0.0057	0.0002
Base	6551		CIM5 Min	-0.0165	-1.246	-1.2459	-0.0765	-0.0079	-0.0002
Base	6551		CIM6 Max	0.1963	0.3691	1.927	0.0266	0.1646	0.0016
Base	6551		CIM6 Min	-0.1963	-0.5464	0.1376	-0.0191	-0.1657	-0.0017
Base	6551		CIM7 Max	0.021	1.4179	5.0094	0.117	0.0085	0.0003
Base	6551		CIM7 Min	-0.0231	-1.5752	-2.9445	-0.1075	-0.0096	-0.0003
Base	6573		PP	-0.0016	0.1994	1.5799	-0.0113	-0.001	-0.0001
Base	6573		CA	-0.0006	0.0711	0.1249	-0.0044	-0.0003	-5.369E-06
Base	6573		CV	-0.0005	0.0443	0.0774	-0.0026	-0.0002	-3.569E-06
Base	6573		SX Max	0.0965	1.209	1.0303	0.0491	0.0525	0.0007
Base	6573		SY Max	0.0696	2.6423	2.7516	0.1625	0.0251	0.0006
Base	6573		CIM1	-0.0031	0.3146	1.7622	-0.0165	-0.0015	-0.0001
Base	6573		CIM2 Max	0.0841	1.3344	2.6114	0.0275	0.0449	0.0005
Base	6573		CIM2 Min	-0.0892	-0.7935	0.7961	-0.059	-0.0475	-0.0007
Base	6573		CIM3 Max	0.0763	2.5956	4.1262	0.1273	0.0206	0.0006
Base	6573		CIM3 Min	-0.0814	-2.0547	-0.7166	-0.1565	-0.0234	-0.0009
Base	6573		CIM4 Max	0.062	1.1016	2.4429	0.0146	0.0332	0.0004
Base	6573		CIM4 Min	-0.0679	-0.4943	1.0529	-0.0503	-0.0361	-0.0006
Base	6573		CIM5 Max	0.0562	2.0476	3.5769	0.0694	0.0151	0.0005
Base	6573		CIM5 Min	-0.0621	-1.4402	-0.0532	-0.1251	-0.018	-0.0007
Base	6573		CIM6 Max	0.0851	1.2262	1.9295	0.0336	0.0454	0.0006
Base	6573		CIM6 Min	-0.0862	-0.9017	0.1162	-0.0527	-0.047	-0.0007
Base	6573		CIM7 Max	0.0773	2.4675	3.4443	0.1336	0.0213	0.0007
Base	6573		CIM7 Min	-0.0804	-2.1629	-1.3955	-0.1525	-0.0226	-0.0008
Base	6579		PP	0.0039	0.0652	1.7164	-0.0045	0.0019	0.0001
Base	6579		CA	0.0002	0.0913	0.1667	-0.0047	1.615E-05	6.232E-06
Base	6579		CV	0.0001	0.0563	0.0995	-0.0031	-1.007E-05	3.616E-06
Base	6579		SX Max	0.2173	0.4174	0.5462	0.0225	0.1126	0.0024
Base	6579		SY Max	0.0335	3.0465	0.6757	0.1695	0.015	0.0004
Base	6579		CIM1	0.0042	0.2348	2.0046	-0.0123	0.0019	0.0001
Base	6579		CIM2 Max	0.1953	0.5436	2.6497	0.0106	0.101	0.0021
Base	6579		CIM2 Min	-0.1671	-0.1906	1.1604	-0.0291	-0.0971	-0.002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6579		CIM3 Max	0.0336	2.6574	2.4997	0.1399	0.0151	0.0004
Base	6579		CIM3 Min	-0.0254	-2.5044	1.3105	-0.1564	-0.0113	-0.0003
Base	6579		CIM4 Max	0.1476	0.4957	2.5362	0.0033	0.0762	0.0016
Base	6579		CIM4 Min	-0.1393	-0.0553	1.4212	-0.0264	-0.0724	-0.0015
Base	6579		CIM5 Max	0.0263	2.2309	2.4256	0.1003	0.0118	0.0003
Base	6579		CIM5 Min	-0.0179	-1.7905	1.5336	-0.1234	-0.008	-0.0002
Base	6579		CIM6 Max	0.1937	0.4732	1.6577	0.0143	0.1002	0.0021
Base	6579		CIM6 Min	-0.1666	-0.2614	0.3964	-0.0254	-0.0979	-0.002
Base	6579		CIM7 Max	0.0319	2.7668	1.7376	0.1436	0.0143	0.0004
Base	6579		CIM7 Min	-0.027	-2.575	0.5465	-0.1547	-0.012	-0.0003
Base	6565		PP	0.0015	0.0452	1.7345	-0.0022	0.0011	-3.639E-05
Base	6565		CA	3.667E-05	0.0793	0.2355	-0.004	3.93E-05	0
Base	6565		CV	5.395E-06	0.0523	0.1231	-0.0027	0	0
Base	6565		SX Max	0.2767	0.5403	0.6516	0.0296	0.1249	0.0017
Base	6565		SY Max	0.0357	3.0917	0.073	0.1603	0.0167	0.0002
Base	6565		CIM1	0.0015	0.1767	2.0931	-0.0069	0.0012	-3.654E-05
Base	6565		CIM2 Max	0.2466	0.6	2.7194	0.0196	0.1111	0.0015
Base	6565		CIM2 Min	-0.2436	-0.351	1.2206	-0.0323	-0.1056	-0.0016
Base	6565		CIM3 Max	0.0329	2.6452	2.0342	0.1524	0.0159	0.0002
Base	6565		CIM3 Min	-0.0299	-2.5963	1.9057	-0.1649	-0.0136	-0.0003
Base	6565		CIM4 Max	0.1655	0.5203	2.6243	0.0113	0.0836	0.0011
Base	6565		CIM4 Min	-0.1624	-0.193	1.5003	-0.0276	-0.0813	-0.0012
Base	6565		CIM5 Max	0.0251	2.2042	2.1105	0.1107	0.0122	0.0001
Base	6565		CIM5 Min	-0.022	-1.6769	2.0141	-0.1272	-0.0099	-0.0002
Base	6565		CIM6 Max	0.2462	0.5502	1.9314	0.0223	0.1106	0.0015
Base	6565		CIM6 Min	-0.2444	-0.4006	0.4326	-0.0298	-0.1092	-0.0015
Base	6565		CIM7 Max	0.0323	2.7954	1.2462	0.1549	0.0154	0.0002
Base	6565		CIM7 Min	-0.0305	-2.6461	1.1177	-0.1624	-0.014	-0.0002
Base	6591		PP	0.0013	-0.0366	1.7294	0.0014	0.0006	1.956E-05
Base	6591		CA	0.0002	0.0592	0.3065	-0.0042	0.0001	4.211E-06
Base	6591		CV	0.0001	0.0406	0.1552	-0.0028	2.526E-05	2.489E-06
Base	6591		SX Max	0.1726	0.4436	0.6513	0.0242	0.1964	0.0013
Base	6591		SY Max	0.0154	2.7765	1.4502	0.1655	0.0079	0.0003
Base	6591		CIM1	0.0017	0.0634	2.1911	-0.0055	0.0008	2.627E-05
Base	6591		CIM2 Max	0.1535	0.413	2.6354	0.0186	0.1735	0.0012
Base	6591		CIM2 Min	-0.1504	-0.3677	1.4364	-0.024	-0.1721	-0.0011
Base	6591		CIM3 Max	0.0151	2.4677	3.3385	0.1429	0.0077	0.0003
Base	6591		CIM3 Min	-0.012	-2.4224	0.7333	-0.1463	-0.0063	-0.0003
Base	6591		CIM4 Max	0.1156	0.346	2.602	0.0112	0.1303	0.0009
Base	6591		CIM4 Min	-0.1123	-0.2395	1.7027	-0.0207	-0.1289	-0.0009
Base	6591		CIM5 Max	0.0116	1.667	3.1293	0.1044	0.006	0.0003
Base	6591		CIM5 Min	-0.0065	-1.7605	1.1754	-0.114	-0.0045	-0.0002
Base	6591		CIM6 Max	0.1529	0.404	1.6211	0.0197	0.1732	0.0012
Base	6591		CIM6 Min	-0.151	-0.3768	0.622	-0.0229	-0.1724	-0.0012
Base	6591		CIM7 Max	0.0144	2.4566	2.5241	0.144	0.0074	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6591		CIM7 Min	-0.0126	-2.4315	-0.0611	-0.1472	-0.0065	-0.0003
Base	6597		PP	-0.0001	-0.1021	1.7061	0.0052	0.0001	-9.579E-06
Base	6597		CA	1.693E-05	0.0215	0.3276	0.0006	3.426E-05	-1.493E-06
Base	6597		CV	3.088E-06	0.0201	0.162	-0.0002	-1.529E-06	-7.907E-07
Base	6597		SX Max	0.4315	0.3761	0.4333	0.0224	0.4126	0.0005
Base	6597		SY Max	0.016	2.5362	2.7256	0.1526	0.0141	0.0002
Base	6597		CIM1	-0.0001	-0.0604	2.1959	0.0055	0.0001	-1.166E-05
Base	6597		CIM2 Max	0.3796	0.2504	2.4152	0.0254	0.3634	0.0004
Base	6597		CIM2 Min	-0.3796	-0.4115	1.6526	-0.0139	-0.3631	-0.0005
Base	6597		CIM3 Max	0.014	2.1531	4.4325	0.14	0.0125	0.0001
Base	6597		CIM3 Min	-0.0142	-2.3141	-0.3646	-0.1265	-0.0123	-0.0002
Base	6597		CIM4 Max	0.2647	0.1626	2.4414	0.0203	0.2726	0.0003
Base	6597		CIM4 Min	-0.2649	-0.3136	1.6695	-0.0092	-0.2723	-0.0004
Base	6597		CIM5 Max	0.0105	1.6096	3.9543	0.1063	0.0094	0.0001
Base	6597		CIM5 Min	-0.0107	-1.7406	0.3565	-0.0951	-0.0092	-0.0001
Base	6597		CIM6 Max	0.3796	0.2626	1.6017	0.0231	0.3633	0.0004
Base	6597		CIM6 Min	-0.3796	-0.3793	0.6391	-0.0162	-0.3632	-0.0005
Base	6597		CIM7 Max	0.014	2.1853	3.6169	0.1377	0.0125	0.0001
Base	6597		CIM7 Min	-0.0141	-2.2619	-1.1762	-0.1305	-0.0123	-0.0002
Base	6603		PP	-4.501E-05	-0.1771	1.7026	0.0056	1.138E-06	0
Base	6603		CA	2.611E-05	0.006	0.337	-0.0027	1.939E-05	0
Base	6603		CV	3.453E-06	0.0116	0.1575	-0.0019	-9.505E-06	0
Base	6603		SX Max	0.772	0.3169	0.7164	0.0214	0.6592	0.0031
Base	6603		SY Max	0.0272	2.1466	5.2923	0.1499	0.0232	0.0001
Base	6603		CIM1	-1.545E-05	-0.1575	2.1974	0.0042	1.102E-05	0
Base	6603		CIM2 Max	0.6793	0.1097	2.672	0.025	0.5602	0.0026
Base	6603		CIM2 Min	-0.6794	-0.446	1.4077	-0.0127	-0.5601	-0.0026
Base	6603		CIM3 Max	0.0239	1.7201	6.6971	0.1361	0.0204	0.0001
Base	6603		CIM3 Min	-0.024	-2.0583	-2.6174	-0.1256	-0.0204	-0.0001
Base	6603		CIM4 Max	0.5095	0.0466	2.6321	0.0166	0.4351	0.0021
Base	6603		CIM4 Min	-0.5095	-0.3695	1.6539	-0.0094	-0.4351	-0.0021
Base	6603		CIM5 Max	0.0179	1.2565	5.6509	0.1036	0.0153	0.0001
Base	6603		CIM5 Min	-0.018	-1.5773	-1.3349	-0.0942	-0.0153	-0.0001
Base	6603		CIM6 Max	0.6793	0.1774	1.6561	0.0225	0.5601	0.0026
Base	6603		CIM6 Min	-0.6794	-0.3603	0.5917	-0.0152	-0.5601	-0.0026
Base	6603		CIM7 Max	0.0239	1.7677	5.5611	0.1356	0.0204	0.0001
Base	6603		CIM7 Min	-0.0239	-1.9907	-3.4333	-0.1262	-0.0204	-0.0001
Base	6617		PP	-0.0125	-0.0372	1.0524	0.0026	-0.0069	-1.305E-05
Base	6617		CA	-0.0247	-0.032	0.1676	0.0053	-0.0163	3.275E-05
Base	6617		CV	-0.0131	-0.0173	0.0973	0.0027	-0.0086	1.715E-05
Base	6617		SX Max	0.0667	0.2614	1.5552	0.0167	0.0526	0.0002
Base	6617		SY Max	0.1148	0.3198	1.3161	0.0452	0.0654	0.0002
Base	6617		CIM1	-0.0503	-0.0566	1.3375	0.0107	-0.0317	3.652E-05
Base	6617		CIM2 Max	0.0232	0.1606	2.6067	0.0226	0.0232	0.0002
Base	6617		CIM2 Min	-0.0977	-0.2992	-0.1264	-0.0067	-0.0694	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-8617		CIM3 Max	0.0636	0.2122	2.3963	0.0477	0.0344	0.0002
Base	-8617		CIM3 Min	-0.1363	-0.3507	0.062	-0.0319	-0.0507	-0.0001
Base	-8617		CIM4 Max	-0.0017	0.0903	2.3395	0.021	0.0052	0.0002
Base	-8617		CIM4 Min	-0.0924	-0.2547	0.2667	-0.001	-0.0643	-0.0001
Base	-8617		CIM5 Max	0.0267	0.1266	2.1617	0.0396	0.0136	0.0002
Base	-8617		CIM5 Min	-0.1226	-0.2933	0.4445	-0.0199	-0.0727	-0.0001
Base	-8617		CIM6 Max	0.0351	0.1665	2.1126	0.0194	0.0324	0.0002
Base	-8617		CIM6 Min	-0.0826	-0.2716	-0.6245	-0.0099	-0.0602	-0.0002
Base	-8617		CIM7 Max	0.0767	0.2399	1.9022	0.0446	0.0437	0.0002
Base	-8617		CIM7 Min	-0.1234	-0.323	-0.4141	-0.0351	-0.0714	-0.0002
Base	-8627		PP	0.0052	-0.0374	1.4684	0.0013	0.0029	0.0001
Base	-8627		CA	0.0013	0.016	0.1256	-0.0016	0.0004	5.449E-06
Base	-8627		CV	0.0006	0.0159	0.061	-0.0014	0.0001	2.399E-06
Base	-8627		SX Max	0.1141	0.26	2.2483	0.0177	0.0548	0.0011
Base	-8627		SY Max	0.0539	2.0249	0.2556	0.1313	0.0323	0.0006
Base	-8627		CIM1	0.0071	-0.0036	1.655	-0.0016	0.0034	0.0001
Base	-8627		CIM2 Max	0.1069	0.227	3.5725	0.0151	0.0514	0.001
Base	-8627		CIM2 Min	-0.0939	-0.2656	-0.3645	-0.016	-0.045	-0.0009
Base	-8627		CIM3 Max	0.0603	1.7625	1.6169	0.1151	0.0316	0.0006
Base	-8627		CIM3 Min	-0.0674	-1.6014	1.3691	-0.116	-0.0252	-0.0004
Base	-8627		CIM4 Max	0.0622	0.1773	3.1236	0.0102	0.0395	0.0006
Base	-8627		CIM4 Min	-0.0664	-0.1923	0.1559	-0.0132	-0.0326	-0.0006
Base	-8627		CIM5 Max	0.0623	1.3269	1.5064	0.0652	0.0246	0.0005
Base	-8627		CIM5 Min	-0.0464	-1.344	1.471	-0.0862	-0.018	-0.0003
Base	-8627		CIM6 Max	0.1043	0.2347	2.9349	0.0153	0.0501	0.001
Base	-8627		CIM6 Min	-0.0965	-0.2561	-1.0221	-0.0159	-0.0463	-0.0009
Base	-8627		CIM7 Max	0.0777	1.7703	1.1613	0.1153	0.0304	0.0006
Base	-8627		CIM7 Min	-0.0699	-1.7936	0.7315	-0.1159	-0.0265	-0.0005
Base	-8637		PP	0.0043	-0.1147	1.448	0.0062	0.0025	-0.0001
Base	-8637		CA	-0.0006	-0.0056	0.0654	0.0004	-0.0004	4.843E-06
Base	-8637		CV	-0.0004	0.0015	0.0333	-0.0002	-0.0003	3.362E-06
Base	-8637		SX Max	0.1253	0.2644	2.4379	0.0173	0.0549	0.0006
Base	-8637		SY Max	0.1029	1.9599	1.9613	0.1344	0.0353	0.0005
Base	-8637		CIM1	0.0033	-0.1221	1.5666	0.0063	0.0016	-0.0001
Base	-8637		CIM2 Max	0.114	0.1267	3.6766	0.0218	0.0504	0.0007
Base	-8637		CIM2 Min	-0.1066	-0.3736	-0.6119	-0.0067	-0.0462	-0.0006
Base	-8637		CIM3 Max	0.0942	1.6275	3.2594	0.1249	0.0332	0.0004
Base	-8637		CIM3 Min	-0.0869	-1.6747	-0.1925	-0.1117	-0.029	-0.0005
Base	-8637		CIM4 Max	0.0661	0.0653	3.1675	0.0176	0.0361	0.0005
Base	-8637		CIM4 Min	-0.0793	-0.3101	-0.0506	-0.005	-0.0343	-0.0006
Base	-8637		CIM5 Max	0.0713	1.1909	2.6529	0.0951	0.0252	0.0003
Base	-8637		CIM5 Min	-0.0645	-1.4357	0.264	-0.0823	-0.0214	-0.0004
Base	-8637		CIM6 Max	0.1125	0.1761	3.0655	0.0192	0.0496	0.0007
Base	-8637		CIM6 Min	-0.1061	-0.3244	-1.2253	-0.0113	-0.0471	-0.0006
Base	-8637		CIM7 Max	0.0926	1.6769	2.646	0.1222	0.0323	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6637		CIM7 Min	-0.0663	-1.6252	-0.6059	-0.1144	-0.0296	-0.0005
Base	6647		PP	-0.0023	-0.1216	1.4323	0.0064	-0.0032	3.98E-05
Base	6647		CA	-0.0072	-0.0152	0.0317	0.0006	-0.0091	0.0001
Base	6647		CV	-0.0035	-0.0052	0.0046	0.0001	-0.0046	4.35TE-05
Base	6647		SX Max	0.3241	0.3133	0.9942	0.0157	0.2608	0.0015
Base	6647		SY Max	0.1332	1.1023	3.7922	0.0916	0.1132	0.0007
Base	6647		CIM1	-0.0133	-0.1421	1.4666	0.0071	-0.0171	0.0002
Base	6647		CIM2 Max	0.2757	0.1389	2.3389	0.0206	0.2172	0.0014
Base	6647		CIM2 Min	-0.2947	-0.4126	0.5691	-0.0066	-0.2417	-0.0012
Base	6647		CIM3 Max	0.1077	0.6331	4.6012	0.0676	0.0873	0.0007
Base	6647		CIM3 Min	-0.1267	-1.1066	-1.6732	-0.0736	-0.1116	-0.0005
Base	6647		CIM4 Max	0.2015	0.066	2.1236	0.0174	0.1563	0.0011
Base	6647		CIM4 Min	-0.2263	-0.3476	0.6113	-0.0033	-0.168	-0.0006
Base	6647		CIM5 Max	0.0755	0.5667	3.9703	0.0675	0.0566	0.0006
Base	6647		CIM5 Min	-0.1003	-0.6683	-1.0354	-0.0534	-0.0905	-0.0003
Base	6647		CIM6 Max	0.2795	0.1936	1.7533	0.016	0.2221	0.0014
Base	6647		CIM6 Min	-0.2909	-0.3576	0.0035	-0.0096	-0.2366	-0.0012
Base	6647		CIM7 Max	0.1115	0.8679	4.2156	0.0646	0.0922	0.0007
Base	6647		CIM7 Min	-0.1229	-1.0521	-2.4566	-0.0764	-0.1069	-0.0005
Base	6657		PP	-0.0046	-0.0505	1.4503	0.0022	-0.0033	-0.0001
Base	6657		CA	2.306E-05	-0.0165	0.0631	0.0007	-0.0037	-1.966E-05
Base	6657		CV	-0.0001	-0.0059	0.0316	0.0001	-0.002	-1.102E-05
Base	6657		SX Max	0.1404	0.4064	1.4672	0.0202	0.1268	0.0007
Base	6657		SY Max	0.0686	1.2133	1.1607	0.0917	0.0464	0.0003
Base	6657		CIM1	-0.0049	-0.0726	1.545	0.003	-0.0091	-0.0001
Base	6657		CIM2 Max	0.1167	0.2924	2.6046	0.0206	0.1046	0.0006
Base	6657		CIM2 Min	-0.1263	-0.4263	0.2224	-0.0146	-0.1167	-0.0007
Base	6657		CIM3 Max	0.0556	1.0007	2.5524	0.0636	0.0336	0.0002
Base	6657		CIM3 Min	-0.0652	-1.1346	0.4745	-0.0776	-0.0479	-0.0003
Base	6657		CIM4 Max	0.0876	0.1962	2.5055	0.0163	0.0752	0.0004
Base	6657		CIM4 Min	-0.0975	-0.3409	0.5666	-0.0103	-0.0923	-0.0006
Base	6657		CIM5 Max	0.0404	0.7294	2.3164	0.0635	0.0221	0.0001
Base	6657		CIM5 Min	-0.0501	-0.6721	0.7579	-0.0575	-0.0392	-0.0003
Base	6657		CIM6 Max	0.1206	0.3192	2.1992	0.0195	0.1074	0.0006
Base	6657		CIM6 Min	-0.1264	-0.3995	-0.353	-0.016	-0.1156	-0.0007
Base	6657		CIM7 Max	0.0575	1.0275	1.947	0.0624	0.0366	0.0002
Base	6657		CIM7 Min	-0.0633	-1.1076	-0.1309	-0.0769	-0.0451	-0.0003
Base	6667		PP	0.0695	-0.004	1.4612	0.002	0.0041	4.361E-05
Base	6667		CA	-0.102	0.0008	0.0047	-0.0003	-0.0046	-5.041E-06
Base	6667		CV	-0.0529	0.0005	-0.0066	-0.0003	-0.0026	-3.417E-06
Base	6667		SX Max	1.2293	0.0579	1.1505	0.0271	0.0662	0.0006
Base	6667		SY Max	0.6577	0.1356	2.4649	0.1511	0.022	0.0006
Base	6667		CIM1	-0.0654	-0.0027	1.4573	0.0014	-0.0033	3.515E-05
Base	6667		CIM2 Max	1.0493	0.0477	2.4763	0.0255	0.0769	0.0005
Base	6667		CIM2 Min	-1.1143	-0.0541	0.4535	-0.0222	-0.0763	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6667		CIM3 Max	0.5463	0.1161	3.635	0.1346	0.0167	0.0005
Base	6667		CIM3 Min	-0.6113	-0.1225	-0.7032	-0.1313	-0.02	-0.0005
Base	6667		CIM4 Max	0.7392	0.0354	2.2186	0.0194	0.0556	0.0004
Base	6667		CIM4 Min	-0.8835	-0.041	0.7001	-0.0164	-0.0606	-0.0003
Base	6667		CIM5 Max	0.3619	0.0666	3.0563	0.1012	0.0119	0.0004
Base	6667		CIM5 Min	-0.5063	-0.0923	-0.1674	-0.0962	-0.0171	-0.0003
Base	6667		CIM6 Max	1.0623	0.049	1.892	0.0249	0.0772	0.0005
Base	6667		CIM6 Min	-1.1013	-0.0529	-0.1329	-0.0226	-0.076	-0.0005
Base	6667		CIM7 Max	0.5593	0.1174	3.0466	0.1339	0.0169	0.0005
Base	6667		CIM7 Min	-0.5963	-0.1212	-1.2695	-0.1319	-0.0196	-0.0005
Base	6673		PP	-0.0316	0.0001	1.4379	0.0005	-0.002	-1.794E-05
Base	6673		CA	-0.1187	0.0005	-0.0333	-0.0002	-0.0075	-1.369E-06
Base	6673		CV	-0.0621	0.0003	-0.0209	-0.0002	-0.004	0
Base	6673		SX Max	1.256	0.0642	0.6906	0.0359	0.0917	0.0004
Base	6673		SY Max	0.5239	0.3335	1.3346	0.3174	0.0227	0.0004
Base	6673		CIM1	-0.2124	0.0009	1.3637	4.572E-05	-0.0134	-1.955E-05
Base	6673		CIM2 Max	0.9567	0.0747	2.1663	0.0316	0.0713	0.0003
Base	6673		CIM2 Min	-1.2573	-0.0735	0.6209	-0.0313	-0.0901	-0.0004
Base	6673		CIM3 Max	0.3106	0.2941	2.579	0.2796	0.0105	0.0003
Base	6673		CIM3 Min	-0.6113	-0.2929	0.2301	-0.2791	-0.0294	-0.0004
Base	6673		CIM4 Max	0.6334	0.0564	1.9767	0.0236	0.0451	0.0002
Base	6673		CIM4 Min	-1.0271	-0.0546	0.6011	-0.0236	-0.073	-0.0003
Base	6673		CIM5 Max	0.149	0.2209	2.2697	0.2096	0.0026	0.0002
Base	6673		CIM5 Min	-0.5427	-0.2193	0.506	-0.2094	-0.0274	-0.0003
Base	6673		CIM6 Max	1.0166	0.0745	1.6265	0.0317	0.075	0.0003
Base	6673		CIM6 Min	-1.1972	-0.0736	0.059	-0.0314	-0.0864	-0.0004
Base	6673		CIM7 Max	0.3709	0.2938	2.0172	0.2795	0.0143	0.0003
Base	6673		CIM7 Min	-0.5512	-0.2931	-0.3317	-0.2792	-0.0256	-0.0003
Base	6679		PP	-0.122	0.0001	1.4485	0.0001	-0.0064	-3.715E-06
Base	6679		CA	-0.0617	1.023E-05	-0.0492	0.0001	-0.0037	-2.422E-06
Base	6679		CV	-0.0429	4.207E-05	-0.0232	-2.235E-05	-0.002	-5.855E-07
Base	6679		SX Max	1.051	0.055	3.2124	0.0294	0.0841	0.0004
Base	6679		SY Max	0.4039	0.6221	0.5545	0.5165	0.0176	0.0022
Base	6679		CIM1	-0.2466	0.0002	1.3761	0.0001	-0.0121	-7.026E-06
Base	6679		CIM2 Max	0.7476	0.0465	4.2262	0.0261	0.0639	0.0003
Base	6679		CIM2 Min	-1.155	-0.0462	-1.4277	-0.0257	-0.0841	-0.0003
Base	6679		CIM3 Max	0.1517	0.5476	2.1512	0.4547	0.0055	0.0019
Base	6679		CIM3 Min	-0.5591	-0.5473	0.6473	-0.4544	-0.0257	-0.0019
Base	6679		CIM4 Max	0.4776	0.0364	3.502	0.0196	0.0439	0.0003
Base	6679		CIM4 Min	-0.9494	-0.0361	-0.7363	-0.0193	-0.0671	-0.0003
Base	6679		CIM5 Max	0.0307	0.4107	1.9456	0.341	0.0001	0.0014
Base	6679		CIM5 Min	-0.5025	-0.4104	0.6179	-0.3407	-0.0233	-0.0014
Base	6679		CIM6 Max	0.6291	0.0465	3.6665	0.026	0.0679	0.0003
Base	6679		CIM6 Min	-1.0735	-0.0463	-1.9674	-0.0258	-0.0801	-0.0003
Base	6679		CIM7 Max	0.2332	0.5475	1.5915	0.4546	0.0096	0.0019

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6679		CIM7 Min	-0.4776	-0.5474	0.0876	-0.4544	-0.0217	-0.0019
Base	6689		PP	0.154	0.0005	1.6235	-0.0002	0.0053	-4.56E-06
Base	6689		CA	0.0245	0.0001	0.151	0.0003	0.0024	-2.36E-06
Base	6689		CV	0.0057	0.0001	0.0795	0.0001	0.001	-1.71E-06
Base	6689		SX Max	2.3351	0.0722	1.4159	0.0419	0.1422	0.0007
Base	6689		SY Max	0.1635	0.1666	0.6926	0.1259	0.0072	0.0009
Base	6689		CIM1	0.1673	0.0007	1.6541	0.0002	0.0116	-6.65E-06
Base	6689		CIM2 Max	2.2334	0.0642	3.0205	0.037	0.1356	0.0006
Base	6689		CIM2 Min	-1.5764	-0.063	0.5256	-0.0368	-0.1145	-0.0006
Base	6689		CIM3 Max	0.3224	0.1472	2.3642	0.1109	0.017	0.0008
Base	6689		CIM3 Min	0.0346	-0.146	1.1649	-0.1107	0.0043	-0.0008
Base	6689		CIM4 Max	1.7262	0.0464	2.7667	0.0278	0.1052	0.0005
Base	6689		CIM4 Min	-1.3561	-0.047	0.6997	-0.0275	-0.0525	-0.0005
Base	6689		CIM5 Max	0.293	0.1107	2.2914	0.0833	0.0162	0.0006
Base	6689		CIM5 Min	0.0771	-0.1093	1.377	-0.0829	0.0066	-0.0006
Base	6689		CIM6 Max	2.162	0.0639	2.3107	0.0369	0.1315	0.0006
Base	6689		CIM6 Min	-1.9476	-0.0632	-0.1512	-0.0368	-0.1166	-0.0006
Base	6689		CIM7 Max	0.251	0.147	1.6744	0.1109	0.0127	0.0008
Base	6689		CIM7 Min	-0.0366	-0.1463	0.4551	-0.1105	2.02E-05	-0.0008
Base	6695		PP	0.0409	-0.0005	1.6473	0.0003	0.0011	0
Base	6695		CA	-0.0049	-0.0015	0.1524	0.0013	-0.0014	-5.44E-06
Base	6695		CV	-0.0069	-0.0007	0.0814	0.0006	-0.001	-2.56E-06
Base	6695		SX Max	2.4714	0.1271	0.4151	0.0796	0.1435	0.0004
Base	6695		SY Max	0.1501	0.3245	0.5051	0.202	0.0076	0.0006
Base	6695		CIM1	0.0291	-0.0027	1.6611	0.0022	-0.0013	-7.64E-06
Base	6695		CIM2 Max	2.2106	0.1099	2.165	0.0716	0.126	0.0004
Base	6695		CIM2 Min	-2.1366	-0.1136	1.4344	-0.0665	-0.1266	-0.0004
Base	6695		CIM3 Max	0.1661	0.2636	2.2442	0.1793	0.0066	0.0007
Base	6695		CIM3 Min	-0.0961	-0.2675	1.3552	-0.1762	-0.0072	-0.0007
Base	6695		CIM4 Max	1.6619	0.0814	2.1346	0.0546	0.0937	0.0003
Base	6695		CIM4 Min	-1.6003	-0.0564	1.5666	-0.0505	-0.0956	-0.0003
Base	6695		CIM5 Max	0.1289	0.2117	2.1942	0.1353	0.0041	0.0005
Base	6695		CIM5 Min	-0.0662	-0.2167	1.5274	-0.1313	-0.0062	-0.0005
Base	6695		CIM6 Max	2.1964	0.1107	1.4451	0.071	0.1261	0.0004
Base	6695		CIM6 Min	-2.1532	-0.113	0.7145	-0.0691	-0.1265	-0.0004
Base	6695		CIM7 Max	0.1537	0.2644	1.5243	0.1787	0.0067	0.0007
Base	6695		CIM7 Min	-0.1105	-0.2667	0.6353	-0.1766	-0.0071	-0.0007
Base	6701		PP	-0.0454	-0.0007	1.646	0.0004	-0.0013	-3.25E-06
Base	6701		CA	-0.0132	-0.0027	0.147	0.0016	0.0006	-7.21E-06
Base	6701		CV	-0.0111	-0.0014	0.0796	0.0009	0.0001	-3.91E-06
Base	6701		SX Max	2.464	0.1622	0.2579	0.0974	0.1428	0.0004
Base	6701		SY Max	0.1148	0.3215	0.4579	0.1995	0.0061	0.0006
Base	6701		CIM1	-0.0697	-0.0047	1.6726	0.0031	-0.0007	-1.43E-05
Base	6701		CIM2 Max	2.1273	0.1394	2.02	0.088	0.1249	0.0003
Base	6701		CIM2 Min	-2.2446	-0.1461	1.5662	-0.0835	-0.1264	-0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6701		CIM3 Max	0.0424	0.2795	2.196	0.1776	0.0046	0.0007
Base	6701		CIM3 Min	-0.1597	-0.2662	1.3902	-0.1734	-0.0061	-0.0006
Base	6701		CIM4 Max	1.5725	0.1027	2.0231	0.0672	0.0935	0.0003
Base	6701		CIM4 Min	-1.7064	-0.1115	1.6527	-0.0814	-0.0949	-0.0003
Base	6701		CIM5 Max	0.0089	0.2078	2.1551	0.1346	0.0033	0.0005
Base	6701		CIM5 Min	-0.1427	-0.2165	1.5507	-0.1266	-0.0047	-0.0006
Base	6701		CIM6 Max	2.1506	0.1407	1.3026	0.0871	0.1252	0.0004
Base	6701		CIM6 Min	-2.2211	-0.1446	0.8469	-0.0844	-0.1261	-0.0004
Base	6701		CIM7 Max	0.0659	0.2609	1.4766	0.1769	0.0049	0.0007
Base	6701		CIM7 Min	-0.1362	-0.2649	0.6729	-0.1743	-0.0056	-0.0007
Base	6707		PP	-0.1566	-0.0002	1.6192	4.326E-05	-0.0065	5.041E-06
Base	6707		CA	-0.0423	-0.0029	0.1336	0.0015	-0.0034	1.373E-06
Base	6707		CV	-0.0261	-0.0015	0.0747	0.0007	-0.002	1.05E-06
Base	6707		SX Max	2.3747	0.1526	1.2244	0.0756	0.146	0.0003
Base	6707		SY Max	0.0641	0.1533	0.5562	0.1166	0.0063	0.001
Base	6707		CIM1	-0.2271	-0.0046	1.6275	0.0023	-0.014	7.464E-06
Base	6707		CIM2 Max	1.5686	0.1311	2.6302	0.0661	0.1165	0.0003
Base	6707		CIM2 Min	-2.2907	-0.1374	0.6752	-0.065	-0.1404	-0.0003
Base	6707		CIM3 Max	-0.1269	0.1316	2.2422	0.1061	-0.0064	0.0009
Base	6707		CIM3 Min	-0.275	-0.1381	1.2633	-0.103	-0.0175	-0.0009
Base	6707		CIM4 Max	1.3466	0.0964	2.6169	0.052	0.0829	0.0002
Base	6707		CIM4 Min	-1.7679	-0.105	1.0007	-0.0478	-0.1096	-0.0002
Base	6707		CIM5 Max	-0.165	0.0969	2.1759	0.0605	-0.0093	0.0007
Base	6707		CIM5 Min	-0.2761	-0.1055	1.4417	-0.0763	-0.0176	-0.0007
Base	6707		CIM6 Max	1.9682	0.1324	2.1291	0.0675	0.1213	0.0003
Base	6707		CIM6 Min	-2.2103	-0.1361	-0.0256	-0.0656	-0.1356	-0.0003
Base	6707		CIM7 Max	-0.0465	0.133	1.5411	0.1055	-0.0016	0.0009
Base	6707		CIM7 Min	-0.1946	-0.1366	0.5622	-0.1036	-0.0127	-0.0009
Base	6713		PP	-0.0011	0.0001	1.0264	-0.0001	-0.0002	0
Base	6713		CA	-0.0037	0.0001	0.0656	-0.0001	-0.0006	0
Base	6713		CV	-0.0017	0.0001	0.0346	-0.0001	-0.0005	0
Base	6713		SX Max	0.2597	0.0109	0.0157	0.0072	0.0271	1.77E-06
Base	6713		SY Max	0.0122	0.55	0.016	0.4134	0.0005	1.607E-05
Base	6713		CIM1	-0.0064	0.0003	1.1266	-0.0002	-0.0015	0
Base	6713		CIM2 Max	0.2236	0.0096	1.1079	0.0061	0.0226	1.629E-06
Base	6713		CIM2 Min	-0.2333	-0.0094	1.0803	-0.0065	-0.0249	-1.466E-06
Base	6713		CIM3 Max	0.0059	0.4642	1.11	0.3636	-0.0004	1.597E-05
Base	6713		CIM3 Min	-0.0155	-0.4636	1.0783	-0.364	-0.0017	-1.563E-05
Base	6713		CIM4 Max	0.1654	0.0075	1.1305	0.0045	0.0165	1.251E-06
Base	6713		CIM4 Min	-0.1774	-0.007	1.1096	-0.005	-0.0193	-1.066E-06
Base	6713		CIM5 Max	0.002	0.3633	1.132	0.2726	-0.0009	1.201E-05
Base	6713		CIM5 Min	-0.014	-0.3626	1.1062	-0.2731	-0.0019	-1.184E-05
Base	6713		CIM6 Max	0.2257	0.0097	0.6703	0.0062	0.0232	1.601E-06
Base	6713		CIM6 Min	-0.2314	-0.0095	0.6427	-0.0064	-0.0245	-1.515E-06
Base	6713		CIM7 Max	0.0076	0.4641	0.6723	0.3637	0.0001	1.594E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6713		CIM7 Min	-0.0136	-0.4639	0.6406	-0.3639	-0.0013	-1.566E-05
Base	6727		PP	-0.0056	-0.0033	1.0303	0.0012	-0.0002	1.623E-05
Base	6727		CA	-0.0067	-0.001	0.0662	0.0006	-0.0001	1.501E-06
Base	6727		CV	-0.004	-0.0005	0.0443	0.0003	-0.0001	5.461E-07
Base	6727		SX Max	0.3099	0.0579	0.6644	0.0555	0.0406	0.0003
Base	6727		SY Max	0.1679	0.076	0.7892	0.0573	0.0095	0.0002
Base	6727		CIM1	-0.0163	-0.0046	1.1606	0.0021	-0.0004	1.656E-05
Base	6727		CIM2 Max	0.2564	0.0731	1.6772	0.0507	0.0354	0.0003
Base	6727		CIM2 Min	-0.2669	-0.0617	0.3556	-0.047	-0.036	-0.0002
Base	6727		CIM3 Max	0.1335	0.0625	1.611	0.0523	0.008	0.0002
Base	6727		CIM3 Min	-0.162	-0.0712	0.422	-0.0466	-0.0086	-0.0002
Base	6727		CIM4 Max	0.1672	0.0533	1.7202	0.0387	0.0264	0.0002
Base	6727		CIM4 Min	-0.2216	-0.0627	0.5792	-0.0346	-0.0272	-0.0002
Base	6727		CIM5 Max	0.0936	0.0455	1.6706	0.0399	0.0059	0.0002
Base	6727		CIM5 Min	-0.1261	-0.0546	0.6266	-0.0358	-0.0066	-0.0001
Base	6727		CIM6 Max	0.2641	0.0746	1.4306	0.05	0.0355	0.0003
Base	6727		CIM6 Min	-0.2812	-0.08	-0.0908	-0.0477	-0.0359	-0.0002
Base	6727		CIM7 Max	0.1392	0.0643	1.3644	0.0515	0.0062	0.0002
Base	6727		CIM7 Min	-0.1563	-0.0694	-0.0246	-0.0493	-0.0065	-0.0002
Base	6741		PP	0.0032	-0.0016	1.0293	0.0002	0.0011	-1.641E-05
Base	6741		CA	0.0006	-0.0146	0.0765	0.001	0.0003	-2.06E-06
Base	6741		CV	0.0003	-0.008	0.0427	0.0005	0.0001	-1.133E-06
Base	6741		SX Max	0.1006	0.1933	0.6766	0.0139	0.0759	0.0003
Base	6741		SY Max	0.0615	0.2556	1.1067	0.0412	0.042	0.0002
Base	6741		CIM1	0.004	-0.0244	1.1465	0.0017	0.0016	-1.96E-05
Base	6741		CIM2 Max	0.0922	0.1536	1.6772	0.0134	0.0662	0.0003
Base	6741		CIM2 Min	-0.0646	-0.1665	0.3344	-0.011	-0.0653	-0.0003
Base	6741		CIM3 Max	0.0579	0.2067	2.0796	0.0375	0.0364	0.0002
Base	6741		CIM3 Min	-0.0504	-0.2416	0.1319	-0.0351	-0.0355	-0.0002
Base	6741		CIM4 Max	0.0703	0.1051	1.7163	0.0107	0.0516	0.0002
Base	6741		CIM4 Min	-0.0624	-0.15	0.5592	-0.0076	-0.0486	-0.0002
Base	6741		CIM5 Max	0.0445	0.1464	1.6662	0.0256	0.0292	0.0001
Base	6741		CIM5 Min	-0.0367	-0.1913	0.4074	-0.0256	-0.0262	-0.0002
Base	6741		CIM6 Max	0.0907	0.1602	1.4346	0.0129	0.0676	0.0003
Base	6741		CIM6 Min	-0.0863	-0.1799	-0.1079	-0.0115	-0.0659	-0.0003
Base	6741		CIM7 Max	0.0564	0.2153	1.6373	0.037	0.0376	0.0002
Base	6741		CIM7 Min	-0.0519	-0.235	-0.3104	-0.0356	-0.0361	-0.0002
Base	6751		PP	0.0046	0.1403	1.4402	-0.0079	0.0022	-3.631E-05
Base	6751		CA	0.0002	0.0347	0.1462	-0.0024	-2.133E-05	-5.775E-06
Base	6751		CV	1.753E-05	0.0217	0.0882	-0.0016	-0.0001	-2.671E-06
Base	6751		SX Max	0.1207	0.5401	1.9004	0.0296	0.1093	0.0011
Base	6751		SY Max	0.0627	1.4216	3.7595	0.1111	0.0792	0.0007
Base	6751		CIM1	0.005	0.1967	1.6766	-0.0119	0.0022	-4.476E-05
Base	6751		CIM2 Max	0.1111	0.6503	3.2607	0.0156	0.0954	0.0009
Base	6751		CIM2 Min	-0.1012	-0.3003	-0.0639	-0.0364	-0.094	-0.001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6751		CIM3 Max	0.0777	1.426	4.6966	0.0675	0.0719	0.0006
Base	6751		CIM3 Min	-0.0676	-1.076	-1.72	-0.1061	-0.0675	-0.0007
Base	6751		CIM4 Max	0.0646	0.5476	2.9066	0.0061	0.0743	0.0007
Base	6751		CIM4 Min	-0.0747	-0.1652	0.4003	-0.031	-0.07	-0.0008
Base	6751		CIM5 Max	0.0595	1.1295	4.1356	0.0619	0.0545	0.0004
Base	6751		CIM5 Min	-0.0496	-0.7469	-0.8268	-0.0846	-0.0501	-0.0005
Base	6751		CIM6 Max	0.1092	0.5603	2.6253	0.0199	0.0975	0.0009
Base	6751		CIM6 Min	-0.1032	-0.3703	-0.7193	-0.0323	-0.0949	-0.001
Base	6751		CIM7 Max	0.0757	1.356	4.2614	0.0916	0.071	0.0006
Base	6751		CIM7 Min	-0.0696	-1.146	-2.3554	-0.104	-0.0664	-0.0006
Base	6761		PP	-0.0044	0.1316	1.4291	-0.0073	-0.002	3.753E-05
Base	6761		CA	0.0019	0.0101	0.1076	-0.0007	0.0011	1.048E-05
Base	6761		CV	0.0009	0.0067	0.0722	-0.0007	0.0005	5.769E-06
Base	6761		SX Max	0.1644	0.3796	1.7736	0.0223	0.1522	0.0013
Base	6761		SY Max	0.074	0.9764	3.4234	0.0647	0.0626	0.0005
Base	6761		CIM1	-0.0017	0.1506	1.6089	-0.0067	-0.0005	0.0001
Base	6761		CIM2 Max	0.1421	0.476	3.0976	0.0116	0.133	0.0012
Base	6761		CIM2 Min	-0.1472	-0.1922	-0.0243	-0.0276	-0.1349	-0.0011
Base	6761		CIM3 Max	0.0626	1.0029	4.5492	0.0666	0.0543	0.0005
Base	6761		CIM3 Min	-0.0677	-0.7191	-1.4759	-0.0826	-0.0562	-0.0004
Base	6761		CIM4 Max	0.1066	0.399	2.7615	0.0062	0.0999	0.0009
Base	6761		CIM4 Min	-0.1104	-0.1022	0.4201	-0.0232	-0.1011	-0.0008
Base	6761		CIM5 Max	0.047	0.7941	3.8503	0.0474	0.0409	0.0004
Base	6761		CIM5 Min	-0.0507	-0.4973	-0.6666	-0.0644	-0.042	-0.0003
Base	6761		CIM6 Max	0.1431	0.4192	2.4529	0.0146	0.1334	0.0012
Base	6761		CIM6 Min	-0.1462	-0.2489	-0.6369	-0.0244	-0.1345	-0.0011
Base	6761		CIM7 Max	0.0636	0.9461	3.9346	0.0696	0.0547	0.0005
Base	6761		CIM7 Min	-0.0667	-0.7756	-2.0906	-0.0794	-0.0556	-0.0004
Base	6771		PP	0.0145	0.1796	1.5654	-0.0102	0.0161	0.0001
Base	6771		CA	0.0515	0.0526	0.2626	-0.0036	0.0576	0.0003
Base	6771		CV	0.0271	0.0312	0.1596	-0.0021	0.0303	0.0001
Base	6771		SX Max	0.5906	0.1154	0.3095	0.0075	0.7526	0.0026
Base	6771		SY Max	0.1347	0.972	2.7603	0.0657	0.1123	0.0004
Base	6771		CIM1	0.0931	0.2637	2.0061	-0.0156	0.104	0.0005
Base	6771		CIM2 Max	0.5497	0.334	2.1206	-0.0071	0.7362	0.0026
Base	6771		CIM2 Min	-0.7176	0.1309	1.5759	-0.0203	-0.5686	-0.002
Base	6771		CIM3 Max	0.1545	1.0676	4.2849	0.0441	0.1725	0.0007
Base	6771		CIM3 Min	-0.0525	-0.6229	-0.5954	-0.0716	-0.0251	1.016E-05
Base	6771		CIM4 Max	0.6741	0.332	2.1724	-0.0103	0.5933	0.0022
Base	6771		CIM4 Min	-0.5015	0.1797	1.7639	-0.0203	-0.4004	-0.0013
Base	6771		CIM5 Max	0.1752	0.8974	3.6031	0.0261	0.1705	0.0007
Base	6771		CIM5 Min	-0.0026	-0.3657	0.1331	-0.0567	0.0223	0.0002
Base	6771		CIM6 Max	0.6233	0.241	1.3613	-0.0016	0.7067	0.0025
Base	6771		CIM6 Min	-0.7442	0.0379	0.6366	-0.0149	-0.6163	-0.0021
Base	6771		CIM7 Max	0.1561	0.9946	3.5556	0.0496	0.1431	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6771		CIM7 Min	-0.0769	-0.7159	-1.3377	-0.0661	-0.0546	-0.0001
Base	6781		PP	0.0151	0.113	1.553	-0.0055	0.0164	-4.878E-06
Base	6781		CA	0.0536	0.0364	0.2646	-0.0015	0.0657	-1.7E-05
Base	6781		CV	0.0252	0.0247	0.1555	-0.0011	0.0345	-6.971E-06
Base	6781		SX Max	0.7672	0.1608	0.169	0.0096	0.6673	0.0004
Base	6781		SY Max	0.1276	1.2307	1.4049	0.0616	0.1074	0.0001
Base	6781		CIM1	0.0966	0.1762	1.9931	-0.0062	0.1167	-3.065E-05
Base	6781		CIM2 Max	0.7437	0.293	1.9663	0.0015	0.6669	0.0003
Base	6781		CIM2 Min	-0.6065	0.01	1.6669	-0.0157	-0.5207	-0.0004
Base	6781		CIM3 Max	0.1611	1.2345	3.0739	0.0647	0.1766	0.0001
Base	6781		CIM3 Min	-0.0439	-0.9316	0.6012	-0.0769	-0.0104	-0.0001
Base	6781		CIM4 Max	0.5961	0.2761	2.0657	-0.0015	0.5636	0.0002
Base	6781		CIM4 Min	-0.4166	0.0639	1.5427	-0.0144	-0.3436	-0.0003
Base	6781		CIM5 Max	0.1741	0.9623	2.5815	0.046	0.1609	2.611E-05
Base	6781		CIM5 Min	0.0054	-0.6423	1.0269	-0.0616	0.0392	-0.0001
Base	6781		CIM6 Max	0.7163	0.2324	1.2512	0.0044	0.6553	0.0004
Base	6781		CIM6 Min	-0.6339	-0.0506	0.9539	-0.0129	-0.5543	-0.0004
Base	6781		CIM7 Max	0.1537	1.1739	2.3369	0.0676	0.145	0.0001
Base	6781		CIM7 Min	-0.0713	-0.9921	-0.1338	-0.0761	-0.044	-0.0001
Base	6787		PP	0.0163	0.0554	1.5747	-0.0029	0.0207	-1.134E-05
Base	6787		CA	0.0646	0.0252	0.3012	-0.0015	0.0737	-3.926E-05
Base	6787		CV	0.0341	0.0165	0.1616	-0.0011	0.0366	-2.066E-05
Base	6787		SX Max	0.7175	0.2069	0.1616	0.0105	0.6229	0.0004
Base	6787		SY Max	0.1224	1.3516	0.7277	0.0606	0.0991	0.0001
Base	6787		CIM1	0.1172	0.0991	2.0377	-0.0055	0.1332	-0.0001
Base	6787		CIM2 Max	0.7144	0.2627	2.0359	0.0048	0.6426	0.0003
Base	6787		CIM2 Min	-0.5463	-0.1015	1.716	-0.0136	-0.4536	-0.0004
Base	6787		CIM3 Max	0.1906	1.2964	2.5163	0.0665	0.1816	3.266E-05
Base	6787		CIM3 Min	-0.0246	-1.1352	1.2355	-0.0753	0.0072	-0.0001
Base	6787		CIM4 Max	0.5622	0.2311	2.1172	0.0017	0.5346	0.0002
Base	6787		CIM4 Min	-0.3649	-0.0421	1.5773	-0.0121	-0.2577	-0.0003
Base	6787		CIM5 Max	0.1694	1.0063	2.4776	0.046	0.1559	-3.647E-06
Base	6787		CIM5 Min	0.0279	-0.5173	1.5169	-0.0564	0.0561	-0.0001
Base	6787		CIM6 Max	0.6812	0.2305	1.2655	0.0066	0.6048	0.0003
Base	6787		CIM6 Min	-0.5615	-0.1337	0.9656	-0.0119	-0.4915	-0.0004
Base	6787		CIM7 Max	0.1575	1.2641	1.766	0.0683	0.1439	0.0001
Base	6787		CIM7 Min	-0.0579	-1.1674	0.4651	-0.0735	-0.0306	-0.0001
Base	6793		PP	0.0213	0.008	1.563	-0.0004	0.022	-1.665E-05
Base	6793		CA	0.0755	0.0055	0.3136	-0.0002	0.0764	-0.0001
Base	6793		CV	0.0397	0.0069	0.1672	-0.0005	0.0412	-3.357E-05
Base	6793		SX Max	0.6395	0.2726	0.347	0.0139	0.5435	0.0003
Base	6793		SY Max	0.1027	1.5095	0.3162	0.0912	0.0656	0.0001
Base	6793		CIM1	0.1364	0.0223	2.064	-0.0011	0.1416	-0.0001
Base	6793		CIM2 Max	0.6595	0.2534	2.2022	0.0116	0.5767	0.0002
Base	6793		CIM2 Min	-0.466	-0.2264	1.5915	-0.0129	-0.3779	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6793		CIM3 Max	0.1671	1.3418	2.1751	0.0796	0.1757	3.736E-05
Base	6793		CIM3 Min	0.0064	-1.3149	1.6165	-0.0609	0.0251	-0.0002
Base	6793		CIM4 Max	0.5486	0.2001	2.2512	0.0082	0.49	0.0001
Base	6793		CIM4 Min	-0.2955	-0.1596	1.7932	-0.0102	-0.2274	-0.0003
Base	6793		CIM5 Max	0.1943	1.0164	2.2309	0.0592	0.1678	-1.776E-05
Base	6793		CIM5 Min	0.0586	-0.9761	1.6135	-0.0612	0.0746	-0.0002
Base	6793		CIM6 Max	0.6206	0.246	1.4434	0.0119	0.5365	0.0002
Base	6793		CIM6 Min	-0.5047	-0.2316	0.8327	-0.0126	-0.418	-0.0003
Base	6793		CIM7 Max	0.1464	1.3364	1.4164	0.0796	0.1355	0.0001
Base	6793		CIM7 Min	-0.0323	-1.3203	0.8596	-0.0806	-0.0151	-0.0002
Base	6799		PP	0.0209	-0.0416	1.5767	0.0021	0.0204	-4.222E-06
Base	6799		CA	0.0741	-0.0212	0.313	0.0009	0.0733	-4.571E-06
Base	6799		CV	0.039	-0.0051	0.166	0.0001	0.0365	-2.422E-06
Base	6799		SX Max	0.5166	0.3464	0.644	0.0153	0.4352	0.0003
Base	6799		SY Max	0.0697	1.519	0.0454	0.0657	0.0743	0.0002
Base	6799		CIM1	0.134	-0.0681	2.0576	0.0031	0.1322	-1.122E-05
Base	6799		CIM2 Max	0.5513	0.2417	2.4564	0.0164	0.4766	0.0003
Base	6799		CIM2 Min	-0.3614	-0.3679	1.3246	-0.0105	-0.2693	-0.0003
Base	6799		CIM3 Max	0.1739	1.2736	1.9316	0.0793	0.159	0.0001
Base	6799		CIM3 Min	0.016	-1.3997	1.5516	-0.0733	0.0262	-0.0002
Base	6799		CIM4 Max	0.4665	0.1617	2.4412	0.0131	0.4097	0.0002
Base	6799		CIM4 Min	-0.216	-0.2955	1.591	-0.007	-0.1647	-0.0002
Base	6799		CIM5 Max	0.1634	0.9356	2.0461	0.0603	0.1716	0.0001
Base	6799		CIM5 Min	0.065	-1.0694	1.9662	-0.0542	0.0735	-0.0001
Base	6799		CIM6 Max	0.5133	0.267	1.7017	0.0152	0.4391	0.0003
Base	6799		CIM6 Min	-0.3894	-0.3426	0.5662	-0.0117	-0.3266	-0.0003
Base	6799		CIM7 Max	0.136	1.2966	1.1749	0.0781	0.1216	0.0001
Base	6799		CIM7 Min	-0.022	-1.3745	1.095	-0.0745	-0.0092	-0.0002
Base	6805		PP	0.0144	-0.1051	1.5543	0.0051	0.0146	3.053E-05
Base	6805		CA	0.052	-0.0531	0.2696	0.0026	0.0545	0.0002
Base	6805		CV	0.0274	-0.0219	0.153	0.0011	0.0256	0.0001
Base	6805		SX Max	0.3501	0.4318	1.1166	0.0197	0.2979	0.0006
Base	6805		SY Max	0.1067	1.4756	0.4321	0.092	0.0706	0.0003
Base	6805		CIM1	0.0937	-0.1601	1.9969	0.009	0.0977	0.0003
Base	6805		CIM2 Max	0.3744	0.2216	2.6263	0.0253	0.3312	0.0006
Base	6805		CIM2 Min	-0.2417	-0.5362	0.8596	-0.0094	-0.1932	-0.0004
Base	6805		CIM3 Max	0.1602	1.1404	2.2242	0.0689	0.1311	0.0005
Base	6805		CIM3 Min	-0.0276	-1.4569	1.4637	-0.073	0.0069	-0.0001
Base	6805		CIM4 Max	0.3179	0.1104	2.6969	0.0216	0.2671	0.0007
Base	6805		CIM4 Min	-0.1442	-0.4596	1.2204	-0.0043	-0.1061	-0.0002
Base	6805		CIM5 Max	0.1573	0.7994	2.2439	0.0695	0.1371	0.0005
Base	6805		CIM5 Min	0.0164	-1.1486	1.6735	-0.052	0.0439	4.269E-05
Base	6805		CIM6 Max	0.3479	0.2651	2.0907	0.0221	0.3036	0.0007
Base	6805		CIM6 Min	-0.2663	-0.4749	0.122	-0.0126	-0.2206	-0.0004
Base	6805		CIM7 Max	0.1337	1.2037	1.4666	0.0657	0.1035	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6605		CIM7 Min	-0.0541	-1.3936	0.7261	-0.0762	-0.0207	-0.0002
Base	6611		PP	-0.0004	-0.1758	1.5491	0.0097	0.0051	0.0001
Base	6611		CA	0.0156	-0.0743	0.2556	0.0037	0.0265	0.0001
Base	6611		CV	0.0062	-0.0335	0.1337	0.0016	0.0139	0.0001
Base	6611		SX Max	0.1569	0.5229	2.0346	0.0162	0.1517	0.0005
Base	6611		SY Max	0.1169	1.3092	1.2396	0.0795	0.0541	0.0003
Base	6611		CIM1	0.0233	-0.2636	1.9383	0.015	0.0456	0.0003
Base	6611		CIM2 Max	0.1549	0.2101	3.5952	0.0294	0.1651	0.0007
Base	6611		CIM2 Min	-0.1247	-0.7102	0.014	-0.0027	-0.1016	-0.0002
Base	6611		CIM3 Max	0.1197	0.9021	2.6956	0.0633	0.0793	0.0005
Base	6611		CIM3 Min	-0.0695	-1.4022	0.7136	-0.0566	-0.016	-0.0001
Base	6611		CIM4 Max	0.1261	0.0699	3.2479	0.0266	0.1422	0.0006
Base	6611		CIM4 Min	-0.0836	-0.6203	0.562	0.0026	-0.056	-0.0001
Base	6611		CIM5 Max	0.0997	0.5669	2.7232	0.067	0.0776	0.0005
Base	6611		CIM5 Min	-0.0572	-1.1393	1.0667	-0.0379	0.0063	3.672E-05
Base	6611		CIM6 Max	0.1469	0.3101	2.8734	0.024	0.1525	0.0006
Base	6611		CIM6 Min	-0.1307	-0.6102	-0.7076	-0.006	-0.1145	-0.0003
Base	6611		CIM7 Max	0.1137	1.0021	2.1736	0.076	0.0666	0.0004
Base	6611		CIM7 Min	-0.0955	-1.3022	-0.0052	-0.0619	-0.0267	-0.0002
Base	6621		PP	0.0397	0.0014	2.3574	-0.001	0.0029	-9.512E-06
Base	6621		CA	0.083	2.241E-06	0.3797	-4.272E-05	0.0058	0
Base	6621		CV	0.0191	0.0002	0.2721	-0.0002	0.0016	0
Base	6621		SX Max	2.662	0.1013	1.2726	0.0422	0.1779	0.0005
Base	6621		SY Max	0.2646	0.1152	0.8519	0.1222	0.013	0.0006
Base	6621		CIM1	0.1417	0.0016	3.0093	-0.0012	0.0105	-9.677E-06
Base	6621		CIM2 Max	2.6412	0.0905	3.6572	0.0361	0.1653	0.0004
Base	6621		CIM2 Min	-2.396	-0.0577	1.6171	-0.0362	-0.1476	-0.0004
Base	6621		CIM3 Max	0.3555	0.1026	3.4869	0.1065	0.0202	0.0006
Base	6621		CIM3 Min	-0.1102	-0.1	1.9675	-0.1066	-0.0027	-0.0006
Base	6621		CIM4 Max	2.0259	0.0663	3.7513	0.0267	0.1275	0.0003
Base	6621		CIM4 Min	-1.752	-0.0653	2.1012	-0.029	-0.1073	-0.0003
Base	6621		CIM5 Max	0.3116	0.0775	3.5035	0.0785	0.0167	0.0004
Base	6621		CIM5 Min	-0.0377	-0.0745	2.379	-0.0619	0.0015	-0.0004
Base	6621		CIM6 Max	2.5921	0.0699	2.7623	0.0365	0.1618	0.0004
Base	6621		CIM6 Min	-2.445	-0.0583	0.5223	-0.0378	-0.1513	-0.0004
Base	6621		CIM7 Max	0.3064	0.1022	2.392	0.1069	0.0167	0.0006
Base	6621		CIM7 Min	-0.1593	-0.1005	0.5926	-0.1062	-0.0062	-0.0006
Base	6631		PP	-0.0616	0.0001	2.1643	-0.0004	-0.0042	5.925E-06
Base	6631		CA	0.0429	-4.756E-05	0.3666	3.439E-06	0.0006	5.351E-07
Base	6631		CV	-0.0045	0.0001	0.2545	-0.0001	-0.001	0
Base	6631		SX Max	2.9772	0.0627	0.5366	0.0494	0.1632	0.0004
Base	6631		SY Max	0.2659	0.2914	0.5719	0.2546	0.0138	0.0007
Base	6631		CIM1	-0.0432	0.0001	2.8274	-0.0005	-0.0046	6.661E-06
Base	6631		CIM2 Max	2.5613	0.0726	3.0466	0.0431	0.14	0.0004
Base	6631		CIM2 Min	-2.6566	-0.0727	2.0969	-0.0436	-0.1472	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6631		CIM3 Max	0.2129	0.2565	3.0761	0.2236	0.0065	0.0006
Base	6631		CIM3 Min	-0.2902	-0.2564	2.0696	-0.2244	-0.0156	-0.0006
Base	6631		CIM4 Max	1.9229	0.0547	3.1192	0.0321	0.1033	0.0003
Base	6631		CIM4 Min	-2.007	-0.0545	2.4083	-0.033	-0.112	-0.0003
Base	6631		CIM5 Max	0.1466	0.1924	3.1412	0.1676	0.0048	0.0004
Base	6631		CIM5 Min	-0.2308	-0.1922	2.3863	-0.1684	-0.0135	-0.0004
Base	6631		CIM6 Max	2.5967	0.0726	2.0177	0.0432	0.1414	0.0003
Base	6631		CIM6 Min	-2.6431	-0.0727	1.0696	-0.0437	-0.1457	-0.0003
Base	6631		CIM7 Max	0.2264	0.2565	2.047	0.2236	0.01	0.0006
Base	6631		CIM7 Min	-0.2748	-0.2564	1.0405	-0.2242	-0.0143	-0.0006
Base	6637		PP	-0.109	1.55E-05	2.0352	-0.0002	-0.0045	7.356E-07
Base	6637		CA	0.0352	-2.669E-05	0.3984	-5.783E-07	0.0034	0
Base	6637		CV	-0.0062	2.759E-05	0.2419	-0.0001	0.0005	0
Base	6637		SX Max	3.0564	0.073	0.254	0.0476	0.1723	0.0002
Base	6637		SY Max	0.2466	0.4615	0.3572	0.3583	0.0117	0.0003
Base	6637		CIM1	-0.0799	1.47E-05	2.6764	-0.0002	-0.0006	6.169E-07
Base	6637		CIM2 Max	2.6159	0.0642	2.6561	0.0417	0.1504	0.0002
Base	6637		CIM2 Min	-2.7634	-0.0642	2.211	-0.042	-0.1526	-0.0002
Base	6637		CIM3 Max	0.1435	0.4061	2.7469	0.3416	0.0092	0.0003
Base	6637		CIM3 Min	-0.291	-0.4061	2.1202	-0.3419	-0.0115	-0.0003
Base	6637		CIM4 Max	1.9389	0.0462	2.7636	0.0312	0.1129	0.0002
Base	6637		CIM4 Min	-2.0956	-0.0462	2.4483	-0.0316	-0.1145	-0.0002
Base	6637		CIM5 Max	0.0645	0.3046	2.6517	0.2561	0.007	0.0002
Base	6637		CIM5 Min	-0.2413	-0.3046	2.3602	-0.2565	-0.0065	-0.0002
Base	6637		CIM6 Max	2.6454	0.0642	1.6643	0.0416	0.1509	0.0002
Base	6637		CIM6 Min	-2.7339	-0.0642	1.2372	-0.042	-0.1523	-0.0002
Base	6637		CIM7 Max	0.173	0.4061	1.7751	0.3416	0.0096	0.0003
Base	6637		CIM7 Min	-0.2615	-0.4061	1.1464	-0.3416	-0.011	-0.0003
Base	6643		PP	-0.1036	-7.616E-06	1.9197	-0.0001	-0.005	0
Base	6643		CA	-0.0005	-1.465E-05	0.4002	-2.757E-05	-0.0014	0
Base	6643		CV	-0.0203	1.172E-05	0.2293	-0.0001	-0.0017	0
Base	6643		SX Max	3.0624	0.0746	0.1074	0.0476	0.1701	0.0002
Base	6643		SY Max	0.1937	0.5845	0.2103	0.4944	0.0094	0.0002
Base	6643		CIM1	-0.1246	-1.055E-05	2.5492	-0.0002	-0.0062	0
Base	6643		CIM2 Max	2.5905	0.0656	2.4145	0.0417	0.1432	0.0002
Base	6643		CIM2 Min	-2.7993	-0.0657	2.2254	-0.042	-0.1562	-0.0002
Base	6643		CIM3 Max	0.066	0.5144	2.505	0.435	0.0016	0.0002
Base	6643		CIM3 Min	-0.2748	-0.5144	2.1349	-0.4352	-0.0147	-0.0002
Base	6643		CIM4 Max	1.9016	0.0492	2.5626	0.0312	0.1045	0.0001
Base	6643		CIM4 Min	-2.1407	-0.0492	2.421	-0.0316	-0.12	-0.0001
Base	6643		CIM5 Max	0.0052	0.3856	2.6307	0.3261	-0.0016	0.0002
Base	6643		CIM5 Min	-0.2474	-0.3856	2.3531	-0.3265	-0.0139	-0.0002
Base	6643		CIM6 Max	2.6323	0.0656	1.4665	0.0416	0.1456	0.0002
Base	6643		CIM6 Min	-2.7575	-0.0656	1.2975	-0.0419	-0.1536	-0.0002
Base	6643		CIM7 Max	0.1076	0.5144	1.577	0.435	0.0044	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6643		CIM7 Min	-0.233	-0.5144	1.2069	-0.4351	-0.0121	-0.0002
Base	6649		PP	-0.0842	1.065E-06	1.6415	-0.0001	-0.0036	0
Base	6649		CA	-0.0052	2.36E-05	0.3894	-0.0001	0.001	0
Base	6649		CV	-0.0164	2.35E-05	0.2155	-0.0001	-0.0002	0
Base	6649		SX Max	3.0202	0.0742	0.0373	0.0461	0.1635	0.0002
Base	6649		SY Max	0.1453	0.6565	0.1196	0.5664	0.0071	0.0003
Base	6649		CIM1	-0.1076	4.619E-05	2.4463	-0.0003	-0.0026	0
Base	6649		CIM2 Max	2.5664	0.0653	2.2637	0.0404	0.1413	0.0002
Base	6649		CIM2 Min	-2.7472	-0.0652	2.196	-0.0407	-0.1464	-0.0002
Base	6649		CIM3 Max	0.0364	0.5795	2.3361	0.4963	0.0037	0.0002
Base	6649		CIM3 Min	-0.2172	-0.5794	2.1256	-0.4966	-0.0056	-0.0002
Base	6649		CIM4 Max	1.6901	0.049	2.4171	0.0302	0.1052	0.0001
Base	6649		CIM4 Min	-2.0966	-0.0469	2.3676	-0.0307	-0.1106	-0.0001
Base	6649		CIM5 Max	-0.0073	0.4346	2.4714	0.3736	0.002	0.0002
Base	6649		CIM5 Min	-0.1991	-0.4345	2.3136	-0.3741	-0.0074	-0.0002
Base	6649		CIM6 Max	2.6041	0.0653	1.3713	0.0405	0.1423	0.0002
Base	6649		CIM6 Min	-2.7114	-0.0653	1.3057	-0.0407	-0.1454	-0.0002
Base	6649		CIM7 Max	0.0742	0.5795	1.4437	0.4964	0.0047	0.0002
Base	6649		CIM7 Min	-0.1615	-0.5794	1.2333	-0.4965	-0.0076	-0.0002
Base	6655		PP	-0.0739	3.829E-05	1.7904	-0.0001	-0.0037	0
Base	6655		CA	-0.0307	0.0001	0.3696	-0.0002	-0.0024	0
Base	6655		CV	-0.0264	0.0001	0.2005	-0.0001	-0.0019	0
Base	6655		SX Max	3.0046	0.0716	0.1399	0.0434	0.1714	0.0002
Base	6655		SY Max	0.1086	0.6926	0.0661	0.609	0.0055	0.0003
Base	6655		CIM1	-0.133	0.0002	2.3606	-0.0004	-0.006	5.383E-07
Base	6655		CIM2 Max	2.5396	0.0632	2.2633	0.0379	0.1446	0.0002
Base	6655		CIM2 Min	-2.7466	-0.0629	2.0371	-0.0365	-0.1569	-0.0002
Base	6655		CIM3 Max	-0.0069	0.6097	2.2202	0.5356	-0.0013	0.0003
Base	6655		CIM3 Min	-0.2004	-0.6093	2.1003	-0.5362	-0.0109	-0.0003
Base	6655		CIM4 Max	1.6573	0.0475	2.403	0.0283	0.1056	0.0001
Base	6655		CIM4 Min	-2.1091	-0.047	2.2163	-0.029	-0.1206	-0.0001
Base	6655		CIM5 Max	-0.0541	0.4573	2.3556	0.4015	-0.0039	0.0002
Base	6655		CIM5 Min	-0.1977	-0.4569	2.2657	-0.4023	-0.0111	-0.0002
Base	6655		CIM6 Max	2.5614	0.0631	1.4192	0.036	0.1472	0.0002
Base	6655		CIM6 Min	-2.707	-0.0629	1.173	-0.0364	-0.1545	-0.0002
Base	6655		CIM7 Max	0.033	0.6096	1.3561	0.5357	0.0012	0.0003
Base	6655		CIM7 Min	-0.1565	-0.6094	1.2362	-0.5361	-0.0085	-0.0003
Base	6661		PP	-0.0666	0.0001	1.7543	-0.0001	-0.0031	0
Base	6661		CA	-0.0342	0.0003	0.34	-0.0003	-0.0009	5.279E-07
Base	6661		CV	-0.0277	0.0002	0.1825	-0.0002	-0.001	0
Base	6661		SX Max	2.8566	0.0706	0.3226	0.043	0.1551	0.0002
Base	6661		SY Max	0.0841	0.7027	0.0418	0.6316	0.0044	0.0003
Base	6661		CIM1	-0.1305	0.0006	2.2766	-0.0007	-0.005	1.561E-06
Base	6661		CIM2 Max	2.4112	0.0625	2.3762	0.0374	0.1325	0.0002
Base	6661		CIM2 Min	-2.6166	-0.0617	1.6104	-0.0363	-0.1406	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	5661		CIM3 Max	-0.0268	0.6158	2.1311	0.5553	-0.0002	0.0002
Base	5661		CIM3 Min	-0.1766	-0.616	2.0575	-0.5563	-0.0079	-0.0002
Base	5661		CIM4 Max	1.762	0.0471	2.4441	0.0277	0.0976	0.0001
Base	5661		CIM4 Min	-2.0091	-0.0461	2.0183	-0.029	-0.1072	-0.0001
Base	5661		CIM5 Max	-0.068	0.4643	2.2566	0.4162	-0.0019	0.0002
Base	5661		CIM5 Min	-0.1791	-0.4633	2.2036	-0.4175	-0.0077	-0.0002
Base	5661		CIM6 Max	2.4523	0.0624	1.5405	0.0376	0.1341	0.0002
Base	5661		CIM6 Min	-2.5757	-0.0619	0.9727	-0.0361	-0.1369	-0.0002
Base	5661		CIM7 Max	0.0124	0.6186	1.2934	0.5555	0.0014	0.0002
Base	5661		CIM7 Min	-0.1357	-0.6182	1.2196	-0.5561	-0.0063	-0.0002
Base	5667		PP	-0.0764	0.0002	1.7254	-0.0002	-0.0039	0
Base	5667		CA	-0.043	0.0005	0.3093	-0.0005	-0.0025	9.159E-07
Base	5667		CV	-0.0305	0.0003	0.1655	-0.0003	-0.0017	0
Base	5667		SX Max	2.7416	0.0709	0.6444	0.0446	0.1573	0.0002
Base	5667		SY Max	0.0679	0.7045	0.0316	0.6454	0.0036	0.0002
Base	5667		CIM1	-0.1498	0.0009	2.2002	-0.001	-0.0081	1.715E-06
Base	5667		CIM2 Max	2.2933	0.063	2.6016	0.0386	0.132	0.0002
Base	5667		CIM2 Min	-2.5319	-0.0616	1.4677	-0.0399	-0.1446	-0.0002
Base	5667		CIM3 Max	-0.0596	0.6206	2.0625	0.5673	-0.0032	0.0002
Base	5667		CIM3 Min	-0.179	-0.6193	2.0069	-0.5666	-0.0095	-0.0002
Base	5667		CIM4 Max	1.6673	0.0476	2.5841	0.0266	0.0961	0.0001
Base	5667		CIM4 Min	-1.9516	-0.046	1.7335	-0.0303	-0.1115	-0.0001
Base	5667		CIM5 Max	-0.0974	0.4656	2.1797	0.4251	-0.0053	0.0002
Base	5667		CIM5 Min	-0.1869	-0.4641	2.1379	-0.4268	-0.0101	-0.0002
Base	5667		CIM6 Max	2.341	0.0626	1.7679	0.0389	0.1346	0.0002
Base	5667		CIM6 Min	-2.4842	-0.062	0.6536	-0.0397	-0.1422	-0.0002
Base	5667		CIM7 Max	-0.0119	0.6203	1.2457	0.5676	-0.0007	0.0002
Base	5667		CIM7 Min	-0.1313	-0.6196	1.193	-0.5664	-0.007	-0.0002
Base	5677		PP	-0.0997	0.0001	1.3461	-0.0002	-0.0054	0
Base	5677		CA	-0.0364	0.0004	0.2111	-0.0004	-0.0023	0
Base	5677		CV	-0.0236	0.0002	0.1142	-0.0003	-0.0015	0
Base	5677		SX Max	1.5795	0.0495	1.5071	0.0302	0.1155	4.767E-05
Base	5677		SY Max	0.0406	0.5773	0.0326	0.5497	0.0024	0.0001
Base	5677		CIM1	-0.1596	0.0006	1.6734	-0.0006	-0.0091	0
Base	5677		CIM2 Max	1.5176	0.0441	2.6854	0.026	0.094	4.223E-05
Base	5677		CIM2 Min	-1.79	-0.043	0.2329	-0.0271	-0.1093	-4.166E-05
Base	5677		CIM3 Max	-0.1003	0.5066	1.5879	0.4632	-0.0055	0.0001
Base	5677		CIM3 Min	-0.172	-0.5074	1.5305	-0.4644	-0.0097	-0.0001
Base	5677		CIM4 Max	1.0566	0.0334	2.6395	0.0191	0.0675	3.183E-05
Base	5677		CIM4 Min	-1.3943	-0.0319	0.6501	-0.0207	-0.0849	-3.109E-05
Base	5677		CIM5 Max	-0.1269	0.3817	1.6664	0.3621	-0.0072	0.0001
Base	5677		CIM5 Min	-0.1806	-0.3803	1.6233	-0.3636	-0.0103	-0.0001
Base	5677		CIM6 Max	1.5722	0.0439	2.2616	0.0262	0.097	4.212E-05
Base	5677		CIM6 Min	-1.7356	-0.0432	-0.3907	-0.0269	-0.1062	-4.175E-05
Base	5677		CIM7 Max	-0.0456	0.5063	0.9642	0.4634	-0.0025	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6677		CIM7 Min	-0.1175	-0.5077	0.9066	-0.4641	-0.0067	-0.0001
Base	6683		PP	-0.1376	0.0001	1.3221	-0.0001	-0.0071	0
Base	6683		CA	-0.0375	0.0003	0.2013	-0.0004	-0.0015	0
Base	6683		CV	-0.0236	0.0002	0.1106	-0.0002	-0.0011	0
Base	6683		SX Max	1.7337	0.0345	2.3941	0.0241	0.1143	2.521E-05
Base	6683		SY Max	0.0369	0.6007	0.0467	0.5611	0.0024	0.0001
Base	6683		CIM1	-0.1967	0.0007	1.634	-0.0007	-0.0097	0
Base	6683		CIM2 Max	1.3505	0.0309	3.6302	0.0207	0.092	2.204E-05
Base	6683		CIM2 Min	-1.7007	-0.0299	-0.5634	-0.0217	-0.1093	-2.233E-05
Base	6683		CIM3 Max	-0.1427	0.5291	1.5645	0.5109	-0.0066	0.0001
Base	6683		CIM3 Min	-0.2075	-0.5262	1.4623	-0.5119	-0.0107	-0.0001
Base	6683		CIM4 Max	0.9514	0.0234	3.1664	0.0153	0.066	1.647E-05
Base	6683		CIM4 Min	-1.337	-0.0222	0.0262	-0.0166	-0.0549	-1.661E-05
Base	6683		CIM5 Max	-0.1665	0.3971	1.6371	0.3828	-0.0079	0.0001
Base	6683		CIM5 Min	-0.2171	-0.3959	1.5756	-0.3842	-0.011	-0.0001
Base	6683		CIM6 Max	1.4206	0.0307	3.0206	0.0209	0.0954	2.21E-05
Base	6683		CIM6 Min	-1.6307	-0.0301	-1.1926	-0.0215	-0.1056	-2.227E-05
Base	6683		CIM7 Max	-0.0726	0.5269	0.9551	0.5111	-0.0031	0.0001
Base	6683		CIM7 Min	-0.1375	-0.5283	0.873	-0.5117	-0.0073	-0.0001
Base	6689		PP	-0.1769	0.0001	1.3419	-0.0001	-0.0104	0
Base	6689		CA	-0.043	0.0003	0.2062	-0.0003	-0.0032	9.47E-07
Base	6689		CV	-0.0257	0.0002	0.1176	-0.0002	-0.0019	6.615E-07
Base	6689		SX Max	1.4169	0.043	4.1626	0.0342	0.1042	0.0002
Base	6689		SY Max	0.0292	0.7222	0.0764	0.6291	0.002	0.0023
Base	6689		CIM1	-0.2455	0.0005	1.6679	-0.0005	-0.0154	2.036E-06
Base	6689		CIM2 Max	1.0266	0.0362	5.2309	0.0297	0.0762	0.0001
Base	6689		CIM2 Min	-1.4665	-0.0375	-2.1305	-0.0305	-0.1053	-0.0001
Base	6689		CIM3 Max	-0.1942	0.6359	1.619	0.5532	-0.0117	0.002
Base	6689		CIM3 Min	-0.2455	-0.6352	1.4611	-0.554	-0.0153	-0.002
Base	6689		CIM4 Max	0.6973	0.0266	4.399	0.0221	0.0536	0.0001
Base	6689		CIM4 Min	-1.1756	-0.0279	-1.1222	-0.0231	-0.0537	-0.0001
Base	6689		CIM5 Max	-0.2199	0.4771	1.6901	0.4147	-0.0136	0.0015
Base	6689		CIM5 Min	-0.2564	-0.4762	1.5867	-0.4157	-0.0163	-0.0015
Base	6689		CIM6 Max	1.1167	0.0351	4.6109	0.0299	0.0836	0.0001
Base	6689		CIM6 Min	-1.3605	-0.0376	-2.7506	-0.0303	-0.0996	-0.0001
Base	6689		CIM7 Max	-0.1062	0.6356	0.999	0.5534	-0.0063	0.002
Base	6689		CIM7 Min	-0.1576	-0.6353	0.8611	-0.5535	-0.0099	-0.002
Base	6699		PP	0.1691	-2.866E-06	1.6912	-2.027E-05	0.0105	0
Base	6699		CA	0.0111	-1.18E-05	0.4906	1.171E-05	0.0012	0
Base	6699		CV	0.0029	1.314E-05	0.2496	-3.209E-05	0.0004	0
Base	6699		SX Max	1.5119	0.0776	4.4727	0.0659	0.1249	0.0003
Base	6699		SY Max	0.0623	0.6464	0.0726	0.7432	0.0034	0.0031
Base	6699		CIM1	0.203	-1.531E-06	2.4316	-4.065E-05	0.0121	0
Base	6699		CIM2 Max	1.7946	0.0664	6.116	0.056	0.1216	0.0003
Base	6699		CIM2 Min	-1.3944	-0.0665	-1.754	-0.056	-0.0963	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6699		CIM3 Max	0.255	0.7448	2.246	0.654	0.0146	0.0027
Base	6699		CIM3 Min	0.1453	-0.7449	2.1161	-0.6541	0.0057	-0.0027
Base	6699		CIM4 Max	1.3962	0.0513	5.3214	0.0435	0.0944	0.0002
Base	6699		CIM4 Min	-0.9935	-0.0514	-0.5626	-0.0435	-0.0705	-0.0002
Base	6699		CIM5 Max	0.2435	0.5586	2.4173	0.4905	0.0142	0.0021
Base	6699		CIM5 Min	0.1612	-0.5586	2.3214	-0.4906	0.0096	-0.0021
Base	6699		CIM6 Max	1.7146	0.0665	5.2452	0.056	0.1169	0.0003
Base	6699		CIM6 Min	-1.4744	-0.0665	-2.6266	-0.056	-0.1029	-0.0003
Base	6699		CIM7 Max	0.1749	0.7448	1.3731	0.654	0.01	0.0027
Base	6699		CIM7 Min	0.0652	-0.7449	1.2453	-0.6541	0.004	-0.0027
Base	6909		PP	0.1143	-1.33E-05	1.6604	-3.46E-05	0.0054	0
Base	6909		CA	-0.034	-1.31E-05	0.4595	6.006E-06	-0.0019	0
Base	6909		CV	-0.0214	6.736E-06	0.2376	-3.776E-05	-0.0012	0
Base	6909		SX Max	2.1961	0.0709	2.335	0.0555	0.1342	0.0001
Base	6909		SY Max	0.0695	0.6523	0.0766	0.6136	0.004	0.0006
Base	6909		CIM1	0.0569	-1.967E-05	2.3776	-0.0001	0.0023	0
Base	6909		CIM2 Max	2.0129	0.0624	4.1946	0.0466	0.1216	0.0001
Base	6909		CIM2 Min	-1.6523	-0.0624	0.0651	-0.0466	-0.1145	-0.0001
Base	6909		CIM3 Max	0.1591	0.574	2.2091	0.5401	0.0071	0.0005
Base	6909		CIM3 Min	0.0015	-0.574	2.0706	-0.5401	-3.111E-06	-0.0005
Base	6909		CIM4 Max	1.5137	0.0466	3.6593	0.0366	0.0912	0.0001
Base	6909		CIM4 Min	-1.3652	-0.0466	0.777	-0.0367	-0.0659	-0.0001
Base	6909		CIM5 Max	0.1233	0.4305	2.3701	0.405	0.0053	0.0004
Base	6909		CIM5 Min	0.0051	-0.4305	2.2663	-0.4051	-2.167E-05	-0.0004
Base	6909		CIM6 Max	1.9607	0.0624	3.3356	0.0456	0.1202	0.0001
Base	6909		CIM6 Min	-1.6544	-0.0624	-0.7709	-0.0466	-0.1159	-0.0001
Base	6909		CIM7 Max	0.127	0.574	1.3532	0.5401	0.0057	0.0005
Base	6909		CIM7 Min	-0.0306	-0.574	1.2146	-0.5401	-0.0014	-0.0005
Base	6915		PP	0.0599	-2.436E-05	1.695	-0.0001	0.003	0
Base	6915		CA	-0.0563	-1.226E-05	0.4113	-1.207E-05	-0.0031	0
Base	6915		CV	-0.0345	4.496E-06	0.2146	-4.516E-05	-0.0016	0
Base	6915		SX Max	2.4547	0.0739	1.3543	0.051	0.1453	0.0001
Base	6915		SY Max	0.1253	0.5768	0.1609	0.5162	0.006	0.0003
Base	6915		CIM1	-0.0329	-3.217E-05	2.3209	-0.0001	-0.0019	-6.765E-07
Base	6915		CIM2 Max	2.1616	0.065	3.2961	0.0446	0.1277	4.966E-05
Base	6915		CIM2 Min	-2.1565	-0.0651	0.9146	-0.0449	-0.1279	-0.0001
Base	6915		CIM3 Max	0.1119	0.5094	2.2479	0.4542	0.0052	0.0002
Base	6915		CIM3 Min	-0.1056	-0.5094	1.9647	-0.4544	-0.0054	-0.0002
Base	6915		CIM4 Max	1.5959	0.0456	3.1611	0.0335	0.0944	3.719E-05
Base	6915		CIM4 Min	-1.6444	-0.0456	1.3734	-0.0336	-0.0974	-3.649E-05
Base	6915		CIM5 Max	0.0564	0.382	2.3734	0.3406	0.0025	0.0002
Base	6915		CIM5 Min	-0.107	-0.3821	2.1611	-0.3405	-0.0054	-0.0002
Base	6915		CIM6 Max	2.1611	0.065	2.4555	0.0446	0.1276	0.0001
Base	6915		CIM6 Min	-2.1592	-0.0651	0.0721	-0.0449	-0.1279	-0.0001
Base	6915		CIM7 Max	0.1112	0.5094	1.4054	0.4542	0.0052	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6915		CIM7 Min	-0.1093	-0.5094	1.1222	-0.4543	-0.0053	-0.0002
Base	6921		PP	0.0315	-2.04E-05	1.6955	-0.0002	0.0017	-1.193E-06
Base	6921		CA	-0.0565	4.155E-06	0.3595	-0.0001	-0.0022	0
Base	6921		CV	-0.0338	1.321E-05	0.189	-0.0001	-0.0014	0
Base	6921		SX Max	2.6604	0.0621	0.7862	0.0447	0.1468	0.0002
Base	6921		SY Max	0.1711	0.5025	0.3013	0.4263	0.007	0.0003
Base	6921		CIM1	-0.0566	-3.03E-06	2.244	-0.0003	-0.0016	-1.79E-06
Base	6921		CIM2 Max	2.3161	0.0546	2.7466	0.0391	0.1266	0.0001
Base	6921		CIM2 Min	-2.3661	-0.0546	1.3632	-0.0395	-0.1297	-0.0001
Base	6921		CIM3 Max	0.1256	0.4421	2.3201	0.3749	0.0057	0.0003
Base	6921		CIM3 Min	-0.1756	-0.4422	1.7699	-0.3753	-0.0066	-0.0003
Base	6921		CIM4 Max	1.7055	0.041	2.7156	0.0292	0.0954	0.0001
Base	6921		CIM4 Min	-1.6062	-0.041	1.6779	-0.0295	-0.0964	-0.0001
Base	6921		CIM5 Max	0.0626	0.3316	2.3956	0.2811	0.0031	0.0002
Base	6921		CIM5 Min	-0.1633	-0.3316	1.9979	-0.2816	-0.0061	-0.0002
Base	6921		CIM6 Max	2.3261	0.0546	1.9246	0.0392	0.1269	0.0001
Base	6921		CIM6 Min	-2.3561	-0.0546	0.5412	-0.0395	-0.1295	-0.0001
Base	6921		CIM7 Max	0.1356	0.4422	1.4961	0.375	0.0059	0.0003
Base	6921		CIM7 Min	-0.1656	-0.4422	0.9679	-0.3752	-0.0064	-0.0003
Base	6931		PP	0.0156	-0.0101	1.4179	0.0054	0.003	0.0001
Base	6931		CA	0.0567	-0.0034	0.2079	0.0017	0.0056	1.306E-05
Base	6931		CV	0.023	-0.0046	0.1226	0.0022	0.0024	1.357E-05
Base	6931		SX Max	0.7377	0.0655	0.3494	0.0194	0.0644	0.0004
Base	6931		SY Max	0.6645	0.1003	2.6126	0.1219	0.0301	0.0003
Base	6931		CIM1	0.0973	-0.0163	1.7466	0.0092	0.011	0.0001
Base	6931		CIM2 Max	0.7235	0.0441	1.9333	0.0241	0.0652	0.0004
Base	6931		CIM2 Min	-0.5746	-0.0712	1.3163	-0.01	-0.048	-0.0003
Base	6931		CIM3 Max	0.6767	0.0747	3.925	0.1143	0.0351	0.0003
Base	6931		CIM3 Min	-0.526	-0.1016	-0.6733	-0.1002	-0.0179	-0.0002
Base	6931		CIM4 Max	0.5785	0.0261	1.9466	0.0215	0.0529	0.0004
Base	6931		CIM4 Min	-0.3953	-0.0604	1.4573	-0.0041	-0.032	-0.0002
Base	6931		CIM5 Max	0.5434	0.0491	3.4423	0.0691	0.0303	0.0003
Base	6931		CIM5 Min	-0.3602	-0.0533	-0.0064	-0.0716	-0.0095	-0.0001
Base	6931		CIM6 Max	0.6937	0.0496	1.263	0.0213	0.0618	0.0004
Base	6931		CIM6 Min	-0.6046	-0.0656	0.666	-0.0126	-0.0515	-0.0003
Base	6931		CIM7 Max	0.6469	0.0601	3.2746	0.1115	0.0317	0.0003
Base	6931		CIM7 Min	-0.5578	-0.0964	-1.3236	-0.1031	-0.0214	-0.0002
Base	6937		PP	-0.0519	-0.0022	1.3129	0.0025	-0.0024	-2.843E-05
Base	6937		CA	0.0297	-0.002	0.1636	0.0015	0.0005	-4.396E-06
Base	6937		CV	0.0093	-0.0034	0.1056	0.0023	-0.0002	-3.804E-06
Base	6937		SX Max	0.6527	0.0466	2.4076	0.0361	0.0606	0.0003
Base	6937		SY Max	0.5163	0.2963	1.6571	0.2457	0.0247	0.0012
Base	6937		CIM1	-0.0129	-0.0076	1.5821	0.0063	-0.0021	-3.663E-05
Base	6937		CIM2 Max	0.5522	0.0366	3.5952	0.0357	0.0516	0.0002
Base	6937		CIM2 Min	-0.5966	-0.047	-0.6421	-0.0278	-0.0554	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6937		CIM3 Max	0.4339	0.2566	3.1372	0.2202	0.0199	0.001
Base	6937		CIM3 Min	-0.4763	-0.265	-0.1641	-0.2123	-0.0237	-0.0011
Base	6937		CIM4 Max	0.4155	0.0254	3.1447	0.0295	0.0351	0.0002
Base	6937		CIM4 Min	-0.446	-0.0386	-0.0333	-0.0161	-0.0422	-0.0002
Base	6937		CIM5 Max	0.3268	0.1669	2.6012	0.1679	0.0143	0.0006
Base	6937		CIM5 Min	-0.3573	-0.2023	0.3102	-0.1565	-0.0164	-0.0006
Base	6937		CIM6 Max	0.5611	0.0403	3.0046	0.0341	0.0524	0.0003
Base	6937		CIM6 Min	-0.5677	-0.0453	-1.2326	-0.0293	-0.0547	-0.0003
Base	6937		CIM7 Max	0.4426	0.2563	2.5465	0.2156	0.0206	0.001
Base	6937		CIM7 Min	-0.4694	-0.2633	-0.7747	-0.2139	-0.0229	-0.0011
Base	6947		PP	0.1342	-0.0019	1.4953	0.0022	0.0056	9.136E-06
Base	6947		CA	0.056	-0.0068	0.2613	0.0075	0.0074	2.666E-05
Base	6947		CV	0.0262	-0.0036	0.1263	0.0039	0.0037	1.466E-05
Base	6947		SX Max	1.2832	0.2063	3.7927	0.1759	0.0976	0.0007
Base	6947		SY Max	0.2689	0.6691	0.4305	0.5629	0.0144	0.0022
Base	6947		CIM1	0.2164	-0.0123	1.8649	0.0137	0.0196	0.0001
Base	6947		CIM2 Max	1.3194	0.1746	5.0942	0.1645	0.102	0.0006
Base	6947		CIM2 Min	-0.939	-0.1921	-1.581	-0.1451	-0.0701	-0.0006
Base	6947		CIM3 Max	0.4268	0.5601	2.1354	0.5051	0.0257	0.002
Base	6947		CIM3 Min	-0.0465	-0.5976	1.3777	-0.4656	0.0033	-0.0019
Base	6947		CIM4 Max	1.0567	0.126	4.356	0.1268	0.0832	0.0005
Base	6947		CIM4 Min	-0.637	-0.1469	-0.6504	-0.1034	-0.0456	-0.0004
Base	6947		CIM5 Max	0.3674	0.4302	2.1369	0.3642	0.0262	0.0015
Base	6947		CIM5 Min	0.0324	-0.453	1.5667	-0.3565	0.0092	-0.0014
Base	6947		CIM6 Max	1.2433	0.1761	4.3915	0.1606	0.0956	0.0006
Base	6947		CIM6 Min	-1.0151	-0.1666	-2.2637	-0.1469	-0.0765	-0.0006
Base	6947		CIM7 Max	0.3506	0.5636	1.4326	0.5012	0.0223	0.002
Base	6947		CIM7 Min	-0.1226	-0.5941	0.6751	-0.4695	-0.0031	-0.0019
Base	6957		PP	0.0425	-0.0039	1.4606	0.0036	0.001	-2.323E-06
Base	6957		CA	0.0126	-0.0137	0.2396	0.0124	-0.0031	-2.096E-05
Base	6957		CV	0.0029	-0.0072	0.1205	0.0065	-0.0019	-1.11E-05
Base	6957		SX Max	1.5004	0.1505	1.6256	0.1353	0.1026	0.0001
Base	6957		SY Max	0.3415	0.4451	0.5706	0.4101	0.0165	0.0004
Base	6957		CIM1	0.0562	-0.0246	1.8407	0.0227	-0.004	-3.439E-05
Base	6957		CIM2 Max	1.3757	0.1149	3.1509	0.1352	0.0882	0.0001
Base	6957		CIM2 Min	-1.265	-0.15	0.2695	-0.1026	-0.0924	-0.0001
Base	6957		CIM3 Max	0.3559	0.3741	2.2223	0.3771	0.0127	0.0003
Base	6957		CIM3 Min	-0.2452	-0.4092	1.2161	-0.3447	-0.0169	-0.0004
Base	6957		CIM4 Max	1.0477	0.0764	2.6636	0.1103	0.0642	4.935E-05
Base	6957		CIM4 Min	-0.9326	-0.1223	0.7376	-0.0662	-0.0713	-0.0001
Base	6957		CIM5 Max	0.2629	0.2706	2.1671	0.2917	0.0076	0.0002
Base	6957		CIM5 Min	-0.1679	-0.3167	1.434	-0.2496	-0.0147	-0.0003
Base	6957		CIM6 Max	1.3535	0.1219	2.4626	0.1267	0.089	0.0001
Base	6957		CIM6 Min	-1.2671	-0.143	-0.3966	-0.1093	-0.0916	-0.0001
Base	6957		CIM7 Max	0.3337	0.3811	1.5342	0.3706	0.0135	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	6957		CIM7 Min	-0.2673	-0.4022	0.53	-0.3512	-0.0161	-0.0004
Base	6963		PP	-0.0332	-0.0073	1.4761	0.0055	-0.0005	-4.95E-06
Base	6963		CA	0.0326	-0.0245	0.2245	0.0163	0.0056	-0.0001
Base	6963		CV	0.0131	-0.0129	0.1142	0.0086	0.0028	-4.104E-05
Base	6963		SX Max	1.5646	0.1304	0.2124	0.1009	0.1017	0.0003
Base	6963		SY Max	0.3722	0.2899	0.6876	0.2639	0.0167	0.0004
Base	6963		CIM1	0.0124	-0.0446	1.5146	0.0303	0.0051	-0.0001
Base	6963		CIM2 Max	1.3764	0.053	1.6675	0.1106	0.0949	0.0002
Base	6963		CIM2 Min	-1.3777	-0.1465	1.5137	-0.0671	-0.0842	-0.0004
Base	6963		CIM3 Max	0.3269	0.2234	2.4817	0.254	0.0201	0.0002
Base	6963		CIM3 Min	-0.3261	-0.2669	0.9195	-0.2104	-0.0094	-0.0004
Base	6963		CIM4 Max	1.042	0.0446	1.9264	0.0948	0.0746	0.0001
Base	6963		CIM4 Min	-1.0236	-0.1275	1.6461	-0.0364	-0.0597	-0.0003
Base	6963		CIM5 Max	0.2546	0.1499	2.3721	0.2023	0.0165	0.0001
Base	6963		CIM5 Min	-0.2365	-0.2326	1.2004	-0.146	-0.0036	-0.0004
Base	6963		CIM6 Max	1.3767	0.0957	1.2073	0.1019	0.0927	0.0002
Base	6963		CIM6 Min	-1.3774	-0.1336	0.6335	-0.0758	-0.0863	-0.0003
Base	6963		CIM7 Max	0.3271	0.2361	1.8015	0.2453	0.0179	0.0003
Base	6963		CIM7 Min	-0.3279	-0.2742	0.2392	-0.2192	-0.0115	-0.0004
Base	6969		PP	-0.1196	-0.0135	1.4864	0.0065	-0.0076	-0.0001
Base	6969		CA	-0.0127	-0.0299	0.2094	0.0142	-0.0037	-4.701E-05
Base	6969		CV	-0.0109	-0.0157	0.1071	0.0074	-0.0022	-2.455E-05
Base	6969		SX Max	1.5443	0.1207	1.4146	0.0629	0.1055	0.0004
Base	6969		SY Max	0.4204	0.1199	1.4764	0.1267	0.0172	0.0005
Base	6969		CIM1	-0.1433	-0.0591	1.803	0.0261	-0.0135	-0.0001
Base	6969		CIM2 Max	1.2266	0.0626	2.9407	0.076	0.0842	0.0003
Base	6969		CIM2 Min	-1.4913	-0.1496	0.451	-0.0346	-0.1066	-0.0005
Base	6969		CIM3 Max	0.2376	0.0621	2.9969	0.1322	0.0035	0.0003
Base	6969		CIM3 Min	-0.5023	-0.1469	0.3946	-0.0908	-0.0264	-0.0005
Base	6969		CIM4 Max	0.6787	0.0245	2.7096	0.0676	0.0567	0.0002
Base	6969		CIM4 Min	-1.1595	-0.1346	0.5426	-0.0152	-0.0846	-0.0004
Base	6969		CIM5 Max	0.1369	0.024	2.752	0.1099	-0.0016	0.0002
Base	6969		CIM5 Min	-0.416	-0.1343	0.6004	-0.0574	-0.0243	-0.0004
Base	6969		CIM6 Max	1.2796	0.0602	2.2623	0.0677	0.0867	0.0003
Base	6969		CIM6 Min	-1.4364	-0.1323	-0.2273	-0.0429	-0.1023	-0.0004
Base	6969		CIM7 Max	0.2906	0.0795	2.3165	0.1239	0.0053	0.0003
Base	6969		CIM7 Min	-0.4494	-0.1316	-0.2635	-0.0991	-0.0219	-0.0005
Base	6975		PP	0.0114	4.941E-05	1.1716	-0.0001	0.0016	0
Base	6975		CA	-0.119	-0.0001	0.1397	0.0002	-0.0035	1.289E-06
Base	6975		CV	-0.0634	-3.338E-05	0.069	2.96E-05	-0.0019	0
Base	6975		SX Max	0.6736	0.1717	2.6726	0.132	0.0756	0.0005
Base	6975		SY Max	0.0469	0.1954	0.0652	0.1671	0.0032	0.0009
Base	6975		CIM1	-0.1711	-0.0001	1.3505	0.0001	-0.0036	1.137E-06
Base	6975		CIM2 Max	0.6613	0.1511	3.6636	0.1162	0.0646	0.0004
Base	6975		CIM2 Min	-0.6767	-0.1512	-1.0405	-0.116	-0.0663	-0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-6975		CIM3 Max	-0.0664	0.1719	1.3865	0.1471	0.0011	0.0006
Base	-6975		CIM3 Min	-0.1469	-0.1721	1.2366	-0.1469	-0.0045	-0.0006
Base	-6975		CIM4 Max	0.4215	0.1132	3.1273	0.0672	0.0466	0.0003
Base	-6975		CIM4 Min	-0.732	-0.1135	-0.4006	-0.067	-0.0531	-0.0003
Base	-6975		CIM5 Max	-0.1243	0.1269	1.4195	0.1104	-0.001	0.0006
Base	-6975		CIM5 Min	-0.1662	-0.1291	1.3071	-0.1102	-0.0053	-0.0006
Base	-6975		CIM6 Max	0.7044	0.1511	3.139	0.1162	0.0655	0.0004
Base	-6975		CIM6 Min	-0.6336	-0.1512	-1.5651	-0.1161	-0.0676	-0.0004
Base	-6975		CIM7 Max	-0.0234	0.1719	0.6619	0.1471	0.0018	0.0006
Base	-6975		CIM7 Min	-0.1059	-0.172	0.712	-0.147	-0.0039	-0.0006
Base	-6965		PP	-0.0961	0.0002	1.1615	-0.0001	-0.007	6.153E-07
Base	-6965		CA	-0.1976	-0.0005	0.2216	0.0003	-0.017	-2.337E-06
Base	-6965		CV	-0.1046	-0.0002	0.1157	0.0001	-0.009	-7.374E-07
Base	-6965		SX Max	1.0061	0.0643	0.5314	0.0653	0.0633	0.0001
Base	-6965		SY Max	0.0542	0.0605	0.0661	0.0606	0.0035	0.0004
Base	-6965		CIM1	-0.3966	-0.0005	1.5169	0.0003	-0.0331	-2.459E-06
Base	-6965		CIM2 Max	0.5916	0.0736	1.6706	0.0577	0.0492	0.0001
Base	-6965		CIM2 Min	-1.1792	-0.0745	0.9355	-0.0573	-0.0974	-0.0001
Base	-6965		CIM3 Max	-0.246	0.0529	1.4613	0.0713	-0.0207	0.0003
Base	-6965		CIM3 Min	-0.3415	-0.0536	1.345	-0.0709	-0.0274	-0.0003
Base	-6965		CIM4 Max	0.2917	0.0551	1.6407	0.0434	0.0241	0.0001
Base	-6965		CIM4 Min	-1.0364	-0.0561	1.1392	-0.0428	-0.0656	-0.0001
Base	-6965		CIM5 Max	-0.3366	0.0395	1.5336	0.0536	-0.0263	0.0002
Base	-6965		CIM5 Min	-0.4062	-0.0404	1.4463	-0.0531	-0.0334	-0.0002
Base	-6965		CIM6 Max	0.7091	0.0739	1.3095	0.0576	0.0569	0.0001
Base	-6965		CIM6 Min	-1.0617	-0.0744	0.3742	-0.0574	-0.0677	-0.0001
Base	-6965		CIM7 Max	-0.1265	0.053	0.9	0.0712	-0.0111	0.0003
Base	-6965		CIM7 Min	-0.224	-0.0535	0.7837	-0.071	-0.0176	-0.0003
Base	-6995		PP	-0.0003	-0.1516	1.4659	0.0003	-0.0003	2.606E-06
Base	-6995		CA	-0.0006	0.0018	0.2194	-1.005E-05	-0.0009	7E-06
Base	-6995		CV	-0.0004	0.006	0.0864	-0.0004	-0.0005	3.79E-06
Base	-6995		SX Max	0.5367	0.1713	0.525	0.0127	0.7168	0.0029
Base	-6995		SY Max	0.0291	1.356	4.0644	0.1014	0.024	0.0002
Base	-6995		CIM1	-0.0015	-0.1436	1.6037	0.0079	-0.0016	1.34E-05
Base	-6995		CIM2 Max	0.737	0.0009	2.1673	0.0195	0.6295	0.0025
Base	-6995		CIM2 Min	-0.7391	-0.3006	1.2433	-0.0029	-0.632	-0.0025
Base	-6995		CIM3 Max	0.0245	1.0452	5.262	0.0975	0.0196	0.0002
Base	-6995		CIM3 Min	-0.0266	-1.3449	-1.8713	-0.0609	-0.0224	-0.0001
Base	-6995		CIM4 Max	0.5522	-0.0323	2.1256	0.0164	0.4714	0.0019
Base	-6995		CIM4 Min	-0.5549	-0.2584	1.4326	-0.0004	-0.4747	-0.0019
Base	-6995		CIM5 Max	0.0176	0.751	4.4616	0.0749	0.0141	0.0001
Base	-6995		CIM5 Min	-0.0205	-1.0416	-0.9034	-0.0569	-0.0175	-0.0001
Base	-6995		CIM6 Max	0.7374	0.0609	1.4552	0.0162	0.63	0.0025
Base	-6995		CIM6 Min	-0.7367	-0.2407	0.5612	-0.0062	-0.6315	-0.0025
Base	-6995		CIM7 Max	0.0249	1.1052	4.5899	0.0942	0.0203	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-8995		CIM7 Min	-0.0262	-1.265	-2.5535	-0.0843	-0.0216	-0.0001
Base	-9005		PP	-0.0001	-0.0531	1.4804	0.0041	-0.0002	0
Base	-9005		CA	-0.0003	0.0223	0.2023	-0.0012	-0.0006	0
Base	-9005		CV	-0.0002	0.0176	0.0976	-0.001	-0.0004	0
Base	-9005		SX Max	0.6024	0.2035	0.2743	0.0132	0.562	0.0005
Base	-9005		SY Max	0.0366	1.5897	2.0619	0.1044	0.0204	0.0001
Base	-9005		CIM1	-0.0005	-0.0431	1.7605	0.0016	-0.0013	0
Base	-9005		CIM2 Max	0.5297	0.1163	1.9241	0.0144	0.4937	0.0004
Base	-9005		CIM2 Min	-0.5304	-0.2396	1.4413	-0.0067	-0.4954	-0.0004
Base	-9005		CIM3 Max	0.032	1.3362	3.4971	0.0947	0.017	4.967E-05
Base	-9005		CIM3 Min	-0.0326	-1.4597	-0.1316	-0.089	-0.0166	-4.966E-05
Base	-9005		CIM4 Max	0.3971	0.0666	1.9371	0.0106	0.3696	0.0003
Base	-9005		CIM4 Min	-0.396	-0.1616	1.575	-0.0066	-0.3721	-0.0003
Base	-9005		CIM5 Max	0.0236	1.0017	3.1169	0.071	0.0123	3.72E-05
Base	-9005		CIM5 Min	-0.0246	-1.0967	0.3952	-0.0666	-0.0146	-3.73E-05
Base	-9005		CIM6 Max	0.5299	0.1426	1.251	0.0133	0.494	0.0004
Base	-9005		CIM6 Min	-0.5303	-0.2155	0.7682	-0.0099	-0.4951	-0.0004
Base	-9005		CIM7 Max	0.0322	1.3625	2.824	0.0936	0.0174	4.966E-05
Base	-9005		CIM7 Min	-0.0326	-1.4354	-0.8048	-0.0901	-0.0164	-4.966E-05
Base	-9011		PP	-3.74E-05	-0.0224	1.4969	0.0011	-0.0003	1.447E-06
Base	-9011		CA	-0.0002	0.0327	0.1766	-0.0016	-0.0005	0
Base	-9011		CV	-0.0001	0.0234	0.0905	-0.0013	-0.0003	0
Base	-9011		SX Max	0.4612	0.2195	0.1662	0.0134	0.4166	0.0004
Base	-9011		SY Max	0.0441	1.6764	0.9212	0.1055	0.0253	0.0001
Base	-9011		CIM1	-0.0004	0.0337	1.7662	-0.0016	-0.0011	1.167E-06
Base	-9011		CIM2 Max	0.4056	0.2035	1.6396	0.0113	0.3675	0.0004
Base	-9011		CIM2 Min	-0.4061	-0.1629	1.5116	-0.0124	-0.3691	-0.0004
Base	-9011		CIM3 Max	0.0366	1.4672	2.4864	0.0922	0.0214	0.0001
Base	-9011		CIM3 Min	-0.0391	-1.4667	0.6651	-0.0934	-0.023	-0.0001
Base	-9011		CIM4 Max	0.304	0.1727	1.6665	0.0074	0.2752	0.0003
Base	-9011		CIM4 Min	-0.3047	-0.1171	1.6207	-0.0104	-0.2773	-0.0003
Base	-9011		CIM5 Max	0.0266	1.1356	2.3516	0.0681	0.0157	0.0001
Base	-9011		CIM5 Min	-0.0295	-1.0799	1.1356	-0.0711	-0.0177	-0.0001
Base	-9011		CIM6 Max	0.4057	0.1994	1.1693	0.0115	0.3679	0.0004
Base	-9011		CIM6 Min	-0.406	-0.167	0.6416	-0.0122	-0.3686	-0.0004
Base	-9011		CIM7 Max	0.0367	1.4631	1.6161	0.0925	0.0216	0.0001
Base	-9011		CIM7 Min	-0.039	-1.4706	0.1946	-0.0931	-0.0227	-0.0001
Base	-9017		PP	-0.0002	0.0263	1.4975	-0.0014	-0.0005	1.054E-05
Base	-9017		CA	-0.0003	0.0342	0.1564	-0.0016	-0.0006	2.707E-06
Base	-9017		CV	-0.0002	0.0243	0.0829	-0.0013	-0.0004	1.451E-06
Base	-9017		SX Max	0.3167	0.235	0.2743	0.0136	0.2776	0.0007
Base	-9017		SY Max	0.0437	1.719	0.025	0.1072	0.0252	0.0002
Base	-9017		CIM1	-0.0007	0.0549	1.7366	-0.0045	-0.0015	1.5E-05
Base	-9017		CIM2 Max	0.2782	0.2674	1.6953	0.0066	0.2433	0.0007
Base	-9017		CIM2 Min	-0.2792	-0.1462	1.4125	-0.0152	-0.2455	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9017		CIM3 Max	0.0379	1.5733	1.6759	0.0912	0.0211	0.0002
Base	-9017		CIM3 Min	-0.0369	-1.4521	1.6319	-0.0975	-0.0233	-0.0001
Base	-9017		CIM4 Max	0.2064	0.2339	1.6971	0.0046	0.1619	0.0005
Base	-9017		CIM4 Min	-0.2097	-0.0763	1.535	-0.0132	-0.1647	-0.0005
Base	-9017		CIM5 Max	0.0262	1.2134	1.7326	0.0666	0.0153	0.0001
Base	-9017		CIM5 Min	-0.0295	-1.0557	1.6995	-0.075	-0.018	-0.0001
Base	-9017		CIM6 Max	0.2764	0.2431	1.2337	0.0101	0.2436	0.0006
Base	-9017		CIM6 Min	-0.279	-0.1705	0.751	-0.0139	-0.2451	-0.0006
Base	-9017		CIM7 Max	0.0361	1.549	1.0144	0.0924	0.0215	0.0002
Base	-9017		CIM7 Min	-0.0367	-1.4764	0.9703	-0.0963	-0.0229	-0.0002
Base	-9023		PP	-0.003	0.0736	1.4947	-0.0039	-0.0013	-3.556E-05
Base	-9023		CA	-0.0014	0.0293	0.1502	-0.0016	-0.001	-1.116E-05
Base	-9023		CV	-0.0006	0.0215	0.064	-0.0012	-0.0006	-6.111E-06
Base	-9023		SX Max	0.1722	0.2755	0.6259	0.0153	0.1419	0.0006
Base	-9023		SY Max	0.044	1.6756	0.941	0.1065	0.0165	0.0002
Base	-9023		CIM1	-0.0052	0.1244	1.7269	-0.0067	-0.0029	-0.0001
Base	-9023		CIM2 Max	0.1472	0.348	2.1956	0.0079	0.1226	0.0006
Base	-9023		CIM2 Min	-0.156	-0.1422	1.0941	-0.0169	-0.1273	-0.0007
Base	-9023		CIM3 Max	0.0344	1.5775	2.473	0.0662	0.014	0.0002
Base	-9023		CIM3 Min	-0.0432	-1.3717	0.8169	-0.0992	-0.0187	-0.0002
Base	-9023		CIM4 Max	0.1067	0.3029	2.1211	0.0037	0.0909	0.0005
Base	-9023		CIM4 Min	-0.1166	-0.0646	1.2946	-0.0165	-0.0964	-0.0006
Base	-9023		CIM5 Max	0.0241	1.225	2.329	0.0636	0.0095	0.0001
Base	-9023		CIM5 Min	-0.034	-0.9669	1.0669	-0.0767	-0.015	-0.0002
Base	-9023		CIM6 Max	0.1469	0.3069	1.5376	0.0101	0.1235	0.0006
Base	-9023		CIM6 Min	-0.1542	-0.1634	0.4361	-0.0167	-0.1263	-0.0007
Base	-9023		CIM7 Max	0.0361	1.5363	1.615	0.0904	0.0148	0.0002
Base	-9023		CIM7 Min	-0.0414	-1.4126	0.1569	-0.097	-0.0177	-0.0002
Base	-9033		PP	-0.0069	-0.1354	1.5005	0.0074	-0.0096	0.0001
Base	-9033		CA	-0.0299	0.0127	0.2573	-0.0005	-0.0324	0.0002
Base	-9033		CV	-0.0157	0.0117	0.1167	-0.0007	-0.0171	0.0001
Base	-9033		SX Max	0.5625	0.1594	0.4685	0.0116	0.7366	0.0029
Base	-9033		SY Max	0.0422	1.2916	3.9151	0.0966	0.0316	0.0002
Base	-9033		CIM1	-0.0545	-0.111	1.6765	0.0062	-0.0591	0.0004
Base	-9033		CIM2 Max	0.7205	0.0177	2.17	0.0171	0.6062	0.0026
Base	-9033		CIM2 Min	-0.7961	-0.2629	1.3455	-0.0034	-0.6902	-0.0023
Base	-9033		CIM3 Max	-0.0016	1.014	5.2057	0.0936	-0.0142	0.0005
Base	-9033		CIM3 Min	-0.0759	-1.2593	-1.6901	-0.0799	-0.0699	3.522E-05
Base	-9033		CIM4 Max	0.5169	-0.0087	2.156	0.014	0.4314	0.0022
Base	-9033		CIM4 Min	-0.62	-0.2191	1.5376	-0.0013	-0.541	-0.0016
Base	-9033		CIM5 Max	-0.0227	0.7366	4.4326	0.0714	-0.0339	0.0005
Base	-9033		CIM5 Min	-0.0765	-0.9664	-0.7391	-0.0567	-0.0757	0.0002
Base	-9033		CIM6 Max	0.736	0.0667	1.4669	0.0143	0.623	0.0027
Base	-9033		CIM6 Min	-0.7526	-0.2139	0.6424	-0.0061	-0.6734	-0.0024
Base	-9033		CIM7 Max	0.0139	1.0631	4.5026	0.0909	0.0026	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9033		CIM7 Min	-0.0604	-1.2102	-2.3932	-0.0826	-0.0531	-0.0001
Base	-9043		PP	-0.0055	-0.0566	1.4933	0.0027	-0.0074	-6.632E-06
Base	-9043		CA	-0.0163	0.0424	0.237	-0.0024	-0.0246	-2.152E-05
Base	-9043		CV	-0.0096	0.0251	0.1167	-0.0016	-0.0131	-1.131E-05
Base	-9043		SX Max	0.6333	0.193	0.2563	0.0121	0.5672	0.0005
Base	-9043		SY Max	0.0593	1.5031	1.6393	0.1002	0.0292	0.0001
Base	-9043		CIM1	-0.0334	0.0137	1.647	-0.0013	-0.0453	-3.966E-05
Base	-9043		CIM2 Max	0.5336	0.1554	1.9576	0.011	0.4846	0.0004
Base	-9043		CIM2 Min	-0.561	-0.1642	1.503	-0.0104	-0.549	-0.0005
Base	-9043		CIM3 Max	0.0285	1.3063	3.3469	0.0585	-0.0065	3.468E-05
Base	-9043		CIM3 Min	-0.076	-1.3371	0.1116	-0.0679	-0.0579	-0.0001
Base	-9043		CIM4 Max	0.387	0.134	1.9563	0.0071	0.3456	0.0003
Base	-9043		CIM4 Min	-0.4469	-0.1207	1.6473	-0.0069	-0.4296	-0.0004
Base	-9043		CIM5 Max	0.0062	0.9867	3.0317	0.0652	-0.0227	1.059E-05
Base	-9043		CIM5 Min	-0.0701	-0.9654	0.6039	-0.0671	-0.0613	-0.0001
Base	-9043		CIM6 Max	0.5431	0.1612	1.2655	0.0109	0.4975	0.0004
Base	-9043		CIM6 Min	-0.5715	-0.1765	0.6109	-0.0105	-0.5361	-0.0005
Base	-9043		CIM7 Max	0.036	1.3141	2.6567	0.0664	0.0064	4.622E-05
Base	-9043		CIM7 Min	-0.0665	-1.3314	-0.5603	-0.066	-0.0451	-0.0001
Base	-9049		PP	-0.0043	0.0136	1.5012	-0.0006	-0.0054	-5.259E-06
Base	-9049		CA	-0.0143	0.0562	0.204	-0.0026	-0.0184	-1.096E-05
Base	-9049		CV	-0.0075	0.0357	0.1046	-0.0019	-0.0097	-5.775E-06
Base	-9049		SX Max	0.5077	0.215	0.2311	0.0127	0.4502	0.0003
Base	-9049		SY Max	0.0567	1.5816	0.5565	0.102	0.0314	0.0002
Base	-9049		CIM1	-0.0261	0.1057	1.6097	-0.0054	-0.0335	-2.2E-05
Base	-9049		CIM2 Max	0.4252	0.2592	1.9065	0.0076	0.3724	0.0003
Base	-9049		CIM2 Min	-0.4653	-0.1192	1.5017	-0.0147	-0.42	-0.0003
Base	-9049		CIM3 Max	0.0314	1.4618	2.1946	0.0662	0.0036	0.0002
Base	-9049		CIM3 Min	-0.0665	-1.3218	1.2155	-0.0933	-0.0514	-0.0002
Base	-9049		CIM4 Max	0.3109	0.2367	1.9361	0.0034	0.266	0.0002
Base	-9049		CIM4 Min	-0.3593	-0.0451	1.631	-0.0133	-0.3282	-0.0002
Base	-9049		CIM5 Max	0.0132	1.1406	2.1509	0.0623	-0.0104	0.0001
Base	-9049		CIM5 Min	-0.0616	-0.947	1.4163	-0.0722	-0.0516	-0.0002
Base	-9049		CIM6 Max	0.4356	0.2312	1.2265	0.009	0.3619	0.0003
Base	-9049		CIM6 Min	-0.4579	-0.1472	0.6197	-0.0133	-0.4105	-0.0003
Base	-9049		CIM7 Max	0.0366	1.4336	1.5126	0.0676	0.0133	0.0002
Base	-9049		CIM7 Min	-0.0611	-1.3486	0.5334	-0.0919	-0.0419	-0.0002
Base	-9055		PP	-0.0027	0.0612	1.4563	-0.004	-0.0032	-1.109E-05
Base	-9055		CA	-0.0095	0.0593	0.1726	-0.0032	-0.0121	0
Base	-9055		CV	-0.005	0.0376	0.0926	-0.0021	-0.0064	0
Base	-9055		SX Max	0.3659	0.2444	0.3705	0.0134	0.3112	0.0004
Base	-9055		SY Max	0.0606	1.6294	0.5947	0.1043	0.033	0.0003
Base	-9055		CIM1	-0.0172	0.176	1.754	-0.0093	-0.0217	-1.122E-05
Base	-9055		CIM2 Max	0.3125	0.3555	1.9572	0.0045	0.2566	0.0003
Base	-9055		CIM2 Min	-0.3368	-0.0746	1.3351	-0.019	-0.2892	-0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9055		CIM3 Max	0.0412	1.5743	2.1845	0.0645	0.0137	0.0003
Base	-9055		CIM3 Min	-0.0655	-1.2934	1.1376	-0.099	-0.0443	-0.0003
Base	-9055		CIM4 Max	0.2276	0.3299	1.9753	1.631E-05	0.1653	0.0003
Base	-9055		CIM4 Min	-0.2594	0.0073	1.4662	-0.0177	-0.2255	-0.0003
Base	-9055		CIM5 Max	0.0241	1.244	2.1233	0.06	0.0017	0.0002
Base	-9055		CIM5 Min	-0.0559	-0.9066	1.3362	-0.0777	-0.0416	-0.0002
Base	-9055		CIM6 Max	0.3174	0.2993	1.3226	0.0074	0.2647	0.0004
Base	-9055		CIM6 Min	-0.3319	-0.1306	0.6706	-0.0161	-0.263	-0.0004
Base	-9055		CIM7 Max	0.0461	1.5182	1.52	0.0674	0.0196	0.0003
Base	-9055		CIM7 Min	-0.0607	-1.3496	0.4733	-0.0961	-0.0362	-0.0003
Base	-9061		PP	0.0025	0.1546	1.4934	-0.0065	-0.0002	4.511E-05
Base	-9061		CA	-0.0027	0.0461	0.1747	-0.0029	-0.0053	1.155E-05
Base	-9061		CV	-0.0014	0.0317	0.0994	-0.002	-0.0026	6.511E-06
Base	-9061		SX Max	0.1921	0.3066	0.7901	0.0152	0.1635	0.0005
Base	-9061		SY Max	0.0726	1.5865	2.0529	0.1076	0.0266	0.0004
Base	-9061		CIM1	-0.0017	0.2343	1.7674	-0.0134	-0.0083	0.0001
Base	-9061		CIM2 Max	0.1687	0.4743	2.3634	0.0019	0.1364	0.0005
Base	-9061		CIM2 Min	-0.1693	-0.0689	0.9726	-0.0246	-0.1494	-0.0004
Base	-9061		CIM3 Max	0.0637	1.6005	3.4746	0.0633	0.0197	0.0004
Base	-9061		CIM3 Min	-0.0642	-1.1952	-0.1385	-0.1062	-0.0307	-0.0003
Base	-9061		CIM4 Max	0.1254	0.4301	2.2641	-0.0029	0.1003	0.0004
Base	-9061		CIM4 Min	-0.1261	0.0227	1.2211	-0.0229	-0.1155	-0.0003
Base	-9061		CIM5 Max	0.0466	1.2745	3.0975	0.0581	0.0113	0.0003
Base	-9061		CIM5 Min	-0.0493	-0.622	0.3677	-0.064	-0.0265	-0.0002
Base	-9061		CIM6 Max	0.1666	0.3932	1.6962	0.0065	0.1406	0.0005
Base	-9061		CIM6 Min	-0.1692	-0.15	0.3055	-0.0202	-0.1472	-0.0004
Base	-9061		CIM7 Max	0.0636	1.5194	2.6074	0.0679	0.0219	0.0004
Base	-9061		CIM7 Min	-0.0641	-1.2762	-0.6057	-0.1016	-0.0265	-0.0003
Base	-9071		PP	-0.0036	0.0069	1.0302	-0.0034	0.0003	-1.501E-05
Base	-9071		CA	0.0136	0.006	0.0756	-0.0036	0.0011	9.264E-06
Base	-9071		CV	0.0056	0.0033	0.0519	-0.0021	0.0005	4.714E-06
Base	-9071		SX Max	0.3656	0.1106	1.1545	0.0656	0.0461	0.0002
Base	-9071		SY Max	0.3962	0.0652	2.4073	0.0527	0.0213	0.0002
Base	-9071		CIM1	0.0157	0.0163	1.1579	-0.0093	0.0019	-1.031E-06
Base	-9071		CIM2 Max	0.3316	0.1103	2.1221	0.0507	0.042	0.0002
Base	-9071		CIM2 Min	-0.3116	-0.0643	0.0901	-0.0651	-0.0391	-0.0002
Base	-9071		CIM3 Max	0.3567	0.0704	3.2245	0.0392	0.0202	0.0002
Base	-9071		CIM3 Min	-0.3366	-0.0444	-1.0124	-0.0536	-0.0173	-0.0002
Base	-9071		CIM4 Max	0.2556	0.0664	1.907	0.0347	0.0322	0.0001
Base	-9071		CIM4 Min	-0.227	-0.0575	0.383	-0.0522	-0.0286	-0.0002
Base	-9071		CIM5 Max	0.2756	0.0565	2.7336	0.026	0.0159	0.0001
Base	-9071		CIM5 Min	-0.2472	-0.0276	-0.4436	-0.0436	-0.0123	-0.0002
Base	-9071		CIM6 Max	0.3277	0.1051	1.6796	0.0536	0.0415	0.0002
Base	-9071		CIM6 Min	-0.3157	-0.0695	-0.3523	-0.0622	-0.0397	-0.0002
Base	-9071		CIM7 Max	0.3547	0.0652	2.7621	0.0421	0.0196	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9071		CIM7 Min	-0.3426	-0.0496	-1.4548	-0.0507	-0.0179	-0.0002
Base	-9081		PP	-0.0069	0.0021	1.0041	-0.0011	-0.0004	3.74E-06
Base	-9081		CA	-0.0276	0.0007	0.0502	-0.0004	-0.0021	7.933E-07
Base	-9081		CV	-0.0138	0.0004	0.0293	-0.0003	-0.0011	5.135E-07
Base	-9081		SX Max	0.533	0.0915	1.3944	0.0692	0.0601	0.0003
Base	-9081		SY Max	0.2046	0.0507	1.1771	0.0385	0.0147	0.0002
Base	-9081		CIM1	-0.0463	0.0032	1.0837	-0.0017	-0.0036	5.047E-06
Base	-9081		CIM2 Max	0.4346	0.0833	2.2614	0.0594	0.0504	0.0003
Base	-9081		CIM2 Min	-0.5035	-0.0777	-0.1727	-0.0624	-0.0554	-0.0003
Base	-9081		CIM3 Max	0.1456	0.0474	2.0902	0.0324	0.0105	0.0002
Base	-9081		CIM3 Min	-0.2145	-0.0416	0.0165	-0.0354	-0.0154	-0.0002
Base	-9081		CIM4 Max	0.307	0.0635	1.9966	0.044	0.0364	0.0002
Base	-9081		CIM4 Min	-0.3966	-0.0573	0.1561	-0.0473	-0.043	-0.0002
Base	-9081		CIM5 Max	0.0902	0.0366	1.8532	0.0238	0.0064	0.0001
Base	-9081		CIM5 Min	-0.1799	-0.0303	0.2995	-0.0271	-0.013	-0.0001
Base	-9081		CIM6 Max	0.4464	0.0822	1.8597	0.06	0.0514	0.0003
Base	-9081		CIM6 Min	-0.4697	-0.0769	-0.5944	-0.0616	-0.0544	-0.0003
Base	-9081		CIM7 Max	0.1584	0.0463	1.6665	0.033	0.0115	0.0002
Base	-9081		CIM7 Min	-0.2007	-0.0429	-0.4032	-0.0346	-0.0145	-0.0002
Base	-9091		PP	-0.0052	0.0105	1.7115	0.0009	-0.0027	-0.0001
Base	-9091		CA	-0.0001	-0.1406	0.261	0.0133	-0.0002	1.034E-06
Base	-9091		CV	-0.0001	-0.065	0.1536	0.0065	-0.0002	-5.026E-07
Base	-9091		SX Max	0.1279	0.5965	1.6726	0.0261	0.1326	0.001
Base	-9091		SY Max	0.1196	2.4616	0.6224	0.134	0.0665	0.0004
Base	-9091		CIM1	-0.0055	-0.1952	2.1463	0.0206	-0.0031	-0.0001
Base	-9091		CIM2 Max	0.1072	0.3965	3.4644	0.039	0.1137	0.0006
Base	-9091		CIM2 Min	-0.1179	-0.6566	0.5206	-0.0104	-0.1196	-0.001
Base	-9091		CIM3 Max	0.1001	2.0536	2.5402	0.1322	0.0574	0.0003
Base	-9091		CIM3 Min	-0.1106	-2.314	1.4446	-0.1036	-0.0632	-0.0004
Base	-9091		CIM4 Max	0.079	0.2161	3.2116	0.0377	0.0645	0.0006
Base	-9091		CIM4 Min	-0.0899	-0.5739	1.0039	0.0006	-0.0906	-0.0007
Base	-9091		CIM5 Max	0.0736	1.4569	2.5166	0.1076	0.0422	0.0002
Base	-9091		CIM5 Min	-0.0845	-1.6166	1.6971	-0.0692	-0.0453	-0.0003
Base	-9091		CIM6 Max	0.1094	0.4456	2.6674	0.0333	0.1149	0.0009
Base	-9091		CIM6 Min	-0.1156	-0.6046	-0.2764	-0.0161	-0.1164	-0.0009
Base	-9091		CIM7 Max	0.1022	2.1057	1.7432	0.1264	0.0555	0.0003
Base	-9091		CIM7 Min	-0.1066	-2.2619	0.6476	-0.1093	-0.0621	-0.0004
Base	-9101		PP	-0.0002	0.0221	1.6955	-0.0023	-0.0009	2.136E-05
Base	-9101		CA	0.0001	-0.0644	0.2499	-0.0006	-3.021E-05	1.775E-06
Base	-9101		CV	2.052E-05	-0.0236	0.1346	-0.001	-0.0001	1.191E-06
Base	-9101		SX Max	0.3143	0.5275	0.6639	0.0274	0.2631	0.0011
Base	-9101		SY Max	0.1469	2.7	0.3505	0.1588	0.1169	0.0004
Base	-9101		CIM1	-0.0002	-0.0659	2.0502	-0.0042	-0.0009	2.432E-05
Base	-9101		CIM2 Max	0.2764	0.4219	2.7056	0.021	0.2462	0.001
Base	-9101		CIM2 Min	-0.2768	-0.5065	1.1652	-0.0272	-0.25	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9101		CIM3 Max	0.1309	2.3337	2.2536	0.1366	0.102	0.0004
Base	-9101		CIM3 Min	-0.1312	-2.4183	1.6369	-0.1428	-0.1036	-0.0003
Base	-9101		CIM4 Max	0.2073	0.2662	2.6166	0.0142	0.1658	0.0006
Base	-9101		CIM4 Min	-0.2076	-0.4062	1.4763	-0.022	-0.1676	-0.0007
Base	-9101		CIM5 Max	0.0961	1.722	2.2776	0.1009	0.0762	0.0003
Base	-9101		CIM5 Min	-0.0964	-1.842	1.6152	-0.1067	-0.0781	-0.0003
Base	-9101		CIM6 Max	0.2765	0.4369	1.9274	0.0223	0.2466	0.001
Base	-9101		CIM6 Min	-0.2767	-0.4596	0.407	-0.026	-0.2496	-0.001
Base	-9101		CIM7 Max	0.1309	2.3506	1.4757	0.1378	0.1024	0.0004
Base	-9101		CIM7 Min	-0.1311	-2.4014	0.8566	-0.1416	-0.1034	-0.0004
Base	-9107		PP	9.574E-06	0.0125	1.6963	0.0001	-0.0003	2.75E-06
Base	-9107		CA	2.774E-05	-0.0571	0.2416	0.0056	3.21E-06	0
Base	-9107		CV	6.211E-06	-0.0195	0.129	0.0024	-2.368E-05	0
Base	-9107		SX Max	0.5224	0.4676	0.4994	0.0244	0.445	0.0004
Base	-9107		SY Max	0.2005	2.7207	0.1925	0.1419	0.1557	0.0002
Base	-9107		CIM1	4.552E-05	-0.0641	2.069	0.0062	-0.0003	2.957E-06
Base	-9107		CIM2 Max	0.4596	0.3647	2.3795	0.0272	0.3913	0.0004
Base	-9107		CIM2 Min	-0.4597	-0.4736	1.5005	-0.0157	-0.3916	-0.0003
Base	-9107		CIM3 Max	0.1765	2.3497	2.1094	0.1306	0.1367	0.0001
Base	-9107		CIM3 Min	-0.1764	-2.4386	1.7706	-0.1191	-0.1373	-0.0001
Base	-9107		CIM4 Max	0.3446	0.2627	2.3664	0.0236	0.2934	0.0003
Base	-9107		CIM4 Min	-0.3446	-0.3611	1.7071	-0.0066	-0.294	-0.0003
Base	-9107		CIM5 Max	0.1324	1.7365	2.1636	0.1012	0.1025	0.0001
Base	-9107		CIM5 Min	-0.1323	-1.8549	1.9097	-0.0861	-0.103	-0.0001
Base	-9107		CIM6 Max	0.4596	0.4025	1.6035	0.0249	0.3914	0.0004
Base	-9107		CIM6 Min	-0.4597	-0.456	0.7245	-0.018	-0.3917	-0.0003
Base	-9107		CIM7 Max	0.1765	2.3675	1.3334	0.1263	0.1368	0.0001
Base	-9107		CIM7 Min	-0.1764	-2.421	0.9946	-0.1214	-0.1372	-0.0001
Base	-9113		PP	3.33E-05	0.0134	1.7012	-0.0012	-0.0001	6.424E-07
Base	-9113		CA	1.566E-05	-0.0215	0.2416	-0.0009	1.166E-05	0
Base	-9113		CV	3.451E-06	-0.0001	0.1262	-0.0012	-1.552E-05	0
Base	-9113		SX Max	0.6706	0.4762	0.2577	0.027	0.5776	0.0004
Base	-9113		SY Max	0.2239	2.633	0.0679	0.164	0.1715	0.0001
Base	-9113		CIM1	0.0001	-0.0062	2.0712	-0.0033	-0.0001	7.333E-07
Base	-9113		CIM2 Max	0.5901	0.4127	2.1962	0.0216	0.5064	0.0003
Base	-9113		CIM2 Min	-0.59	-0.4289	1.6896	-0.026	-0.5065	-0.0003
Base	-9113		CIM3 Max	0.1971	2.4649	2.0204	0.1421	0.1511	0.0001
Base	-9113		CIM3 Min	-0.197	-2.5011	1.8657	-0.1465	-0.1513	-0.0001
Base	-9113		CIM4 Max	0.4426	0.3074	2.2291	0.0146	0.3812	0.0002
Base	-9113		CIM4 Min	-0.4425	-0.3236	1.5493	-0.0209	-0.3814	-0.0002
Base	-9113		CIM5 Max	0.1476	1.8616	2.0972	0.1052	0.1133	0.0001
Base	-9113		CIM5 Min	-0.1477	-1.878	1.9512	-0.1113	-0.1135	-0.0001
Base	-9113		CIM6 Max	0.5901	0.416	1.419	0.0225	0.5064	0.0003
Base	-9113		CIM6 Min	-0.5901	-0.4257	0.9126	-0.0251	-0.5065	-0.0003
Base	-9113		CIM7 Max	0.1971	2.4662	1.2432	0.143	0.1511	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9113		CIM7 Min	-0.197	-2.4979	1.0565	-0.1456	-0.1512	-0.0001
Base	-9119		PP	3.111E-05	0.0054	1.7033	0.0002	-2.614E-05	0
Base	-9119		CA	9.536E-06	-0.0276	0.2451	0.0031	1.399E-05	0
Base	-9119		CV	0	-0.0034	0.1294	0.0011	-1.28E-05	0
Base	-9119		SX Max	0.772	0.4562	0.1636	0.0239	0.661	0.0004
Base	-9119		SY Max	0.2019	2.791	0.0111	0.1466	0.1571	0.0001
Base	-9119		CIM1	4.093E-05	-0.0256	2.0776	0.0044	-2.696E-05	0
Base	-9119		CIM2 Max	0.6794	0.3609	2.0925	0.0243	0.5992	0.0003
Base	-9119		CIM2 Min	-0.6793	-0.4256	1.6043	-0.0177	-0.5993	-0.0003
Base	-9119		CIM3 Max	0.1777	2.4337	1.9562	0.1325	0.1363	0.0001
Base	-9119		CIM3 Min	-0.1777	-2.4764	1.9367	-0.1259	-0.1363	-0.0001
Base	-9119		CIM4 Max	0.5096	0.2775	2.1535	0.0199	0.4494	0.0003
Base	-9119		CIM4 Min	-0.5095	-0.3274	1.9374	-0.0117	-0.4495	-0.0003
Base	-9119		CIM5 Max	0.1333	1.8171	2.0526	0.101	0.1037	0.0001
Base	-9119		CIM5 Min	-0.1332	-1.867	2.0361	-0.0926	-0.1037	-0.0001
Base	-9119		CIM6 Max	0.6794	0.3696	1.3132	0.023	0.5992	0.0003
Base	-9119		CIM6 Min	-0.6794	-0.4167	1.0249	-0.019	-0.5992	-0.0003
Base	-9119		CIM7 Max	0.1777	2.4426	1.1766	0.1312	0.1363	0.0001
Base	-9119		CIM7 Min	-0.1777	-2.4695	1.1593	-0.1272	-0.1363	-0.0001
Base	-9125		PP	2.239E-05	0.0047	1.7042	-0.0006	-4.03E-06	0
Base	-9125		CA	6.775E-06	-0.0109	0.2462	-0.0005	1.46E-05	0
Base	-9125		CV	-1.296E-06	0.0057	0.1305	-0.0011	-1.19E-05	0
Base	-9125		SX Max	0.6553	0.4569	0.0953	0.026	0.7661	0.0005
Base	-9125		SY Max	0.1467	2.6267	0.0715	0.1613	0.1167	0.0001
Base	-9125		CIM1	2.767E-05	-0.0005	2.0629	-0.0025	-1.338E-06	0
Base	-9125		CIM2 Max	0.7527	0.3976	2.0363	0.0214	0.6742	0.0005
Base	-9125		CIM2 Min	-0.7526	-0.41	1.6665	-0.0243	-0.6742	-0.0005
Base	-9125		CIM3 Max	0.1291	2.4831	2.0153	0.1405	0.1027	0.0001
Base	-9125		CIM3 Min	-0.1291	-2.4955	1.6895	-0.1434	-0.1027	-0.0001
Base	-9125		CIM4 Max	0.5645	0.3009	2.1132	0.0149	0.5056	0.0004
Base	-9125		CIM4 Min	-0.5644	-0.3046	1.9874	-0.0194	-0.5056	-0.0004
Base	-9125		CIM5 Max	0.0968	1.865	2.0974	0.1042	0.077	0.0001
Base	-9125		CIM5 Min	-0.0968	-1.8689	2.0031	-0.1067	-0.077	-0.0001
Base	-9125		CIM6 Max	0.7526	0.4001	1.2553	0.022	0.6742	0.0005
Base	-9125		CIM6 Min	-0.7526	-0.4075	1.0576	-0.0236	-0.6742	-0.0005
Base	-9125		CIM7 Max	0.1291	2.4655	1.2343	0.1411	0.1027	0.0001
Base	-9125		CIM7 Min	-0.1291	-2.493	1.1066	-0.1426	-0.1027	-0.0001
Base	-9131		PP	1.741E-05	-0.0036	1.704	0.0005	3.562E-06	0
Base	-9131		CA	6.161E-06	-0.0227	0.2506	0.0024	1.492E-05	0
Base	-9131		CV	-1.716E-06	-0.0007	0.1314	0.0007	-1.152E-05	0
Base	-9131		SX Max	0.9393	0.4461	0.065	0.0236	0.8369	0.0004
Base	-9131		SY Max	0.0786	2.7662	0.1567	0.1475	0.0641	0.0001
Base	-9131		CIM1	2.168E-05	-0.0273	2.0563	0.0036	6.956E-06	0
Base	-9131		CIM2 Max	0.6266	0.3676	2.0121	0.0239	0.7365	0.0004
Base	-9131		CIM2 Min	-0.6266	-0.4209	1.6976	-0.0161	-0.7365	-0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9131		CIM3 Max	0.0692	2.4077	2.0945	0.1327	0.0564	0.0001
Base	-9131		CIM3 Min	-0.0691	-2.4607	1.6152	-0.1269	-0.0564	-0.0001
Base	-9131		CIM4 Max	0.62	0.2667	2.0963	0.0191	0.5524	0.0003
Base	-9131		CIM4 Min	-0.6199	-0.3226	2.0105	-0.0123	-0.5524	-0.0003
Base	-9131		CIM5 Max	0.0519	1.7966	2.1561	0.1008	0.0423	0.0001
Base	-9131		CIM5 Min	-0.0518	-1.8527	1.9467	-0.094	-0.0423	-0.0001
Base	-9131		CIM6 Max	0.6266	0.3764	1.2301	0.0227	0.7365	0.0004
Base	-9131		CIM6 Min	-0.6266	-0.4103	1.1157	-0.0192	-0.7365	-0.0004
Base	-9131		CIM7 Max	0.0692	2.4163	1.3125	0.1316	0.0564	0.0001
Base	-9131		CIM7 Min	-0.0691	-2.4501	1.0333	-0.1261	-0.0564	-0.0001
Base	-9137		PP	1.915E-05	-0.0061	1.7022	0.0001	3.747E-06	0
Base	-9137		CA	7.154E-06	-0.0166	0.2501	-0.0002	1.491E-05	0
Base	-9137		CV	-1.202E-06	0.0026	0.1306	-0.0007	-1.145E-05	0
Base	-9137		SX Max	0.9963	0.451	0.0657	0.0252	0.5766	0.0004
Base	-9137		SY Max	0.0535	2.7715	0.2515	0.1556	0.0421	0.0002
Base	-9137		CIM1	2.51E-05	-0.0221	2.063	-0.0006	7.212E-06	0
Base	-9137		CIM2 Max	0.5766	0.3721	2.0101	0.0221	0.7733	0.0004
Base	-9137		CIM2 Min	-0.5765	-0.4216	1.6846	-0.0222	-0.7733	-0.0004
Base	-9137		CIM3 Max	0.0471	2.4142	2.1737	0.137	0.0371	0.0001
Base	-9137		CIM3 Min	-0.047	-2.4636	1.731	-0.1372	-0.037	-0.0001
Base	-9137		CIM4 Max	0.6569	0.2749	2.0937	0.016	0.56	0.0003
Base	-9137		CIM4 Min	-0.6569	-0.3204	2.007	-0.0172	-0.56	-0.0003
Base	-9137		CIM5 Max	0.0353	1.8064	2.2163	0.1022	0.0278	0.0001
Base	-9137		CIM5 Min	-0.0353	-1.8519	1.8643	-0.1034	-0.0278	-0.0001
Base	-9137		CIM6 Max	0.5765	0.362	1.2292	0.0221	0.7733	0.0004
Base	-9137		CIM6 Min	-0.5765	-0.4117	1.1136	-0.0222	-0.7733	-0.0004
Base	-9137		CIM7 Max	0.0471	2.4241	1.3926	0.1371	0.0371	0.0001
Base	-9137		CIM7 Min	-0.047	-2.4537	0.9501	-0.1371	-0.037	-0.0001
Base	-9143		PP	2.657E-05	-0.0205	1.6964	0.0012	-4.739E-06	0
Base	-9143		CA	8.518E-06	-0.0329	0.2452	0.0026	1.334E-05	0
Base	-9143		CV	0	-0.0062	0.1277	0.0006	-1.229E-05	0
Base	-9143		SX Max	0.9957	0.4494	0.0941	0.0244	0.5727	0.0004
Base	-9143		SY Max	0.1116	2.7152	0.3366	0.1463	0.0666	0.0001
Base	-9143		CIM1	3.515E-05	-0.0596	2.0713	0.0046	-3.663E-06	0
Base	-9143		CIM2 Max	0.5763	0.342	2.0264	0.0253	0.768	0.0003
Base	-9143		CIM2 Min	-0.5762	-0.4489	1.6609	-0.0176	-0.768	-0.0003
Base	-9143		CIM3 Max	0.0965	2.3359	2.2416	0.1343	0.0762	0.0001
Base	-9143		CIM3 Min	-0.0964	-2.4429	1.6455	-0.1267	-0.0762	-0.0001
Base	-9143		CIM4 Max	0.6572	0.2365	2.1015	0.0205	0.576	0.0002
Base	-9143		CIM4 Min	-0.6571	-0.3547	1.9773	-0.0117	-0.576	-0.0002
Base	-9143		CIM5 Max	0.0739	1.734	2.263	0.1023	0.0572	0.0001
Base	-9143		CIM5 Min	-0.0738	-1.8501	1.8156	-0.0935	-0.0572	-0.0001
Base	-9143		CIM6 Max	0.5762	0.3634	1.2469	0.0237	0.768	0.0003
Base	-9143		CIM6 Min	-0.5762	-0.4275	1.0834	-0.0192	-0.768	-0.0003
Base	-9143		CIM7 Max	0.0964	2.3573	1.4643	0.1326	0.0762	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9143		CIM7 Min	-0.0964	-2.4215	0.868	-0.1262	-0.0762	-0.0001
Base	-9149		PP	3.41E-05	-0.0334	1.6906	0.0015	-3.347E-05	0
Base	-9149		CA	5.673E-06	-0.0353	0.2325	0.0006	7.319E-06	0
Base	-9149		CV	0	-0.0075	0.1207	-0.0002	-1.566E-05	0
Base	-9149		SX Max	0.9229	0.4595	0.1692	0.0243	0.614	0.0004
Base	-9149		SY Max	0.1699	2.6661	0.4439	0.1456	0.1314	0.0001
Base	-9149		CIM1	4.267E-05	-0.0762	2.0436	0.0021	-4.161E-05	0
Base	-9149		CIM2 Max	0.6122	0.3357	2.072	0.0237	0.7163	0.0004
Base	-9149		CIM2 Min	-0.6121	-0.473	1.7742	-0.0191	-0.7164	-0.0004
Base	-9149		CIM3 Max	0.1495	2.2792	2.3137	0.1304	0.1156	0.0001
Base	-9149		CIM3 Min	-0.1495	-2.4166	1.5325	-0.1256	-0.1156	-0.0001
Base	-9149		CIM4 Max	0.6092	0.2269	2.1253	0.0182	0.5372	0.0003
Base	-9149		CIM4 Min	-0.6091	-0.3776	1.9019	-0.0139	-0.5373	-0.0003
Base	-9149		CIM5 Max	0.1122	1.6866	2.3066	0.0962	0.0867	0.0001
Base	-9149		CIM5 Min	-0.1121	-1.6352	1.7207	-0.0939	-0.0866	-0.0001
Base	-9149		CIM6 Max	0.6122	0.3631	1.3026	0.0227	0.7163	0.0004
Base	-9149		CIM6 Min	-0.6122	-0.4456	1.0049	-0.02	-0.7164	-0.0004
Base	-9149		CIM7 Max	0.1495	2.3067	1.5445	0.1295	0.1156	0.0001
Base	-9149		CIM7 Min	-0.1495	-2.3891	0.7632	-0.1267	-0.1156	-0.0001
Base	-9155		PP	2.655E-05	-0.0564	1.677	0.0029	-0.0001	-6.212E-07
Base	-9155		CA	3.005E-06	-0.0566	0.2065	0.0037	-6.344E-06	0
Base	-9155		CV	-3.141E-06	-0.0166	0.1079	0.0013	-2.443E-05	0
Base	-9155		SX Max	0.6077	0.4972	0.3332	0.027	0.7147	0.0007
Base	-9155		SY Max	0.2006	2.632	0.5606	0.1493	0.1552	0.0001
Base	-9155		CIM1	2.641E-05	-0.1316	1.9934	0.0079	-0.0001	-7.602E-07
Base	-9155		CIM2 Max	0.7106	0.3247	2.1767	0.0304	0.6266	0.0006
Base	-9155		CIM2 Min	-0.7106	-0.5505	1.5823	-0.0172	-0.6291	-0.0006
Base	-9155		CIM3 Max	0.1766	2.2032	2.3791	0.1379	0.1365	0.0001
Base	-9155		CIM3 Min	-0.1767	-2.4291	1.392	-0.1246	-0.1367	-0.0001
Base	-9155		CIM4 Max	0.5331	0.2013	2.1663	0.0254	0.4716	0.0005
Base	-9155		CIM4 Min	-0.5331	-0.4551	1.7465	-0.0103	-0.4716	-0.0005
Base	-9155		CIM5 Max	0.1326	1.6102	2.3366	0.1061	0.1023	0.0001
Base	-9155		CIM5 Min	-0.1325	-1.664	1.5963	-0.091	-0.1026	-0.0001
Base	-9155		CIM6 Max	0.7106	0.3696	1.4245	0.0277	0.6269	0.0006
Base	-9155		CIM6 Min	-0.7106	-0.5053	0.6361	-0.0199	-0.629	-0.0006
Base	-9155		CIM7 Max	0.1767	2.2464	1.6246	0.1353	0.1365	0.0001
Base	-9155		CIM7 Min	-0.1767	-2.3839	0.6376	-0.1274	-0.1367	-0.0001
Base	-9161		PP	-5.596E-06	-0.0562	1.6553	0.0042	-0.0003	-2.723E-06
Base	-9161		CA	-2.04E-05	-0.056	0.174	0.002	-4.397E-05	0
Base	-9161		CV	-1.506E-05	-0.0197	0.0896	0.0005	-4.441E-05	0
Base	-9161		SX Max	0.6775	0.5496	0.646	0.0256	0.5651	0.0005
Base	-9161		SY Max	0.1949	2.5129	0.7466	0.1349	0.1521	0.0002
Base	-9161		CIM1	-4.407E-05	-0.1639	1.9169	0.0067	-0.0004	-3.066E-06
Base	-9161		CIM2 Max	0.5964	0.3397	2.3976	0.0269	0.5145	0.0005
Base	-9161		CIM2 Min	-0.5965	-0.6279	1.2609	-0.0165	-0.5152	-0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9161		CIM3 Max	0.1714	2.0672	2.4661	0.1249	0.1335	0.0002
Base	-9161		CIM3 Min	-0.1715	-2.3555	1.1706	-0.1125	-0.1342	-0.0002
Base	-9161		CIM4 Max	0.4473	0.2039	2.3226	0.0236	0.3656	0.0003
Base	-9161		CIM4 Min	-0.4474	-0.5216	1.4702	-0.0105	-0.3665	-0.0004
Base	-9161		CIM5 Max	0.1266	1.4996	2.3906	0.0956	0.1	0.0001
Base	-9161		CIM5 Min	-0.1266	-1.8175	1.4024	-0.0824	-0.1006	-0.0001
Base	-9161		CIM6 Max	0.5964	0.3973	1.666	0.0265	0.5147	0.0005
Base	-9161		CIM6 Min	-0.5964	-0.5703	0.5292	-0.019	-0.5151	-0.0005
Base	-9161		CIM7 Max	0.1715	2.1249	1.7563	0.1224	0.1336	0.0002
Base	-9161		CIM7 Min	-0.1715	-2.2879	0.4369	-0.115	-0.1341	-0.0002
Base	-9167		PP	-0.0003	-0.1355	1.6207	0.0066	-0.0009	-2.204E-05
Base	-9167		CA	-0.0001	-0.0692	0.1363	0.0041	-0.0001	-1.326E-06
Base	-9167		CV	-4.992E-05	-0.0256	0.0695	0.0015	-0.0001	-9.235E-07
Base	-9167		SX Max	0.4909	0.6544	1.199	0.0324	0.4159	0.0007
Base	-9167		SY Max	0.1661	2.4567	1.0756	0.1446	0.1261	0.0005
Base	-9167		CIM1	-0.0004	-0.2302	1.6265	0.0122	-0.0011	-2.429E-05
Base	-9167		CIM2 Max	0.4317	0.3712	2.6122	0.0382	0.365	0.0006
Base	-9167		CIM2 Min	-0.4324	-0.7605	0.7019	-0.0176	-0.367	-0.0006
Base	-9167		CIM3 Max	0.1456	1.9572	2.7036	0.1351	0.1098	0.0004
Base	-9167		CIM3 Min	-0.1465	-2.3665	0.8105	-0.1167	-0.112	-0.0004
Base	-9167		CIM4 Max	0.3236	0.2061	2.6005	0.0332	0.2734	0.0004
Base	-9167		CIM4 Min	-0.3244	-0.6557	1.0176	-0.0095	-0.2756	-0.0005
Base	-9167		CIM5 Max	0.1092	1.3976	2.5191	0.1074	0.0821	0.0003
Base	-9167		CIM5 Min	-0.11	-1.6452	1.0993	-0.0837	-0.0843	-0.0003
Base	-9167		CIM6 Max	0.4316	0.4531	2.1094	0.0349	0.3654	0.0006
Base	-9167		CIM6 Min	-0.4323	-0.6986	-0.0009	-0.0221	-0.3666	-0.0006
Base	-9167		CIM7 Max	0.1459	2.0391	2.0006	0.1339	0.1103	0.0004
Base	-9167		CIM7 Min	-0.1464	-2.2646	0.1077	-0.121	-0.1116	-0.0004
Base	-9173		PP	-0.0054	-0.1957	1.6205	0.0106	-0.0029	0.0001
Base	-9173		CA	-0.0006	-0.0593	0.1132	0.0027	-0.0003	6.924E-06
Base	-9173		CV	-0.0003	-0.0211	0.0561	0.0009	-0.0002	3.366E-06
Base	-9173		SX Max	0.2279	0.7606	2.389	0.0296	0.2151	0.0009
Base	-9173		SY Max	0.1473	2.2026	1.9519	0.1266	0.0806	0.0005
Base	-9173		CIM1	-0.0064	-0.2762	1.7896	0.0143	-0.0034	0.0001
Base	-9173		CIM2 Max	0.1946	0.4319	3.836	0.0396	0.1661	0.0009
Base	-9173		CIM2 Min	-0.2066	-0.942	-0.3667	-0.0127	-0.1924	-0.0007
Base	-9173		CIM3 Max	0.1236	1.6634	3.4513	0.1266	0.0677	0.0005
Base	-9173		CIM3 Min	-0.1357	-2.1935	0.016	-0.0999	-0.0741	-0.0004
Base	-9173		CIM4 Max	0.1442	0.2443	3.3525	0.0337	0.1357	0.0007
Base	-9173		CIM4 Min	-0.1567	-0.7661	0.199	-0.0056	-0.1453	-0.0005
Base	-9173		CIM5 Max	0.091	1.1529	3.064	0.0991	0.0499	0.0004
Base	-9173		CIM5 Min	-0.1035	-1.7247	0.4575	-0.071	-0.0565	-0.0003
Base	-9173		CIM6 Max	0.197	0.5339	3.1426	0.0342	0.1674	0.0006
Base	-9173		CIM6 Min	-0.2042	-0.84	-1.0622	-0.0161	-0.1912	-0.0006
Base	-9173		CIM7 Max	0.126	1.7654	2.7576	0.1214	0.069	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9173		CIM7 Min	-0.1332	-2.0915	-0.6774	-0.1053	-0.0726	-0.0004
Base	-9183		PP	0.0577	1.293E-05	1.3894	-1.935E-05	0.0035	0
Base	-9183		CA	0.0194	-5.791E-06	0.266	1.025E-05	0.0025	0
Base	-9183		CV	0.0099	1.95E-05	0.1373	-2.669E-05	0.0013	0
Base	-9183		SX Max	0.4936	0.0144	1.4063	0.0111	0.0508	4.077E-05
Base	-9183		SY Max	0.0152	0.5795	0.0365	0.5223	0.0013	0.002
Base	-9183		CIM1	0.087	2.664E-05	1.7927	-3.779E-05	0.0076	0
Base	-9183		CIM2 Max	0.5117	0.0127	2.6946	0.0096	0.051	3.563E-05
Base	-9183		CIM2 Min	-0.3575	-0.0127	0.4161	-0.0096	-0.0354	-3.592E-05
Base	-9183		CIM3 Max	0.0905	0.51	1.6893	0.4596	0.0075	0.0016
Base	-9183		CIM3 Min	0.0637	-0.51	1.6216	-0.4597	0.0051	-0.0016
Base	-9183		CIM4 Max	0.4105	0.0095	2.6879	0.0073	0.0408	2.676E-05
Base	-9183		CIM4 Min	-0.2414	-0.0095	0.6269	-0.0074	-0.0263	-2.706E-05
Base	-9183		CIM5 Max	0.0946	0.3825	1.7638	0.3447	0.0061	0.0013
Base	-9183		CIM5 Min	0.0745	-0.3825	1.733	-0.3446	0.0064	-0.0013
Base	-9183		CIM6 Max	0.4606	0.0127	2.2326	0.0096	0.0465	3.565E-05
Base	-9183		CIM6 Min	-0.3663	-0.0127	-0.2461	-0.0096	-0.041	-3.591E-05
Base	-9183		CIM7 Max	0.0596	0.51	1.0271	0.4596	0.005	0.0016
Base	-9183		CIM7 Min	0.0329	-0.51	0.9594	-0.4597	0.0026	-0.0016
Base	-9193		PP	-0.0564	1.246E-05	1.3894	-1.9E-05	-0.0037	0
Base	-9193		CA	-0.0141	-5.164E-06	0.2637	1.207E-05	-0.0022	0
Base	-9193		CV	-0.0077	1.621E-05	0.1415	-2.77E-05	-0.0012	0
Base	-9193		SX Max	0.494	0.0144	1.4064	0.0111	0.051	4.105E-05
Base	-9193		SY Max	0.0152	0.5796	0.0376	0.5224	0.0013	0.002
Base	-9193		CIM1	-0.0761	2.25E-05	1.7945	-3.463E-05	-0.0071	0
Base	-9193		CIM2 Max	0.3643	0.0127	2.6925	0.0096	0.039	3.616E-05
Base	-9193		CIM2 Min	-0.5052	-0.0127	0.4137	-0.0096	-0.0507	-3.61E-05
Base	-9193		CIM3 Max	-0.057	0.51	1.6864	0.4597	-0.0047	0.0017
Base	-9193		CIM3 Min	-0.0836	-0.51	1.6196	-0.4597	-0.007	-0.0017
Base	-9193		CIM4 Max	0.2499	0.0095	2.6857	0.0073	0.0269	2.722E-05
Base	-9193		CIM4 Min	-0.4022	-0.0095	0.6296	-0.0074	-0.0404	-2.697E-05
Base	-9193		CIM5 Max	-0.0661	0.3825	1.7641	0.3447	-0.0059	0.0013
Base	-9193		CIM5 Min	-0.0862	-0.3825	1.7342	-0.3446	-0.0076	-0.0013
Base	-9193		CIM6 Max	0.3925	0.0127	2.2313	0.0096	0.0413	3.615E-05
Base	-9193		CIM6 Min	-0.477	-0.0127	-0.2476	-0.0096	-0.0464	-3.611E-05
Base	-9193		CIM7 Max	-0.0259	0.51	1.0251	0.4597	-0.0024	0.0017
Base	-9193		CIM7 Min	-0.0556	-0.51	0.9586	-0.4597	-0.0047	-0.0017
Base	-9203		PP	-0.0046	-0.0217	1.5364	0.001	-0.0023	-4.295E-05
Base	-9203		CA	-0.0045	-0.071	0.1662	0.0036	-0.0029	-2.65E-05
Base	-9203		CV	-0.0024	-0.0291	0.0896	0.0014	-0.0015	-1.55E-05
Base	-9203		SX Max	0.1621	0.4143	0.7594	0.0206	0.175	0.0013
Base	-9203		SY Max	0.0716	2.2029	0.1566	0.129	0.0354	0.0004
Base	-9203		CIM1	-0.0115	-0.1216	1.6242	0.006	-0.0067	-0.0001
Base	-9203		CIM2 Max	0.1336	0.2719	2.3929	0.0229	0.1459	0.001
Base	-9203		CIM2 Min	-0.1517	-0.4572	1.0564	-0.0137	-0.1592	-0.0012

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9203		CIM3 Max	0.0541	1.8957	1.8624	0.1162	0.026	0.0002
Base	-9203		CIM3 Min	-0.0722	-2.054	1.5866	-0.109	-0.0363	-0.0004
Base	-9203		CIM4 Max	0.0961	0.1569	2.3005	0.0194	0.1092	0.0006
Base	-9203		CIM4 Min	-0.1179	-0.386	1.2962	-0.0061	-0.1216	-0.0009
Base	-9203		CIM5 Max	0.0365	1.379	1.9027	0.0908	0.0171	0.0002
Base	-9203		CIM5 Min	-0.0562	-1.606	1.696	-0.0795	-0.0297	-0.0003
Base	-9203		CIM6 Max	0.1372	0.309	1.703	0.021	0.151	0.0011
Base	-9203		CIM6 Min	-0.1461	-0.4202	0.3665	-0.0155	-0.1571	-0.0012
Base	-9203		CIM7 Max	0.0577	1.9356	1.1726	0.1163	0.0261	0.0003
Base	-9203		CIM7 Min	-0.0686	-2.047	0.897	-0.1108	-0.0342	-0.0004
Base	-9209		PP	-0.0005	-0.0303	1.5046	0.0013	-0.0006	1.465E-05
Base	-9209		CA	-0.0012	-0.0465	0.1128	0.0016	-0.0015	6.676E-06
Base	-9209		CV	-0.0006	-0.016	0.056	0.0004	-0.0006	3.561E-06
Base	-9209		SX Max	0.4674	0.4122	0.2467	0.0208	0.3623	0.0012
Base	-9209		SY Max	0.0652	2.334	0.4132	0.1363	0.0574	0.0003
Base	-9209		CIM1	-0.0023	-0.0927	1.6756	0.0035	-0.0031	2.509E-05
Base	-9209		CIM2 Max	0.4097	0.266	1.6347	0.0214	0.3165	0.0011
Base	-9209		CIM2 Min	-0.413	-0.4395	1.4005	-0.0153	-0.3211	-0.0011
Base	-9209		CIM3 Max	0.0734	1.9772	1.9612	0.123	0.0463	0.0003
Base	-9209		CIM3 Min	-0.0767	-2.1307	1.254	-0.1169	-0.0526	-0.0002
Base	-9209		CIM4 Max	0.3064	0.1633	1.824	0.0171	0.2362	0.0006
Base	-9209		CIM4 Min	-0.3106	-0.3606	1.4963	-0.0104	-0.242	-0.0006
Base	-9209		CIM5 Max	0.0541	1.4517	1.9336	0.0934	0.035	0.0002
Base	-9209		CIM5 Min	-0.0564	-1.6292	1.3664	-0.0866	-0.0406	-0.0002
Base	-9209		CIM6 Max	0.4103	0.3167	1.1677	0.0201	0.3174	0.0011
Base	-9209		CIM6 Min	-0.4123	-0.4086	0.7534	-0.0165	-0.3202	-0.0011
Base	-9209		CIM7 Max	0.074	2.0079	1.3342	0.1216	0.0492	0.0003
Base	-9209		CIM7 Min	-0.076	-2.1	0.607	-0.1161	-0.0519	-0.0002
Base	-9215		PP	-0.0001	-0.0495	1.4674	0.0025	-0.0002	3.575E-06
Base	-9215		CA	-0.0003	-0.0344	0.053	0.0018	-0.0007	2.371E-06
Base	-9215		CV	-0.0002	-0.0096	0.0407	0.0005	-0.0004	1.25E-06
Base	-9215		SX Max	0.6553	0.4415	0.145	0.0222	0.4974	0.0004
Base	-9215		SY Max	0.1019	2.3206	0.6196	0.1318	0.0722	0.0002
Base	-9215		CIM1	-0.0006	-0.0937	1.6111	0.0046	-0.0013	7.195E-06
Base	-9215		CIM2 Max	0.6053	0.3047	1.7006	0.0236	0.4369	0.0003
Base	-9215		CIM2 Min	-0.6061	-0.4725	1.4402	-0.0152	-0.4386	-0.0003
Base	-9215		CIM3 Max	0.0693	1.9564	2.1156	0.1203	0.0627	0.0002
Base	-9215		CIM3 Min	-0.0901	-2.1262	1.0252	-0.1117	-0.0644	-0.0002
Base	-9215		CIM4 Max	0.4536	0.2002	1.6966	0.0193	0.3271	0.0002
Base	-9215		CIM4 Min	-0.4546	-0.3627	1.5033	-0.01	-0.3295	-0.0002
Base	-9215		CIM5 Max	0.0667	1.4405	2.0096	0.0916	0.0465	0.0002
Base	-9215		CIM5 Min	-0.0676	-1.623	1.192	-0.0823	-0.0456	-0.0001
Base	-9215		CIM6 Max	0.6055	0.3362	1.0725	0.0221	0.4372	0.0003
Base	-9215		CIM6 Min	-0.606	-0.4389	0.812	-0.0169	-0.4382	-0.0003
Base	-9215		CIM7 Max	0.0694	1.992	1.4675	0.1165	0.063	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9215		CIM7 Min	-0.0699	-2.0927	0.397	-0.1134	-0.0641	-0.0002
Base	-9221		PP	3.886E-05	-0.0766	1.4694	0.0039	0.0002	4.124E-06
Base	-9221		CA	-3.702E-05	-0.0269	0.0662	0.0012	-0.0003	1.201E-06
Base	-9221		CV	-2.501E-05	-0.0061	0.031	0.0002	-0.0002	5.774E-07
Base	-9221		SX Max	0.7135	0.4934	0.5527	0.0237	0.5117	0.0004
Base	-9221		SY Max	0.1108	2.2646	0.6526	0.1312	0.0756	0.0002
Base	-9221		CIM1	-2.316E-05	-0.1097	1.5667	0.0053	-0.0002	5.902E-06
Base	-9221		CIM2 Max	0.6279	0.3306	2.024	0.0259	0.4503	0.0004
Base	-9221		CIM2 Min	-0.6279	-0.5377	1.0513	-0.0157	-0.4504	-0.0004
Base	-9221		CIM3 Max	0.0975	1.9069	2.2661	0.1205	0.0665	0.0002
Base	-9221		CIM3 Min	-0.0975	-2.114	0.7672	-0.1103	-0.0666	-0.0002
Base	-9221		CIM4 Max	0.4709	0.2175	1.9257	0.0209	0.3376	0.0003
Base	-9221		CIM4 Min	-0.4709	-0.4337	1.1962	-0.0104	-0.3379	-0.0003
Base	-9221		CIM5 Max	0.0731	1.3997	2.1237	0.0918	0.0497	0.0001
Base	-9221		CIM5 Min	-0.0732	-1.616	0.9961	-0.0813	-0.05	-0.0001
Base	-9221		CIM6 Max	0.6279	0.372	1.4069	0.0239	0.4503	0.0004
Base	-9221		CIM6 Min	-0.6279	-0.4963	0.4362	-0.0178	-0.4504	-0.0004
Base	-9221		CIM7 Max	0.0975	1.8463	1.673	0.1185	0.0665	0.0002
Base	-9221		CIM7 Min	-0.0975	-2.0726	0.1722	-0.1124	-0.0665	-0.0002
Base	-9227		PP	0.0005	-0.121	1.4437	0.0061	0.0009	1.834E-05
Base	-9227		CA	0.0001	-0.0241	0.0603	0.0014	1.316E-05	1.657E-06
Base	-9227		CV	4.604E-05	-0.0051	0.0243	0.0003	-2.91E-05	7.366E-07
Base	-9227		SX Max	0.5203	0.5653	1.1456	0.0265	0.3943	0.001
Base	-9227		SY Max	0.089	2.2201	1.1962	0.1316	0.0609	0.0003
Base	-9227		CIM1	0.0006	-0.1502	1.5262	0.0077	0.0009	2.094E-05
Base	-9227		CIM2 Max	0.4565	0.3524	2.5121	0.0306	0.3479	0.0009
Base	-9227		CIM2 Min	-0.4573	-0.6425	0.4959	-0.0159	-0.346	-0.0009
Base	-9227		CIM3 Max	0.0789	1.8066	2.5564	0.1235	0.0545	0.0003
Base	-9227		CIM3 Min	-0.0776	-2.0967	0.4495	-0.1066	-0.0526	-0.0002
Base	-9227		CIM4 Max	0.344	0.2242	2.2762	0.0251	0.2612	0.0007
Base	-9227		CIM4 Min	-0.3426	-0.522	0.7661	-0.0095	-0.2593	-0.0007
Base	-9227		CIM5 Max	0.0594	1.3164	2.313	0.0947	0.0411	0.0002
Base	-9227		CIM5 Min	-0.0561	-1.6141	0.7313	-0.0794	-0.0392	-0.0002
Base	-9227		CIM6 Max	0.4562	0.4105	1.9105	0.0276	0.3476	0.0009
Base	-9227		CIM6 Min	-0.4575	-0.5645	-0.1057	-0.0168	-0.3464	-0.0009
Base	-9227		CIM7 Max	0.0787	1.8666	1.9566	0.1205	0.0541	0.0003
Base	-9227		CIM7 Min	-0.078	-2.0407	-0.152	-0.1115	-0.053	-0.0002
Base	-9233		PP	0.0056	-0.1706	1.4559	0.0096	0.0026	-0.0001
Base	-9233		CA	0.0006	-0.019	0.0645	0.0011	0.0003	-3.739E-06
Base	-9233		CV	0.0002	-0.0036	0.0206	0.0002	0.0001	-9.834E-07
Base	-9233		SX Max	0.1956	0.6954	2.3177	0.0267	0.2027	0.0013
Base	-9233		SY Max	0.0469	2.0143	2.0516	0.1237	0.032	0.0005
Base	-9233		CIM1	0.0064	-0.1934	1.5412	0.011	0.0031	-0.0001
Base	-9233		CIM2 Max	0.1765	0.4221	3.56	0.0343	0.1614	0.0011
Base	-9233		CIM2 Min	-0.1661	-0.6016	-0.5191	-0.0126	-0.1754	-0.0012

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9233		CIM3 Max	0.0475	1.5626	3.3259	0.1196	0.0312	0.0003
Base	-9233		CIM3 Min	-0.0351	-1.9625	-0.265	-0.096	-0.0251	-0.0005
Base	-9233		CIM4 Max	0.1356	0.2664	3.0657	0.0266	0.1369	0.0006
Base	-9233		CIM4 Min	-0.1229	-0.6515	0.0063	-0.0066	-0.1307	-0.0009
Base	-9233		CIM5 Max	0.0373	1.1369	2.6901	0.0927	0.0242	0.0002
Base	-9233		CIM5 Min	-0.0247	-1.522	0.1619	-0.0707	-0.016	-0.0004
Base	-9233		CIM6 Max	0.176	0.496	2.9516	0.03	0.1502	0.0011
Base	-9233		CIM6 Min	-0.1666	-0.7256	-1.1273	-0.017	-0.1766	-0.0012
Base	-9233		CIM7 Max	0.045	1.6567	2.7177	0.1154	0.03	0.0004
Base	-9233		CIM7 Min	-0.0376	-1.6565	-0.6932	-0.1024	-0.0264	-0.0004
Base	-9243		PP	-2.646E-05	0.1715	1.465	-0.0095	-0.0001	-1.193E-06
Base	-9243		CA	-0.0002	-0.0055	0.2054	-0.0004	-0.0004	-2.431E-06
Base	-9243		CV	-0.0001	0.003	0.1265	-0.0006	-0.0002	-1.36E-06
Base	-9243		SX Max	0.6733	0.2256	0.6085	0.0155	0.5644	0.0026
Base	-9243		SY Max	0.0667	1.4979	4.2242	0.109	0.0552	0.0003
Base	-9243		CIM1	-0.0003	0.169	1.5169	-0.0105	-0.0007	-5.003E-06
Base	-9243		CIM2 Max	0.5923	0.3672	2.2259	0.0035	0.4962	0.0023
Base	-9243		CIM2 Min	-0.5927	-0.0352	1.155	-0.0238	-0.4971	-0.0023
Base	-9243		CIM3 Max	0.0603	1.4642	5.4076	0.0656	0.0507	0.0003
Base	-9243		CIM3 Min	-0.0607	-1.1522	-2.0269	-0.1061	-0.0517	-0.0003
Base	-9243		CIM4 Max	0.4441	0.3191	2.1669	-0.0004	0.3718	0.0017
Base	-9243		CIM4 Min	-0.4446	0.0173	1.3637	-0.0206	-0.3731	-0.0017
Base	-9243		CIM5 Max	0.0451	1.1569	4.5733	0.0614	0.0378	0.0002
Base	-9243		CIM5 Min	-0.0456	-0.6204	-1.0027	-0.0826	-0.0391	-0.0002
Base	-9243		CIM6 Max	0.5923	0.3006	1.5496	0.0075	0.4964	0.0023
Base	-9243		CIM6 Min	-0.5926	-0.1016	0.4766	-0.0197	-0.4969	-0.0023
Base	-9243		CIM7 Max	0.0604	1.4176	4.7316	0.0699	0.0508	0.0003
Base	-9243		CIM7 Min	-0.0606	-1.2186	-2.7031	-0.102	-0.0515	-0.0003
Base	-9253		PP	-0.0001	0.1142	1.4701	-0.0056	-0.0003	-3.061E-06
Base	-9253		CA	-0.0004	-0.0307	0.2026	0.0025	-0.0006	-3.026E-06
Base	-9253		CV	-0.0002	-0.009	0.117	0.0009	-0.0004	-1.613E-06
Base	-9253		SX Max	0.4156	0.2646	0.4301	0.0169	0.3676	0.0004
Base	-9253		SY Max	0.0461	1.7952	2.2964	0.1146	0.0372	0.0001
Base	-9253		CIM1	-0.0006	0.0745	1.7897	-0.0022	-0.0016	-7.702E-06
Base	-9253		CIM2 Max	0.3652	0.334	2.0512	0.0116	0.34	0.0003
Base	-9253		CIM2 Min	-0.3662	-0.1669	1.2943	-0.016	-0.3423	-0.0003
Base	-9253		CIM3 Max	0.04	1.6659	3.6936	0.0976	0.0316	4.615E-05
Base	-9253		CIM3 Min	-0.0411	-1.4989	-0.3482	-0.104	-0.0336	-0.0001
Base	-9253		CIM4 Max	0.2736	0.2646	2.0443	0.0057	0.2544	0.0002
Base	-9253		CIM4 Min	-0.275	-0.1111	1.4766	-0.0136	-0.2573	-0.0003
Base	-9253		CIM5 Max	0.0297	1.2635	3.2761	0.0732	0.0231	3.166E-05
Base	-9253		CIM5 Min	-0.0311	-1.1101	0.2446	-0.0761	-0.026	-4.648E-05
Base	-9253		CIM6 Max	0.3654	0.3006	1.3821	0.013	0.3404	0.0003
Base	-9253		CIM6 Min	-0.366	-0.2003	0.6252	-0.0165	-0.3416	-0.0003
Base	-9253		CIM7 Max	0.0402	1.6325	3.0245	0.099	0.032	4.659E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9253		CIM7 Min	-0.0409	-1.5323	-1.0172	-0.1027	-0.0334	-0.0001
Base	-9259		PP	-0.0004	0.0695	1.4919	-0.0035	-0.0009	-1.421E-05
Base	-9259		CA	-0.0013	-0.0269	0.1966	0.0014	-0.0016	-6.479E-06
Base	-9259		CV	-0.0007	-0.0064	0.11	0.0002	-0.0006	-3.459E-06
Base	-9259		SX Max	0.2615	0.3255	0.4962	0.0174	0.2343	0.0006
Base	-9259		SY Max	0.0669	1.9466	1.3357	0.1193	0.0363	0.0002
Base	-9259		CIM1	-0.0024	0.0362	1.7965	-0.0019	-0.0033	-2.414E-05
Base	-9259		CIM2 Max	0.2264	0.329	2.1269	0.0132	0.2036	0.0006
Base	-9259		CIM2 Min	-0.2319	-0.2439	1.2501	-0.0174	-0.2056	-0.0007
Base	-9259		CIM3 Max	0.0571	1.7575	2.6639	0.1029	0.0295	0.0002
Base	-9259		CIM3 Min	-0.0606	-1.6723	0.5131	-0.1071	-0.0344	-0.0002
Base	-9259		CIM4 Max	0.1703	0.2526	2.0996	0.0095	0.1516	0.0005
Base	-9259		CIM4 Min	-0.1749	-0.1771	1.4422	-0.0134	-0.1577	-0.0005
Base	-9259		CIM5 Max	0.0419	1.3239	2.6526	0.0768	0.0209	0.0001
Base	-9259		CIM5 Min	-0.0464	-1.2484	0.5695	-0.0807	-0.027	-0.0002
Base	-9259		CIM6 Max	0.2291	0.312	1.4515	0.014	0.2047	0.0006
Base	-9259		CIM6 Min	-0.2312	-0.2609	0.5747	-0.0166	-0.2077	-0.0007
Base	-9259		CIM7 Max	0.0576	1.7404	2.1865	0.1037	0.0305	0.0002
Base	-9259		CIM7 Min	-0.0599	-1.6694	-0.1623	-0.1063	-0.0334	-0.0002
Base	-9265		PP	-0.0045	0.0473	1.5202	-0.0023	-0.0023	4.101E-05
Base	-9265		CA	-0.0047	-0.0105	0.2295	0.001	-0.0029	3.119E-05
Base	-9265		CV	-0.0025	0.0027	0.1251	0.0001	-0.0016	1.625E-05
Base	-9265		SX Max	0.1591	0.3917	0.5537	0.0212	0.1109	0.0009
Base	-9265		SY Max	0.0755	2.0569	0.6694	0.1221	0.0306	0.0002
Base	-9265		CIM1	-0.0117	0.0395	1.6748	-0.0012	-0.0067	0.0001
Base	-9265		CIM2 Max	0.1306	0.3614	2.501	0.0174	0.0925	0.0009
Base	-9265		CIM2 Min	-0.1492	-0.306	0.9965	-0.0199	-0.1026	-0.0007
Base	-9265		CIM3 Max	0.0572	1.6465	2.3366	0.1062	0.0217	0.0002
Base	-9265		CIM3 Min	-0.0756	-1.7751	1.1607	-0.1067	-0.0321	-0.0001
Base	-9265		CIM4 Max	0.0939	0.2973	2.407	0.0128	0.0669	0.0007
Base	-9265		CIM4 Min	-0.1161	-0.2197	1.2601	-0.0152	-0.0796	-0.0005
Base	-9265		CIM5 Max	0.0367	1.3977	2.2653	0.0794	0.0138	0.0002
Base	-9265		CIM5 Min	-0.0609	-1.3201	1.4017	-0.0818	-0.0265	-4.541E-05
Base	-9265		CIM6 Max	0.1345	0.3667	1.6011	0.0179	0.0945	0.0009
Base	-9265		CIM6 Min	-0.1456	-0.3227	0.2966	-0.0194	-0.1007	-0.0006
Base	-9265		CIM7 Max	0.0609	1.6339	1.6369	0.1067	0.0235	0.0002
Base	-9265		CIM7 Min	-0.0719	-1.7696	0.4606	-0.1062	-0.03	-0.0001
Base	-9271		PP	-0.0052	0.0756	1.5624	-0.0002	-0.0027	4.799E-05
Base	-9271		CA	-0.001	-0.2059	0.3866	0.0241	-0.0005	8.852E-06
Base	-9271		CV	-0.0006	-0.1004	0.2163	0.0122	-0.0003	5.002E-06
Base	-9271		SX Max	0.1097	0.5627	1.7165	0.0294	0.1523	0.0007
Base	-9271		SY Max	0.1007	1.8404	1.9924	0.113	0.0748	0.0003
Base	-9271		CIM1	-0.0066	-0.2275	2.1873	0.036	-0.0035	0.0001
Base	-9271		CIM2 Max	0.0903	0.368	3.4832	0.0497	0.1309	0.0007
Base	-9271		CIM2 Min	-0.1026	-0.6222	0.4567	-0.0021	-0.1372	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9271		CIM3 Max	0.0624	1.4924	3.7243	0.1233	0.0627	0.0003
Base	-9271		CIM3 Min	-0.0949	-1.7466	0.2176	-0.0756	-0.069	-0.0002
Base	-9271		CIM4 Max	0.0657	0.1669	3.2674	0.0524	0.0971	0.0005
Base	-9271		CIM4 Min	-0.0791	-0.5736	0.999	0.0135	-0.104	-0.0004
Base	-9271		CIM5 Max	0.0596	1.0122	3.4462	0.1076	0.046	0.0003
Base	-9271		CIM5 Min	-0.0732	-1.4171	0.6162	-0.0416	-0.0526	-0.0001
Base	-9271		CIM6 Max	0.0926	0.4169	2.6949	0.0402	0.1322	0.0006
Base	-9271		CIM6 Min	-0.1003	-0.5714	-0.3297	-0.0116	-0.136	-0.0006
Base	-9271		CIM7 Max	0.0649	1.5433	2.9359	0.1137	0.0639	0.0003
Base	-9271		CIM7 Min	-0.0924	-1.6956	-0.5706	-0.0851	-0.0677	-0.0002
Base	-9277		PP	-0.0005	0.1748	1.5779	-0.0136	-0.0009	-2.096E-05
Base	-9277		CA	-0.0003	-0.0159	0.3804	-0.0141	-0.0003	-2.014E-06
Base	-9277		CV	-0.0002	-0.0017	0.219	-0.0079	-0.0002	-1.416E-06
Base	-9277		SX Max	0.4066	0.4297	1.2622	0.0233	0.3511	0.0023
Base	-9277		SY Max	0.1769	1.541	3.9122	0.1126	0.1441	0.0006
Base	-9277		CIM1	-0.001	0.1571	2.1772	-0.0356	-0.0014	-2.439E-05
Base	-9277		CIM2 Max	0.3569	0.5371	3.0666	-0.0072	0.3077	0.002
Base	-9277		CIM2 Min	-0.3566	-0.2193	0.6299	-0.0462	-0.3102	-0.002
Base	-9277		CIM3 Max	0.1566	1.515	5.401	0.0714	0.1256	0.0005
Base	-9277		CIM3 Min	-0.1563	-1.1972	-1.4645	-0.1268	-0.1251	-0.0006
Base	-9277		CIM4 Max	0.2673	0.4412	2.9666	-0.0162	0.2303	0.0015
Base	-9277		CIM4 Min	-0.2693	-0.126	1.2762	-0.049	-0.2331	-0.0015
Base	-9277		CIM5 Max	0.1171	1.1747	4.7046	0.0407	0.0937	0.0004
Base	-9277		CIM5 Min	-0.1191	-0.6596	-0.4596	-0.1079	-0.0965	-0.0004
Base	-9277		CIM6 Max	0.3573	0.4735	2.3033	0.0039	0.3062	0.002
Base	-9277		CIM6 Min	-0.3563	-0.2626	0.0466	-0.0371	-0.3097	-0.002
Base	-9277		CIM7 Max	0.157	1.4515	4.6177	0.0625	0.1261	0.0005
Base	-9277		CIM7 Min	-0.156	-1.2606	-2.2678	-0.1157	-0.1276	-0.0006
Base	-9287		PP	0.0119	-0.0001	0.9953	-0.0001	0.0095	9.151E-06
Base	-9287		CA	0.0206	0.0018	0.3063	-0.0007	0.0166	1.604E-05
Base	-9287		CV	0.0109	0.0004	0.1619	-0.0004	0.0087	8.444E-06
Base	-9287		SX Max	0.5716	0.017	0.0192	0.0033	0.4164	2.106E-06
Base	-9287		SY Max	0.0036	0.2092	0.1552	0.0239	0.0026	0
Base	-9287		CIM1	0.0436	0.0021	1.4636	-0.0013	0.0348	3.364E-05
Base	-9287		CIM2 Max	0.5356	0.0166	1.3166	0.0021	0.3942	2.705E-05
Base	-9287		CIM2 Min	-0.4703	-0.0132	1.2647	-0.0037	-0.3421	2.334E-05
Base	-9287		CIM3 Max	0.036	0.1656	1.4362	0.0202	0.0264	2.532E-05
Base	-9287		CIM3 Min	0.0293	-0.1624	1.1651	-0.0219	0.0236	2.507E-05
Base	-9287		CIM4 Max	0.4161	0.0132	1.4356	0.001	0.3067	3.292E-05
Base	-9287		CIM4 Min	-0.3364	-0.0092	1.4104	-0.0033	-0.2435	3.014E-05
Base	-9287		CIM5 Max	0.0434	0.1401	1.5255	0.0146	0.0343	3.162E-05
Base	-9287		CIM5 Min	0.0383	-0.1361	1.3207	-0.0169	0.0309	3.144E-05
Base	-9287		CIM6 Max	0.5226	0.016	0.7979	0.0024	0.3836	1.697E-05
Base	-9287		CIM6 Min	-0.4634	-0.0139	0.7641	-0.0034	-0.3525	1.326E-05
Base	-9287		CIM7 Max	0.0229	0.1651	0.9175	0.0205	0.0179	1.524E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9287		CIM7 Min	0.0163	-0.1631	0.6445	-0.0215	0.0133	1.5E-05
Base	-9301		PP	0.0001	0.062	1.6647	-0.003	0.0001	0
Base	-9301		CA	0.0001	0.2339	1.1769	-0.0109	0.0001	0
Base	-9301		CV	0.0001	0.1234	0.6166	-0.0059	0.0001	0
Base	-9301		SX Max	0.6444	0.0293	0.0176	0.0066	0.7205	1.203E-05
Base	-9301		SY Max	0.0056	0.4001	0.1443	0.0509	0.0046	1.129E-06
Base	-9301		CIM1	0.0003	0.4193	3.6604	-0.0197	0.0003	9.124E-07
Base	-9301		CIM2 Max	0.7433	0.3217	3.0573	-0.006	0.6343	1.127E-05
Base	-9301		CIM2 Min	-0.7426	0.2701	3.0259	-0.0197	-0.6336	-9.901E-06
Base	-9301		CIM3 Max	0.0053	0.646	3.1665	0.0309	0.0044	1.676E-06
Base	-9301		CIM3 Min	-0.0049	-0.0562	2.9146	-0.0566	-0.004	0
Base	-9301		CIM4 Max	0.5575	0.4078	3.5174	-0.0139	0.4756	8.794E-06
Base	-9301		CIM4 Min	-0.557	0.3691	3.4939	-0.0226	-0.4753	-7.064E-06
Base	-9301		CIM5 Max	0.0041	0.6525	3.6009	0.0153	0.0034	1.601E-06
Base	-9301		CIM5 Min	-0.0035	0.1243	3.4105	-0.0516	-0.0029	0
Base	-9301		CIM6 Max	0.7432	0.2034	1.6406	-0.0025	0.6342	1.1E-05
Base	-9301		CIM6 Min	-0.7429	0.1517	1.6093	-0.0141	-0.6339	-1.017E-05
Base	-9301		CIM7 Max	0.0052	0.5297	1.9519	0.0365	0.0043	1.404E-06
Base	-9301		CIM7 Min	-0.0049	-0.1746	1.696	-0.0531	-0.0041	-5.826E-07
Base	-9315		PP	0.0126	0.3164	2.6136	-0.0192	0.0057	0.0001
Base	-9315		CA	0.0056	0.0492	0.4176	-0.0029	0.0028	-1.933E-05
Base	-9315		CV	0.0046	0.023	0.4065	-0.0021	0.0024	4.195E-06
Base	-9315		SX Max	0.1365	1.0595	1.6473	0.0407	0.0634	0.001
Base	-9315		SY Max	0.1415	2.4565	3.4429	0.157	0.0646	0.0004
Base	-9315		CIM1	0.0231	0.3906	3.4396	-0.0241	0.011	0.0001
Base	-9315		CIM2 Max	0.1403	1.3002	4.461	0.0137	0.0643	0.001
Base	-9315		CIM2 Min	-0.1034	-0.5651	1.5616	-0.0579	-0.0472	-0.0006
Base	-9315		CIM3 Max	0.143	2.531	6.0611	0.1161	0.0566	0.0004
Base	-9315		CIM3 Min	-0.1061	-1.7959	0.0016	-0.1603	-0.0395	-0.0003
Base	-9315		CIM4 Max	0.1133	1.0843	4.4249	0.0032	0.0522	0.0007
Base	-9315		CIM4 Min	-0.0695	-0.3146	2.2505	-0.0505	-0.0315	-0.0006
Base	-9315		CIM5 Max	0.1153	2.0075	5.61	0.08	0.0464	0.0003
Base	-9315		CIM5 Min	-0.0715	-1.2376	1.0654	-0.1273	-0.0257	-0.0002
Base	-9315		CIM6 Max	0.133	1.1532	3.2684	0.0225	0.0609	0.0009
Base	-9315		CIM6 Min	-0.1106	-0.7121	0.3692	-0.049	-0.0507	-0.0009
Base	-9315		CIM7 Max	0.1356	2.364	4.6466	0.125	0.0532	0.0004
Base	-9315		CIM7 Min	-0.1134	-1.9429	-1.211	-0.1514	-0.0429	-0.0003
Base	-9324		PP	-0.0027	0.2339	2.53	-0.012	-0.0001	1.644E-05
Base	-9324		CA	0.0042	0.0506	0.4165	-0.0026	0.0014	1.067E-05
Base	-9324		CV	0.0019	0.0296	0.3572	-0.0016	0.0009	9.461E-07
Base	-9324		SX Max	0.1402	0.9599	0.303	0.0425	0.0626	0.0012
Base	-9324		SY Max	0.1134	2.5375	1.9586	0.1537	0.0497	0.0005
Base	-9324		CIM1	0.0035	0.3143	3.3057	-0.0163	0.0022	2.625E-05
Base	-9324		CIM2 Max	0.125	1.1295	3.2151	0.0229	0.0564	0.0011
Base	-9324		CIM2 Min	-0.1216	-0.56	2.6516	-0.052	-0.0536	-0.001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9324		CIM3 Max	0.1013	2.5177	4.6984	0.1207	0.045	0.0004
Base	-9324		CIM3 Min	-0.0962	-1.9483	1.1965	-0.1496	-0.0424	-0.0004
Base	-9324		CIM4 Max	0.0956	0.9405	3.4164	0.0122	0.0433	0.0006
Base	-9324		CIM4 Min	-0.0895	-0.3266	3.0164	-0.0439	-0.0394	-0.0007
Base	-9324		CIM5 Max	0.0776	1.9617	4.5269	0.0656	0.0348	0.0003
Base	-9324		CIM5 Min	-0.0716	-1.3676	1.9039	-0.1173	-0.0306	-0.0003
Base	-9324		CIM6 Max	0.1243	1.0156	2.0357	0.0267	0.0559	0.001
Base	-9324		CIM6 Min	-0.1224	-0.6739	1.5024	-0.0461	-0.0543	-0.001
Base	-9324		CIM7 Max	0.1007	2.4039	3.519	0.1266	0.0445	0.0004
Base	-9324		CIM7 Min	-0.0966	-2.0622	0.0191	-0.144	-0.0429	-0.0004
Base	-9329		PP	-0.0093	0.1102	2.7557	-0.0055	-0.0042	-0.0001
Base	-9329		CA	-0.012	-0.0074	0.4323	0.0001	-0.0056	-3.409E-05
Base	-9329		CV	-0.0065	0.0143	0.3546	-0.001	-0.0025	-1.667E-05
Base	-9329		SX Max	0.1993	0.2343	0.7996	0.0125	0.1675	0.0014
Base	-9329		SY Max	0.0946	2.6304	0.4046	0.1647	0.0455	0.0004
Base	-9329		CIM1	-0.0261	0.1171	3.5427	-0.0065	-0.0123	-0.0001
Base	-9329		CIM2 Max	0.1541	0.309	3.6919	0.0055	0.1376	0.0011
Base	-9329		CIM2 Min	-0.1967	-0.1034	2.4542	-0.0164	-0.1572	-0.0013
Base	-9329		CIM3 Max	0.0621	2.5935	3.5442	0.1395	0.0302	0.0002
Base	-9329		CIM3 Min	-0.1047	-2.386	2.6318	-0.1504	-0.0496	-0.0004
Base	-9329		CIM4 Max	0.1051	0.2661	3.9619	0.002	0.0959	0.0006
Base	-9329		CIM4 Min	-0.156	-0.0412	2.9261	-0.0144	-0.1222	-0.001
Base	-9329		CIM5 Max	0.0361	1.9616	3.7211	0.1025	0.0163	0.0001
Base	-9329		CIM5 Min	-0.069	-1.7546	3.1666	-0.1149	-0.0417	-0.0004
Base	-9329		CIM6 Max	0.1626	0.2679	2.6167	0.0077	0.1415	0.0011
Base	-9329		CIM6 Min	-0.1662	-0.1445	1.209	-0.0142	-0.1532	-0.0013
Base	-9329		CIM7 Max	0.0706	2.5524	2.269	0.1417	0.0341	0.0003
Base	-9329		CIM7 Min	-0.0962	-2.4291	1.5566	-0.1462	-0.0459	-0.0004
Base	-9335		PP	-0.0024	0.0395	2.6106	-0.0019	-0.002	1.416E-05
Base	-9335		CA	-0.0065	-0.0065	0.3957	0.0004	-0.0042	-1.423E-05
Base	-9335		CV	-0.0032	0.0161	0.3462	-0.0004	-0.0006	-5.292E-06
Base	-9335		SX Max	0.4627	0.2062	0.2503	0.012	0.3054	0.0011
Base	-9335		SY Max	0.0965	2.6966	0.2169	0.1644	0.0565	0.0002
Base	-9335		CIM1	-0.0125	0.0491	3.5575	-0.0019	-0.0066	-5.344E-06
Base	-9335		CIM2 Max	0.3979	0.2145	3.4296	0.009	0.2652	0.0009
Base	-9335		CIM2 Min	-0.4164	-0.1484	2.969	-0.0121	-0.2777	-0.0009
Base	-9335		CIM3 Max	0.0757	2.552	3.4019	0.1432	0.0453	0.0002
Base	-9335		CIM3 Min	-0.0942	-2.5159	3.0167	-0.1462	-0.0576	-0.0002
Base	-9335		CIM4 Max	0.2937	0.1612	3.6357	0.0061	0.1969	0.0007
Base	-9335		CIM4 Min	-0.317	-0.0909	3.3052	-0.0097	-0.2102	-0.0007
Base	-9335		CIM5 Max	0.052	1.9569	3.6149	0.1067	0.032	0.0001
Base	-9335		CIM5 Min	-0.0754	-1.8666	3.326	-0.1103	-0.0453	-0.0002
Base	-9335		CIM6 Max	0.4016	0.2012	2.1459	0.0096	0.2677	0.0009
Base	-9335		CIM6 Min	-0.4127	-0.1616	1.7053	-0.0114	-0.2752	-0.0009
Base	-9335		CIM7 Max	0.0794	2.5666	2.1162	0.1436	0.0476	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9335		CIM7 Min	-0.0905	-2.5292	1.733	-0.1456	-0.0553	-0.0002
Base	-9341		PP	-0.0005	-0.0472	2.822	0.0023	-0.0004	3.014E-06
Base	-9341		CA	-0.0019	0.0016	0.3934	-0.0003	-0.001	-6.597E-06
Base	-9341		CV	0.0013	0.034	0.3679	-0.0016	0.0032	-3.309E-06
Base	-9341		SX Max	0.5642	0.211	0.2054	0.0122	0.3751	0.0004
Base	-9341		SY Max	0.0711	2.9627	0.7396	0.1683	0.0499	0.0002
Base	-9341		CIM1	-0.0011	-0.0115	3.5833	0.0002	0.0017	-6.891E-06
Base	-9341		CIM2 Max	0.5116	0.1402	3.3962	0.0127	0.3266	0.0003
Base	-9341		CIM2 Min	-0.5165	-0.2312	3.0347	-0.0068	-0.3315	-0.0003
Base	-9341		CIM3 Max	0.0602	2.5617	3.6663	0.1501	0.0424	0.0002
Base	-9341		CIM3 Min	-0.0649	-2.6527	2.5646	-0.1461	-0.0453	-0.0002
Base	-9341		CIM4 Max	0.3642	0.1192	3.6269	0.0057	0.2464	0.0002
Base	-9341		CIM4 Min	-0.367	-0.1593	3.3556	-0.0074	-0.2466	-0.0003
Base	-9341		CIM5 Max	0.0455	1.9354	3.9795	0.1117	0.0336	0.0001
Base	-9341		CIM5 Min	-0.0463	-1.9754	3.0032	-0.1105	-0.032	-0.0001
Base	-9341		CIM6 Max	0.5127	0.1584	2.1101	0.0119	0.3292	0.0003
Base	-9341		CIM6 Min	-0.5156	-0.213	1.7465	-0.0096	-0.3309	-0.0003
Base	-9341		CIM7 Max	0.0611	2.5799	2.5601	0.1493	0.043	0.0002
Base	-9341		CIM7 Min	-0.0639	-2.6345	1.2764	-0.1469	-0.0446	-0.0002
Base	-9347		PP	0.0009	-0.14	2.7777	0.007	0.0011	2.043E-05
Base	-9347		CA	0.0025	0.0076	0.4151	0.0007	0.0027	1.27E-05
Base	-9347		CV	0.0069	0.0594	0.4406	-0.0007	0.0063	2.364E-05
Base	-9347		SX Max	0.4651	0.2397	0.2904	0.0137	0.3176	0.0009
Base	-9347		SY Max	0.0543	3.0372	1.2262	0.1716	0.0365	0.0002
Base	-9347		CIM1	0.0103	-0.073	3.6333	0.007	0.0121	0.0001
Base	-9347		CIM2 Max	0.4303	0.0766	3.4464	0.0196	0.2632	0.0009
Base	-9347		CIM2 Min	-0.4234	-0.3433	2.9372	-0.0043	-0.2757	-0.0006
Base	-9347		CIM3 Max	0.0512	2.5404	4.2736	0.1589	0.0359	0.0002
Base	-9347		CIM3 Min	-0.0444	-2.6051	2.112	-0.1435	-0.0264	-0.0002
Base	-9347		CIM4 Max	0.3267	0.0704	3.7149	0.0162	0.2196	0.0007
Base	-9347		CIM4 Min	-0.3115	-0.2461	3.3315	-0.0019	-0.1996	-0.0006
Base	-9347		CIM5 Max	0.0444	1.9167	4.3336	0.1206	0.0341	0.0002
Base	-9347		CIM5 Min	-0.0272	-2.0924	2.7126	-0.1062	-0.0141	-0.0001
Base	-9347		CIM6 Max	0.4269	0.1315	2.1713	0.0167	0.2617	0.0006
Base	-9347		CIM6 Min	-0.4248	-0.2904	1.6601	-0.0074	-0.2772	-0.0006
Base	-9347		CIM7 Max	0.0498	2.5934	2.9965	0.1556	0.0344	0.0002
Base	-9347		CIM7 Min	-0.0457	-2.7522	0.8349	-0.1466	-0.0299	-0.0002
Base	-9353		PP	0.0066	-0.2256	2.7003	0.0112	0.0034	-0.0001
Base	-9353		CA	0.0105	0.0415	0.5303	-0.0019	0.007	-0.0001
Base	-9353		CV	0.0215	0.1455	0.7161	-0.0066	0.0154	-0.0001
Base	-9353		SX Max	0.2045	0.32	0.4672	0.0172	0.1717	0.0017
Base	-9353		SY Max	0.0454	3.0995	1.7334	0.1771	0.0221	0.0002
Base	-9353		CIM1	0.0366	-0.0367	3.9466	0.0027	0.0256	-0.0003
Base	-9353		CIM2 Max	0.1973	0.0974	3.6416	0.0244	0.1614	0.0014
Base	-9353		CIM2 Min	-0.1626	-0.4657	2.6195	-0.0059	-0.1407	-0.0016

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9353		CIM3 Max	0.0573	2.5434	4.7561	0.1652	0.0296	0.0001
Base	-9353		CIM3 Min	-0.0226	-2.9117	1.7052	-0.1466	-0.0091	-0.0003
Base	-9353		CIM4 Max	0.1684	0.1362	4.0776	0.0157	0.1352	0.0009
Base	-9353		CIM4 Min	-0.1015	-0.2662	3.4609	-0.007	-0.0914	-0.0014
Base	-9353		CIM5 Max	0.0634	1.9706	4.9133	0.1212	0.0365	-0.0001
Base	-9353		CIM5 Min	0.0035	-2.1207	2.6252	-0.1126	0.0073	-0.0004
Base	-9353		CIM6 Max	0.1903	0.1711	2.3495	0.0207	0.1573	0.0014
Base	-9353		CIM6 Min	-0.1695	-0.3921	1.5272	-0.0096	-0.1449	-0.0016
Base	-9353		CIM7 Max	0.0503	2.6171	3.4636	0.1614	0.0257	0.0001
Base	-9353		CIM7 Min	-0.0295	-2.5381	0.413	-0.1503	-0.0132	-0.0003
Base	-9359		PP	-0.0064	0.3148	2.6799	-0.0161	-0.0022	-0.0001
Base	-9359		CA	-0.0014	0.0277	0.4073	-0.0021	-0.0007	-1.123E-05
Base	-9359		CV	-0.0021	0.0013	0.4293	-0.0012	-0.0015	-1.834E-05
Base	-9359		SX Max	0.1503	0.3676	0.6903	0.0144	0.0696	0.0006
Base	-9359		SY Max	0.074	1.6726	4.3531	0.1257	0.0292	0.0005
Base	-9359		CIM1	-0.0099	0.3436	3.5164	-0.0214	-0.0044	-0.0001
Base	-9359		CIM2 Max	0.1509	0.6636	3.6706	-0.0075	0.0556	0.0006
Base	-9359		CIM2 Min	-0.1665	0.0014	2.3036	-0.0326	-0.0643	-0.0006
Base	-9359		CIM3 Max	0.0573	1.9904	6.9179	0.0904	0.0226	0.0003
Base	-9359		CIM3 Min	-0.0729	-1.3054	-0.7436	-0.1307	-0.0265	-0.0005
Base	-9359		CIM4 Max	0.1096	0.5993	3.9967	-0.0116	0.0421	0.0004
Base	-9359		CIM4 Min	-0.1264	0.0676	2.6215	-0.0305	-0.0501	-0.0006
Base	-9359		CIM5 Max	0.0395	1.5794	6.2622	0.0619	0.0153	0.0002
Base	-9359		CIM5 Min	-0.0562	-0.6925	0.5361	-0.104	-0.0233	-0.0004
Base	-9359		CIM6 Max	0.154	0.5466	2.6356	0.0005	0.0597	0.0007
Base	-9359		CIM6 Min	-0.1634	-0.1356	1.0666	-0.0247	-0.0631	-0.0007
Base	-9359		CIM7 Max	0.0604	1.6534	5.663	0.0965	0.024	0.0004
Base	-9359		CIM7 Min	-0.0696	-1.4424	-1.9785	-0.1227	-0.0274	-0.0004
Base	-9364		PP	0.0046	0.1964	2.5992	-0.01	0.0015	-3.03E-05
Base	-9364		CA	0.0019	0.0221	0.3754	-0.0012	0.0007	-1.204E-05
Base	-9364		CV	0.0012	0.006	0.3426	-0.0007	-1.53E-05	-2.205E-06
Base	-9364		SX Max	0.1502	0.4206	1.3633	0.0191	0.0676	0.0013
Base	-9364		SY Max	0.0646	1.9353	2.5633	0.1215	0.027	0.0005
Base	-9364		CIM1	0.0079	0.2244	3.3174	-0.0119	0.0022	-4.455E-05
Base	-9364		CIM2 Max	0.139	0.5656	4.1743	0.0056	0.0617	0.0011
Base	-9364		CIM2 Min	-0.1255	-0.1516	1.7749	-0.026	-0.0572	-0.0011
Base	-9364		CIM3 Max	0.0636	1.9215	5.2479	0.0957	0.026	0.0004
Base	-9364		CIM3 Min	-0.0501	-1.4646	0.7013	-0.1162	-0.0216	-0.0005
Base	-9364		CIM4 Max	0.1066	0.5005	4.1315	0.0009	0.0466	0.0006
Base	-9364		CIM4 Min	-0.0915	-0.0546	2.3319	-0.0243	-0.0424	-0.0009
Base	-9364		CIM5 Max	0.0503	1.5002	4.9367	0.0665	0.0201	0.0003
Base	-9364		CIM5 Min	-0.035	-1.0544	1.5267	-0.0919	-0.0156	-0.0004
Base	-9364		CIM6 Max	0.1363	0.5012	2.9645	0.0101	0.0606	0.0011
Base	-9364		CIM6 Min	-0.1262	-0.239	0.565	-0.0235	-0.0561	-0.0011
Base	-9364		CIM7 Max	0.0609	1.6342	4.056	0.1002	0.0251	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9364		CIM7 Min	-0.0526	-1.572	-0.4665	-0.1137	-0.0225	-0.0004
Base	-9369		PP	0.0056	0.0923	2.7791	-0.0047	0.0025	0.0001
Base	-9369		CA	0.0023	-0.0029	0.3755	7.524E-06	0.0009	1.63E-05
Base	-9369		CV	0.0016	0.0153	0.321	-0.001	2.352E-05	6.305E-06
Base	-9369		SX Max	0.1963	0.4761	1.3254	0.022	0.1669	0.0014
Base	-9369		SY Max	0.0619	2.3111	0.6679	0.1365	0.0296	0.0004
Base	-9369		CIM1	0.0097	0.1047	3.4756	-0.0057	0.0035	0.0001
Base	-9369		CIM2 Max	0.1625	0.5102	4.3209	0.0146	0.1503	0.0013
Base	-9369		CIM2 Min	-0.1664	-0.3313	1.9682	-0.0241	-0.1434	-0.0011
Base	-9369		CIM3 Max	0.0625	2.1232	3.7423	0.1154	0.0295	0.0005
Base	-9369		CIM3 Min	-0.0464	-1.9443	2.5666	-0.1246	-0.0226	-0.0003
Base	-9369		CIM4 Max	0.1401	0.4165	4.2701	0.009	0.1136	0.001
Base	-9369		CIM4 Min	-0.1216	-0.2147	2.5205	-0.02	-0.1067	-0.0006
Base	-9369		CIM5 Max	0.0501	1.6262	3.6361	0.0646	0.023	0.0004
Base	-9369		CIM5 Min	-0.0316	-1.4244	2.9545	-0.0956	-0.0161	-0.0002
Base	-9369		CIM6 Max	0.1793	0.4744	3.0591	0.0165	0.1469	0.0012
Base	-9369		CIM6 Min	-0.1697	-0.3671	0.7264	-0.0222	-0.1446	-0.0011
Base	-9369		CIM7 Max	0.0593	2.0674	2.4605	0.1173	0.0281	0.0004
Base	-9369		CIM7 Min	-0.0496	-1.9601	1.305	-0.1229	-0.024	-0.0003
Base	-9375		PP	0.0001	0.0259	2.8305	-0.0012	0.0004	-2.245E-05
Base	-9375		CA	0.0004	-0.0024	0.3643	0.0003	-0.0002	-7.732E-06
Base	-9375		CV	-0.0001	0.0166	0.3263	-0.0005	-0.0015	-5.149E-06
Base	-9375		SX Max	0.4565	0.3501	0.611	0.0142	0.3065	0.001
Base	-9375		SY Max	0.0656	2.4004	0.069	0.1379	0.0376	0.0002
Base	-9375		CIM1	0.0004	0.0402	3.5211	-0.0015	-0.0012	-3.533E-05
Base	-9375		CIM2 Max	0.404	0.3315	3.7324	0.0115	0.27	0.0009
Base	-9375		CIM2 Min	-0.403	-0.2646	2.6571	-0.0135	-0.2694	-0.0009
Base	-9375		CIM3 Max	0.0582	2.1356	3.2731	0.1204	0.0334	0.0001
Base	-9375		CIM3 Min	-0.0572	-2.0589	3.1164	-0.1223	-0.0326	-0.0002
Base	-9375		CIM4 Max	0.303	0.2671	3.6426	0.006	0.2014	0.0006
Base	-9375		CIM4 Min	-0.3022	-0.195	3.0363	-0.0107	-0.2031	-0.0007
Base	-9375		CIM5 Max	0.0437	1.6203	3.4963	0.0697	0.024	0.0001
Base	-9375		CIM5 Min	-0.0426	-1.5462	3.3507	-0.0924	-0.0257	-0.0002
Base	-9375		CIM6 Max	0.4036	0.3221	2.4545	0.0119	0.2699	0.0009
Base	-9375		CIM6 Min	-0.4032	-0.294	1.3792	-0.0131	-0.2696	-0.0009
Base	-9375		CIM7 Max	0.056	2.1264	1.9952	0.1206	0.0333	0.0002
Base	-9375		CIM7 Min	-0.0574	-2.0983	1.8385	-0.122	-0.0329	-0.0002
Base	-9381		PP	-0.0004	-0.0585	2.8373	0.0029	-0.0005	-5.475E-06
Base	-9381		CA	-0.0006	0.0011	0.3709	-0.0001	-0.0015	-1.217E-06
Base	-9381		CV	-0.0023	0.03	0.3497	-0.0015	-0.004	-6.416E-07
Base	-9381		SX Max	0.5754	0.2607	0.3233	0.0137	0.3712	0.0003
Base	-9381		SY Max	0.0456	2.4941	0.6014	0.143	0.031	0.0002
Base	-9381		CIM1	-0.0035	-0.0274	3.5579	0.0012	-0.006	-7.334E-06
Base	-9381		CIM2 Max	0.5052	0.1696	3.4926	0.0149	0.3246	0.0003
Base	-9381		CIM2 Min	-0.5076	-0.3043	2.9237	-0.0093	-0.3266	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9361		CIM3 Max	0.0369	2.1374	3.7375	0.1266	0.0253	0.0002
Base	-9361		CIM3 Min	-0.0413	-2.2522	2.679	-0.123	-0.0293	-0.0002
Base	-9361		CIM4 Max	0.3766	0.1504	3.6639	0.0107	0.24	0.0002
Base	-9361		CIM4 Min	-0.3827	-0.2201	3.2571	-0.0074	-0.25	-0.0002
Base	-9361		CIM5 Max	0.0272	1.6112	3.6674	0.096	0.0155	0.0001
Base	-9361		CIM5 Min	-0.0331	-1.661	3.0736	-0.0927	-0.0255	-0.0002
Base	-9361		CIM6 Max	0.5057	0.2126	2.2095	0.0136	0.3254	0.0003
Base	-9361		CIM6 Min	-0.5071	-0.2614	1.6404	-0.0104	-0.3276	-0.0003
Base	-9361		CIM7 Max	0.0394	2.1604	2.4542	0.1275	0.0261	0.0002
Base	-9361		CIM7 Min	-0.0409	-2.2292	1.3957	-0.1242	-0.0255	-0.0002
Base	-9367		PP	-0.0011	-0.1494	2.7666	0.0075	-0.0015	-1.97E-05
Base	-9367		CA	-0.0027	0.0031	0.3961	0.0006	-0.0034	-1.001E-05
Base	-9367		CV	-0.0062	0.0495	0.4167	-0.0005	-0.0077	-1.956E-05
Base	-9367		SX Max	0.475	0.2311	0.2425	0.0106	0.3135	0.0009
Base	-9367		SY Max	0.0435	2.602	1.1342	0.1483	0.0259	0.0002
Base	-9367		CIM1	-0.01	-0.0966	3.6035	0.0077	-0.0126	-4.926E-05
Base	-9367		CIM2 Max	0.4142	0.0571	3.4003	0.0176	0.271	0.0006
Base	-9367		CIM2 Min	-0.4216	-0.3497	2.9734	-0.0013	-0.2607	-0.0006
Base	-9367		CIM3 Max	0.0344	2.1435	4.165	0.1367	0.0179	0.0002
Base	-9367		CIM3 Min	-0.0421	-2.436	2.1667	-0.1222	-0.0276	-0.0002
Base	-9367		CIM4 Max	0.3051	0.0434	3.6594	0.015	0.1963	0.0006
Base	-9367		CIM4 Min	-0.322	-0.2617	3.3393	0.0007	-0.2175	-0.0007
Base	-9367		CIM5 Max	0.0202	1.6062	4.246	0.1057	0.0064	0.0001
Base	-9367		CIM5 Min	-0.0372	-1.6265	2.7507	-0.09	-0.0277	-0.0002
Base	-9367		CIM6 Max	0.4156	0.1156	2.1255	0.0145	0.273	0.0006
Base	-9367		CIM6 Min	-0.4203	-0.2912	1.6967	-0.0046	-0.2766	-0.0006
Base	-9367		CIM7 Max	0.036	2.202	2.9102	0.1354	0.0198	0.0002
Base	-9367		CIM7 Min	-0.0405	-2.3775	0.914	-0.1255	-0.0257	-0.0002
Base	-9393		PP	-0.0066	-0.2349	2.7062	0.0117	-0.0034	0.0001
Base	-9393		CA	-0.009	0.0262	0.5031	-0.0011	-0.0063	0.0001
Base	-9393		CV	-0.0164	0.1192	0.6566	-0.0053	-0.0134	0.0001
Base	-9393		SX Max	0.2047	0.2626	0.3649	0.0144	0.1703	0.0016
Base	-9393		SY Max	0.0474	2.7027	1.659	0.1551	0.02	0.0002
Base	-9393		CIM1	-0.034	-0.0575	3.6661	0.0053	-0.0231	0.0002
Base	-9393		CIM2 Max	0.1645	0.042	3.5304	0.0232	0.1401	0.0016
Base	-9393		CIM2 Min	-0.1956	-0.4553	2.8562	-0.0021	-0.1596	-0.0013
Base	-9393		CIM3 Max	0.026	2.1717	4.6692	0.147	0.0079	0.0003
Base	-9393		CIM3 Min	-0.0574	-2.5651	1.7494	-0.126	-0.0274	-0.0001
Base	-9393		CIM4 Max	0.1057	0.0692	3.9427	0.0161	0.0926	0.0013
Base	-9393		CIM4 Min	-0.1646	-0.3037	3.461	-0.0029	-0.1322	-0.0009
Base	-9393		CIM5 Max	0.0016	1.6665	4.7966	0.109	-0.0066	0.0004
Base	-9393		CIM5 Min	-0.0607	-1.9011	2.6069	-0.0958	-0.033	4.566E-05
Base	-9393		CIM6 Max	0.1706	0.1246	2.2467	0.019	0.144	0.0015
Base	-9393		CIM6 Min	-0.1696	-0.3727	1.6045	-0.0064	-0.1557	-0.0014
Base	-9393		CIM7 Max	0.0323	2.2544	3.3655	0.1426	0.0116	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9393		CIM7 Min	-0.0511	-2.5024	0.4657	-0.1302	-0.0235	-0.0001
Base	-9399		PP	0.0086	0.3133	3.025	-0.0184	0.0036	0.0001
Base	-9399		CA	0.0057	-0.0386	0.6434	-0.0004	0.004	3.529E-05
Base	-9399		CV	0.0096	-0.0317	1.2659	-0.0025	0.0071	0.0001
Base	-9399		SX Max	0.2027	0.6675	0.4646	0.0333	0.1442	0.0012
Base	-9399		SY Max	0.1353	1.6301	3.6425	0.1244	0.0652	0.0005
Base	-9399		CIM1	0.0241	0.243	5.1543	-0.0213	0.0149	0.0002
Base	-9399		CIM2 Max	0.1926	0.8621	4.2946	0.0105	0.1347	0.0012
Base	-9399		CIM2 Min	-0.1641	-0.3127	3.4419	-0.0451	-0.1191	-0.0009
Base	-9399		CIM3 Max	0.1334	1.8652	7.0736	0.0907	0.0652	0.0005
Base	-9399		CIM3 Min	-0.1046	-1.3356	0.663	-0.1263	-0.0496	-0.0003
Base	-9399		CIM4 Max	0.1554	0.6914	5.1527	0.0013	0.1063	0.001
Base	-9399		CIM4 Min	-0.1121	-0.1696	4.513	-0.0427	-0.052	-0.0006
Base	-9399		CIM5 Max	0.1109	1.4566	7.2369	0.0614	0.0562	0.0005
Base	-9399		CIM5 Min	-0.0677	-0.957	2.4266	-0.1026	-0.0299	-0.0001
Base	-9399		CIM6 Max	0.1669	0.7522	2.7475	0.016	0.1316	0.0011
Base	-9399		CIM6 Min	-0.1696	-0.4226	1.6946	-0.0406	-0.1222	-0.001
Base	-9399		CIM7 Max	0.1277	1.7753	5.5264	0.0982	0.0621	0.0005
Base	-9399		CIM7 Min	-0.1105	-1.4457	-0.8644	-0.1207	-0.0527	-0.0003
Base	-9404		PP	0.0006	0.132	2.975	-0.0063	0.0009	-3.274E-05
Base	-9404		CA	0.0006	-0.0461	0.6732	0.0021	0.0017	-2.047E-05
Base	-9404		CV	0.0016	-0.016	1.0192	0.0002	0.0034	-3.513E-05
Base	-9404		SX Max	0.366	0.6601	0.7046	0.032	0.2315	0.0006
Base	-9404		SY Max	0.1562	1.6032	1.6864	0.1142	0.0676	0.0003
Base	-9404		CIM1	0.0032	0.0659	4.6674	-0.004	0.006	-0.0001
Base	-9404		CIM2 Max	0.3235	0.6646	4.2662	0.024	0.2063	0.0006
Base	-9404		CIM2 Min	-0.3207	-0.4969	3.0262	-0.0324	-0.2011	-0.0006
Base	-9404		CIM3 Max	0.1366	1.6707	5.31	0.0963	0.0796	0.0002
Base	-9404		CIM3 Min	-0.136	-1.5029	1.9664	-0.1047	-0.0746	-0.0003
Base	-9404		CIM4 Max	0.2443	0.506	4.6776	0.0171	0.158	0.0004
Base	-9404		CIM4 Min	-0.2356	-0.3652	3.9476	-0.0252	-0.1476	-0.0006
Base	-9404		CIM5 Max	0.1056	1.2605	5.6569	0.0713	0.0631	0.0001
Base	-9404		CIM5 Min	-0.1003	-1.1197	3.1663	-0.0794	-0.0526	-0.0003
Base	-9404		CIM6 Max	0.3229	0.6312	2.6069	0.0257	0.2053	0.0007
Base	-9404		CIM6 Min	-0.3212	-0.5305	1.5669	-0.0307	-0.2022	-0.0007
Base	-9404		CIM7 Max	0.1363	1.6371	3.6507	0.0979	0.0766	0.0002
Base	-9404		CIM7 Min	-0.1366	-1.5364	0.5272	-0.103	-0.0757	-0.0003
Base	-9409		PP	-0.0009	-0.0342	2.969	0.0015	-0.0011	-2.011E-05
Base	-9409		CA	0.0002	-0.0634	0.5955	0.0024	0.0006	-9.569E-07
Base	-9409		CV	0.0006	-0.0257	0.9345	0.0002	0.002	0
Base	-9409		SX Max	0.3166	0.6275	1.1656	0.0285	0.2121	0.0012
Base	-9409		SY Max	0.1062	1.7455	0.5552	0.1057	0.0669	0.0003
Base	-9409		CIM1	0.0001	-0.1262	4.499	0.004	0.0016	-2.101E-05
Base	-9409		CIM2 Max	0.2797	0.4547	4.6079	0.0269	0.1864	0.001
Base	-9409		CIM2 Min	-0.2611	-0.6496	2.5212	-0.0212	-0.1666	-0.0011

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9409		CIM3 Max	0.0945	1.4411	4.0531	0.0995	0.0604	0.0003
Base	-9409		CIM3 Min	-0.0959	-1.6362	3.0759	-0.0916	-0.0609	-0.0003
Base	-9409		CIM4 Max	0.2102	0.2951	5.0479	0.0226	0.1412	0.0006
Base	-9409		CIM4 Min	-0.2104	-0.5332	3.4529	-0.0146	-0.1357	-0.0006
Base	-9409		CIM5 Max	0.0713	1.0349	4.6316	0.0757	0.0468	0.0002
Base	-9409		CIM5 Min	-0.0715	-1.273	3.6969	-0.0676	-0.0442	-0.0002
Base	-9409		CIM6 Max	0.26	0.4937	3.1621	0.0274	0.1865	0.0011
Base	-9409		CIM6 Min	-0.2606	-0.6107	1.0954	-0.0227	-0.1666	-0.0011
Base	-9409		CIM7 Max	0.0946	1.4601	2.6273	0.096	0.0605	0.0003
Base	-9409		CIM7 Min	-0.0956	-1.5972	1.6501	-0.0933	-0.0606	-0.0003
Base	-9414		PP	-0.0073	-0.1714	2.9695	0.0103	-0.0037	0.0001
Base	-9414		CA	-0.0007	-0.0619	0.5473	0.0047	0.0002	4.462E-06
Base	-9414		CV	-0.0005	-0.0649	0.5954	0.0035	0.0011	5.196E-06
Base	-9414		SX Max	0.1076	0.5566	1.7666	0.0313	0.1115	0.0011
Base	-9414		SY Max	0.0332	1.5926	0.9161	0.1194	0.0311	0.0005
Base	-9414		CIM1	-0.0064	-0.3162	4.4323	0.0184	-0.0024	0.0001
Base	-9414		CIM2 Max	0.0667	0.2363	5.1106	0.0425	0.0946	0.001
Base	-9414		CIM2 Min	-0.1026	-0.7449	1.963	-0.0126	-0.1017	-0.0009
Base	-9414		CIM3 Max	0.0213	1.1464	4.3446	0.1201	0.0236	0.0005
Base	-9414		CIM3 Min	-0.0372	-1.655	2.7269	-0.0902	-0.0309	-0.0004
Base	-9414		CIM4 Max	0.0627	0.0667	5.3669	0.0362	0.0709	0.0006
Base	-9414		CIM4 Min	-0.0793	-0.6707	3.026	-0.0031	-0.0763	-0.0007
Base	-9414		CIM5 Max	0.0136	0.7493	4.6144	0.0964	0.0178	0.0004
Base	-9414		CIM5 Min	-0.0302	-1.3533	3.6025	-0.0613	-0.0232	-0.0002
Base	-9414		CIM6 Max	0.0699	0.3396	3.6961	0.0365	0.096	0.001
Base	-9414		CIM6 Min	-0.0894	-0.6436	0.5462	-0.0165	-0.1003	-0.0009
Base	-9414		CIM7 Max	0.0245	1.2497	2.9301	0.1141	0.0252	0.0005
Base	-9414		CIM7 Min	-0.034	-1.5537	1.3142	-0.0961	-0.0294	-0.0004
Base	-9419		PP	0.0074	-0.1741	2.9616	0.0104	0.0036	-0.0001
Base	-9419		CA	0.0007	-0.0907	0.5323	0.0052	-0.0002	-4.416E-06
Base	-9419		CV	0.0005	-0.0736	0.5635	0.004	-0.0011	-5.48E-06
Base	-9419		SX Max	0.1069	0.4636	1.8519	0.0261	0.1122	0.0011
Base	-9419		SY Max	0.0243	1.5465	0.9203	0.1164	0.0287	0.0005
Base	-9419		CIM1	0.0066	-0.3364	4.3976	0.0197	0.0025	-0.0001
Base	-9419		CIM2 Max	0.1021	0.1607	5.1436	0.0387	0.1023	0.0009
Base	-9419		CIM2 Min	-0.066	-0.6904	1.8845	-0.0073	-0.0951	-0.001
Base	-9419		CIM3 Max	0.0254	1.0961	4.324	0.1161	0.0269	0.0004
Base	-9419		CIM3 Min	-0.0134	-1.6256	2.7043	-0.0866	-0.0217	-0.0005
Base	-9419		CIM4 Max	0.079	-0.0009	5.399	0.0359	0.0766	0.0007
Base	-9419		CIM4 Min	-0.0621	-0.6392	2.9545	0.0014	-0.0712	-0.0006
Base	-9419		CIM5 Max	0.0245	0.7007	4.7641	0.0955	0.0218	0.0003
Base	-9419		CIM5 Min	-0.0076	-1.3407	3.5693	-0.0561	-0.0162	-0.0004
Base	-9419		CIM6 Max	0.0989	0.2667	3.7361	0.0324	0.1009	0.0009
Base	-9419		CIM6 Min	-0.0892	-0.5645	0.4766	-0.0136	-0.0965	-0.001
Base	-9419		CIM7 Max	0.0262	1.202	2.9163	0.1116	0.0275	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9419		CIM7 Min	-0.0166	-1.5196	1.2966	-0.093	-0.0231	-0.0005
Base	-9424		PP	0.001	-0.0362	2.9619	0.0017	0.0011	2.03E-05
Base	-9424		CA	-0.0002	-0.0735	0.5636	0.0029	-0.0006	1.018E-06
Base	-9424		CV	-0.0006	-0.0383	0.9275	0.0007	-0.002	0
Base	-9424		SX Max	0.3221	0.5437	1.2307	0.0239	0.2143	0.0012
Base	-9424		SY Max	0.1067	1.6961	0.552	0.106	0.066	0.0003
Base	-9424		CIM1	-2.435E-05	-0.15	4.4732	0.0053	-0.0017	2.139E-05
Base	-9424		CIM2 Max	0.2642	0.3666	4.6267	0.0257	0.1669	0.0011
Base	-9424		CIM2 Min	-0.2627	-0.5902	2.4627	-0.0164	-0.1653	-0.0011
Base	-9424		CIM3 Max	0.0946	1.3626	4.0314	0.0979	0.0602	0.0003
Base	-9424		CIM3 Min	-0.0931	-1.606	3.0599	-0.0667	-0.0595	-0.0003
Base	-9424		CIM4 Max	0.2126	0.2164	5.0536	0.0209	0.1403	0.0006
Base	-9424		CIM4 Min	-0.2124	-0.4993	3.4291	-0.0106	-0.1426	-0.0006
Base	-9424		CIM5 Max	0.0706	0.9603	4.6056	0.0751	0.0437	0.0002
Base	-9424		CIM5 Min	-0.0702	-1.2611	3.877	-0.0649	-0.0461	-0.0002
Base	-9424		CIM6 Max	0.2639	0.4115	3.2104	0.0236	0.1656	0.0011
Base	-9424		CIM6 Min	-0.263	-0.5455	1.0444	-0.0162	-0.1654	-0.0011
Base	-9424		CIM7 Max	0.0943	1.4273	2.6132	0.0961	0.06	0.0003
Base	-9424		CIM7 Min	-0.0934	-1.5613	1.6417	-0.0905	-0.0597	-0.0003
Base	-9429		PP	-0.0006	0.1262	2.9692	-0.0061	-0.0006	3.265E-05
Base	-9429		CA	-0.0007	-0.0573	0.6637	0.0026	-0.0016	2.017E-05
Base	-9429		CV	-0.0017	-0.0263	1.0156	0.0007	-0.0034	3.459E-05
Base	-9429		SX Max	0.3723	0.5776	0.7459	0.0271	0.2348	0.0006
Base	-9429		SY Max	0.1579	1.7504	1.6899	0.1112	0.0662	0.0003
Base	-9429		CIM1	-0.003	0.0446	4.6466	-0.0026	-0.0059	0.0001
Base	-9429		CIM2 Max	0.3263	0.5793	4.2693	0.0204	0.2041	0.0007
Base	-9429		CIM2 Min	-0.329	-0.4376	2.9765	-0.0274	-0.2091	-0.0006
Base	-9429		CIM3 Max	0.1376	1.6112	5.296	0.0943	0.0752	0.0003
Base	-9429		CIM3 Min	-0.1403	-1.4694	1.9699	-0.1013	-0.0601	-0.0002
Base	-9429		CIM4 Max	0.2431	0.4325	4.6871	0.0149	0.1499	0.0006
Base	-9429		CIM4 Min	-0.2453	-0.3301	3.9025	-0.0209	-0.16	-0.0004
Base	-9429		CIM5 Max	0.1016	1.2064	5.6421	0.0704	0.0532	0.0003
Base	-9429		CIM5 Min	-0.1065	-1.104	3.1475	-0.0764	-0.0632	-0.0001
Base	-9429		CIM6 Max	0.3266	0.551	2.6362	0.0216	0.2051	0.0007
Base	-9429		CIM6 Min	-0.3264	-0.4659	1.5233	-0.026	-0.2061	-0.0007
Base	-9429		CIM7 Max	0.1362	1.5626	3.5426	0.0957	0.0761	0.0003
Base	-9429		CIM7 Min	-0.1398	-1.4976	0.5167	-0.0999	-0.0791	-0.0002
Base	-9434		PP	-0.0056	0.3103	3.0183	-0.0162	-0.0036	-0.0001
Base	-9434		CA	-0.0055	-0.0452	0.63	0.0001	-0.0036	-3.414E-05
Base	-9434		CV	-0.0096	-0.0367	1.2797	-0.0022	-0.007	-0.0001
Base	-9434		SX Max	0.2062	0.5973	0.5064	0.0293	0.1464	0.0012
Base	-9434		SY Max	0.1367	1.7773	3.6497	0.1216	0.0656	0.0004
Base	-9434		CIM1	-0.0236	0.2264	5.126	-0.0203	-0.0146	-0.0002
Base	-9434		CIM2 Max	0.1674	0.7907	4.2939	0.0077	0.1212	0.0009
Base	-9434		CIM2 Min	-0.1954	-0.2605	3.4027	-0.0439	-0.1364	-0.0012

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9434		CIM3 Max	0.1063	1.6291	7.06	0.0666	0.0501	0.0003
Base	-9434		CIM3 Min	-0.1344	-1.2969	0.6366	-0.1251	-0.0654	-0.0005
Base	-9434		CIM4 Max	0.1146	0.6317	5.1423	-0.0004	0.0637	0.0006
Base	-9434		CIM4 Min	-0.1573	-0.1567	4.4739	-0.0391	-0.1095	-0.001
Base	-9434		CIM5 Max	0.069	1.4105	7.2169	0.0605	0.0304	0.0001
Base	-9434		CIM5 Min	-0.1115	-0.9355	2.3993	-0.1	-0.0562	-0.0005
Base	-9434		CIM6 Max	0.173	0.6647	2.7546	0.0149	0.1242	0.001
Base	-9434		CIM6 Min	-0.1696	-0.3666	1.6634	-0.0367	-0.1334	-0.0011
Base	-9434		CIM7 Max	0.1119	1.7231	5.5207	0.0961	0.0532	0.0003
Base	-9434		CIM7 Min	-0.1267	-1.405	-0.9027	-0.1176	-0.0623	-0.0005
Base	-9439		PP	-0.0123	-0.0072	1.0032	-0.0046	-0.0095	-7.62E-06
Base	-9439		CA	-0.0216	-0.0245	0.6395	-0.0169	-0.0167	-1.336E-05
Base	-9439		CV	-0.0114	-0.0135	0.3366	-0.0069	-0.0066	-7.03E-06
Base	-9439		SX Max	0.5275	0.023	0.0002	0.0026	0.3755	3.571E-06
Base	-9439		SY Max	0.0035	0.2101	5.966E-06	0.0191	0.0024	0
Base	-9439		CIM1	-0.0453	-0.0452	1.9792	-0.0304	-0.0349	-2.601E-05
Base	-9439		CIM2 Max	0.4302	-0.0114	1.6426	-0.0192	0.3043	-1.763E-05
Base	-9439		CIM2 Min	-0.4961	-0.052	1.6424	-0.0238	-0.3566	-2.412E-05
Base	-9439		CIM3 Max	-0.0306	0.1532	1.6426	-0.0047	-0.0241	-2.069E-05
Base	-9439		CIM3 Min	-0.037	-0.2166	1.6426	-0.0363	-0.0252	-2.106E-05
Base	-9439		CIM4 Max	0.3057	-0.0266	1.6952	-0.0264	0.2151	-2.369E-05
Base	-9439		CIM4 Min	-0.3906	-0.057	1.6949	-0.0299	-0.2506	-2.861E-05
Base	-9439		CIM5 Max	-0.0401	0.0969	1.6951	-0.0156	-0.0312	-2.616E-05
Base	-9439		CIM5 Min	-0.0447	-0.1606	1.6951	-0.0406	-0.0343	-2.631E-05
Base	-9439		CIM6 Max	0.4436	0.0013	0.9656	-0.0106	0.3148	-9.443E-06
Base	-9439		CIM6 Min	-0.4845	-0.0393	0.9654	-0.0152	-0.3462	-1.573E-05
Base	-9439		CIM7 Max	-0.0173	0.1659	0.9656	0.0039	-0.0136	-1.25E-05
Base	-9439		CIM7 Min	-0.0234	-0.2039	0.9656	-0.0297	-0.0176	-1.267E-05
Base	-9453		PP	0.0122	0.0135	2.116	-0.006	0.001	-0.0001
Base	-9453		CA	0.0476	0.002	0.4046	-0.0009	0.0025	-1.496E-05
Base	-9453		CV	0.0663	0.002	0.4756	-0.0009	0.0034	-1.562E-05
Base	-9453		SX Max	1.1576	0.1427	0.2703	0.0613	0.0605	0.0002
Base	-9453		SY Max	0.6612	0.0564	2.6795	0.0941	0.0343	0.0005
Base	-9453		CIM1	0.1263	0.0175	2.9964	-0.0076	0.0069	-0.0001
Base	-9453		CIM2 Max	1.0766	0.1412	2.7567	0.047	0.0744	0.0001
Base	-9453		CIM2 Min	-0.9567	-0.11	2.2529	-0.0606	-0.0673	-0.0003
Base	-9453		CIM3 Max	0.6416	0.0916	4.5766	0.0759	0.0337	0.0004
Base	-9453		CIM3 Min	-0.5219	-0.0605	0.1626	-0.0697	-0.0266	-0.0006
Base	-9453		CIM4 Max	0.6737	0.1112	3.0559	0.0329	0.0592	4.29E-05
Base	-9453		CIM4 Min	-0.6543	-0.0772	2.699	-0.048	-0.0471	-0.0003
Base	-9453		CIM5 Max	0.5461	0.074	4.646	0.0545	0.0287	0.0002
Base	-9453		CIM5 Min	-0.3267	-0.04	1.109	-0.0697	-0.0166	-0.0005
Base	-9453		CIM6 Max	1.0546	0.135	1.7504	0.0498	0.073	0.0001
Base	-9453		CIM6 Min	-0.9627	-0.1163	1.2746	-0.056	-0.0667	-0.0003
Base	-9453		CIM7 Max	0.6176	0.0854	3.6705	0.0787	0.0323	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9453		CIM7 Min	-0.5459	-0.0667	-0.8455	-0.0869	-0.025	-0.0005
Base	-9462		PP	-0.1067	0.0006	2.0047	-0.0013	-0.0059	6.6E-06
Base	-9462		CA	0.0214	2.957E-05	0.4316	-0.0002	0.0001	1.593E-06
Base	-9462		CV	0.0354	-0.0001	0.5255	-0.0002	-2.934E-05	1.823E-06
Base	-9462		SX Max	1.2091	0.1369	1.4589	0.1032	0.0621	0.0001
Base	-9462		SY Max	0.6456	0.3306	1.5411	0.2616	0.0342	0.0002
Base	-9462		CIM1	-0.0499	0.0005	2.962	-0.0017	-0.0056	1.222E-05
Base	-9462		CIM2 Max	0.9766	0.1229	3.7203	0.0692	0.0665	0.0001
Base	-9462		CIM2 Min	-1.1494	-0.1216	1.1527	-0.0924	-0.076	-0.0001
Base	-9462		CIM3 Max	0.4827	0.2916	3.7927	0.2462	0.0243	0.0002
Base	-9462		CIM3 Min	-0.6534	-0.2904	1.0603	-0.2493	-0.0359	-0.0001
Base	-9462		CIM4 Max	0.7392	0.0922	3.7935	0.0664	0.0464	0.0001
Base	-9462		CIM4 Min	-0.8566	-0.0911	1.6677	-0.0696	-0.06	-0.0001
Base	-9462		CIM5 Max	0.3673	0.2166	3.8477	0.1641	0.0166	0.0001
Base	-9462		CIM5 Min	-0.4649	-0.2177	1.6135	-0.1875	-0.0263	-0.0001
Base	-9462		CIM6 Max	1.0126	0.1226	2.7457	0.0699	0.0656	0.0001
Base	-9462		CIM6 Min	-1.1152	-0.1219	0.1761	-0.0917	-0.0757	-0.0001
Base	-9462		CIM7 Max	0.5169	0.2913	2.8161	0.2466	0.0266	0.0002
Base	-9462		CIM7 Min	-0.6193	-0.2906	0.1057	-0.2467	-0.0335	-0.0001
Base	-9472		PP	-0.2519	3.321E-05	2.019	-0.0003	-0.0156	2.448E-06
Base	-9472		CA	-0.0371	0.0001	0.4549	-0.0002	-0.0043	1.019E-06
Base	-9472		CV	-0.0432	0.0001	0.5544	-0.0002	-0.0063	1.121E-06
Base	-9472		SX Max	1.016	0.1619	4.0533	0.1256	0.0622	0.0003
Base	-9472		SY Max	0.5064	0.6111	1.2413	0.4762	0.0313	0.0014
Base	-9472		CIM1	-0.3322	0.0002	3.0263	-0.0006	-0.0262	4.566E-06
Base	-9472		CIM2 Max	0.6066	0.1426	6.0406	0.1101	0.0525	0.0003
Base	-9472		CIM2 Min	-1.1649	-0.1424	-1.093	-0.111	-0.0922	-0.0003
Base	-9472		CIM3 Max	0.1584	0.5379	3.5662	0.4166	0.0077	0.0012
Base	-9472		CIM3 Min	-0.7364	-0.5376	1.3615	-0.4195	-0.0474	-0.0012
Base	-9472		CIM4 Max	0.3505	0.1071	5.5649	0.0823	0.0297	0.0002
Base	-9472		CIM4 Min	-0.9933	-0.1067	0.2145	-0.0834	-0.0769	-0.0002
Base	-9472		CIM5 Max	0.0141	0.4035	3.709	0.3136	-0.0039	0.0009
Base	-9472		CIM5 Min	-0.657	-0.4031	2.0704	-0.3149	-0.0453	-0.0009
Base	-9472		CIM6 Max	0.7224	0.1426	5.0512	0.1102	0.0605	0.0003
Base	-9472		CIM6 Min	-1.0693	-0.1424	-2.0625	-0.1106	-0.0843	-0.0003
Base	-9472		CIM7 Max	0.274	0.5376	2.5767	0.4166	0.0157	0.0012
Base	-9472		CIM7 Min	-0.6206	-0.5377	0.392	-0.4194	-0.0395	-0.0012
Base	-9481		PP	0.3546	3.493E-05	2.6413	-0.0005	0.0206	-6.515E-06
Base	-9481		CA	0.0657	-0.0003	0.4547	0.0002	0.0053	0
Base	-9481		CV	0.0656	-2.019E-05	0.6537	-0.0001	0.0128	-2.646E-06
Base	-9481		SX Max	1.9967	0.1357	5.2475	0.1055	0.1377	0.0004
Base	-9481		SY Max	0.4339	0.6331	1.0301	0.6612	0.0215	0.0029
Base	-9481		CIM1	0.5093	-0.0002	3.9797	-0.0005	0.0419	-9.324E-06
Base	-9481		CIM2 Max	2.1606	0.1192	7.9436	0.0951	0.1501	0.0003
Base	-9481		CIM2 Min	-1.3336	-0.1196	-1.2916	-0.0959	-0.0923	-0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9451		CIM3 Max	0.6053	0.7329	4.2325	0.5991	0.0479	0.0026
Base	-9451		CIM3 Min	0.0417	-0.7333	2.4195	-0.5995	0.01	-0.0026
Base	-9451		CIM4 Max	1.6057	0.0693	7.2796	0.0712	0.1295	0.0002
Base	-9451		CIM4 Min	-0.6299	-0.0596	0.353	-0.0721	-0.0523	-0.0003
Base	-9451		CIM5 Max	0.7742	0.5496	4.4962	0.4492	0.0528	0.0019
Base	-9451		CIM5 Min	0.2015	-0.5501	3.1364	-0.4501	0.0244	-0.0019
Base	-9451		CIM6 Max	2.0112	0.1193	6.6134	0.0953	0.1356	0.0003
Base	-9451		CIM6 Min	-1.503	-0.1196	-2.6222	-0.0957	-0.1039	-0.0003
Base	-9451		CIM7 Max	0.6359	0.733	2.9021	0.5993	0.0363	0.0026
Base	-9451		CIM7 Min	-0.1277	-0.7332	1.0891	-0.5997	-0.0016	-0.0026
Base	-9490		PP	0.2335	0.0006	2.7964	-0.0017	0.0106	-1.969E-05
Base	-9490		CA	0.0035	-0.0002	0.473	3.591E-05	-0.0037	-3.864E-06
Base	-9490		CV	-0.0267	-0.0004	0.641	-9.99E-06	-0.0066	-4.77E-06
Base	-9490		SX Max	2.3573	0.1277	3.0634	0.0959	0.1449	0.0003
Base	-9490		SY Max	0.5179	0.4513	1.3612	0.4179	0.0241	0.0004
Base	-9490		CIM1	0.2103	0.0002	3.9104	-0.0017	-0.0015	-2.655E-05
Base	-9490		CIM2 Max	2.3376	0.1129	5.9653	0.0827	0.1346	0.0002
Base	-9490		CIM2 Min	-1.5639	-0.1116	0.5737	-0.0861	-0.1204	-0.0003
Base	-9490		CIM3 Max	0.6927	0.3978	4.4673	0.366	0.0263	0.0003
Base	-9490		CIM3 Min	-0.2166	-0.3966	2.0716	-0.3694	-0.0141	-0.0004
Base	-9490		CIM4 Max	1.7926	0.0646	5.772	0.0616	0.0963	0.0002
Base	-9490		CIM4 Min	-1.3567	-0.0639	1.7263	-0.065	-0.0949	-0.0002
Base	-9490		CIM5 Max	0.5566	0.2962	4.6466	0.2741	0.0166	0.0002
Base	-9490		CIM5 Min	-0.1246	-0.2976	2.8516	-0.2775	-0.0152	-0.0003
Base	-9490		CIM6 Max	2.243	0.1127	4.6575	0.0834	0.1317	0.0002
Base	-9490		CIM6 Min	-1.9567	-0.112	-0.7341	-0.0854	-0.1232	-0.0003
Base	-9490		CIM7 Max	0.596	0.3975	3.1595	0.3667	0.0255	0.0003
Base	-9490		CIM7 Min	-0.3136	-0.3968	0.7636	-0.3668	-0.017	-0.0004
Base	-9499		PP	0.106	0.0131	1.9215	-0.0057	0.0056	0.0001
Base	-9499		CA	0.0046	0.0016	0.3062	-0.0007	-0.0006	1.04E-05
Base	-9499		CV	-0.0071	0.0013	0.3963	-0.0006	-0.0023	1.068E-05
Base	-9499		SX Max	1.5435	0.0923	1.1003	0.0372	0.1164	0.0002
Base	-9499		SY Max	0.4085	0.0668	1.5965	0.0576	0.0211	0.0005
Base	-9499		CIM1	0.1057	0.016	2.6261	-0.0071	0.0026	0.0001
Base	-9499		CIM2 Max	1.7351	0.096	3.196	0.0263	0.1072	0.0003
Base	-9499		CIM2 Min	-1.5096	-0.0666	1.2595	-0.0392	-0.0975	-0.0001
Base	-9499		CIM3 Max	0.4723	0.0734	3.5867	0.0444	0.0235	0.0005
Base	-9499		CIM3 Min	-0.2467	-0.044	0.5569	-0.0572	-0.0136	-0.0003
Base	-9499		CIM4 Max	1.3242	0.0766	3.2527	0.0176	0.0799	0.0002
Base	-9499		CIM4 Min	-1.1093	-0.0453	1.6004	-0.0315	-0.0737	-3.974E-05
Base	-9499		CIM5 Max	0.3771	0.0597	3.7797	0.0312	0.0171	0.0004
Base	-9499		CIM5 Min	-0.1622	-0.0284	1.2733	-0.045	-0.0106	-0.0002
Base	-9499		CIM6 Max	1.69	0.0901	2.3049	0.0269	0.1053	0.0002
Base	-9499		CIM6 Min	-1.5547	-0.0724	0.3664	-0.0366	-0.0995	-0.0001
Base	-9499		CIM7 Max	0.4272	0.0676	3.0076	0.047	0.0215	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9499		CIM7 Min	-0.2916	-0.0499	-0.3343	-0.0547	-0.0157	-0.0004
Base	-9505		PP	0.2742	0.0115	1.6727	-0.0049	0.017	-0.0001
Base	-9505		CA	0.0654	0.0007	0.3103	-0.0004	0.0041	-5.677E-06
Base	-9505		CV	0.1101	0.0015	0.3556	-0.0006	0.0066	-1.159E-05
Base	-9505		SX Max	1.7534	0.039	1.7574	0.0116	0.1172	0.0003
Base	-9505		SY Max	0.627	0.0602	2.6251	0.0676	0.029	0.0003
Base	-9505		CIM1	0.4496	0.0137	2.5366	-0.006	0.0277	-0.0001
Base	-9505		CIM2 Max	1.6625	0.0465	3.7296	0.005	0.1242	0.0002
Base	-9505		CIM2 Min	-1.2035	-0.0221	0.6365	-0.0157	-0.052	-0.0003
Base	-9505		CIM3 Max	0.8913	0.0626	4.6691	0.0717	0.0466	0.0002
Base	-9505		CIM3 Min	-0.2122	-0.0584	-0.303	-0.0824	-0.0045	-0.0003
Base	-9505		CIM4 Max	1.5794	0.0391	3.6096	0.0019	0.1034	0.0001
Base	-9505		CIM4 Min	-0.7351	-0.0124	1.29	-0.0136	-0.0513	-0.0003
Base	-9505		CIM5 Max	0.6359	0.0663	4.3144	0.052	0.0452	0.0001
Base	-9505		CIM5 Min	0.0063	-0.0396	0.5654	-0.0637	0.0069	-0.0002
Base	-9505		CIM6 Max	1.7467	0.0416	2.6564	0.0071	0.1156	0.0002
Base	-9505		CIM6 Min	-1.3393	-0.027	-0.2367	-0.0136	-0.0905	-0.0003
Base	-9505		CIM7 Max	0.7555	0.0779	3.7959	0.0739	0.0362	0.0002
Base	-9505		CIM7 Min	-0.346	-0.0633	-1.1762	-0.0803	-0.0129	-0.0003
Base	-9514		PP	0.1689	0.0006	1.6369	-0.0012	0.0105	6.915E-06
Base	-9514		CA	0.0509	-0.0005	0.3061	0.0002	0.0028	2.301E-06
Base	-9514		CV	0.094	-0.0001	0.3663	-0.0001	0.0051	1.465E-06
Base	-9514		SX Max	1.5677	0.037	0.5469	0.0205	0.1162	0.0001
Base	-9514		SY Max	0.5645	0.2948	1.5643	0.2421	0.0295	0.0002
Base	-9514		CIM1	0.3336	-4.259E-05	2.5353	-0.0011	0.0184	1.066E-05
Base	-9514		CIM2 Max	1.5534	0.0326	2.6922	0.017	0.1155	0.0001
Base	-9514		CIM2 Min	-1.4036	-0.0325	1.4017	-0.019	-0.059	-0.0001
Base	-9514		CIM3 Max	0.7366	0.2595	3.5235	0.2121	0.0392	0.0002
Base	-9514		CIM3 Min	-0.257	-0.2594	0.7703	-0.2141	-0.0127	-0.0002
Base	-9514		CIM4 Max	1.543	0.0244	2.9971	0.0124	0.0936	0.0001
Base	-9514		CIM4 Min	-0.9224	-0.0245	1.5793	-0.0146	-0.0595	-0.0001
Base	-9514		CIM5 Max	0.6529	0.1946	3.4706	0.1567	0.0366	0.0001
Base	-9514		CIM5 Min	-0.0623	-0.1946	1.4057	-0.1609	-0.0023	-0.0001
Base	-9514		CIM6 Max	1.7675	0.0326	2.0334	0.0174	0.1102	0.0001
Base	-9514		CIM6 Min	-1.4997	-0.0326	0.5429	-0.0166	-0.0943	-0.0001
Base	-9514		CIM7 Max	0.6407	0.2595	2.6646	0.2125	0.0339	0.0002
Base	-9514		CIM7 Min	-0.3529	-0.2594	-0.0684	-0.2137	-0.018	-0.0002
Base	-9524		PP	0.1472	-0.0001	2.9095	-0.0003	0.0073	3.169E-06
Base	-9524		CA	0.0462	-0.0002	0.5047	0.0001	0.0024	0
Base	-9524		CV	0.0924	-0.0001	0.6914	-2.32E-05	0.0045	0
Base	-9524		SX Max	2.5692	0.0605	0.499	0.0352	0.1462	0.0003
Base	-9524		SY Max	0.6607	0.7578	1.2377	0.6109	0.0315	0.0002
Base	-9524		CIM1	0.2578	-0.0003	4.1056	-0.0002	0.0142	3.974E-06
Base	-9524		CIM2 Max	2.4563	0.0529	3.6534	0.0334	0.1401	0.0002
Base	-9524		CIM2 Min	-2.0656	-0.0535	2.9751	-0.0336	-0.1207	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9524		CIM3 Max	0.7767	0.6666	4.5034	0.5374	0.0374	0.0002
Base	-9524		CIM3 Min	-0.366	-0.6672	2.3251	-0.5376	-0.016	-0.0002
Base	-9524		CIM4 Max	1.9604	0.0396	4.2621	0.025	0.1109	0.0002
Base	-9524		CIM4 Min	-1.431	-0.0402	3.6034	-0.0254	-0.0647	-0.0002
Base	-9524		CIM5 Max	0.7007	0.4999	4.7496	0.403	0.0339	0.0002
Base	-9524		CIM5 Min	-0.1714	-0.5005	3.1159	-0.4034	-0.0077	-0.0001
Base	-9524		CIM6 Max	2.3761	0.0531	2.4677	0.0335	0.1363	0.0002
Base	-9524		CIM6 Min	-2.1437	-0.0534	1.6094	-0.0337	-0.1246	-0.0002
Base	-9524		CIM7 Max	0.6966	0.6667	3.1377	0.5375	0.0335	0.0002
Base	-9524		CIM7 Min	-0.4642	-0.6671	0.9594	-0.5377	-0.0219	-0.0002
Base	-9529		PP	0.0714	-0.0001	2.9746	-0.0001	0.0034	1.156E-06
Base	-9529		CA	0.034	-4.61E-05	0.5264	0.0001	0.0015	0
Base	-9529		CV	0.065	-2.242E-05	0.7406	-2.656E-05	0.0029	0
Base	-9529		SX Max	2.3303	0.0669	0.2617	0.0431	0.1364	0.0002
Base	-9529		SY Max	0.5165	0.6614	0.6251	0.703	0.0246	0.0002
Base	-9529		CIM1	0.1705	-0.0002	4.2416	-0.0001	0.0076	1.066E-06
Base	-9529		CIM2 Max	2.1561	0.0605	3.7313	0.0379	0.125	0.0002
Base	-9529		CIM2 Min	-1.9452	-0.0606	3.2706	-0.036	-0.1151	-0.0002
Base	-9529		CIM3 Max	0.5617	0.7579	4.227	0.6166	0.0266	0.0002
Base	-9529		CIM3 Min	-0.3505	-0.7582	2.7746	-0.6167	-0.0167	-0.0002
Base	-9529		CIM4 Max	1.6922	0.0453	4.2293	0.0264	0.0971	0.0002
Base	-9529		CIM4 Min	-1.3836	-0.0457	3.6836	-0.0265	-0.0529	-0.0001
Base	-9529		CIM5 Max	0.4964	0.5663	4.6011	0.4639	0.0233	0.0001
Base	-9529		CIM5 Min	-0.166	-0.5667	3.512	-0.4641	-0.0092	-0.0001
Base	-9529		CIM6 Max	2.1139	0.0606	2.3309	0.0379	0.123	0.0002
Base	-9529		CIM6 Min	-1.9674	-0.0607	1.6702	-0.036	-0.117	-0.0002
Base	-9529		CIM7 Max	0.5195	0.7579	2.6267	0.6166	0.0246	0.0002
Base	-9529		CIM7 Min	-0.393	-0.7581	1.3745	-0.6167	-0.0167	-0.0002
Base	-9534		PP	-0.0131	-0.0001	3.013	-4.395E-05	-0.0007	0
Base	-9534		CA	0.0205	-6.704E-06	0.5459	6.656E-06	0.0012	0
Base	-9534		CV	0.041	-6.09E-06	0.7612	-3.642E-05	0.0024	0
Base	-9534		SX Max	2.1026	0.0772	1.1061	0.0466	0.1256	0.0002
Base	-9534		SY Max	0.3967	0.9134	0.5617	0.7566	0.0194	0.0002
Base	-9534		CIM1	0.0463	-0.0001	4.3401	-0.0001	0.0029	0
Base	-9534		CIM2 Max	1.6577	0.0679	4.5323	0.041	0.1111	0.0002
Base	-9534		CIM2 Min	-1.6429	-0.068	2.5855	-0.041	-0.1099	-0.0002
Base	-9534		CIM3 Max	0.3564	0.8036	4.0532	0.6677	0.0176	0.0002
Base	-9534		CIM3 Min	-0.3417	-0.8039	3.0646	-0.6678	-0.0165	-0.0002
Base	-9534		CIM4 Max	1.4256	0.0509	4.5749	0.0307	0.0852	0.0001
Base	-9534		CIM4 Min	-1.3496	-0.051	3.4146	-0.0308	-0.0805	-0.0001
Base	-9534		CIM5 Max	0.2999	0.6026	4.5156	0.5006	0.0151	0.0002
Base	-9534		CIM5 Min	-0.2237	-0.6029	3.7741	-0.5009	-0.0104	-0.0002
Base	-9534		CIM6 Max	1.6547	0.0679	3.1067	0.041	0.1105	0.0002
Base	-9534		CIM6 Min	-1.6459	-0.068	1.162	-0.041	-0.1102	-0.0002
Base	-9534		CIM7 Max	0.3535	0.8036	2.6296	0.6677	0.0174	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9534		CIM7 Min	-0.3446	-0.6039	1.641	-0.6676	-0.0167	-0.0002
Base	-9539		PP	-0.1129	-2.149E-05	3.0191	-3.141E-05	-0.006	0
Base	-9539		CA	-0.0005	1.494E-06	0.5617	-1.376E-05	-0.0005	0
Base	-9539		CV	0.0067	1.122E-06	0.813	-4.153E-05	-0.0006	0
Base	-9539		SX Max	1.9171	0.0613	2.2633	0.0459	0.1154	0.0002
Base	-9539		SY Max	0.3036	0.9347	0.4011	0.7937	0.0149	0.0003
Base	-9539		CIM1	-0.1066	-1.668E-05	4.3936	-0.0001	-0.0071	0
Base	-9539		CIM2 Max	1.5737	0.0715	5.5901	0.0403	0.0977	0.0002
Base	-9539		CIM2 Min	-1.6005	-0.0716	1.5716	-0.0404	-0.1107	-0.0002
Base	-9539		CIM3 Max	0.1536	0.6225	3.9336	0.6984	0.0066	0.0003
Base	-9539		CIM3 Min	-0.3506	-0.6226	3.2279	-0.6965	-0.0196	-0.0003
Base	-9539		CIM4 Max	1.1569	0.0536	5.6975	0.0302	0.0712	0.0001
Base	-9539		CIM4 Min	-1.3737	-0.0537	2.6536	-0.0303	-0.0851	-0.0001
Base	-9539		CIM5 Max	0.092	0.6169	4.4553	0.5238	0.0029	0.0002
Base	-9539		CIM5 Min	-0.3066	-0.6169	3.9259	-0.5239	-0.0166	-0.0002
Base	-9539		CIM6 Max	1.619	0.0715	4.1576	0.0403	0.1003	0.0002
Base	-9539		CIM6 Min	-1.7551	-0.0715	0.1392	-0.0404	-0.1081	-0.0002
Base	-9539		CIM7 Max	0.1991	0.6226	2.5015	0.6965	0.0092	0.0003
Base	-9539		CIM7 Min	-0.3353	-0.6226	1.7956	-0.6965	-0.017	-0.0003
Base	-9544		PP	-0.2415	2.122E-06	2.9884	-3.31E-05	-0.0119	0
Base	-9544		CA	-0.0242	2.644E-06	0.5721	-2.08E-05	-0.0005	0
Base	-9544		CV	-0.0279	6.959E-06	0.8356	-4.392E-05	-0.0002	0
Base	-9544		SX Max	1.5005	0.0662	3.7972	0.0353	0.1154	0.0001
Base	-9544		SY Max	0.2425	0.9466	0.3116	0.63	0.0126	0.0006
Base	-9544		CIM1	-0.2936	1.172E-05	4.3963	-0.0001	-0.0127	0
Base	-9544		CIM2 Max	1.3167	0.0562	6.902	0.031	0.0891	0.0001
Base	-9544		CIM2 Min	-1.6502	-0.0562	0.2169	-0.0311	-0.114	-0.0001
Base	-9544		CIM3 Max	-0.0523	0.6349	3.6347	0.7304	-0.0014	0.0005
Base	-9544		CIM3 Min	-0.4792	-0.6349	3.2662	-0.7305	-0.0235	-0.0005
Base	-9544		CIM4 Max	0.9017	0.0437	6.6935	0.0232	0.0635	0.0001
Base	-9544		CIM4 Min	-1.475	-0.0437	1.6512	-0.0234	-0.0956	-0.0001
Base	-9544		CIM5 Max	-0.1266	0.6262	4.393	0.5477	-0.0043	0.0004
Base	-9544		CIM5 Min	-0.4467	-0.6262	3.9617	-0.5479	-0.0209	-0.0004
Base	-9544		CIM6 Max	1.425	0.0562	5.4778	0.031	0.094	0.0001
Base	-9544		CIM6 Min	-1.7439	-0.0562	-1.2053	-0.0311	-0.109	-0.0001
Base	-9544		CIM7 Max	0.054	0.6349	2.4105	0.7304	0.0036	0.0005
Base	-9544		CIM7 Min	-0.3729	-0.6349	1.662	-0.7304	-0.0185	-0.0005
Base	-9549		PP	-0.3642	1.677E-05	3.0376	-3.429E-05	-0.0221	0
Base	-9549		CA	-0.0664	2.412E-06	0.5927	-1.905E-05	-0.0047	0
Base	-9549		CV	-0.0939	1.276E-05	0.8713	-4.026E-05	-0.007	0
Base	-9549		SX Max	1.6461	0.0357	6.2636	0.0293	0.1205	0.0003
Base	-9549		SY Max	0.185	1.0096	0.3255	0.6689	0.0106	0.0032
Base	-9549		CIM1	-0.5445	3.193E-05	4.5016	-0.0001	-0.0336	6.156E-07
Base	-9549		CIM2 Max	0.996	0.0314	9.1423	0.0257	0.0792	0.0002
Base	-9549		CIM2 Min	-1.6992	-0.0314	-1.6616	-0.0258	-0.1326	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9549		CIM3 Max	-0.2676	0.9415	3.9167	0.7822	-0.0174	0.0026
Base	-9549		CIM3 Min	-0.6134	-0.9414	3.3439	-0.7823	-0.0361	-0.0026
Base	-9549		CIM4 Max	0.5654	0.0236	5.4177	0.0192	0.0475	0.0002
Base	-9549		CIM4 Min	-1.6075	-0.0235	0.1496	-0.0194	-0.1115	-0.0002
Base	-9549		CIM5 Max	-0.399	0.7061	4.4966	0.5866	-0.025	0.0021
Base	-9549		CIM5 Min	-0.6431	-0.7061	4.069	-0.5867	-0.039	-0.0021
Base	-9549		CIM6 Max	1.1762	0.0314	7.6901	0.0257	0.0699	0.0002
Base	-9549		CIM6 Min	-1.719	-0.0314	-3.3337	-0.0256	-0.1221	-0.0002
Base	-9549		CIM7 Max	-0.1076	0.9415	2.4646	0.7822	-0.0067	0.0026
Base	-9549		CIM7 Min	-0.4331	-0.9414	1.6916	-0.7822	-0.0254	-0.0026
Base	-9558		PP	0.0286	0.0138	1.9496	-0.0059	0.0016	-0.0001
Base	-9558		CA	0.0046	0.0025	0.3056	-0.0011	1.623E-05	-1.126E-05
Base	-9558		CV	0.0114	0.0029	0.4011	-0.0012	0.0001	-1.203E-05
Base	-9558		SX Max	1.9536	0.0941	0.9227	0.0371	0.1233	0.0002
Base	-9558		SY Max	0.4369	0.0653	1.6925	0.0587	0.023	0.0005
Base	-9558		CIM1	0.0456	0.0192	2.6566	-0.0061	0.0019	-0.0001
Base	-9558		CIM2 Max	1.7799	0.0991	3.0674	0.0257	0.1103	0.0001
Base	-9558		CIM2 Min	-1.7111	-0.0665	1.4435	-0.0396	-0.1066	-0.0003
Base	-9558		CIM3 Max	0.4189	0.0738	3.9206	0.0447	0.022	0.0003
Base	-9558		CIM3 Min	-0.3501	-0.0412	0.59	-0.0566	-0.0165	-0.0005
Base	-9558		CIM4 Max	1.3521	0.0606	3.1652	0.0167	0.0832	3.626E-05
Base	-9558		CIM4 Min	-1.2662	-0.0436	1.9473	-0.0323	-0.0795	-0.0002
Base	-9558		CIM5 Max	0.3313	0.0616	3.8053	0.0309	0.0171	0.0002
Base	-9558		CIM5 Min	-0.2454	-0.0246	1.3072	-0.0466	-0.0134	-0.0004
Base	-9558		CIM6 Max	1.7662	0.0926	2.1652	0.0285	0.1096	0.0001
Base	-9558		CIM6 Min	-1.7249	-0.073	0.5413	-0.0368	-0.1075	-0.0002
Base	-9558		CIM7 Max	0.4051	0.0673	3.0167	0.0475	0.0213	0.0004
Base	-9558		CIM7 Min	-0.3638	-0.0477	-0.3121	-0.0556	-0.0192	-0.0005
Base	-9567		PP	0.0711	0.001	2.8405	-0.0019	0.0034	1.662E-05
Base	-9567		CA	0.0162	0.0005	0.4573	-0.0005	0.0008	1.305E-06
Base	-9567		CV	0.0316	0.0007	0.6359	-0.0007	0.0012	6.09E-07
Base	-9567		SX Max	2.6567	0.1132	1.1363	0.0787	0.1536	0.0002
Base	-9567		SY Max	0.4954	0.42	1.2965	0.3473	0.0234	0.0006
Base	-9567		CIM1	0.1209	0.0021	3.9337	-0.0031	0.0054	1.653E-05
Base	-9567		CIM2 Max	2.4554	0.1011	4.2977	0.0651	0.1392	0.0002
Base	-9567		CIM2 Min	-2.2767	-0.0981	2.2976	-0.07	-0.131	-0.0002
Base	-9567		CIM3 Max	0.5252	0.371	4.4404	0.3032	0.0247	0.0006
Base	-9567		CIM3 Min	-0.3466	-0.3681	2.155	-0.3061	-0.0165	-0.0006
Base	-9567		CIM4 Max	1.6675	0.0767	4.5246	0.0477	0.1064	0.0002
Base	-9567		CIM4 Min	-1.6615	-0.0727	3.0247	-0.0536	-0.0963	-0.0001
Base	-9567		CIM5 Max	0.4399	0.2791	4.6317	0.2263	0.0205	0.0004
Base	-9567		CIM5 Min	-0.2139	-0.2752	2.9177	-0.2322	-0.0104	-0.0004
Base	-9567		CIM6 Max	2.4196	0.1005	2.9766	0.0661	0.1376	0.0002
Base	-9567		CIM6 Min	-2.3124	-0.0967	0.9767	-0.069	-0.1327	-0.0002
Base	-9567		CIM7 Max	0.4695	0.3704	3.1213	0.3042	0.023	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9567		CIM7 Min	-0.3623	-0.3687	0.8359	-0.3071	-0.0161	-0.0006
Base	-9572		PP	0.0559	0.0001	2.8866	-0.0006	0.0029	4.505E-06
Base	-9572		CA	0.0187	0.0001	0.472	-0.0002	0.001	5.562E-07
Base	-9572		CV	0.0293	0.0002	0.6681	-0.0004	0.0015	5.226E-07
Base	-9572		SX Max	2.4674	0.0636	0.7721	0.0633	0.1424	0.0001
Base	-9572		SY Max	0.4079	0.6362	0.6853	0.5076	0.0167	0.0003
Base	-9572		CIM1	0.1039	0.0004	4.0266	-0.0014	0.0053	5.563E-06
Base	-9572		CIM2 Max	2.2456	0.0736	4.0402	0.0547	0.1292	0.0001
Base	-9572		CIM2 Min	-2.0967	-0.0733	2.6613	-0.0567	-0.1215	-0.0001
Base	-9572		CIM3 Max	0.4335	0.5618	4.1396	0.4457	0.0204	0.0002
Base	-9572		CIM3 Min	-0.2544	-0.5614	2.5617	-0.4477	-0.0126	-0.0002
Base	-9572		CIM4 Max	1.725	0.0556	4.3714	0.0405	0.099	0.0001
Base	-9572		CIM4 Min	-1.5319	-0.0546	3.3522	-0.043	-0.089	-0.0001
Base	-9572		CIM5 Max	0.3656	0.4216	4.4461	0.3337	0.0173	0.0002
Base	-9572		CIM5 Min	-0.1727	-0.4206	3.2775	-0.3363	-0.0074	-0.0002
Base	-9572		CIM6 Max	2.216	0.0737	2.6959	0.0551	0.1277	0.0001
Base	-9572		CIM6 Min	-2.1266	-0.0734	1.337	-0.0563	-0.123	-0.0001
Base	-9572		CIM7 Max	0.4037	0.5617	2.7955	0.4461	0.0166	0.0002
Base	-9572		CIM7 Min	-0.3142	-0.5615	1.2374	-0.4473	-0.0141	-0.0002
Base	-9577		PP	0.0222	-0.0001	2.9317	-0.0003	0.0009	1.674E-06
Base	-9577		CA	0.015	2.958E-06	0.4663	-0.0001	0.0007	0
Base	-9577		CV	0.0215	2.41E-05	0.6953	-0.0002	0.0009	0
Base	-9577		SX Max	2.2513	0.0641	0.239	0.0492	0.1319	0.0001
Base	-9577		SY Max	0.3253	0.7621	0.6234	0.6267	0.0159	0.0003
Base	-9577		CIM1	0.0567	-4.638E-05	4.1133	-0.0006	0.0025	2.564E-06
Base	-9577		CIM2 Max	2.0163	0.0563	3.6264	0.0429	0.1177	0.0001
Base	-9577		CIM2 Min	-1.9439	-0.0564	3.2076	-0.0437	-0.1145	-0.0001
Base	-9577		CIM3 Max	0.3235	0.6662	3.9667	0.5511	0.0156	0.0003
Base	-9577		CIM3 Min	-0.2491	-0.6663	2.8694	-0.5519	-0.0124	-0.0002
Base	-9577		CIM4 Max	1.5392	0.0422	4.0972	0.0319	0.0894	0.0001
Base	-9577		CIM4 Min	-1.4325	-0.0423	3.7616	-0.033	-0.0846	-4.715E-05
Base	-9577		CIM5 Max	0.2661	0.5161	4.351	0.4131	0.0126	0.0002
Base	-9577		CIM5 Min	-0.1614	-0.5163	3.526	-0.4142	-0.0082	-0.0002
Base	-9577		CIM6 Max	2.0034	0.0563	2.2611	0.043	0.117	0.0001
Base	-9577		CIM6 Min	-1.9566	-0.0564	1.6405	-0.0435	-0.1151	-0.0001
Base	-9577		CIM7 Max	0.3066	0.6662	2.5995	0.5513	0.0149	0.0003
Base	-9577		CIM7 Min	-0.2639	-0.6663	1.5022	-0.5517	-0.013	-0.0002
Base	-9582		PP	-0.0231	-0.0001	2.9582	-0.0001	-0.0012	8.691E-07
Base	-9582		CA	0.0092	-2.468E-05	0.4894	-3.224E-05	0.0004	0
Base	-9582		CV	0.0115	-2.091E-05	0.7176	-0.0001	0.0004	0
Base	-9582		SX Max	2.0771	0.051	0.6526	0.0386	0.1241	0.0001
Base	-9582		SY Max	0.2534	0.6642	0.4589	0.7035	0.0123	0.0002
Base	-9582		CIM1	-0.0025	-0.0001	4.1754	-0.0002	-0.0005	1.476E-06
Base	-9582		CIM2 Max	1.8139	0.0446	4.0562	0.034	0.1064	0.0001
Base	-9582		CIM2 Min	-1.8416	-0.045	2.8566	-0.0343	-0.1101	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9562		CIM3 Max	0.2091	0.7604	3.5614	0.619	0.01	0.0002
Base	-9562		CIM3 Min	-0.237	-0.7606	3.0537	-0.6193	-0.0117	-0.0002
Base	-9562		CIM4 Max	1.3655	0.0335	4.4464	0.0254	0.0613	4.375E-05
Base	-9562		CIM4 Min	-1.3762	-0.0336	3.5454	-0.0256	-0.0625	-4.097E-05
Base	-9562		CIM5 Max	0.1619	0.5703	4.2966	0.4641	0.0076	0.0002
Base	-9562		CIM5 Min	-0.1726	-0.5705	3.693	-0.4645	-0.0087	-0.0002
Base	-9562		CIM6 Max	1.5195	0.0446	2.6752	0.0341	0.1067	0.0001
Base	-9562		CIM6 Min	-1.5362	-0.0449	1.4736	-0.0342	-0.1097	-0.0001
Base	-9562		CIM7 Max	0.2147	0.7604	2.4764	0.619	0.0103	0.0002
Base	-9562		CIM7 Min	-0.2314	-0.7606	1.6706	-0.6192	-0.0113	-0.0002
Base	-9567		PP	-0.0646	-4.936E-05	2.963	-0.0001	-0.0043	0
Base	-9567		CA	4.463E-05	-2.269E-05	0.5106	-5.734E-06	0.0001	0
Base	-9567		CV	-0.002	-2.125E-05	0.7366	-4.189E-05	-9.662E-06	0
Base	-9567		SX Max	1.9406	0.043	1.641	0.0327	0.1177	4.766E-05
Base	-9567		SY Max	0.2022	0.9016	0.357	0.7474	0.0102	0.0003
Base	-9567		CIM1	-0.0666	-0.0001	4.2103	-0.0001	-0.0043	7.104E-07
Base	-9567		CIM2 Max	1.6231	0.0376	4.9177	0.0266	0.0994	4.265E-05
Base	-9567		CIM2 Min	-1.7923	-0.0379	2.0294	-0.0269	-0.1079	-4.159E-05
Base	-9567		CIM3 Max	0.0934	0.7934	3.7577	0.6577	0.0047	0.0003
Base	-9567		CIM3 Min	-0.2626	-0.7935	3.1594	-0.6576	-0.0132	-0.0003
Base	-9567		CIM4 Max	1.1947	0.0263	5.1092	0.0215	0.0735	3.225E-05
Base	-9567		CIM4 Min	-1.3669	-0.0265	2.943	-0.0217	-0.082	-3.092E-05
Base	-9567		CIM5 Max	0.0474	0.595	4.2617	0.4932	0.0025	0.0002
Base	-9567		CIM5 Min	-0.2196	-0.5952	3.7905	-0.4934	-0.011	-0.0002
Base	-9567		CIM6 Max	1.657	0.0376	3.5263	0.0266	0.1011	4.244E-05
Base	-9567		CIM6 Min	-1.7565	-0.0379	0.64	-0.0268	-0.1062	-4.16E-05
Base	-9567		CIM7 Max	0.1272	0.7934	2.3963	0.6577	0.0064	0.0003
Base	-9567		CIM7 Min	-0.2267	-0.7935	1.77	-0.6576	-0.0115	-0.0003
Base	-9592		PP	-0.1648	-1.686E-05	2.9443	-3.413E-05	-0.0065	0
Base	-9592		CA	-0.0157	-1.569E-05	0.5169	3.356E-06	-0.001	0
Base	-9592		CV	-0.0248	-1.191E-05	0.7516	-2.965E-05	-0.0017	0
Base	-9592		SX Max	1.5345	0.0406	2.6011	0.0308	0.1145	0.0001
Base	-9592		SY Max	0.1671	0.9114	0.2953	0.772	0.0065	0.0003
Base	-9592		CIM1	-0.2054	-4.445E-05	4.2149	-0.0001	-0.0113	0
Base	-9592		CIM2 Max	1.4336	0.0357	5.9252	0.0271	0.0911	4.56E-05
Base	-9592		CIM2 Min	-1.7949	-0.0356	0.9963	-0.0271	-0.1103	-4.519E-05
Base	-9592		CIM3 Max	-0.0335	0.602	3.7231	0.6793	-0.0021	0.0003
Base	-9592		CIM3 Min	-0.3276	-0.602	3.2034	-0.6794	-0.0171	-0.0003
Base	-9592		CIM4 Max	1.0116	0.0268	5.6757	0.0203	0.0647	3.431E-05
Base	-9592		CIM4 Min	-1.41	-0.0269	2.1762	-0.0204	-0.0864	-3.378E-05
Base	-9592		CIM5 Max	-0.0669	0.6015	4.2219	0.5095	-0.0052	0.0002
Base	-9592		CIM5 Min	-0.3094	-0.6015	3.6321	-0.5096	-0.0165	-0.0002
Base	-9592		CIM6 Max	1.5061	0.0357	4.5429	0.0271	0.095	4.552E-05
Base	-9592		CIM6 Min	-1.7227	-0.0356	-0.367	-0.0271	-0.1065	-4.527E-05
Base	-9592		CIM7 Max	0.0357	0.602	2.3376	0.6793	0.0016	0.0003

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9592		CIM7 Min	-0.2553	-0.602	1.6161	-0.6794	-0.0133	-0.0003
Base	-9597		PP	-0.2771	3.203E-06	2.6969	-3.171E-05	-0.014	0
Base	-9597		CA	-0.0375	-1.057E-05	0.5227	6.436E-06	-0.0016	0
Base	-9597		CV	-0.0554	-2.693E-06	0.7606	-2.61E-05	-0.0024	0
Base	-9597		SX Max	1.7752	0.0423	4.2325	0.0322	0.1146	2.523E-05
Base	-9597		SY Max	0.1449	0.9136	0.2644	0.797	0.0076	0.0005
Base	-9597		CIM1	-0.37	-1.006E-05	4.1622	-0.0001	-0.016	0
Base	-9597		CIM2 Max	1.2475	0.0372	7.1462	0.0263	0.0852	2.228E-05
Base	-9597		CIM2 Min	-1.5766	-0.0372	-0.303	-0.0264	-0.1165	-2.211E-05
Base	-9597		CIM3 Max	-0.1871	0.6041	3.6543	0.7013	-0.0056	0.0005
Base	-9597		CIM3 Min	-0.4422	-0.6041	3.1669	-0.7014	-0.0225	-0.0005
Base	-9597		CIM4 Max	0.6154	0.0279	6.7656	0.0212	0.0552	1.679E-05
Base	-9597		CIM4 Min	-1.5276	-0.0279	1.1966	-0.0213	-0.0931	-1.651E-05
Base	-9597		CIM5 Max	-0.2606	0.6031	4.1666	0.526	-0.0123	0.0003
Base	-9597		CIM5 Min	-0.4516	-0.6031	3.6176	-0.5261	-0.0226	-0.0003
Base	-9597		CIM6 Max	1.3734	0.0372	5.7776	0.0263	0.0914	2.226E-05
Base	-9597		CIM6 Min	-1.7509	-0.0372	-1.6717	-0.0264	-0.1102	-2.215E-05
Base	-9597		CIM7 Max	-0.0613	0.6041	2.2657	0.7013	-0.0025	0.0005
Base	-9597		CIM7 Min	-0.3163	-0.6041	1.6203	-0.7014	-0.0163	-0.0005
Base	-9602		PP	-0.396	1.54E-05	2.9494	-3.044E-05	-0.0229	0
Base	-9602		CA	-0.0663	-1.025E-05	0.5419	6.431E-06	-0.0044	0
Base	-9602		CV	-0.1007	3.264E-06	0.7931	-2.201E-05	-0.0066	0
Base	-9602		SX Max	1.647	0.0467	5.5936	0.0357	0.1206	0.0001
Base	-9602		SY Max	0.1167	1.0163	0.2967	0.8412	0.0071	0.003
Base	-9602		CIM1	-0.567	5.417E-06	4.2644	-4.402E-05	-0.0339	0
Base	-9602		CIM2 Max	0.9531	0.0411	9.2939	0.0314	0.0766	0.0001
Base	-9602		CIM2 Min	-1.9157	-0.0411	-2.3112	-0.0314	-0.1335	-0.0001
Base	-9602		CIM3 Max	-0.3619	0.6943	3.7525	0.7402	-0.0211	0.0026
Base	-9602		CIM3 Min	-0.5707	-0.6943	3.2302	-0.7403	-0.0335	-0.0026
Base	-9602		CIM4 Max	0.5452	0.0306	6.4361	0.0235	0.0473	0.0001
Base	-9602		CIM4 Min	-1.6269	-0.0306	-0.2656	-0.0236	-0.1119	-0.0001
Base	-9602		CIM5 Max	-0.4635	0.6707	4.262	0.5552	-0.0276	0.002
Base	-9602		CIM5 Min	-0.6202	-0.6707	3.6903	-0.5552	-0.037	-0.002
Base	-9602		CIM6 Max	1.1696	0.0411	7.6973	0.0314	0.0696	0.0001
Base	-9602		CIM6 Min	-1.7292	-0.0411	-3.7077	-0.0314	-0.1225	-0.0001
Base	-9602		CIM7 Max	-0.1754	0.6943	2.3559	0.7403	-0.0101	0.0026
Base	-9602		CIM7 Min	-0.3842	-0.6943	1.6337	-0.7403	-0.0226	-0.0026
Base	-9611		PP	-0.0253	-0.0129	2.0596	0.0056	-0.0013	0.0001
Base	-9611		CA	-0.0037	-0.0026	0.3422	0.001	-0.0002	1.666E-05
Base	-9611		CV	0.0076	-0.0023	0.4146	0.0009	0.0004	1.356E-05
Base	-9611		SX Max	2.13	0.0745	0.2195	0.032	0.1307	0.0002
Base	-9611		SY Max	0.4194	0.0529	1.6564	0.0597	0.0223	0.0005
Base	-9611		CIM1	-0.0214	-0.0176	2.6166	0.0075	-0.0012	0.0001
Base	-9611		CIM2 Max	1.5454	0.05	2.5952	0.0346	0.1134	0.0003
Base	-9611		CIM2 Min	-1.9034	-0.0511	2.2066	-0.0216	-0.1165	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9611		CIM3 Max	0.34	0.031	3.6597	0.0591	0.0161	0.0005
Base	-9611		CIM3 Min	-0.3961	-0.0621	0.9444	-0.046	-0.0212	-0.0003
Base	-9611		CIM4 Max	1.3625	0.0319	2.6579	0.0264	0.065	0.0002
Base	-9611		CIM4 Min	-1.4291	-0.0664	2.5681	-0.0139	-0.0575	-4.069E-05
Base	-9611		CIM5 Max	0.2535	0.0176	3.6062	0.0466	0.0134	0.0004
Base	-9611		CIM5 Min	-0.3001	-0.0522	1.6197	-0.0322	-0.016	-0.0002
Base	-9611		CIM6 Max	1.657	0.0562	1.6344	0.0321	0.1141	0.0002
Base	-9611		CIM6 Min	-1.6916	-0.0749	1.246	-0.0242	-0.1159	-0.0001
Base	-9611		CIM7 Max	0.3516	0.0372	2.6969	0.0565	0.0167	0.0004
Base	-9611		CIM7 Min	-0.3864	-0.0559	-0.0165	-0.0466	-0.0205	-0.0003
Base	-9621		PP	0.0044	-0.0006	2.6604	0.0016	0.0001	-1.546E-05
Base	-9621		CA	0.0142	-0.0001	0.4963	0.0002	0.0006	-2.371E-06
Base	-9621		CV	0.0291	-0.0001	0.6407	0.0002	0.0013	-2.341E-06
Base	-9621		SX Max	2.627	0.0647	0.4694	0.0613	0.1602	0.0002
Base	-9621		SY Max	0.3913	0.4113	1.0173	0.3428	0.0179	0.0006
Base	-9621		CIM1	0.0476	-0.001	4.0194	0.0021	0.002	-2.019E-05
Base	-9621		CIM2 Max	2.5063	0.0737	3.6094	0.0559	0.1417	0.0002
Base	-9621		CIM2 Min	-2.4693	-0.0754	2.945	-0.0521	-0.1403	-0.0002
Base	-9621		CIM3 Max	0.3629	0.361	4.2739	0.3036	0.0164	0.0005
Base	-9621		CIM3 Min	-0.3259	-0.3628	2.4835	-0.2998	-0.015	-0.0005
Base	-9621		CIM4 Max	1.9062	0.055	4.1622	0.0425	0.1074	0.0001
Base	-9621		CIM4 Min	-1.8255	-0.0569	3.5362	-0.0365	-0.1041	-0.0002
Base	-9621		CIM5 Max	0.2966	0.2705	4.5306	0.2263	0.0134	0.0004
Base	-9621		CIM5 Min	-0.2179	-0.2724	3.1676	-0.2242	-0.0102	-0.0004
Base	-9621		CIM6 Max	2.4969	0.074	2.4579	0.0551	0.1414	0.0002
Base	-9621		CIM6 Min	-2.4767	-0.0751	1.5865	-0.0529	-0.1406	-0.0002
Base	-9621		CIM7 Max	0.3555	0.3614	2.9224	0.3026	0.0161	0.0005
Base	-9621		CIM7 Min	-0.3333	-0.3624	1.132	-0.3006	-0.0153	-0.0005
Base	-9626		PP	0.0026	-3.066E-05	2.6963	0.0006	0.0003	-4.378E-06
Base	-9626		CA	0.016	0.0001	0.5145	2.965E-05	0.0009	-1.511E-06
Base	-9626		CV	0.0296	0.0001	0.6725	2.604E-05	0.0014	-1.065E-06
Base	-9626		SX Max	2.5727	0.0593	0.3246	0.0487	0.1478	0.0001
Base	-9626		SY Max	0.2878	0.6201	0.6559	0.4963	0.0127	0.0002
Base	-9626		CIM1	0.0504	0.0001	4.0634	0.0007	0.0025	-6.973E-06
Base	-9626		CIM2 Max	2.2646	0.0523	3.6967	0.0435	0.1312	0.0001
Base	-9626		CIM2 Min	-2.2431	-0.0521	3.125	-0.0422	-0.1269	-0.0001
Base	-9626		CIM3 Max	0.2741	0.5457	3.966	0.4374	0.0123	0.0002
Base	-9626		CIM3 Min	-0.2324	-0.5456	2.6336	-0.4361	-0.01	-0.0002
Base	-9626		CIM4 Max	1.741	0.0393	4.1296	0.0326	0.0997	0.0001
Base	-9626		CIM4 Min	-1.6549	-0.039	3.7006	-0.0315	-0.0953	-0.0001
Base	-9626		CIM5 Max	0.233	0.4093	4.3451	0.3262	0.0106	0.0002
Base	-9626		CIM5 Min	-0.1469	-0.4091	3.4523	-0.3269	-0.0062	-0.0002
Base	-9626		CIM6 Max	2.2764	0.0522	2.3323	0.0433	0.1307	0.0001
Base	-9626		CIM6 Min	-2.2515	-0.0522	1.7606	-0.0425	-0.1293	-0.0001
Base	-9626		CIM7 Max	0.2656	0.5457	2.6237	0.4371	0.0116	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9626		CIM7 Min	-0.2406	-0.5456	1.4693	-0.4363	-0.0105	-0.0002
Base	-9631		PP	-0.0169	0.0001	2.9156	0.0002	-0.001	-1.599E-06
Base	-9631		CA	0.0165	0.0001	0.5319	-1.42E-05	0.0008	-5.399E-07
Base	-9631		CV	0.025	4.005E-05	0.7014	-2.056E-05	0.0012	0
Base	-9631		SX Max	2.3134	0.0479	0.2423	0.0376	0.1351	0.0001
Base	-9631		SY Max	0.1964	0.7613	0.4345	0.6116	0.0091	0.0003
Base	-9631		CIM1	0.0246	0.0002	4.1469	0.0002	0.001	-2.523E-06
Base	-9631		CIM2 Max	2.0354	0.0423	3.6606	0.0332	0.1166	4.741E-05
Base	-9631		CIM2 Min	-2.0362	-0.0419	3.2343	-0.0329	-0.1191	-0.0001
Base	-9631		CIM3 Max	0.1742	0.6701	3.6299	0.5384	0.0076	0.0002
Base	-9631		CIM3 Min	-0.175	-0.6696	3.0651	-0.536	-0.0083	-0.0002
Base	-9631		CIM4 Max	1.5452	0.0316	4.1335	0.025	0.0898	3.473E-05
Base	-9631		CIM4 Min	-1.5065	-0.0314	3.6136	-0.0246	-0.0885	-3.959E-05
Base	-9631		CIM5 Max	0.1493	0.5027	4.2603	0.4036	0.0067	0.0002
Base	-9631		CIM5 Min	-0.1125	-0.5023	3.6866	-0.4035	-0.0054	-0.0002
Base	-9631		CIM6 Max	2.0356	0.0422	2.2617	0.0332	0.1167	4.826E-05
Base	-9631		CIM6 Min	-2.0361	-0.042	1.6553	-0.0329	-0.119	-0.0001
Base	-9631		CIM7 Max	0.1743	0.6701	2.4509	0.5383	0.0079	0.0002
Base	-9631		CIM7 Min	-0.1746	-0.6699	1.6661	-0.5361	-0.0082	-0.0002
Base	-9636		PP	-0.0505	0.0001	2.9271	3.704E-05	-0.0026	-7.769E-07
Base	-9636		CA	0.0116	2.165E-05	0.5466	-1.262E-05	0.0004	0
Base	-9636		CV	0.0175	1.95E-05	0.7276	-2.973E-05	0.0006	0
Base	-9636		SX Max	2.0967	0.0442	0.5967	0.0307	0.1253	0.0001
Base	-9636		SY Max	0.1297	0.6431	0.3005	0.6664	0.0059	0.0002
Base	-9636		CIM1	-0.0216	0.0002	4.2034	-5.311E-06	-0.0016	-1.004E-06
Base	-9636		CIM2 Max	1.8077	0.039	4.2667	0.0271	0.1061	0.0001
Base	-9636		CIM2 Min	-1.8661	-0.0386	2.665	-0.027	-0.1124	-0.0001
Base	-9636		CIM3 Max	0.0749	0.742	3.7403	0.6041	0.003	0.0002
Base	-9636		CIM3 Min	-0.1534	-0.7416	3.2114	-0.604	-0.0073	-0.0002
Base	-9636		CIM4 Max	1.359	0.0293	4.6146	0.0203	0.0809	3.965E-05
Base	-9636		CIM4 Min	-1.4113	-0.029	3.4264	-0.0203	-0.0845	-4.16E-05
Base	-9636		CIM5 Max	0.0585	0.5566	4.2196	0.453	0.0021	0.0001
Base	-9636		CIM5 Min	-0.1117	-0.5563	3.6231	-0.453	-0.0056	-0.0001
Base	-9636		CIM6 Max	1.8234	0.039	2.8764	0.0271	0.1069	0.0001
Base	-9636		CIM6 Min	-1.8704	-0.0386	1.2946	-0.027	-0.1116	-0.0001
Base	-9636		CIM7 Max	0.0906	0.742	2.35	0.6041	0.0039	0.0002
Base	-9636		CIM7 Min	-0.1377	-0.7416	1.821	-0.604	-0.0065	-0.0002
Base	-9641		PP	-0.1042	0.0001	2.9232	-1.619E-05	-0.0053	0
Base	-9641		CA	0.0025	3.165E-06	0.5639	-4.712E-06	0.0003	0
Base	-9641		CV	0.0066	7.662E-06	0.7519	-2.919E-05	0.0006	0
Base	-9641		SX Max	1.935	0.0396	1.6022	0.0261	0.1177	0.0001
Base	-9641		SY Max	0.085	0.6793	0.2192	0.7289	0.004	0.0003
Base	-9641		CIM1	-0.095	0.0001	4.2369	-0.0001	-0.0044	0
Base	-9641		CIM2 Max	1.601	0.0349	5.073	0.023	0.0955	0.0001
Base	-9641		CIM2 Min	-1.6046	-0.0346	1.9011	-0.023	-0.1056	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9641		CIM3 Max	-0.027	0.7739	3.6799	0.6414	-0.0016	0.0002
Base	-9641		CIM3 Min	-0.1765	-0.7737	3.2942	-0.6415	-0.0065	-0.0002
Base	-9641		CIM4 Max	1.1604	0.0262	5.2404	0.0172	0.0731	4.527E-05
Base	-9641		CIM4 Min	-1.3738	-0.026	2.6615	-0.0173	-0.0822	-4.602E-05
Base	-9641		CIM5 Max	-0.0406	0.5604	4.1956	0.461	-0.0019	0.0002
Base	-9641		CIM5 Min	-0.1526	-0.5603	3.9063	-0.4611	-0.0072	-0.0002
Base	-9641		CIM6 Max	1.6417	0.0349	3.6752	0.023	0.1005	0.0001
Base	-9641		CIM6 Min	-1.7639	-0.0346	0.5063	-0.023	-0.1066	-0.0001
Base	-9641		CIM7 Max	0.0137	0.7739	2.2651	0.6414	0.0005	0.0002
Base	-9641		CIM7 Min	-0.1356	-0.7736	1.6993	-0.6415	-0.0065	-0.0002
Base	-9646		PP	-0.1756	4.366E-05	2.6899	-3.255E-05	-0.0093	0
Base	-9646		CA	-0.0157	-3.663E-06	0.5753	1.05E-06	-0.0012	0
Base	-9646		CV	-0.0173	3.431E-06	0.7725	-2.746E-05	-0.0017	0
Base	-9646		SX Max	1.5146	0.0333	2.9166	0.0225	0.1135	0.0001
Base	-9646		SY Max	0.06	0.6676	0.1665	0.7526	0.0026	0.0003
Base	-9646		CIM1	-0.2115	4.343E-05	4.2476	-0.0001	-0.0122	0
Base	-9646		CIM2 Max	1.4026	0.0294	6.0436	0.0197	0.0694	0.0001
Base	-9646		CIM2 Min	-1.7913	-0.0293	0.9069	-0.0196	-0.1105	-0.0001
Base	-9646		CIM3 Max	-0.1414	0.7612	3.6236	0.6623	-0.008	0.0003
Base	-9646		CIM3 Min	-0.2471	-0.7611	3.327	-0.6623	-0.013	-0.0003
Base	-9646		CIM4 Max	0.9906	0.022	5.961	0.0146	0.0631	4.136E-05
Base	-9646		CIM4 Min	-1.405	-0.022	2.1264	-0.0149	-0.0866	-4.162E-05
Base	-9646		CIM5 Max	-0.1676	0.5659	4.1659	0.4967	-0.0099	0.0002
Base	-9646		CIM5 Min	-0.2466	-0.5656	3.9435	-0.4966	-0.0137	-0.0002
Base	-9646		CIM6 Max	1.4605	0.0293	4.6535	0.0197	0.0936	0.0001
Base	-9646		CIM6 Min	-1.7136	-0.0293	-0.4632	-0.0196	-0.1062	-0.0001
Base	-9646		CIM7 Max	-0.0637	0.7611	2.2335	0.6623	-0.0036	0.0003
Base	-9646		CIM7 Min	-0.1694	-0.7611	1.9369	-0.6623	-0.0066	-0.0003
Base	-9651		PP	-0.2659	2.779E-05	2.6535	-3.491E-05	-0.0146	0
Base	-9651		CA	-0.0366	-5.909E-06	0.5615	4.664E-06	-0.0014	0
Base	-9651		CV	-0.0457	3.629E-06	0.7673	-2.593E-05	-0.0013	0
Base	-9651		SX Max	1.7537	0.0267	4.3064	0.0203	0.1138	3.097E-05
Base	-9651		SY Max	0.0469	0.6912	0.1371	0.7777	0.0025	0.0005
Base	-9651		CIM1	-0.3702	2.571E-05	4.2223	-0.0001	-0.0173	0
Base	-9651		CIM2 Max	1.2167	0.0235	7.2265	0.0179	0.0641	2.725E-05
Base	-9651		CIM2 Min	-1.5677	-0.0235	-0.3564	-0.0179	-0.1161	-2.727E-05
Base	-9651		CIM3 Max	-0.2615	0.7643	3.5556	0.6644	-0.0136	0.0004
Base	-9651		CIM3 Min	-0.3675	-0.7643	3.3144	-0.6644	-0.0182	-0.0004
Base	-9651		CIM4 Max	0.7967	0.0177	6.6691	0.0134	0.0561	2.046E-05
Base	-9651		CIM4 Min	-1.5162	-0.0176	1.1619	-0.0135	-0.0921	-2.042E-05
Base	-9651		CIM5 Max	-0.3265	0.5662	4.116	0.5132	-0.0154	0.0003
Base	-9651		CIM5 Min	-0.391	-0.5662	3.935	-0.5133	-0.0186	-0.0003
Base	-9651		CIM6 Max	1.3485	0.0235	5.6524	0.0179	0.0905	2.725E-05
Base	-9651		CIM6 Min	-1.7379	-0.0235	-1.7304	-0.0179	-0.1097	-2.726E-05
Base	-9651		CIM7 Max	-0.1517	0.7643	2.1616	0.6644	-0.0074	0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-9651		CIM7 Min	-0.2377	-0.7643	1.9404	-0.6844	-0.0116	-0.0004
Base	-9656		PP	-0.3993	2.466E-05	2.9061	-3.296E-05	-0.0232	0
Base	-9656		CA	-0.0755	-8.558E-06	0.6036	7.445E-06	-0.0052	0
Base	-9656		CV	-0.0995	5.695E-06	0.8214	-2.201E-05	-0.0072	0
Base	-9656		SX Max	1.6236	0.0305	6.6161	0.0248	0.1193	0.0001
Base	-9656		SY Max	0.0404	0.9957	0.1345	0.822	0.0023	0.0029
Base	-9656		CIM1	-0.5743	2.152E-05	4.3332	-4.755E-05	-0.0356	0
Base	-9656		CIM2 Max	0.9541	0.0269	9.3339	0.0216	0.0767	0.0001
Base	-9656		CIM2 Min	-1.9037	-0.0266	-2.3104	-0.0219	-0.1334	-0.0001
Base	-9656		CIM3 Max	-0.4393	0.6762	3.6301	0.7233	-0.0264	0.0025
Base	-9656		CIM3 Min	-0.5103	-0.6762	3.3934	-0.7234	-0.0303	-0.0025
Base	-9656		CIM4 Max	0.5222	0.0202	6.4945	0.0163	0.045	0.0001
Base	-9656		CIM4 Min	-1.6211	-0.0201	-0.2356	-0.0164	-0.1125	-0.0001
Base	-9656		CIM5 Max	-0.5226	0.6572	4.2166	0.5425	-0.0323	0.0019
Base	-9656		CIM5 Min	-0.5761	-0.6571	4.039	-0.5426	-0.0353	-0.0019
Base	-9656		CIM6 Max	1.144	0.0269	7.9292	0.0216	0.066	0.0001
Base	-9656		CIM6 Min	-1.7136	-0.0266	-3.7151	-0.0219	-0.122	-0.0001
Base	-9656		CIM7 Max	-0.2493	0.6762	2.2254	0.7234	-0.015	0.0025
Base	-9656		CIM7 Min	-0.3204	-0.6762	1.9887	-0.7234	-0.019	-0.0025
Base	-13416		PP	-0.0001	0.1705	1.5231	-0.009	-4.563E-05	-2.006E-06
Base	-13416		CA	-0.0004	0.0636	0.2431	-0.0031	-0.0003	-3.132E-06
Base	-13416		CV	-0.0003	0.0414	0.1322	-0.0022	-0.0002	-2.124E-06
Base	-13416		SX Max	0.143	0.2532	0.1597	0.016	0.1442	0.0006
Base	-13416		SY Max	0.0934	2.103	1.0134	0.1344	0.036	0.0002
Base	-13416		CIM1	-0.0005	0.2756	1.5964	-0.0143	-0.0005	-7.262E-06
Base	-13416		CIM2 Max	0.1253	0.4633	1.9066	0.0037	0.1266	0.0007
Base	-13416		CIM2 Min	-0.1264	-0.015	1.6256	-0.026	-0.1272	-0.0007
Base	-13416		CIM3 Max	0.0617	2.0648	2.656	0.1062	0.0331	0.0002
Base	-13416		CIM3 Min	-0.0626	-1.6165	0.8744	-0.1305	-0.0337	-0.0002
Base	-13416		CIM4 Max	0.0936	0.4521	1.9705	-0.0019	0.0947	0.0005
Base	-13416		CIM4 Min	-0.0951	0.0763	1.7599	-0.0257	-0.0956	-0.0006
Base	-13416		CIM5 Max	0.0609	1.6532	2.5342	0.075	0.0246	0.0001
Base	-13416		CIM5 Min	-0.0624	-1.1226	1.1965	-0.1025	-0.0255	-0.0001
Base	-13416		CIM6 Max	0.1255	0.3697	1.2003	0.0056	0.1267	0.0007
Base	-13416		CIM6 Min	-0.1262	-0.1057	0.9191	-0.0231	-0.1271	-0.0007
Base	-13416		CIM7 Max	0.0619	1.9911	1.9515	0.111	0.0332	0.0002
Base	-13416		CIM7 Min	-0.0626	-1.7101	0.1679	-0.1256	-0.0336	-0.0002
Base	-13426		PP	-6.667E-06	0.0522	1.5466	-0.0039	-1.622E-05	0
Base	-13426		CA	-4.269E-05	0.0505	0.2702	-0.0026	-0.0001	1.261E-06
Base	-13426		CV	-3.169E-05	0.0346	0.1422	-0.002	-0.0001	8.612E-07
Base	-13426		SX Max	0.3373	0.2904	0.0694	0.0174	0.2907	0.0007
Base	-13426		SY Max	0.0736	2.1456	0.0679	0.1291	0.0445	0.0002
Base	-13426		CIM1	-0.0001	0.1674	1.9592	-0.0067	-0.0002	2.483E-06
Base	-13426		CIM2 Max	0.2966	0.3663	1.876	0.0056	0.2557	0.0006
Base	-13426		CIM2 Min	-0.2969	-0.1226	1.7559	-0.022	-0.2559	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13426		CIM3 Max	0.0649	2.0237	1.6767	0.1069	0.039	0.0002
Base	-13426		CIM3 Min	-0.065	-1.7582	1.7572	-0.1203	-0.0392	-0.0002
Base	-13426		CIM4 Max	0.2225	0.3504	1.9694	0.0033	0.1917	0.0004
Base	-13426		CIM4 Min	-0.2227	-0.0329	1.6776	-0.0197	-0.192	-0.0004
Base	-13426		CIM5 Max	0.0466	1.5769	1.9684	0.077	0.0292	0.0002
Base	-13426		CIM5 Min	-0.0466	-1.2595	1.6766	-0.0934	-0.0295	-0.0002
Base	-13426		CIM6 Max	0.2966	0.3352	1.1512	0.0113	0.2556	0.0006
Base	-13426		CIM6 Min	-0.2969	-0.1759	1.0291	-0.0193	-0.2559	-0.0006
Base	-13426		CIM7 Max	0.0649	1.9706	1.1499	0.1095	0.0391	0.0002
Base	-13426		CIM7 Min	-0.065	-1.6113	1.0304	-0.1176	-0.0392	-0.0002
Base	-13432		PP	1.609E-06	0.0056	1.5639	-0.0004	-4.303E-06	0
Base	-13432		CA	-1.266E-06	0.0264	0.3	-0.0006	-2.614E-05	0
Base	-13432		CV	-5.153E-06	0.0227	0.1543	-0.0009	-3.743E-05	0
Base	-13432		SX Max	0.5006	0.2779	0.1271	0.0167	0.441	0.0002
Base	-13432		SY Max	0.0546	2.0507	0.6455	0.1235	0.0456	0.0001
Base	-13432		CIM1	-5.611E-06	0.0599	2.0162	-0.0021	-0.0001	5.633E-07
Base	-13432		CIM2 Max	0.4407	0.2617	1.9757	0.0135	0.3661	0.0002
Base	-13432		CIM2 Min	-0.4407	-0.2074	1.752	-0.0159	-0.3661	-0.0002
Base	-13432		CIM3 Max	0.0463	1.6416	2.6079	0.1075	0.0401	0.0001
Base	-13432		CIM3 Min	-0.0463	-1.7675	1.1196	-0.1099	-0.0402	-0.0001
Base	-13432		CIM4 Max	0.3305	0.2376	2.0635	0.0091	0.291	0.0002
Base	-13432		CIM4 Min	-0.3305	-0.1292	1.6957	-0.0129	-0.2911	-0.0002
Base	-13432		CIM5 Max	0.0362	1.4077	2.5376	0.0796	0.03	0.0001
Base	-13432		CIM5 Min	-0.0362	-1.2993	1.4216	-0.0834	-0.0302	-0.0001
Base	-13432		CIM6 Max	0.4407	0.2669	1.2302	0.014	0.3661	0.0002
Base	-13432		CIM6 Min	-0.4407	-0.2223	1.0065	-0.0154	-0.3661	-0.0002
Base	-13432		CIM7 Max	0.0463	1.6269	1.6624	0.106	0.0401	0.0001
Base	-13432		CIM7 Min	-0.0463	-1.7623	0.3743	-0.1094	-0.0401	-0.0001
Base	-13436		PP	1.241E-06	-0.0646	1.5551	0.0029	-1.071E-06	0
Base	-13436		CA	5.604E-06	0.0102	0.3234	-0.0011	-3.669E-06	0
Base	-13436		CV	-3.264E-06	0.0126	0.162	-0.001	-2.212E-05	0
Base	-13436		SX Max	0.6372	0.2575	0.262	0.0165	0.5651	0.0005
Base	-13436		SY Max	0.067	1.9095	1.6974	0.1224	0.0625	0.0001
Base	-13436		CIM1	3.761E-06	-0.042	2.0405	0.0008	-2.706E-05	0
Base	-13436		CIM2 Max	0.5607	0.1721	2.1091	0.0163	0.5175	0.0005
Base	-13436		CIM2 Min	-0.5607	-0.2612	1.645	-0.0126	-0.5175	-0.0004
Base	-13436		CIM3 Max	0.059	1.6256	3.5463	0.1096	0.055	0.0001
Base	-13436		CIM3 Min	-0.059	-1.7349	0.2066	-0.1059	-0.055	-0.0001
Base	-13436		CIM4 Max	0.4205	0.1246	2.173	0.0119	0.3661	0.0003
Base	-13436		CIM4 Min	-0.4205	-0.2151	1.6271	-0.0095	-0.3662	-0.0003
Base	-13436		CIM5 Max	0.0442	1.2151	3.2523	0.0618	0.0412	4.213E-05
Base	-13436		CIM5 Min	-0.0442	-1.3054	0.7477	-0.0797	-0.0412	-4.178E-05
Base	-13436		CIM6 Max	0.5607	0.1939	1.3577	0.0156	0.5175	0.0005
Base	-13436		CIM6 Min	-0.5607	-0.2594	0.6966	-0.0134	-0.5175	-0.0004
Base	-13436		CIM7 Max	0.059	1.6476	2.7969	0.1066	0.055	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	13435		CIM7 Min	-0.059	-1.7131	-0.5426	-0.1066	-0.055	-0.0001
Base	13444		PP	8.882E-07	-0.1481	1.5616	0.0083	0	0
Base	13444		CA	9.609E-06	-0.0233	0.3464	0.0022	7.213E-06	0
Base	13444		CV	-3.656E-06	-0.0063	0.1655	0.0007	-1.408E-05	0
Base	13444		SX Max	0.5736	0.21	0.5396	0.015	0.7477	0.003
Base	13444		SY Max	0.1077	1.57	3.9326	0.1117	0.0907	0.0004
Base	13444		CIM1	7.039E-06	-0.1777	2.0735	0.0112	-6.653E-06	0
Base	13444		CIM2 Max	0.7666	0.0134	2.363	0.0236	0.656	0.0027
Base	13444		CIM2 Min	-0.7666	-0.3562	1.433	-0.0027	-0.656	-0.0027
Base	13444		CIM3 Max	0.0946	1.2102	5.3669	0.1056	0.0796	0.0003
Base	13444		CIM3 Min	-0.0946	-1.553	-1.5526	-0.0676	-0.0796	-0.0003
Base	13444		CIM4 Max	0.5766	-0.0375	2.3664	0.0209	0.4935	0.002
Base	13444		CIM4 Min	-0.5766	-0.3147	1.6759	0.0012	-0.4935	-0.002
Base	13444		CIM5 Max	0.0711	0.8601	4.6276	0.0647	0.0598	0.0002
Base	13444		CIM5 Min	-0.0711	-1.2123	-0.5635	-0.0627	-0.0599	-0.0002
Base	13444		CIM6 Max	0.7666	0.052	1.6196	0.0194	0.656	0.0027
Base	13444		CIM6 Min	-0.7666	-0.2676	0.6696	-0.0069	-0.656	-0.0027
Base	13444		CIM7 Max	0.0946	1.2766	4.6056	0.1046	0.0796	0.0003
Base	13444		CIM7 Min	-0.0946	-1.4644	-2.316	-0.092	-0.0796	-0.0003
Base	13454		PP	0	0.1113	1.7293	-0.0077	0	0
Base	13454		CA	7.773E-06	0.156	0.6893	-0.0135	1.401E-05	0
Base	13454		CV	-7.624E-06	0.0649	0.3669	-0.0074	-1.219E-05	0
Base	13454		SX Max	0.7734	0.0752	0.2061	0.0053	0.72	0.0033
Base	13454		SY Max	0.0061	0.6726	1.4802	0.0646	0.0074	3.769E-05
Base	13454		CIM1	0	0.3541	2.7675	-0.0266	2.131E-06	0
Base	13454		CIM2 Max	0.6606	0.3354	2.6	-0.014	0.6336	0.0029
Base	13454		CIM2 Min	-0.6606	0.2031	2.2372	-0.0266	-0.6335	-0.0029
Base	13454		CIM3 Max	0.0071	0.8611	3.7212	0.0355	0.0065	3.343E-05
Base	13454		CIM3 Min	-0.0071	-0.3226	1.1161	-0.0761	-0.0065	-3.327E-05
Base	13454		CIM4 Max	0.5105	0.3625	2.6313	-0.0213	0.4752	0.0022
Base	13454		CIM4 Min	-0.5105	0.2633	2.5593	-0.0323	-0.4752	-0.0022
Base	13454		CIM5 Max	0.0053	0.7768	3.6722	0.0156	0.0049	2.504E-05
Base	13454		CIM5 Min	-0.0053	-0.111	1.7164	-0.0694	-0.0049	-2.495E-05
Base	13454		CIM6 Max	0.6606	0.2277	1.6325	-0.0055	0.6336	0.0029
Base	13454		CIM6 Min	-0.6606	0.0954	1.2696	-0.0201	-0.6335	-0.0029
Base	13454		CIM7 Max	0.0071	0.7534	2.7537	0.0441	0.0065	3.339E-05
Base	13454		CIM7 Min	-0.0071	-0.4303	0.1456	-0.0696	-0.0065	-3.33E-05
Base	13464		PP	6.109E-07	-0.0496	1.7041	0.0036	7.626E-07	0
Base	13464		CA	1.023E-05	0.0602	0.6317	2.006E-05	1.609E-05	0
Base	13464		CV	-6.282E-06	0.0336	0.3243	-0.0002	-1.105E-05	0
Base	13464		SX Max	0.7736	0.0611	0.2673	0.0093	0.7203	0.0033
Base	13464		SY Max	0.0065	0.7048	1.9391	0.0714	0.0076	3.906E-05
Base	13464		CIM1	4.557E-06	0.0443	2.6601	0.0035	5.806E-06	0
Base	13464		CIM2 Max	0.6609	0.052	2.5711	0.012	0.6339	0.0029
Base	13464		CIM2 Min	-0.6609	-0.0607	2.1006	-0.0044	-0.6339	-0.0029

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13464		CIM3 Max	0.0075	0.6309	4.0423	0.0666	0.0067	3.429E-05
Base	-13464		CIM3 Min	-0.0074	-0.6096	0.6294	-0.0591	-0.0067	-3.449E-05
Base	-13464		CIM4 Max	0.5107	0.0694	2.7555	0.0096	0.4754	0.0022
Base	-13464		CIM4 Min	-0.5107	-0.0177	2.4026	-0.0026	-0.4754	-0.0022
Base	-13464		CIM5 Max	0.0056	0.501	3.6569	0.0507	0.0051	2.574E-05
Base	-13464		CIM5 Min	-0.0056	-0.4293	1.2992	-0.0435	-0.005	-2.564E-05
Base	-13464		CIM6 Max	0.6609	0.0776	1.6367	0.0105	0.6339	0.0029
Base	-13464		CIM6 Min	-0.6609	-0.065	1.1663	-0.006	-0.6339	-0.0029
Base	-13464		CIM7 Max	0.0075	0.6266	3.1079	0.0651	0.0067	3.433E-05
Base	-13464		CIM7 Min	-0.0074	-0.6139	-0.3049	-0.0606	-0.0067	-3.445E-05
Base	-13474		PP	0.0001	0.0972	1.3706	-0.0054	0.0002	1.249E-06
Base	-13474		CA	3.589E-05	0.0027	0.0512	-0.0001	0.0001	0
Base	-13474		CV	7.26E-06	0.0044	0.0392	-0.0003	8.41E-06	0
Base	-13474		SX Max	0.5957	0.1749	0.4226	0.012	0.4923	0.0019
Base	-13474		SY Max	0.1961	0.9763	3.0657	0.077	0.1652	0.0007
Base	-13474		CIM1	0.0002	0.1042	1.4611	-0.0059	0.0003	1.624E-06
Base	-13474		CIM2 Max	0.5244	0.2536	1.7936	0.0051	0.4335	0.0017
Base	-13474		CIM2 Min	-0.524	-0.0541	1.05	-0.0161	-0.433	-0.0017
Base	-13474		CIM3 Max	0.1745	0.9607	4.1197	0.0622	0.1456	0.0006
Base	-13474		CIM3 Min	-0.1742	-0.761	-1.276	-0.0733	-0.1451	-0.0006
Base	-13474		CIM4 Max	0.3933	0.2156	1.7302	0.0022	0.3252	0.0013
Base	-13474		CIM4 Min	-0.393	-0.0124	1.1724	-0.0137	-0.3247	-0.0013
Base	-13474		CIM5 Max	0.131	0.7466	3.4747	0.0451	0.1093	0.0004
Base	-13474		CIM5 Min	-0.1306	-0.5426	-0.5721	-0.0566	-0.1086	-0.0004
Base	-13474		CIM6 Max	0.5243	0.2139	1.225	0.0073	0.4334	0.0017
Base	-13474		CIM6 Min	-0.5241	-0.094	0.4512	-0.0139	-0.4331	-0.0017
Base	-13474		CIM7 Max	0.1745	0.9208	3.551	0.0645	0.1455	0.0006
Base	-13474		CIM7 Min	-0.1743	-0.801	-1.8447	-0.0711	-0.1452	-0.0006
Base	-13484		PP	0.0003	0.0053	1.3499	-0.0007	0.0004	2.004E-06
Base	-13484		CA	0.0001	-0.002	0.0546	0.0002	0.0001	6.169E-07
Base	-13484		CV	2.132E-05	0.0024	0.0332	-0.0002	2.396E-05	0
Base	-13484		SX Max	0.2636	0.2132	0.2379	0.0132	0.2916	0.0005
Base	-13484		SY Max	0.113	1.1593	1.1445	0.0637	0.1041	0.0002
Base	-13484		CIM1	0.0004	0.0057	1.4379	-0.0007	0.0005	2.83E-06
Base	-13484		CIM2 Max	0.2499	0.194	1.6141	0.0111	0.2571	0.0005
Base	-13484		CIM2 Min	-0.2491	-0.1613	1.1953	-0.0121	-0.2562	-0.0005
Base	-13484		CIM3 Max	0.0996	1.0265	2.4119	0.0731	0.092	0.0002
Base	-13484		CIM3 Min	-0.099	-1.0136	0.3975	-0.0741	-0.0911	-0.0002
Base	-13484		CIM4 Max	0.1676	0.1456	1.5666	0.0051	0.193	0.0003
Base	-13484		CIM4 Min	-0.1667	-0.1326	1.2726	-0.0093	-0.192	-0.0003
Base	-13484		CIM5 Max	0.075	0.7733	2.165	0.0546	0.0692	0.0001
Base	-13484		CIM5 Min	-0.0741	-0.757	0.6742	-0.0559	-0.0682	-0.0001
Base	-13484		CIM6 Max	0.2496	0.1914	1.0522	0.0113	0.2569	0.0005
Base	-13484		CIM6 Min	-0.2493	-0.1636	0.6334	-0.0119	-0.2564	-0.0005
Base	-13484		CIM7 Max	0.0996	1.024	1.65	0.0733	0.0919	0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13484		CIM7 Min	-0.0992	-1.0164	-0.1644	-0.0739	-0.0913	-0.0002
Base	-13490		PP	0.0013	-0.092	1.3406	0.0049	0.0007	-6.01E-06
Base	-13490		CA	0.0003	-0.0066	0.0597	0.0004	0.0002	-1.555E-06
Base	-13490		CV	0.0001	-0.0001	0.0294	-3.667E-05	0.0001	-5.479E-07
Base	-13490		SX Max	0.09	0.2004	0.2963	0.0134	0.1278	0.0006
Base	-13490		SY Max	0.0726	1.1551	0.3546	0.083	0.0511	0.0002
Base	-13490		CIM1	0.0017	-0.0957	1.4296	0.0052	0.001	-6.146E-06
Base	-13490		CIM2 Max	0.0506	0.0776	1.6612	0.0171	0.1134	0.0006
Base	-13490		CIM2 Min	-0.0776	-0.275	1.1397	-0.0065	-0.1115	-0.0006
Base	-13490		CIM3 Max	0.0657	0.9179	1.7126	0.0763	0.0459	0.0002
Base	-13490		CIM3 Min	-0.0625	-1.1152	1.0662	-0.0677	-0.044	-0.0002
Base	-13490		CIM4 Max	0.0611	0.0336	1.616	0.0141	0.0653	0.0004
Base	-13490		CIM4 Min	-0.0577	-0.231	1.2269	-0.0036	-0.0634	-0.0004
Base	-13490		CIM5 Max	0.0496	0.6637	1.6566	0.06	0.0347	0.0001
Base	-13490		CIM5 Min	-0.0464	-0.6611	1.1683	-0.0495	-0.0327	-0.0002
Base	-13490		CIM6 Max	0.0502	0.1172	1.101	0.015	0.113	0.0006
Base	-13490		CIM6 Min	-0.0763	-0.2356	0.5795	-0.0066	-0.1119	-0.0006
Base	-13490		CIM7 Max	0.0651	0.9574	1.1524	0.0762	0.0455	0.0002
Base	-13490		CIM7 Min	-0.0631	-1.0757	0.5261	-0.0695	-0.0444	-0.0002
Base	-13500		PP	0.1659	-0.0056	1.3825	0.0031	0.0094	0.0001
Base	-13500		CA	0.0217	-0.0005	0.0653	0.0003	0.0015	4.751E-06
Base	-13500		CV	0.0087	-0.0001	0.0206	4.791E-05	0.0006	1.369E-06
Base	-13500		SX Max	2.2096	0.1312	2.2741	0.0369	0.1426	0.0007
Base	-13500		SY Max	0.3162	0.1007	2.2595	0.0479	0.0117	0.0007
Base	-13500		CIM1	0.1964	-0.0062	1.4664	0.0034	0.0114	0.0001
Base	-13500		CIM2 Max	2.132	0.1093	3.4491	0.0359	0.1366	0.0007
Base	-13500		CIM2 Min	-1.7566	-0.1215	-0.5534	-0.0291	-0.1146	-0.0006
Base	-13500		CIM3 Max	0.4659	0.0626	3.4362	0.0455	0.0211	0.0007
Base	-13500		CIM3 Min	-0.0906	-0.0947	-0.5406	-0.0365	0.0006	-0.0005
Base	-13500		CIM4 Max	1.6525	0.0604	2.9642	0.0276	0.1056	0.0005
Base	-13500		CIM4 Min	-1.2641	-0.0926	-0.0377	-0.021	-0.053	-0.0004
Base	-13500		CIM5 Max	0.4029	0.0603	2.9546	0.035	0.019	0.0005
Base	-13500		CIM5 Min	-0.0145	-0.0727	-0.026	-0.0262	0.0036	-0.0004
Base	-13500		CIM6 Max	2.057	0.1118	2.6699	0.0345	0.1322	0.0007
Base	-13500		CIM6 Min	-1.8316	-0.1191	-1.1325	-0.0305	-0.1192	-0.0006
Base	-13500		CIM7 Max	0.3909	0.055	2.6571	0.0441	0.0166	0.0006
Base	-13500		CIM7 Min	-0.1657	-0.0923	-1.1197	-0.0401	-0.0037	-0.0006
Base	-13506		PP	0.1272	-0.0039	1.3792	0.0025	0.0066	-4.91E-05
Base	-13506		CA	0.0216	-0.0002	0.0637	0.0002	0.001	-2.155E-06
Base	-13506		CV	0.0076	-4.995E-05	0.0236	2.777E-05	0.0003	0
Base	-13506		SX Max	2.3904	0.055	1.1542	0.0236	0.1453	0.001
Base	-13506		SY Max	0.1409	0.1056	1.5516	0.0461	0.006	0.0009
Base	-13506		CIM1	0.1566	-0.0042	1.4664	0.0027	0.0076	-0.0001
Base	-13506		CIM2 Max	2.2526	0.0442	2.4566	0.0235	0.1354	0.0006
Base	-13506		CIM2 Min	-1.9546	-0.0525	0.4272	-0.0161	-0.1203	-0.0009

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13506		CIM3 Max	0.273	0.0668	3.0725	0.0433	0.0126	0.0007
Base	-13506		CIM3 Min	0.025	-0.0971	-0.1667	-0.0379	0.0023	-0.0006
Base	-13506		CIM4 Max	1.7325	0.0321	2.2223	0.0183	0.1037	0.0006
Base	-13506		CIM4 Min	-1.4226	-0.0405	0.6966	-0.0129	-0.0661	-0.0007
Base	-13506		CIM5 Max	0.2479	0.0655	2.6526	0.0332	0.0117	0.0005
Base	-13506		CIM5 Min	0.0616	-0.0739	0.2364	-0.0277	0.0036	-0.0006
Base	-13506		CIM6 Max	2.193	0.0459	1.6615	0.0224	0.1324	0.0006
Base	-13506		CIM6 Min	-2.0142	-0.0509	-0.15	-0.0192	-0.1233	-0.0009
Base	-13506		CIM7 Max	0.2134	0.0904	2.4953	0.0422	0.0096	0.0007
Base	-13506		CIM7 Min	-0.0346	-0.0954	-0.7639	-0.039	-0.0006	-0.0006
Base	-13512		PP	0.0467	-0.0039	1.6195	0.0019	0.0023	4.754E-05
Base	-13512		CA	0.0165	-0.0003	0.0565	0.0002	0.0006	3.354E-06
Base	-13512		CV	0.0063	-0.0001	0.0401	1.204E-05	0.0001	1.014E-06
Base	-13512		SX Max	2.9769	0.0536	0.3596	0.0532	0.1692	0.0004
Base	-13512		SY Max	0.5124	0.1224	1.3941	0.1465	0.0235	0.001
Base	-13512		CIM1	0.0715	-0.0042	1.7461	0.002	0.003	0.0001
Base	-13512		CIM2 Max	2.6646	0.0694	2.0246	0.0456	0.1519	0.0004
Base	-13512		CIM2 Min	-2.5545	-0.0777	1.3913	-0.0446	-0.146	-0.0003
Base	-13512		CIM3 Max	0.5161	0.1036	2.9346	0.1309	0.0239	0.0009
Base	-13512		CIM3 Min	-0.3857	-0.1119	0.4811	-0.1269	-0.016	-0.0006
Base	-13512		CIM4 Max	2.0346	0.051	1.9756	0.0371	0.1147	0.0003
Base	-13512		CIM4 Min	-1.8946	-0.0594	1.5006	-0.0331	-0.1067	-0.0002
Base	-13512		CIM5 Max	0.4061	0.0766	2.6562	0.0987	0.0167	0.0007
Base	-13512		CIM5 Min	-0.2663	-0.085	0.6179	-0.0947	-0.0127	-0.0006
Base	-13512		CIM6 Max	2.6567	0.0711	1.3414	0.048	0.1507	0.0004
Base	-13512		CIM6 Min	-2.5805	-0.0761	0.7061	-0.0456	-0.1472	-0.0004
Base	-13512		CIM7 Max	0.49	0.1052	2.2516	0.1301	0.0227	0.0009
Base	-13512		CIM7 Min	-0.4116	-0.1102	-0.2021	-0.1277	-0.0192	-0.0009
Base	-13516		PP	0.0277	2.455E-05	1.6217	0.0005	0.0016	-1.756E-05
Base	-13516		CA	0.0166	-1.75E-05	0.0961	0.0001	0.0014	-1.019E-06
Base	-13516		CV	0.0057	2.663E-06	0.0469	-1.173E-05	0.0005	0
Base	-13516		SX Max	3.0265	0.1251	0.145	0.0912	0.1652	0.0003
Base	-13516		SY Max	0.3555	0.3713	0.62	0.3167	0.0145	0.0006
Base	-13516		CIM1	0.0521	9.915E-06	1.7647	0.0005	0.0035	-1.917E-05
Base	-13516		CIM2 Max	2.7096	0.1125	1.6451	0.0506	0.151	0.0002
Base	-13516		CIM2 Min	-2.6169	-0.1126	1.5875	-0.0795	-0.1451	-0.0003
Base	-13516		CIM3 Max	0.3593	0.3266	2.4394	0.261	0.016	0.0007
Base	-13516		CIM3 Min	-0.2664	-0.3267	0.9962	-0.2799	-0.0101	-0.0006
Base	-13516		CIM4 Max	2.0462	0.0646	1.6507	0.0606	0.1144	0.0002
Base	-13516		CIM4 Min	-1.9466	-0.0646	1.6553	-0.0597	-0.1077	-0.0002
Base	-13516		CIM5 Max	0.2653	0.2451	2.2942	0.2109	0.0131	0.0005
Base	-13516		CIM5 Min	-0.1639	-0.2451	1.2116	-0.2095	-0.0064	-0.0006
Base	-13516		CIM6 Max	2.6912	0.1125	1.161	0.0506	0.1496	0.0002
Base	-13516		CIM6 Min	-2.6355	-0.1125	0.9004	-0.06	-0.1462	-0.0003
Base	-13516		CIM7 Max	0.3407	0.3266	1.7523	0.2606	0.0146	0.0007

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13516		CIM7 Min	-0.265	-0.3267	0.3091	-0.2601	-0.0113	-0.0006
Base	-13524		PP	0.0046	0.0001	1.6269	0.0001	4.231E-05	-2.129E-06
Base	-13524		CA	0.0094	-1.67E-06	0.102	3.975E-05	-5.253E-06	0
Base	-13524		CV	0.0002	7.463E-06	0.0514	-1.916E-05	-0.0003	0
Base	-13524		SX Max	3.0384	0.1556	0.0656	0.1126	0.1694	0.0001
Base	-13524		SY Max	0.2343	0.5941	0.5646	0.4775	0.0116	0.0004
Base	-13524		CIM1	0.0142	0.0001	1.7602	0.0001	-0.0002	-2.266E-06
Base	-13524		CIM2 Max	2.6676	0.1372	1.6042	0.0992	0.1492	0.0001
Base	-13524		CIM2 Min	-2.6597	-0.137	1.6535	-0.0969	-0.1491	-0.0001
Base	-13524		CIM3 Max	0.2202	0.5229	2.2256	0.4204	0.0104	0.0004
Base	-13524		CIM3 Min	-0.1922	-0.5227	1.2319	-0.4201	-0.0104	-0.0004
Base	-13524		CIM4 Max	2.0195	0.1029	1.6239	0.0744	0.1117	0.0001
Base	-13524		CIM4 Min	-1.9912	-0.1027	1.7109	-0.0742	-0.112	-0.0001
Base	-13524		CIM5 Max	0.1686	0.3922	2.1401	0.3153	0.0078	0.0003
Base	-13524		CIM5 Min	-0.1405	-0.392	1.3946	-0.315	-0.008	-0.0003
Base	-13524		CIM6 Max	2.6622	0.1372	1.1127	0.0992	0.1491	0.0001
Base	-13524		CIM6 Min	-2.6654	-0.1371	0.962	-0.099	-0.1491	-0.0001
Base	-13524		CIM7 Max	0.2146	0.5229	1.5343	0.4203	0.0104	0.0004
Base	-13524		CIM7 Min	-0.1978	-0.5226	0.5403	-0.4201	-0.0104	-0.0004
Base	-13530		PP	-0.0149	0.0001	1.6261	0.0001	-0.0005	0
Base	-13530		CA	0.0061	2.109E-06	0.1046	3.662E-05	0.001	0
Base	-13530		CV	-0.001	9.569E-06	0.0536	-1.91E-05	0.0002	0
Base	-13530		SX Max	3.0112	0.1535	0.203	0.1156	0.1661	0.0002
Base	-13530		SY Max	0.1197	0.7269	0.4693	0.573	0.006	0.0003
Base	-13530		CIM1	-0.0079	0.0001	1.7644	0.0001	0.0006	0
Base	-13530		CIM2 Max	2.643	0.1351	1.9095	0.102	0.1463	0.0001
Base	-13530		CIM2 Min	-2.6567	-0.135	1.5523	-0.1016	-0.1475	-0.0001
Base	-13530		CIM3 Max	0.0965	0.6397	2.1439	0.5043	0.0057	0.0003
Base	-13530		CIM3 Min	-0.1122	-0.6396	1.3179	-0.5042	-0.0049	-0.0003
Base	-13530		CIM4 Max	1.9797	0.1014	1.905	0.0765	0.1115	0.0001
Base	-13530		CIM4 Min	-1.995	-0.1012	1.6371	-0.0763	-0.1104	-0.0001
Base	-13530		CIM5 Max	0.0714	0.4798	2.0606	0.3783	0.0045	0.0002
Base	-13530		CIM5 Min	-0.0566	-0.4797	1.4613	-0.3781	-0.0034	-0.0002
Base	-13530		CIM6 Max	2.6457	0.1351	1.2171	0.1019	0.1451	0.0001
Base	-13530		CIM6 Min	-2.6539	-0.135	0.8599	-0.1016	-0.1476	-0.0001
Base	-13530		CIM7 Max	0.1012	0.6397	1.4515	0.5043	0.0055	0.0003
Base	-13530		CIM7 Min	-0.1094	-0.6396	0.6255	-0.5042	-0.005	-0.0003
Base	-13536		PP	-0.0416	0.0001	1.6166	0.0001	-0.0022	5.45E-07
Base	-13536		CA	-0.0036	2.499E-06	0.1035	4.933E-05	-0.0007	0
Base	-13536		CV	-0.0076	9.109E-06	0.0531	-1.227E-05	-0.0007	0
Base	-13536		SX Max	2.9523	0.1419	0.3974	0.1135	0.1649	0.0002
Base	-13536		SY Max	0.0644	0.7365	0.5049	0.5609	0.0044	0.0002
Base	-13536		CIM1	-0.0527	0.0001	1.7752	0.0001	-0.0036	7.443E-07
Base	-13536		CIM2 Max	2.5529	0.1249	2.0717	0.1001	0.1422	0.0002
Base	-13536		CIM2 Min	-2.6432	-0.1246	1.3723	-0.0998	-0.148	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13536		CIM3 Max	0.0292	0.6499	2.1663	0.5113	0.001	0.0002
Base	-13536		CIM3 Min	-0.1184	-0.6496	1.2776	-0.511	-0.0066	-0.0002
Base	-13536		CIM4 Max	1.6977	0.0937	2.0242	0.0751	0.1054	0.0002
Base	-13536		CIM4 Min	-1.9894	-0.0936	1.4996	-0.0746	-0.1122	-0.0002
Base	-13536		CIM5 Max	0.0049	0.4674	2.0951	0.3635	-0.0005	0.0001
Base	-13536		CIM5 Min	-0.1066	-0.4673	1.4267	-0.3632	-0.0063	-0.0001
Base	-13536		CIM6 Max	2.571	0.1249	1.3629	0.1	0.1433	0.0002
Base	-13536		CIM6 Min	-2.6251	-0.1246	0.6635	-0.0996	-0.1466	-0.0002
Base	-13536		CIM7 Max	0.0472	0.6499	1.4775	0.5113	0.0021	0.0002
Base	-13536		CIM7 Min	-0.1014	-0.6496	0.569	-0.5111	-0.0056	-0.0002
Base	-13542		PP	-0.0727	1.041E-05	1.6027	0.0003	-0.0034	2.963E-06
Base	-13542		CA	-0.0057	-1.008E-05	0.096	0.0001	0.0003	0
Base	-13542		CV	-0.0091	8.54E-07	0.0501	7.568E-06	-0.0002	0
Base	-13542		SX Max	2.5696	0.1574	0.7051	0.1208	0.1634	0.0003
Base	-13542		SY Max	0.1753	0.6243	0.6799	0.4992	0.0079	0.0004
Base	-13542		CIM1	-0.0575	1.18E-06	1.7509	0.0004	-0.0034	3.654E-06
Base	-13542		CIM2 Max	2.447	0.1365	2.3213	0.1067	0.1406	0.0002
Base	-13542		CIM2 Min	-2.6036	-0.1365	1.0603	-0.1059	-0.1469	-0.0002
Base	-13542		CIM3 Max	0.0756	0.5494	2.2991	0.4396	0.0036	0.0004
Base	-13542		CIM3 Min	-0.2326	-0.5493	1.1024	-0.4389	-0.0101	-0.0004
Base	-13542		CIM4 Max	1.6066	0.1039	2.2036	0.0901	0.1045	0.0002
Base	-13542		CIM4 Min	-1.9793	-0.1039	1.273	-0.0793	-0.1111	-0.0002
Base	-13542		CIM5 Max	0.0304	0.412	2.1671	0.3296	0.0019	0.0003
Base	-13542		CIM5 Min	-0.2009	-0.412	1.2896	-0.329	-0.0065	-0.0003
Base	-13542		CIM6 Max	2.4764	0.1365	1.641	0.1065	0.1419	0.0002
Base	-13542		CIM6 Min	-2.5725	-0.1365	0.4	-0.1061	-0.1457	-0.0002
Base	-13542		CIM7 Max	0.1072	0.5493	1.6166	0.4395	0.0051	0.0004
Base	-13542		CIM7 Min	-0.2013	-0.5493	0.4221	-0.439	-0.0069	-0.0004
Base	-13546		PP	-0.1241	-0.0003	1.5734	0.0009	-0.0063	2.12E-05
Base	-13546		CA	-0.0162	-0.0001	0.0896	0.0002	-0.0013	3.059E-06
Base	-13546		CV	-0.0146	-3.044E-05	0.0453	0.0001	-0.001	1.16E-06
Base	-13546		SX Max	2.7513	0.1915	1.22	0.1265	0.1574	0.0004
Base	-13546		SY Max	0.2607	0.4154	1.0399	0.3494	0.0099	0.0007
Base	-13546		CIM1	-0.1551	-0.0004	1.7066	0.0012	-0.0066	2.544E-05
Base	-13546		CIM2 Max	2.2606	0.1661	2.7366	0.1125	0.1309	0.0004
Base	-13546		CIM2 Min	-2.5614	-0.1659	0.5896	-0.1102	-0.146	-0.0004
Base	-13546		CIM3 Max	0.1067	0.3678	2.5763	0.3066	0.0012	0.0007
Base	-13546		CIM3 Min	-0.3674	-0.3685	0.7461	-0.3063	-0.0163	-0.0006
Base	-13546		CIM4 Max	1.6644	0.126	2.5025	0.0847	0.0955	0.0003
Base	-13546		CIM4 Min	-1.9673	-0.1266	0.892	-0.0823	-0.1122	-0.0003
Base	-13546		CIM5 Max	0.0336	0.2757	2.3636	0.2316	-0.0016	0.0005
Base	-13546		CIM5 Min	-0.3367	-0.2765	1.0109	-0.2294	-0.0149	-0.0004
Base	-13546		CIM6 Max	2.3369	0.1663	2.0716	0.112	0.1339	0.0004
Base	-13546		CIM6 Min	-2.5053	-0.1687	-0.0757	-0.1106	-0.143	-0.0004
Base	-13546		CIM7 Max	0.1629	0.3679	1.9131	0.3062	0.0042	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	13545		CIM7 Min	-0.3312	-0.3684	0.0626	-0.3068	-0.0133	-0.0006
Base	13554		PP	-0.1617	-0.0055	1.5776	0.0029	-0.0099	-0.0001
Base	13554		CA	-0.0121	-0.0009	0.0921	0.0006	-0.0004	-6.396E-06
Base	13554		CV	-0.0131	-0.0004	0.0451	0.0002	-0.0006	-3.002E-06
Base	13554		SX Max	2.5507	0.1656	2.3661	0.0957	0.1593	0.0005
Base	13554		SY Max	0.4609	0.179	1.9219	0.1743	0.0153	0.0007
Base	13554		CIM1	-0.2069	-0.0067	1.715	0.0036	-0.0109	-0.0001
Base	13554		CIM2 Max	2.0506	0.1596	3.752	0.0677	0.1299	0.0004
Base	13554		CIM2 Min	-2.4365	-0.1723	-0.4123	-0.0606	-0.1505	-0.0005
Base	13554		CIM3 Max	0.2116	0.1511	3.3611	0.1569	0.0031	0.0006
Base	13554		CIM3 Min	-0.5994	-0.1636	-0.0214	-0.15	-0.0237	-0.0007
Base	13554		CIM4 Max	1.4799	0.1179	3.2654	0.0666	0.0944	0.0003
Base	13554		CIM4 Min	-1.6671	-0.1311	0.1421	-0.0596	-0.1159	-0.0004
Base	13554		CIM5 Max	0.1006	0.1115	2.9722	0.1167	-0.0007	0.0004
Base	13554		CIM5 Min	-0.5076	-0.1247	0.4353	-0.1115	-0.0206	-0.0005
Base	13554		CIM6 Max	2.1264	0.1622	3.0641	0.0663	0.134	0.0004
Base	13554		CIM6 Min	-2.3609	-0.1696	-1.0603	-0.0622	-0.1464	-0.0005
Base	13554		CIM7 Max	0.2693	0.1537	2.6932	0.1555	0.0072	0.0006
Base	13554		CIM7 Min	-0.5219	-0.1613	-0.6693	-0.1514	-0.0196	-0.0007
Base	13560		PP	0.0059	0.0005	1.4691	-0.001	0.0003	-1.492E-05
Base	13560		CA	-0.0377	0.0003	0.2465	-0.0003	-0.0015	-3.232E-06
Base	13560		CV	-0.0234	0.0002	0.1323	-0.0002	-0.001	-1.972E-06
Base	13560		SX Max	2.5652	0.0736	0.3166	0.0434	0.1457	0.0002
Base	13560		SY Max	0.2586	0.2164	0.7477	0.1623	0.0095	0.0006
Base	13560		CIM1	-0.0552	0.0009	1.6479	-0.0015	-0.0022	-2.012E-05
Base	13560		CIM2 Max	2.2431	0.0655	1.9942	0.0369	0.127	0.0002
Base	13560		CIM2 Min	-2.3067	-0.064	1.437	-0.0395	-0.1284	-0.0002
Base	13560		CIM3 Max	0.196	0.1912	2.3735	0.1592	0.0072	0.0005
Base	13560		CIM3 Min	-0.2596	-0.1697	1.0576	-0.1616	-0.0095	-0.0006
Base	13560		CIM4 Max	1.6566	0.0495	2.0236	0.0272	0.0942	0.0001
Base	13560		CIM4 Min	-1.7556	-0.0477	1.6059	-0.0301	-0.0961	-0.0002
Base	13560		CIM5 Max	0.1215	0.1437	2.3083	0.1169	0.0044	0.0004
Base	13560		CIM5 Min	-0.2202	-0.1419	1.3214	-0.1218	-0.0052	-0.0004
Base	13560		CIM6 Max	2.2559	0.0652	1.3079	0.0374	0.1275	0.0002
Base	13560		CIM6 Min	-2.294	-0.0643	0.7506	-0.039	-0.1259	-0.0002
Base	13560		CIM7 Max	0.2057	0.1909	1.6873	0.1597	0.0077	0.0006
Base	13560		CIM7 Min	-0.2469	-0.19	0.3714	-0.1612	-0.0091	-0.0006
Base	13565		PP	0.0089	0.0054	1.4606	-0.0026	0.0003	4.655E-05
Base	13565		CA	-0.0316	0.0016	0.2331	-0.0008	-0.0019	1.254E-05
Base	13565		CV	-0.0201	0.001	0.1276	-0.0005	-0.0012	7.74E-06
Base	13565		SX Max	2.6544	0.0533	0.2726	0.0346	0.1555	0.0003
Base	13565		SY Max	0.3491	0.1066	1.3256	0.0915	0.0164	0.0006
Base	13565		CIM1	-0.0426	0.0079	1.6416	-0.0039	-0.0026	0.0001
Base	13565		CIM2 Max	2.3131	0.0602	1.954	0.0271	0.1352	0.0003
Base	13565		CIM2 Min	-2.3567	-0.0664	1.4739	-0.0336	-0.1364	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13565		CIM3 Max	0.2644	0.1007	2.6807	0.0771	0.0126	0.0006
Base	-13565		CIM3 Min	-0.3299	-0.0669	0.5472	-0.0636	-0.016	-0.0005
Base	-13565		CIM4 Max	1.7141	0.0626	1.9699	0.0191	0.1001	0.0002
Base	-13565		CIM4 Min	-1.7897	-0.0473	1.6296	-0.0266	-0.1051	-0.0001
Base	-13565		CIM5 Max	0.1926	0.078	2.6849	0.0566	0.0063	0.0005
Base	-13565		CIM5 Min	-0.2662	-0.0627	0.9346	-0.0641	-0.0133	-0.0004
Base	-13565		CIM6 Max	2.3222	0.0774	1.2664	0.0264	0.1356	0.0003
Base	-13565		CIM6 Min	-2.3496	-0.0691	0.7664	-0.0325	-0.1376	-0.0002
Base	-13565		CIM7 Max	0.2935	0.096	2.1951	0.0765	0.0135	0.0006
Base	-13565		CIM7 Min	-0.3206	-0.0697	-0.1364	-0.0625	-0.0154	-0.0005
Base	-13570		PP	-0.0202	0.0051	1.6736	-0.0026	-0.0009	-0.0001
Base	-13570		CA	-0.0392	0.0013	0.216	-0.0007	-0.002	-1.195E-05
Base	-13570		CV	-0.0279	0.0008	0.1205	-0.0005	-0.0015	-7.265E-06
Base	-13570		SX Max	3.1071	0.0954	0.2122	0.0528	0.1735	0.0004
Base	-13570		SY Max	0.426	0.1299	1.4369	0.1472	0.0196	0.001
Base	-13570		CIM1	-0.0673	0.0072	2.0121	-0.0039	-0.0044	-0.0001
Base	-13570		CIM2 Max	2.6746	0.0904	2.0763	0.0431	0.1497	0.0003
Base	-13570		CIM2 Min	-2.7936	-0.0776	1.7049	-0.0499	-0.1556	-0.0005
Base	-13570		CIM3 Max	0.3155	0.1207	3.1576	0.1262	0.0143	0.0006
Base	-13570		CIM3 Min	-0.4342	-0.1079	0.6254	-0.1329	-0.0202	-0.001
Base	-13570		CIM4 Max	1.9703	0.07	2.122	0.0311	0.1105	0.0002
Base	-13570		CIM4 Min	-2.131	-0.056	1.5419	-0.0366	-0.1166	-0.0004
Base	-13570		CIM5 Max	0.2006	0.0926	2.9317	0.0934	0.0059	0.0006
Base	-13570		CIM5 Min	-0.3614	-0.0767	1.0323	-0.1009	-0.017	-0.0007
Base	-13570		CIM6 Max	2.6966	0.0876	1.3217	0.0445	0.1509	0.0003
Base	-13570		CIM6 Min	-2.7696	-0.0801	0.9462	-0.0465	-0.1545	-0.0004
Base	-13570		CIM7 Max	0.3392	0.1162	2.4012	0.1275	0.0155	0.0006
Base	-13570		CIM7 Min	-0.4105	-0.1105	-0.1313	-0.1316	-0.019	-0.0009
Base	-13576		PP	-0.0144	0.0002	1.6505	-0.0006	-0.0005	2.029E-05
Base	-13576		CA	-0.0301	0.0001	0.1673	-0.0003	-0.0012	4.612E-06
Base	-13576		CV	-0.0226	0.0001	0.1019	-0.0002	-0.001	2.611E-06
Base	-13576		SX Max	3.1335	0.1137	0.1156	0.08	0.1735	0.0002
Base	-13576		SY Max	0.3101	0.374	0.7815	0.3202	0.0117	0.0009
Base	-13576		CIM1	-0.0673	0.0004	1.9397	-0.0013	-0.0026	2.771E-05
Base	-13576		CIM2 Max	2.713	0.1004	1.9395	0.0693	0.1509	0.0002
Base	-13576		CIM2 Min	-2.8019	-0.0997	1.736	-0.0715	-0.1544	-0.0002
Base	-13576		CIM3 Max	0.2264	0.3294	2.5343	0.2606	0.0056	0.0006
Base	-13576		CIM3 Min	-0.3174	-0.3287	1.1413	-0.2628	-0.0121	-0.0006
Base	-13576		CIM4 Max	2.0065	0.0755	1.9905	0.0516	0.112	0.0002
Base	-13576		CIM4 Min	-2.1296	-0.0746	1.5379	-0.0541	-0.117	-0.0001
Base	-13576		CIM5 Max	0.1431	0.2472	2.4366	0.2101	0.0052	0.0006
Base	-13576		CIM5 Min	-0.2662	-0.2464	1.3918	-0.2126	-0.0102	-0.0006
Base	-13576		CIM6 Max	2.7307	0.1003	1.2044	0.0698	0.1516	0.0002
Base	-13576		CIM6 Min	-2.7641	-0.0998	1.0009	-0.0711	-0.1537	-0.0002
Base	-13576		CIM7 Max	0.2462	0.3293	1.7992	0.2611	0.0093	0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13576		CIM7 Min	-0.2996	-0.3289	0.4061	-0.2624	-0.0114	-0.0006
Base	-13582		PP	-0.0193	-1.321E-05	1.6436	-0.0003	-0.001	2.611E-06
Base	-13582		CA	-0.0256	2.917E-05	0.1676	-0.0001	-0.0013	7.462E-07
Base	-13582		CV	-0.0201	2.59E-05	0.0906	-0.0001	-0.0011	0
Base	-13582		SX Max	3.1417	0.1195	0.0952	0.0695	0.1738	0.0001
Base	-13582		SY Max	0.2375	0.6041	0.4991	0.4633	0.0114	0.0005
Base	-13582		CIM1	-0.065	4.165E-05	1.9022	-0.0004	-0.0034	4.011E-06
Base	-13582		CIM2 Max	2.7196	0.1052	1.6954	0.0764	0.1506	0.0001
Base	-13582		CIM2 Min	-2.6095	-0.1052	1.7276	-0.0791	-0.1553	-0.0001
Base	-13582		CIM3 Max	0.1641	0.5316	2.2506	0.4249	0.0077	0.0005
Base	-13582		CIM3 Min	-0.2539	-0.5316	1.3724	-0.4257	-0.0124	-0.0005
Base	-13582		CIM4 Max	2.0135	0.0769	1.9424	0.0586	0.1116	0.0001
Base	-13582		CIM4 Min	-2.1335	-0.0786	1.6167	-0.0595	-0.1179	-0.0001
Base	-13582		CIM5 Max	0.0968	0.3958	2.209	0.3165	0.0044	0.0004
Base	-13582		CIM5 Min	-0.2167	-0.3967	1.5501	-0.3194	-0.0107	-0.0003
Base	-13582		CIM6 Max	2.7377	0.1052	1.1706	0.0785	0.1516	0.0001
Base	-13582		CIM6 Min	-2.7916	-0.1052	1.0032	-0.079	-0.1544	-0.0001
Base	-13582		CIM7 Max	0.1621	0.5316	1.5262	0.4251	0.0056	0.0005
Base	-13582		CIM7 Min	-0.2359	-0.5316	0.6478	-0.4255	-0.0114	-0.0005
Base	-13586		PP	-0.0273	-3.014E-05	1.6383	-0.0001	-0.0013	5.991E-07
Base	-13586		CA	-0.0202	6.764E-06	0.154	9.7E-06	-0.0009	0
Base	-13586		CV	-0.0169	1.363E-05	0.0826	-3.692E-05	-0.0006	0
Base	-13586		SX Max	3.1434	0.1129	0.1579	0.0667	0.1746	0.0002
Base	-13586		SY Max	0.1599	0.7451	0.3396	0.5622	0.0073	0.0003
Base	-13586		CIM1	-0.0645	-7.728E-06	1.6751	-0.0001	-0.003	1.304E-06
Base	-13586		CIM2 Max	2.7167	0.0993	1.9312	0.0762	0.1514	0.0001
Base	-13586		CIM2 Min	-2.6136	-0.0994	1.6534	-0.0764	-0.1556	-0.0001
Base	-13586		CIM3 Max	0.0932	0.6557	2.0912	0.5122	0.0043	0.0003
Base	-13586		CIM3 Min	-0.1663	-0.6557	1.4934	-0.5124	-0.0066	-0.0003
Base	-13586		CIM4 Max	2.0144	0.0745	1.9566	0.0571	0.1124	0.0001
Base	-13586		CIM4 Min	-2.1349	-0.0745	1.7502	-0.0574	-0.118	-0.0001
Base	-13586		CIM5 Max	0.0453	0.4918	2.0786	0.3841	0.002	0.0002
Base	-13586		CIM5 Min	-0.1656	-0.4916	1.6302	-0.3844	-0.0076	-0.0002
Base	-13586		CIM6 Max	2.7377	0.0994	1.2143	0.0762	0.1523	0.0001
Base	-13586		CIM6 Min	-2.7947	-0.0994	0.9365	-0.0764	-0.1549	-0.0001
Base	-13586		CIM7 Max	0.1122	0.6557	1.3743	0.5122	0.0051	0.0003
Base	-13586		CIM7 Min	-0.1692	-0.6557	0.7765	-0.5124	-0.0077	-0.0003
Base	-13594		PP	-0.0429	-2.708E-05	1.6312	-0.0001	-0.0021	0
Base	-13594		CA	-0.0165	-9.745E-06	0.1447	0.0001	-0.001	0
Base	-13594		CV	-0.0156	3.466E-06	0.0779	7.2E-06	-0.0006	0
Base	-13594		SX Max	3.1336	0.1026	0.2727	0.0773	0.1738	0.0001
Base	-13594		SY Max	0.0974	0.7543	0.27	0.5662	0.0051	0.0003
Base	-13594		CIM1	-0.077	-3.336E-05	1.6536	3.703E-05	-0.004	6.427E-07
Base	-13594		CIM2 Max	2.6962	0.0903	2.0159	0.066	0.1496	0.0001
Base	-13594		CIM2 Min	-2.6169	-0.0904	1.5359	-0.066	-0.1561	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13594		CIM3 Max	0.0243	0.6637	2.0135	0.5177	0.0014	0.0002
Base	-13594		CIM3 Min	-0.147	-0.6636	1.5363	-0.5176	-0.0076	-0.0002
Base	-13594		CIM4 Max	1.9951	0.0677	2.0143	0.051	0.1109	0.0001
Base	-13594		CIM4 Min	-2.1412	-0.0676	1.6543	-0.051	-0.1165	-0.0001
Base	-13594		CIM5 Max	-0.0066	0.4976	2.0125	0.3863	-0.0004	0.0002
Base	-13594		CIM5 Min	-0.1373	-0.4979	1.6561	-0.3862	-0.0072	-0.0002
Base	-13594		CIM6 Max	2.7207	0.0903	1.3055	0.066	0.151	0.0001
Base	-13594		CIM6 Min	-2.7943	-0.0903	0.6256	-0.066	-0.1546	-0.0001
Base	-13594		CIM7 Max	0.0469	0.6637	1.3031	0.5177	0.0026	0.0002
Base	-13594		CIM7 Min	-0.1225	-0.6636	0.626	-0.5176	-0.0064	-0.0002
Base	-13600		PP	-0.0656	0	1.6197	-0.0001	-0.0034	0
Base	-13600		CA	-0.0167	-2.008E-05	0.1366	0.0002	-0.0006	2.102E-06
Base	-13600		CV	-0.0143	-1.064E-06	0.0751	0.0001	-0.0007	1.059E-06
Base	-13600		SX Max	3.1124	0.0694	0.4549	0.0645	0.1746	0.0001
Base	-13600		SY Max	0.0576	0.6276	0.2726	0.4994	0.0032	0.0005
Base	-13600		CIM1	-0.0996	-2.061E-05	1.6335	0.0002	-0.005	3.261E-06
Base	-13600		CIM2 Max	2.6537	0.0767	2.1566	0.057	0.1495	0.0001
Base	-13600		CIM2 Min	-2.6241	-0.0767	1.3561	-0.0566	-0.1561	-0.0001
Base	-13600		CIM3 Max	-0.0343	0.5523	1.9964	0.4396	-0.0015	0.0005
Base	-13600		CIM3 Min	-0.1361	-0.5523	1.5163	-0.4393	-0.0071	-0.0004
Base	-13600		CIM4 Max	1.9562	0.059	2.1149	0.0428	0.1105	0.0001
Base	-13600		CIM4 Min	-2.1501	-0.0591	1.5145	-0.0424	-0.1202	-0.0001
Base	-13600		CIM5 Max	-0.0576	0.4142	1.9947	0.3296	-0.0027	0.0003
Base	-13600		CIM5 Min	-0.1342	-0.4142	1.6346	-0.3294	-0.0069	-0.0003
Base	-13600		CIM6 Max	2.6677	0.0767	1.4553	0.0569	0.1513	0.0001
Base	-13600		CIM6 Min	-2.79	-0.0767	0.6547	-0.0567	-0.1564	-0.0001
Base	-13600		CIM7 Max	-0.0002	0.5523	1.2951	0.4396	0.0002	0.0005
Base	-13600		CIM7 Min	-0.102	-0.5523	0.6149	-0.4394	-0.0054	-0.0004
Base	-13606		PP	-0.1127	0	1.5963	-0.0001	-0.0053	-1.907E-06
Base	-13606		CA	-0.0123	-0.0004	0.1425	0.0006	-0.0009	4.572E-06
Base	-13606		CV	-0.0116	-0.0002	0.0761	0.0003	-0.0006	2.059E-06
Base	-13606		SX Max	3.0612	0.0763	0.7662	0.0516	0.1717	0.0003
Base	-13606		SY Max	0.0661	0.4058	0.3443	0.3411	0.0034	0.0006
Base	-13606		CIM1	-0.1366	-0.0005	1.619	0.0007	-0.0071	4.724E-06
Base	-13606		CIM2 Max	2.5689	0.0656	2.4169	0.0459	0.1449	0.0002
Base	-13606		CIM2 Min	-2.5166	-0.0693	1.0646	-0.0449	-0.1574	-0.0002
Base	-13606		CIM3 Max	-0.0666	0.3566	2.0436	0.3006	-0.0033	0.0007
Base	-13606		CIM3 Min	-0.1631	-0.3575	1.4379	-0.2997	-0.0093	-0.0007
Base	-13606		CIM4 Max	1.5567	0.0512	2.3065	0.0347	0.1065	0.0002
Base	-13606		CIM4 Min	-2.1541	-0.0522	1.2924	-0.0334	-0.1202	-0.0002
Base	-13606		CIM5 Max	-0.09	0.2674	2.0267	0.2256	-0.0046	0.0005
Base	-13606		CIM5 Min	-0.1773	-0.2683	1.5722	-0.2245	-0.0091	-0.0005
Base	-13606		CIM6 Max	2.6189	0.0667	1.7205	0.0457	0.1474	0.0002
Base	-13606		CIM6 Min	-2.7669	-0.0691	0.3665	-0.0451	-0.1549	-0.0002
Base	-13606		CIM7 Max	-0.0166	0.3569	1.3475	0.3005	-0.0006	0.0007

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-13606		CIM7 Min	-0.1331	-0.3574	0.7415	-0.2999	-0.0067	-0.0007
Base	-13612		PP	-0.1667	0.0005	1.5797	-0.0003	-0.0099	2.462E-06
Base	-13612		CA	-0.0059	-0.0016	0.1766	0.0013	-0.0006	-1.322E-05
Base	-13612		CV	-0.0076	-0.0006	0.0964	0.0006	-0.0006	-6.236E-06
Base	-13612		SX Max	2.9092	0.0547	1.5652	0.0368	0.1762	0.0003
Base	-13612		SY Max	0.0786	0.1531	0.5095	0.1629	0.0039	0.0009
Base	-13612		CIM1	-0.2024	-0.0022	1.855	0.0015	-0.0111	-1.697E-05
Base	-13612		CIM2 Max	2.3655	0.0732	3.1339	0.0334	0.1464	0.0002
Base	-13612		CIM2 Min	-2.7547	-0.0759	0.3792	-0.0314	-0.1673	-0.0003
Base	-13612		CIM3 Max	-0.1253	0.1334	2.2049	0.1443	-0.007	0.0006
Base	-13612		CIM3 Min	-0.264	-0.136	1.3862	-0.1424	-0.0139	-0.0006
Base	-13612		CIM4 Max	1.7196	0.0539	2.6634	0.0257	0.1067	0.0002
Base	-13612		CIM4 Min	-2.1206	-0.0579	0.7974	-0.0229	-0.1265	-0.0002
Base	-13612		CIM5 Max	-0.1465	0.0991	2.1667	0.1069	-0.0053	0.0006
Base	-13612		CIM5 Min	-0.2525	-0.103	1.4941	-0.1061	-0.0135	-0.0006
Base	-13612		CIM6 Max	2.4434	0.0737	2.4313	0.033	0.1506	0.0002
Base	-13612		CIM6 Min	-2.6769	-0.0753	-0.3234	-0.0316	-0.1631	-0.0002
Base	-13612		CIM7 Max	-0.0474	0.1339	1.5023	0.1439	-0.0029	0.0006
Base	-13612		CIM7 Min	-0.1861	-0.1355	0.6056	-0.1425	-0.0097	-0.0006
Base	-14677		PP	-0.0027	0.1337	1.0815	-0.0062	-0.0011	1.123E-05
Base	-14677		CA	-0.0015	0.034	0.1026	-0.0022	-0.0009	1.966E-06
Base	-14677		CV	-0.0006	0.0209	0.0674	-0.0014	-0.0005	9.317E-07
Base	-14677		SX Max	0.0976	0.1947	0.7243	0.0127	0.0671	0.0004
Base	-14677		SY Max	0.0266	0.7962	2.9634	0.0671	0.027	0.0002
Base	-14677		CIM1	-0.0049	0.1667	1.2517	-0.0116	-0.0025	1.413E-05
Base	-14677		CIM2 Max	0.0617	0.339	1.6217	0.0006	0.0571	0.0003
Base	-14677		CIM2 Min	-0.09	-0.0036	0.5469	-0.0216	-0.0611	-0.0003
Base	-14677		CIM3 Max	0.0192	0.6664	3.7921	0.0487	0.0216	0.0002
Base	-14677		CIM3 Min	-0.0275	-0.5329	-1.4235	-0.0694	-0.0256	-0.0002
Base	-14677		CIM4 Max	0.0597	0.3119	1.7126	-0.003	0.0419	0.0003
Base	-14677		CIM4 Min	-0.0691	0.0549	0.7566	-0.0196	-0.0467	-0.0002
Base	-14677		CIM5 Max	0.0126	0.7069	3.1907	0.0329	0.0154	0.0002
Base	-14677		CIM5 Min	-0.0223	-0.3421	-0.721	-0.0557	-0.0202	-0.0001
Base	-14677		CIM6 Max	0.0634	0.2719	1.3479	0.005	0.0579	0.0003
Base	-14677		CIM6 Min	-0.0664	-0.0707	0.0732	-0.0174	-0.0603	-0.0003
Base	-14677		CIM7 Max	0.0209	0.6013	3.3164	0.0526	0.0226	0.0002
Base	-14677		CIM7 Min	-0.0259	-0.6	-1.8972	-0.0653	-0.025	-0.0002
Base	-14686		PP	-0.0037	-0.0041	2.662	0.0006	-0.0022	-1.267E-05
Base	-14686		CA	-0.0014	-0.0049	0.2253	0.0003	-0.0009	-4.763E-06
Base	-14686		CV	-0.0035	-0.0079	0.3626	0.0004	-0.0022	-1.097E-05
Base	-14686		SX Max	0.1955	0.1964	2.6427	0.0121	0.1378	0.0009
Base	-14686		SY Max	0.0319	0.7667	2.5126	0.0719	0.0301	0.0002
Base	-14686		CIM1	-0.0066	-0.017	3.2499	0.0013	-0.0052	-2.842E-05
Base	-14686		CIM2 Max	0.167	0.1636	5.2126	0.0115	0.1162	0.0006
Base	-14686		CIM2 Min	-0.1772	-0.1619	0.5616	-0.0097	-0.1243	-0.0006

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	14686		CIM3 Max	0.023	0.665	5.0964	0.0642	0.0234	0.0002
Base	14686		CIM3 Min	-0.0331	-0.7031	0.6762	-0.0623	-0.0295	-0.0002
Base	14686		CIM4 Max	0.1214	0.1147	4.9034	0.0092	0.0863	0.0006
Base	14686		CIM4 Min	-0.1366	-0.1446	1.4151	-0.0067	-0.0956	-0.0006
Base	14686		CIM5 Max	0.0133	0.5055	4.8176	0.0487	0.0152	0.0001
Base	14686		CIM5 Min	-0.0267	-0.5355	1.501	-0.0462	-0.0245	-0.0002
Base	14686		CIM6 Max	0.169	0.1674	4.0579	0.0112	0.1194	0.0006
Base	14686		CIM6 Min	-0.1751	-0.1763	-0.5932	-0.0101	-0.1231	-0.0006
Base	14686		CIM7 Max	0.025	0.6656	3.9435	0.0636	0.0246	0.0002
Base	14686		CIM7 Min	-0.0311	-0.6995	-0.4767	-0.0627	-0.0283	-0.0002
Base	14703		PP	-0.0046	-0.0656	2.3903	0.0037	-0.005	1.743E-05
Base	14703		CA	-0.0242	-0.02	0.3666	0.0015	-0.0254	0.0001
Base	14703		CV	-0.11	-0.079	1.0076	0.0061	-0.1152	0.0004
Base	14703		SX Max	0.7656	0.0324	0.0439	0.0026	0.6356	0.0017
Base	14703		SY Max	0.0121	0.3348	0.6636	0.0353	0.0095	2.734E-05
Base	14703		CIM1	-0.139	-0.1647	3.7649	0.0112	-0.1456	0.0005
Base	14703		CIM2 Max	0.6623	-0.0573	2.7957	0.0076	0.5315	0.0016
Base	14703		CIM2 Min	-0.7204	-0.1143	2.7165	0.0027	-0.5924	-0.0014
Base	14703		CIM3 Max	-0.0164	0.2069	3.5172	0.0362	-0.0216	0.0001
Base	14703		CIM3 Min	-0.0397	-0.3604	1.997	-0.0259	-0.0391	0.0001
Base	14703		CIM4 Max	0.407	-0.1236	3.5419	0.0115	0.3046	0.0016
Base	14703		CIM4 Min	-0.63	-0.1664	3.464	0.0079	-0.5363	-0.0007
Base	14703		CIM5 Max	-0.1036	0.076	4.063	0.033	-0.1103	0.0004
Base	14703		CIM5 Min	-0.1195	-0.366	2.9429	-0.0136	-0.1233	0.0004
Base	14703		CIM6 Max	0.6739	-0.023	1.6929	0.0055	0.5437	0.0016
Base	14703		CIM6 Min	-0.7066	-0.08	1.6157	0.0007	-0.5602	-0.0015
Base	14703		CIM7 Max	-0.0066	0.2432	2.4144	0.0342	-0.0096	0.0001
Base	14703		CIM7 Min	-0.0261	-0.3461	0.6942	-0.026	-0.0269	3.696E-05
Base	14720		PP	-0.0046	-0.0645	2.4096	0.0036	-0.0051	1.736E-05
Base	14720		CA	-0.0242	-0.0196	0.3652	0.0014	-0.0253	0.0001
Base	14720		CV	-0.1097	-0.079	1.0034	0.0061	-0.115	0.0004
Base	14720		SX Max	0.7635	0.0325	0.0462	0.0026	0.6354	0.0017
Base	14720		SY Max	0.0126	0.336	0.6493	0.0357	0.0103	2.639E-05
Base	14720		CIM1	-0.1367	-0.1633	3.7762	0.0111	-0.1454	0.0005
Base	14720		CIM2 Max	0.6605	-0.0557	2.8155	0.0075	0.5314	0.0016
Base	14720		CIM2 Min	-0.7165	-0.1129	2.7341	0.0026	-0.5922	-0.0014
Base	14720		CIM3 Max	-0.0179	0.2131	3.5222	0.0365	-0.0214	0.0001
Base	14720		CIM3 Min	-0.0401	-0.3617	2.0274	-0.0264	-0.0394	0.0001
Base	14720		CIM4 Max	0.4059	-0.1221	3.5579	0.0114	0.3047	0.0015
Base	14720		CIM4 Min	-0.6264	-0.165	3.4966	0.0076	-0.536	-0.0007
Base	14720		CIM5 Max	-0.1029	0.0795	4.0679	0.0332	-0.1099	0.0004
Base	14720		CIM5 Min	-0.1196	-0.3666	2.9666	-0.0139	-0.1234	0.0004
Base	14720		CIM6 Max	0.6721	-0.022	1.7056	0.0055	0.5435	0.0016
Base	14720		CIM6 Min	-0.7069	-0.0791	1.6242	0.0006	-0.56	-0.0015
Base	14720		CIM7 Max	-0.0063	0.2466	2.4123	0.0344	-0.0092	0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-14720		CIM7 Min	-0.0265	-0.346	0.9175	-0.0264	-0.0273	3.751E-05
Base	-14737		PP	-0.0046	-0.0716	2.171	0.0043	-0.0047	1.637E-05
Base	-14737		CA	-0.0232	-0.0161	0.3394	0.0013	-0.0237	0.0001
Base	-14737		CV	-0.1052	-0.0661	0.9331	0.005	-0.1077	0.0004
Base	-14737		SX Max	0.7066	0.0276	0.0466	0.0025	0.5713	0.0015
Base	-14737		SY Max	0.0123	0.2856	0.9225	0.0307	0.0096	2.622E-05
Base	-14737		CIM1	-0.133	-0.1559	3.4434	0.0106	-0.1362	0.0005
Base	-14737		CIM2 Max	0.5956	-0.0654	2.5532	0.0077	0.4743	0.0014
Base	-14737		CIM2 Min	-0.6514	-0.1141	2.4676	0.0034	-0.5312	-0.0012
Base	-14737		CIM3 Max	-0.017	0.1704	3.3222	0.0326	-0.0199	0.0001
Base	-14737		CIM3 Min	-0.0366	-0.3499	1.6966	-0.0214	-0.0371	0.0001
Base	-14737		CIM4 Max	0.361	-0.1211	3.2423	0.0109	0.2678	0.0014
Base	-14737		CIM4 Min	-0.5744	-0.1576	3.1761	0.0077	-0.4563	-0.0006
Base	-14737		CIM5 Max	-0.0966	0.0556	3.819	0.0296	-0.1026	0.0004
Base	-14737		CIM5 Min	-0.1146	-0.3344	2.6014	-0.0109	-0.1157	0.0004
Base	-14737		CIM6 Max	0.6069	-0.0295	1.549	0.0055	0.4656	0.0014
Base	-14737		CIM6 Min	-0.6403	-0.0762	1.4634	0.0012	-0.5196	-0.0013
Base	-14737		CIM7 Max	-0.0059	0.2063	2.316	0.0304	-0.0065	0.0001
Base	-14737		CIM7 Min	-0.0275	-0.314	0.6945	-0.0237	-0.0257	3.594E-05
Base	-14754		PP	-0.0044	-0.0793	1.9729	0.0051	-0.0045	1.524E-05
Base	-14754		CA	-0.0226	-0.0174	0.3196	0.0012	-0.0227	0.0001
Base	-14754		CV	-0.1026	-0.057	0.6776	0.0042	-0.1031	0.0004
Base	-14754		SX Max	0.6469	0.0239	0.0457	0.0022	0.516	0.0014
Base	-14754		SY Max	0.0115	0.2631	1.0111	0.027	0.0089	2.3E-05
Base	-14754		CIM1	-0.1299	-0.1537	3.1703	0.0105	-0.1303	0.0004
Base	-14754		CIM2 Max	0.5439	-0.0757	2.3329	0.0062	0.4266	0.0013
Base	-14754		CIM2 Min	-0.5961	-0.1177	2.2524	0.0044	-0.483	-0.0011
Base	-14754		CIM3 Max	-0.0169	0.1348	3.1624	0.0301	-0.0193	0.0001
Base	-14754		CIM3 Min	-0.0372	-0.3262	1.403	-0.0175	-0.035	0.0001
Base	-14754		CIM4 Max	0.3241	-0.1237	2.9611	0.0109	0.2373	0.0012
Base	-14754		CIM4 Min	-0.5324	-0.1552	2.9207	0.006	-0.4464	-0.0005
Base	-14754		CIM5 Max	-0.0966	0.0342	3.6162	0.0273	-0.0956	0.0004
Base	-14754		CIM5 Min	-0.1116	-0.3131	2.2636	-0.0064	-0.1104	0.0003
Base	-14754		CIM6 Max	0.5548	-0.037	1.4159	0.0057	0.4395	0.0012
Base	-14754		CIM6 Min	-0.5673	-0.079	1.3354	0.0019	-0.4721	-0.0011
Base	-14754		CIM7 Max	-0.0061	0.1735	2.2653	0.0276	-0.0064	0.0001
Base	-14754		CIM7 Min	-0.0264	-0.2695	0.4659	-0.02	-0.0242	3.546E-05
Base	-14763		PP	-0.0126	0.0251	2.0531	2.05E-05	-0.0056	4.216E-05
Base	-14763		CA	-0.0006	0.0026	0.1161	-0.0001	-0.0004	2.461E-06
Base	-14763		CV	-0.0025	0.0146	0.3216	-0.0007	-0.0012	6.73E-06
Base	-14763		SX Max	0.094	0.4633	4.4463	0.0235	0.0706	0.0003
Base	-14763		SY Max	0.1662	0.3142	1.1352	0.0371	0.1444	0.0006
Base	-14763		CIM1	-0.0155	0.0425	2.4911	-0.0005	-0.0074	0.0001
Base	-14763		CIM2 Max	0.0693	0.4355	6.0836	0.0206	0.0559	0.0003
Base	-14763		CIM2 Min	-0.0961	-0.3796	-1.7453	-0.0208	-0.0663	-0.0002

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-14763		CIM3 Max	0.1522	0.3044	3.1662	0.0325	0.1209	0.0006
Base	-14763		CIM3 Min	-0.179	-0.2486	1.1703	-0.0327	-0.1333	-0.0005
Base	-14763		CIM4 Max	0.0466	0.3446	5.3465	0.0149	0.0395	0.0003
Base	-14763		CIM4 Min	-0.0773	-0.2669	-0.5253	-0.0161	-0.0537	-0.0002
Base	-14763		CIM5 Max	0.109	0.2462	3.1596	0.0238	0.0862	0.0005
Base	-14763		CIM5 Min	-0.1394	-0.1685	1.6614	-0.0251	-0.1024	-0.0004
Base	-14763		CIM6 Max	0.0747	0.4244	5.2161	0.0206	0.0554	0.0003
Base	-14763		CIM6 Min	-0.0907	-0.3909	-2.613	-0.0207	-0.0656	-0.0003
Base	-14763		CIM7 Max	0.1576	0.2932	2.3005	0.0326	0.1234	0.0006
Base	-14763		CIM7 Min	-0.1737	-0.2596	0.3026	-0.0327	-0.1306	-0.0005
Base	-14772		PP	0.0035	-0.0024	2.6666	0.0005	0.0021	9.666E-06
Base	-14772		CA	0.0016	0.0005	0.2563	-2.625E-05	0.001	4.793E-06
Base	-14772		CV	0.0037	-0.0032	0.3666	0.0001	0.0023	1.124E-05
Base	-14772		SX Max	0.2005	0.253	2.6247	0.0171	0.1434	0.0009
Base	-14772		SY Max	0.0169	0.6066	2.6177	0.075	0.0066	0.0001
Base	-14772		CIM1	0.0066	-0.0051	3.2916	0.0006	0.0054	2.57E-05
Base	-14772		CIM2 Max	0.1616	0.2206	5.2346	0.0155	0.1293	0.0008
Base	-14772		CIM2 Min	-0.1713	-0.2245	0.6154	-0.0145	-0.1231	-0.0008
Base	-14772		CIM3 Max	0.02	0.71	5.2267	0.0665	0.0106	0.0001
Base	-14772		CIM3 Min	-0.0095	-0.7136	0.6216	-0.0656	-0.0046	-0.0001
Base	-14772		CIM4 Max	0.1402	0.1627	4.9324	0.0116	0.0995	0.0006
Base	-14772		CIM4 Min	-0.1245	-0.1712	1.4676	-0.0107	-0.0896	-0.0006
Base	-14772		CIM5 Max	0.019	0.5296	4.9276	0.0501	0.0106	0.0001
Base	-14772		CIM5 Min	-0.0033	-0.5361	1.4724	-0.049	-0.001	-4.2E-05
Base	-14772		CIM6 Max	0.1795	0.2216	4.0646	0.0153	0.1281	0.0008
Base	-14772		CIM6 Min	-0.1734	-0.2237	-0.5546	-0.0147	-0.1243	-0.0008
Base	-14772		CIM7 Max	0.016	0.7107	4.0586	0.0663	0.0096	0.0001
Base	-14772		CIM7 Min	-0.0116	-0.7129	-0.5485	-0.0657	-0.0059	-0.0001
Base	-14789		PP	0.0041	-0.0054	2.364	0.0037	0.0043	-1.479E-05
Base	-14789		CA	0.0215	-0.0166	0.3463	0.0013	0.0225	-0.0001
Base	-14789		CV	0.0974	-0.0739	0.9517	0.0057	0.102	-0.0004
Base	-14789		SX Max	0.7662	0.0219	0.0445	0.0016	0.639	0.0017
Base	-14789		SY Max	0.0117	0.3373	0.9009	0.0366	0.0095	2.667E-05
Base	-14789		CIM1	0.123	-0.1581	3.662	0.0107	0.1268	-0.0004
Base	-14789		CIM2 Max	0.7175	-0.0649	2.7697	0.0066	0.5691	0.0014
Base	-14789		CIM2 Min	-0.6662	-0.1035	2.6909	0.0034	-0.5355	-0.0016
Base	-14789		CIM3 Max	0.0359	0.2126	3.5231	0.0374	0.0352	-0.0001
Base	-14789		CIM3 Min	0.0153	-0.361	1.9375	-0.0274	0.0164	-0.0001
Base	-14789		CIM4 Max	0.6176	-0.1252	3.4736	0.0104	0.5251	0.0006
Base	-14789		CIM4 Min	-0.4202	-0.1541	3.4145	0.0061	-0.3164	-0.0015
Base	-14789		CIM5 Max	0.1064	0.053	4.0367	0.0335	0.1096	-0.0003
Base	-14789		CIM5 Min	0.0909	-0.3622	2.6494	-0.015	0.097	-0.0004
Base	-14789		CIM6 Max	0.7072	-0.0312	1.6776	0.0046	0.5764	0.0015
Base	-14789		CIM6 Min	-0.6765	-0.0696	1.5956	0.0014	-0.5462	-0.0016
Base	-14789		CIM7 Max	0.0257	0.2463	2.431	0.0354	0.0245	-3.209E-05

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	-14789		CIM7 Min	0.005	-0.3473	0.6454	-0.0294	0.0077	-0.0001
Base	-14606		PP	0.0041	-0.0641	2.4032	0.0036	0.0043	-1.477E-05
Base	-14606		CA	0.0215	-0.0166	0.3446	0.0013	0.0225	-0.0001
Base	-14606		CV	0.0972	-0.0739	0.9477	0.0057	0.1019	-0.0003
Base	-14606		SX Max	0.7643	0.022	0.0441	0.0016	0.6368	0.0017
Base	-14606		SY Max	0.0127	0.3405	0.6856	0.0372	0.0103	2.9E-05
Base	-14606		CIM1	0.1227	-0.1566	3.6955	0.0106	0.1287	-0.0004
Base	-14606		CIM2 Max	0.7157	-0.0633	2.7666	0.0065	0.569	0.0014
Base	-14606		CIM2 Min	-0.6646	-0.1021	2.709	0.0033	-0.5353	-0.0016
Base	-14606		CIM3 Max	0.0367	0.2169	3.5273	0.0376	0.0359	-0.0001
Base	-14606		CIM3 Min	0.0144	-0.3623	1.9663	-0.0279	0.0177	-0.0001
Base	-14606		CIM4 Max	0.6161	-0.1236	3.4877	0.0103	0.5249	0.0006
Base	-14606		CIM4 Min	-0.4192	-0.1527	3.4295	0.0079	-0.3184	-0.0015
Base	-14606		CIM5 Max	0.1068	0.0666	4.0432	0.0337	0.11	-0.0003
Base	-14606		CIM5 Min	0.0901	-0.3629	2.874	-0.0154	0.0904	-0.0004
Base	-14606		CIM6 Max	0.7055	-0.0302	1.6675	0.0045	0.5763	0.0015
Base	-14606		CIM6 Min	-0.6748	-0.069	1.6099	0.0013	-0.5461	-0.0016
Base	-14606		CIM7 Max	0.0265	0.25	2.4262	0.0357	0.0252	-2.961E-05
Base	-14606		CIM7 Min	0.0042	-0.3492	0.6692	-0.0295	0.007	-0.0001
Base	-14623		PP	0.0039	-0.0713	2.1652	0.0042	0.004	-1.391E-05
Base	-14623		CA	0.0206	-0.0172	0.3204	0.0012	0.0211	-0.0001
Base	-14623		CV	0.0932	-0.0821	0.8811	0.0047	0.0954	-0.0003
Base	-14623		SX Max	0.7094	0.0191	0.0451	0.0016	0.5718	0.0015
Base	-14623		SY Max	0.0122	0.2973	0.9623	0.032	0.0097	2.621E-05
Base	-14623		CIM1	0.1177	-0.1505	3.3667	0.0101	0.1205	-0.0004
Base	-14623		CIM2 Max	0.6466	-0.0716	2.5253	0.0066	0.5263	0.0013
Base	-14623		CIM2 Min	-0.5997	-0.1053	2.4456	0.004	-0.478	-0.0014
Base	-14623		CIM3 Max	0.0352	0.1731	3.3324	0.0336	0.0336	-0.0001
Base	-14623		CIM3 Min	0.0136	-0.3501	1.6367	-0.0227	0.0166	-0.0001
Base	-14623		CIM4 Max	0.5626	-0.1224	3.1762	0.01	0.474	0.0007
Base	-14623		CIM4 Min	-0.3736	-0.1476	3.1166	0.0079	-0.2607	-0.0013
Base	-14623		CIM5 Max	0.1024	0.0612	3.7515	0.03	0.1031	-0.0003
Base	-14623		CIM5 Min	0.0864	-0.3312	2.5113	-0.0121	0.0903	-0.0004
Base	-14623		CIM6 Max	0.639	-0.0363	1.5311	0.0047	0.5162	0.0013
Base	-14623		CIM6 Min	-0.6095	-0.0699	1.4516	0.0019	-0.4661	-0.0014
Base	-14623		CIM7 Max	0.0254	0.2065	2.3362	0.0314	0.0236	-2.9E-05
Base	-14623		CIM7 Min	0.004	-0.3147	0.6445	-0.0249	0.0065	-0.0001
Base	-14640		PP	0.0036	-0.079	1.9675	0.0051	0.0036	-1.294E-05
Base	-14640		CA	0.0201	-0.0166	0.3025	0.0011	0.0202	-0.0001
Base	-14640		CV	0.0911	-0.0537	0.8265	0.0039	0.0914	-0.0003
Base	-14640		SX Max	0.6493	0.0169	0.0466	0.0014	0.5162	0.0014
Base	-14640		SY Max	0.0142	0.2644	1.0549	0.0261	0.0111	2.872E-05
Base	-14640		CIM1	0.115	-0.1494	3.0965	0.0101	0.1153	-0.0004
Base	-14640		CIM2 Max	0.5953	-0.0606	2.3128	0.0075	0.46	0.0011
Base	-14640		CIM2 Min	-0.5475	-0.1105	2.2272	0.005	-0.4321	-0.0013

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	14640		CIM3 Max	0.0364	0.1371	3.1963	0.031	0.0336	-0.0001
Base	14640		CIM3 Min	0.0114	-0.3263	1.3417	-0.0165	0.0142	-0.0001
Base	14640		CIM4 Max	0.5207	-0.1246	2.9234	0.0101	0.4345	0.0006
Base	14640		CIM4 Min	-0.3363	-0.1471	2.6593	0.0052	-0.2495	-0.0012
Base	14640		CIM5 Max	0.1015	0.0366	3.5876	0.0277	0.0998	-0.0003
Base	14640		CIM5 Min	0.0626	-0.3105	2.1951	-0.0094	0.0652	-0.0003
Base	14640		CIM6 Max	0.5557	-0.0425	1.4046	0.005	0.4704	0.0011
Base	14640		CIM6 Min	-0.557	-0.0722	1.3192	0.0025	-0.4417	-0.0012
Base	14640		CIM7 Max	0.0266	0.1753	2.2903	0.0265	0.0242	-2.365E-05
Base	14640		CIM7 Min	0.0019	-0.2901	0.4337	-0.021	0.0046	-0.0001
Base	14649		PP	0.0123	0.0239	2.0396	-5.232E-06	0.0057	-3.869E-05
Base	14649		CA	0.001	0.0046	0.121	-0.0002	0.0005	-2.346E-06
Base	14649		CV	0.0023	0.0133	0.2862	-0.0006	0.0012	-5.645E-06
Base	14649		SX Max	0.0923	0.4422	4.3779	0.0214	0.0699	0.0003
Base	14649		SY Max	0.1611	0.3212	1.2601	0.0383	0.1451	0.0007
Base	14649		CIM1	0.0156	0.042	2.459	-0.0006	0.0075	-4.705E-05
Base	14649		CIM2 Max	0.0945	0.4179	6.0133	0.0186	0.0676	0.0003
Base	14649		CIM2 Min	-0.066	-0.3605	-1.6917	-0.0191	-0.0552	-0.0003
Base	14649		CIM3 Max	0.1727	0.3114	3.2697	0.0335	0.134	0.0006
Base	14649		CIM3 Min	-0.1461	-0.254	1.0519	-0.0339	-0.1214	-0.0007
Base	14649		CIM4 Max	0.0759	0.3305	5.2736	0.0135	0.0533	0.0002
Base	14649		CIM4 Min	-0.0459	-0.2532	-0.5049	-0.0146	-0.0369	-0.0003
Base	14649		CIM5 Max	0.1346	0.2506	3.2161	0.0246	0.1029	0.0004
Base	14649		CIM5 Min	-0.1046	-0.1734	1.5526	-0.026	-0.0886	-0.0005
Base	14649		CIM6 Max	0.0692	0.4064	5.149	0.0167	0.0653	0.0003
Base	14649		CIM6 Min	-0.0733	-0.372	-2.556	-0.019	-0.0577	-0.0003
Base	14649		CIM7 Max	0.1674	0.2999	2.4054	0.0336	0.1315	0.0006
Base	14649		CIM7 Min	-0.1514	-0.2654	0.1876	-0.0336	-0.1239	-0.0006

1.3 Modal Results

Table 1.3 - Modal Periods and Frequencies

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad²/sec²
Modal	1	0.058	17.204	108.0931	11684.1226
Modal	2	0.058	17.364	109.2265	11930.6596
Modal	3	0.055	18.336	115.2214	13275.9691
Modal	4	0.054	18.386	115.5216	13345.2492
Modal	5	0.051	19.772	124.232	15433.5962
Modal	6	0.05	19.913	125.1143	15653.59
Modal	7	0.05	20.165	126.6252	16064.6209
Modal	8	0.049	20.324	127.7009	16307.5234
Modal	9	0.049	20.576	129.2616	16713.7714
Modal	10	0.049	20.609	129.4912	16767.977
Modal	11	0.047	21.116	132.6729	17602.1051

Table 1.3 - Modal Periods and Frequencies (continued)

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad²/sec²
Modal	12	0.047	21.466	134.8734	18190.8452
Modal	13	0.046	21.775	136.8177	18719.0667
Modal	14	0.046	21.873	137.4318	18887.5005
Modal	15	0.043	22.997	144.4959	20879.0617
Modal	16	0.041	24.365	153.2167	23475.3521
Modal	17	0.041	24.459	153.8778	23616.866
Modal	18	0.039	25.41	159.6562	25490.7451
Modal	19	0.038	26.069	163.9202	26869.8364
Modal	20	0.037	27.367	172.0766	29611.0341
Modal	21	0.035	28.239	177.4262	31480.7639
Modal	22	0.034	29.376	184.5729	34067.1669
Modal	23	0.033	30.534	191.8499	36806.3976
Modal	24	0.031	32.17	202.1325	40857.563
Modal	25	0.03	33.165	208.3634	43423.6473
Modal	26	0.029	35.067	220.3315	48545.9739
Modal	27	0.026	37.883	238.0229	56654.9026
Modal	28	0.025	39.5	248.1631	61594.8324
Modal	29	0.023	42.556	267.365	71494.7305
Modal	30	0.023	43.557	273.6747	74897.656
Modal	31	0.02	49.761	312.6596	97756.1302
Modal	32	0.019	53.56	336.6556	113336.9603
Modal	33	0.016	63.665	401.2757	161022.2092
Modal	34	0.015	68.637	431.2614	185966.4064
Modal	35	0.012	83.693	525.8556	276527.4347
Modal	36	0.011	89.067	559.7496	313319.8499
Modal	37	0.008	120.715	758.4738	575262.5255
Modal	38	0.008	127.763	802.7576	644420.0745
Modal	39	0.004	263.936	1658.3692	2750156
Modal	40	0.004	267.637	1682.6709	2832054

Table 1.4 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	1	0.056	0.051	9.271E-07	0	0.051	9.271E-07	0
Modal	2	0.056	0.0167	0	0	0.0678	9.379E-07	0
Modal	3	0.055	0.0031	5.437E-07	0	0.0708	1.762E-06	0
Modal	4	0.054	0.0001	5.576E-07	0	0.0709	2.339E-06	0
Modal	5	0.051	0	0.0012	0	0.0709	0.0012	0
Modal	6	0.05	0	0.0002	0	0.0709	0.0014	0
Modal	7	0.05	1.372E-05	0.0047	0	0.0709	0.0062	0
Modal	8	0.049	0.0163	0.0001	0	0.0872	0.0063	0
Modal	9	0.049	0.004	0.0048	0	0.0912	0.0111	0
Modal	10	0.049	0.0026	0.0059	0	0.0938	0.017	0
Modal	11	0.047	0.026	1.394E-05	0	0.1199	0.017	0
Modal	12	0.047	0.0001	0.0037	0	0.1199	0.0206	0

Table 1.4 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	13	0.046	0.0085	7.534E-06	0	0.1264	0.0206	0
Modal	14	0.046	0.0001	0.0041	0	0.1265	0.0249	0
Modal	15	0.043	0.003	0	0	0.1315	0.0249	0
Modal	16	0.041	0.0393	4.38E-05	0	0.1708	0.0249	0
Modal	17	0.041	0.0001	0.0137	0	0.1709	0.0386	0
Modal	18	0.039	3.21E-05	0.0183	0	0.171	0.0569	0
Modal	19	0.038	0.0266	0.0001	0	0.1977	0.0571	0
Modal	20	0.037	0.0002	0.0146	0	0.1979	0.0717	0
Modal	21	0.035	0.065	0.0009	0	0.263	0.0726	0
Modal	22	0.034	0.0023	0.0714	0	0.2653	0.144	0
Modal	23	0.033	0.0646	0.0005	0	0.3299	0.1445	0
Modal	24	0.031	2.635E-05	0.223	0	0.3299	0.3675	0
Modal	25	0.03	0.1088	0.0006	0	0.4387	0.3683	0
Modal	26	0.029	0.0006	0.052	0	0.4395	0.4203	0
Modal	27	0.026	0.1068	7.905E-06	0	0.5463	0.4203	0
Modal	28	0.025	3.049E-06	0.1545	0	0.5463	0.6048	0
Modal	29	0.023	0.0794	0.0015	0	0.6277	0.6063	0
Modal	30	0.023	0.0006	0.1021	0	0.6284	0.7084	0
Modal	31	0.02	0.0973	0.0001	0	0.7257	0.7085	0
Modal	32	0.019	0.0001	0.0212	0	0.7257	0.7296	0
Modal	33	0.016	0.0419	0.0002	0	0.7676	0.73	0
Modal	34	0.015	0	0.0629	0	0.7676	0.7928	0
Modal	35	0.012	0.0666	0.0003	0	0.8343	0.7931	0
Modal	36	0.011	0.0002	0.0724	0	0.8345	0.8655	0
Modal	37	0.008	0.0915	4.015E-05	0	0.926	0.8656	0
Modal	38	0.008	0.0002	0.0524	0	0.9262	0.918	0
Modal	39	0.004	0.0586	0.0016	0	0.985	0.9196	0
Modal	40	0.004	0.0015	0.0671	0	0.9865	0.987	0

Table 1.4 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	1	3.256E-06	0.0122	0.0024	3.256E-06	0.0122	0.0024
Modal	2	1.541E-06	0.0034	0.0006	4.796E-06	0.0156	0.0031
Modal	3	1.922E-05	0.0001	0.0001	2.401E-05	0.0157	0.0033
Modal	4	1.213E-06	0.0004	7.161E-06	2.523E-05	0.0161	0.0033
Modal	5	0.0046	0	6.775E-07	0.0046	0.0161	0.0033
Modal	6	0.0011	6.422E-07	5.405E-06	0.0056	0.0161	0.0033
Modal	7	0.0173	3.014E-05	0.0007	0.023	0.0161	0.004
Modal	8	0.0004	0.0419	0.0001	0.0234	0.058	0.0041
Modal	9	0.0164	0.0145	0.0024	0.0398	0.0726	0.0064
Modal	10	0.0204	0.0089	3.425E-05	0.0602	0.0815	0.0064
Modal	11	2.109E-05	0.0397	0	0.0602	0.1212	0.0064
Modal	12	0.0091	3.673E-05	0.0004	0.0693	0.1212	0.0068
Modal	13	1.219E-05	0.0096	0.0001	0.0693	0.1308	0.007
Modal	14	0.0144	0.0001	1.399E-05	0.0837	0.1309	0.007

Table 1.4 - Modal Participating Mass Ratios (Part 2 of 2, continued)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	15	6.406E-06	0.0051	0.0006	0.0637	0.1389	0.0075
Modal	16	0.0001	4.066E-05	0.0002	0.0638	0.139	0.0077
Modal	17	0.0131	3.576E-06	0.001	0.0969	0.139	0.0087
Modal	18	0.0002	0.0003	0.0137	0.0971	0.1393	0.0224
Modal	19	1.795E-05	0.0008	0.0018	0.0971	0.14	0.0242
Modal	20	0.0002	1.276E-06	0.0012	0.0973	0.14	0.0255
Modal	21	1.505E-06	0.0011	0.0001	0.0973	0.1411	0.0255
Modal	22	0.0007	3.466E-05	0.0101	0.098	0.1412	0.0356
Modal	23	0.0001	0.0106	0.0006	0.0981	0.1517	0.0364
Modal	24	0.026	2.215E-05	0.0018	0.1241	0.1518	0.0381
Modal	25	0.0003	0.0196	0.0007	0.1244	0.1714	0.0389
Modal	26	0.0244	0.0003	0.01	0.1488	0.1716	0.0489
Modal	27	1.093E-06	0.123	0.0013	0.1488	0.2947	0.0502
Modal	28	0.1466	3.698E-06	0.0006	0.2955	0.2947	0.0509
Modal	29	0.0011	0.0362	0.0006	0.2966	0.3329	0.0514
Modal	30	0.1321	0.0005	0.0001	0.4287	0.3335	0.0515
Modal	31	0	0.052	0.0039	0.4287	0.3855	0.0554
Modal	32	4.869E-06	1.49E-05	0.0049	0.4287	0.3855	0.0603
Modal	33	0.0004	0.0026	0.0216	0.4291	0.3881	0.0819
Modal	34	0.0516	1.956E-05	3.946E-05	0.4807	0.3881	0.0819
Modal	35	0.0005	0.0464	0.0046	0.4811	0.4345	0.0865
Modal	36	0.0539	0.0002	0.0003	0.535	0.4346	0.0868
Modal	37	0.0001	0.1058	1.793E-06	0.5352	0.5406	0.0868
Modal	38	0.0806	2.122E-05	0.0046	0.6157	0.5406	0.0914
Modal	39	0.0037	0.1327	0.001	0.6195	0.6733	0.0924
Modal	40	0.1367	0.0039	0.0007	0.7562	0.6772	0.0932

Table 1.5 - Modal Participation Factors

Case	Mode	Period sec	UX tonf-m	UY tonf-m	UZ tonf-m	RX tonf-m	RY tonf-m	RZ tonf-m	Modal Mass tonf-m-s²	Modal Stiffness tonf-m
Modal	1	0.056	2.912653	-0.012414	0	0.045919	2.612539	16.656715	1	11664.12264
Modal	2	0.056	1.667341	-0.001344	0	-0.031594	1.479362	9.566666	1	11930.85956
Modal	3	0.055	-0.712643	0.011643	0	-0.111555	-0.290994	-3.6343	1	13275.96906
Modal	4	0.054	0.102713	-0.009626	0	0.026026	0.476519	0.924943	1	13345.24921
Modal	5	0.051	-0.001114	-0.446601	0	1.729002	-0.009925	-0.264505	1	15433.59624
Modal	6	0.05	0.006237	0.195515	0	-0.856155	-0.020393	0.603574	1	15653.59002
Modal	7	0.05	-0.047749	0.865926	0	-3.342696	-0.139714	-9.101512	1	16064.62066
Modal	8	0.049	1.64426	0.149064	0	-0.514399	5.210426	3.371169	1	16307.52339
Modal	9	0.049	-0.61912	0.69629	0	-3.259564	-3.069069	16.765115	1	16713.77143
Modal	10	0.049	-0.659654	-0.969475	0	3.630407	-2.403227	-2.022759	1	16767.97696
Modal	11	0.047	-2.060722	0.046144	0	-0.116662	-5.066642	-0.070297	1	17602.10509
Modal	12	0.047	0.104536	-0.769265	0	2.429661	0.154235	-6.657672	1	18190.84516
Modal	13	0.046	-1.169392	0.03539	0	-0.066656	-2.495662	-3.769101	1	18719.08675
Modal	14	0.046	0.09407	0.822911	0	-3.052676	0.180614	-1.292795	1	18887.50046
Modal	15	0.043	0.705693	-0.007697	0	0.073781	-2.26619	-6.162752	1	20879.06169

Table 1.5 - Modal Participation Factors (continued)

Case	Mode	Period sec	UX tonf-m	UY tonf-m	UZ tonf-m	RX tonf-m	RY tonf-m	RZ tonf-m	Modal Mass tonf-m-s²	Modal Stiffness tonf-m
Modal	16	0.041	2.556657	0.065325	0	-0.163641	0.162304	-5.125614	1	23475.35206
Modal	17	0.041	-0.152363	1.506606	0	-2.906254	-0.046122	10.770642	1	23616.666
Modal	18	0.039	-0.073052	-1.745624	0	-0.363713	0.412012	-40.447024	1	25490.74515
Modal	19	0.038	-2.109163	0.149491	0	-0.107821	0.704962	14.761692	1	26669.63635
Modal	20	0.037	-0.17166	-1.560139	0	0.399671	-0.026746	-12.076586	1	29611.03406
Modal	21	0.035	3.286235	-0.367269	0	0.031214	-0.642627	3.163069	1	31460.76389
Modal	22	0.034	0.620576	3.444285	0	0.653221	0.149664	-34.669031	1	34067.16686
Modal	23	0.033	3.27696	-0.297354	0	-0.279634	2.619273	-9.514329	1	36606.39761
Modal	24	0.031	-0.066655	-6.066293	0	4.106353	-0.119761	14.517769	1	40857.56295
Modal	25	0.03	4.252166	-0.375043	0	0.4127	3.561969	-9.422981	1	43423.6473
Modal	26	0.029	-0.361663	-3.692371	0	3.976066	-0.425906	-34.591007	1	46545.97391
Modal	27	0.026	4.253667	-0.036251	0	-0.026609	6.92561	-12.666822	1	56654.90264
Modal	28	0.025	-0.022512	-5.067695	0	9.744336	-0.046934	6.712237	1	61594.63237
Modal	29	0.023	3.632107	-0.501023	0	0.645735	4.975969	6.226466	1	71494.73054
Modal	30	0.023	-0.357675	-4.119916	0	9.249159	-0.595364	-2.75193	1	74897.65602
Modal	31	0.02	-4.020775	0.109693	0	0.007433	-5.604926	-26.734106	1	97756.13023
Modal	32	0.019	0.09177	1.678653	0	-0.056151	0.096216	-24.090326	1	113337
Modal	33	0.016	-2.63906	-0.160566	0	-0.520373	1.294937	50.622659	1	161022
Modal	34	0.015	-0.006096	-3.23305	0	-5.779413	-0.112546	-2.171087	1	185966
Modal	35	0.012	-3.327916	0.209964	0	0.546352	5.453244	-23.330179	1	276527
Modal	36	0.011	0.186556	3.469599	0	5.907026	-0.39302	6.219063	1	313320
Modal	37	0.008	3.900831	-0.061699	0	-0.301312	-5.276737	-0.462643	1	575263
Modal	38	0.008	0.184976	2.952542	0	7.223129	-0.117226	23.464754	1	644420
Modal	39	0.004	-3.125127	0.553466	0	1.557737	9.270423	-11.054636	1	2750166
Modal	40	0.004	-0.500052	-3.340504	0	-9.410076	1.595646	9.309361	1	2832054

Table 1.6 - Modal Load Participation Ratios

Case	Item Type	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	96.65
Modal	Acceleration	UY	100	96.7
Modal	Acceleration	UZ	0	0

Table 1.7 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.056	0.957	0	0	0.043
Modal	2	0.056	0.869	0	0	0.131
Modal	3	0.055	0.158	0.001	0	0.841
Modal	4	0.054	0.053	0	0	0.947
Modal	5	0.051	0	0.984	0	0.016
Modal	6	0.05	0.001	0.622	0	0.376
Modal	7	0.05	0.001	0.882	0	0.117
Modal	8	0.049	0.046	0	0	0.953
Modal	9	0.049	0.339	0.413	0	0.248

Table 1.7 - Modal Direction Factors (continued)

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	10	0.049	0.022	0.054	0	0.924
Modal	11	0.047	0.63	0	0	0.37
Modal	12	0.047	0.003	0.492	0	0.505
Modal	13	0.046	0.222	0	0	0.778
Modal	14	0.046	0.004	0.767	0	0.229
Modal	15	0.043	0.116	0	0	0.884
Modal	16	0.041	0.304	0.001	0	0.695
Modal	17	0.041	0	0.079	0	0.921
Modal	18	0.039	0.002	0.069	0	0.929
Modal	19	0.038	0.02	0	0	0.98
Modal	20	0.037	0	0.015	0	0.985
Modal	21	0.035	0.125	0.002	0	0.873
Modal	22	0.034	0.005	0.17	0	0.824
Modal	23	0.033	0.024	0	0	0.976
Modal	24	0.031	0	0.61	0	0.39
Modal	25	0.03	0.159	0.001	0	0.84
Modal	26	0.029	0.006	0.812	0	0.18
Modal	27	0.026	0.638	0	0	0.362
Modal	28	0.025	0	0.564	0	0.436
Modal	29	0.023	0.217	0.004	0	0.778
Modal	30	0.023	0.004	0.514	0	0.483
Modal	31	0.02	0.272	0	0	0.728
Modal	32	0.019	0	0.055	0	0.945
Modal	33	0.016	0.076	0.001	0	0.923
Modal	34	0.015	0	0.875	0	0.125
Modal	35	0.012	0.091	0.001	0	0.909
Modal	36	0.011	0.003	0.973	0	0.025
Modal	37	0.008	0.471	0	0	0.528
Modal	38	0.008	0.001	0.701	0	0.298
Modal	39	0.004	0.266	0.007	0	0.727
Modal	40	0.004	0.019	0.662	0	0.319

4.11 DISEÑO ESTRUCTURAL

4.11.1 Índices de Sobre esfuerzo Edificio 1

De acuerdo con la información de los modelos matemáticos realizados para el análisis estructural de La Alcaldía Menor De Barrios Unidos, los cuales han sido generados conforme a la información obtenida de las visitas e información recopilada, fue posible generar el estado de esfuerzos para las condiciones actuales (cargas gravitacionales) y las condiciones de diseño (cargas gravitacionales más cargas de sismo), de esta manera se presenta los siguientes resultados.

4.11.1.1 Evaluación Estado Actual (Cargas Gravitacionales)

Los resultados encontrados para estos análisis arrojaron valores óptimos de comportamiento, en los cuales solo se presenta un índice de sobre esfuerzo mayor a la unidad para un elemento ubicado en el piso 2 de la edificación

EVALUACIÓN ESTADO VULNERABILIDAD	
Índice de sobreesfuerzo a compresión axial máximo	0.16
Índice de sobreesfuerzo a flexo-compresión	0.28
Indice de sobreesfuerzo a cortante	1.15

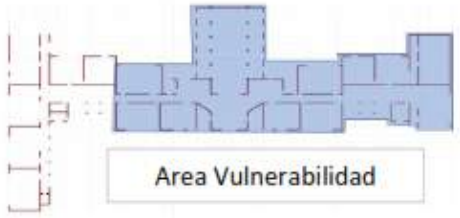
Los índices de sobre esfuerzo encontrados fueron realizados para la envolvente de diseño de las combinaciones de carga antes presentadas, de esta manera se establecieron 3 revisiones de cada elemento de acuerdo con las características de las solicitaciones actuantes

- Carga Axial Máxima con sus componentes de momento y cortante
- Momento Máximo con sus componentes de Axila y cortante
- Cortante Máxima con sus componentes de Axial y Momento.

La información de la revisión de cada uno de los muros evaluados para la Basílica puede ser consultada en las siguientes tablas.

PROYECTO:	ALCALDIA LOCAL DE BARRIOS UNIDOS	FECHA: 12/05/2022
PRESENTADO POR:	IVAN MAURICIO GUEVARA	No. P: P-22-895

ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 1 DE 2 - CARGAS GRAVITACIONALES





ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h`	d	h'/t	e_c	e_s	$\phi_c \phi_s f'm$	fa	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBREESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P1	AXIAL	320.18	1.40	0.64	300.00	14410.00	3500.00	14410.00	11.67	1.00	1.00	8.00	0.92	0.074	1.96	O.K	0.04
G1	CUBIERTA	G1P1	CORTANTE	310.08	3.44	1.72	300.00	14410.00	3500.00	14410.00	11.67	1.00	1.00	8.00	0.92	0.072	1.96	O.K	0.04
G1	CUBIERTA	G1P1	MOMENTO	310.08	3.44	1.72	300.00	14410.00	3500.00	14410.00	11.67	1.00	1.00	8.00	0.92	0.072	1.96	O.K	0.04
G1	CUBIERTA	G1P2	AXIAL	11.09	17.36	16.41	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.044	1.96	O.K	0.02
G1	CUBIERTA	G1P2	CORTANTE	8.69	33.96	24.39	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.034	1.96	O.K	0.02
G1	CUBIERTA	G1P2	MOMENTO	8.69	33.96	24.39	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.034	1.96	O.K	0.02
G1	CUBIERTA	G1P3	AXIAL	32.06	22.86	19.86	300.00	1410.00	3500.00	1410.00	11.67	1.00	1.00	8.00	0.92	0.076	1.96	O.K	0.04
G1	CUBIERTA	G1P3	CORTANTE	20.79	48.50	29.96	300.00	1410.00	3500.00	1410.00	11.67	1.00	1.00	8.00	0.92	0.049	1.96	O.K	0.03
G1	CUBIERTA	G1P3	MOMENTO	20.79	48.50	29.96	300.00	1410.00	3500.00	1410.00	11.67	1.00	1.00	8.00	0.92	0.049	1.96	O.K	0.03
G1	CUBIERTA	G1P4	AXIAL	42.94	19.81	18.46	300.00	1810.00	3500.00	1810.00	11.67	1.00	1.00	8.00	0.92	0.079	1.96	O.K	0.04
G1	CUBIERTA	G1P4	CORTANTE	31.97	43.37	26.20	300.00	1810.00	3500.00	1810.00	11.67	1.00	1.00	8.00	0.92	0.059	1.96	O.K	0.03
G1	CUBIERTA	G1P4	MOMENTO	31.97	43.37	26.20	300.00	1810.00	3500.00	1810.00	11.67	1.00	1.00	8.00	0.92	0.059	1.96	O.K	0.03
G1	CUBIERTA	G1P5	AXIAL	12.46	14.79	13.69	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.049	1.96	O.K	0.02
G1	CUBIERTA	G1P5	CORTANTE	4.91	28.69	20.49	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.019	1.96	O.K	0.01
G1	CUBIERTA	G1P5	MOMENTO	4.91	28.69	20.49	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.019	1.96	O.K	0.01
G1	CUBIERTA	G1P6	AXIAL	24.13	2.05	1.99	300.00	1090.00	3500.00	1090.00	11.67	1.00	1.00	8.00	0.92	0.074	1.96	O.K	0.04
G1	CUBIERTA	G1P6	CORTANTE	21.38	3.87	2.96	300.00	1090.00	3500.00	1090.00	11.67	1.00	1.00	8.00	0.92	0.065	1.96	O.K	0.03
G1	CUBIERTA	G1P6	MOMENTO	21.38	3.87	2.96	300.00	1090.00	3500.00	1090.00	11.67	1.00	1.00	8.00	0.92	0.065	1.96	O.K	0.03
G1	CUBIERTA	G1P7	AXIAL	128.17	0.32	12.75	300.00	4390.00	3500.00	4390.00	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P7	CORTANTE	128.17	0.32	12.75	300.00	4390.00	3500.00	4390.00	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P7	MOMENTO	128.17	0.32	12.75	300.00	4390.00	3500.00	4390.00	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P8	AXIAL	129.59	3.45	6.52	300.00	4560.00	3500.00	4560.00	11.67	1.00	1.00	8.00	0.92	0.095	1.96	O.K	0.05
G1	CUBIERTA	G1P8	CORTANTE	129.59	3.45	6.52	300.00	4560.00	3500.00	4560.00	11.67	1.00	1.00	8.00	0.92	0.095	1.96	O.K	0.05
G1	CUBIERTA	G1P8	MOMENTO	129.59	3.45	6.52	300.00	4560.00	3500.00	4560.00	11.67	1.00	1.00	8.00	0.92	0.095	1.96	O.K	0.05
G1	CUBIERTA	G1P9	AXIAL	55.74	1.60	2.10	300.00	2250.00	3500.00	2250.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P9	CORTANTE	55.03	0.27	2.76	300.00	2250.00	3500.00	2250.00	11.67	1.00	1.00	8.00	0.92	0.082	1.96	O.K	0.04
G1	CUBIERTA	G1P9	MOMENTO	55.74	1.60	2.10	300.00	2250.00	3500.00	2250.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P10	AXIAL	23.26	1.31	0.56	300.00	1000.00	3500.00	1000.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P10	CORTANTE	19.91	3.12	1.84	300.00	1000.00	3500.00	1000.00	11.67	1.00	1.00	8.00	0.92	0.066	1.96	O.K	0.03
G1	CUBIERTA	G1P10	MOMENTO	19.91	3.12	1.84	300.00	1000.00	3500.00	1000.00	11.67	1.00	1.00	8.00	0.92	0.066	1.96	O.K	0.03
G1	CUBIERTA	G1P11	AXIAL	36.04	4.76	3.28	300.00	1096.67	3500.00	1096.67	11.67	1.00	1.00	8.00	0.92	0.110	1.96	O.K	0.06
G1	CUBIERTA	G1P11	CORTANTE	36.01	9.73	4.70	300.00	1096.67	3500.00	1096.67	11.67	1.00	1.00	8.00	0.92	0.109	1.96	O.K	0.06
G1	CUBIERTA	G1P11	MOMENTO	36.01	9.73	4.70	300.00	1096.67	3500.00	1096.67	11.67	1.00	1.00	8.00	0.92	0.109	1.96	O.K	0.06
G1	CUBIERTA	G1P12	AXIAL	32.68	13.57	7.62	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P12	CORTANTE	22.30	33.54	18.12	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.053	1.96	O.K	0.03
G1	CUBIERTA	G1P12	MOMENTO	22.30	33.54	18.12	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.053	1.96	O.K	0.03
G1	CUBIERTA	G1P13	AXIAL	32.60	13.67	7.71	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P13	CORTANTE	22.45	33.43	18.13	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.053	1.96	O.K	0.03
G1	CUBIERTA	G1P13	MOMENTO	22.45	33.43	18.13	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.053	1.96	O.K	0.03

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_c	e_a	$\phi_c \phi_f f'm$	fle	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P14	AXIAL	154.10	4.23	1.25	300.00	6570.00	3500.00	6570.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P14	CORTANTE	154.10	4.23	1.25	300.00	6570.00	3500.00	6570.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P14	MOMENTO	154.10	4.23	1.25	300.00	6570.00	3500.00	6570.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P15	AXIAL	18.00	1.49	1.01	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.071	1.96	O.K	0.04
G1	CUBIERTA	G1P15	CORTANTE	14.19	3.26	2.24	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.056	1.96	O.K	0.03
G1	CUBIERTA	G1P15	MOMENTO	14.19	3.26	2.24	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.056	1.96	O.K	0.03
G1	CUBIERTA	G1P16	AXIAL	17.13	1.76	1.53	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.067	1.96	O.K	0.03
G1	CUBIERTA	G1P16	CORTANTE	11.80	4.22	3.15	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.046	1.96	O.K	0.02
G1	CUBIERTA	G1P16	MOMENTO	11.80	4.22	3.15	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.046	1.96	O.K	0.02
G1	CUBIERTA	G1P17	AXIAL	160.98	12.89	0.56	300.00	5920.00	3500.00	5920.00	11.67	1.00	1.00	8.00	0.92	0.091	1.96	O.K	0.05
G1	CUBIERTA	G1P17	CORTANTE	160.98	12.89	0.56	300.00	5920.00	3500.00	5920.00	11.67	1.00	1.00	8.00	0.92	0.091	1.96	O.K	0.05
G1	CUBIERTA	G1P17	MOMENTO	160.60	17.68	0.43	300.00	5920.00	3500.00	5920.00	11.67	1.00	1.00	8.00	0.92	0.090	1.96	O.K	0.05
G1	CUBIERTA	G1P18	AXIAL	132.31	4.76	12.26	300.00	5060.00	3500.00	5060.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P18	CORTANTE	127.55	3.86	18.14	300.00	5060.00	3500.00	5060.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P18	MOMENTO	132.31	4.76	12.26	300.00	5060.00	3500.00	5060.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P19	AXIAL	29.81	0.14	2.12	300.00	1150.00	3500.00	1150.00	11.67	1.00	1.00	8.00	0.92	0.066	1.96	O.K	0.04
G1	CUBIERTA	G1P19	CORTANTE	29.81	0.14	2.12	300.00	1150.00	3500.00	1150.00	11.67	1.00	1.00	8.00	0.92	0.066	1.96	O.K	0.04
G1	CUBIERTA	G1P19	MOMENTO	25.29	3.51	1.10	300.00	1150.00	3500.00	1150.00	11.67	1.00	1.00	8.00	0.92	0.073	1.96	O.K	0.04
G1	CUBIERTA	G1P20	AXIAL	112.11	2.38	7.21	300.00	3752.57	3500.00	3752.57	11.67	1.00	1.00	8.00	0.92	0.100	1.96	O.K	0.05
G1	CUBIERTA	G1P20	CORTANTE	109.29	1.30	8.15	300.00	3752.57	3500.00	3752.57	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P20	MOMENTO	112.11	2.38	7.21	300.00	3752.57	3500.00	3752.57	11.67	1.00	1.00	8.00	0.92	0.100	1.96	O.K	0.05
G1	CUBIERTA	G1P21	AXIAL	116.94	1.43	9.91	300.00	3895.50	3500.00	3895.50	11.67	1.00	1.00	8.00	0.92	0.100	1.96	O.K	0.05
G1	CUBIERTA	G1P21	CORTANTE	113.83	0.06	11.22	300.00	3895.50	3500.00	3895.50	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P21	MOMENTO	116.94	1.43	9.91	300.00	3895.50	3500.00	3895.50	11.67	1.00	1.00	8.00	0.92	0.100	1.96	O.K	0.05
G1	CUBIERTA	G1P22	AXIAL	30.09	0.13	1.65	300.00	1050.00	3500.00	1050.00	11.67	1.00	1.00	8.00	0.92	0.096	1.96	O.K	0.05
G1	CUBIERTA	G1P22	CORTANTE	30.09	0.13	1.65	300.00	1050.00	3500.00	1050.00	11.67	1.00	1.00	8.00	0.92	0.096	1.96	O.K	0.05
G1	CUBIERTA	G1P22	MOMENTO	25.78	2.97	1.52	300.00	1050.00	3500.00	1050.00	11.67	1.00	1.00	8.00	0.92	0.082	1.96	O.K	0.04
G1	CUBIERTA	G1P23	AXIAL	162.27	3.32	1.30	300.00	6420.00	3500.00	6420.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P23	CORTANTE	162.11	1.04	2.34	300.00	6420.00	3500.00	6420.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P23	MOMENTO	162.27	3.32	1.30	300.00	6420.00	3500.00	6420.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P24	AXIAL	56.33	21.30	22.13	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P24	CORTANTE	47.31	47.34	32.37	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.072	1.96	O.K	0.04
G1	CUBIERTA	G1P24	MOMENTO	47.31	47.34	32.37	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.072	1.96	O.K	0.04
G1	CUBIERTA	G1P25	AXIAL	85.39	2.63	5.43	300.00	2900.00	3500.00	2900.00	11.67	1.00	1.00	8.00	0.92	0.098	1.96	O.K	0.05
G1	CUBIERTA	G1P25	CORTANTE	85.39	2.63	5.43	300.00	2900.00	3500.00	2900.00	11.67	1.00	1.00	8.00	0.92	0.098	1.96	O.K	0.05
G1	CUBIERTA	G1P25	MOMENTO	85.39	2.63	5.43	300.00	2900.00	3500.00	2900.00	11.67	1.00	1.00	8.00	0.92	0.098	1.96	O.K	0.05
G1	CUBIERTA	G1P26	AXIAL	27.66	1.46	1.46	300.00	800.00	3500.00	800.00	11.67	1.00	1.00	8.00	0.92	0.115	1.96	O.K	0.06
G1	CUBIERTA	G1P26	CORTANTE	27.66	1.46	1.46	300.00	800.00	3500.00	800.00	11.67	1.00	1.00	8.00	0.92	0.115	1.96	O.K	0.06
G1	CUBIERTA	G1P26	MOMENTO	27.66	1.46	1.46	300.00	800.00	3500.00	800.00	11.67	1.00	1.00	8.00	0.92	0.115	1.96	O.K	0.06
G1	CUBIERTA	G1P27	AXIAL	53.44	5.71	2.24	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.076	1.96	O.K	0.04
G1	CUBIERTA	G1P27	CORTANTE	48.53	15.67	6.86	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.069	1.96	O.K	0.04
G1	CUBIERTA	G1P27	MOMENTO	48.53	15.67	6.86	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.069	1.96	O.K	0.04
G1	CUBIERTA	G1P28	AXIAL	52.61	6.87	2.89	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.075	1.96	O.K	0.04
G1	CUBIERTA	G1P28	CORTANTE	47.76	16.70	7.46	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.068	1.96	O.K	0.03
G1	CUBIERTA	G1P28	MOMENTO	47.76	16.70	7.46	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.068	1.96	O.K	0.03
G1	CUBIERTA	G1P29	AXIAL	33.47	0.41	0.33	300.00	900.00	3500.00	900.00	11.67	1.00	1.00	8.00	0.92	0.124	1.96	O.K	0.06
G1	CUBIERTA	G1P29	CORTANTE	33.47	0.41	0.33	300.00	900.00	3500.00	900.00	11.67	1.00	1.00	8.00	0.92	0.124	1.96	O.K	0.06
G1	CUBIERTA	G1P29	MOMENTO	33.47	0.41	0.33	300.00	900.00	3500.00	900.00	11.67	1.00	1.00	8.00	0.92	0.124	1.96	O.K	0.06
G1	CUBIERTA	G1P30	AXIAL	84.36	2.56	7.48	300.00	3000.00	3500.00	3000.00	11.67	1.00	1.00	8.00	0.92	0.094	1.96	O.K	0.05
G1	CUBIERTA	G1P30	CORTANTE	84.36	2.56	7.48	300.00	3000.00	3500.00	3000.00	11.67	1.00	1.00	8.00	0.92	0.094	1.96	O.K	0.05
G1	CUBIERTA	G1P30	MOMENTO	84.36	2.56	7.48	300.00	3000.00	3500.00	3000.00	11.67	1.00	1.00	8.00	0.92	0.094	1.96	O.K	0.05
G1	CUBIERTA	G1P31	AXIAL	51.63	19.62	17.50	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P31	CORTANTE	42.92	43.89	27.13	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.065	1.96	O.K	0.03
G1	CUBIERTA	G1P31	MOMENTO	42.92	43.89	27.13	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.065	1.96	O.K	0.03
G1	CUBIERTA	G1P32	AXIAL	212.58	58.05	8.35	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.106	1.96	O.K	0.05
G1	CUBIERTA	G1P32	CORTANTE	212.58	58.05	8.35	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.106	1.96	O.K	0.05
G1	CUBIERTA	G1P32	MOMENTO	212.58	58.05	8.35	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.106	1.96	O.K	0.05
G1	CUBIERTA	G1P33	AXIAL	173.14	18.21	1.24	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.092	1.96	O.K	0.05
G1	CUBIERTA	G1P33	CORTANTE	156.42	9.01	1.58	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P33	MOMENTO	173.14	18.21	1.24	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.092	1.96	O.K	0.05
G1	CUBIERTA	G1P34	AXIAL	160.19	45.89	6.63	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P34	CORTANTE	160.19	45.89	6.63	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P34	MOMENTO	160.19	45.89	6.63	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P35	AXIAL	199.37	3.05	9.32	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.099	1.96	O.K	0.05
G1	CUBIERTA	G1P35	CORTANTE	199.37	3.05	9.32	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.099	1.96	O.K	0.05
G1	CUBIERTA	G1P35	MOMENTO	183.99	4.18	4.60	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.092	1.96	O.K	0.05
G1	CUBIERTA	G1P36	AXIAL	69.14	0.52	0.29	300.00	2500.00	3500.00	2500.00	11.67	1.00	1.00	8.00	0.92	0.092	1.96	O.K	0.05
G1	CUBIERTA	G1P36	CORTANTE	66.39	0.06	0.84	300.00	2500.00	3500.00	2500.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P36	MOMENTO	69.14	0.52	0.29	300.00	2500.00	3500.00	2500.00	11.67	1.00	1.00	8.00	0.92	0.092	1.96	O.K	0.05

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	ϕ_c	ϕ_s	$\phi_{c,s}f'm$	fle	fa	$F'a_{adm}$	$fa<=F'a_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P37	AXIAL	24.85	0.46	0.30	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P37	CORTANTE	24.85	0.46	0.30	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P37	MOMENTO	24.85	0.46	0.30	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P38	AXIAL	39.96	0.56	0.57	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P38	CORTANTE	39.93	2.42	1.11	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P38	MOMENTO	39.93	2.42	1.11	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P39	AXIAL	39.61	3.66	1.63	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P39	CORTANTE	39.61	3.66	1.63	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P39	MOMENTO	39.61	3.66	1.63	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P40	AXIAL	40.35	4.96	2.20	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P40	CORTANTE	40.35	4.96	2.20	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P40	MOMENTO	40.35	4.96	2.20	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P41	AXIAL	40.45	1.23	1.11	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P41	CORTANTE	40.42	4.89	2.15	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P41	MOMENTO	40.42	4.89	2.15	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P42	AXIAL	36.29	1.05	3.22	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P42	CORTANTE	36.29	1.05	3.22	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P42	MOMENTO	33.67	1.20	2.78	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P43	AXIAL	168.59	14.66	13.45	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.090	1.96	O.K	0.05
G1	CUBIERTA	G1P43	CORTANTE	168.59	14.66	13.45	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.090	1.96	O.K	0.05
G1	CUBIERTA	G1P43	MOMENTO	168.59	14.66	13.45	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.090	1.96	O.K	0.05
G1	CUBIERTA	G1P44	AXIAL	114.70	0.75	9.15	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.106	1.96	O.K	0.05
G1	CUBIERTA	G1P44	CORTANTE	114.70	0.75	9.15	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.106	1.96	O.K	0.05
G1	CUBIERTA	G1P44	MOMENTO	114.70	0.75	9.15	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.106	1.96	O.K	0.05
G1	CUBIERTA	G1P45	AXIAL	42.68	2.60	5.01	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.119	1.96	O.K	0.06
G1	CUBIERTA	G1P45	CORTANTE	42.68	2.60	5.01	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.119	1.96	O.K	0.06
G1	CUBIERTA	G1P45	MOMENTO	42.68	2.60	5.01	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.119	1.96	O.K	0.06
G1	CUBIERTA	G1P46	AXIAL	61.38	3.20	0.25	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.098	1.96	O.K	0.05
G1	CUBIERTA	G1P46	CORTANTE	56.48	0.56	2.49	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.088	1.96	O.K	0.04
G1	CUBIERTA	G1P46	MOMENTO	61.38	3.20	0.25	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.098	1.96	O.K	0.05
G1	CUBIERTA	G1P47	AXIAL	113.73	1.05	11.21	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.105	1.96	O.K	0.05
G1	CUBIERTA	G1P47	CORTANTE	113.73	1.05	11.21	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.105	1.96	O.K	0.05
G1	CUBIERTA	G1P47	MOMENTO	113.73	1.05	11.21	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.105	1.96	O.K	0.05
G1	CUBIERTA	G1P48	AXIAL	42.03	0.65	1.32	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.117	1.96	O.K	0.06
G1	CUBIERTA	G1P48	CORTANTE	42.03	0.65	1.32	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.117	1.96	O.K	0.06
G1	CUBIERTA	G1P48	MOMENTO	42.03	0.65	1.32	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.117	1.96	O.K	0.06
G1	CUBIERTA	G1P49	AXIAL	62.26	3.59	0.05	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P49	CORTANTE	57.41	0.70	2.35	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P49	MOMENTO	62.26	3.59	0.05	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P50	AXIAL	25.35	0.56	0.21	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P50	CORTANTE	25.35	0.56	0.21	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P50	MOMENTO	25.35	0.56	0.21	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P51	AXIAL	40.32	0.64	0.55	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P51	CORTANTE	40.29	2.63	1.14	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P51	MOMENTO	40.29	2.63	1.14	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P52	AXIAL	40.01	3.95	1.66	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P52	CORTANTE	40.01	3.95	1.66	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P52	MOMENTO	40.01	3.95	1.66	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P53	AXIAL	40.77	5.34	2.24	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P53	CORTANTE	40.77	5.34	2.24	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P53	MOMENTO	40.77	5.34	2.24	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P54	AXIAL	40.86	1.33	1.07	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P54	CORTANTE	40.82	5.26	2.19	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P54	MOMENTO	40.82	5.26	2.19	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.086	1.96	O.K	0.04
G1	CUBIERTA	G1P55	AXIAL	34.84	0.39	1.71	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P55	CORTANTE	34.84	0.39	1.71	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P55	MOMENTO	32.16	0.53	1.24	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.079	1.96	O.K	0.04
G1	CUBIERTA	G1P56	AXIAL	166.20	34.80	17.56	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P56	CORTANTE	166.20	34.80	17.56	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P56	MOMENTO	166.20	34.80	17.56	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P57	AXIAL	65.73	1.92	3.56	300.00	2610.00	3500.00	2610.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P57	CORTANTE	65.73	1.92	3.56	300.00	2610.00	3500.00	2610.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P57	MOMENTO	65.04	4.89	2.98	300.00	2610.00	3500.00	2610.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P58	AXIAL	197.73	8.00	5.01	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.095	1.96	O.K	0.05
G1	CUBIERTA	G1P58	CORTANTE	197.73	8.00	5.01	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.095	1.96	O.K	0.05
G1	CUBIERTA	G1P58	MOMENTO	186.50	8.00	0.61	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.093	1.96	O.K	0.05
G1	CUBIERTA	G1P59	AXIAL	175.33	35.58	1.43	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.093	1.96	O.K	0.05
G1	CUBIERTA	G1P59	CORTANTE	175.33	35.58	1.43	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.093	1.96	O.K	0.05
G1	CUBIERTA	G1P59	MOMENTO	175.33	35.58	1.43	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.093	1.96	O.K	0.05

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_C	e_a	$\phi_c \phi_f f'm$	fle	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P60	AXIAL	208.57	46.32	4.78	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.104	1.96	O.K	0.05
G1	CUBIERTA	G1P60	CORTANTE	208.57	46.32	4.78	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.104	1.96	O.K	0.05
G1	CUBIERTA	G1P60	MOMENTO	208.57	46.32	4.78	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.104	1.96	O.K	0.05
G1	CUBIERTA	G1P61	AXIAL	163.97	38.32	0.92	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P61	CORTANTE	163.97	38.32	0.92	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P61	MOMENTO	163.97	38.32	0.92	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P62	AXIAL	124.72	0.93	0.41	300.00	5280.00	3500.00	5280.00	11.67	1.00	1.00	8.00	0.92	0.079	1.96	O.K	0.04
G1	CUBIERTA	G1P62	CORTANTE	123.98	2.82	1.78	300.00	5280.00	3500.00	5280.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P62	MOMENTO	123.98	2.82	1.78	300.00	5280.00	3500.00	5280.00	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P63	AXIAL	53.43	2.72	1.33	300.00	2106.67	3500.00	2106.67	11.67	1.00	1.00	8.00	0.92	0.085	1.96	O.K	0.04
G1	CUBIERTA	G1P63	CORTANTE	49.52	6.39	2.50	300.00	2106.67	3500.00	2106.67	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P63	MOMENTO	49.52	6.39	2.50	300.00	2106.67	3500.00	2106.67	11.67	1.00	1.00	8.00	0.92	0.078	1.96	O.K	0.04
G1	CUBIERTA	G1P64	AXIAL	56.98	5.78	3.28	300.00	2290.00	3500.00	2290.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P64	CORTANTE	56.97	12.61	5.29	300.00	2290.00	3500.00	2290.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P64	MOMENTO	56.97	12.61	5.29	300.00	2290.00	3500.00	2290.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P65	AXIAL	137.81	0.27	10.34	300.00	5250.00	3500.00	5250.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P65	CORTANTE	132.68	8.08	16.56	300.00	5250.00	3500.00	5250.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P65	MOMENTO	132.68	8.08	16.56	300.00	5250.00	3500.00	5250.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	PISO2	G1P1	AXIAL	750.12	3.36	3.50	300.00	14410.00	3700.00	14410.00	12.33	1.00	1.00	8.00	0.91	0.174	1.94	O.K	0.09
G1	PISO2	G1P1	CORTANTE	652.82	6.92	3.69	300.00	14410.00	3700.00	14410.00	12.33	1.00	1.00	8.00	0.91	0.151	1.94	O.K	0.08
G1	PISO2	G1P1	MOMENTO	652.82	6.92	3.69	300.00	14410.00	3700.00	14410.00	12.33	1.00	1.00	8.00	0.91	0.151	1.94	O.K	0.08
G1	PISO2	G1P2	AXIAL	30.37	3.14	5.04	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.119	1.94	O.K	0.06
G1	PISO2	G1P2	CORTANTE	26.86	9.76	15.11	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.105	1.94	O.K	0.05
G1	PISO2	G1P2	MOMENTO	26.86	9.76	15.11	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.105	1.94	O.K	0.05
G1	PISO2	G1P3	AXIAL	86.39	11.98	16.05	300.00	1410.00	3700.00	1410.00	12.33	1.00	1.00	8.00	0.91	0.204	1.94	O.K	0.11
G1	PISO2	G1P3	CORTANTE	86.39	11.98	16.05	300.00	1410.00	3700.00	1410.00	12.33	1.00	1.00	8.00	0.91	0.204	1.94	O.K	0.11
G1	PISO2	G1P3	MOMENTO	86.39	11.98	16.05	300.00	1410.00	3700.00	1410.00	12.33	1.00	1.00	8.00	0.91	0.204	1.94	O.K	0.11
G1	PISO2	G1P4	AXIAL	112.30	10.00	15.39	300.00	1810.00	3700.00	1810.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P4	CORTANTE	112.30	10.00	15.39	300.00	1810.00	3700.00	1810.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P4	MOMENTO	112.30	10.00	15.39	300.00	1810.00	3700.00	1810.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P5	AXIAL	31.04	2.68	4.38	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.122	1.94	O.K	0.06
G1	PISO2	G1P5	CORTANTE	28.36	8.31	12.96	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.111	1.94	O.K	0.06
G1	PISO2	G1P5	MOMENTO	28.36	8.31	12.96	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.111	1.94	O.K	0.06
G1	PISO2	G1P6	AXIAL	53.08	1.04	1.23	300.00	1090.00	3700.00	1090.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P6	CORTANTE	53.08	1.04	1.23	300.00	1090.00	3700.00	1090.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P6	MOMENTO	53.08	1.04	1.23	300.00	1090.00	3700.00	1090.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P7	AXIAL	252.27	5.45	22.89	300.00	4390.00	3700.00	4390.00	12.33	1.00	1.00	8.00	0.91	0.192	1.94	O.K	0.10
G1	PISO2	G1P7	CORTANTE	252.27	5.45	22.89	300.00	4390.00	3700.00	4390.00	12.33	1.00	1.00	8.00	0.91	0.192	1.94	O.K	0.10
G1	PISO2	G1P7	MOMENTO	252.27	5.45	22.89	300.00	4390.00	3700.00	4390.00	12.33	1.00	1.00	8.00	0.91	0.192	1.94	O.K	0.10
G1	PISO2	G1P8	AXIAL	257.55	9.17	22.39	300.00	4560.00	3700.00	4560.00	12.33	1.00	1.00	8.00	0.91	0.188	1.94	O.K	0.10
G1	PISO2	G1P8	CORTANTE	257.55	9.17	22.39	300.00	4560.00	3700.00	4560.00	12.33	1.00	1.00	8.00	0.91	0.188	1.94	O.K	0.10
G1	PISO2	G1P8	MOMENTO	257.55	9.17	22.39	300.00	4560.00	3700.00	4560.00	12.33	1.00	1.00	8.00	0.91	0.188	1.94	O.K	0.10
G1	PISO2	G1P9	AXIAL	106.45	0.97	2.41	300.00	2250.00	3700.00	2250.00	12.33	1.00	1.00	8.00	0.91	0.158	1.94	O.K	0.08
G1	PISO2	G1P9	CORTANTE	106.45	0.97	2.41	300.00	2250.00	3700.00	2250.00	12.33	1.00	1.00	8.00	0.91	0.158	1.94	O.K	0.08
G1	PISO2	G1P9	MOMENTO	106.45	0.97	2.41	300.00	2250.00	3700.00	2250.00	12.33	1.00	1.00	8.00	0.91	0.158	1.94	O.K	0.08
G1	PISO2	G1P10	AXIAL	52.51	1.73	2.01	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.175	1.94	O.K	0.09
G1	PISO2	G1P10	CORTANTE	52.51	1.73	2.01	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.175	1.94	O.K	0.09
G1	PISO2	G1P10	MOMENTO	52.51	1.73	2.01	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.175	1.94	O.K	0.09
G1	PISO2	G1P11	AXIAL	85.65	3.69	3.22	300.00	1096.67	3700.00	1096.67	12.33	1.00	1.00	8.00	0.91	0.260	1.94	O.K	0.13
G1	PISO2	G1P11	CORTANTE	85.65	3.69	3.22	300.00	1096.67	3700.00	1096.67	12.33	1.00	1.00	8.00	0.91	0.260	1.94	O.K	0.13
G1	PISO2	G1P11	MOMENTO	85.65	3.69	3.22	300.00	1096.67	3700.00	1096.67	12.33	1.00	1.00	8.00	0.91	0.260	1.94	O.K	0.13
G1	PISO2	G1P12	AXIAL	105.97	9.80	13.64	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.252	1.94	O.K	0.13
G1	PISO2	G1P12	CORTANTE	105.97	9.80	13.64	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.252	1.94	O.K	0.13
G1	PISO2	G1P12	MOMENTO	105.97	9.80	13.64	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.252	1.94	O.K	0.13
G1	PISO2	G1P13	AXIAL	105.97	9.40	13.23	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.252	1.94	O.K	0.13
G1	PISO2	G1P13	CORTANTE	105.97	9.40	13.23	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.252	1.94	O.K	0.13
G1	PISO2	G1P13	MOMENTO	105.97	9.40	13.23	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.252	1.94	O.K	0.13
G1	PISO2	G1P14	AXIAL	399.14	2.59	1.44	300.00	6570.00	3700.00	6570.00	12.33	1.00	1.00	8.00	0.91	0.203	1.94	O.K	0.10
G1	PISO2	G1P14	CORTANTE	399.14	2.59	1.44	300.00	6570.00	3700.00	6570.00	12.33	1.00	1.00	8.00	0.91	0.203	1.94	O.K	0.10
G1	PISO2	G1P14	MOMENTO	399.14	2.59	1.44	300.00	6570.00	3700.00	6570.00	12.33	1.00	1.00	8.00	0.91	0.203	1.94	O.K	0.10
G1	PISO2	G1P15	AXIAL	42.69	1.52	1.78	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.167	1.94	O.K	0.09
G1	PISO2	G1P15	CORTANTE	42.69	1.52	1.78	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.167	1.94	O.K	0.09
G1	PISO2	G1P15	MOMENTO	42.69	1.52	1.78	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.167	1.94	O.K	0.09
G1	PISO2	G1P16	AXIAL	42.31	1.86	2.22	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P16	CORTANTE	42.31	1.86	2.22	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P16	MOMENTO	42.31	1.86	2.22	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P17	AXIAL	382.08	1.42	0.31	300.00	5920.00	3700.00	5920.00	12.33	1.00	1.00	8.00	0.91	0.215	1.94	O.K	0.11
G1	PISO2	G1P17	CORTANTE	322.43	2.49	1.20	300.00	5920.00	3700.00	5920.00	12.33	1.00	1.00	8.00	0.91	0.182	1.94	O.K	0.09
G1	PISO2	G1P17	MOMENTO	322.43	2.49	1.20	300.00	5920.00	3700.00	5920.00	12.33	1.00	1.00	8.00	0.91	0.182	1.94	O.K	0.09
G1	PISO2	G1P18	AXIAL	303.38	17.10	8.71	300.00	5060.00	3700.00	5060.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P18	CORTANTE	303.38	17.10	8.71	300.00	5060.00	3700.00	5060.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P18	MOMENTO	303.38	17.10	8.71	300.00	5060.00	3700.00	5060.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P19	AXIAL	66.15	1.48	3.97	300.00	1150.00	3700.00	1150.00	12.33	1.00	1.00	8.00	0.91	0.192	1.94	O.K	0.10

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_c	e_s	$\phi_c\phi_s f'm$	Re	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	PISO2	G1P19	CORTANTE	60.45	1.57	4.09	300.00	1150.00	3700.00	1150.00	12.33	1.00	1.00	8.00	0.91	0.175	1.94	O.K	0.09
G1	PISO2	G1P19	MOMENTO	60.45	1.57	4.09	300.00	1150.00	3700.00	1150.00	12.33	1.00	1.00	8.00	0.91	0.175	1.94	O.K	0.09
G1	PISO2	G1P20	AXIAL	219.48	5.70	5.31	300.00	3752.57	3700.00	3752.57	12.33	1.00	1.00	8.00	0.91	0.195	1.94	O.K	0.10
G1	PISO2	G1P20	CORTANTE	219.48	5.70	5.31	300.00	3752.57	3700.00	3752.57	12.33	1.00	1.00	8.00	0.91	0.195	1.94	O.K	0.10
G1	PISO2	G1P20	MOMENTO	219.48	5.70	5.31	300.00	3752.57	3700.00	3752.57	12.33	1.00	1.00	8.00	0.91	0.195	1.94	O.K	0.10
G1	PISO2	G1P21	AXIAL	230.15	4.67	6.39	300.00	3895.50	3700.00	3895.50	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P21	CORTANTE	230.15	4.67	6.39	300.00	3895.50	3700.00	3895.50	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P21	MOMENTO	230.15	4.67	6.39	300.00	3895.50	3700.00	3895.50	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P22	AXIAL	61.63	1.57	4.05	300.00	1050.00	3700.00	1050.00	12.33	1.00	1.00	8.00	0.91	0.196	1.94	O.K	0.10
G1	PISO2	G1P22	CORTANTE	61.63	1.57	4.05	300.00	1050.00	3700.00	1050.00	12.33	1.00	1.00	8.00	0.91	0.196	1.94	O.K	0.10
G1	PISO2	G1P22	MOMENTO	56.33	1.59	4.02	300.00	1050.00	3700.00	1050.00	12.33	1.00	1.00	8.00	0.91	0.179	1.94	O.K	0.09
G1	PISO2	G1P23	AXIAL	400.23	6.42	2.76	300.00	6420.00	3700.00	6420.00	12.33	1.00	1.00	8.00	0.91	0.208	1.94	O.K	0.11
G1	PISO2	G1P23	CORTANTE	400.23	6.42	2.76	300.00	6420.00	3700.00	6420.00	12.33	1.00	1.00	8.00	0.91	0.208	1.94	O.K	0.11
G1	PISO2	G1P23	MOMENTO	400.23	6.42	2.76	300.00	6420.00	3700.00	6420.00	12.33	1.00	1.00	8.00	0.91	0.208	1.94	O.K	0.11
G1	PISO2	G1P24	AXIAL	140.24	8.63	16.03	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.212	1.94	O.K	0.11
G1	PISO2	G1P24	CORTANTE	140.24	8.63	16.03	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.212	1.94	O.K	0.11
G1	PISO2	G1P24	MOMENTO	140.24	8.63	16.03	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.212	1.94	O.K	0.11
G1	PISO2	G1P25	AXIAL	179.68	2.43	3.50	300.00	2900.00	3700.00	2900.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P25	CORTANTE	179.68	2.43	3.50	300.00	2900.00	3700.00	2900.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P25	MOMENTO	179.68	2.43	3.50	300.00	2900.00	3700.00	2900.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P26	AXIAL	74.03	0.18	0.15	300.00	800.00	3700.00	800.00	12.33	1.00	1.00	8.00	0.91	0.308	1.94	O.K	0.16
G1	PISO2	G1P26	CORTANTE	55.85	0.36	0.30	300.00	800.00	3700.00	800.00	12.33	1.00	1.00	8.00	0.91	0.233	1.94	O.K	0.12
G1	PISO2	G1P26	MOMENTO	55.85	0.36	0.30	300.00	800.00	3700.00	800.00	12.33	1.00	1.00	8.00	0.91	0.233	1.94	O.K	0.12
G1	PISO2	G1P27	AXIAL	146.06	1.57	5.93	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P27	CORTANTE	146.06	1.57	5.93	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P27	MOMENTO	146.06	1.57	5.93	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P28	AXIAL	145.95	1.25	5.15	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P28	CORTANTE	145.95	1.25	5.15	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P28	MOMENTO	145.95	1.25	5.15	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P29	AXIAL	82.38	0.09	0.07	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.305	1.94	O.K	0.16
G1	PISO2	G1P29	CORTANTE	82.38	0.09	0.07	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.305	1.94	O.K	0.16
G1	PISO2	G1P29	MOMENTO	82.38	0.09	0.07	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.305	1.94	O.K	0.16
G1	PISO2	G1P30	AXIAL	185.72	1.87	3.91	300.00	3000.00	3700.00	3000.00	12.33	1.00	1.00	8.00	0.91	0.206	1.94	O.K	0.11
G1	PISO2	G1P30	CORTANTE	185.72	1.87	3.91	300.00	3000.00	3700.00	3000.00	12.33	1.00	1.00	8.00	0.91	0.206	1.94	O.K	0.11
G1	PISO2	G1P30	MOMENTO	185.72	1.87	3.91	300.00	3000.00	3700.00	3000.00	12.33	1.00	1.00	8.00	0.91	0.206	1.94	O.K	0.11
G1	PISO2	G1P31	AXIAL	135.31	7.97	14.72	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.205	1.94	O.K	0.11
G1	PISO2	G1P31	CORTANTE	135.31	7.97	14.72	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.205	1.94	O.K	0.11
G1	PISO2	G1P31	MOMENTO	135.31	7.97	14.72	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.205	1.94	O.K	0.11
G1	PISO2	G1P32	AXIAL	426.43	76.37	13.95	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.159	1.94	O.K	0.08
G1	PISO2	G1P32	CORTANTE	426.43	76.37	13.95	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.159	1.94	O.K	0.08
G1	PISO2	G1P32	MOMENTO	385.99	97.44	13.49	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.144	1.94	O.K	0.07
G1	PISO2	G1P33	AXIAL	331.72	25.03	2.11	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.177	1.94	O.K	0.09
G1	PISO2	G1P33	CORTANTE	331.72	25.03	2.11	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.177	1.94	O.K	0.09
G1	PISO2	G1P33	MOMENTO	331.72	25.03	2.11	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.177	1.94	O.K	0.09
G1	PISO2	G1P34	AXIAL	350.57	23.66	5.52	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.187	1.94	O.K	0.10
G1	PISO2	G1P34	CORTANTE	350.57	23.66	5.52	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.187	1.94	O.K	0.10
G1	PISO2	G1P34	MOMENTO	350.57	23.66	5.52	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.187	1.94	O.K	0.10
G1	PISO2	G1P35	AXIAL	377.26	21.32	5.42	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.188	1.94	O.K	0.10
G1	PISO2	G1P35	CORTANTE	377.26	21.32	5.42	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.188	1.94	O.K	0.10
G1	PISO2	G1P35	MOMENTO	377.26	21.32	5.42	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.188	1.94	O.K	0.10
G1	PISO2	G1P36	AXIAL	128.42	0.90	1.51	300.00	2500.00	3700.00	2500.00	12.33	1.00	1.00	8.00	0.91	0.171	1.94	O.K	0.09
G1	PISO2	G1P36	CORTANTE	128.42	0.90	1.51	300.00	2500.00	3700.00	2500.00	12.33	1.00	1.00	8.00	0.91	0.171	1.94	O.K	0.09
G1	PISO2	G1P36	MOMENTO	122.45	1.17	0.79	300.00	2500.00	3700.00	2500.00	12.33	1.00	1.00	8.00	0.91	0.163	1.94	O.K	0.08
G1	PISO2	G1P37	AXIAL	51.58	0.36	0.34	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.09
G1	PISO2	G1P37	CORTANTE	51.58	0.36	0.34	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.09
G1	PISO2	G1P37	MOMENTO	51.58	0.36	0.34	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.09
G1	PISO2	G1P38	AXIAL	184.01	0.56	0.88	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P38	CORTANTE	184.01	0.56	0.88	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P38	MOMENTO	184.01	0.56	0.88	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P39	AXIAL	102.37	0.96	1.30	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.220	1.94	O.K	0.11
G1	PISO2	G1P39	CORTANTE	102.37	0.96	1.30	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.220	1.94	O.K	0.11
G1	PISO2	G1P39	MOMENTO	102.37	0.96	1.30	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.220	1.94	O.K	0.11
G1	PISO2	G1P40	AXIAL	103.70	1.32	1.73	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.217	1.94	O.K	0.11
G1	PISO2	G1P40	CORTANTE	103.70	1.32	1.73	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.217	1.94	O.K	0.11
G1	PISO2	G1P40	MOMENTO	103.70	1.32	1.73	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.217	1.94	O.K	0.11
G1	PISO2	G1P41	AXIAL	104.18	1.31	1.72	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.218	1.94	O.K	0.11
G1	PISO2	G1P41	CORTANTE	104.18	1.31	1.72	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.218	1.94	O.K	0.11
G1	PISO2	G1P41	MOMENTO	104.18	1.31	1.72	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.218	1.94	O.K	0.11
G1	PISO2	G1P42	AXIAL	69.14	0.04	0.07	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.169	1.94	O.K	0.09
G1	PISO2	G1P42	CORTANTE	61.33	0.20	0.09	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.150	1.94	O.K	0.08
G1	PISO2	G1P42	MOMENTO	61.33	0.20	0.09	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.150	1.94	O.K	0.08
G1	PISO2	G1P43	AXIAL	342.38	17.04	0.76	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.182	1.94	O.K	0.09
G1	PISO2	G1P43	CORTANTE	342.38	17.04	0.76	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.182	1.94	O.K	0.09

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_c	e_a	$\phi_c\phi_f F'm$	fke	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	PISO2	G1P43	MOMENTO	342.38	17.04	0.76	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.182	1.94	O.K	0.09
G1	PISO2	G1P44	AXIAL	243.31	20.99	1.12	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P44	CORTANTE	243.31	20.99	1.12	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P44	MOMENTO	243.31	20.99	1.12	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P45	AXIAL	71.96	0.26	0.62	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P45	CORTANTE	71.96	0.26	0.62	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P45	MOMENTO	66.09	0.54	0.05	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.184	1.94	O.K	0.09
G1	PISO2	G1P46	AXIAL	122.75	0.96	2.76	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.191	1.94	O.K	0.10
G1	PISO2	G1P46	CORTANTE	122.75	0.96	2.76	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.191	1.94	O.K	0.10
G1	PISO2	G1P46	MOMENTO	122.75	0.96	2.76	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.191	1.94	O.K	0.10
G1	PISO2	G1P47	AXIAL	242.44	20.63	1.84	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P47	CORTANTE	242.44	20.63	1.84	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P47	MOMENTO	242.44	20.63	1.84	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P48	AXIAL	72.00	0.28	1.45	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P48	CORTANTE	72.00	0.28	1.45	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P48	MOMENTO	72.00	0.28	1.45	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.200	1.94	O.K	0.10
G1	PISO2	G1P49	AXIAL	123.65	0.66	2.77	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.193	1.94	O.K	0.10
G1	PISO2	G1P49	CORTANTE	123.65	0.66	2.77	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.193	1.94	O.K	0.10
G1	PISO2	G1P49	MOMENTO	123.65	0.66	2.77	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.193	1.94	O.K	0.10
G1	PISO2	G1P50	AXIAL	51.34	0.38	0.29	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G1	PISO2	G1P50	CORTANTE	51.34	0.38	0.29	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G1	PISO2	G1P50	MOMENTO	45.35	0.39	0.09	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.145	1.94	O.K	0.07
G1	PISO2	G1P51	AXIAL	106.28	0.69	0.97	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.229	1.94	O.K	0.12
G1	PISO2	G1P51	CORTANTE	106.28	0.69	0.97	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.229	1.94	O.K	0.12
G1	PISO2	G1P51	MOMENTO	106.28	0.69	0.97	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.229	1.94	O.K	0.12
G1	PISO2	G1P52	AXIAL	104.57	1.13	1.43	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P52	CORTANTE	104.57	1.13	1.43	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P52	MOMENTO	104.57	1.13	1.43	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P53	AXIAL	105.89	1.53	1.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.222	1.94	O.K	0.11
G1	PISO2	G1P53	CORTANTE	105.89	1.53	1.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.222	1.94	O.K	0.11
G1	PISO2	G1P53	MOMENTO	105.89	1.53	1.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.222	1.94	O.K	0.11
G1	PISO2	G1P54	AXIAL	106.39	1.51	1.88	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.223	1.94	O.K	0.11
G1	PISO2	G1P54	CORTANTE	106.39	1.51	1.88	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.223	1.94	O.K	0.11
G1	PISO2	G1P54	MOMENTO	106.39	1.51	1.88	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.223	1.94	O.K	0.11
G1	PISO2	G1P55	AXIAL	67.69	0.22	0.33	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P55	CORTANTE	67.69	0.22	0.33	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P55	MOMENTO	61.86	0.33	0.27	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.152	1.94	O.K	0.08
G1	PISO2	G1P56	AXIAL	340.95	8.90	2.17	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.182	1.94	O.K	0.09
G1	PISO2	G1P56	CORTANTE	312.15	1.82	3.57	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P56	MOMENTO	340.95	8.90	2.17	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.182	1.94	O.K	0.09
G1	PISO2	G1P57	AXIAL	127.04	1.87	0.86	300.00	2610.00	3700.00	2610.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P57	CORTANTE	127.04	1.87	0.86	300.00	2610.00	3700.00	2610.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P57	MOMENTO	127.04	1.87	0.86	300.00	2610.00	3700.00	2610.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P58	AXIAL	374.37	9.40	4.21	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.186	1.94	O.K	0.10
G1	PISO2	G1P58	CORTANTE	374.37	9.40	4.21	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.186	1.94	O.K	0.10
G1	PISO2	G1P58	MOMENTO	374.37	9.40	4.21	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.186	1.94	O.K	0.10
G1	PISO2	G1P59	AXIAL	358.14	21.95	5.01	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.191	1.94	O.K	0.10
G1	PISO2	G1P59	CORTANTE	358.14	21.95	5.01	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.191	1.94	O.K	0.10
G1	PISO2	G1P59	MOMENTO	358.14	21.95	5.01	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.191	1.94	O.K	0.10
G1	PISO2	G1P60	AXIAL	416.98	56.54	13.48	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.156	1.94	O.K	0.08
G1	PISO2	G1P60	CORTANTE	416.98	56.54	13.48	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.156	1.94	O.K	0.08
G1	PISO2	G1P60	MOMENTO	379.53	70.71	12.91	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.142	1.94	O.K	0.07
G1	PISO2	G1P61	AXIAL	331.23	18.64	1.55	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.176	1.94	O.K	0.09
G1	PISO2	G1P61	CORTANTE	309.39	2.88	2.18	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G1	PISO2	G1P61	MOMENTO	331.23	18.64	1.55	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.176	1.94	O.K	0.09
G1	PISO2	G1P62	AXIAL	327.79	2.89	2.49	300.00	5280.00	3700.00	5280.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P62	CORTANTE	327.79	2.89	2.49	300.00	5280.00	3700.00	5280.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P62	MOMENTO	327.79	2.89	2.49	300.00	5280.00	3700.00	5280.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P63	AXIAL	124.42	1.12	1.65	300.00	2106.67	3700.00	2106.67	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P63	CORTANTE	124.42	1.12	1.65	300.00	2106.67	3700.00	2106.67	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P63	MOMENTO	124.42	1.12	1.65	300.00	2106.67	3700.00	2106.67	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P64	AXIAL	141.65	2.71	3.59	300.00	2290.00	3700.00	2290.00	12.33	1.00	1.00	8.00	0.91	0.206	1.94	O.K	0.11
G1	PISO2	G1P64	CORTANTE	141.65	2.71	3.59	300.00	2290.00	3700.00	2290.00	12.33	1.00	1.00	8.00	0.91	0.206	1.94	O.K	0.11
G1	PISO2	G1P64	MOMENTO	141.65	2.71	3.59	300.00	2290.00	3700.00	2290.00	12.33	1.00	1.00	8.00	0.91	0.206	1.94	O.K	0.11
G1	PISO2	G1P65	AXIAL	317.17	16.28	6.82	300.00	5250.00	3700.00	5250.00	12.33	1.00	1.00	8.00	0.91	0.201	1.94	O.K	0.10
G1	PISO2	G1P65	CORTANTE	317.17	16.28	6.82	300.00	5250.00	3700.00	5250.00	12.33	1.00	1.00	8.00	0.91	0.201	1.94	O.K	0.10
G1	PISO2	G1P65	MOMENTO	317.17	16.28	6.82	300.00	5250.00	3700.00	5250.00	12.33	1.00	1.00	8.00	0.91	0.201	1.94	O.K	0.10

PROYECTO: ALCALDIA LOCAL DE BARRIOS UNIDOS

FECHA: 12/05/2022

PRESENTADO POR: IVAN MAURICIO GUEVARA

No. P. P-22-696

ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 2 DE 2 - CARGAS GRAVITACIONALES





ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c (mm)	I (mm⁴)	fb (Mpa)	Fb_{adm} (Mpa)	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM KN	fam (Mpa)	fv (Mpa)	Fv_{adm} (Mpa)	fv<=Fv adm	INDICE DE SOBRE ESFUERZO
G1	CUBIERTA	G1P1	7205.00	7480562280250000.00	0.07	3.51	O.K	0.02	0.06	O.k	310.55	0.07	0.00	0.11	O.k	0.00
G1	CUBIERTA	G1P1	7205.00	7480562280250000.00	0.07	3.51	O.K	0.02	0.06	O.k	310.55	0.07	0.00	0.11	O.k	0.00
G1	CUBIERTA	G1P1	7205.00	7480562280250000.00	0.07	3.51	O.K	0.02	0.06	O.k	310.55	0.07	0.00	0.11	O.k	0.00
G1	CUBIERTA	G1P2	425.00	153531250000.00	0.52	3.51	O.K	0.15	0.17	O.k	9.37	0.04	0.08	0.10	O.k	0.77
G1	CUBIERTA	G1P2	425.00	153531250000.00	0.97	3.51	O.K	0.28	0.29	O.k	9.37	0.04	0.12	0.10	O.k	1.15
G1	CUBIERTA	G1P2	425.00	153531250000.00	0.97	3.51	O.K	0.28	0.29	O.k	9.37	0.04	0.12	0.10	O.k	1.15
G1	CUBIERTA	G1P3	705.00	700805250000.00	0.31	3.51	O.K	0.09	0.13	O.k	28.65	0.07	0.06	0.11	O.k	0.52
G1	CUBIERTA	G1P3	705.00	700805250000.00	0.54	3.51	O.K	0.15	0.18	O.k	28.65	0.07	0.09	0.11	O.k	0.79
G1	CUBIERTA	G1P3	705.00	700805250000.00	0.54	3.51	O.K	0.15	0.18	O.k	28.65	0.07	0.09	0.11	O.k	0.79
G1	CUBIERTA	G1P4	905.00	1482435250000.00	0.20	3.51	O.K	0.06	0.10	O.k	38.66	0.07	0.04	0.11	O.k	0.38
G1	CUBIERTA	G1P4	905.00	1482435250000.00	0.32	3.51	O.K	0.09	0.12	O.k	38.66	0.07	0.06	0.11	O.k	0.57
G1	CUBIERTA	G1P4	905.00	1482435250000.00	0.32	3.51	O.K	0.09	0.12	O.k	38.66	0.07	0.06	0.11	O.k	0.57
G1	CUBIERTA	G1P5	425.00	153531250000.00	0.46	3.51	O.K	0.13	0.15	O.k	10.78	0.04	0.07	0.11	O.k	0.64
G1	CUBIERTA	G1P5	425.00	153531250000.00	0.81	3.51	O.K	0.23	0.24	O.k	10.78	0.04	0.10	0.11	O.k	0.95
G1	CUBIERTA	G1P5	425.00	153531250000.00	0.81	3.51	O.K	0.23	0.24	O.k	10.78	0.04	0.10	0.11	O.k	0.95
G1	CUBIERTA	G1P6	545.00	323375250000.00	0.11	3.51	O.K	0.03	0.07	O.k	22.85	0.07	0.01	0.11	O.k	0.07
G1	CUBIERTA	G1P6	545.00	323375250000.00	0.13	3.51	O.K	0.04	0.07	O.k	22.85	0.07	0.01	0.11	O.k	0.10
G1	CUBIERTA	G1P6	545.00	323375250000.00	0.13	3.51	O.K	0.04	0.07	O.k	22.85	0.07	0.01	0.11	O.k	0.10
G1	CUBIERTA	G1P7	2195.00	2115112975000.00	0.10	3.51	O.K	0.03	0.08	O.k	110.37	0.08	0.01	0.12	O.k	0.10
G1	CUBIERTA	G1P7	2195.00	2115112975000.00	0.10	3.51	O.K	0.03	0.08	O.k	110.37	0.08	0.01	0.12	O.k	0.10
G1	CUBIERTA	G1P7	2195.00	2115112975000.00	0.10	3.51	O.K	0.03	0.08	O.k	110.37	0.08	0.01	0.12	O.k	0.10
G1	CUBIERTA	G1P8	2280.00	2370470400000.00	0.10	3.51	O.K	0.03	0.08	O.k	111.51	0.08	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P8	2280.00	2370470400000.00	0.10	3.51	O.K	0.03	0.08	O.k	111.51	0.08	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P8	2280.00	2370470400000.00	0.10	3.51	O.K	0.03	0.08	O.k	111.51	0.08	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P9	1125.00	284765625000.00	0.09	3.51	O.K	0.03	0.07	O.k	51.88	0.08	0.00	0.11	O.k	0.03
G1	CUBIERTA	G1P9	1125.00	284765625000.00	0.08	3.51	O.K	0.02	0.07	O.k	51.88	0.08	0.01	0.11	O.k	0.04
G1	CUBIERTA	G1P9	1125.00	284765625000.00	0.09	3.51	O.K	0.03	0.07	O.k	51.88	0.08	0.00	0.11	O.k	0.03
G1	CUBIERTA	G1P10	500.00	25000000000.00	0.10	3.51	O.K	0.03	0.07	O.k	21.25	0.07	0.00	0.11	O.k	0.02
G1	CUBIERTA	G1P10	500.00	25000000000.00	0.13	3.51	O.K	0.04	0.07	O.k	21.25	0.07	0.01	0.11	O.k	0.07
G1	CUBIERTA	G1P10	500.00	25000000000.00	0.13	3.51	O.K	0.04	0.07	O.k	21.25	0.07	0.01	0.11	O.k	0.07
G1	CUBIERTA	G1P11	548.34	32973716411.10	0.19	3.51	O.K	0.05	0.11	O.k	31.87	0.10	0.01	0.12	O.k	0.10
G1	CUBIERTA	G1P11	548.34	32973716411.10	0.27	3.51	O.K	0.08	0.13	O.k	31.87	0.10	0.02	0.12	O.k	0.15
G1	CUBIERTA	G1P11	548.34	32973716411.10	0.27	3.51	O.K	0.08	0.13	O.k	31.87	0.10	0.02	0.12	O.k	0.15
G1	CUBIERTA	G1P12	700.00	68600000000.00	0.22	3.51	O.K	0.06	0.10	O.k	29.15	0.07	0.02	0.11	O.k	0.20
G1	CUBIERTA	G1P12	700.00	68600000000.00	0.40	3.51	O.K	0.11	0.14	O.k	29.15	0.07	0.05	0.11	O.k	0.43
G1	CUBIERTA	G1P12	700.00	68600000000.00	0.40	3.51	O.K	0.11	0.14	O.k	29.15	0.07	0.05	0.11	O.k	0.43
G1	CUBIERTA	G1P13	700.00	68600000000.00	0.22	3.51	O.K	0.06	0.10	O.k	29.15	0.07	0.02	0.11	O.k	0.20
G1	CUBIERTA	G1P13	700.00	68600000000.00	0.39	3.51	O.K	0.11	0.14	O.k	29.15	0.07	0.05	0.11	O.k	0.43
G1	CUBIERTA	G1P13	700.00	68600000000.00	0.39	3.51	O.K	0.11	0.14	O.k	29.15	0.07	0.05	0.11	O.k	0.43

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	fv<=Fv adm	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	CUBIERTA	G1P14	3285.00	7089534825000.00	0.08	3.51	O.K	0.02	0.06	O.k	146.91	0.07	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P14	3285.00	7089534825000.00	0.08	3.51	O.K	0.02	0.06	O.k	146.91	0.07	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P14	3285.00	7089534825000.00	0.08	3.51	O.K	0.02	0.06	O.k	146.91	0.07	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P15	425.00	15353125000.00	0.11	3.51	O.K	0.03	0.07	O.k	16.64	0.07	0.00	0.11	O.k	0.04
G1	CUBIERTA	G1P15	425.00	15353125000.00	0.15	3.51	O.K	0.04	0.07	O.k	16.64	0.07	0.01	0.11	O.k	0.10
G1	CUBIERTA	G1P15	425.00	15353125000.00	0.15	3.51	O.K	0.04	0.07	O.k	16.64	0.07	0.01	0.11	O.k	0.10
G1	CUBIERTA	G1P16	425.00	15353125000.00	0.12	3.51	O.K	0.03	0.07	O.k	16.06	0.06	0.01	0.11	O.k	0.07
G1	CUBIERTA	G1P16	425.00	15353125000.00	0.16	3.51	O.K	0.05	0.07	O.k	16.06	0.06	0.02	0.11	O.k	0.14
G1	CUBIERTA	G1P16	425.00	15353125000.00	0.16	3.51	O.K	0.05	0.07	O.k	16.06	0.06	0.02	0.11	O.k	0.14
G1	CUBIERTA	G1P17	2960.00	5186867200000.00	0.10	3.51	O.K	0.03	0.07	O.k	148.10	0.08	0.00	0.12	O.k	0.00
G1	CUBIERTA	G1P17	2960.00	5186867200000.00	0.10	3.51	O.K	0.03	0.07	O.k	148.10	0.08	0.00	0.12	O.k	0.00
G1	CUBIERTA	G1P17	2960.00	5186867200000.00	0.10	3.51	O.K	0.03	0.07	O.k	148.10	0.08	0.00	0.12	O.k	0.00
G1	CUBIERTA	G1P18	2530.00	3238855400000.00	0.09	3.51	O.K	0.03	0.07	O.k	121.81	0.08	0.01	0.12	O.k	0.09
G1	CUBIERTA	G1P18	2530.00	3238855400000.00	0.09	3.51	O.K	0.02	0.07	O.k	121.81	0.08	0.01	0.12	O.k	0.13
G1	CUBIERTA	G1P18	2530.00	3238855400000.00	0.09	3.51	O.K	0.03	0.07	O.k	121.81	0.08	0.01	0.12	O.k	0.09
G1	CUBIERTA	G1P19	575.00	380218750000.00	0.09	3.51	O.K	0.03	0.07	O.k	27.01	0.08	0.01	0.11	O.k	0.07
G1	CUBIERTA	G1P19	575.00	380218750000.00	0.09	3.51	O.K	0.03	0.07	O.k	27.01	0.08	0.01	0.11	O.k	0.07
G1	CUBIERTA	G1P19	575.00	380218750000.00	0.13	3.51	O.K	0.04	0.07	O.k	27.01	0.08	0.00	0.11	O.k	0.03
G1	CUBIERTA	G1P20	1876.29	13210717799927.49	0.10	3.51	O.K	0.03	0.08	O.k	100.34	0.09	0.01	0.12	O.k	0.07
G1	CUBIERTA	G1P20	1876.29	13210717799927.49	0.10	3.51	O.K	0.03	0.08	O.k	100.34	0.09	0.01	0.12	O.k	0.08
G1	CUBIERTA	G1P20	1876.29	13210717799927.49	0.10	3.51	O.K	0.03	0.08	O.k	100.34	0.09	0.01	0.12	O.k	0.07
G1	CUBIERTA	G1P21	1947.75	14778475458468.87	0.10	3.51	O.K	0.03	0.08	O.k	104.42	0.09	0.01	0.12	O.k	0.09
G1	CUBIERTA	G1P21	1947.75	14778475458468.87	0.10	3.51	O.K	0.03	0.08	O.k	104.42	0.09	0.01	0.12	O.k	0.10
G1	CUBIERTA	G1P21	1947.75	14778475458468.87	0.10	3.51	O.K	0.03	0.08	O.k	104.42	0.09	0.01	0.12	O.k	0.09
G1	CUBIERTA	G1P22	525.00	28940625000.00	0.10	3.51	O.K	0.03	0.08	O.k	26.63	0.08	0.01	0.12	O.k	0.06
G1	CUBIERTA	G1P22	525.00	28940625000.00	0.10	3.51	O.K	0.03	0.08	O.k	26.63	0.08	0.01	0.12	O.k	0.06
G1	CUBIERTA	G1P22	525.00	28940625000.00	0.14	3.51	O.K	0.04	0.08	O.k	26.63	0.08	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P23	3210.00	66152322000000.00	0.09	3.51	O.K	0.02	0.07	O.k	151.94	0.08	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P23	3210.00	66152322000000.00	0.08	3.51	O.K	0.02	0.07	O.k	151.94	0.08	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P23	3210.00	66152322000000.00	0.09	3.51	O.K	0.02	0.07	O.k	151.94	0.08	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P24	1100.00	2862000000000.00	0.17	3.51	O.K	0.05	0.09	O.k	50.87	0.06	0.04	0.11	O.k	0.37
G1	CUBIERTA	G1P24	1100.00	2862000000000.00	0.27	3.51	O.K	0.08	0.11	O.k	50.87	0.06	0.06	0.11	O.k	0.54
G1	CUBIERTA	G1P24	1100.00	2862000000000.00	0.27	3.51	O.K	0.08	0.11	O.k	50.87	0.06	0.06	0.11	O.k	0.54
G1	CUBIERTA	G1P25	1450.00	609725000000.00	0.10	3.51	O.K	0.03	0.08	O.k	75.03	0.09	0.01	0.12	O.k	0.07
G1	CUBIERTA	G1P25	1450.00	609725000000.00	0.10	3.51	O.K	0.03	0.08	O.k	75.03	0.09	0.01	0.12	O.k	0.07
G1	CUBIERTA	G1P25	1450.00	609725000000.00	0.10	3.51	O.K	0.03	0.08	O.k	75.03	0.09	0.01	0.12	O.k	0.07
G1	CUBIERTA	G1P26	400.00	128000000000.00	0.16	3.51	O.K	0.05	0.10	O.k	24.22	0.10	0.01	0.12	O.k	0.06
G1	CUBIERTA	G1P26	400.00	128000000000.00	0.16	3.51	O.K	0.05	0.10	O.k	24.22	0.10	0.01	0.12	O.k	0.06
G1	CUBIERTA	G1P26	400.00	128000000000.00	0.16	3.51	O.K	0.05	0.10	O.k	24.22	0.10	0.01	0.12	O.k	0.06
G1	CUBIERTA	G1P27	1175.00	324446875000.00	0.10	3.51	O.K	0.03	0.07	O.k	50.54	0.07	0.00	0.11	O.k	0.04
G1	CUBIERTA	G1P27	1175.00	324446875000.00	0.13	3.51	O.K	0.04	0.07	O.k	50.54	0.07	0.01	0.11	O.k	0.11
G1	CUBIERTA	G1P27	1175.00	324446875000.00	0.13	3.51	O.K	0.04	0.07	O.k	50.54	0.07	0.01	0.11	O.k	0.11
G1	CUBIERTA	G1P28	1175.00	324446875000.00	0.10	3.51	O.K	0.03	0.07	O.k	49.97	0.07	0.01	0.11	O.k	0.05
G1	CUBIERTA	G1P28	1175.00	324446875000.00	0.13	3.51	O.K	0.04	0.07	O.k	49.97	0.07	0.01	0.11	O.k	0.12
G1	CUBIERTA	G1P28	1175.00	324446875000.00	0.13	3.51	O.K	0.04	0.07	O.k	49.97	0.07	0.01	0.11	O.k	0.12
G1	CUBIERTA	G1P29	450.00	18225000000.00	0.13	3.51	O.K	0.04	0.10	O.k	28.91	0.11	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P29	450.00	18225000000.00	0.13	3.51	O.K	0.04	0.10	O.k	28.91	0.11	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P29	450.00	18225000000.00	0.13	3.51	O.K	0.04	0.10	O.k	28.91	0.11	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P30	1500.00	675000000000.00	0.10	3.51	O.K	0.03	0.08	O.k	75.32	0.08	0.01	0.12	O.k	0.09
G1	CUBIERTA	G1P30	1500.00	675000000000.00	0.10	3.51	O.K	0.03	0.08	O.k	75.32	0.08	0.01	0.12	O.k	0.09
G1	CUBIERTA	G1P30	1500.00	675000000000.00	0.10	3.51	O.K	0.03	0.08	O.k	75.32	0.08	0.01	0.12	O.k	0.09
G1	CUBIERTA	G1P31	1100.00	2862000000000.00	0.16	3.51	O.K	0.05	0.09	O.k	47.59	0.07	0.03	0.11	O.k	0.29
G1	CUBIERTA	G1P31	1100.00	2862000000000.00	0.25	3.51	O.K	0.07	0.10	O.k	47.59	0.07	0.05	0.11	O.k	0.45
G1	CUBIERTA	G1P31	1100.00	2862000000000.00	0.25	3.51	O.K	0.07	0.10	O.k	47.59	0.07	0.05	0.11	O.k	0.45
G1	CUBIERTA	G1P32	3350.00	7519075000000.00	0.13	3.51	O.K	0.04	0.09	O.k	177.01	0.09	0.01	0.12	O.k	0.04
G1	CUBIERTA	G1P32	3350.00	7519075000000.00	0.13	3.51	O.K	0.04	0.09	O.k	177.01	0.09	0.01	0.12	O.k	0.04
G1	CUBIERTA	G1P32	3350.00	7519075000000.00	0.13	3.51	O.K	0.04	0.09	O.k	177.01	0.09	0.01	0.12	O.k	0.04
G1	CUBIERTA	G1P33	3130.00	6132859400000.00	0.10	3.51	O.K	0.03	0.08	O.k	151.23	0.08	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P33	3130.00	6132859400000.00	0.09	3.51	O.K	0.03	0.07	O.k	151.23	0.08	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P33	3130.00	6132859400000.00	0.10	3.51	O.K	0.03	0.08	O.k	151.23	0.08	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P34	3130.00	6132859400000.00	0.11	3.51	O.K	0.03	0.07	O.k	149.59	0.08	0.00	0.12	O.k	0.04
G1	CUBIERTA	G1P34	3130.00	6132859400000.00	0.11	3.51	O.K	0.03	0.07	O.k	149.59	0.08	0.00	0.12	O.k	0.04
G1	CUBIERTA	G1P34	3130.00	6132859400000.00	0.11	3.51	O.K	0.03	0.07	O.k	149.59	0.08	0.00	0.12	O.k	0.04
G1	CUBIERTA	G1P35	3350.00	7519075000000.00	0.10	3.51	O.K	0.03	0.08	O.k	171.99	0.09	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P35	3350.00	7519075000000.00	0.10	3.51	O.K	0.03	0.08	O.k	171.99	0.09	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P35	3350.00	7519075000000.00	0.09	3.51	O.K	0.03	0.07	O.k	171.99	0.09	0.00	0.12	O.k	0.02
G1	CUBIERTA	G1P36	1250.00	390625000000.00	0.09	3.51	O.K	0.03	0.07	O.k	62.39	0.08	0.00	0.12	O.k	0.00
G1	CUBIERTA	G1P36	1250.00	390625000000.00	0.09	3.51	O.K	0.03	0.07	O.k	62.39	0.08	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P36	1250.00	390625000000.00	0.09	3.51	O.K	0.03	0.07	O.k	62.39	0.08	0.00	0.12	O.k	0.00

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE						
			c	I	fb	Fb_{adm}	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	fv<=Fv adm	INDICE DE SOBRE ESFUERZO	
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)			
G1	CUBIERTA	G1P37	520.00	2812160000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.48	0.07	0.00	0.11	O.k	0.01	
G1	CUBIERTA	G1P37	520.00	2812160000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.48	0.07	0.00	0.11	O.k	0.01	
G1	CUBIERTA	G1P37	520.00	2812160000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.48	0.07	0.00	0.11	O.k	0.01	
G1	CUBIERTA	G1P38	775.00	9309685750000.00	0.09	3.51	O.K	0.03	0.07	O.k	37.49	0.08	0.00	0.12	O.k	0.01	
G1	CUBIERTA	G1P38	775.00	9309685750000.00	0.11	3.51	O.K	0.03	0.07	O.k	37.49	0.08	0.00	0.12	O.k	0.03	
G1	CUBIERTA	G1P38	775.00	9309685750000.00	0.11	3.51	O.K	0.03	0.07	O.k	37.49	0.08	0.00	0.12	O.k	0.03	
G1	CUBIERTA	G1P39	775.00	9309685750000.00	0.12	3.51	O.K	0.03	0.08	O.k	37.25	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P39	775.00	9309685750000.00	0.12	3.51	O.K	0.03	0.08	O.k	37.25	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P39	775.00	9309685750000.00	0.12	3.51	O.K	0.03	0.08	O.k	37.25	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P40	795.00	10049197500000.00	0.12	3.51	O.K	0.04	0.08	O.k	38.01	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P40	795.00	10049197500000.00	0.12	3.51	O.K	0.04	0.08	O.k	38.01	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P40	795.00	10049197500000.00	0.12	3.51	O.K	0.04	0.08	O.k	38.01	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P41	795.00	10049197500000.00	0.09	3.51	O.K	0.03	0.07	O.k	38.08	0.08	0.00	0.12	O.k	0.03	
G1	CUBIERTA	G1P41	795.00	10049197500000.00	0.12	3.51	O.K	0.04	0.08	O.k	38.08	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P41	795.00	10049197500000.00	0.12	3.51	O.K	0.04	0.08	O.k	38.08	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P42	680.00	6285664000000.00	0.10	3.51	O.K	0.03	0.07	O.k	31.91	0.08	0.01	0.11	O.k	0.09	
G1	CUBIERTA	G1P42	680.00	6285664000000.00	0.10	3.51	O.K	0.03	0.07	O.k	31.91	0.08	0.01	0.11	O.k	0.09	
G1	CUBIERTA	G1P42	680.00	6285664000000.00	0.10	3.51	O.K	0.03	0.07	O.k	31.91	0.08	0.01	0.11	O.k	0.07	
G1	CUBIERTA	G1P43	3130.00	613285940000000.00	0.10	3.51	O.K	0.03	0.07	O.k	153.26	0.08	0.01	0.12	O.k	0.08	
G1	CUBIERTA	G1P43	3130.00	613285940000000.00	0.10	3.51	O.K	0.03	0.07	O.k	153.26	0.08	0.01	0.12	O.k	0.08	
G1	CUBIERTA	G1P43	3130.00	613285940000000.00	0.10	3.51	O.K	0.03	0.07	O.k	153.26	0.08	0.01	0.12	O.k	0.08	
G1	CUBIERTA	G1P44	1805.00	117614702500000.00	0.11	3.51	O.K	0.03	0.08	O.k	95.55	0.09	0.01	0.12	O.k	0.09	
G1	CUBIERTA	G1P44	1805.00	117614702500000.00	0.11	3.51	O.K	0.03	0.08	O.k	95.55	0.09	0.01	0.12	O.k	0.09	
G1	CUBIERTA	G1P44	1805.00	117614702500000.00	0.11	3.51	O.K	0.03	0.08	O.k	95.55	0.09	0.01	0.12	O.k	0.09	
G1	CUBIERTA	G1P45	600.00	43200000000.00	0.15	3.51	O.K	0.04	0.10	O.k	35.92	0.10	0.02	0.12	O.k	0.14	
G1	CUBIERTA	G1P45	600.00	43200000000.00	0.15	3.51	O.K	0.04	0.10	O.k	35.92	0.10	0.02	0.12	O.k	0.14	
G1	CUBIERTA	G1P45	600.00	43200000000.00	0.15	3.51	O.K	0.04	0.10	O.k	35.92	0.10	0.02	0.12	O.k	0.14	
G1	CUBIERTA	G1P46	1070.00	2450086000000.00	0.11	3.51	O.K	0.03	0.08	O.k	53.24	0.08	0.00	0.12	O.k	0.00	
G1	CUBIERTA	G1P46	1070.00	2450086000000.00	0.09	3.51	O.K	0.03	0.07	O.k	53.24	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P46	1070.00	2450086000000.00	0.11	3.51	O.K	0.03	0.08	O.k	53.24	0.08	0.00	0.12	O.k	0.00	
G1	CUBIERTA	G1P47	1805.00	117614702500000.00	0.11	3.51	O.K	0.03	0.08	O.k	95.13	0.09	0.01	0.12	O.k	0.11	
G1	CUBIERTA	G1P47	1805.00	117614702500000.00	0.11	3.51	O.K	0.03	0.08	O.k	95.13	0.09	0.01	0.12	O.k	0.11	
G1	CUBIERTA	G1P47	1805.00	117614702500000.00	0.11	3.51	O.K	0.03	0.08	O.k	95.13	0.09	0.01	0.12	O.k	0.11	
G1	CUBIERTA	G1P48	600.00	43200000000.00	0.13	3.51	O.K	0.04	0.10	O.k	35.46	0.10	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P48	600.00	43200000000.00	0.13	3.51	O.K	0.04	0.10	O.k	35.46	0.10	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P48	600.00	43200000000.00	0.13	3.51	O.K	0.04	0.10	O.k	35.46	0.10	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P49	1070.00	2450086000000.00	0.11	3.51	O.K	0.03	0.08	O.k	53.90	0.08	0.00	0.12	O.k	0.00	
G1	CUBIERTA	G1P49	1070.00	2450086000000.00	0.09	3.51	O.K	0.03	0.07	O.k	53.90	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P49	1070.00	2450086000000.00	0.11	3.51	O.K	0.03	0.08	O.k	53.90	0.08	0.00	0.12	O.k	0.00	
G1	CUBIERTA	G1P50	520.00	2812160000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.69	0.07	0.00	0.11	O.k	0.01	
G1	CUBIERTA	G1P50	520.00	2812160000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.69	0.07	0.00	0.11	O.k	0.01	
G1	CUBIERTA	G1P50	520.00	2812160000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.69	0.07	0.00	0.11	O.k	0.01	
G1	CUBIERTA	G1P51	775.00	9309685750000.00	0.09	3.51	O.K	0.03	0.07	O.k	37.75	0.08	0.00	0.12	O.k	0.01	
G1	CUBIERTA	G1P51	775.00	9309685750000.00	0.11	3.51	O.K	0.03	0.08	O.k	37.75	0.08	0.00	0.12	O.k	0.03	
G1	CUBIERTA	G1P51	775.00	9309685750000.00	0.11	3.51	O.K	0.03	0.08	O.k	37.75	0.08	0.00	0.12	O.k	0.03	
G1	CUBIERTA	G1P52	775.00	9309685750000.00	0.12	3.51	O.K	0.03	0.08	O.k	37.53	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P52	775.00	9309685750000.00	0.12	3.51	O.K	0.03	0.08	O.k	37.53	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P52	775.00	9309685750000.00	0.12	3.51	O.K	0.03	0.08	O.k	37.53	0.08	0.00	0.12	O.k	0.04	
G1	CUBIERTA	G1P53	795.00	10049197500000.00	0.13	3.51	O.K	0.04	0.08	O.k	38.30	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P53	795.00	10049197500000.00	0.13	3.51	O.K	0.04	0.08	O.k	38.30	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P53	795.00	10049197500000.00	0.13	3.51	O.K	0.04	0.08	O.k	38.30	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P54	795.00	10049197500000.00	0.10	3.51	O.K	0.03	0.07	O.k	38.36	0.08	0.00	0.12	O.k	0.02	
G1	CUBIERTA	G1P54	795.00	10049197500000.00	0.13	3.51	O.K	0.04	0.08	O.k	38.36	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P54	795.00	10049197500000.00	0.13	3.51	O.K	0.04	0.08	O.k	38.36	0.08	0.01	0.12	O.k	0.05	
G1	CUBIERTA	G1P55	680.00	6285664000000.00	0.09	3.51	O.K	0.03	0.07	O.k	30.82	0.08	0.01	0.11	O.k	0.05	
G1	CUBIERTA	G1P55	680.00	6285664000000.00	0.09	3.51	O.K	0.03	0.07	O.k	30.82	0.08	0.01	0.11	O.k	0.05	
G1	CUBIERTA	G1P55	680.00	6285664000000.00	0.08	3.51	O.K	0.02	0.06	O.k	30.82	0.08	0.00	0.11	O.k	0.03	
G1	CUBIERTA	G1P56	3130.00	613285940000000.00	0.11	3.51	O.K	0.03	0.08	O.k	151.38	0.08	0.01	0.12	O.k	0.10	
G1	CUBIERTA	G1P56	3130.00	613285940000000.00	0.11	3.51	O.K	0.03	0.08	O.k	151.38	0.08	0.01	0.12	O.k	0.10	
G1	CUBIERTA	G1P56	3130.00	613285940000000.00	0.11	3.51	O.K	0.03	0.08	O.k	151.38	0.08	0.01	0.12	O.k	0.10	
G1	CUBIERTA	G1P57	1305.00	4444895250000.00	0.09	3.51	O.K	0.03	0.07	O.k	61.27	0.08	0.01	0.11	O.k	0.05	
G1	CUBIERTA	G1P57	1305.00	4444895250000.00	0.09	3.51	O.K	0.03	0.07	O.k	61.27	0.08	0.01	0.11	O.k	0.05	
G1	CUBIERTA	G1P57	1305.00	4444895250000.00	0.10	3.51	O.K	0.03	0.07	O.k	61.27	0.08	0.00	0.11	O.k	0.04	
G1	CUBIERTA	G1P58	3350.00	751907500000000.00	0.10	3.51	O.K	0.03	0.08	O.k	172.89	0.09	0.00	0.12	O.k	0.03	
G1	CUBIERTA	G1P58	3350.00	751907500000000.00	0.10	3.51	O.K	0.03	0.08	O.k	172.89	0.09	0.00	0.12	O.k	0.03	
G1	CUBIERTA	G1P58	3350.00	751907500000000.00	0.10	3.51	O.K	0.03	0.07	O.k	172.89	0.09	0.00	0.12	O.k	0.00	
G1	CUBIERTA	G1P59	3130.00	613285940000000.00	0.11	3.51	O.K	0.03	0.08	O.k	159.71	0.09	0.00	0.12	O.k	0.01	
G1	CUBIERTA	G1P59	3130.00	613285940000000.00	0.11	3.51	O.K	0.03	0.08	O.k	159.71	0.09	0.00	0.12	O.k	0.01	
G1	CUBIERTA	G1P59	3130.00	613285940000000.00	0.11	3.51	O.K	0.03	0.08	O.k	159.71	0.09	0.00	0.12	O.k	0.01	

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	fv<=Fv adm	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	CUBIERTA	G1P60	3350.00	7519075000000.00	0.12	3.51	O.K	0.04	0.09	O.k	175.23	0.09	0.00	0.12	O.k	0.03
G1	CUBIERTA	G1P60	3350.00	7519075000000.00	0.12	3.51	O.K	0.04	0.09	O.k	175.23	0.09	0.00	0.12	O.k	0.03
G1	CUBIERTA	G1P60	3350.00	7519075000000.00	0.12	3.51	O.K	0.04	0.09	O.k	175.23	0.09	0.00	0.12	O.k	0.03
G1	CUBIERTA	G1P61	3130.00	6132859400000.00	0.11	3.51	O.K	0.03	0.07	O.k	147.82	0.08	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P61	3130.00	6132859400000.00	0.11	3.51	O.K	0.03	0.07	O.k	147.82	0.08	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P61	3130.00	6132859400000.00	0.11	3.51	O.K	0.03	0.07	O.k	147.82	0.08	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P62	2640.00	3679948800000.00	0.08	3.51	O.K	0.02	0.06	O.k	118.64	0.07	0.00	0.11	O.k	0.00
G1	CUBIERTA	G1P62	2640.00	3679948800000.00	0.08	3.51	O.K	0.02	0.06	O.k	118.64	0.07	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P62	2640.00	3679948800000.00	0.08	3.51	O.K	0.02	0.06	O.k	118.64	0.07	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P63	1053.34	233738116920.27	0.10	3.51	O.K	0.03	0.07	O.k	49.34	0.08	0.00	0.11	O.k	0.02
G1	CUBIERTA	G1P63	1053.34	233738116920.27	0.11	3.51	O.K	0.03	0.07	O.k	49.34	0.08	0.00	0.11	O.k	0.04
G1	CUBIERTA	G1P63	1053.34	233738116920.27	0.11	3.51	O.K	0.03	0.07	O.k	49.34	0.08	0.00	0.11	O.k	0.04
G1	CUBIERTA	G1P64	1145.00	300224725000.00	0.10	3.51	O.K	0.03	0.07	O.k	53.44	0.08	0.01	0.11	O.k	0.05
G1	CUBIERTA	G1P64	1145.00	300224725000.00	0.13	3.51	O.K	0.04	0.08	O.k	53.44	0.08	0.01	0.11	O.k	0.08
G1	CUBIERTA	G1P64	1145.00	300224725000.00	0.13	3.51	O.K	0.04	0.08	O.k	53.44	0.08	0.01	0.11	O.k	0.08
G1	CUBIERTA	G1P65	2625.00	3617578125000.00	0.09	3.51	O.K	0.02	0.07	O.k	126.80	0.08	0.01	0.12	O.k	0.07
G1	CUBIERTA	G1P65	2625.00	3617578125000.00	0.09	3.51	O.K	0.03	0.07	O.k	126.80	0.08	0.01	0.12	O.k	0.11
G1	CUBIERTA	G1P65	2625.00	3617578125000.00	0.09	3.51	O.K	0.03	0.07	O.k	126.80	0.08	0.01	0.12	O.k	0.11
G1	PISO2	G1P1	7205.00	74805228025000.00	0.17	3.51	O.K	0.05	0.14	O.k	643.36	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P1	7205.00	74805228025000.00	0.15	3.51	O.K	0.04	0.12	O.k	643.36	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P1	7205.00	74805228025000.00	0.15	3.51	O.K	0.04	0.12	O.k	643.36	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P2	425.00	15353125000.00	0.21	3.51	O.K	0.06	0.12	O.k	28.74	0.11	0.02	0.12	O.k	0.20
G1	PISO2	G1P2	425.00	15353125000.00	0.38	3.51	O.K	0.11	0.16	O.k	28.74	0.11	0.07	0.12	O.k	0.60
G1	PISO2	G1P2	425.00	15353125000.00	0.38	3.51	O.K	0.11	0.16	O.k	28.74	0.11	0.07	0.12	O.k	0.60
G1	PISO2	G1P3	705.00	70080525000.00	0.32	3.51	O.K	0.09	0.20	O.k	71.28	0.17	0.05	0.14	O.k	0.34
G1	PISO2	G1P3	705.00	70080525000.00	0.32	3.51	O.K	0.09	0.20	O.k	71.28	0.17	0.05	0.14	O.k	0.34
G1	PISO2	G1P3	705.00	70080525000.00	0.32	3.51	O.K	0.09	0.20	O.k	71.28	0.17	0.05	0.14	O.k	0.34
G1	PISO2	G1P4	905.00	148243525000.00	0.27	3.51	O.K	0.08	0.18	O.k	92.14	0.17	0.04	0.14	O.k	0.25
G1	PISO2	G1P4	905.00	148243525000.00	0.27	3.51	O.K	0.08	0.18	O.k	92.14	0.17	0.04	0.14	O.k	0.25
G1	PISO2	G1P4	905.00	148243525000.00	0.27	3.51	O.K	0.08	0.18	O.k	92.14	0.17	0.04	0.14	O.k	0.25
G1	PISO2	G1P5	425.00	15353125000.00	0.20	3.51	O.K	0.06	0.12	O.k	29.37	0.12	0.02	0.12	O.k	0.17
G1	PISO2	G1P5	425.00	15353125000.00	0.34	3.51	O.K	0.10	0.15	O.k	29.37	0.12	0.06	0.12	O.k	0.51
G1	PISO2	G1P5	425.00	15353125000.00	0.34	3.51	O.K	0.10	0.15	O.k	29.37	0.12	0.06	0.12	O.k	0.51
G1	PISO2	G1P6	545.00	32375725000.00	0.18	3.51	O.K	0.05	0.13	O.k	49.32	0.15	0.00	0.13	O.k	0.03
G1	PISO2	G1P6	545.00	32375725000.00	0.18	3.51	O.K	0.05	0.13	O.k	49.32	0.15	0.00	0.13	O.k	0.03
G1	PISO2	G1P6	545.00	32375725000.00	0.18	3.51	O.K	0.05	0.13	O.k	49.32	0.15	0.00	0.13	O.k	0.03
G1	PISO2	G1P7	2195.00	2115112975000.00	0.20	3.51	O.K	0.06	0.15	O.k	210.77	0.16	0.02	0.14	O.k	0.16
G1	PISO2	G1P7	2195.00	2115112975000.00	0.20	3.51	O.K	0.06	0.15	O.k	210.77	0.16	0.02	0.14	O.k	0.16
G1	PISO2	G1P7	2195.00	2115112975000.00	0.20	3.51	O.K	0.06	0.15	O.k	210.77	0.16	0.02	0.14	O.k	0.16
G1	PISO2	G1P8	2280.00	2370470400000.00	0.20	3.51	O.K	0.06	0.15	O.k	215.58	0.16	0.02	0.14	O.k	0.15
G1	PISO2	G1P8	2280.00	2370470400000.00	0.20	3.51	O.K	0.06	0.15	O.k	215.58	0.16	0.02	0.14	O.k	0.15
G1	PISO2	G1P8	2280.00	2370470400000.00	0.20	3.51	O.K	0.06	0.15	O.k	215.58	0.16	0.02	0.14	O.k	0.15
G1	PISO2	G1P9	1125.00	284765625000.00	0.16	3.51	O.K	0.05	0.13	O.k	100.68	0.15	0.00	0.13	O.k	0.03
G1	PISO2	G1P9	1125.00	284765625000.00	0.16	3.51	O.K	0.05	0.13	O.k	100.68	0.15	0.00	0.13	O.k	0.03
G1	PISO2	G1P9	1125.00	284765625000.00	0.16	3.51	O.K	0.05	0.13	O.k	100.68	0.15	0.00	0.13	O.k	0.03
G1	PISO2	G1P10	500.00	25000000000.00	0.21	3.51	O.K	0.06	0.15	O.k	46.08	0.15	0.01	0.13	O.k	0.06
G1	PISO2	G1P10	500.00	25000000000.00	0.21	3.51	O.K	0.06	0.15	O.k	46.08	0.15	0.01	0.13	O.k	0.06
G1	PISO2	G1P10	500.00	25000000000.00	0.21	3.51	O.K	0.06	0.15	O.k	46.08	0.15	0.01	0.13	O.k	0.06
G1	PISO2	G1P11	548.34	32973716411.10	0.32	3.51	O.K	0.09	0.23	O.k	65.25	0.20	0.01	0.15	O.k	0.08
G1	PISO2	G1P11	548.34	32973716411.10	0.32	3.51	O.K	0.09	0.23	O.k	65.25	0.20	0.01	0.15	O.k	0.08
G1	PISO2	G1P11	548.34	32973716411.10	0.32	3.51	O.K	0.09	0.23	O.k	65.25	0.20	0.01	0.15	O.k	0.08
G1	PISO2	G1P12	700.00	68600000000.00	0.35	3.51	O.K	0.10	0.23	O.k	79.02	0.19	0.04	0.14	O.k	0.28
G1	PISO2	G1P12	700.00	68600000000.00	0.35	3.51	O.K	0.10	0.23	O.k	79.02	0.19	0.04	0.14	O.k	0.28
G1	PISO2	G1P12	700.00	68600000000.00	0.35	3.51	O.K	0.10	0.23	O.k	79.02	0.19	0.04	0.14	O.k	0.28
G1	PISO2	G1P13	700.00	68600000000.00	0.35	3.51	O.K	0.10	0.23	O.k	78.98	0.19	0.04	0.14	O.k	0.27
G1	PISO2	G1P13	700.00	68600000000.00	0.35	3.51	O.K	0.10	0.23	O.k	78.98	0.19	0.04	0.14	O.k	0.27
G1	PISO2	G1P13	700.00	68600000000.00	0.35	3.51	O.K	0.10	0.23	O.k	78.98	0.19	0.04	0.14	O.k	0.27
G1	PISO2	G1P14	3285.00	70895834825000.00	0.20	3.51	O.K	0.06	0.16	O.k	326.12	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P14	3285.00	70895834825000.00	0.20	3.51	O.K	0.06	0.16	O.k	326.12	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P14	3285.00	70895834825000.00	0.20	3.51	O.K	0.06	0.16	O.k	326.12	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P15	425.00	15353125000.00	0.21	3.51	O.K	0.06	0.15	O.k	37.94	0.15	0.01	0.13	O.k	0.07
G1	PISO2	G1P15	425.00	15353125000.00	0.21	3.51	O.K	0.06	0.15	O.k	37.94	0.15	0.01	0.13	O.k	0.07
G1	PISO2	G1P15	425.00	15353125000.00	0.21	3.51	O.K	0.06	0.15	O.k	37.94	0.15	0.01	0.13	O.k	0.07
G1	PISO2	G1P16	425.00	15353125000.00	0.22	3.51	O.K	0.06	0.15	O.k	38.61	0.15	0.01	0.13	O.k	0.08
G1	PISO2	G1P16	425.00	15353125000.00	0.22	3.51	O.K	0.06	0.15	O.k	38.61	0.15	0.01	0.13	O.k	0.08
G1	PISO2	G1P16	425.00	15353125000.00	0.22	3.51	O.K	0.06	0.15	O.k	38.61	0.15	0.01	0.13	O.k	0.08
G1	PISO2	G1P17	2960.00	5186867200000.00	0.22	3.51	O.K	0.06	0.17	O.k	309.56	0.17	0.00	0.14	O.k	0.00
G1	PISO2	G1P17	2960.00	5186867200000.00	0.18	3.51	O.K	0.05	0.15	O.k	309.56	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P17	2960.00	5186867200000.00	0.18	3.51	O.K	0.05	0.15	O.k	309.56	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P18	2530.00	3236855400000.00	0.21	3.51	O.K	0.06	0.16	O.k	254.30	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P18	2530.00	3236855400000.00	0.21	3.51	O.K	0.06	0.16	O.k	254.30	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P18	2530.00	3236855400000.00	0.21	3.51	O.K	0.06	0.16	O.k	254.30	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P19	575.00	38021875000.00	0.21	3.51	O.K	0.06	0.16	O.k	57.64	0.17	0.01	0.14	O.k	0.10

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	fv<=Fv adm	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	PISO2	G1P19	575.00	3802187500000.00	0.20	3.51	O.K	0.06	0.15	O.k	57.64	0.17	0.01	0.14	O.k	0.11
G1	PISO2	G1P19	575.00	3802187500000.00	0.20	3.51	O.K	0.06	0.15	O.k	57.64	0.17	0.01	0.14	O.k	0.11
G1	PISO2	G1P20	1876.29	13210717799927.49	0.20	3.51	O.K	0.06	0.16	O.k	190.11	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P20	1876.29	13210717799927.49	0.20	3.51	O.K	0.06	0.16	O.k	190.11	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P20	1876.29	13210717799927.49	0.20	3.51	O.K	0.06	0.16	O.k	190.11	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P21	1947.75	14778475458468.87	0.20	3.51	O.K	0.06	0.16	O.k	198.77	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P21	1947.75	14778475458468.87	0.20	3.51	O.K	0.06	0.16	O.k	198.77	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P21	1947.75	14778475458468.87	0.20	3.51	O.K	0.06	0.16	O.k	198.77	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P22	525.00	28940625000.00	0.22	3.51	O.K	0.06	0.16	O.k	53.46	0.17	0.02	0.14	O.k	0.12
G1	PISO2	G1P22	525.00	28940625000.00	0.22	3.51	O.K	0.06	0.16	O.k	53.46	0.17	0.02	0.14	O.k	0.12
G1	PISO2	G1P22	525.00	28940625000.00	0.21	3.51	O.K	0.06	0.15	O.k	53.46	0.17	0.02	0.14	O.k	0.11
G1	PISO2	G1P23	3210.00	661523220000.00	0.21	3.51	O.K	0.06	0.17	O.k	326.26	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P23	3210.00	661523220000.00	0.21	3.51	O.K	0.06	0.17	O.k	326.26	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P23	3210.00	661523220000.00	0.21	3.51	O.K	0.06	0.17	O.k	326.26	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P24	1100.00	286200000000.00	0.25	3.51	O.K	0.07	0.18	O.k	114.18	0.17	0.03	0.14	O.k	0.22
G1	PISO2	G1P24	1100.00	286200000000.00	0.25	3.51	O.K	0.07	0.18	O.k	114.18	0.17	0.03	0.14	O.k	0.22
G1	PISO2	G1P24	1100.00	286200000000.00	0.25	3.51	O.K	0.07	0.18	O.k	114.18	0.17	0.03	0.14	O.k	0.22
G1	PISO2	G1P25	1450.00	609725000000.00	0.21	3.51	O.K	0.06	0.17	O.k	148.71	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P25	1450.00	609725000000.00	0.21	3.51	O.K	0.06	0.17	O.k	148.71	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P25	1450.00	609725000000.00	0.21	3.51	O.K	0.06	0.17	O.k	148.71	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P26	400.00	128000000000.00	0.31	3.51	O.K	0.09	0.25	O.k	52.42	0.22	0.00	0.15	O.k	0.01
G1	PISO2	G1P26	400.00	128000000000.00	0.24	3.51	O.K	0.07	0.19	O.k	52.42	0.22	0.00	0.15	O.k	0.01
G1	PISO2	G1P26	400.00	128000000000.00	0.24	3.51	O.K	0.07	0.19	O.k	52.42	0.22	0.00	0.15	O.k	0.01
G1	PISO2	G1P27	1175.00	324446875000.00	0.21	3.51	O.K	0.06	0.17	O.k	118.81	0.17	0.01	0.14	O.k	0.08
G1	PISO2	G1P27	1175.00	324446875000.00	0.21	3.51	O.K	0.06	0.17	O.k	118.81	0.17	0.01	0.14	O.k	0.08
G1	PISO2	G1P27	1175.00	324446875000.00	0.21	3.51	O.K	0.06	0.17	O.k	118.81	0.17	0.01	0.14	O.k	0.08
G1	PISO2	G1P28	1175.00	324446875000.00	0.21	3.51	O.K	0.06	0.17	O.k	118.68	0.17	0.01	0.14	O.k	0.07
G1	PISO2	G1P28	1175.00	324446875000.00	0.21	3.51	O.K	0.06	0.17	O.k	118.68	0.17	0.01	0.14	O.k	0.07
G1	PISO2	G1P28	1175.00	324446875000.00	0.21	3.51	O.K	0.06	0.17	O.k	118.68	0.17	0.01	0.14	O.k	0.07
G1	PISO2	G1P29	450.00	18225000000.00	0.31	3.51	O.K	0.09	0.24	O.k	59.36	0.22	0.00	0.15	O.k	0.00
G1	PISO2	G1P29	450.00	18225000000.00	0.31	3.51	O.K	0.09	0.24	O.k	59.36	0.22	0.00	0.15	O.k	0.00
G1	PISO2	G1P29	450.00	18225000000.00	0.31	3.51	O.K	0.09	0.24	O.k	59.36	0.22	0.00	0.15	O.k	0.00
G1	PISO2	G1P30	1500.00	675000000000.00	0.21	3.51	O.K	0.06	0.17	O.k	153.81	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P30	1500.00	675000000000.00	0.21	3.51	O.K	0.06	0.17	O.k	153.81	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P30	1500.00	675000000000.00	0.21	3.51	O.K	0.06	0.17	O.k	153.81	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P31	1100.00	286200000000.00	0.24	3.51	O.K	0.07	0.17	O.k	111.18	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P31	1100.00	286200000000.00	0.24	3.51	O.K	0.07	0.17	O.k	111.18	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P31	1100.00	286200000000.00	0.24	3.51	O.K	0.07	0.17	O.k	111.18	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P32	4465.00	1780304892500.00	0.18	3.51	O.K	0.05	0.13	O.k	369.76	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P32	4465.00	1780304892500.00	0.18	3.51	O.K	0.05	0.13	O.k	369.76	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P32	4465.00	1780304892500.00	0.17	3.51	O.K	0.05	0.12	O.k	369.76	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P33	3130.00	613285940000.00	0.19	3.51	O.K	0.05	0.14	O.k	295.51	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P33	3130.00	613285940000.00	0.19	3.51	O.K	0.05	0.14	O.k	295.51	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P33	3130.00	613285940000.00	0.19	3.51	O.K	0.05	0.14	O.k	295.51	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P34	3130.00	613285940000.00	0.20	3.51	O.K	0.06	0.15	O.k	303.70	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P34	3130.00	613285940000.00	0.20	3.51	O.K	0.06	0.15	O.k	303.70	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P34	3130.00	613285940000.00	0.20	3.51	O.K	0.06	0.15	O.k	303.70	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P35	3350.00	751907500000.00	0.20	3.51	O.K	0.06	0.15	O.k	326.67	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P35	3350.00	751907500000.00	0.20	3.51	O.K	0.06	0.15	O.k	326.67	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P35	3350.00	751907500000.00	0.20	3.51	O.K	0.06	0.15	O.k	326.67	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P36	1250.00	390625000000.00	0.17	3.51	O.K	0.05	0.14	O.k	118.76	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P36	1250.00	390625000000.00	0.17	3.51	O.K	0.05	0.14	O.k	118.76	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P36	1250.00	390625000000.00	0.17	3.51	O.K	0.05	0.13	O.k	118.76	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P37	520.00	28121600000.00	0.17	3.51	O.K	0.05	0.13	O.k	45.19	0.14	0.00	0.13	O.k	0.01
G1	PISO2	G1P37	520.00	28121600000.00	0.17	3.51	O.K	0.05	0.13	O.k	45.19	0.14	0.00	0.13	O.k	0.01
G1	PISO2	G1P37	520.00	28121600000.00	0.17	3.51	O.K	0.05	0.13	O.k	45.19	0.14	0.00	0.13	O.k	0.01
G1	PISO2	G1P38	775.00	93096875000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.56	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P38	775.00	93096875000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.56	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P38	775.00	93096875000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.56	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P39	775.00	93096875000.00	0.23	3.51	O.K	0.06	0.18	O.k	76.05	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P39	775.00	93096875000.00	0.23	3.51	O.K	0.06	0.18	O.k	76.05	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P39	775.00	93096875000.00	0.23	3.51	O.K	0.06	0.18	O.k	76.05	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P40	795.00	100491975000.00	0.23	3.51	O.K	0.06	0.18	O.k	77.60	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P40	795.00	100491975000.00	0.23	3.51	O.K	0.06	0.18	O.k	77.60	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P40	795.00	100491975000.00	0.23	3.51	O.K	0.06	0.18	O.k	77.60	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P41	795.00	100491975000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.75	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P41	795.00	100491975000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.75	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P41	795.00	100491975000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.75	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P42	680.00	62886400000.00	0.17	3.51	O.K	0.05	0.14	O.k	61.33	0.15	0.00	0.13	O.k	0.00
G1	PISO2	G1P42	680.00	62886400000.00	0.15	3.51	O.K	0.04	0.12	O.k	61.33	0.15	0.00	0.13	O.k	0.00
G1	PISO2	G1P42	680.00	62886400000.00	0.15	3.51	O.K	0.04	0.12	O.k	61.33	0.15	0.00	0.13	O.k	0.00
G1	PISO2	G1P43	3130.00	613285940000.00	0.19	3.51	O.K	0.05	0.15	O.k	302.17	0.16	0.00	0.14	O.k	0.00
G1	PISO2	G1P43	3130.00	613285940000.00	0.19	3.51	O.K	0.05	0.15	O.k	302.17	0.16	0.00	0.14	O.k	0.00

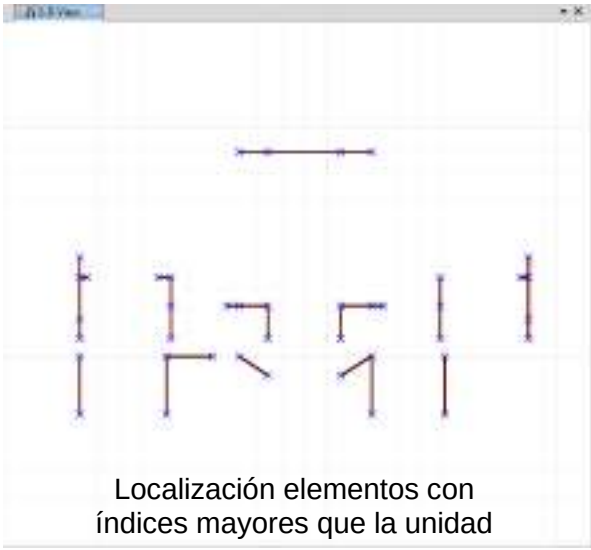
ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	$fb<=Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	$fv<=Fv_{adm}$	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	PISO2	G1P43	3130.00	6132859400000.00	0.19	3.51	O.K	0.05	0.15	O.k	302.17	0.16	0.00	0.14	O.k	0.00
G1	PISO2	G1P44	1805.00	1176147025000.00	0.26	3.51	O.K	0.07	0.19	O.k	189.03	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P44	1805.00	1176147025000.00	0.26	3.51	O.K	0.07	0.19	O.k	189.03	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P44	1805.00	1176147025000.00	0.26	3.51	O.K	0.07	0.19	O.k	189.03	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P45	600.00	43200000000.00	0.20	3.51	O.K	0.06	0.16	O.k	62.17	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P45	600.00	43200000000.00	0.20	3.51	O.K	0.06	0.16	O.k	62.17	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P45	600.00	43200000000.00	0.19	3.51	O.K	0.05	0.15	O.k	62.17	0.17	0.00	0.14	O.k	0.00
G1	PISO2	G1P46	1070.00	2450086800000.00	0.20	3.51	O.K	0.06	0.15	O.k	103.99	0.16	0.01	0.14	O.k	0.04
G1	PISO2	G1P46	1070.00	2450086800000.00	0.20	3.51	O.K	0.06	0.15	O.k	103.99	0.16	0.01	0.14	O.k	0.04
G1	PISO2	G1P46	1070.00	2450086800000.00	0.20	3.51	O.K	0.06	0.15	O.k	103.99	0.16	0.01	0.14	O.k	0.04
G1	PISO2	G1P47	1805.00	1176147025000.00	0.26	3.51	O.K	0.07	0.19	O.k	188.30	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P47	1805.00	1176147025000.00	0.26	3.51	O.K	0.07	0.19	O.k	188.30	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P47	1805.00	1176147025000.00	0.26	3.51	O.K	0.07	0.19	O.k	188.30	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P48	600.00	43200000000.00	0.20	3.51	O.K	0.06	0.16	O.k	62.18	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P48	600.00	43200000000.00	0.20	3.51	O.K	0.06	0.16	O.k	62.18	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P48	600.00	43200000000.00	0.20	3.51	O.K	0.06	0.16	O.k	62.18	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P49	1070.00	2450086800000.00	0.20	3.51	O.K	0.06	0.15	O.k	104.48	0.16	0.01	0.14	O.k	0.04
G1	PISO2	G1P49	1070.00	2450086800000.00	0.20	3.51	O.K	0.06	0.15	O.k	104.48	0.16	0.01	0.14	O.k	0.04
G1	PISO2	G1P49	1070.00	2450086800000.00	0.20	3.51	O.K	0.06	0.15	O.k	104.48	0.16	0.01	0.14	O.k	0.04
G1	PISO2	G1P50	520.00	28121600000.00	0.17	3.51	O.K	0.05	0.13	O.k	44.87	0.14	0.00	0.13	O.k	0.01
G1	PISO2	G1P50	520.00	28121600000.00	0.17	3.51	O.K	0.05	0.13	O.k	44.87	0.14	0.00	0.13	O.k	0.01
G1	PISO2	G1P50	520.00	28121600000.00	0.15	3.51	O.K	0.04	0.12	O.k	44.87	0.14	0.00	0.13	O.k	0.00
G1	PISO2	G1P51	775.00	9309685750000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.25	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P51	775.00	9309685750000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.25	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P51	775.00	9309685750000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.25	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P52	775.00	9309685750000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.74	0.17	0.00	0.14	O.k	0.03
G1	PISO2	G1P52	775.00	9309685750000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.74	0.17	0.00	0.14	O.k	0.03
G1	PISO2	G1P52	775.00	9309685750000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.74	0.17	0.00	0.14	O.k	0.03
G1	PISO2	G1P53	795.00	10049197500000.00	0.23	3.51	O.K	0.07	0.18	O.k	78.30	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P53	795.00	10049197500000.00	0.23	3.51	O.K	0.07	0.18	O.k	78.30	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P53	795.00	10049197500000.00	0.23	3.51	O.K	0.07	0.18	O.k	78.30	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P54	795.00	10049197500000.00	0.24	3.51	O.K	0.07	0.18	O.k	78.45	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P54	795.00	10049197500000.00	0.24	3.51	O.K	0.07	0.18	O.k	78.45	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P54	795.00	10049197500000.00	0.24	3.51	O.K	0.07	0.18	O.k	78.45	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P55	680.00	6286640000.00	0.17	3.51	O.K	0.05	0.13	O.k	60.24	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P55	680.00	6286640000.00	0.17	3.51	O.K	0.05	0.13	O.k	60.24	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P55	680.00	6286640000.00	0.16	3.51	O.K	0.04	0.12	O.k	60.24	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P56	3130.00	6132859400000.00	0.19	3.51	O.K	0.05	0.15	O.k	300.76	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P56	3130.00	6132859400000.00	0.17	3.51	O.K	0.05	0.13	O.k	300.76	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P56	3130.00	6132859400000.00	0.19	3.51	O.K	0.05	0.15	O.k	300.76	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P57	1305.00	4444895250000.00	0.17	3.51	O.K	0.05	0.13	O.k	118.54	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P57	1305.00	4444895250000.00	0.17	3.51	O.K	0.05	0.13	O.k	118.54	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P57	1305.00	4444895250000.00	0.17	3.51	O.K	0.05	0.13	O.k	118.54	0.15	0.00	0.13	O.k	0.01
G1	PISO2	G1P58	3350.00	7519075000000.00	0.19	3.51	O.K	0.05	0.15	O.k	327.99	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P58	3350.00	7519075000000.00	0.19	3.51	O.K	0.05	0.15	O.k	327.99	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P58	3350.00	7519075000000.00	0.19	3.51	O.K	0.05	0.15	O.k	327.99	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P59	3130.00	6132859400000.00	0.20	3.51	O.K	0.06	0.16	O.k	309.62	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P59	3130.00	6132859400000.00	0.20	3.51	O.K	0.06	0.16	O.k	309.62	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P59	3130.00	6132859400000.00	0.20	3.51	O.K	0.06	0.16	O.k	309.62	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P60	4465.00	17803048925000.00	0.17	3.51	O.K	0.05	0.13	O.k	364.49	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P60	4465.00	17803048925000.00	0.17	3.51	O.K	0.05	0.13	O.k	364.49	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P60	4465.00	17803048925000.00	0.16	3.51	O.K	0.05	0.12	O.k	364.49	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P61	3130.00	6132859400000.00	0.19	3.51	O.K	0.05	0.14	O.k	297.61	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P61	3130.00	6132859400000.00	0.17	3.51	O.K	0.05	0.13	O.k	297.61	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P61	3130.00	6132859400000.00	0.19	3.51	O.K	0.05	0.14	O.k	297.61	0.16	0.00	0.14	O.k	0.01
G1	PISO2	G1P62	2640.00	3679948800000.00	0.21	3.51	O.K	0.06	0.17	O.k	265.08	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P62	2640.00	3679948800000.00	0.21	3.51	O.K	0.06	0.17	O.k	265.08	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P62	2640.00	3679948800000.00	0.21	3.51	O.K	0.06	0.17	O.k	265.08	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P63	1053.34	2337381116920.27	0.20	3.51	O.K	0.06	0.16	O.k	106.00	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P63	1053.34	2337381116920.27	0.20	3.51	O.K	0.06	0.16	O.k	106.00	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P63	1053.34	2337381116920.27	0.20	3.51	O.K	0.06	0.16	O.k	106.00	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P64	1145.00	3002247250000.00	0.22	3.51	O.K	0.06	0.17	O.k	115.65	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P64	1145.00	3002247250000.00	0.22	3.51	O.K	0.06	0.17	O.k	115.65	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P64	1145.00	3002247250000.00	0.22	3.51	O.K	0.06	0.17	O.k	115.65	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P65	2625.00	3617578125000.00	0.21	3.51	O.K	0.06	0.16	O.k	265.71	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P65	2625.00	3617578125000.00	0.21	3.51	O.K	0.06	0.16	O.k	265.71	0.17	0.01	0.14	O.k	0.04
G1	PISO2	G1P65	2625.00	3617578125000.00	0.21	3.51	O.K	0.06	0.16	O.k	265.71	0.17	0.01	0.14	O.k	0.04

4.11.1.2 Evaluación Condición Sismo (Cargas Gravitacionales más Sismo de diseño)

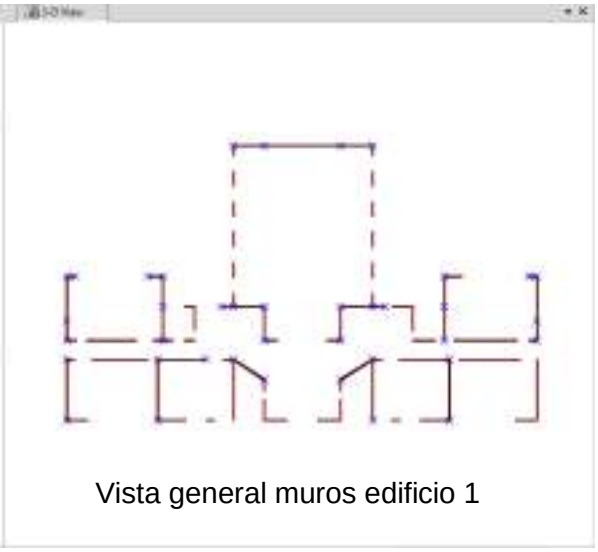
Los resultados encontrados para estos análisis generan índices de sobre esfuerzo mayores a la unidad

EVALUACIÓN ESTADO VULNERABILIDAD - GREAVEDAD MAS SISMO	
Índice de sobreesfuerzo a compresión axial máximo	0.23
Índice de sobreesfuerzo a flexo-compresión	0.28
Indice de sobreesfuerzo a cortante	1.52

La información de la revisión de cada uno de los muros evaluados para La Alcaldía Local De Barrios Unidos puede ser consultada en las siguientes tablas.



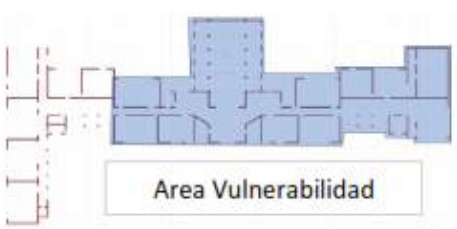
Localización elementos con índices mayores que la unidad



Vista general muros edificio 1

PROYECTO:	ALCALDIA LOCAL DE BARRIOS UNIDOS	FECHA: 12/05/2022
PRESENTADO POR:	IVAN MAURICIO GUEVARA	No. P. P-22-696

ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 1 DE 2 - CARGAS GRAVITACIONALES + SISMO





ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO									COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_c	e_s	$\phi_c \phi_s f'm$	Ra	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P1	AXIAL	325.38	418.29	202.75	300.00	14410.00	3500.00	14410.00	11.67	1.00	1.00	8.00	0.92	0.075	1.96	O.K	0.04
G1	CUBIERTA	G1P1	CORTANTE	304.59	1239.87	595.40	300.00	14410.00	3500.00	14410.00	11.67	1.00	1.00	8.00	0.92	0.070	1.96	O.K	0.04
G1	CUBIERTA	G1P1	MOMENTO	304.59	1239.87	595.40	300.00	14410.00	3500.00	14410.00	11.67	1.00	1.00	8.00	0.92	0.070	1.96	O.K	0.04
G1	CUBIERTA	G1P2	AXIAL	49.11	17.81	20.09	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.193	1.96	O.K	0.10
G1	CUBIERTA	G1P2	CORTANTE	11.25	33.63	29.35	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.044	1.96	O.K	0.02
G1	CUBIERTA	G1P2	MOMENTO	8.69	33.96	24.39	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.034	1.96	O.K	0.02
G1	CUBIERTA	G1P3	AXIAL	79.56	15.22	2.07	300.00	1410.00	3500.00	1410.00	11.67	1.00	1.00	8.00	0.92	0.188	1.96	O.K	0.10
G1	CUBIERTA	G1P3	CORTANTE	0.55	49.04	40.86	300.00	1410.00	3500.00	1410.00	11.67	1.00	1.00	8.00	0.92	0.001	1.96	O.K	0.00
G1	CUBIERTA	G1P3	MOMENTO	0.55	49.04	40.86	300.00	1410.00	3500.00	1410.00	11.67	1.00	1.00	8.00	0.92	0.001	1.96	O.K	0.00
G1	CUBIERTA	G1P4	AXIAL	97.21	27.34	34.35	300.00	1810.00	3500.00	1810.00	11.67	1.00	1.00	8.00	0.92	0.179	1.96	O.K	0.09
G1	CUBIERTA	G1P4	CORTANTE	63.51	48.93	43.44	300.00	1810.00	3500.00	1810.00	11.67	1.00	1.00	8.00	0.92	0.117	1.96	O.K	0.06
G1	CUBIERTA	G1P4	MOMENTO	63.51	48.93	43.44	300.00	1810.00	3500.00	1810.00	11.67	1.00	1.00	8.00	0.92	0.117	1.96	O.K	0.06
G1	CUBIERTA	G1P5	AXIAL	53.21	10.80	3.67	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.209	1.96	O.K	0.11
G1	CUBIERTA	G1P5	CORTANTE	17.76	29.11	25.98	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.070	1.96	O.K	0.04
G1	CUBIERTA	G1P5	MOMENTO	17.76	29.11	25.98	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.070	1.96	O.K	0.04
G1	CUBIERTA	G1P6	AXIAL	42.62	0.96	4.09	300.00	1090.00	3500.00	1090.00	11.67	1.00	1.00	8.00	0.92	0.130	1.96	O.K	0.07
G1	CUBIERTA	G1P6	CORTANTE	7.79	8.68	14.46	300.00	1090.00	3500.00	1090.00	11.67	1.00	1.00	8.00	0.92	0.024	1.96	O.K	0.01
G1	CUBIERTA	G1P6	MOMENTO	7.79	8.68	14.46	300.00	1090.00	3500.00	1090.00	11.67	1.00	1.00	8.00	0.92	0.024	1.96	O.K	0.01
G1	CUBIERTA	G1P7	AXIAL	173.43	135.61	127.47	300.00	4390.00	3500.00	4390.00	11.67	1.00	1.00	8.00	0.92	0.132	1.96	O.K	0.07
G1	CUBIERTA	G1P7	CORTANTE	47.31	135.31	130.26	300.00	4390.00	3500.00	4390.00	11.67	1.00	1.00	8.00	0.92	0.036	1.96	O.K	0.02
G1	CUBIERTA	G1P7	MOMENTO	173.43	135.61	127.47	300.00	4390.00	3500.00	4390.00	11.67	1.00	1.00	8.00	0.92	0.132	1.96	O.K	0.07
G1	CUBIERTA	G1P8	AXIAL	175.67	145.73	134.89	300.00	4560.00	3500.00	4560.00	11.67	1.00	1.00	8.00	0.92	0.128	1.96	O.K	0.07
G1	CUBIERTA	G1P8	CORTANTE	47.36	145.23	140.77	300.00	4560.00	3500.00	4560.00	11.67	1.00	1.00	8.00	0.92	0.035	1.96	O.K	0.02
G1	CUBIERTA	G1P8	MOMENTO	175.67	145.73	134.89	300.00	4560.00	3500.00	4560.00	11.67	1.00	1.00	8.00	0.92	0.128	1.96	O.K	0.07
G1	CUBIERTA	G1P9	AXIAL	63.31	11.44	14.39	300.00	2250.00	3500.00	2250.00	11.67	1.00	1.00	8.00	0.92	0.123	1.96	O.K	0.06
G1	CUBIERTA	G1P9	CORTANTE	26.00	26.10	28.56	300.00	2250.00	3500.00	2250.00	11.67	1.00	1.00	8.00	0.92	0.039	1.96	O.K	0.02
G1	CUBIERTA	G1P9	MOMENTO	77.71	26.38	25.01	300.00	2250.00	3500.00	2250.00	11.67	1.00	1.00	8.00	0.92	0.115	1.96	O.K	0.06
G1	CUBIERTA	G1P10	AXIAL	60.21	6.58	12.97	300.00	1000.00	3500.00	1000.00	11.67	1.00	1.00	8.00	0.92	0.201	1.96	O.K	0.10
G1	CUBIERTA	G1P10	CORTANTE	47.41	10.70	20.32	300.00	1000.00	3500.00	1000.00	11.67	1.00	1.00	8.00	0.92	0.158	1.96	O.K	0.08
G1	CUBIERTA	G1P10	MOMENTO	47.41	10.70	20.32	300.00	1000.00	3500.00	1000.00	11.67	1.00	1.00	8.00	0.92	0.158	1.96	O.K	0.08
G1	CUBIERTA	G1P11	AXIAL	39.55	8.86	4.92	300.00	1096.67	3500.00	1096.67	11.67	1.00	1.00	8.00	0.92	0.120	1.96	O.K	0.06
G1	CUBIERTA	G1P11	CORTANTE	35.12	11.12	8.57	300.00	1096.67	3500.00	1096.67	11.67	1.00	1.00	8.00	0.92	0.107	1.96	O.K	0.05
G1	CUBIERTA	G1P11	MOMENTO	35.12	11.12	8.57	300.00	1096.67	3500.00	1096.67	11.67	1.00	1.00	8.00	0.92	0.107	1.96	O.K	0.05
G1	CUBIERTA	G1P12	AXIAL	78.06	19.64	22.25	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.186	1.96	O.K	0.09
G1	CUBIERTA	G1P12	CORTANTE	50.21	38.32	32.56	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.120	1.96	O.K	0.06
G1	CUBIERTA	G1P12	MOMENTO	50.21	38.32	32.56	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.120	1.96	O.K	0.06
G1	CUBIERTA	G1P13	AXIAL	79.41	6.41	8.51	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.189	1.96	O.K	0.10
G1	CUBIERTA	G1P13	CORTANTE	3.20	38.27	32.77	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.008	1.96	O.K	0.00
G1	CUBIERTA	G1P13	MOMENTO	3.20	38.27	32.77	300.00	1400.00	3500.00	1400.00	11.67	1.00	1.00	8.00	0.92	0.008	1.96	O.K	0.00

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	α_c	α_s	$\phi_c \phi_f m$	fa	fa	$F'a_{adm}$	$fa<=F'a_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P14	AXIAL	159.94	92.96	35.17	300.00	6570.00	3500.00	6570.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P14	CORTANTE	140.39	397.86	152.56	300.00	6570.00	3500.00	6570.00	11.67	1.00	1.00	8.00	0.92	0.071	1.96	O.K	0.04
G1	CUBIERTA	G1P14	MOMENTO	140.39	397.86	152.56	300.00	6570.00	3500.00	6570.00	11.67	1.00	1.00	8.00	0.92	0.071	1.96	O.K	0.04
G1	CUBIERTA	G1P15	AXIAL	55.39	2.90	9.32	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.217	1.96	O.K	0.11
G1	CUBIERTA	G1P15	CORTANTE	9.65	9.15	17.56	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.038	1.96	O.K	0.02
G1	CUBIERTA	G1P15	MOMENTO	9.65	9.15	17.56	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.038	1.96	O.K	0.02
G1	CUBIERTA	G1P16	AXIAL	50.02	5.40	9.72	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.196	1.96	O.K	0.10
G1	CUBIERTA	G1P16	CORTANTE	33.26	8.37	14.51	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.130	1.96	O.K	0.07
G1	CUBIERTA	G1P16	MOMENTO	25.95	8.58	12.59	300.00	850.00	3500.00	850.00	11.67	1.00	1.00	8.00	0.92	0.102	1.96	O.K	0.05
G1	CUBIERTA	G1P17	AXIAL	171.62	18.87	0.13	300.00	5920.00	3500.00	5920.00	11.67	1.00	1.00	8.00	0.92	0.097	1.96	O.K	0.05
G1	CUBIERTA	G1P17	CORTANTE	154.44	398.87	114.93	300.00	5920.00	3500.00	5920.00	11.67	1.00	1.00	8.00	0.92	0.087	1.96	O.K	0.04
G1	CUBIERTA	G1P17	MOMENTO	141.77	329.03	114.53	300.00	5920.00	3500.00	5920.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P18	AXIAL	212.68	73.53	94.06	300.00	5060.00	3500.00	5060.00	11.67	1.00	1.00	8.00	0.92	0.140	1.96	O.K	0.07
G1	CUBIERTA	G1P18	CORTANTE	198.96	206.45	140.79	300.00	5060.00	3500.00	5060.00	11.67	1.00	1.00	8.00	0.92	0.131	1.96	O.K	0.07
G1	CUBIERTA	G1P18	MOMENTO	44.66	210.45	121.09	300.00	5060.00	3500.00	5060.00	11.67	1.00	1.00	8.00	0.92	0.029	1.96	O.K	0.01
G1	CUBIERTA	G1P19	AXIAL	66.92	3.78	10.55	300.00	1150.00	3500.00	1150.00	11.67	1.00	1.00	8.00	0.92	0.194	1.96	O.K	0.10
G1	CUBIERTA	G1P19	CORTANTE	66.90	8.04	16.73	300.00	1150.00	3500.00	1150.00	11.67	1.00	1.00	8.00	0.92	0.194	1.96	O.K	0.10
G1	CUBIERTA	G1P19	MOMENTO	4.37	9.29	12.22	300.00	1150.00	3500.00	1150.00	11.67	1.00	1.00	8.00	0.92	0.013	1.96	O.K	0.01
G1	CUBIERTA	G1P20	AXIAL	143.02	71.34	54.11	300.00	3752.57	3500.00	3752.57	11.67	1.00	1.00	8.00	0.92	0.127	1.96	O.K	0.06
G1	CUBIERTA	G1P20	CORTANTE	137.53	99.56	107.76	300.00	3752.57	3500.00	3752.57	11.67	1.00	1.00	8.00	0.92	0.122	1.96	O.K	0.06
G1	CUBIERTA	G1P20	MOMENTO	63.15	102.94	97.52	300.00	3752.57	3500.00	3752.57	11.67	1.00	1.00	8.00	0.92	0.056	1.96	O.K	0.03
G1	CUBIERTA	G1P21	AXIAL	152.51	84.64	44.54	300.00	3895.50	3500.00	3895.50	11.67	1.00	1.00	8.00	0.92	0.131	1.96	O.K	0.07
G1	CUBIERTA	G1P21	CORTANTE	66.18	111.51	117.03	300.00	3895.50	3500.00	3895.50	11.67	1.00	1.00	8.00	0.92	0.057	1.96	O.K	0.03
G1	CUBIERTA	G1P21	MOMENTO	142.66	113.58	102.76	300.00	3895.50	3500.00	3895.50	11.67	1.00	1.00	8.00	0.92	0.122	1.96	O.K	0.06
G1	CUBIERTA	G1P22	AXIAL	66.63	3.96	6.38	300.00	1050.00	3500.00	1050.00	11.67	1.00	1.00	8.00	0.92	0.212	1.96	O.K	0.11
G1	CUBIERTA	G1P22	CORTANTE	11.76	6.80	14.07	300.00	1050.00	3500.00	1050.00	11.67	1.00	1.00	8.00	0.92	0.037	1.96	O.K	0.02
G1	CUBIERTA	G1P22	MOMENTO	54.97	7.71	10.85	300.00	1050.00	3500.00	1050.00	11.67	1.00	1.00	8.00	0.92	0.174	1.96	O.K	0.09
G1	CUBIERTA	G1P23	AXIAL	170.92	1.54	2.24	300.00	6420.00	3500.00	6420.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P23	CORTANTE	155.95	391.91	135.53	300.00	6420.00	3500.00	6420.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P23	MOMENTO	147.92	395.03	133.32	300.00	6420.00	3500.00	6420.00	11.67	1.00	1.00	8.00	0.92	0.077	1.96	O.K	0.04
G1	CUBIERTA	G1P24	AXIAL	112.04	34.11	43.81	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.170	1.96	O.K	0.09
G1	CUBIERTA	G1P24	CORTANTE	88.22	63.08	56.61	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.134	1.96	O.K	0.07
G1	CUBIERTA	G1P24	MOMENTO	88.22	63.08	56.61	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.134	1.96	O.K	0.07
G1	CUBIERTA	G1P25	AXIAL	154.24	20.22	38.79	300.00	2900.00	3500.00	2900.00	11.67	1.00	1.00	8.00	0.92	0.177	1.96	O.K	0.09
G1	CUBIERTA	G1P25	CORTANTE	10.41	58.40	59.87	300.00	2900.00	3500.00	2900.00	11.67	1.00	1.00	8.00	0.92	0.012	1.96	O.K	0.01
G1	CUBIERTA	G1P25	MOMENTO	10.41	58.40	59.87	300.00	2900.00	3500.00	2900.00	11.67	1.00	1.00	8.00	0.92	0.012	1.96	O.K	0.01
G1	CUBIERTA	G1P26	AXIAL	30.57	1.62	1.76	300.00	800.00	3500.00	800.00	11.67	1.00	1.00	8.00	0.92	0.127	1.96	O.K	0.06
G1	CUBIERTA	G1P26	CORTANTE	24.06	3.42	4.76	300.00	800.00	3500.00	800.00	11.67	1.00	1.00	8.00	0.92	0.100	1.96	O.K	0.05
G1	CUBIERTA	G1P26	MOMENTO	24.06	3.42	4.76	300.00	800.00	3500.00	800.00	11.67	1.00	1.00	8.00	0.92	0.100	1.96	O.K	0.05
G1	CUBIERTA	G1P27	AXIAL	80.15	39.87	36.17	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.114	1.96	O.K	0.06
G1	CUBIERTA	G1P27	CORTANTE	80.15	39.87	36.17	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.114	1.96	O.K	0.06
G1	CUBIERTA	G1P27	MOMENTO	80.15	39.87	36.17	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.114	1.96	O.K	0.06
G1	CUBIERTA	G1P28	AXIAL	81.19	28.13	31.56	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.115	1.96	O.K	0.06
G1	CUBIERTA	G1P28	CORTANTE	18.74	41.37	37.24	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.027	1.96	O.K	0.01
G1	CUBIERTA	G1P28	MOMENTO	18.74	41.37	37.24	300.00	2350.00	3500.00	2350.00	11.67	1.00	1.00	8.00	0.92	0.027	1.96	O.K	0.01
G1	CUBIERTA	G1P29	AXIAL	37.33	0.40	0.38	300.00	900.00	3500.00	900.00	11.67	1.00	1.00	8.00	0.92	0.138	1.96	O.K	0.07
G1	CUBIERTA	G1P29	CORTANTE	28.96	3.17	4.55	300.00	900.00	3500.00	900.00	11.67	1.00	1.00	8.00	0.92	0.107	1.96	O.K	0.05
G1	CUBIERTA	G1P29	MOMENTO	28.96	3.17	4.55	300.00	900.00	3500.00	900.00	11.67	1.00	1.00	8.00	0.92	0.107	1.96	O.K	0.05
G1	CUBIERTA	G1P30	AXIAL	145.15	30.75	46.17	300.00	3000.00	3500.00	3000.00	11.67	1.00	1.00	8.00	0.92	0.161	1.96	O.K	0.08
G1	CUBIERTA	G1P30	CORTANTE	137.21	64.57	62.87	300.00	3000.00	3500.00	3000.00	11.67	1.00	1.00	8.00	0.92	0.152	1.96	O.K	0.08
G1	CUBIERTA	G1P30	MOMENTO	137.21	64.57	62.87	300.00	3000.00	3500.00	3000.00	11.67	1.00	1.00	8.00	0.92	0.152	1.96	O.K	0.08
G1	CUBIERTA	G1P31	AXIAL	112.51	1.96	13.17	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.170	1.96	O.K	0.09
G1	CUBIERTA	G1P31	CORTANTE	2.32	60.35	51.85	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.004	1.96	O.K	0.00
G1	CUBIERTA	G1P31	MOMENTO	2.32	60.35	51.85	300.00	2200.00	3500.00	2200.00	11.67	1.00	1.00	8.00	0.92	0.004	1.96	O.K	0.00
G1	CUBIERTA	G1P32	AXIAL	223.09	75.52	91.56	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.111	1.96	O.K	0.06
G1	CUBIERTA	G1P32	CORTANTE	188.25	315.11	207.66	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.094	1.96	O.K	0.05
G1	CUBIERTA	G1P32	MOMENTO	165.77	364.56	203.31	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.082	1.96	O.K	0.04
G1	CUBIERTA	G1P33	AXIAL	199.56	120.09	82.09	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.106	1.96	O.K	0.05
G1	CUBIERTA	G1P33	CORTANTE	178.59	266.73	184.17	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.095	1.96	O.K	0.05
G1	CUBIERTA	G1P33	MOMENTO	178.59	266.73	184.17	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.095	1.96	O.K	0.05
G1	CUBIERTA	G1P34	AXIAL	251.41	116.30	85.41	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.134	1.96	O.K	0.07
G1	CUBIERTA	G1P34	CORTANTE	111.24	273.96	229.27	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.059	1.96	O.K	0.03
G1	CUBIERTA	G1P34	MOMENTO	111.24	273.96	229.27	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.059	1.96	O.K	0.03
G1	CUBIERTA	G1P35	AXIAL	208.81	239.57	184.67	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.104	1.96	O.K	0.05
G1	CUBIERTA	G1P35	CORTANTE	193.63	322.98	239.43	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.096	1.96	O.K	0.05
G1	CUBIERTA	G1P35	MOMENTO	193.63	322.98	239.43	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.096	1.96	O.K	0.05
G1	CUBIERTA	G1P36	AXIAL	82.26	27.97	21.87	300.00	2500.00	3500.00	2500.00	11.67	1.00	1.00	8.00	0.92	0.110	1.96	O.K	0.06
G1	CUBIERTA	G1P36	CORTANTE	42.73	36.50	29.14	300.00	2500.00	3500.00	2500.00	11.67	1.00	1.00	8.00	0.92	0.057	1.96	O.K	0.03
G1	CUBIERTA	G1P36	MOMENTO	82.05	36.83	28.69	300.00	2500.00	3500.00	2500.00	11.67	1.00	1.00	8.00	0.92	0.109	1.96	O.K	0.06

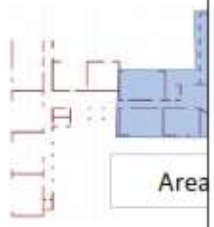
ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	α_c	α_s	$\phi_c \phi_f m$	fa	fa	$F'a_{adm}$	$fa<=F'a_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P37	AXIAL	63.60	3.05	9.56	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.204	1.96	O.K	0.10
G1	CUBIERTA	G1P37	CORTANTE	42.02	6.61	14.60	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.135	1.96	O.K	0.07
G1	CUBIERTA	G1P37	MOMENTO	2.95	7.28	14.55	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.009	1.96	O.K	0.00
G1	CUBIERTA	G1P38	AXIAL	42.03	1.99	1.08	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.090	1.96	O.K	0.05
G1	CUBIERTA	G1P38	CORTANTE	37.36	9.37	8.94	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P38	MOMENTO	37.36	9.37	8.94	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P39	AXIAL	41.62	3.03	1.59	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P39	CORTANTE	37.25	9.70	9.19	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P39	MOMENTO	37.25	9.70	9.19	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P40	AXIAL	42.34	4.11	2.15	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P40	CORTANTE	38.00	10.60	9.67	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P40	MOMENTO	39.76	11.10	8.47	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P41	AXIAL	42.45	4.05	2.10	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.089	1.96	O.K	0.05
G1	CUBIERTA	G1P41	CORTANTE	38.00	10.60	9.69	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P41	MOMENTO	39.77	11.05	8.45	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.083	1.96	O.K	0.04
G1	CUBIERTA	G1P42	AXIAL	68.58	8.52	13.08	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.168	1.96	O.K	0.09
G1	CUBIERTA	G1P42	CORTANTE	3.33	14.74	28.45	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.008	1.96	O.K	0.00
G1	CUBIERTA	G1P42	MOMENTO	3.33	14.74	28.45	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.008	1.96	O.K	0.00
G1	CUBIERTA	G1P43	AXIAL	207.67	261.35	153.69	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.111	1.96	O.K	0.06
G1	CUBIERTA	G1P43	CORTANTE	207.67	261.35	153.69	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.111	1.96	O.K	0.06
G1	CUBIERTA	G1P43	MOMENTO	98.85	267.87	135.96	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.053	1.96	O.K	0.03
G1	CUBIERTA	G1P44	AXIAL	141.72	25.15	41.74	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.131	1.96	O.K	0.07
G1	CUBIERTA	G1P44	CORTANTE	55.12	85.48	111.96	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.051	1.96	O.K	0.03
G1	CUBIERTA	G1P44	MOMENTO	55.12	85.48	111.96	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.051	1.96	O.K	0.03
G1	CUBIERTA	G1P45	AXIAL	78.16	7.39	15.21	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.217	1.96	O.K	0.11
G1	CUBIERTA	G1P45	CORTANTE	68.49	11.50	20.85	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.190	1.96	O.K	0.10
G1	CUBIERTA	G1P45	MOMENTO	68.49	11.50	20.85	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.190	1.96	O.K	0.10
G1	CUBIERTA	G1P46	AXIAL	85.54	9.97	16.37	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.133	1.96	O.K	0.07
G1	CUBIERTA	G1P46	CORTANTE	80.22	22.85	25.06	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.125	1.96	O.K	0.06
G1	CUBIERTA	G1P46	MOMENTO	26.27	24.58	22.40	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.041	1.96	O.K	0.02
G1	CUBIERTA	G1P47	AXIAL	142.19	26.17	41.34	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.131	1.96	O.K	0.07
G1	CUBIERTA	G1P47	CORTANTE	54.59	86.05	114.67	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.050	1.96	O.K	0.03
G1	CUBIERTA	G1P47	MOMENTO	54.59	86.05	114.67	300.00	3610.00	3500.00	3610.00	11.67	1.00	1.00	8.00	0.92	0.050	1.96	O.K	0.03
G1	CUBIERTA	G1P48	AXIAL	79.98	5.20	11.57	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.222	1.96	O.K	0.11
G1	CUBIERTA	G1P48	CORTANTE	68.93	9.93	17.91	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.191	1.96	O.K	0.10
G1	CUBIERTA	G1P48	MOMENTO	68.93	9.93	17.91	300.00	1200.00	3500.00	1200.00	11.67	1.00	1.00	8.00	0.92	0.191	1.96	O.K	0.10
G1	CUBIERTA	G1P49	AXIAL	87.90	11.70	17.35	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.137	1.96	O.K	0.07
G1	CUBIERTA	G1P49	CORTANTE	83.21	23.30	25.86	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.130	1.96	O.K	0.07
G1	CUBIERTA	G1P49	MOMENTO	24.58	25.33	23.40	300.00	2140.00	3500.00	2140.00	11.67	1.00	1.00	8.00	0.92	0.038	1.96	O.K	0.02
G1	CUBIERTA	G1P50	AXIAL	63.96	2.93	9.77	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.205	1.96	O.K	0.10
G1	CUBIERTA	G1P50	CORTANTE	1.96	7.64	15.39	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.006	1.96	O.K	0.00
G1	CUBIERTA	G1P50	MOMENTO	1.96	7.64	15.39	300.00	1040.00	3500.00	1040.00	11.67	1.00	1.00	8.00	0.92	0.006	1.96	O.K	0.00
G1	CUBIERTA	G1P51	AXIAL	42.48	2.17	1.09	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.091	1.96	O.K	0.05
G1	CUBIERTA	G1P51	CORTANTE	37.63	10.06	9.15	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P51	MOMENTO	37.63	10.06	9.15	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P52	AXIAL	42.11	3.27	1.60	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.091	1.96	O.K	0.05
G1	CUBIERTA	G1P52	CORTANTE	37.53	10.40	9.38	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P52	MOMENTO	37.53	10.40	9.38	300.00	1550.00	3500.00	1550.00	11.67	1.00	1.00	8.00	0.92	0.081	1.96	O.K	0.04
G1	CUBIERTA	G1P53	AXIAL	42.86	4.43	2.15	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.090	1.96	O.K	0.05
G1	CUBIERTA	G1P53	CORTANTE	38.30	11.36	9.87	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P53	MOMENTO	40.15	11.91	8.66	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P54	AXIAL	42.95	4.36	2.10	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.090	1.96	O.K	0.05
G1	CUBIERTA	G1P54	CORTANTE	38.29	11.36	9.89	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P54	MOMENTO	40.15	11.86	8.64	300.00	1590.00	3500.00	1590.00	11.67	1.00	1.00	8.00	0.92	0.084	1.96	O.K	0.04
G1	CUBIERTA	G1P55	AXIAL	69.44	7.88	14.46	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.170	1.96	O.K	0.09
G1	CUBIERTA	G1P55	CORTANTE	1.51	15.01	28.19	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.004	1.96	O.K	0.00
G1	CUBIERTA	G1P55	MOMENTO	1.51	15.01	28.19	300.00	1360.00	3500.00	1360.00	11.67	1.00	1.00	8.00	0.92	0.004	1.96	O.K	0.00
G1	CUBIERTA	G1P56	AXIAL	212.40	313.04	179.09	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.113	1.96	O.K	0.06
G1	CUBIERTA	G1P56	CORTANTE	212.40	313.04	179.09	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.113	1.96	O.K	0.06
G1	CUBIERTA	G1P56	MOMENTO	90.36	345.96	155.35	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.048	1.96	O.K	0.02
G1	CUBIERTA	G1P57	AXIAL	92.63	42.10	30.39	300.00	2610.00	3500.00	2610.00	11.67	1.00	1.00	8.00	0.92	0.118	1.96	O.K	0.06
G1	CUBIERTA	G1P57	CORTANTE	29.91	38.13	35.00	300.00	2610.00	3500.00	2610.00	11.67	1.00	1.00	8.00	0.92	0.038	1.96	O.K	0.02
G1	CUBIERTA	G1P57	MOMENTO	92.63	42.10	30.39	300.00	2610.00	3500.00	2610.00	11.67	1.00	1.00	8.00	0.92	0.118	1.96	O.K	0.06
G1	CUBIERTA	G1P58	AXIAL	232.74	280.72	147.13	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.116	1.96	O.K	0.06
G1	CUBIERTA	G1P58	CORTANTE	227.62	383.55	191.52	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.113	1.96	O.K	0.06
G1	CUBIERTA	G1P58	MOMENTO	227.62	383.55	191.52	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.113	1.96	O.K	0.06
G1	CUBIERTA	G1P59	AXIAL	259.95	95.86	74.72	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.138	1.96	O.K	0.07
G1	CUBIERTA	G1P59	CORTANTE	125.79	188.52	179.77	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.067	1.96	O.K	0.03
G1	CUBIERTA	G1P59	MOMENTO	125.79	188.52	179.77	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.067	1.96	O.K	0.03

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO									COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	α_c	α_s	$\phi_c \phi_f f'm$	fa	fa	$F'a_{adm}$	$fa<=F'a_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	CUBIERTA	G1P60	AXIAL	217.19	105.17	94.06	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.108	1.96	O.K	0.06
G1	CUBIERTA	G1P60	CORTANTE	185.16	354.11	214.50	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.092	1.96	O.K	0.05
G1	CUBIERTA	G1P60	MOMENTO	165.29	394.30	214.49	300.00	6700.00	3500.00	6700.00	11.67	1.00	1.00	8.00	0.92	0.082	1.96	O.K	0.04
G1	CUBIERTA	G1P61	AXIAL	211.49	328.93	168.24	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.113	1.96	O.K	0.06
G1	CUBIERTA	G1P61	CORTANTE	84.15	297.19	168.26	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.045	1.96	O.K	0.02
G1	CUBIERTA	G1P61	MOMENTO	211.49	328.93	168.24	300.00	6260.00	3500.00	6260.00	11.67	1.00	1.00	8.00	0.92	0.113	1.96	O.K	0.06
G1	CUBIERTA	G1P62	AXIAL	129.33	1.10	1.31	300.00	5280.00	3500.00	5280.00	11.67	1.00	1.00	8.00	0.92	0.082	1.96	O.K	0.04
G1	CUBIERTA	G1P62	CORTANTE	126.33	225.91	98.93	300.00	5280.00	3500.00	5280.00	11.67	1.00	1.00	8.00	0.92	0.080	1.96	O.K	0.04
G1	CUBIERTA	G1P62	MOMENTO	110.94	225.93	97.79	300.00	5280.00	3500.00	5280.00	11.67	1.00	1.00	8.00	0.92	0.070	1.96	O.K	0.04
G1	CUBIERTA	G1P63	AXIAL	116.09	4.98	7.98	300.00	2106.67	3500.00	2106.67	11.67	1.00	1.00	8.00	0.92	0.184	1.96	O.K	0.09
G1	CUBIERTA	G1P63	CORTANTE	15.43	24.07	24.87	300.00	2106.67	3500.00	2106.67	11.67	1.00	1.00	8.00	0.92	0.024	1.96	O.K	0.01
G1	CUBIERTA	G1P63	MOMENTO	15.43	24.07	24.87	300.00	2106.67	3500.00	2106.67	11.67	1.00	1.00	8.00	0.92	0.024	1.96	O.K	0.01
G1	CUBIERTA	G1P64	AXIAL	59.98	11.35	5.30	300.00	2290.00	3500.00	2290.00	11.67	1.00	1.00	8.00	0.92	0.067	1.96	O.K	0.04
G1	CUBIERTA	G1P64	CORTANTE	53.17	28.41	16.60	300.00	2290.00	3500.00	2290.00	11.67	1.00	1.00	8.00	0.92	0.077	1.96	O.K	0.04
G1	CUBIERTA	G1P64	MOMENTO	53.17	28.41	16.60	300.00	2290.00	3500.00	2290.00	11.67	1.00	1.00	8.00	0.92	0.077	1.96	O.K	0.04
G1	CUBIERTA	G1P65	AXIAL	203.62	81.87	68.90	300.00	5250.00	3500.00	5250.00	11.67	1.00	1.00	8.00	0.92	0.129	1.96	O.K	0.07
G1	CUBIERTA	G1P65	CORTANTE	54.03	231.55	144.40	300.00	5250.00	3500.00	5250.00	11.67	1.00	1.00	8.00	0.92	0.034	1.96	O.K	0.02
G1	CUBIERTA	G1P65	MOMENTO	54.03	231.55	144.40	300.00	5250.00	3500.00	5250.00	11.67	1.00	1.00	8.00	0.92	0.034	1.96	O.K	0.02
G1	PISO2	G1P1	AXIAL	753.07	548.53	131.24	300.00	14410.00	3700.00	14410.00	12.33	1.00	1.00	8.00	0.91	0.174	1.94	O.K	0.09
G1	PISO2	G1P1	CORTANTE	656.27	2195.88	505.41	300.00	14410.00	3700.00	14410.00	12.33	1.00	1.00	8.00	0.91	0.152	1.94	O.K	0.08
G1	PISO2	G1P1	MOMENTO	656.27	2195.88	505.41	300.00	14410.00	3700.00	14410.00	12.33	1.00	1.00	8.00	0.91	0.152	1.94	O.K	0.08
G1	PISO2	G1P2	AXIAL	59.16	14.49	20.81	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.232	1.94	O.K	0.12
G1	PISO2	G1P2	CORTANTE	50.25	16.43	24.15	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P2	MOMENTO	50.25	16.43	24.15	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P3	AXIAL	183.30	4.27	9.49	300.00	1410.00	3700.00	1410.00	12.33	1.00	1.00	8.00	0.91	0.433	1.94	O.K	0.22
G1	PISO2	G1P3	CORTANTE	28.28	27.34	28.19	300.00	1410.00	3700.00	1410.00	12.33	1.00	1.00	8.00	0.91	0.067	1.94	O.K	0.03
G1	PISO2	G1P3	MOMENTO	0.41	27.48	25.18	300.00	1410.00	3700.00	1410.00	12.33	1.00	1.00	8.00	0.91	0.001	1.94	O.K	0.00
G1	PISO2	G1P4	AXIAL	211.26	18.53	23.89	300.00	1810.00	3700.00	1810.00	12.33	1.00	1.00	8.00	0.91	0.389	1.94	O.K	0.20
G1	PISO2	G1P4	CORTANTE	170.83	38.53	33.10	300.00	1810.00	3700.00	1810.00	12.33	1.00	1.00	8.00	0.91	0.315	1.94	O.K	0.16
G1	PISO2	G1P4	MOMENTO	176.12	44.09	32.41	300.00	1810.00	3700.00	1810.00	12.33	1.00	1.00	8.00	0.91	0.324	1.94	O.K	0.17
G1	PISO2	G1P5	AXIAL	60.71	7.98	10.39	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.238	1.94	O.K	0.12
G1	PISO2	G1P5	CORTANTE	4.98	15.25	22.41	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.020	1.94	O.K	0.01
G1	PISO2	G1P5	MOMENTO	4.98	15.25	22.41	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.020	1.94	O.K	0.01
G1	PISO2	G1P6	AXIAL	101.58	5.24	8.29	300.00	1090.00	3700.00	1090.00	12.33	1.00	1.00	8.00	0.91	0.311	1.94	O.K	0.16
G1	PISO2	G1P6	CORTANTE	10.70	13.53	13.26	300.00	1090.00	3700.00	1090.00	12.33	1.00	1.00	8.00	0.91	0.033	1.94	O.K	0.02
G1	PISO2	G1P6	MOMENTO	10.70	13.53	13.26	300.00	1090.00	3700.00	1090.00	12.33	1.00	1.00	8.00	0.91	0.033	1.94	O.K	0.02
G1	PISO2	G1P7	AXIAL	340.63	267.49	119.04	300.00	4390.00	3700.00	4390.00	12.33	1.00	1.00	8.00	0.91	0.259	1.94	O.K	0.13
G1	PISO2	G1P7	CORTANTE	340.63	267.49	119.04	300.00	4390.00	3700.00	4390.00	12.33	1.00	1.00	8.00	0.91	0.259	1.94	O.K	0.13
G1	PISO2	G1P7	MOMENTO	340.63	267.49	119.04	300.00	4390.00	3700.00	4390.00	12.33	1.00	1.00	8.00	0.91	0.259	1.94	O.K	0.13
G1	PISO2	G1P8	AXIAL	348.74	292.69	105.89	300.00	4560.00	3700.00	4560.00	12.33	1.00	1.00	8.00	0.91	0.255	1.94	O.K	0.13
G1	PISO2	G1P8	CORTANTE	82.42	289.72	123.74	300.00	4560.00	3700.00	4560.00	12.33	1.00	1.00	8.00	0.91	0.060	1.94	O.K	0.03
G1	PISO2	G1P8	MOMENTO	348.74	292.69	105.89	300.00	4560.00	3700.00	4560.00	12.33	1.00	1.00	8.00	0.91	0.255	1.94	O.K	0.13
G1	PISO2	G1P9	AXIAL	175.24	24.70	20.32	300.00	2250.00	3700.00	2250.00	12.33	1.00	1.00	8.00	0.91	0.260	1.94	O.K	0.13
G1	PISO2	G1P9	CORTANTE	171.53	66.50	37.02	300.00	2250.00	3700.00	2250.00	12.33	1.00	1.00	8.00	0.91	0.254	1.94	O.K	0.13
G1	PISO2	G1P9	MOMENTO	171.53	66.50	37.02	300.00	2250.00	3700.00	2250.00	12.33	1.00	1.00	8.00	0.91	0.254	1.94	O.K	0.13
G1	PISO2	G1P10	AXIAL	132.27	4.37	9.88	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.441	1.94	O.K	0.23
G1	PISO2	G1P10	CORTANTE	103.52	10.43	13.74	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.345	1.94	O.K	0.18
G1	PISO2	G1P10	MOMENTO	103.52	10.43	13.74	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.345	1.94	O.K	0.18
G1	PISO2	G1P11	AXIAL	85.65	3.69	3.22	300.00	1096.67	3700.00	1096.67	12.33	1.00	1.00	8.00	0.91	0.260	1.94	O.K	0.13
G1	PISO2	G1P11	CORTANTE	65.45	11.74	7.82	300.00	1096.67	3700.00	1096.67	12.33	1.00	1.00	8.00	0.91	0.199	1.94	O.K	0.10
G1	PISO2	G1P11	MOMENTO	65.45	11.74	7.82	300.00	1096.67	3700.00	1096.67	12.33	1.00	1.00	8.00	0.91	0.199	1.94	O.K	0.10
G1	PISO2	G1P12	AXIAL	184.47	12.23	19.53	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.439	1.94	O.K	0.23
G1	PISO2	G1P12	CORTANTE	158.66	24.56	26.10	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.378	1.94	O.K	0.19
G1	PISO2	G1P12	MOMENTO	157.60	25.56	24.50	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.375	1.94	O.K	0.19
G1	PISO2	G1P13	AXIAL	182.55	4.08	8.50	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.435	1.94	O.K	0.22
G1	PISO2	G1P13	CORTANTE	40.80	24.14	25.39	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.097	1.94	O.K	0.05
G1	PISO2	G1P13	MOMENTO	1.76	25.25	23.83	300.00	1400.00	3700.00	1400.00	12.33	1.00	1.00	8.00	0.91	0.004	1.94	O.K	0.00
G1	PISO2	G1P14	AXIAL	399.14	2.59	1.44	300.00	6570.00	3700.00	6570.00	12.33	1.00	1.00	8.00	0.91	0.203	1.94	O.K	0.10
G1	PISO2	G1P14	CORTANTE	332.64	825.20	145.90	300.00	6570.00	3700.00	6570.00	12.33	1.00	1.00	8.00	0.91	0.169	1.94	O.K	0.09
G1	PISO2	G1P14	MOMENTO	319.60	827.52	144.07	300.00	6570.00	3700.00	6570.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P15	AXIAL	111.43	2.28	5.91	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.437	1.94	O.K	0.22
G1	PISO2	G1P15	CORTANTE	9.51	8.21	11.96	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.037	1.94	O.K	0.02
G1	PISO2	G1P15	MOMENTO	9.51	8.21	11.96	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.037	1.94	O.K	0.02
G1	PISO2	G1P16	AXIAL	111.34	3.85	7.75	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.437	1.94	O.K	0.22
G1	PISO2	G1P16	CORTANTE	71.25	8.47	10.65	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.279	1.94	O.K	0.14
G1	PISO2	G1P16	MOMENTO	71.25	8.47	10.65	300.00	850.00	3700.00	850.00	12.33	1.00	1.00	8.00	0.91	0.279	1.94	O.K	0.14
G1	PISO2	G1P17	AXIAL	382.08	1.42	0.31	300.00	5920.00	3700.00	5920.00	12.33	1.00	1.00	8.00	0.91	0.215	1.94	O.K	0.11
G1	PISO2	G1P17	CORTANTE	315.87	668.03	121.99	300.00	5920.00	3700.00	5920.00	12.33	1.00	1.00	8.00	0.91	0.178	1.94	O.K	0.09
G1	PISO2	G1P17	MOMENTO	303.24	671.22	120.62	300.00	5920.00	3700.00	5920.00	12.33	1.00	1.00	8.00	0.91	0.171	1.94	O.K	0.09
G1	PISO2	G1P18	AXIAL	432.08	205.60	63.35	300.00	5060.00	3700.00	5060.00	12.33	1.00	1.00	8.00	0.91	0.285	1.94	O.K	0.15
G1	PISO2	G1P18	CORTANTE	407.97	425.41	125.73	300.00	5060.00	3700.00	5060.00	12.33	1.00	1.00	8.00	0.91	0.269	1.94	O.K	0.14
G1	PISO2	G1P18	MOMENTO	100.63	441.23	117.61	300.00	5060.00	3700.00	5060.00	12.33	1.00	1.00	8.00	0.91	0.066	1.94	O.K	0.03

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO									COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	α_c	α_s	$\phi_c \phi_f f'm$	fa	fa	$F'a_{adm}$	$fa<=F'a_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	PISO2	G1P19	AXIAL	151.59	18.38	25.96	300.00	1150.00	3700.00	1150.00	12.33	1.00	1.00	8.00	0.91	0.439	1.94	O.K	0.23
G1	PISO2	G1P19	CORTANTE	151.59	18.38	25.96	300.00	1150.00	3700.00	1150.00	12.33	1.00	1.00	8.00	0.91	0.439	1.94	O.K	0.23
G1	PISO2	G1P19	MOMENTO	151.59	18.38	25.96	300.00	1150.00	3700.00	1150.00	12.33	1.00	1.00	8.00	0.91	0.439	1.94	O.K	0.23
G1	PISO2	G1P20	AXIAL	287.11	144.00	58.56	300.00	3752.57	3700.00	3752.57	12.33	1.00	1.00	8.00	0.91	0.255	1.94	O.K	0.13
G1	PISO2	G1P20	CORTANTE	108.21	171.71	92.30	300.00	3752.57	3700.00	3752.57	12.33	1.00	1.00	8.00	0.91	0.096	1.94	O.K	0.05
G1	PISO2	G1P20	MOMENTO	108.21	171.71	92.30	300.00	3752.57	3700.00	3752.57	12.33	1.00	1.00	8.00	0.91	0.096	1.94	O.K	0.05
G1	PISO2	G1P21	AXIAL	306.74	156.62	59.65	300.00	3895.50	3700.00	3895.50	12.33	1.00	1.00	8.00	0.91	0.262	1.94	O.K	0.13
G1	PISO2	G1P21	CORTANTE	285.77	183.41	93.39	300.00	3895.50	3700.00	3895.50	12.33	1.00	1.00	8.00	0.91	0.245	1.94	O.K	0.13
G1	PISO2	G1P21	MOMENTO	285.77	183.41	93.39	300.00	3895.50	3700.00	3895.50	12.33	1.00	1.00	8.00	0.91	0.245	1.94	O.K	0.13
G1	PISO2	G1P22	AXIAL	139.82	4.03	6.94	300.00	1050.00	3700.00	1050.00	12.33	1.00	1.00	8.00	0.91	0.444	1.94	O.K	0.23
G1	PISO2	G1P22	CORTANTE	32.40	15.67	23.15	300.00	1050.00	3700.00	1050.00	12.33	1.00	1.00	8.00	0.91	0.103	1.94	O.K	0.05
G1	PISO2	G1P22	MOMENTO	32.40	15.67	23.15	300.00	1050.00	3700.00	1050.00	12.33	1.00	1.00	8.00	0.91	0.103	1.94	O.K	0.05
G1	PISO2	G1P23	AXIAL	400.23	6.42	2.76	300.00	6420.00	3700.00	6420.00	12.33	1.00	1.00	8.00	0.91	0.208	1.94	O.K	0.11
G1	PISO2	G1P23	CORTANTE	330.27	795.49	139.58	300.00	6420.00	3700.00	6420.00	12.33	1.00	1.00	8.00	0.91	0.171	1.94	O.K	0.09
G1	PISO2	G1P23	MOMENTO	322.25	801.37	136.66	300.00	6420.00	3700.00	6420.00	12.33	1.00	1.00	8.00	0.91	0.167	1.94	O.K	0.09
G1	PISO2	G1P24	AXIAL	247.47	26.91	31.31	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.375	1.94	O.K	0.19
G1	PISO2	G1P24	CORTANTE	221.63	66.43	42.44	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.336	1.94	O.K	0.17
G1	PISO2	G1P24	MOMENTO	221.63	66.43	42.44	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.336	1.94	O.K	0.17
G1	PISO2	G1P25	AXIAL	309.82	48.34	35.70	300.00	2900.00	3700.00	2900.00	12.33	1.00	1.00	8.00	0.91	0.356	1.94	O.K	0.18
G1	PISO2	G1P25	CORTANTE	21.92	122.01	55.39	300.00	2900.00	3700.00	2900.00	12.33	1.00	1.00	8.00	0.91	0.025	1.94	O.K	0.01
G1	PISO2	G1P25	MOMENTO	21.92	122.01	55.39	300.00	2900.00	3700.00	2900.00	12.33	1.00	1.00	8.00	0.91	0.025	1.94	O.K	0.01
G1	PISO2	G1P26	AXIAL	74.03	0.18	0.15	300.00	800.00	3700.00	800.00	12.33	1.00	1.00	8.00	0.91	0.308	1.94	O.K	0.16
G1	PISO2	G1P26	CORTANTE	52.56	5.46	5.31	300.00	800.00	3700.00	800.00	12.33	1.00	1.00	8.00	0.91	0.219	1.94	O.K	0.11
G1	PISO2	G1P26	MOMENTO	52.56	5.46	5.31	300.00	800.00	3700.00	800.00	12.33	1.00	1.00	8.00	0.91	0.219	1.94	O.K	0.11
G1	PISO2	G1P27	AXIAL	192.93	55.94	32.89	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.274	1.94	O.K	0.14
G1	PISO2	G1P27	CORTANTE	190.00	73.35	39.24	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.270	1.94	O.K	0.14
G1	PISO2	G1P27	MOMENTO	190.00	73.35	39.24	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.270	1.94	O.K	0.14
G1	PISO2	G1P28	AXIAL	191.16	54.59	22.39	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.271	1.94	O.K	0.14
G1	PISO2	G1P28	CORTANTE	49.67	74.40	37.05	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.070	1.94	O.K	0.04
G1	PISO2	G1P28	MOMENTO	49.67	74.40	37.05	300.00	2350.00	3700.00	2350.00	12.33	1.00	1.00	8.00	0.91	0.070	1.94	O.K	0.04
G1	PISO2	G1P29	AXIAL	82.38	0.09	0.07	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.305	1.94	O.K	0.16
G1	PISO2	G1P29	CORTANTE	59.39	6.58	5.48	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.220	1.94	O.K	0.11
G1	PISO2	G1P29	MOMENTO	59.39	6.58	5.48	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.220	1.94	O.K	0.11
G1	PISO2	G1P30	AXIAL	292.74	60.57	30.57	300.00	3000.00	3700.00	3000.00	12.33	1.00	1.00	8.00	0.91	0.325	1.94	O.K	0.17
G1	PISO2	G1P30	CORTANTE	273.78	134.38	55.68	300.00	3000.00	3700.00	3000.00	12.33	1.00	1.00	8.00	0.91	0.304	1.94	O.K	0.16
G1	PISO2	G1P30	MOMENTO	273.78	134.38	55.68	300.00	3000.00	3700.00	3000.00	12.33	1.00	1.00	8.00	0.91	0.304	1.94	O.K	0.16
G1	PISO2	G1P31	AXIAL	236.58	22.67	14.85	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.358	1.94	O.K	0.18
G1	PISO2	G1P31	CORTANTE	7.06	67.12	39.65	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.011	1.94	O.K	0.01
G1	PISO2	G1P31	MOMENTO	7.06	67.12	39.65	300.00	2200.00	3700.00	2200.00	12.33	1.00	1.00	8.00	0.91	0.011	1.94	O.K	0.01
G1	PISO2	G1P32	AXIAL	464.57	374.29	78.15	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.173	1.94	O.K	0.09
G1	PISO2	G1P32	CORTANTE	332.72	796.14	327.32	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.124	1.94	O.K	0.06
G1	PISO2	G1P32	MOMENTO	406.80	964.52	302.56	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.152	1.94	O.K	0.08
G1	PISO2	G1P33	AXIAL	395.60	181.22	56.01	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.211	1.94	O.K	0.11
G1	PISO2	G1P33	CORTANTE	360.40	535.68	185.93	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.192	1.94	O.K	0.10
G1	PISO2	G1P33	MOMENTO	360.40	535.68	185.93	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.192	1.94	O.K	0.10
G1	PISO2	G1P34	AXIAL	502.78	232.03	69.33	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.268	1.94	O.K	0.14
G1	PISO2	G1P34	CORTANTE	235.69	479.37	202.63	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.126	1.94	O.K	0.06
G1	PISO2	G1P34	MOMENTO	371.71	502.08	198.00	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.198	1.94	O.K	0.10
G1	PISO2	G1P35	AXIAL	396.67	403.25	156.95	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.197	1.94	O.K	0.10
G1	PISO2	G1P35	CORTANTE	369.17	553.62	205.60	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.184	1.94	O.K	0.09
G1	PISO2	G1P35	MOMENTO	284.17	568.64	199.94	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.141	1.94	O.K	0.07
G1	PISO2	G1P36	AXIAL	170.93	89.04	37.77	300.00	2500.00	3700.00	2500.00	12.33	1.00	1.00	8.00	0.91	0.228	1.94	O.K	0.12
G1	PISO2	G1P36	CORTANTE	170.93	89.04	37.77	300.00	2500.00	3700.00	2500.00	12.33	1.00	1.00	8.00	0.91	0.228	1.94	O.K	0.12
G1	PISO2	G1P36	MOMENTO	170.93	89.04	37.77	300.00	2500.00	3700.00	2500.00	12.33	1.00	1.00	8.00	0.91	0.228	1.94	O.K	0.12
G1	PISO2	G1P37	AXIAL	138.41	3.91	9.80	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.444	1.94	O.K	0.23
G1	PISO2	G1P37	CORTANTE	92.79	9.53	10.86	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.297	1.94	O.K	0.15
G1	PISO2	G1P37	MOMENTO	2.42	10.22	10.56	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.008	1.94	O.K	0.00
G1	PISO2	G1P38	AXIAL	104.01	0.56	0.88	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P38	CORTANTE	76.31	23.80	10.50	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.164	1.94	O.K	0.08
G1	PISO2	G1P38	MOMENTO	76.81	23.83	10.22	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G1	PISO2	G1P39	AXIAL	102.37	0.96	1.30	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.220	1.94	O.K	0.11
G1	PISO2	G1P39	CORTANTE	75.84	23.84	10.55	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.163	1.94	O.K	0.08
G1	PISO2	G1P39	MOMENTO	75.84	23.84	10.55	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.163	1.94	O.K	0.08
G1	PISO2	G1P40	AXIAL	103.70	1.32	1.73	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.217	1.94	O.K	0.11
G1	PISO2	G1P40	CORTANTE	77.39	25.58	11.13	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P40	MOMENTO	77.39	25.58	11.13	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P41	AXIAL	104.18	1.31	1.72	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.218	1.94	O.K	0.11
G1	PISO2	G1P41	CORTANTE	77.50	25.57	11.13	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P41	MOMENTO	77.50	25.57	11.13	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P42	AXIAL	130.54	8.16	10.30	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.320	1.94	O.K	0.16
G1	PISO2	G1P42	CORTANTE	3.88	20.48	19.54	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.010	1.94	O.K	0.00
G1	PISO2	G1P42	MOMENTO	3.88	20.48	19.54	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.010	1.94	O.K	0.00

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	α_c	α_s	$\phi_c \phi_f m$	fa	fa	$F'a_{adm}$	$fa<=F'a_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G1	PISO2	G1P43	AXIAL	417.39	469.32	115.43	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.222	1.94	O.K	0.11
G1	PISO2	G1P43	CORTANTE	415.12	614.68	154.56	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.221	1.94	O.K	0.11
G1	PISO2	G1P43	MOMENTO	415.12	614.68	154.56	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.221	1.94	O.K	0.11
G1	PISO2	G1P44	AXIAL	268.53	129.05	68.81	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.266	1.94	O.K	0.14
G1	PISO2	G1P44	CORTANTE	267.03	157.81	92.87	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.247	1.94	O.K	0.13
G1	PISO2	G1P44	MOMENTO	267.03	157.81	92.87	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.247	1.94	O.K	0.13
G1	PISO2	G1P45	AXIAL	152.98	9.47	13.32	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.425	1.94	O.K	0.22
G1	PISO2	G1P45	CORTANTE	140.90	15.34	17.06	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.391	1.94	O.K	0.20
G1	PISO2	G1P45	MOMENTO	16.57	16.04	16.49	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.046	1.94	O.K	0.02
G1	PISO2	G1P46	AXIAL	177.82	21.16	16.06	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.277	1.94	O.K	0.14
G1	PISO2	G1P46	CORTANTE	36.67	54.47	31.79	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.057	1.94	O.K	0.03
G1	PISO2	G1P46	MOMENTO	171.32	55.50	29.57	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.267	1.94	O.K	0.14
G1	PISO2	G1P47	AXIAL	287.72	129.93	65.38	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.266	1.94	O.K	0.14
G1	PISO2	G1P47	CORTANTE	110.28	138.70	89.03	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.102	1.94	O.K	0.05
G1	PISO2	G1P47	MOMENTO	266.33	159.14	88.74	300.00	3610.00	3700.00	3610.00	12.33	1.00	1.00	8.00	0.91	0.246	1.94	O.K	0.13
G1	PISO2	G1P48	AXIAL	151.65	8.97	12.34	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.421	1.94	O.K	0.22
G1	PISO2	G1P48	CORTANTE	136.91	15.24	16.45	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.380	1.94	O.K	0.20
G1	PISO2	G1P48	MOMENTO	136.91	15.24	16.45	300.00	1200.00	3700.00	1200.00	12.33	1.00	1.00	8.00	0.91	0.380	1.94	O.K	0.20
G1	PISO2	G1P49	AXIAL	176.21	21.81	13.81	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.274	1.94	O.K	0.14
G1	PISO2	G1P49	CORTANTE	40.38	54.64	29.76	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.063	1.94	O.K	0.03
G1	PISO2	G1P49	MOMENTO	168.58	55.30	27.59	300.00	2140.00	3700.00	2140.00	12.33	1.00	1.00	8.00	0.91	0.263	1.94	O.K	0.14
G1	PISO2	G1P50	AXIAL	139.56	4.18	10.20	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.447	1.94	O.K	0.23
G1	PISO2	G1P50	CORTANTE	92.77	9.45	10.69	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.297	1.94	O.K	0.15
G1	PISO2	G1P50	MOMENTO	3.02	10.20	10.49	300.00	1040.00	3700.00	1040.00	12.33	1.00	1.00	8.00	0.91	0.010	1.94	O.K	0.00
G1	PISO2	G1P51	AXIAL	106.28	0.69	0.97	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.229	1.94	O.K	0.12
G1	PISO2	G1P51	CORTANTE	77.01	22.95	10.27	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P51	MOMENTO	77.01	22.95	10.27	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.166	1.94	O.K	0.09
G1	PISO2	G1P52	AXIAL	104.57	1.13	1.43	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P52	CORTANTE	76.56	23.01	10.33	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G1	PISO2	G1P52	MOMENTO	76.56	23.01	10.33	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G1	PISO2	G1P53	AXIAL	105.89	1.53	1.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.222	1.94	O.K	0.11
G1	PISO2	G1P53	CORTANTE	78.11	24.69	10.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.164	1.94	O.K	0.08
G1	PISO2	G1P53	MOMENTO	78.11	24.69	10.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.164	1.94	O.K	0.08
G1	PISO2	G1P54	AXIAL	106.39	1.51	1.88	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.223	1.94	O.K	0.11
G1	PISO2	G1P54	CORTANTE	78.23	24.69	10.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.164	1.94	O.K	0.08
G1	PISO2	G1P54	MOMENTO	78.23	24.69	10.90	300.00	1590.00	3700.00	1590.00	12.33	1.00	1.00	8.00	0.91	0.164	1.94	O.K	0.08
G1	PISO2	G1P55	AXIAL	128.60	6.58	8.57	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.315	1.94	O.K	0.16
G1	PISO2	G1P55	CORTANTE	2.53	19.31	18.58	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.006	1.94	O.K	0.00
G1	PISO2	G1P55	MOMENTO	2.53	19.31	18.58	300.00	1360.00	3700.00	1360.00	12.33	1.00	1.00	8.00	0.91	0.006	1.94	O.K	0.00
G1	PISO2	G1P56	AXIAL	425.46	636.01	152.72	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.227	1.94	O.K	0.12
G1	PISO2	G1P56	CORTANTE	425.46	636.01	152.72	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.227	1.94	O.K	0.12
G1	PISO2	G1P56	MOMENTO	425.46	636.01	152.72	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.227	1.94	O.K	0.12
G1	PISO2	G1P57	AXIAL	193.06	86.68	40.52	300.00	2610.00	3700.00	2610.00	12.33	1.00	1.00	8.00	0.91	0.247	1.94	O.K	0.13
G1	PISO2	G1P57	CORTANTE	193.06	86.68	40.52	300.00	2610.00	3700.00	2610.00	12.33	1.00	1.00	8.00	0.91	0.247	1.94	O.K	0.13
G1	PISO2	G1P57	MOMENTO	193.06	86.68	40.52	300.00	2610.00	3700.00	2610.00	12.33	1.00	1.00	8.00	0.91	0.247	1.94	O.K	0.13
G1	PISO2	G1P58	AXIAL	449.60	517.07	122.76	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.224	1.94	O.K	0.12
G1	PISO2	G1P58	CORTANTE	443.31	698.48	160.73	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.221	1.94	O.K	0.11
G1	PISO2	G1P58	MOMENTO	443.31	698.48	160.73	300.00	6700.00	3700.00	6700.00	12.33	1.00	1.00	8.00	0.91	0.221	1.94	O.K	0.11
G1	PISO2	G1P59	AXIAL	512.95	201.65	68.90	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.273	1.94	O.K	0.14
G1	PISO2	G1P59	CORTANTE	238.15	411.36	190.73	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.127	1.94	O.K	0.07
G1	PISO2	G1P59	MOMENTO	381.09	431.28	186.31	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.203	1.94	O.K	0.10
G1	PISO2	G1P60	AXIAL	464.40	342.27	62.36	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.173	1.94	O.K	0.09
G1	PISO2	G1P60	CORTANTE	328.04	783.33	268.49	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.122	1.94	O.K	0.06
G1	PISO2	G1P60	MOMENTO	400.94	916.16	264.65	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.150	1.94	O.K	0.08
G1	PISO2	G1P61	AXIAL	421.79	595.67	144.97	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P61	CORTANTE	421.79	595.67	144.97	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P61	MOMENTO	421.79	595.67	144.97	300.00	6260.00	3700.00	6260.00	12.33	1.00	1.00	8.00	0.91	0.225	1.94	O.K	0.12
G1	PISO2	G1P62	AXIAL	327.79	2.89	2.49	300.00	5280.00	3700.00	5280.00	12.33	1.00	1.00	8.00	0.91	0.207	1.94	O.K	0.11
G1	PISO2	G1P62	CORTANTE	272.80	512.91	103.14	300.00	5280.00	3700.00	5280.00	12.33	1.00	1.00	8.00	0.91	0.172	1.94	O.K	0.09
G1	PISO2	G1P62	MOMENTO	257.36	515.14	100.63	300.00	5280.00	3700.00	5280.00	12.33	1.00	1.00	8.00	0.91	0.162	1.94	O.K	0.08
G1	PISO2	G1P63	AXIAL	242.17	18.68	8.12	300.00	2106.67	3700.00	2106.67	12.33	1.00	1.00	8.00	0.91	0.383	1.94	O.K	0.20
G1	PISO2	G1P63	CORTANTE	47.58	58.47	23.53	300.00	2106.67	3700.00	2106.67	12.33	1.00	1.00	8.00	0.91	0.075	1.94	O.K	0.04
G1	PISO2	G1P63	MOMENTO	47.58	58.47	23.53	300.00	2106.67	3700.00	2106.67	12.33	1.00	1.00	8.00	0.91	0.075	1.94	O.K	0.04
G1	PISO2	G1P64	AXIAL	141.65	2.71	3.59	300.00	2290.00	3700.00	2290.00	12.33	1.00	1.00	8.00	0.91	0.206	1.94	O.K	0.11
G1	PISO2	G1P64	CORTANTE	115.48	70.79	25.18	300.00	2290.00	3700.00	2290.00	12.33	1.00	1.00	8.00	0.91	0.168	1.94	O.K	0.09
G1	PISO2	G1P64	MOMENTO	115.48	70.79	25.18	300.00	2290.00	3700.00	2290.00	12.33	1.00	1.00	8.00	0.91	0.168	1.94	O.K	0.09
G1	PISO2	G1P65	AXIAL	424.88	211.32	62.84	300.00	5250.00	3700.00	5250.00	12.33	1.00	1.00	8.00	0.91	0.270	1.94	O.K	0.14
G1	PISO2	G1P65	CORTANTE	114.07	451.58	132.80	300.00	5250.00	3700.00	5250.00	12.33	1.00	1.00	8.00	0.91	0.072	1.94	O.K	0.04
G1	PISO2	G1P65	MOMENTO	417.35	465.67	127.46	300.00	5250.00	3700.00	5250.00	12.33	1.00	1.00	8.00	0.91	0.265	1.94	O.K	0.14

	PROYECTO: ALCALDIA LOCAL DE BARRIOS UNIDOS	FECHA: 12/05/2022
	PRESENTADO POR: IVAN MAURICIO GUEVARA	No. P. P-22-696
ELE	ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 2 DE 2 - CARGAS GRAVITACIONALES + SISMO	





ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c (mm)	I (mm⁴)	fb (Mpa)	Fb adm (Mpa)	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	(Fa/Fa adm)+(Fb/Fb adm)		AXIAL CM KN	fam (Mpa)	fv (Mpa)	Fv adm (Mpa)	fv<=Fv adm	INDICE DE SOBRE ESFUERZO
G1	CUBIERTA	G1P1	7205.00	748052280250000.00	0.12	3.51	O.K	0.03	0.07	O.k	310.55	0.07	0.06	0.11	O.k	0.52
G1	CUBIERTA	G1P1	7205.00	748052280250000.00	0.19	3.51	O.K	0.05	0.09	O.k	310.55	0.07	0.17	0.11	O.k	1.52
G1	CUBIERTA	G1P1	7205.00	748052280250000.00	0.19	3.51	O.K	0.05	0.09	O.k	310.55	0.07	0.17	0.11	O.k	1.52
G1	CUBIERTA	G1P2	425.00	15353125000.00	0.69	3.51	O.K	0.20	0.29	O.k	9.37	0.04	0.10	0.10	O.k	0.95
G1	CUBIERTA	G1P2	425.00	15353125000.00	0.97	3.51	O.K	0.28	0.30	O.k	9.37	0.04	0.14	0.10	O.k	1.39
G1	CUBIERTA	G1P2	425.00	15353125000.00	0.97	3.51	O.K	0.28	0.29	O.k	9.37	0.04	0.12	0.10	O.k	1.15
G1	CUBIERTA	G1P3	705.00	70080525000.00	0.34	3.51	O.K	0.10	0.19	O.k	28.65	0.07	0.01	0.11	O.k	0.05
G1	CUBIERTA	G1P3	705.00	70080525000.00	0.49	3.51	O.K	0.14	0.14	O.k	28.65	0.07	0.12	0.11	O.k	1.08
G1	CUBIERTA	G1P3	705.00	70080525000.00	0.49	3.51	O.K	0.14	0.14	O.k	28.65	0.07	0.12	0.11	O.k	1.08
G1	CUBIERTA	G1P4	905.00	148243525000.00	0.35	3.51	O.K	0.10	0.19	O.k	38.66	0.07	0.08	0.11	O.k	0.70
G1	CUBIERTA	G1P4	905.00	148243525000.00	0.42	3.51	O.K	0.12	0.18	O.k	38.66	0.07	0.10	0.11	O.k	0.89
G1	CUBIERTA	G1P4	905.00	148243525000.00	0.42	3.51	O.K	0.12	0.18	O.k	38.66	0.07	0.10	0.11	O.k	0.89
G1	CUBIERTA	G1P5	425.00	15353125000.00	0.51	3.51	O.K	0.14	0.25	O.k	10.78	0.04	0.02	0.11	O.k	0.17
G1	CUBIERTA	G1P5	425.00	15353125000.00	0.88	3.51	O.K	0.25	0.28	O.k	10.78	0.04	0.13	0.11	O.k	1.21
G1	CUBIERTA	G1P5	425.00	15353125000.00	0.88	3.51	O.K	0.25	0.28	O.k	10.78	0.04	0.13	0.11	O.k	1.21
G1	CUBIERTA	G1P6	545.00	32375725000.00	0.15	3.51	O.K	0.04	0.11	O.k	22.85	0.07	0.02	0.11	O.k	0.14
G1	CUBIERTA	G1P6	545.00	32375725000.00	0.17	3.51	O.K	0.05	0.06	O.k	22.85	0.07	0.06	0.11	O.k	0.49
G1	CUBIERTA	G1P6	545.00	32375725000.00	0.17	3.51	O.K	0.05	0.06	O.k	22.85	0.07	0.06	0.11	O.k	0.49
G1	CUBIERTA	G1P7	2195.00	211511297500.00	0.27	3.51	O.K	0.08	0.14	O.k	110.37	0.08	0.12	0.12	O.k	1.04
G1	CUBIERTA	G1P7	2195.00	211511297500.00	0.18	3.51	O.K	0.05	0.07	O.k	110.37	0.08	0.12	0.12	O.k	1.06
G1	CUBIERTA	G1P7	2195.00	211511297500.00	0.27	3.51	O.K	0.08	0.14	O.k	110.37	0.08	0.12	0.12	O.k	1.04
G1	CUBIERTA	G1P8	2280.00	237047040000.00	0.27	3.51	O.K	0.08	0.14	O.k	111.51	0.08	0.12	0.12	O.k	1.07
G1	CUBIERTA	G1P8	2280.00	237047040000.00	0.17	3.51	O.K	0.05	0.07	O.k	111.51	0.08	0.13	0.12	O.k	1.11
G1	CUBIERTA	G1P8	2280.00	237047040000.00	0.27	3.51	O.K	0.08	0.14	O.k	111.51	0.08	0.12	0.12	O.k	1.07
G1	CUBIERTA	G1P9	1125.00	28476562500.00	0.17	3.51	O.K	0.05	0.11	O.k	51.66	0.08	0.03	0.11	O.k	0.23
G1	CUBIERTA	G1P9	1125.00	28476562500.00	0.14	3.51	O.K	0.04	0.08	O.k	51.66	0.08	0.05	0.11	O.k	0.46
G1	CUBIERTA	G1P9	1125.00	28476562500.00	0.22	3.51	O.K	0.06	0.12	O.k	51.66	0.08	0.05	0.11	O.k	0.40
G1	CUBIERTA	G1P10	500.00	25000000000.00	0.33	3.51	O.K	0.09	0.20	O.k	21.25	0.07	0.05	0.11	O.k	0.48
G1	CUBIERTA	G1P10	500.00	25000000000.00	0.37	3.51	O.K	0.11	0.19	O.k	21.25	0.07	0.08	0.11	O.k	0.75
G1	CUBIERTA	G1P10	500.00	25000000000.00	0.37	3.51	O.K	0.11	0.19	O.k	21.25	0.07	0.08	0.11	O.k	0.75
G1	CUBIERTA	G1P11	548.34	32973718411.10	0.27	3.51	O.K	0.08	0.14	O.k	31.87	0.10	0.02	0.12	O.k	0.16
G1	CUBIERTA	G1P11	548.34	32973718411.10	0.29	3.51	O.K	0.08	0.14	O.k	31.87	0.10	0.03	0.12	O.k	0.27
G1	CUBIERTA	G1P11	548.34	32973718411.10	0.29	3.51	O.K	0.08	0.14	O.k	31.87	0.10	0.03	0.12	O.k	0.27
G1	CUBIERTA	G1P12	700.00	68600000000.00	0.39	3.51	O.K	0.11	0.21	O.k	29.15	0.07	0.07	0.11	O.k	0.59
G1	CUBIERTA	G1P12	700.00	68600000000.00	0.51	3.51	O.K	0.15	0.21	O.k	29.15	0.07	0.10	0.11	O.k	0.86
G1	CUBIERTA	G1P12	700.00	68600000000.00	0.51	3.51	O.K	0.15	0.21	O.k	29.15	0.07	0.10	0.11	O.k	0.86
G1	CUBIERTA	G1P13	700.00	68600000000.00	0.25	3.51	O.K	0.07	0.17	O.k	29.15	0.07	0.03	0.11	O.k	0.23
G1	CUBIERTA	G1P13	700.00	68600000000.00	0.40	3.51	O.K	0.11	0.12	O.k	29.15	0.07	0.10	0.11	O.k	0.87
G1	CUBIERTA	G1P13	700.00	68600000000.00	0.40	3.51	O.K	0.11	0.12	O.k	29.15	0.07	0.10	0.11	O.k	0.87

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	$fb<=Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	$fv<=Fv_{adm}$	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	CUBIERTA	G1P14	3285.00	708983482500000.00	0.12	3.51	O.K	0.04	0.08	O.k	146.91	0.07	0.02	0.11	O.k	0.20
G1	CUBIERTA	G1P14	3285.00	708983482500000.00	0.26	3.51	O.K	0.07	0.11	O.k	146.91	0.07	0.10	0.11	O.k	0.85
G1	CUBIERTA	G1P14	3285.00	708983482500000.00	0.26	3.51	O.K	0.07	0.11	O.k	146.91	0.07	0.10	0.11	O.k	0.85
G1	CUBIERTA	G1P15	425.00	15353125000.00	0.30	3.51	O.K	0.08	0.20	O.k	16.64	0.07	0.05	0.11	O.k	0.41
G1	CUBIERTA	G1P15	425.00	15353125000.00	0.29	3.51	O.K	0.08	0.10	O.k	16.64	0.07	0.09	0.11	O.k	0.77
G1	CUBIERTA	G1P15	425.00	15353125000.00	0.29	3.51	O.K	0.08	0.10	O.k	16.64	0.07	0.09	0.11	O.k	0.77
G1	CUBIERTA	G1P16	425.00	15353125000.00	0.35	3.51	O.K	0.10	0.20	O.k	16.06	0.06	0.05	0.11	O.k	0.43
G1	CUBIERTA	G1P16	425.00	15353125000.00	0.36	3.51	O.K	0.10	0.17	O.k	16.06	0.06	0.07	0.11	O.k	0.64
G1	CUBIERTA	G1P16	425.00	15353125000.00	0.34	3.51	O.K	0.10	0.15	O.k	16.06	0.06	0.06	0.11	O.k	0.56
G1	CUBIERTA	G1P17	2960.00	5166867200000.00	0.11	3.51	O.K	0.03	0.08	O.k	148.10	0.06	0.00	0.12	O.k	0.00
G1	CUBIERTA	G1P17	2960.00	5166867200000.00	0.26	3.51	O.K	0.07	0.12	O.k	148.10	0.06	0.08	0.12	O.k	0.70
G1	CUBIERTA	G1P17	2960.00	5166867200000.00	0.27	3.51	O.K	0.08	0.12	O.k	148.10	0.06	0.08	0.12	O.k	0.69
G1	CUBIERTA	G1P18	2530.00	3238855400000.00	0.20	3.51	O.K	0.06	0.13	O.k	121.81	0.06	0.08	0.12	O.k	0.67
G1	CUBIERTA	G1P18	2530.00	3238855400000.00	0.29	3.51	O.K	0.08	0.15	O.k	121.81	0.06	0.12	0.12	O.k	1.00
G1	CUBIERTA	G1P18	2530.00	3238855400000.00	0.19	3.51	O.K	0.06	0.07	O.k	121.81	0.06	0.10	0.12	O.k	0.86
G1	CUBIERTA	G1P19	575.00	38021875000.00	0.25	3.51	O.K	0.07	0.17	O.k	27.01	0.06	0.04	0.11	O.k	0.33
G1	CUBIERTA	G1P19	575.00	38021875000.00	0.32	3.51	O.K	0.09	0.19	O.k	27.01	0.06	0.06	0.11	O.k	0.53
G1	CUBIERTA	G1P19	575.00	38021875000.00	0.15	3.51	O.K	0.04	0.05	O.k	27.01	0.06	0.04	0.11	O.k	0.39
G1	CUBIERTA	G1P20	1876.29	1321071779927.49	0.23	3.51	O.K	0.07	0.13	O.k	100.34	0.09	0.06	0.12	O.k	0.51
G1	CUBIERTA	G1P20	1876.29	1321071779927.49	0.26	3.51	O.K	0.08	0.14	O.k	100.34	0.09	0.12	0.12	O.k	1.02
G1	CUBIERTA	G1P20	1876.29	1321071779927.49	0.20	3.51	O.K	0.06	0.09	O.k	100.34	0.09	0.11	0.12	O.k	0.92
G1	CUBIERTA	G1P21	1947.75	1477847545846.87	0.24	3.51	O.K	0.07	0.14	O.k	104.42	0.09	0.05	0.12	O.k	0.40
G1	CUBIERTA	G1P21	1947.75	1477847545846.87	0.20	3.51	O.K	0.06	0.09	O.k	104.42	0.09	0.13	0.12	O.k	1.06
G1	CUBIERTA	G1P21	1947.75	1477847545846.87	0.27	3.51	O.K	0.08	0.14	O.k	104.42	0.09	0.11	0.12	O.k	0.93
G1	CUBIERTA	G1P22	525.00	28940625000.00	0.28	3.51	O.K	0.08	0.19	O.k	26.63	0.06	0.03	0.12	O.k	0.22
G1	CUBIERTA	G1P22	525.00	28940625000.00	0.16	3.51	O.K	0.05	0.06	O.k	26.63	0.06	0.06	0.12	O.k	0.48
G1	CUBIERTA	G1P22	525.00	28940625000.00	0.31	3.51	O.K	0.09	0.18	O.k	26.63	0.06	0.04	0.12	O.k	0.37
G1	CUBIERTA	G1P23	3210.00	6815232200000.00	0.09	3.51	O.K	0.03	0.07	O.k	151.94	0.06	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P23	3210.00	6815232200000.00	0.27	3.51	O.K	0.08	0.12	O.k	151.94	0.06	0.09	0.12	O.k	0.76
G1	CUBIERTA	G1P23	3210.00	6815232200000.00	0.27	3.51	O.K	0.08	0.12	O.k	151.94	0.06	0.09	0.12	O.k	0.75
G1	CUBIERTA	G1P24	1100.00	266200000000.00	0.31	3.51	O.K	0.09	0.17	O.k	50.87	0.06	0.08	0.11	O.k	0.72
G1	CUBIERTA	G1P24	1100.00	266200000000.00	0.39	3.51	O.K	0.11	0.18	O.k	50.87	0.06	0.11	0.11	O.k	0.94
G1	CUBIERTA	G1P24	1100.00	266200000000.00	0.39	3.51	O.K	0.11	0.18	O.k	50.87	0.06	0.11	0.11	O.k	0.94
G1	CUBIERTA	G1P25	1450.00	609725000000.00	0.23	3.51	O.K	0.06	0.15	O.k	75.03	0.09	0.06	0.12	O.k	0.48
G1	CUBIERTA	G1P25	1450.00	609725000000.00	0.15	3.51	O.K	0.04	0.05	O.k	75.03	0.09	0.09	0.12	O.k	0.74
G1	CUBIERTA	G1P25	1450.00	609725000000.00	0.15	3.51	O.K	0.04	0.05	O.k	75.03	0.09	0.09	0.12	O.k	0.74
G1	CUBIERTA	G1P26	400.00	12800000000.00	0.18	3.51	O.K	0.05	0.12	O.k	24.22	0.10	0.01	0.12	O.k	0.08
G1	CUBIERTA	G1P26	400.00	12800000000.00	0.21	3.51	O.K	0.06	0.11	O.k	24.22	0.10	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P26	400.00	12800000000.00	0.21	3.51	O.K	0.06	0.11	O.k	24.22	0.10	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P27	1175.00	324446875000.00	0.26	3.51	O.K	0.07	0.13	O.k	50.54	0.07	0.06	0.11	O.k	0.57
G1	CUBIERTA	G1P27	1175.00	324446875000.00	0.26	3.51	O.K	0.07	0.13	O.k	50.54	0.07	0.06	0.11	O.k	0.57
G1	CUBIERTA	G1P27	1175.00	324446875000.00	0.26	3.51	O.K	0.07	0.13	O.k	50.54	0.07	0.06	0.11	O.k	0.57
G1	CUBIERTA	G1P28	1175.00	324446875000.00	0.22	3.51	O.K	0.06	0.12	O.k	49.97	0.07	0.06	0.11	O.k	0.50
G1	CUBIERTA	G1P28	1175.00	324446875000.00	0.18	3.51	O.K	0.05	0.06	O.k	49.97	0.07	0.07	0.11	O.k	0.58
G1	CUBIERTA	G1P28	1175.00	324446875000.00	0.18	3.51	O.K	0.05	0.06	O.k	49.97	0.07	0.07	0.11	O.k	0.58
G1	CUBIERTA	G1P29	450.00	18225000000.00	0.15	3.51	O.K	0.04	0.11	O.k	28.91	0.11	0.00	0.12	O.k	0.01
G1	CUBIERTA	G1P29	450.00	18225000000.00	0.19	3.51	O.K	0.05	0.11	O.k	28.91	0.11	0.02	0.12	O.k	0.17
G1	CUBIERTA	G1P29	450.00	18225000000.00	0.19	3.51	O.K	0.05	0.11	O.k	28.91	0.11	0.02	0.12	O.k	0.17
G1	CUBIERTA	G1P30	1500.00	675000000000.00	0.23	3.51	O.K	0.07	0.15	O.k	75.32	0.06	0.06	0.12	O.k	0.55
G1	CUBIERTA	G1P30	1500.00	675000000000.00	0.30	3.51	O.K	0.08	0.16	O.k	75.32	0.06	0.09	0.12	O.k	0.75
G1	CUBIERTA	G1P30	1500.00	675000000000.00	0.30	3.51	O.K	0.08	0.16	O.k	75.32	0.06	0.09	0.12	O.k	0.75
G1	CUBIERTA	G1P31	1100.00	266200000000.00	0.18	3.51	O.K	0.05	0.14	O.k	47.59	0.07	0.02	0.11	O.k	0.22
G1	CUBIERTA	G1P31	1100.00	266200000000.00	0.25	3.51	O.K	0.07	0.07	O.k	47.59	0.07	0.10	0.11	O.k	0.87
G1	CUBIERTA	G1P31	1100.00	266200000000.00	0.25	3.51	O.K	0.07	0.07	O.k	47.59	0.07	0.10	0.11	O.k	0.87
G1	CUBIERTA	G1P32	3350.00	7519075000000.00	0.14	3.51	O.K	0.04	0.10	O.k	177.01	0.09	0.06	0.12	O.k	0.48
G1	CUBIERTA	G1P32	3350.00	7519075000000.00	0.23	3.51	O.K	0.07	0.11	O.k	177.01	0.09	0.13	0.12	O.k	1.10
G1	CUBIERTA	G1P32	3350.00	7519075000000.00	0.24	3.51	O.K	0.07	0.11	O.k	177.01	0.09	0.13	0.12	O.k	1.08
G1	CUBIERTA	G1P33	3130.00	6132859400000.00	0.17	3.51	O.K	0.05	0.10	O.k	151.23	0.06	0.05	0.12	O.k	0.47
G1	CUBIERTA	G1P33	3130.00	6132859400000.00	0.23	3.51	O.K	0.07	0.11	O.k	151.23	0.06	0.12	0.12	O.k	1.06
G1	CUBIERTA	G1P33	3130.00	6132859400000.00	0.23	3.51	O.K	0.07	0.11	O.k	151.23	0.06	0.12	0.12	O.k	1.06
G1	CUBIERTA	G1P34	3130.00	6132859400000.00	0.19	3.51	O.K	0.06	0.12	O.k	149.59	0.06	0.06	0.12	O.k	0.49
G1	CUBIERTA	G1P34	3130.00	6132859400000.00	0.20	3.51	O.K	0.06	0.09	O.k	149.59	0.06	0.15	0.12	O.k	1.32
G1	CUBIERTA	G1P34	3130.00	6132859400000.00	0.20	3.51	O.K	0.06	0.09	O.k	149.59	0.06	0.15	0.12	O.k	1.32
G1	CUBIERTA	G1P35	3350.00	7519075000000.00	0.21	3.51	O.K	0.06	0.11	O.k	171.99	0.09	0.11	0.12	O.k	0.98
G1	CUBIERTA	G1P35	3350.00	7519075000000.00	0.24	3.51	O.K	0.07	0.12	O.k	171.99	0.09	0.15	0.12	O.k	1.27
G1	CUBIERTA	G1P35	3350.00	7519075000000.00	0.24	3.51	O.K	0.07	0.12	O.k	171.99	0.09	0.15	0.12	O.k	1.27
G1	CUBIERTA	G1P36	1250.00	390625000000.00	0.20	3.51	O.K	0.06	0.11	O.k	62.39	0.06	0.04	0.12	O.k	0.31
G1	CUBIERTA	G1P36	1250.00	390625000000.00	0.17	3.51	O.K	0.05	0.08	O.k	62.39	0.06	0.05	0.12	O.k	0.42
G1	CUBIERTA	G1P36	1250.00	390625000000.00	0.23	3.51	O.K	0.06	0.12	O.k	62.39	0.06	0.05	0.12	O.k	0.41

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	$fb<=Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	$fv<=Fv_{adm}$	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	CUBIERTA	G1P37	520.00	28121600000.00	0.26	3.51	O.K	0.07	0.18	O.k	22.48	0.07	0.04	0.11	O.k	0.34
G1	CUBIERTA	G1P37	520.00	28121600000.00	0.26	3.51	O.K	0.07	0.14	O.k	22.48	0.07	0.06	0.11	O.k	0.52
G1	CUBIERTA	G1P37	520.00	28121600000.00	0.14	3.51	O.K	0.04	0.05	O.k	22.48	0.07	0.06	0.11	O.k	0.51
G1	CUBIERTA	G1P38	775.00	93096875000.00	0.11	3.51	O.K	0.03	0.08	O.k	37.49	0.06	0.00	0.12	O.k	0.03
G1	CUBIERTA	G1P38	775.00	93096875000.00	0.16	3.51	O.K	0.05	0.09	O.k	37.49	0.06	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P38	775.00	93096875000.00	0.16	3.51	O.K	0.05	0.09	O.k	37.49	0.06	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P39	775.00	93096875000.00	0.11	3.51	O.K	0.03	0.08	O.k	37.25	0.06	0.00	0.12	O.k	0.04
G1	CUBIERTA	G1P39	775.00	93096875000.00	0.16	3.51	O.K	0.05	0.09	O.k	37.25	0.06	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P39	775.00	93096875000.00	0.16	3.51	O.K	0.05	0.09	O.k	37.25	0.06	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P40	795.00	100491975000.00	0.12	3.51	O.K	0.03	0.08	O.k	38.01	0.06	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P40	795.00	100491975000.00	0.16	3.51	O.K	0.05	0.09	O.k	38.01	0.06	0.03	0.12	O.k	0.22
G1	CUBIERTA	G1P40	795.00	100491975000.00	0.17	3.51	O.K	0.05	0.09	O.k	38.01	0.06	0.02	0.12	O.k	0.19
G1	CUBIERTA	G1P41	795.00	100491975000.00	0.12	3.51	O.K	0.03	0.08	O.k	38.08	0.06	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P41	795.00	100491975000.00	0.16	3.51	O.K	0.05	0.09	O.k	38.08	0.06	0.03	0.12	O.k	0.22
G1	CUBIERTA	G1P41	795.00	100491975000.00	0.17	3.51	O.K	0.05	0.09	O.k	38.08	0.06	0.02	0.12	O.k	0.19
G1	CUBIERTA	G1P42	680.00	62886400000.00	0.24	3.51	O.K	0.07	0.15	O.k	31.91	0.06	0.04	0.11	O.k	0.35
G1	CUBIERTA	G1P42	680.00	62886400000.00	0.17	3.51	O.K	0.05	0.05	O.k	31.91	0.06	0.09	0.11	O.k	0.76
G1	CUBIERTA	G1P42	680.00	62886400000.00	0.17	3.51	O.K	0.05	0.05	O.k	31.91	0.06	0.09	0.11	O.k	0.76
G1	CUBIERTA	G1P43	3130.00	613285940000.00	0.24	3.51	O.K	0.07	0.13	O.k	153.26	0.06	0.10	0.12	O.k	0.88
G1	CUBIERTA	G1P43	3130.00	613285940000.00	0.24	3.51	O.K	0.07	0.13	O.k	153.26	0.06	0.10	0.12	O.k	0.88
G1	CUBIERTA	G1P43	3130.00	613285940000.00	0.19	3.51	O.K	0.05	0.08	O.k	153.26	0.06	0.09	0.12	O.k	0.78
G1	CUBIERTA	G1P44	1805.00	117614702500.00	0.17	3.51	O.K	0.05	0.11	O.k	95.55	0.09	0.05	0.12	O.k	0.41
G1	CUBIERTA	G1P44	1805.00	117614702500.00	0.18	3.51	O.K	0.05	0.08	O.k	95.55	0.09	0.13	0.12	O.k	1.10
G1	CUBIERTA	G1P44	1805.00	117614702500.00	0.18	3.51	O.K	0.05	0.08	O.k	95.55	0.09	0.13	0.12	O.k	1.10
G1	CUBIERTA	G1P45	600.00	43200000000.00	0.32	3.51	O.K	0.09	0.20	O.k	35.92	0.10	0.05	0.12	O.k	0.44
G1	CUBIERTA	G1P45	600.00	43200000000.00	0.35	3.51	O.K	0.10	0.20	O.k	35.92	0.10	0.07	0.12	O.k	0.60
G1	CUBIERTA	G1P45	600.00	43200000000.00	0.35	3.51	O.K	0.10	0.20	O.k	35.92	0.10	0.07	0.12	O.k	0.60
G1	CUBIERTA	G1P46	1070.00	245008600000.00	0.18	3.51	O.K	0.05	0.12	O.k	53.24	0.06	0.03	0.12	O.k	0.27
G1	CUBIERTA	G1P46	1070.00	245008600000.00	0.22	3.51	O.K	0.06	0.13	O.k	53.24	0.06	0.05	0.12	O.k	0.42
G1	CUBIERTA	G1P46	1070.00	245008600000.00	0.15	3.51	O.K	0.04	0.06	O.k	53.24	0.06	0.04	0.12	O.k	0.36
G1	CUBIERTA	G1P47	1805.00	117614702500.00	0.17	3.51	O.K	0.05	0.12	O.k	95.13	0.09	0.05	0.12	O.k	0.41
G1	CUBIERTA	G1P47	1805.00	117614702500.00	0.18	3.51	O.K	0.05	0.08	O.k	95.13	0.09	0.13	0.12	O.k	1.13
G1	CUBIERTA	G1P47	1805.00	117614702500.00	0.18	3.51	O.K	0.05	0.08	O.k	95.13	0.09	0.13	0.12	O.k	1.13
G1	CUBIERTA	G1P48	600.00	43200000000.00	0.29	3.51	O.K	0.08	0.20	O.k	35.46	0.10	0.04	0.12	O.k	0.33
G1	CUBIERTA	G1P48	600.00	43200000000.00	0.33	3.51	O.K	0.09	0.19	O.k	35.46	0.10	0.06	0.12	O.k	0.52
G1	CUBIERTA	G1P48	600.00	43200000000.00	0.33	3.51	O.K	0.09	0.19	O.k	35.46	0.10	0.06	0.12	O.k	0.52
G1	CUBIERTA	G1P49	1070.00	245008600000.00	0.19	3.51	O.K	0.05	0.12	O.k	53.90	0.06	0.03	0.12	O.k	0.29
G1	CUBIERTA	G1P49	1070.00	245008600000.00	0.23	3.51	O.K	0.07	0.13	O.k	53.90	0.06	0.05	0.12	O.k	0.43
G1	CUBIERTA	G1P49	1070.00	245008600000.00	0.15	3.51	O.K	0.04	0.06	O.k	53.90	0.06	0.05	0.12	O.k	0.39
G1	CUBIERTA	G1P50	520.00	28121600000.00	0.26	3.51	O.K	0.07	0.18	O.k	22.69	0.07	0.04	0.11	O.k	0.35
G1	CUBIERTA	G1P50	520.00	28121600000.00	0.15	3.51	O.K	0.04	0.05	O.k	22.69	0.07	0.06	0.11	O.k	0.54
G1	CUBIERTA	G1P50	520.00	28121600000.00	0.15	3.51	O.K	0.04	0.05	O.k	22.69	0.07	0.06	0.11	O.k	0.54
G1	CUBIERTA	G1P51	775.00	93096875000.00	0.11	3.51	O.K	0.03	0.08	O.k	37.75	0.06	0.00	0.12	O.k	0.03
G1	CUBIERTA	G1P51	775.00	93096875000.00	0.16	3.51	O.K	0.05	0.09	O.k	37.75	0.06	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P51	775.00	93096875000.00	0.16	3.51	O.K	0.05	0.09	O.k	37.75	0.06	0.02	0.12	O.k	0.21
G1	CUBIERTA	G1P52	775.00	93096875000.00	0.12	3.51	O.K	0.03	0.08	O.k	37.53	0.06	0.00	0.12	O.k	0.04
G1	CUBIERTA	G1P52	775.00	93096875000.00	0.17	3.51	O.K	0.05	0.09	O.k	37.53	0.06	0.03	0.12	O.k	0.22
G1	CUBIERTA	G1P52	775.00	93096875000.00	0.17	3.51	O.K	0.05	0.09	O.k	37.53	0.06	0.03	0.12	O.k	0.22
G1	CUBIERTA	G1P53	795.00	100491975000.00	0.12	3.51	O.K	0.04	0.08	O.k	38.30	0.06	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P53	795.00	100491975000.00	0.17	3.51	O.K	0.05	0.09	O.k	38.30	0.06	0.03	0.12	O.k	0.22
G1	CUBIERTA	G1P53	795.00	100491975000.00	0.18	3.51	O.K	0.05	0.09	O.k	38.30	0.06	0.02	0.12	O.k	0.20
G1	CUBIERTA	G1P54	795.00	100491975000.00	0.12	3.51	O.K	0.04	0.08	O.k	38.36	0.06	0.01	0.12	O.k	0.05
G1	CUBIERTA	G1P54	795.00	100491975000.00	0.17	3.51	O.K	0.05	0.09	O.k	38.36	0.06	0.03	0.12	O.k	0.22
G1	CUBIERTA	G1P54	795.00	100491975000.00	0.18	3.51	O.K	0.05	0.09	O.k	38.36	0.06	0.02	0.12	O.k	0.20
G1	CUBIERTA	G1P55	680.00	62886400000.00	0.26	3.51	O.K	0.07	0.16	O.k	30.82	0.06	0.04	0.11	O.k	0.39
G1	CUBIERTA	G1P55	680.00	62886400000.00	0.17	3.51	O.K	0.05	0.05	O.k	30.82	0.06	0.09	0.11	O.k	0.76
G1	CUBIERTA	G1P55	680.00	62886400000.00	0.17	3.51	O.K	0.05	0.05	O.k	30.82	0.06	0.09	0.11	O.k	0.76
G1	CUBIERTA	G1P56	3130.00	613285940000.00	0.27	3.51	O.K	0.08	0.14	O.k	151.38	0.06	0.12	0.12	O.k	1.03
G1	CUBIERTA	G1P56	3130.00	613285940000.00	0.27	3.51	O.K	0.08	0.14	O.k	151.38	0.06	0.12	0.12	O.k	1.03
G1	CUBIERTA	G1P56	3130.00	613285940000.00	0.22	3.51	O.K	0.06	0.09	O.k	151.38	0.06	0.10	0.12	O.k	0.90
G1	CUBIERTA	G1P57	1305.00	44448952500.00	0.24	3.51	O.K	0.07	0.13	O.k	61.27	0.06	0.05	0.11	O.k	0.42
G1	CUBIERTA	G1P57	1305.00	44448952500.00	0.15	3.51	O.K	0.04	0.06	O.k	61.27	0.06	0.06	0.11	O.k	0.49
G1	CUBIERTA	G1P57	1305.00	44448952500.00	0.24	3.51	O.K	0.07	0.13	O.k	61.27	0.06	0.05	0.11	O.k	0.42
G1	CUBIERTA	G1P58	3350.00	751907500000.00	0.24	3.51	O.K	0.07	0.13	O.k	172.89	0.09	0.09	0.12	O.k	0.76
G1	CUBIERTA	G1P58	3350.00	751907500000.00	0.28	3.51	O.K	0.08	0.14	O.k	172.89	0.09	0.12	0.12	O.k	1.02
G1	CUBIERTA	G1P58	3350.00	751907500000.00	0.28	3.51	O.K	0.08	0.14	O.k	172.89	0.09	0.12	0.12	O.k	1.02
G1	CUBIERTA	G1P59	3130.00	613285940000.00	0.19	3.51	O.K	0.05	0.12	O.k	159.71	0.09	0.05	0.12	O.k	0.43
G1	CUBIERTA	G1P59	3130.00	613285940000.00	0.16	3.51	O.K	0.05	0.08	O.k	159.71	0.09	0.12	0.12	O.k	1.03
G1	CUBIERTA	G1P59	3130.00	613285940000.00	0.16	3.51	O.K	0.05	0.08	O.k	159.71	0.09	0.12	0.12	O.k	1.03

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	$fb<=Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	$fv<=Fv_{adm}$	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	CUBIERTA	G1P60	3350.00	7519075000000.00	0.15	3.51	O.K	0.04	0.10	O.k	175.23	0.09	0.06	0.12	O.k	0.50
G1	CUBIERTA	G1P60	3350.00	7519075000000.00	0.25	3.51	O.K	0.07	0.12	O.k	175.23	0.09	0.13	0.12	O.k	1.14
G1	CUBIERTA	G1P60	3350.00	7519075000000.00	0.26	3.51	O.K	0.07	0.12	O.k	175.23	0.09	0.13	0.12	O.k	1.14
G1	CUBIERTA	G1P61	3130.00	6132859400000.00	0.28	3.51	O.K	0.08	0.14	O.k	147.82	0.08	0.11	0.11	O.k	0.97
G1	CUBIERTA	G1P61	3130.00	6132859400000.00	0.20	3.51	O.K	0.06	0.08	O.k	147.82	0.08	0.11	0.11	O.k	0.97
G1	CUBIERTA	G1P61	3130.00	6132859400000.00	0.28	3.51	O.K	0.08	0.14	O.k	147.82	0.08	0.11	0.11	O.k	0.97
G1	CUBIERTA	G1P62	2640.00	3679946800000.00	0.08	3.51	O.K	0.02	0.07	O.k	118.64	0.07	0.00	0.11	O.k	0.01
G1	CUBIERTA	G1P62	2640.00	3679946800000.00	0.24	3.51	O.K	0.07	0.11	O.k	118.64	0.07	0.08	0.11	O.k	0.69
G1	CUBIERTA	G1P62	2640.00	3679946800000.00	0.23	3.51	O.K	0.07	0.10	O.k	118.64	0.07	0.08	0.11	O.k	0.68
G1	CUBIERTA	G1P63	1053.34	233738116920.27	0.21	3.51	O.K	0.06	0.15	O.k	49.34	0.08	0.02	0.11	O.k	0.14
G1	CUBIERTA	G1P63	1053.34	233738116920.27	0.13	3.51	O.K	0.04	0.05	O.k	49.34	0.08	0.05	0.11	O.k	0.43
G1	CUBIERTA	G1P63	1053.34	233738116920.27	0.13	3.51	O.K	0.04	0.05	O.k	49.34	0.08	0.05	0.11	O.k	0.43
G1	CUBIERTA	G1P64	1145.00	300224725000.00	0.13	3.51	O.K	0.04	0.08	O.k	53.44	0.08	0.01	0.11	O.k	0.08
G1	CUBIERTA	G1P64	1145.00	300224725000.00	0.19	3.51	O.K	0.05	0.09	O.k	53.44	0.08	0.03	0.11	O.k	0.26
G1	CUBIERTA	G1P64	1145.00	300224725000.00	0.19	3.51	O.K	0.05	0.09	O.k	53.44	0.08	0.03	0.11	O.k	0.26
G1	CUBIERTA	G1P65	2625.00	3617578125000.00	0.19	3.51	O.K	0.05	0.12	O.k	126.80	0.08	0.05	0.12	O.k	0.47
G1	CUBIERTA	G1P65	2625.00	3617578125000.00	0.20	3.51	O.K	0.06	0.08	O.k	126.80	0.08	0.11	0.12	O.k	0.99
G1	CUBIERTA	G1P65	2625.00	3617578125000.00	0.20	3.51	O.K	0.06	0.08	O.k	126.80	0.08	0.11	0.12	O.k	0.99
G1	PISO2	G1P1	7205.00	7480522802500.00	0.23	3.51	O.K	0.06	0.15	O.k	643.36	0.15	0.04	0.13	O.k	0.28
G1	PISO2	G1P1	7205.00	7480522802500.00	0.36	3.51	O.K	0.10	0.18	O.k	643.36	0.15	0.15	0.13	O.k	1.09
G1	PISO2	G1P1	7205.00	7480522802500.00	0.36	3.51	O.K	0.10	0.18	O.k	643.36	0.15	0.15	0.13	O.k	1.09
G1	PISO2	G1P2	425.00	15353125000.00	0.63	3.51	O.K	0.18	0.30	O.k	28.74	0.11	0.10	0.12	O.k	0.82
G1	PISO2	G1P2	425.00	15353125000.00	0.65	3.51	O.K	0.19	0.29	O.k	28.74	0.11	0.12	0.12	O.k	0.95
G1	PISO2	G1P2	425.00	15353125000.00	0.65	3.51	O.K	0.19	0.29	O.k	28.74	0.11	0.12	0.12	O.k	0.95
G1	PISO2	G1P3	705.00	70080525000.00	0.48	3.51	O.K	0.14	0.36	O.k	71.28	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P3	705.00	70080525000.00	0.34	3.51	O.K	0.10	0.13	O.k	71.28	0.17	0.08	0.14	O.k	0.60
G1	PISO2	G1P3	705.00	70080525000.00	0.28	3.51	O.K	0.08	0.08	O.k	71.28	0.17	0.07	0.14	O.k	0.54
G1	PISO2	G1P4	905.00	148243525000.00	0.50	3.51	O.K	0.14	0.34	O.k	92.14	0.17	0.05	0.14	O.k	0.40
G1	PISO2	G1P4	905.00	148243525000.00	0.55	3.51	O.K	0.16	0.32	O.k	92.14	0.17	0.08	0.14	O.k	0.55
G1	PISO2	G1P4	905.00	148243525000.00	0.59	3.51	O.K	0.17	0.34	O.k	92.14	0.17	0.07	0.14	O.k	0.54
G1	PISO2	G1P5	425.00	15353125000.00	0.46	3.51	O.K	0.13	0.25	O.k	29.37	0.12	0.05	0.12	O.k	0.41
G1	PISO2	G1P5	425.00	15353125000.00	0.44	3.51	O.K	0.13	0.14	O.k	29.37	0.12	0.11	0.12	O.k	0.88
G1	PISO2	G1P5	425.00	15353125000.00	0.44	3.51	O.K	0.13	0.14	O.k	29.37	0.12	0.11	0.12	O.k	0.88
G1	PISO2	G1P6	545.00	32375725000.00	0.40	3.51	O.K	0.11	0.27	O.k	49.32	0.15	0.03	0.13	O.k	0.24
G1	PISO2	G1P6	545.00	32375725000.00	0.26	3.51	O.K	0.07	0.09	O.k	49.32	0.15	0.05	0.13	O.k	0.38
G1	PISO2	G1P6	545.00	32375725000.00	0.26	3.51	O.K	0.07	0.09	O.k	49.32	0.15	0.05	0.13	O.k	0.38
G1	PISO2	G1P7	2195.00	2115112975000.00	0.54	3.51	O.K	0.15	0.29	O.k	210.77	0.16	0.11	0.14	O.k	0.83
G1	PISO2	G1P7	2195.00	2115112975000.00	0.54	3.51	O.K	0.15	0.29	O.k	210.77	0.16	0.11	0.14	O.k	0.83
G1	PISO2	G1P7	2195.00	2115112975000.00	0.54	3.51	O.K	0.15	0.29	O.k	210.77	0.16	0.11	0.14	O.k	0.83
G1	PISO2	G1P8	2280.00	2370470400000.00	0.54	3.51	O.K	0.15	0.28	O.k	215.58	0.16	0.10	0.14	O.k	0.71
G1	PISO2	G1P8	2280.00	2370470400000.00	0.34	3.51	O.K	0.10	0.13	O.k	215.58	0.16	0.11	0.14	O.k	0.83
G1	PISO2	G1P8	2280.00	2370470400000.00	0.54	3.51	O.K	0.15	0.28	O.k	215.58	0.16	0.10	0.14	O.k	0.71
G1	PISO2	G1P9	1125.00	284765625000.00	0.36	3.51	O.K	0.10	0.24	O.k	100.68	0.15	0.04	0.13	O.k	0.28
G1	PISO2	G1P9	1125.00	284765625000.00	0.52	3.51	O.K	0.15	0.28	O.k	100.68	0.15	0.07	0.13	O.k	0.51
G1	PISO2	G1P9	1125.00	284765625000.00	0.52	3.51	O.K	0.15	0.28	O.k	100.68	0.15	0.07	0.13	O.k	0.51
G1	PISO2	G1P10	500.00	25000000000.00	0.53	3.51	O.K	0.15	0.38	O.k	46.08	0.15	0.04	0.13	O.k	0.31
G1	PISO2	G1P10	500.00	25000000000.00	0.55	3.51	O.K	0.16	0.34	O.k	46.08	0.15	0.06	0.13	O.k	0.42
G1	PISO2	G1P10	500.00	25000000000.00	0.55	3.51	O.K	0.16	0.34	O.k	46.08	0.15	0.06	0.13	O.k	0.42
G1	PISO2	G1P11	548.34	32973716411.10	0.32	3.51	O.K	0.09	0.23	O.k	65.25	0.20	0.01	0.15	O.k	0.08
G1	PISO2	G1P11	548.34	32973716411.10	0.39	3.51	O.K	0.11	0.21	O.k	65.25	0.20	0.03	0.15	O.k	0.20
G1	PISO2	G1P11	548.34	32973716411.10	0.39	3.51	O.K	0.11	0.21	O.k	65.25	0.20	0.03	0.15	O.k	0.20
G1	PISO2	G1P12	700.00	68600000000.00	0.56	3.51	O.K	0.16	0.39	O.k	79.02	0.19	0.06	0.14	O.k	0.40
G1	PISO2	G1P12	700.00	68600000000.00	0.63	3.51	O.K	0.18	0.37	O.k	79.02	0.19	0.08	0.14	O.k	0.54
G1	PISO2	G1P12	700.00	68600000000.00	0.64	3.51	O.K	0.18	0.37	O.k	79.02	0.19	0.07	0.14	O.k	0.51
G1	PISO2	G1P13	700.00	68600000000.00	0.48	3.51	O.K	0.14	0.36	O.k	78.95	0.19	0.03	0.14	O.k	0.18
G1	PISO2	G1P13	700.00	68600000000.00	0.34	3.51	O.K	0.10	0.15	O.k	78.95	0.19	0.08	0.14	O.k	0.52
G1	PISO2	G1P13	700.00	68600000000.00	0.26	3.51	O.K	0.07	0.08	O.k	78.95	0.19	0.07	0.14	O.k	0.49
G1	PISO2	G1P14	3285.00	708983482500.00	0.20	3.51	O.K	0.06	0.16	O.k	326.12	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P14	3285.00	708983482500.00	0.55	3.51	O.K	0.16	0.24	O.k	326.12	0.17	0.09	0.14	O.k	0.67
G1	PISO2	G1P14	3285.00	708983482500.00	0.55	3.51	O.K	0.16	0.24	O.k	326.12	0.17	0.09	0.14	O.k	0.66
G1	PISO2	G1P15	425.00	15353125000.00	0.50	3.51	O.K	0.14	0.37	O.k	37.94	0.15	0.03	0.13	O.k	0.22
G1	PISO2	G1P15	425.00	15353125000.00	0.26	3.51	O.K	0.08	0.09	O.k	37.94	0.15	0.06	0.13	O.k	0.44
G1	PISO2	G1P15	425.00	15353125000.00	0.26	3.51	O.K	0.08	0.09	O.k	37.94	0.15	0.06	0.13	O.k	0.44
G1	PISO2	G1P16	425.00	15353125000.00	0.54	3.51	O.K	0.15	0.38	O.k	38.61	0.15	0.04	0.13	O.k	0.28
G1	PISO2	G1P16	425.00	15353125000.00	0.51	3.51	O.K	0.15	0.29	O.k	38.61	0.15	0.05	0.13	O.k	0.39
G1	PISO2	G1P16	425.00	15353125000.00	0.51	3.51	O.K	0.15	0.29	O.k	38.61	0.15	0.05	0.13	O.k	0.39
G1	PISO2	G1P17	2960.00	5186867200000.00	0.22	3.51	O.K	0.06	0.17	O.k	309.56	0.17	0.00	0.14	O.k	0.00
G1	PISO2	G1P17	2960.00	5186867200000.00	0.56	3.51	O.K	0.16	0.25	O.k	309.56	0.17	0.09	0.14	O.k	0.61
G1	PISO2	G1P17	2960.00	5186867200000.00	0.55	3.51	O.K	0.16	0.25	O.k	309.56	0.17	0.08	0.14	O.k	0.60
G1	PISO2	G1P18	2530.00	3238885400000.00	0.45	3.51	O.K	0.13	0.27	O.k	254.30	0.17	0.05	0.14	O.k	0.38
G1	PISO2	G1P18	2530.00	3238885400000.00	0.60	3.51	O.K	0.17	0.31	O.k	254.30	0.17	0.10	0.14	O.k	0.75
G1	PISO2	G1P18	2530.00	3238885400000.00	0.41	3.51	O.K	0.12	0.15	O.k	254.30	0.17	0.10	0.14	O.k	0.70

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	$fb<=Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	$fv<=Fv_{adm}$	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	PISO2	G1P19	575.00	38021875000.00	0.72	3.51	O.K	0.20	0.43	O.k	57.64	0.17	0.09	0.14	O.k	0.68
G1	PISO2	G1P19	575.00	38021875000.00	0.72	3.51	O.K	0.20	0.43	O.k	57.64	0.17	0.09	0.14	O.k	0.68
G1	PISO2	G1P19	575.00	38021875000.00	0.72	3.51	O.K	0.20	0.43	O.k	57.64	0.17	0.09	0.14	O.k	0.68
G1	PISO2	G1P20	1876.29	1321071779927.49	0.46	3.51	O.K	0.13	0.26	O.k	190.11	0.17	0.07	0.14	O.k	0.47
G1	PISO2	G1P20	1876.29	1321071779927.49	0.34	3.51	O.K	0.10	0.15	O.k	190.11	0.17	0.10	0.14	O.k	0.74
G1	PISO2	G1P20	1876.29	1321071779927.49	0.34	3.51	O.K	0.10	0.15	O.k	190.11	0.17	0.10	0.14	O.k	0.74
G1	PISO2	G1P21	1947.75	1477847545846.87	0.47	3.51	O.K	0.13	0.27	O.k	198.77	0.17	0.06	0.14	O.k	0.46
G1	PISO2	G1P21	1947.75	1477847545846.87	0.49	3.51	O.K	0.14	0.26	O.k	198.77	0.17	0.10	0.14	O.k	0.72
G1	PISO2	G1P21	1947.75	1477847545846.87	0.49	3.51	O.K	0.14	0.26	O.k	198.77	0.17	0.10	0.14	O.k	0.72
G1	PISO2	G1P22	525.00	28940625000.00	0.52	3.51	O.K	0.15	0.38	O.k	53.46	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P22	525.00	28940625000.00	0.39	3.51	O.K	0.11	0.16	O.k	53.46	0.17	0.09	0.14	O.k	0.66
G1	PISO2	G1P22	525.00	28940625000.00	0.39	3.51	O.K	0.11	0.16	O.k	53.46	0.17	0.09	0.14	O.k	0.66
G1	PISO2	G1P23	3210.00	6815232200000.00	0.21	3.51	O.K	0.06	0.17	O.k	326.26	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P23	3210.00	6815232200000.00	0.56	3.51	O.K	0.16	0.25	O.k	326.26	0.17	0.09	0.14	O.k	0.65
G1	PISO2	G1P23	3210.00	6815232200000.00	0.56	3.51	O.K	0.16	0.24	O.k	326.26	0.17	0.09	0.14	O.k	0.64
G1	PISO2	G1P24	1100.00	2662000000000.00	0.49	3.51	O.K	0.14	0.33	O.k	114.18	0.17	0.06	0.14	O.k	0.42
G1	PISO2	G1P24	1100.00	2662000000000.00	0.61	3.51	O.K	0.17	0.35	O.k	114.18	0.17	0.08	0.14	O.k	0.57
G1	PISO2	G1P24	1100.00	2662000000000.00	0.61	3.51	O.K	0.17	0.35	O.k	114.18	0.17	0.08	0.14	O.k	0.57
G1	PISO2	G1P25	1450.00	6097250000000.00	0.47	3.51	O.K	0.13	0.32	O.k	148.71	0.17	0.05	0.14	O.k	0.37
G1	PISO2	G1P25	1450.00	6097250000000.00	0.32	3.51	O.K	0.09	0.10	O.k	148.71	0.17	0.08	0.14	O.k	0.57
G1	PISO2	G1P25	1450.00	6097250000000.00	0.32	3.51	O.K	0.09	0.10	O.k	148.71	0.17	0.08	0.14	O.k	0.57
G1	PISO2	G1P26	400.00	12800000000.00	0.31	3.51	O.K	0.09	0.25	O.k	52.42	0.22	0.00	0.15	O.k	0.01
G1	PISO2	G1P26	400.00	12800000000.00	0.39	3.51	O.K	0.11	0.22	O.k	52.42	0.22	0.03	0.15	O.k	0.18
G1	PISO2	G1P26	400.00	12800000000.00	0.39	3.51	O.K	0.11	0.22	O.k	52.42	0.22	0.03	0.15	O.k	0.18
G1	PISO2	G1P27	1175.00	3244468750000.00	0.48	3.51	O.K	0.14	0.28	O.k	118.81	0.17	0.06	0.14	O.k	0.42
G1	PISO2	G1P27	1175.00	3244468750000.00	0.54	3.51	O.K	0.15	0.29	O.k	118.81	0.17	0.07	0.14	O.k	0.50
G1	PISO2	G1P27	1175.00	3244468750000.00	0.54	3.51	O.K	0.15	0.29	O.k	118.81	0.17	0.07	0.14	O.k	0.50
G1	PISO2	G1P28	1175.00	3244468750000.00	0.47	3.51	O.K	0.13	0.27	O.k	118.68	0.17	0.04	0.14	O.k	0.29
G1	PISO2	G1P28	1175.00	3244468750000.00	0.34	3.51	O.K	0.10	0.13	O.k	118.68	0.17	0.07	0.14	O.k	0.47
G1	PISO2	G1P28	1175.00	3244468750000.00	0.34	3.51	O.K	0.10	0.13	O.k	118.68	0.17	0.07	0.14	O.k	0.47
G1	PISO2	G1P29	450.00	18225000000.00	0.31	3.51	O.K	0.09	0.24	O.k	59.36	0.22	0.00	0.15	O.k	0.00
G1	PISO2	G1P29	450.00	18225000000.00	0.38	3.51	O.K	0.11	0.22	O.k	59.36	0.22	0.03	0.15	O.k	0.17
G1	PISO2	G1P29	450.00	18225000000.00	0.38	3.51	O.K	0.11	0.22	O.k	59.36	0.22	0.03	0.15	O.k	0.17
G1	PISO2	G1P30	1500.00	6750000000000.00	0.46	3.51	O.K	0.13	0.30	O.k	153.81	0.17	0.04	0.14	O.k	0.30
G1	PISO2	G1P30	1500.00	6750000000000.00	0.60	3.51	O.K	0.17	0.33	O.k	153.81	0.17	0.08	0.14	O.k	0.55
G1	PISO2	G1P30	1500.00	6750000000000.00	0.60	3.51	O.K	0.17	0.33	O.k	153.81	0.17	0.08	0.14	O.k	0.55
G1	PISO2	G1P31	1100.00	2662000000000.00	0.45	3.51	O.K	0.13	0.31	O.k	111.18	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P31	1100.00	2662000000000.00	0.29	3.51	O.K	0.08	0.09	O.k	111.18	0.17	0.08	0.14	O.k	0.54
G1	PISO2	G1P31	1100.00	2662000000000.00	0.29	3.51	O.K	0.08	0.09	O.k	111.18	0.17	0.08	0.14	O.k	0.54
G1	PISO2	G1P32	4465.00	1780304892500000.00	0.27	3.51	O.K	0.08	0.17	O.k	369.76	0.14	0.04	0.13	O.k	0.28
G1	PISO2	G1P32	4465.00	1780304892500000.00	0.32	3.51	O.K	0.09	0.16	O.k	369.76	0.14	0.15	0.13	O.k	1.17
G1	PISO2	G1P32	4465.00	1780304892500000.00	0.39	3.51	O.K	0.11	0.19	O.k	369.76	0.14	0.14	0.13	O.k	1.08
G1	PISO2	G1P33	3130.00	613285940000.00	0.30	3.51	O.K	0.09	0.19	O.k	295.51	0.16	0.04	0.14	O.k	0.27
G1	PISO2	G1P33	3130.00	613285940000.00	0.47	3.51	O.K	0.13	0.23	O.k	295.51	0.16	0.12	0.14	O.k	0.91
G1	PISO2	G1P33	3130.00	613285940000.00	0.47	3.51	O.K	0.13	0.23	O.k	295.51	0.16	0.12	0.14	O.k	0.91
G1	PISO2	G1P34	3130.00	613285940000.00	0.39	3.51	O.K	0.11	0.25	O.k	303.70	0.16	0.05	0.14	O.k	0.34
G1	PISO2	G1P34	3130.00	613285940000.00	0.37	3.51	O.K	0.11	0.17	O.k	303.70	0.16	0.13	0.14	O.k	0.98
G1	PISO2	G1P34	3130.00	613285940000.00	0.45	3.51	O.K	0.13	0.23	O.k	303.70	0.16	0.13	0.14	O.k	0.96
G1	PISO2	G1P35	3350.00	751907500000.00	0.38	3.51	O.K	0.11	0.21	O.k	326.67	0.16	0.10	0.14	O.k	0.71
G1	PISO2	G1P35	3350.00	751907500000.00	0.43	3.51	O.K	0.12	0.22	O.k	326.67	0.16	0.13	0.14	O.k	0.93
G1	PISO2	G1P35	3350.00	751907500000.00	0.39	3.51	O.K	0.11	0.19	O.k	326.67	0.16	0.12	0.14	O.k	0.91
G1	PISO2	G1P36	1250.00	390625000000.00	0.51	3.51	O.K	0.15	0.26	O.k	118.76	0.16	0.06	0.14	O.k	0.46
G1	PISO2	G1P36	1250.00	390625000000.00	0.51	3.51	O.K	0.15	0.26	O.k	118.76	0.16	0.06	0.14	O.k	0.46
G1	PISO2	G1P36	1250.00	390625000000.00	0.51	3.51	O.K	0.15	0.26	O.k	118.76	0.16	0.06	0.14	O.k	0.46
G1	PISO2	G1P37	520.00	28121600000.00	0.52	3.51	O.K	0.15	0.38	O.k	45.19	0.14	0.04	0.13	O.k	0.30
G1	PISO2	G1P37	520.00	28121600000.00	0.47	3.51	O.K	0.13	0.29	O.k	45.19	0.14	0.04	0.13	O.k	0.33
G1	PISO2	G1P37	520.00	28121600000.00	0.20	3.51	O.K	0.06	0.06	O.k	45.19	0.14	0.04	0.13	O.k	0.32
G1	PISO2	G1P38	775.00	93096875000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.56	0.16	0.00	0.14	O.k	0.02
G1	PISO2	G1P38	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	76.56	0.16	0.03	0.14	O.k	0.20
G1	PISO2	G1P38	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	76.56	0.16	0.03	0.14	O.k	0.20
G1	PISO2	G1P39	775.00	93096875000.00	0.23	3.51	O.K	0.06	0.18	O.k	76.05	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P39	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	76.05	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P39	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	76.05	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P40	795.00	100491975000.00	0.23	3.51	O.K	0.06	0.18	O.k	77.60	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P40	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	77.60	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P40	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	77.60	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P41	795.00	100491975000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.75	0.16	0.00	0.14	O.k	0.03
G1	PISO2	G1P41	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	77.75	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P41	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	77.75	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P42	680.00	62886400000.00	0.41	3.51	O.K	0.12	0.28	O.k	61.33	0.15	0.03	0.13	O.k	0.24
G1	PISO2	G1P42	680.00	62886400000.00	0.23	3.51	O.K	0.07	0.07	O.k	61.33	0.15	0.06	0.13	O.k	0.45
G1	PISO2	G1P42	680.00	62886400000.00	0.23	3.51	O.K	0.07	0.07	O.k	61.33	0.15	0.06	0.13	O.k	0.45

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	$fb<=Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	$fv<=Fv_{adm}$	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G1	PISO2	G1P43	3130.00	613285940000.00	0.46	3.51	O.K	0.13	0.25	O.k	302.17	0.16	0.08	0.14	O.k	0.56
G1	PISO2	G1P43	3130.00	613285940000.00	0.53	3.51	O.K	0.15	0.27	O.k	302.17	0.16	0.10	0.14	O.k	0.75
G1	PISO2	G1P43	3130.00	613285940000.00	0.53	3.51	O.K	0.15	0.27	O.k	302.17	0.16	0.10	0.14	O.k	0.75
G1	PISO2	G1P44	1805.00	117614702500.00	0.46	3.51	O.K	0.13	0.27	O.k	189.03	0.17	0.08	0.14	O.k	0.57
G1	PISO2	G1P44	1805.00	117614702500.00	0.49	3.51	O.K	0.14	0.27	O.k	189.03	0.17	0.11	0.14	O.k	0.76
G1	PISO2	G1P44	1805.00	117614702500.00	0.49	3.51	O.K	0.14	0.27	O.k	189.03	0.17	0.11	0.14	O.k	0.76
G1	PISO2	G1P45	600.00	43200000000.00	0.56	3.51	O.K	0.16	0.38	O.k	62.17	0.17	0.05	0.14	O.k	0.33
G1	PISO2	G1P45	600.00	43200000000.00	0.60	3.51	O.K	0.17	0.37	O.k	62.17	0.17	0.06	0.14	O.k	0.42
G1	PISO2	G1P45	600.00	43200000000.00	0.27	3.51	O.K	0.08	0.10	O.k	62.17	0.17	0.06	0.14	O.k	0.41
G1	PISO2	G1P46	1070.00	245008600000.00	0.37	3.51	O.K	0.11	0.25	O.k	103.99	0.16	0.03	0.14	O.k	0.23
G1	PISO2	G1P46	1070.00	245008600000.00	0.30	3.51	O.K	0.08	0.11	O.k	103.99	0.16	0.06	0.14	O.k	0.45
G1	PISO2	G1P46	1070.00	245008600000.00	0.51	3.51	O.K	0.15	0.28	O.k	103.99	0.16	0.06	0.14	O.k	0.42
G1	PISO2	G1P47	1805.00	117614702500.00	0.47	3.51	O.K	0.13	0.27	O.k	188.30	0.17	0.08	0.14	O.k	0.54
G1	PISO2	G1P47	1805.00	117614702500.00	0.31	3.51	O.K	0.09	0.14	O.k	188.30	0.17	0.10	0.14	O.k	0.73
G1	PISO2	G1P47	1805.00	117614702500.00	0.49	3.51	O.K	0.14	0.27	O.k	188.30	0.17	0.10	0.14	O.k	0.73
G1	PISO2	G1P48	600.00	43200000000.00	0.55	3.51	O.K	0.16	0.37	O.k	62.18	0.17	0.04	0.14	O.k	0.31
G1	PISO2	G1P48	600.00	43200000000.00	0.59	3.51	O.K	0.17	0.38	O.k	62.18	0.17	0.06	0.14	O.k	0.41
G1	PISO2	G1P48	600.00	43200000000.00	0.59	3.51	O.K	0.17	0.38	O.k	62.18	0.17	0.06	0.14	O.k	0.41
G1	PISO2	G1P49	1070.00	245008600000.00	0.37	3.51	O.K	0.11	0.25	O.k	104.48	0.16	0.03	0.14	O.k	0.20
G1	PISO2	G1P49	1070.00	245008600000.00	0.30	3.51	O.K	0.09	0.12	O.k	104.48	0.16	0.06	0.14	O.k	0.42
G1	PISO2	G1P49	1070.00	245008600000.00	0.50	3.51	O.K	0.14	0.28	O.k	104.48	0.16	0.05	0.14	O.k	0.39
G1	PISO2	G1P50	520.00	28121600000.00	0.52	3.51	O.K	0.15	0.38	O.k	44.87	0.14	0.04	0.13	O.k	0.31
G1	PISO2	G1P50	520.00	28121600000.00	0.47	3.51	O.K	0.13	0.29	O.k	44.87	0.14	0.04	0.13	O.k	0.32
G1	PISO2	G1P50	520.00	28121600000.00	0.20	3.51	O.K	0.06	0.06	O.k	44.87	0.14	0.04	0.13	O.k	0.32
G1	PISO2	G1P51	775.00	93096875000.00	0.23	3.51	O.K	0.07	0.18	O.k	77.25	0.17	0.00	0.14	O.k	0.02
G1	PISO2	G1P51	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	77.25	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P51	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	77.25	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P52	775.00	93096875000.00	0.23	3.51	O.K	0.07	0.18	O.k	76.74	0.17	0.00	0.14	O.k	0.03
G1	PISO2	G1P52	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	76.74	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P52	775.00	93096875000.00	0.36	3.51	O.K	0.10	0.19	O.k	76.74	0.17	0.03	0.14	O.k	0.20
G1	PISO2	G1P53	795.00	100491975000.00	0.23	3.51	O.K	0.07	0.18	O.k	78.30	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P53	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	78.30	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P53	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	78.30	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P54	795.00	100491975000.00	0.24	3.51	O.K	0.07	0.18	O.k	78.45	0.16	0.00	0.14	O.k	0.04
G1	PISO2	G1P54	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	78.45	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P54	795.00	100491975000.00	0.36	3.51	O.K	0.10	0.19	O.k	78.45	0.16	0.03	0.14	O.k	0.21
G1	PISO2	G1P55	680.00	62886400000.00	0.39	3.51	O.K	0.11	0.27	O.k	60.24	0.15	0.03	0.13	O.k	0.20
G1	PISO2	G1P55	680.00	62886400000.00	0.21	3.51	O.K	0.06	0.06	O.k	60.24	0.15	0.06	0.13	O.k	0.43
G1	PISO2	G1P55	680.00	62886400000.00	0.21	3.51	O.K	0.06	0.06	O.k	60.24	0.15	0.06	0.13	O.k	0.43
G1	PISO2	G1P56	3130.00	613285940000.00	0.55	3.51	O.K	0.16	0.27	O.k	300.76	0.16	0.10	0.14	O.k	0.74
G1	PISO2	G1P56	3130.00	613285940000.00	0.55	3.51	O.K	0.16	0.27	O.k	300.76	0.16	0.10	0.14	O.k	0.74
G1	PISO2	G1P56	3130.00	613285940000.00	0.55	3.51	O.K	0.16	0.27	O.k	300.76	0.16	0.10	0.14	O.k	0.74
G1	PISO2	G1P57	1305.00	44448952500.00	0.50	3.51	O.K	0.14	0.27	O.k	118.54	0.15	0.06	0.13	O.k	0.48
G1	PISO2	G1P57	1305.00	44448952500.00	0.50	3.51	O.K	0.14	0.27	O.k	118.54	0.15	0.06	0.13	O.k	0.48
G1	PISO2	G1P57	1305.00	44448952500.00	0.50	3.51	O.K	0.14	0.27	O.k	118.54	0.15	0.06	0.13	O.k	0.48
G1	PISO2	G1P58	3350.00	751907500000.00	0.45	3.51	O.K	0.13	0.24	O.k	327.99	0.16	0.08	0.14	O.k	0.56
G1	PISO2	G1P58	3350.00	751907500000.00	0.53	3.51	O.K	0.15	0.26	O.k	327.99	0.16	0.10	0.14	O.k	0.73
G1	PISO2	G1P58	3350.00	751907500000.00	0.53	3.51	O.K	0.15	0.26	O.k	327.99	0.16	0.10	0.14	O.k	0.73
G1	PISO2	G1P59	3130.00	613285940000.00	0.38	3.51	O.K	0.11	0.25	O.k	309.62	0.16	0.05	0.14	O.k	0.33
G1	PISO2	G1P59	3130.00	613285940000.00	0.34	3.51	O.K	0.10	0.16	O.k	309.62	0.16	0.13	0.14	O.k	0.92
G1	PISO2	G1P59	3130.00	613285940000.00	0.42	3.51	O.K	0.12	0.22	O.k	309.62	0.16	0.12	0.14	O.k	0.90
G1	PISO2	G1P60	4465.00	1780304892500.00	0.26	3.51	O.K	0.07	0.16	O.k	364.49	0.14	0.03	0.13	O.k	0.22
G1	PISO2	G1P60	4465.00	1780304892500.00	0.32	3.51	O.K	0.09	0.15	O.k	364.49	0.14	0.13	0.13	O.k	1.03
G1	PISO2	G1P60	4465.00	1780304892500.00	0.36	3.51	O.K	0.11	0.19	O.k	364.49	0.14	0.12	0.13	O.k	0.95
G1	PISO2	G1P61	3130.00	613285940000.00	0.53	3.51	O.K	0.15	0.27	O.k	297.61	0.16	0.10	0.14	O.k	0.71
G1	PISO2	G1P61	3130.00	613285940000.00	0.53	3.51	O.K	0.15	0.27	O.k	297.61	0.16	0.10	0.14	O.k	0.71
G1	PISO2	G1P61	3130.00	613285940000.00	0.53	3.51	O.K	0.15	0.27	O.k	297.61	0.16	0.10	0.14	O.k	0.71
G1	PISO2	G1P62	2640.00	367994880000.00	0.21	3.51	O.K	0.06	0.17	O.k	265.08	0.17	0.00	0.14	O.k	0.01
G1	PISO2	G1P62	2640.00	367994880000.00	0.54	3.51	O.K	0.15	0.24	O.k	265.08	0.17	0.08	0.14	O.k	0.59
G1	PISO2	G1P62	2640.00	367994880000.00	0.53	3.51	O.K	0.15	0.24	O.k	265.08	0.17	0.08	0.14	O.k	0.57
G1	PISO2	G1P63	1053.34	233738116920.27	0.47	3.51	O.K	0.13	0.33	O.k	106.00	0.17	0.02	0.14	O.k	0.12
G1	PISO2	G1P63	1053.34	233738116920.27	0.34	3.51	O.K	0.10	0.14	O.k	106.00	0.17	0.05	0.14	O.k	0.34
G1	PISO2	G1P63	1053.34	233738116920.27	0.34	3.51	O.K	0.10	0.14	O.k	106.00	0.17	0.05	0.14	O.k	0.34
G1	PISO2	G1P64	1145.00	300224725000.00	0.22	3.51	O.K	0.06	0.17	O.k	115.65	0.17	0.01	0.14	O.k	0.05
G1	PISO2	G1P64	1145.00	300224725000.00	0.44	3.51	O.K	0.12	0.21	O.k	115.65	0.17	0.05	0.14	O.k	0.33
G1	PISO2	G1P64	1145.00	300224725000.00	0.44	3.51	O.K	0.12	0.21	O.k	115.65	0.17	0.05	0.14	O.k	0.33
G1	PISO2	G1P65	2625.00	361757812500.00	0.42	3.51	O.K	0.12	0.26	O.k	265.71	0.17	0.05	0.14	O.k	0.36
G1	PISO2	G1P65	2625.00	361757812500.00	0.40	3.51	O.K	0.11	0.15	O.k	265.71	0.17	0.11	0.14	O.k	0.76
G1	PISO2	G1P65	2625.00	361757812500.00	0.60	3.51	O.K	0.17	0.31	O.k	265.71	0.17	0.10	0.14	O.k	0.73

4.11.2 Índices de Sobre esfuerzo Edificio 2

De acuerdo con la información de los modelos matemáticos realizados para el análisis estructural de La Alcaldía Menor De Barrios Unidos, los cuales han sido generados conforme a la información obtenida de las visitas e información recopilada, fue posible generar el estado de esfuerzos para las condiciones actuales (cargas gravitacionales) y las condiciones de diseño (cargas gravitacionales más cargas de sismo), de esta manera se presenta los siguientes resultados.

4.11.2.1 Evaluación Estado Actual (Cargas Gravitacionales)

Los resultados encontrados para estos análisis arrojaron valores óptimos de comportamiento.

EVALUACIÓN ESTADO VULNERABILIDAD	
Índice de sobreesfuerzo a compresión axial máximo	0.09
Índice de sobreesfuerzo a flexo-compresión	0.16
Indice de sobreesfuerzo a cortante	0.43

Los índices de sobre esfuerzo encontrados fueron realizados para la envolvente de diseño de las combinaciones de carga antes presentadas, de esta manera se establecieron 3 revisiones de cada elemento de acuerdo con las características de las solicitaciones actuantes

- Carga Axial Máxima con sus componentes de momento y cortante
- Momento Máximo con sus componentes de Axila y cortante
- Cortante Máxima con sus componentes de Axial y Momento.

La información de la revisión de cada uno de los muros evaluados para la Basílica puede ser consultada en las siguientes tablas.

PROYECTO: ALCALDIA LOCAL DE BARRIOS UNIDOS		FECHA: 12/05/2022
PRESENTADO POR: IVAN MAURICIO GUEVARA		No. P. P-22-696

ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 1 DE 2 - CARGAS GRAVITACIONALES





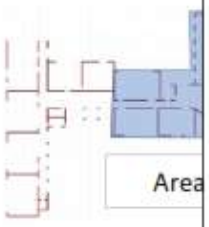
ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_c	e_v	$\phi_c \phi_v f'm$	Ra	fa	Fa_{adm}	$fa <= Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G2	PISO2	G2P1	AXIAL	205.33	1.80	2.00	300.00	8840.00	3700.00	8840.00	12.33	1.00	1.00	8.00	0.91	0.077	1.94	O.K	0.04
G2	PISO2	G2P1	CORTANTE	205.33	1.80	2.00	300.00	8840.00	3700.00	8840.00	12.33	1.00	1.00	8.00	0.91	0.077	1.94	O.K	0.04
G2	PISO2	G2P1	MOMENTO	204.33	2.75	1.82	300.00	8840.00	3700.00	8840.00	12.33	1.00	1.00	8.00	0.91	0.077	1.94	O.K	0.04
G2	PISO2	G2P2	AXIAL	51.81	2.84	1.89	300.00	1800.00	3700.00	1800.00	12.33	1.00	1.00	8.00	0.91	0.096	1.94	O.K	0.05
G2	PISO2	G2P2	CORTANTE	51.18	3.00	2.17	300.00	1800.00	3700.00	1800.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P2	MOMENTO	51.18	3.00	2.17	300.00	1800.00	3700.00	1800.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P3	AXIAL	95.01	3.36	2.31	300.00	3500.00	3700.00	3500.00	12.33	1.00	1.00	8.00	0.91	0.090	1.94	O.K	0.05
G2	PISO2	G2P3	CORTANTE	95.01	3.36	2.31	300.00	3500.00	3700.00	3500.00	12.33	1.00	1.00	8.00	0.91	0.090	1.94	O.K	0.05
G2	PISO2	G2P3	MOMENTO	94.69	3.37	2.16	300.00	3500.00	3700.00	3500.00	12.33	1.00	1.00	8.00	0.91	0.090	1.94	O.K	0.05
G2	PISO2	G2P4	AXIAL	45.65	4.71	9.06	300.00	1700.00	3700.00	1700.00	12.33	1.00	1.00	8.00	0.91	0.090	1.94	O.K	0.05
G2	PISO2	G2P4	CORTANTE	45.63	4.73	9.07	300.00	1700.00	3700.00	1700.00	12.33	1.00	1.00	8.00	0.91	0.089	1.94	O.K	0.05
G2	PISO2	G2P4	MOMENTO	45.63	4.73	9.07	300.00	1700.00	3700.00	1700.00	12.33	1.00	1.00	8.00	0.91	0.089	1.94	O.K	0.05
G2	PISO2	G2P5	AXIAL	299.73	110.40	11.94	300.00	9510.00	3700.00	9510.00	12.33	1.00	1.00	8.00	0.91	0.105	1.94	O.K	0.05
G2	PISO2	G2P5	CORTANTE	299.73	110.40	11.94	300.00	9510.00	3700.00	9510.00	12.33	1.00	1.00	8.00	0.91	0.105	1.94	O.K	0.05
G2	PISO2	G2P5	MOMENTO	299.73	110.40	11.94	300.00	9510.00	3700.00	9510.00	12.33	1.00	1.00	8.00	0.91	0.105	1.94	O.K	0.05
G2	PISO2	G2P6	AXIAL	346.88	123.90	6.49	300.00	12670.00	3700.00	12670.00	12.33	1.00	1.00	8.00	0.91	0.091	1.94	O.K	0.05
G2	PISO2	G2P6	CORTANTE	346.88	123.90	6.49	300.00	12670.00	3700.00	12670.00	12.33	1.00	1.00	8.00	0.91	0.091	1.94	O.K	0.05
G2	PISO2	G2P6	MOMENTO	346.31	124.51	6.24	300.00	12670.00	3700.00	12670.00	12.33	1.00	1.00	8.00	0.91	0.091	1.94	O.K	0.05
G2	PISO2	G2P7	AXIAL	56.11	0.17	0.17	300.00	1960.00	3700.00	1960.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P7	CORTANTE	56.11	0.20	0.18	300.00	1960.00	3700.00	1960.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P7	MOMENTO	56.11	0.20	0.18	300.00	1960.00	3700.00	1960.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P8	AXIAL	24.15	0.97	0.92	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.081	1.94	O.K	0.04
G2	PISO2	G2P8	CORTANTE	23.84	0.98	0.97	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.079	1.94	O.K	0.04
G2	PISO2	G2P8	MOMENTO	23.84	0.98	0.97	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.079	1.94	O.K	0.04
G2	PISO2	G2P9	AXIAL	22.94	0.85	1.35	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.076	1.94	O.K	0.04
G2	PISO2	G2P9	CORTANTE	22.80	0.85	1.37	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.076	1.94	O.K	0.04
G2	PISO2	G2P9	MOMENTO	22.80	0.85	1.37	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.076	1.94	O.K	0.04
G2	PISO2	G2P10	AXIAL	184.25	4.06	0.35	300.00	5770.00	3700.00	5770.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P10	CORTANTE	184.25	4.06	0.35	300.00	5770.00	3700.00	5770.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P10	MOMENTO	184.25	4.06	0.35	300.00	5770.00	3700.00	5770.00	12.33	1.00	1.00	8.00	0.91	0.095	1.94	O.K	0.05
G2	PISO2	G2P11	AXIAL	112.02	2.84	4.27	300.00	4220.00	3700.00	4220.00	12.33	1.00	1.00	8.00	0.91	0.088	1.94	O.K	0.05
G2	PISO2	G2P11	CORTANTE	111.70	1.38	4.84	300.00	4220.00	3700.00	4220.00	12.33	1.00	1.00	8.00	0.91	0.088	1.94	O.K	0.05
G2	PISO2	G2P11	MOMENTO	112.02	2.84	4.27	300.00	4220.00	3700.00	4220.00	12.33	1.00	1.00	8.00	0.91	0.088	1.94	O.K	0.05
G2	PISO2	G2P12	AXIAL	209.36	36.71	4.05	300.00	8400.00	3700.00	8400.00	12.33	1.00	1.00	8.00	0.91	0.083	1.94	O.K	0.04
G2	PISO2	G2P12	CORTANTE	209.07	32.34	5.54	300.00	8400.00	3700.00	8400.00	12.33	1.00	1.00	8.00	0.91	0.083	1.94	O.K	0.04
G2	PISO2	G2P12	MOMENTO	209.36	36.71	4.05	300.00	8400.00	3700.00	8400.00	12.33	1.00	1.00	8.00	0.91	0.083	1.94	O.K	0.04
G2	PISO2	G2P13	AXIAL	133.35	3.87	3.63	300.00	5220.00	3700.00	5220.00	12.33	1.00	1.00	8.00	0.91	0.085	1.94	O.K	0.04
G2	PISO2	G2P13	CORTANTE	133.21	1.46	4.34	300.00	5220.00	3700.00	5220.00	12.33	1.00	1.00	8.00	0.91	0.085	1.94	O.K	0.04
G2	PISO2	G2P13	MOMENTO	133.35	3.87	3.63	300.00	5220.00	3700.00	5220.00	12.33	1.00	1.00	8.00	0.91	0.085	1.94	O.K	0.04

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	α_c	α_s	$\phi_a \phi_f f'm$	Re	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G2	PISO2	G2P14	AXIAL	59.82	0.90	0.30	300.00	2650.00	3700.00	2650.00	12.33	1.00	1.00	8.00	0.91	0.075	1.94	O.K	0.04
G2	PISO2	G2P14	CORTANTE	59.82	0.90	0.30	300.00	2650.00	3700.00	2650.00	12.33	1.00	1.00	8.00	0.91	0.075	1.94	O.K	0.04
G2	PISO2	G2P14	MOMENTO	59.82	0.90	0.30	300.00	2650.00	3700.00	2650.00	12.33	1.00	1.00	8.00	0.91	0.075	1.94	O.K	0.04
G2	PISO2	G2P15	AXIAL	85.48	4.24	6.13	300.00	2300.00	3700.00	2300.00	12.33	1.00	1.00	8.00	0.91	0.124	1.94	O.K	0.06
G2	PISO2	G2P15	CORTANTE	85.43	4.68	6.28	300.00	2300.00	3700.00	2300.00	12.33	1.00	1.00	8.00	0.91	0.124	1.94	O.K	0.06
G2	PISO2	G2P15	MOMENTO	85.43	4.68	6.28	300.00	2300.00	3700.00	2300.00	12.33	1.00	1.00	8.00	0.91	0.124	1.94	O.K	0.06
G1	PISO2	G1P60	AXIAL	416.97	56.61	13.47	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.156	1.94	O.K	0.08
G1	PISO2	G1P60	CORTANTE	416.97	56.61	13.47	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.156	1.94	O.K	0.08
G1	PISO2	G1P60	MOMENTO	379.52	70.77	12.90	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.142	1.94	O.K	0.07
G2	PISO2	G2P16	AXIAL	123.27	5.88	2.66	300.00	4350.00	3700.00	4350.00	12.33	1.00	1.00	8.00	0.91	0.094	1.94	O.K	0.05
G2	PISO2	G2P16	CORTANTE	122.79	4.51	3.37	300.00	4350.00	3700.00	4350.00	12.33	1.00	1.00	8.00	0.91	0.094	1.94	O.K	0.05
G2	PISO2	G2P16	MOMENTO	123.27	5.88	2.66	300.00	4350.00	3700.00	4350.00	12.33	1.00	1.00	8.00	0.91	0.094	1.94	O.K	0.05
G2	PISO2	G2P17	AXIAL	76.83	13.21	13.20	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G2	PISO2	G2P17	CORTANTE	76.81	13.37	13.26	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G2	PISO2	G2P17	MOMENTO	76.81	13.37	13.26	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.165	1.94	O.K	0.08
G2	PISO2	G2P18	AXIAL	30.52	0.52	0.43	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.113	1.94	O.K	0.06
G2	PISO2	G2P18	CORTANTE	30.52	0.52	0.43	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.113	1.94	O.K	0.06
G2	PISO2	G2P18	MOMENTO	30.52	0.52	0.43	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.113	1.94	O.K	0.06
G2	PISO2	G2P19	AXIAL	370.31	96.56	15.88	300.00	13860.00	3700.00	13860.00	12.33	1.00	1.00	8.00	0.91	0.089	1.94	O.K	0.05
G2	PISO2	G2P19	CORTANTE	369.96	89.15	18.65	300.00	13860.00	3700.00	13860.00	12.33	1.00	1.00	8.00	0.91	0.089	1.94	O.K	0.05
G2	PISO2	G2P19	MOMENTO	370.31	96.56	15.88	300.00	13860.00	3700.00	13860.00	12.33	1.00	1.00	8.00	0.91	0.089	1.94	O.K	0.05
G2	PISO2	G2P20	AXIAL	41.07	13.04	10.90	300.00	810.00	3700.00	810.00	12.33	1.00	1.00	8.00	0.91	0.169	1.94	O.K	0.09
G2	PISO2	G2P20	CORTANTE	41.07	13.04	10.90	300.00	810.00	3700.00	810.00	12.33	1.00	1.00	8.00	0.91	0.169	1.94	O.K	0.09
G2	PISO2	G2P20	MOMENTO	41.07	13.04	10.90	300.00	810.00	3700.00	810.00	12.33	1.00	1.00	8.00	0.91	0.169	1.94	O.K	0.09

PROYECTO: ALCALDIA LOCAL DE BARRIOS UNIDOS — FECHA: 12/05/2022

PRESENTADO POR: IVAN MAURICIO GUEVARA — No. P. P-22-696

ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 2 DE 2 - CARGAS GRAVITACIONALES





ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c (mm)	I (mm^4)	fb (Mpa)	Fb_{adm} (Mpa)	$fb <= Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM ION	fam (Mpa)	fv (Mpa)	Fv_{adm} (Mpa)	$fv <= Fv_{adm}$	INDICE DE SOBRE ESFUERZO
G2	PISO2	G2P1	4420.00	172701776000000.00	0.08	3.51	O.K	0.02	0.06	O.k	199.36	0.06	0.00	0.11	O.k	0.01
G2	PISO2	G2P1	4420.00	172701776000000.00	0.08	3.51	O.K	0.02	0.06	O.k	199.36	0.06	0.00	0.11	O.k	0.01
G2	PISO2	G2P1	4420.00	172701776000000.00	0.08	3.51	O.K	0.02	0.06	O.k	199.36	0.06	0.00	0.11	O.k	0.01
G2	PISO2	G2P2	900.00	14580000000000.00	0.11	3.51	O.K	0.03	0.08	O.k	46.31	0.09	0.00	0.12	O.k	0.04
G2	PISO2	G2P2	900.00	14580000000000.00	0.11	3.51	O.K	0.03	0.08	O.k	46.31	0.09	0.01	0.12	O.k	0.04
G2	PISO2	G2P2	900.00	14580000000000.00	0.11	3.51	O.K	0.03	0.08	O.k	46.31	0.09	0.01	0.12	O.k	0.04
G2	PISO2	G2P3	1750.00	107187500000000.00	0.10	3.51	O.K	0.03	0.07	O.k	88.55	0.06	0.00	0.12	O.k	0.02
G2	PISO2	G2P3	1750.00	107187500000000.00	0.10	3.51	O.K	0.03	0.07	O.k	88.55	0.06	0.00	0.12	O.k	0.02
G2	PISO2	G2P3	1750.00	107187500000000.00	0.10	3.51	O.K	0.03	0.07	O.k	88.55	0.06	0.00	0.12	O.k	0.02
G2	PISO2	G2P4	850.00	12282500000000.00	0.12	3.51	O.K	0.03	0.08	O.k	42.58	0.06	0.02	0.12	O.k	0.19
G2	PISO2	G2P4	850.00	12282500000000.00	0.12	3.51	O.K	0.03	0.08	O.k	42.58	0.06	0.02	0.12	O.k	0.19
G2	PISO2	G2P4	850.00	12282500000000.00	0.12	3.51	O.K	0.03	0.08	O.k	42.58	0.06	0.02	0.12	O.k	0.19
G2	PISO2	G2P5	4755.00	2150213377500000.00	0.13	3.51	O.K	0.04	0.09	O.k	275.11	0.10	0.01	0.12	O.k	0.04
G2	PISO2	G2P5	4755.00	2150213377500000.00	0.13	3.51	O.K	0.04	0.09	O.k	275.11	0.10	0.01	0.12	O.k	0.04
G2	PISO2	G2P5	4755.00	2150213377500000.00	0.13	3.51	O.K	0.04	0.09	O.k	275.11	0.10	0.01	0.12	O.k	0.04
G2	PISO2	G2P6	6335.00	5084752907500000.00	0.11	3.51	O.K	0.03	0.08	O.k	322.97	0.08	0.00	0.12	O.k	0.02
G2	PISO2	G2P6	6335.00	5084752907500000.00	0.11	3.51	O.K	0.03	0.08	O.k	322.97	0.08	0.00	0.12	O.k	0.02
G2	PISO2	G2P6	6335.00	5084752907500000.00	0.11	3.51	O.K	0.03	0.08	O.k	322.97	0.08	0.00	0.12	O.k	0.02
G2	PISO2	G2P7	980.00	188238400000.00	0.10	3.51	O.K	0.03	0.08	O.k	51.72	0.09	0.00	0.12	O.k	0.00
G2	PISO2	G2P7	980.00	188238400000.00	0.10	3.51	O.K	0.03	0.08	O.k	51.72	0.09	0.00	0.12	O.k	0.00
G2	PISO2	G2P7	980.00	188238400000.00	0.10	3.51	O.K	0.03	0.08	O.k	51.72	0.09	0.00	0.12	O.k	0.00
G2	PISO2	G2P8	500.00	25000000000.00	0.10	3.51	O.K	0.03	0.07	O.k	23.07	0.08	0.00	0.11	O.k	0.03
G2	PISO2	G2P8	500.00	25000000000.00	0.10	3.51	O.K	0.03	0.07	O.k	23.07	0.08	0.00	0.11	O.k	0.04
G2	PISO2	G2P8	500.00	25000000000.00	0.10	3.51	O.K	0.03	0.07	O.k	23.07	0.08	0.00	0.11	O.k	0.04
G2	PISO2	G2P9	500.00	25000000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.21	0.07	0.01	0.11	O.k	0.05
G2	PISO2	G2P9	500.00	25000000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.21	0.07	0.01	0.11	O.k	0.05
G2	PISO2	G2P9	500.00	25000000000.00	0.09	3.51	O.K	0.03	0.07	O.k	22.21	0.07	0.01	0.11	O.k	0.05
G2	PISO2	G2P10	2885.00	480250008250000.00	0.10	3.51	O.K	0.03	0.08	O.k	151.55	0.09	0.00	0.12	O.k	0.00
G2	PISO2	G2P10	2885.00	480250008250000.00	0.10	3.51	O.K	0.03	0.08	O.k	151.55	0.09	0.00	0.12	O.k	0.00
G2	PISO2	G2P10	2885.00	480250008250000.00	0.10	3.51	O.K	0.03	0.08	O.k	151.55	0.09	0.00	0.12	O.k	0.00
G2	PISO2	G2P11	2110.00	187878620000000.00	0.09	3.51	O.K	0.03	0.07	O.k	105.06	0.08	0.00	0.12	O.k	0.04
G2	PISO2	G2P11	2110.00	187878620000000.00	0.09	3.51	O.K	0.03	0.07	O.k	105.06	0.08	0.00	0.12	O.k	0.04
G2	PISO2	G2P11	2110.00	187878620000000.00	0.09	3.51	O.K	0.03	0.07	O.k	105.06	0.08	0.00	0.12	O.k	0.04
G2	PISO2	G2P12	4200.00	1481760000000000.00	0.09	3.51	O.K	0.03	0.07	O.k	199.63	0.06	0.00	0.12	O.k	0.02
G2	PISO2	G2P12	4200.00	1481760000000000.00	0.09	3.51	O.K	0.03	0.07	O.k	199.63	0.06	0.00	0.12	O.k	0.02
G2	PISO2	G2P12	4200.00	1481760000000000.00	0.09	3.51	O.K	0.03	0.07	O.k	199.63	0.06	0.00	0.12	O.k	0.02
G2	PISO2	G2P13	2610.00	355591620000000.00	0.09	3.51	O.K	0.03	0.07	O.k	126.36	0.06	0.00	0.12	O.k	0.03
G2	PISO2	G2P13	2610.00	355591620000000.00	0.09	3.51	O.K	0.02	0.07	O.k	126.36	0.06	0.00	0.12	O.k	0.03
G2	PISO2	G2P13	2610.00	355591620000000.00	0.09	3.51	O.K	0.03	0.07	O.k	126.36	0.06	0.00	0.12	O.k	0.03

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	fv<=Fv adm	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G2	PISO2	G2P14	1325.00	4652406625000.00	0.08	3.51	O.K	0.02	0.06	O.k	58.35	0.07	0.00	0.11	O.k	0.00
G2	PISO2	G2P14	1325.00	4652406625000.00	0.08	3.51	O.K	0.02	0.06	O.k	58.35	0.07	0.00	0.11	O.k	0.00
G2	PISO2	G2P14	1325.00	4652406625000.00	0.08	3.51	O.K	0.02	0.06	O.k	58.35	0.07	0.00	0.11	O.k	0.00
G2	PISO2	G2P15	1150.00	3041750000000.00	0.14	3.51	O.K	0.04	0.10	O.k	74.48	0.11	0.01	0.12	O.k	0.09
G2	PISO2	G2P15	1150.00	3041750000000.00	0.14	3.51	O.K	0.04	0.10	O.k	74.48	0.11	0.01	0.12	O.k	0.09
G2	PISO2	G2P15	1150.00	3041750000000.00	0.14	3.51	O.K	0.04	0.10	O.k	74.48	0.11	0.01	0.12	O.k	0.09
G1	PISO2	G1P60	4465.00	1780304892500.00	0.17	3.51	O.K	0.05	0.13	O.k	364.48	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P60	4465.00	1780304892500.00	0.17	3.51	O.K	0.05	0.13	O.k	364.48	0.14	0.01	0.13	O.k	0.05
G1	PISO2	G1P60	4465.00	1780304892500.00	0.16	3.51	O.K	0.05	0.12	O.k	364.48	0.14	0.01	0.13	O.k	0.05
G2	PISO2	G2P16	2175.00	2057821875000.00	0.10	3.51	O.K	0.03	0.08	O.k	113.47	0.09	0.00	0.12	O.k	0.02
G2	PISO2	G2P16	2175.00	2057821875000.00	0.10	3.51	O.K	0.03	0.08	O.k	113.47	0.09	0.00	0.12	O.k	0.03
G2	PISO2	G2P16	2175.00	2057821875000.00	0.10	3.51	O.K	0.03	0.08	O.k	113.47	0.09	0.00	0.12	O.k	0.02
G2	PISO2	G2P17	775.00	93096875000.00	0.28	3.51	O.K	0.08	0.16	O.k	63.75	0.14	0.04	0.13	O.k	0.27
G2	PISO2	G2P17	775.00	93096875000.00	0.28	3.51	O.K	0.08	0.16	O.k	63.75	0.14	0.04	0.13	O.k	0.27
G2	PISO2	G2P17	775.00	93096875000.00	0.28	3.51	O.K	0.08	0.16	O.k	63.75	0.14	0.04	0.13	O.k	0.27
G2	PISO2	G2P18	450.00	18225000000.00	0.13	3.51	O.K	0.04	0.09	O.k	27.13	0.10	0.00	0.12	O.k	0.02
G2	PISO2	G2P18	450.00	18225000000.00	0.13	3.51	O.K	0.04	0.09	O.k	27.13	0.10	0.00	0.12	O.k	0.02
G2	PISO2	G2P18	450.00	18225000000.00	0.13	3.51	O.K	0.04	0.09	O.k	27.13	0.10	0.00	0.12	O.k	0.02
G2	PISO2	G2P19	6930.00	6656625114000000.00	0.10	3.51	O.K	0.03	0.07	O.k	346.80	0.08	0.00	0.12	O.k	0.04
G2	PISO2	G2P19	6930.00	6656625114000000.00	0.10	3.51	O.K	0.03	0.07	O.k	346.80	0.08	0.01	0.12	O.k	0.05
G2	PISO2	G2P19	6930.00	6656625114000000.00	0.10	3.51	O.K	0.03	0.07	O.k	346.80	0.08	0.00	0.12	O.k	0.04
G2	PISO2	G2P20	405.00	13286025000.00	0.57	3.51	O.K	0.16	0.25	O.k	34.09	0.14	0.06	0.13	O.k	0.43
G2	PISO2	G2P20	405.00	13286025000.00	0.57	3.51	O.K	0.16	0.25	O.k	34.09	0.14	0.06	0.13	O.k	0.43
G2	PISO2	G2P20	405.00	13286025000.00	0.57	3.51	O.K	0.16	0.25	O.k	34.09	0.14	0.06	0.13	O.k	0.43

4.11.2.2 Evaluación Condición Sismo (Cargas Gravitacionales más Sismo de diseño)

Los resultados encontrados para estos análisis generan índices de sobre esfuerzo mayores a la unidad

EVALUACIÓN ESTADO VULNERABILIDAD	
Índice de sobreesfuerzo a compresión axial máximo	0.13
Índice de sobreesfuerzo a flexo-compresión	0.20
Indice de sobreesfuerzo a cortante	1.37

La información de la revisión de cada uno de los muros evaluados para La Alcaldía Local De Barrios Unidos puede ser consultada en las siguientes tablas.



Localización elementos con índices mayores que la unidad



Vista general muros edificio 2

PROYECTO: ALCALDIA LOCAL DE BARRIOS UNIDOS		FECHA: 12/05/2022
PRESENTADO POR: IVAN MAURICIO GUEVARA		No. P. P-22-696

ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 1 DE 2 - CARGAS GRAVITACIONALES + SISMO



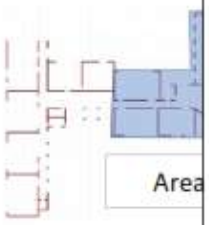


ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_c	e_v	$\phi_c \phi_v f'm$	Ra	fa	Fa_{adm}	$fa <= Fa_{adm}$	INDICE DE SOBREESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G2	PISO2	G2P1	AXIAL	349.79	248.68	107.41	300.00	8840.00	3700.00	8840.00	12.33	1.00	1.00	8.00	0.91	0.132	1.94	O.K	0.07
G2	PISO2	G2P1	CORTANTE	264.59	566.36	330.71	300.00	8840.00	3700.00	8840.00	12.33	1.00	1.00	8.00	0.91	0.100	1.94	O.K	0.05
G2	PISO2	G2P1	MOMENTO	134.13	566.36	326.01	300.00	8840.00	3700.00	8840.00	12.33	1.00	1.00	8.00	0.91	0.051	1.94	O.K	0.03
G2	PISO2	G2P2	AXIAL	123.95	58.12	22.76	300.00	1800.00	3700.00	1800.00	12.33	1.00	1.00	8.00	0.91	0.239	1.94	O.K	0.12
G2	PISO2	G2P2	CORTANTE	108.57	42.16	30.67	300.00	1800.00	3700.00	1800.00	12.33	1.00	1.00	8.00	0.91	0.201	1.94	O.K	0.10
G2	PISO2	G2P2	MOMENTO	108.57	42.16	30.67	300.00	1800.00	3700.00	1800.00	12.33	1.00	1.00	8.00	0.91	0.201	1.94	O.K	0.10
G2	PISO2	G2P3	AXIAL	156.54	169.91	84.88	300.00	3500.00	3700.00	3500.00	12.33	1.00	1.00	8.00	0.91	0.149	1.94	O.K	0.08
G2	PISO2	G2P3	CORTANTE	156.54	169.91	84.88	300.00	3500.00	3700.00	3500.00	12.33	1.00	1.00	8.00	0.91	0.149	1.94	O.K	0.08
G2	PISO2	G2P3	MOMENTO	156.54	169.91	84.88	300.00	3500.00	3700.00	3500.00	12.33	1.00	1.00	8.00	0.91	0.149	1.94	O.K	0.08
G2	PISO2	G2P4	AXIAL	92.04	34.89	25.91	300.00	1700.00	3700.00	1700.00	12.33	1.00	1.00	8.00	0.91	0.180	1.94	O.K	0.09
G2	PISO2	G2P4	CORTANTE	6.87	41.47	38.71	300.00	1700.00	3700.00	1700.00	12.33	1.00	1.00	8.00	0.91	0.013	1.94	O.K	0.01
G2	PISO2	G2P4	MOMENTO	6.87	41.47	38.71	300.00	1700.00	3700.00	1700.00	12.33	1.00	1.00	8.00	0.91	0.013	1.94	O.K	0.01
G2	PISO2	G2P5	AXIAL	378.15	816.82	324.90	300.00	9510.00	3700.00	9510.00	12.33	1.00	1.00	8.00	0.91	0.133	1.94	O.K	0.07
G2	PISO2	G2P5	CORTANTE	172.07	632.22	345.93	300.00	9510.00	3700.00	9510.00	12.33	1.00	1.00	8.00	0.91	0.060	1.94	O.K	0.03
G2	PISO2	G2P5	MOMENTO	378.15	816.82	324.90	300.00	9510.00	3700.00	9510.00	12.33	1.00	1.00	8.00	0.91	0.133	1.94	O.K	0.07
G2	PISO2	G2P6	AXIAL	436.54	1159.69	466.62	300.00	12670.00	3700.00	12670.00	12.33	1.00	1.00	8.00	0.91	0.115	1.94	O.K	0.06
G2	PISO2	G2P6	CORTANTE	209.41	982.47	475.19	300.00	12670.00	3700.00	12670.00	12.33	1.00	1.00	8.00	0.91	0.055	1.94	O.K	0.03
G2	PISO2	G2P6	MOMENTO	436.54	1159.69	466.62	300.00	12670.00	3700.00	12670.00	12.33	1.00	1.00	8.00	0.91	0.115	1.94	O.K	0.06
G2	PISO2	G2P7	AXIAL	59.84	0.24	0.22	300.00	1960.00	3700.00	1960.00	12.33	1.00	1.00	8.00	0.91	0.102	1.94	O.K	0.05
G2	PISO2	G2P7	CORTANTE	51.74	48.75	19.10	300.00	1960.00	3700.00	1960.00	12.33	1.00	1.00	8.00	0.91	0.088	1.94	O.K	0.05
G2	PISO2	G2P7	MOMENTO	51.74	48.75	19.10	300.00	1960.00	3700.00	1960.00	12.33	1.00	1.00	8.00	0.91	0.088	1.94	O.K	0.05
G2	PISO2	G2P8	AXIAL	73.47	5.86	10.33	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.245	1.94	O.K	0.13
G2	PISO2	G2P8	CORTANTE	58.12	12.64	13.47	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.194	1.94	O.K	0.10
G2	PISO2	G2P8	MOMENTO	58.12	12.64	13.47	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.194	1.94	O.K	0.10
G2	PISO2	G2P9	AXIAL	55.55	12.79	14.58	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.185	1.94	O.K	0.10
G2	PISO2	G2P9	CORTANTE	11.13	13.94	16.48	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.037	1.94	O.K	0.02
G2	PISO2	G2P9	MOMENTO	11.13	13.94	16.48	300.00	1000.00	3700.00	1000.00	12.33	1.00	1.00	8.00	0.91	0.037	1.94	O.K	0.02
G2	PISO2	G2P10	AXIAL	218.06	171.56	48.71	300.00	5770.00	3700.00	5770.00	12.33	1.00	1.00	8.00	0.91	0.127	1.94	O.K	0.07
G2	PISO2	G2P10	CORTANTE	208.90	252.56	106.05	300.00	5770.00	3700.00	5770.00	12.33	1.00	1.00	8.00	0.91	0.121	1.94	O.K	0.06
G2	PISO2	G2P10	MOMENTO	208.90	252.56	106.05	300.00	5770.00	3700.00	5770.00	12.33	1.00	1.00	8.00	0.91	0.121	1.94	O.K	0.06
G2	PISO2	G2P11	AXIAL	155.45	220.10	96.79	300.00	4220.00	3700.00	4220.00	12.33	1.00	1.00	8.00	0.91	0.123	1.94	O.K	0.06
G2	PISO2	G2P11	CORTANTE	155.45	220.10	96.79	300.00	4220.00	3700.00	4220.00	12.33	1.00	1.00	8.00	0.91	0.123	1.94	O.K	0.06
G2	PISO2	G2P11	MOMENTO	94.67	223.06	90.43	300.00	4220.00	3700.00	4220.00	12.33	1.00	1.00	8.00	0.91	0.043	1.94	O.K	0.02
G2	PISO2	G2P12	AXIAL	248.33	698.57	237.96	300.00	8400.00	3700.00	8400.00	12.33	1.00	1.00	8.00	0.91	0.099	1.94	O.K	0.05
G2	PISO2	G2P12	CORTANTE	150.93	649.49	244.79	300.00	8400.00	3700.00	8400.00	12.33	1.00	1.00	8.00	0.91	0.060	1.94	O.K	0.03
G2	PISO2	G2P12	MOMENTO	248.33	698.57	237.96	300.00	8400.00	3700.00	8400.00	12.33	1.00	1.00	8.00	0.91	0.099	1.94	O.K	0.05
G2	PISO2	G2P13	AXIAL	159.68	155.03	51.28	300.00	5220.00	3700.00	5220.00	12.33	1.00	1.00	8.00	0.91	0.102	1.94	O.K	0.05
G2	PISO2	G2P13	CORTANTE	155.84	358.18	116.82	300.00	5220.00	3700.00	5220.00	12.33	1.00	1.00	8.00	0.91	0.100	1.94	O.K	0.05
G2	PISO2	G2P13	MOMENTO	98.89	361.43	113.18	300.00	5220.00	3700.00	5220.00	12.33	1.00	1.00	8.00	0.91	0.062	1.94	O.K	0.03

ZONA	STORY	MURO	TIPO DE COMBINACION	SOLICITACIONES			CARACTERISTICAS DEL MURO								COMPRESION AXIAL				
				axial	Momento	Cortante		L	h'	d	h'/t	e_c	e_s	$\phi_c \phi_s f'm$	Re	fa	Fa_{adm}	$fa<=Fa_{adm}$	INDICE DE SOBRE ESFUERZO
				(kN)	(kN.m)	(kN)	mm	mm	mm	mm				(Mpa)		(Mpa)	(Mpa)		
G2	PISO2	G2P14	AXIAL	111.02	77.90	47.97	300.00	2650.00	3700.00	2650.00	12.33	1.00	1.00	8.00	0.91	0.140	1.94	O.K	0.07
G2	PISO2	G2P14	CORTANTE	111.02	77.90	47.97	300.00	2650.00	3700.00	2650.00	12.33	1.00	1.00	8.00	0.91	0.140	1.94	O.K	0.07
G2	PISO2	G2P14	MOMENTO	111.02	77.90	47.97	300.00	2650.00	3700.00	2650.00	12.33	1.00	1.00	8.00	0.91	0.140	1.94	O.K	0.07
G2	PISO2	G2P15	AXIAL	94.79	5.48	7.71	300.00	2300.00	3700.00	2300.00	12.33	1.00	1.00	8.00	0.91	0.137	1.94	O.K	0.07
G2	PISO2	G2P15	CORTANTE	81.35	70.57	30.86	300.00	2300.00	3700.00	2300.00	12.33	1.00	1.00	8.00	0.91	0.118	1.94	O.K	0.06
G2	PISO2	G2P15	MOMENTO	81.35	70.57	30.86	300.00	2300.00	3700.00	2300.00	12.33	1.00	1.00	8.00	0.91	0.118	1.94	O.K	0.06
G1	PISO2	G1P60	AXIAL	464.39	342.46	62.41	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.173	1.94	O.K	0.09
G1	PISO2	G1P60	CORTANTE	328.03	783.47	288.56	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.122	1.94	O.K	0.06
G1	PISO2	G1P60	MOMENTO	400.93	916.42	264.74	300.00	8930.00	3700.00	8930.00	12.33	1.00	1.00	8.00	0.91	0.150	1.94	O.K	0.08
G2	PISO2	G2P16	AXIAL	184.41	199.89	118.64	300.00	4350.00	3700.00	4350.00	12.33	1.00	1.00	8.00	0.91	0.141	1.94	O.K	0.07
G2	PISO2	G2P16	CORTANTE	184.41	199.89	118.64	300.00	4350.00	3700.00	4350.00	12.33	1.00	1.00	8.00	0.91	0.141	1.94	O.K	0.07
G2	PISO2	G2P16	MOMENTO	42.54	207.73	114.38	300.00	4350.00	3700.00	4350.00	12.33	1.00	1.00	8.00	0.91	0.033	1.94	O.K	0.02
G2	PISO2	G2P17	AXIAL	87.90	16.57	16.52	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.189	1.94	O.K	0.10
G2	PISO2	G2P17	CORTANTE	66.63	35.44	21.72	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.143	1.94	O.K	0.07
G2	PISO2	G2P17	MOMENTO	66.63	35.44	21.72	300.00	1550.00	3700.00	1550.00	12.33	1.00	1.00	8.00	0.91	0.143	1.94	O.K	0.07
G2	PISO2	G2P18	AXIAL	33.37	0.62	0.52	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.124	1.94	O.K	0.06
G2	PISO2	G2P18	CORTANTE	30.18	8.10	5.68	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.112	1.94	O.K	0.06
G2	PISO2	G2P18	MOMENTO	30.18	8.10	5.68	300.00	900.00	3700.00	900.00	12.33	1.00	1.00	8.00	0.91	0.112	1.94	O.K	0.06
G2	PISO2	G2P19	AXIAL	512.62	536.38	178.20	300.00	13860.00	3700.00	13860.00	12.33	1.00	1.00	8.00	0.91	0.123	1.94	O.K	0.06
G2	PISO2	G2P19	CORTANTE	263.75	1024.16	443.02	300.00	13860.00	3700.00	13860.00	12.33	1.00	1.00	8.00	0.91	0.063	1.94	O.K	0.03
G2	PISO2	G2P19	MOMENTO	429.85	1156.58	418.71	300.00	13860.00	3700.00	13860.00	12.33	1.00	1.00	8.00	0.91	0.103	1.94	O.K	0.05
G2	PISO2	G2P20	AXIAL	46.99	16.26	13.60	300.00	810.00	3700.00	810.00	12.33	1.00	1.00	8.00	0.91	0.193	1.94	O.K	0.10
G2	PISO2	G2P20	CORTANTE	46.99	16.26	13.60	300.00	810.00	3700.00	810.00	12.33	1.00	1.00	8.00	0.91	0.193	1.94	O.K	0.10
G2	PISO2	G2P20	MOMENTO	46.99	16.26	13.60	300.00	810.00	3700.00	810.00	12.33	1.00	1.00	8.00	0.91	0.193	1.94	O.K	0.10

	PROYECTO: ALCALDIA LOCAL DE BARRIOS UNIDOS	FECHA: 12/05/2022
	PRESENTADO POR: IVAN MAURICIO GUEVARA	No. P. P-22-696

ELEMENTOS - ANALISIS COMO MAMPOSTERIA NO REFORZADA - TABLA 2 DE 2 - CARGAS GRAVITACIONALES + SISMO





ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c (mm)	I (mm^4)	fb (Mpa)	Fb_{adm} (Mpa)	fb<=Fb adm	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM ION	fam (Mpa)	fv (Mpa)	Fv_{adm} (Mpa)	fv<=Fv adm	INDICE DE SOBRE ESFUERZO
G2	PISO2	G2P1	4420.00	172701776000000.00	0.20	3.51	O.K	0.06	0.12	O.k	199.36	0.06	0.05	0.11	O.k	0.44
G2	PISO2	G2P1	4420.00	172701776000000.00	0.24	3.51	O.K	0.07	0.12	O.k	199.36	0.06	0.16	0.11	O.k	1.37
G2	PISO2	G2P1	4420.00	172701776000000.00	0.20	3.51	O.K	0.06	0.08	O.k	199.36	0.06	0.15	0.11	O.k	1.36
G2	PISO2	G2P2	900.00	1458000000000.00	0.34	3.51	O.K	0.10	0.22	O.k	46.31	0.09	0.05	0.12	O.k	0.45
G2	PISO2	G2P2	900.00	1458000000000.00	0.46	3.51	O.K	0.13	0.23	O.k	46.31	0.09	0.07	0.12	O.k	0.60
G2	PISO2	G2P2	900.00	1458000000000.00	0.46	3.51	O.K	0.13	0.23	O.k	46.31	0.09	0.07	0.12	O.k	0.60
G2	PISO2	G2P3	1750.00	1071875000000.00	0.43	3.51	O.K	0.12	0.20	O.k	86.55	0.06	0.10	0.12	O.k	0.87
G2	PISO2	G2P3	1750.00	1071875000000.00	0.43	3.51	O.K	0.12	0.20	O.k	86.55	0.06	0.10	0.12	O.k	0.87
G2	PISO2	G2P3	1750.00	1071875000000.00	0.43	3.51	O.K	0.12	0.20	O.k	86.55	0.06	0.10	0.12	O.k	0.87
G2	PISO2	G2P4	850.00	122825000000.00	0.42	3.51	O.K	0.12	0.21	O.k	42.58	0.06	0.06	0.12	O.k	0.55
G2	PISO2	G2P4	850.00	122825000000.00	0.30	3.51	O.K	0.09	0.09	O.k	42.58	0.06	0.09	0.12	O.k	0.82
G2	PISO2	G2P4	850.00	122825000000.00	0.30	3.51	O.K	0.09	0.09	O.k	42.58	0.06	0.09	0.12	O.k	0.82
G2	PISO2	G2P5	4755.00	2150213377500000.00	0.31	3.51	O.K	0.09	0.18	O.k	275.11	0.10	0.14	0.12	O.k	1.19
G2	PISO2	G2P5	4755.00	2150213377500000.00	0.20	3.51	O.K	0.06	0.09	O.k	275.11	0.10	0.15	0.12	O.k	1.27
G2	PISO2	G2P5	4755.00	2150213377500000.00	0.31	3.51	O.K	0.09	0.18	O.k	275.11	0.10	0.14	0.12	O.k	1.19
G2	PISO2	G2P6	6335.00	5084752967500000.00	0.26	3.51	O.K	0.07	0.13	O.k	322.97	0.06	0.15	0.12	O.k	1.32
G2	PISO2	G2P6	6335.00	5084752967500000.00	0.18	3.51	O.K	0.05	0.08	O.k	322.97	0.06	0.16	0.12	O.k	1.34
G2	PISO2	G2P6	6335.00	5084752967500000.00	0.26	3.51	O.K	0.07	0.13	O.k	322.97	0.06	0.15	0.12	O.k	1.32
G2	PISO2	G2P7	980.00	188238400000.00	0.10	3.51	O.K	0.03	0.08	O.k	51.72	0.09	0.00	0.12	O.k	0.00
G2	PISO2	G2P7	980.00	188238400000.00	0.34	3.51	O.K	0.10	0.14	O.k	51.72	0.09	0.04	0.12	O.k	0.35
G2	PISO2	G2P7	980.00	188238400000.00	0.34	3.51	O.K	0.10	0.14	O.k	51.72	0.09	0.04	0.12	O.k	0.35
G2	PISO2	G2P8	500.00	25000000000.00	0.36	3.51	O.K	0.10	0.23	O.k	23.07	0.06	0.04	0.11	O.k	0.38
G2	PISO2	G2P8	500.00	25000000000.00	0.45	3.51	O.K	0.13	0.23	O.k	23.07	0.06	0.06	0.11	O.k	0.49
G2	PISO2	G2P8	500.00	25000000000.00	0.45	3.51	O.K	0.13	0.23	O.k	23.07	0.06	0.06	0.11	O.k	0.49
G2	PISO2	G2P9	500.00	25000000000.00	0.44	3.51	O.K	0.13	0.22	O.k	22.21	0.07	0.06	0.11	O.k	0.53
G2	PISO2	G2P9	500.00	25000000000.00	0.32	3.51	O.K	0.09	0.11	O.k	22.21	0.07	0.07	0.11	O.k	0.60
G2	PISO2	G2P9	500.00	25000000000.00	0.32	3.51	O.K	0.09	0.11	O.k	22.21	0.07	0.07	0.11	O.k	0.60
G2	PISO2	G2P10	2865.00	480250008250000.00	0.23	3.51	O.K	0.07	0.13	O.k	151.55	0.09	0.04	0.12	O.k	0.30
G2	PISO2	G2P10	2865.00	480250008250000.00	0.27	3.51	O.K	0.08	0.14	O.k	151.55	0.09	0.08	0.12	O.k	0.65
G2	PISO2	G2P10	2865.00	480250008250000.00	0.27	3.51	O.K	0.08	0.14	O.k	151.55	0.09	0.08	0.12	O.k	0.65
G2	PISO2	G2P11	2110.00	187878620000000.00	0.37	3.51	O.K	0.11	0.17	O.k	105.06	0.06	0.10	0.12	O.k	0.82
G2	PISO2	G2P11	2110.00	187878620000000.00	0.37	3.51	O.K	0.11	0.17	O.k	105.06	0.06	0.10	0.12	O.k	0.82
G2	PISO2	G2P11	2110.00	187878620000000.00	0.29	3.51	O.K	0.08	0.11	O.k	105.06	0.06	0.09	0.12	O.k	0.77
G2	PISO2	G2P12	4200.00	1481760000000000.00	0.30	3.51	O.K	0.08	0.14	O.k	199.63	0.06	0.12	0.12	O.k	1.03
G2	PISO2	G2P12	4200.00	1481760000000000.00	0.24	3.51	O.K	0.07	0.10	O.k	199.63	0.06	0.12	0.12	O.k	1.05
G2	PISO2	G2P12	4200.00	1481760000000000.00	0.30	3.51	O.K	0.08	0.14	O.k	199.63	0.06	0.12	0.12	O.k	1.03
G2	PISO2	G2P13	2610.00	355591620000000.00	0.22	3.51	O.K	0.06	0.11	O.k	126.36	0.06	0.04	0.12	O.k	0.35
G2	PISO2	G2P13	2610.00	355591620000000.00	0.36	3.51	O.K	0.10	0.15	O.k	126.36	0.06	0.09	0.12	O.k	0.82
G2	PISO2	G2P13	2610.00	355591620000000.00	0.33	3.51	O.K	0.09	0.12	O.k	126.36	0.06	0.09	0.12	O.k	0.76

ZONA	STORY	MURO	FLEXO-COMPRESION						ESF. COMBINADOS		CORTANTE					
			c	I	fb	Fb_{adm}	$fb<=Fb_{adm}$	INDICE DE SOBRE ESFUERZO	$(F_a/Fa_{adm})+(Fb/Fb_{adm})$		AXIAL CM	fam	fv	Fv_{adm}	$fv<=Fv_{adm}$	INDICE DE SOBRE ESFUERZO
			(mm)	(mm^4)	(Mpa)	(Mpa)					KN	(Mpa)	(Mpa)	(Mpa)		
G2	PISO2	G2P14	1325.00	4652406625000.00	0.36	3.51	O.K	0.10	0.17	O.k	58.35	0.07	0.08	0.11	O.k	0.66
G2	PISO2	G2P14	1325.00	4652406625000.00	0.36	3.51	O.K	0.10	0.17	O.k	58.35	0.07	0.08	0.11	O.k	0.66
G2	PISO2	G2P14	1325.00	4652406625000.00	0.36	3.51	O.K	0.10	0.17	O.k	58.35	0.07	0.08	0.11	O.k	0.66
G2	PISO2	G2P15	1150.00	3041750000000.00	0.16	3.51	O.K	0.05	0.12	O.k	74.48	0.11	0.01	0.12	O.k	0.11
G2	PISO2	G2P15	1150.00	3041750000000.00	0.38	3.51	O.K	0.11	0.17	O.k	74.48	0.11	0.06	0.12	O.k	0.46
G2	PISO2	G2P15	1150.00	3041750000000.00	0.38	3.51	O.K	0.11	0.17	O.k	74.48	0.11	0.06	0.12	O.k	0.46
G1	PISO2	G1P60	4465.00	1780304892500.00	0.26	3.51	O.K	0.07	0.16	O.k	364.48	0.14	0.03	0.13	O.k	0.22
G1	PISO2	G1P60	4465.00	1780304892500.00	0.32	3.51	O.K	0.09	0.15	O.k	364.48	0.14	0.13	0.13	O.k	1.03
G1	PISO2	G1P60	4465.00	1780304892500.00	0.38	3.51	O.K	0.11	0.19	O.k	364.48	0.14	0.12	0.13	O.k	0.95
G2	PISO2	G2P16	2175.00	2057821875000.00	0.35	3.51	O.K	0.10	0.17	O.k	113.47	0.09	0.11	0.12	O.k	0.97
G2	PISO2	G2P16	2175.00	2057821875000.00	0.35	3.51	O.K	0.10	0.17	O.k	113.47	0.09	0.11	0.12	O.k	0.97
G2	PISO2	G2P16	2175.00	2057821875000.00	0.25	3.51	O.K	0.07	0.09	O.k	113.47	0.09	0.11	0.12	O.k	0.93
G2	PISO2	G2P17	775.00	93096875000.00	0.33	3.51	O.K	0.09	0.19	O.k	63.75	0.14	0.04	0.13	O.k	0.34
G2	PISO2	G2P17	775.00	93096875000.00	0.44	3.51	O.K	0.12	0.20	O.k	63.75	0.14	0.06	0.13	O.k	0.45
G2	PISO2	G2P17	775.00	93096875000.00	0.44	3.51	O.K	0.12	0.20	O.k	63.75	0.14	0.06	0.13	O.k	0.45
G2	PISO2	G2P18	450.00	18225000000.00	0.14	3.51	O.K	0.04	0.10	O.k	27.13	0.10	0.00	0.12	O.k	0.02
G2	PISO2	G2P18	450.00	18225000000.00	0.31	3.51	O.K	0.09	0.15	O.k	27.13	0.10	0.03	0.12	O.k	0.22
G2	PISO2	G2P18	450.00	18225000000.00	0.31	3.51	O.K	0.09	0.15	O.k	27.13	0.10	0.03	0.12	O.k	0.22
G2	PISO2	G2P19	6930.00	6656251140000.00	0.18	3.51	O.K	0.05	0.11	O.k	346.80	0.08	0.05	0.12	O.k	0.46
G2	PISO2	G2P19	6930.00	6656251140000.00	0.17	3.51	O.K	0.05	0.08	O.k	346.80	0.08	0.13	0.12	O.k	1.15
G2	PISO2	G2P19	6930.00	6656251140000.00	0.22	3.51	O.K	0.06	0.12	O.k	346.80	0.08	0.13	0.12	O.k	1.08
G2	PISO2	G2P20	405.00	13286025000.00	0.69	3.51	O.K	0.20	0.30	O.k	34.09	0.14	0.07	0.13	O.k	0.53
G2	PISO2	G2P20	405.00	13286025000.00	0.69	3.51	O.K	0.20	0.30	O.k	34.09	0.14	0.07	0.13	O.k	0.53
G2	PISO2	G2P20	405.00	13286025000.00	0.69	3.51	O.K	0.20	0.30	O.k	34.09	0.14	0.07	0.13	O.k	0.53

4.11.3 Parámetros análisis de elementos Madera

MADERAS DE ACUERDO AL TITLO G DE LA NSR-10

ESFUERZOS ADMISIBLES (MPa)

GRUPO	Fb	Ft	Fc	Fp	Fv
ES1	**29.5**	21	23	6	2
ES2	**28.5**	20	22	4.3	2
ES3	**23**	17	19	3.8	1.6
ES4	**17**	12	15	2.8	1.5
ES5	**15**	11	13	2	1.1
ES6	**12.5**	9	10	1.5	1.3

MODULOS DE ELASTICIDAD LONGITUDINAL (MPa)

GRUPO	E 0.5	E 0.05	Emin
ES1	**18000**	**13250**	7130
ES2	**18000**	**13250**	7130
ES3	**14000**	**11000**	5500
ES4	**12500**	**10000**	5000
ES5	**11200**	**8250**	4435
ES6	**9000**	**6500**	3564

COEFICIENTES DE MODIFICACION

Por Duracion de la carga CD

DURACION	Permanente

Duracion	Fb	Ft	Fc	Fp	Fv	Tipica carga diseño
Permanente	**0.9**	0.9	0.9	1	0.9	muerta
10 años	**1**	1	1	1	1	viva ocupacion
2 meses	**1.15**	1.15	1.15	1	1.15	
7 Dias	**1.25**	1.25	1.25	1	1.25	construccion
Diez Minutos	**1.6**	1.6	1.6	1	1.6	viento y terremoto
Impacto	**2**	2	2	1	2	impacto

Fb	0.90
Ft	0.90
Fc	0.90
Fp	1.00
Fv	0.90

Por Contenido de Humedad

Tabla G.2.2-4
Condiciones a considerar para la escogencia de Módulos de Esfuerzos Admisibles y de Elasticidad

Durante la construcción	En servicio	Esfuerzos admisibles	Módulos de elasticidad
CH ≤ 19%	CH ≤ 19%	CH ≤ 19%	CH ≤ 19%
* CH ≤ 19%	* CH ≤ 19%	* CH = 12%	* CH = 12%
CH ≤ 12%	CH ≤ 12%	CH = 12%	CH = 12%
CH ≤ 12%	CH > 19%	CH > 19%	CH = 12%

* Solo si:
a) Espesor de la Madera no excede de 50 mm.
b) La carga total de diseño se aplique cuando CH=12% y las cargas no originen esfuerzos efectivos mayores a los admisibles en condición verde

Construccion
CH < =12%
Servicio
CH < =12%

Esfuerzos		CH < =12%	CH > 19%		Utilizar
Flexion	Fb	1.000	0.800	Fb	1.00
tension	Ft	1.000	0.800	Ft	1.00
compresion paralela	Fc	1.000	0.750	Fc	1.00
compresion perpendicular	Fp	1.000	0.600	Fp	1.00
cortante	Fv	1.000	0.850	Fv	1.00
Elasticidad	E0.5	1.000	0.850	E0.5	1.00
	E0.05	1.000	0.850	E0.05	1.00
	Emin	1.000	0.850	Emin	1.00

Por Temperatura

Parametro	Condicion Servicio	Temperatura °C		
		< = 37.8 °	37.8 °a 51.7°	**51.7° a 65°**
Ft, E0.5, E0.05, E min	Humedo Seco	1.000	0.900	0.900
Fb, Fv, Fc, Fc paralela	Seco	1.000	0.800	0.700
	Humedo	1.000	0.700	0.500

< = 37.8 °	Humedo
Fb	1.00
Ft	1.00
Fc	1.00
Fp	1.00
Fv	1.00
E0.5	1.00
E0.05	1.00
Emin	1.00

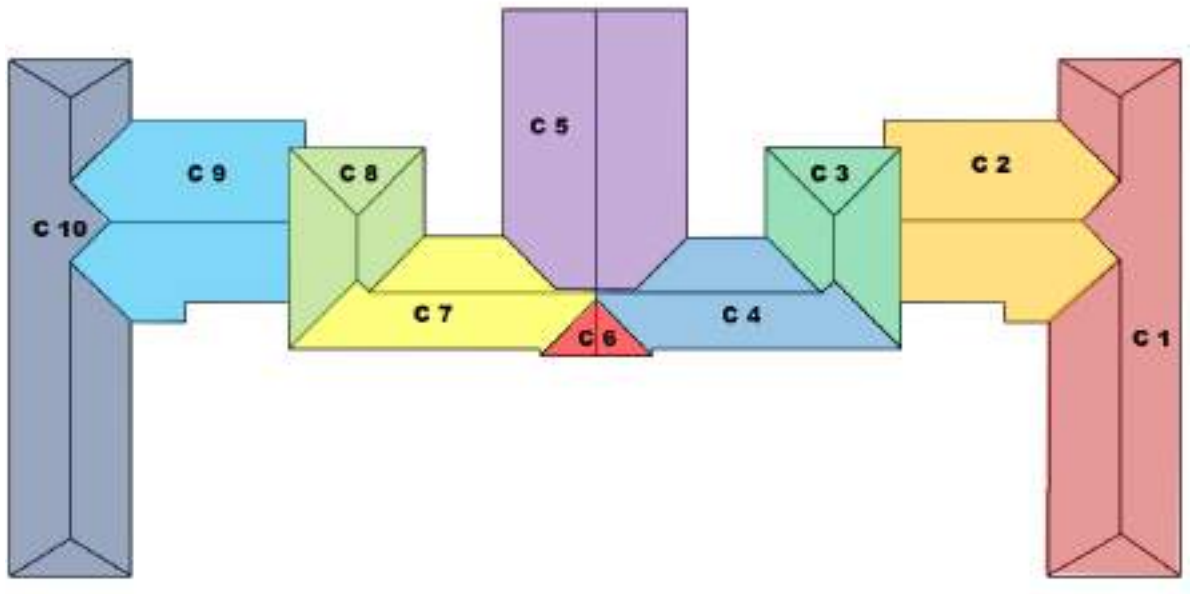
ESFUERZOS ADMISIBLES A

GRUPO	Fb	Ft	Fc	Fp	Fv
ES1	**26.55**	18.9	20.7	6	1.8
ES2	**25.65**	18	19.8	4.3	1.8
ES3	**20.7**	15.3	17.1	3.8	1.44
ES4	**15.3**	10.8	13.5	2.8	1.35
ES5	**13.5**	9.9	11.7	2	0.99
ES6	**11.25**	8.1	9	1.5	1.17

MODULOS DE ELASTICIDAD LONGITUDINAL A UTILIZAR (MPa)

GRUPO	E´ 0.5	E´0.05	Emin
ES1	18000.00	13250.00	7130.00
ES2	18000.00	13250.00	7130.00
ES3	14000.00	11000.00	5500.00
ES4	12500.00	10000.00	5000.00
ES5	11200.00	8250.00	4435.00
ES6	9000.00	6500.00	3564.00

Para el análisis de los elementos que conforman los sistemas de cubierta, se genera una revisión de cada una de las tipologías de cerchas presentadas en la caracterización de crujías con la cual se realizó el levantamiento e informe de sanidad de maderas, de esta amanera se tiene la siguiente configuraicon, donde C# indica el número de crujía asignada a la zona de estudio.



Para el análisis de los elementos de madera se establecieron los diversos tipos de madera con base en los resultados del diagnóstico presentados en el informe de sanidad, los cuales se presenta a continuación:

TIPO BOTÁNICO Y COMERCIAL		ENCONTRADA EN ELEMENTOS ESTRUCTURALES COMO:	GRUPO ESTRUCTURAL	OBSERVACIONES
GÉNERO TIPO	NOMBRE COMERCIAL			
Calophyllum sp.	Aceite Maria	Tirantes, pares,	ES-4	
Cariniana sp.	Abarco	Puntal, Pendolón, tornapunta, tirante.	ES-4	Madera nueva en rehabilitaciones
Clathrotropis sp.	Sapan	Tablilla techumbre	ES-2	
Eucaliptus sp.	Eucalipto	Pendolón, correa	ES-5	Madera nueva
Hymatanthus sp.	Perillo	Vigas.	ES-4	
Hymenea sp.	Algarrobo	Tirantes.	ES-3	
Hyeronima sp.	Chuguacá	Par, pendolón, tirante, vigas	ES-5	
Ocotea sp.	Laurel comino	Cumbrera, pendolón, pares, viga, limatesa,	ES-3	
Pinus sp.	Pino tipo radiata	Vigas de entrepiso nuevas e inmunizadas.	ES-6	
Pinus sp.	Pino tipo pátula	Techumbre, listón	ES-6	
Quercus sp.	Roble de clima frio	Vigas antiguas de entrepisos, tirantes, pares, sobre pares, limatesas.	ES 2	Susceptible al Hylotrupes.
Weinmannia sp.	Encenillo	Pendolón, par	ES-4	
Otras llamadas ordinarias		Diagonales, puntales, refuerzos, etc.	ES-3 a ES-5	

De acuerdo con lo anterior y con base en la conclusiones y recomendaciones del estudio de sanidad de maneras de entrepisos y cubiertas, se estableció la siguiente caracterización de para los elementos:

- La calidad estructural de las maderas de alta responsabilidad estructural se mueve entre los grupos ES 2 a ES 4. Para entrepisos entre ES 3 a ES 5. En techumbre desde ES 3 a ES 6.

De esta manera se realiza la revisión para los elementos tipo cercha para el Grupo ES2 y ES4, Correas como ES4 y Elementos de Entrepiso como ES3

4.11.4 Análisis de viento Crujía 1 y 2

CORPACERO Pioneros, Líderes y Expertos	Memorias de cálculo **ANALISIS DE CARGAS DE VIENTO NSR - 10 (Procedimiento Analítico)**	Fecha abril 11 / 2022
	Proyecto **CUBIERTA - ALCALDIA MENOR BARRIOS UNIDOS**	Aprobó

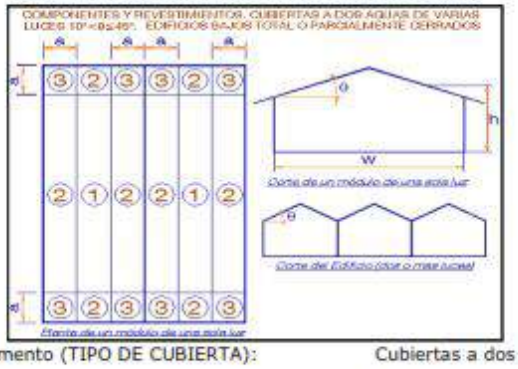
Fuerzas de Viento NSR-10

Análisis para Etapa:	Funcionamiento
Tipo Edificación:	Componentes y Revestimientos
Sistema Estructural:	Muros de Rigidez en Concreto
Clasificación de la Estructura:	Cerrado
Altura media de Cubierta (m):	8.85
Tipo de Elemento de Revestimiento:	Cubiertas
Tipo de Cubierta del Elemento:	Cubiertas a dos aguas varias luces
Longitud del Elemento (m):	3.42
Ancho Aferente del Elemento (m):	0.75
Dimensión Horizontal de la Estructura (Paralela al Viento) (L) (m):	14.02
Dimensión Horizontal de la Estructura (Normal al Viento) (B) (m):	16.33
Ángulo de la Cubierta (°)	20
Velocidad de Viento Básica (Km/h) (Ver Mapa):	100
Grupo de Uso de la Estructura:	III
Región de la Estructura (m):	Región sin huracanes
Rugosidad del Terreno:	Rugosidad B
Categoria de Exposición:	B
La Estructura cumple TODOS los Efectos Topográficos (Ver Ayuda):	No

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

CORPACERO Pioneros, Líderes y Expertos	Memorias de cálculo **ANALISIS DE CARGAS DE VIENTO NSR - 10 (Procedimiento Analítico)**	Fecha abril 11 / 2012
	Proyecto **CUBIERTA - ALCALDIA MENOR BARRIOS UNIDOS**	Aprobó

TIPO DE ESTRUCTURA: **Componentes y Revestimientos**



Tipo de Cubierta a la que pertenece el Elemento (TIPO DE CUBIERTA):	Cubiertas a dos aguas varias luces
Longitud del Elemento (m):	3.42
Aferencia del Elemento (Separación entre Correas) (m):	0.75
Área Efectiva contra Viento (m²):	2.56
Altura Media de la Estructura (h) (m):	8.85
Dimensión Horizontal de la Estructura (Paralela al Viento) (L) (m):	14.02
Dimensión Horizontal de la Estructura (Normal al Viento) (B) (m):	16.33
Ángulo de Inclinación de la Cubierta (Barlovento) :	20
Ángulo de Inclinación de la Cubierta (Sotavento) :	0
Periódo del Edificio (T) (seg):	0.25
Clasificación de la Estructura:	
ESTRUCTURA:	RIGIDA
EDIFICIO:	Cerrado
EDIFICIO:	Bajo
FLUJO DE VIENTO:	
TIPO DE CUBIERTA:	Una Pendiente
Velocidad de Viento Básica (Según Mapa) (V) (m/s):	28
Factor de Dirección de Viento (Kd):	0.85
Uso de la Estructura (grupo):	III
Tipo de Región de la Estructura (Clase):	Región sin huracanes
Factor de Importancia (I):	1.15

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Rugosidad de Terreno :	Rugosidad B
Altura de la Estructura por encima del Terreno (Z) (m):	9
Exponente para la ley potencial de la velocidad de ráfaga de 3 seg. (α) (-):	7
Altura nominal de la Capa Atmosférica Limite (Zg) (m):	365.8
Categoría de Exposición :	B
Coeficiente de Exposición de Presión por Velocidad (Kh):	0.7
Su Estructura cumple TODOS los Efectos Topográficos:	No
Factor Topográfico (Kzt):	1
Altura Equivalente de la Estructura (Zb) (m):	9
Factor de Escala de Longitud Integral (l) (m):	97.5
Exponente para la Ley Potencial (εb) (-):	1/3
Longitud Integral a Escala de la Turbulencia (Lzb) (m):	94.14
Factor de Respuesta del Entorno (Q) (-):	0.887
Intensidad de Turbulencia a la Altura zb (Izb) (-):	0.305
Factor Pico para Respuesta del Entorno y Viento respectivamente (gQ = gv) (-):	3.4
Velocidad de Viento Promedia por una hora a una altura z (Vbzb) (m/s):	12.272
Coeficiente de Amortiguamiento Critico (β) (-):	0.02
Frecuencia Natural del Edificio (η1) (Hz):	3.98
Frecuencia para RL (ηRL) (Hz):	70.02
Frecuencia para RB (ηRB) (Hz):	24.361
Frecuencia para Rh (ηRh) (Hz):	13.202
Factor de Respuesta para L (RL) (-):	0.014
Factor de Respuesta para B (RB) (-):	0.04
Factor de Respuesta para h (Rh) (-):	0.073
Frecuencia Reducida (N1) (-):	30.528
Valor (Rn) (-):	0.016
Factor de Respuesta de Resonancia (R) (-):	0.035
Factor Pico para Respuesta de Resonancia (gR) (-):	4.507
Presión de Velocidad (qh) (Kg/m²):	32.762
Factor de Efecto Ráfaga (G) (-):	0.858

Coeficiente de Presión Interna (GCpi+) (-): 0.18

Coeficiente de Presión Interna (GCpi-) (-): -0.18

a (m): 1.4

Coeficientes de Presión Externa CUBIERTA Edificios Bajos (C & R):

Zona 1	GCp+ (-)	0.542
	GCp- (-)	-1.542
Zona 2	GCp+ (-)	0.542
	GCp- (-)	-2.056
Zona 2'	GCp+ (-)	0.00
	GCp- (-)	0.00
Zona 3	GCp+ (-)	0.542
	GCp- (-)	2.056
Zona 3'	GCp+ (-)	0.00
	GCp- (-)	0.00

Presiones de Diseño CUBIERTA (Cubiertas a dos aguas de varias luces 10° < θ ≤ 45°) Edificios Bajos (C & R):

Zona 1	P. Dis. con GCp+ y con GCpi+ (kg/m²)	11.86
	P. Dis. con GCp+ y con GCpi- (kg/m²)	23.654
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-56.417
	P. Dis. con GCp- y con GCpi- (kg/m²)	-44.622
Zona 2	P. Dis. con GCp+ y con GCpi+ (kg/m²)	11.86
	P. Dis. con GCp+ y con GCpi- (kg/m²)	23.654
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-73.257
	P. Dis. con GCp- y con GCpi- (kg/m²)	-61.462
Zona 3	P. Dis. con GCp+ y con GCpi+ (kg/m²)	11.86
	P. Dis. con GCp+ y con GCpi- (kg/m²)	23.654
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-73.257
	P. Dis. con GCp- y con GCpi- (kg/m²)	-61.462

*El NSR-10 [B.6.1.3] estipula que la presión de diseño no será menor de 0.40kN/m² (40 kg/m²)

4.11.5 Verificación Cubiertas Crujía 1.

4.11.5.1 Tipo 1

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA CRUJIA 1

Corresponde al analisis de la crujia 1 cerchas CH1, CH2 y C H11, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

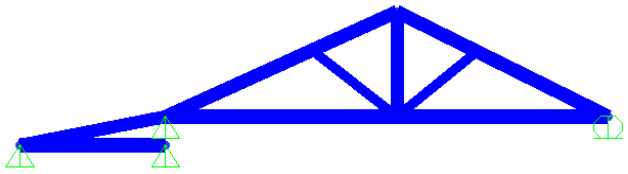
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 61.59 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.50	142.50	75.00	**75.00**	**92.39**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.70	242.25	127.50	**127.50**	**157.06**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM								C.M.	=	Carga Muerta
2 .	1.00 CM	+	1.00 CV						C.V.	=	Carga Viva
3 .	1.00 CM					+	1.00 G		W	=	Carga de viento
4 .	1.00 CM	+	0.75 CV						G	=	Carga Granizo
5 .	1.00 CM					+	0.75 G				
6 .	1.00 CM			+	1.00 W						
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None
COMB5	G			
COMB6	D	None	None	None
COMB6	W			

COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		

COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR 20X9	N.A.	Default
2	Rectangular	N.A.	TIR 20X9	N.A.	Default
6	Rectangular	N.A.	TORN 12X12	N.A.	Default
7	Rectangular	N.A.	TORN 12X12	N.A.	Default
8	Rectangular	N.A.	PEN 18X11	N.A.	Default
9	Rectangular	N.A.	PAR 18X11	N.A.	Default
11	Rectangular	N.A.	PAR 18X11	N.A.	Default
14	Rectangular	N.A.	PAR 18X11	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
1/2"	A615Gr60	Circle	0.0127			
PAR 18X11	M-ES2	Rectangular	0.18	0.11		
PEN 18X11	M-ES2	Rectangular	0.18	0.11		
PUNT 10X8	M-ES2	Rectangular	0.08	0.1		
TIR 20X9	M-ES2	Rectangular	0.2	0.09		
TORN 12X12	M-ES2	Rectangular	0.12	0.12		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
1/2"	0.000127	2.554E-09	1.277E-09	1.277E-09	0.	0.000114	0.000114
PAR 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PEN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PUNT 10X8	0.008	8.759E-06	4.267E-06	6.667E-06	0.	0.006667	0.006667
TIR 20X9	0.018	0.000035	0.00006	0.000012	0.	0.015	0.015
TORN 12X12	0.0144	0.000029	0.000017	0.000017	0.	0.012	0.012
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
1/2"	2.011E-07	2.011E-07	3.414E-07	3.414E-07	0.003175	0.003175	
PAR 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PEN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PUNT 10X8	0.000107	0.000133	0.00016	0.0002	0.023094	0.028868	
TIR 20X9	0.0006	0.00027	0.0009	0.000405	0.057735	0.025981	

TORN 12X12	0.000288	0.000288	0.000432	0.000432	0.034641	0.034641	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
1/2"	No	No	Red	0.	0.	No	1.
PAR 18X11	No	No	Cyan	130.47	13.3	No	1.
PEN 18X11	No	No	White	20.79	2.12	No	1.
PUNT 10X8	No	No	Cyan	0.	0.	No	1.
TIR 20X9	No	No	Magenta	109.87	11.2	No	1.
TORN 12X12	No	No	Blue	31.12	3.17	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
1/2"	1.	1.	1.	1.	1.	1.	1.
PAR 18X11	1.	1.	1.	1.	1.	1.	1.
PEN 18X11	1.	1.	1.	1.	1.	1.	1.
PUNT 10X8	1.	1.	1.	1.	1.	1.	1.
TIR 20X9	1.	1.	1.	1.	1.	1.	1.
TORN 12X12	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
1/2"			
PAR 18X11			
PEN 18X11			
PUNT 10X8			
TIR 20X9			
TORN 12X12			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
1/2"	Added 20/07/2017 12:06:31 a. m.

PAR 18X11	Added 01/06/2017 00:06:46
PEN 18X11	Added 01/06/2017 00:08:01
PUNT 10X8	Added 01/06/2017 00:08:43
TIR 20X9	Added 01/06/2017 00:07:12
TORN 12X12	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		2.16	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.34	Primary	Gray8Dark	Yes	End
GLOBAL	X		5.59	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.79	Primary	Gray8Dark	Yes	End
GLOBAL	X		8.72	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		0.41	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.35	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.91	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	D	GLOBAL	0.	0.	-242.25	0.	0.
1	Lr	GLOBAL	0.	0.	-127.5	0.	0.
1	G	GLOBAL	0.	0.	-127.5	0.	0.
1	W	GLOBAL	0.	0.	-157.06	0.	0.

3	D	GLOBAL	0.	0.	-242.25	0.	0.
3	Lr	GLOBAL	0.	0.	-127.5	0.	0.
3	G	GLOBAL	0.	0.	-127.5	0.	0.
3	W	GLOBAL	0.	0.	-157.06	0.	0.
4	D	GLOBAL	0.	0.	-242.25	0.	0.
4	Lr	GLOBAL	0.	0.	-127.5	0.	0.
4	G	GLOBAL	0.	0.	-127.5	0.	0.
4	W	GLOBAL	0.	0.	-157.06	0.	0.
5	D	GLOBAL	0.	0.	-242.25	0.	0.
5	Lr	GLOBAL	0.	0.	-127.5	0.	0.
5	G	GLOBAL	0.	0.	-127.5	0.	0.
5	W	GLOBAL	0.	0.	-157.06	0.	0.
9	D	GLOBAL	0.	0.	-242.25	0.	0.
9	Lr	GLOBAL	0.	0.	-127.5	0.	0.
9	G	GLOBAL	0.	0.	-127.5	0.	0.
9	W	GLOBAL	0.	0.	-157.06	0.	0.
10	D	GLOBAL	0.	0.	-242.25	0.	0.
10	Lr	GLOBAL	0.	0.	-127.5	0.	0.
10	G	GLOBAL	0.	0.	-127.5	0.	0.
10	W	GLOBAL	0.	0.	-157.06	0.	0.
11	D	GLOBAL	0.	0.	-242.25	0.	0.
11	Lr	GLOBAL	0.	0.	-127.5	0.	0.
11	G	GLOBAL	0.	0.	-127.5	0.	0.
11	W	GLOBAL	0.	0.	-157.06	0.	0.
12	D	GLOBAL	0.	0.	-242.25	0.	0.
12	Lr	GLOBAL	0.	0.	-127.5	0.	0.
12	G	GLOBAL	0.	0.	-127.5	0.	0.
12	W	GLOBAL	0.	0.	-157.06	0.	0.
13	D	GLOBAL	0.	0.	-242.25	0.	0.
13	Lr	GLOBAL	0.	0.	-127.5	0.	0.
13	G	GLOBAL	0.	0.	-127.5	0.	0.
13	W	GLOBAL	0.	0.	-157.06	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
1	D	0.	d0b0724b-5542-4cda-8ea6-479c82571ae6
1	Lr	0.	7e4a078a-931c-461d-b701-2ea877ce9cdd
1	G	0.	5162ef70-d9f0-4f2d-be10-04bf52b0f6d3
1	W	0.	2de883ca-d1f3-4f45-a20a-6ee5dc82c1dd
3	D	0.	50a2809e-0bd7-4be4-a7e5-4c1156e02989
3	Lr	0.	78b61d65-9e4f-4ce5-92cc-a5dbaf86fd62
3	G	0.	301985c3-e3ce-4a17-837f-71bda3ec0bfd

3	W	0.	fb4e8a02-afc4-49f7-8ca0-e238cc1f9a75
4	D	0.	e98b83fd-0419-426e-88ff-cfa81cd74271
4	Lr	0.	869bb1c5-de03-4a4e-8972-d606fc831a90
4	G	0.	6f427bcc-ca4f-4d70-9483-506dcbd1aac9
4	W	0.	d2fce6ed-86f8-4e1b-a3f3-17f7619a6e0e
5	D	0.	169adfa2-114c-443c-b178-63cf131d212f
5	Lr	0.	c1cc72fc-7f55-4c4d-8919-571ca614d7eb
5	G	0.	8f6c13ec-f3fa-43fd-a99c-e31bddfc0e73
5	W	0.	fc6fbb12-2459-4f4e-b0d1-320c5d137583
9	D	0.	8406646a-bef7-473f-84d1-5734350d795e
9	Lr	0.	11553b72-937a-41e5-8e91-224016e2cbfd
9	G	0.	ee044449-1f32-4b6e-92c9-5ad002cdc9d6
9	W	0.	ddaa39f5-84ad-4cef-b895-d11ea0b5e091
10	D	0.	bbc9f958-b133-4c7e-83b5-504e82a27534
10	Lr	0.	864db001-eb71-4ffc-8e98-7be9542cb0cd
10	G	0.	32b2a0a2-52fc-4280-8492-384c4fc77d52
10	W	0.	89589aee-a8ab-4083-8f45-d9df173de221
11	D	0.	2a70c8d1-4a3c-4420-aae0-89c3738ee227
11	Lr	0.	1d609808-da7d-49c9-a612-2e298f31c42b
11	G	0.	befd8ace-d9ef-410d-8827-8a38b398eec7
11	W	0.	63c101c9-ca0f-4626-bb44-7455b3eb1b00
12	D	0.	958e72f3-782b-4132-ab9c-d8e5d5e3caf4
12	Lr	0.	33c3004a-7b10-482c-a2fe-e3b5218e59b9
12	G	0.	cd512536-10c8-40ed-91ef-e6b8cd3e6067
12	W	0.	f8b626b7-dcd2-4499-b2df-a57adb201741
13	D	0.	89487b2f-3766-4212-a53a-f40d9bfce127
13	Lr	0.	caa4ec7e-b7e3-4074-bfd2-7d8163333010
13	G	0.	0cd916bb-47c0-43c8-a411-cb1334bee2ac
13	W	0.	9b0b44f3-dbf4-4c97-94ec-9fe1b0599930

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

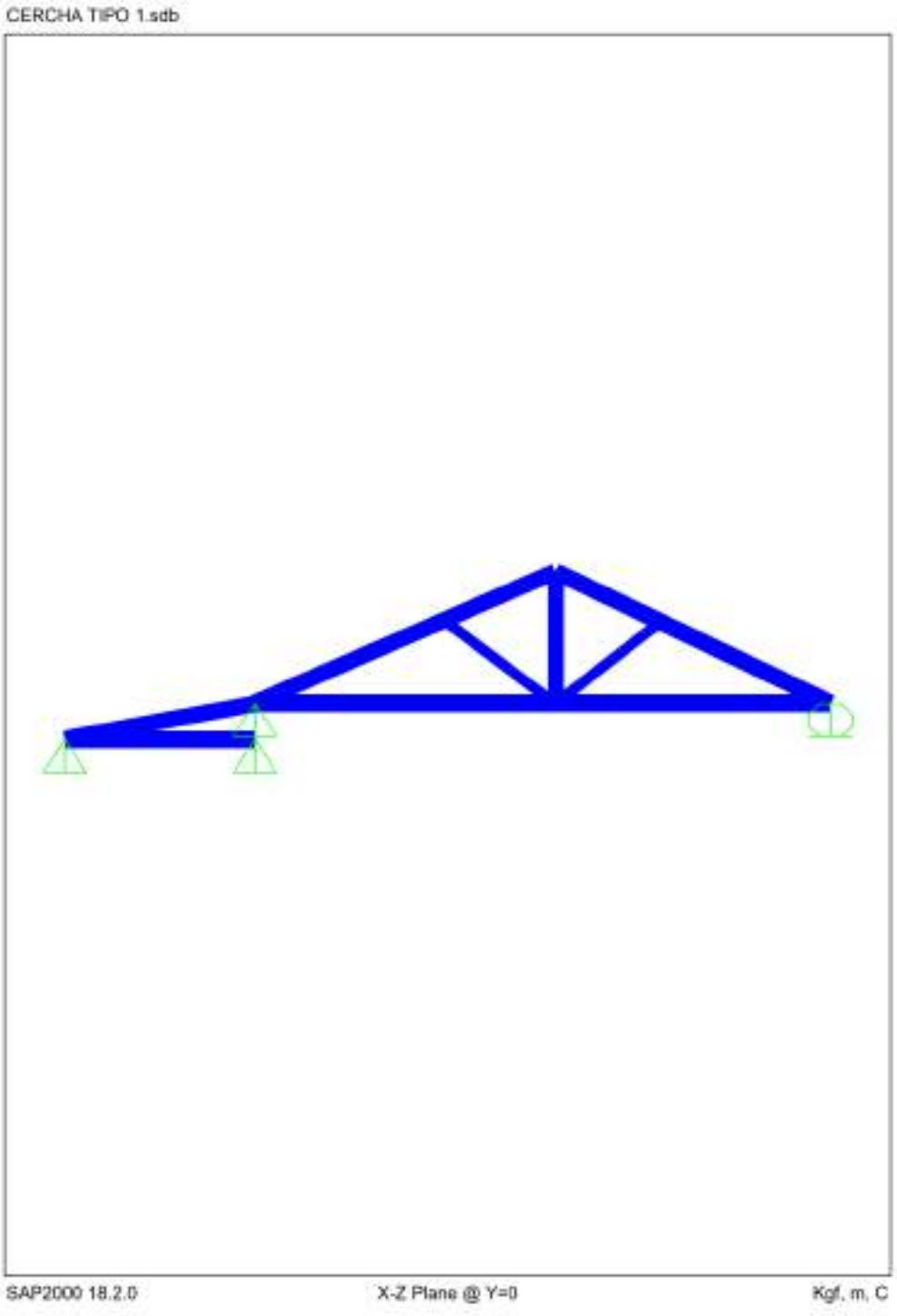
Table: Material Properties 01 - General, Part 1 of 2

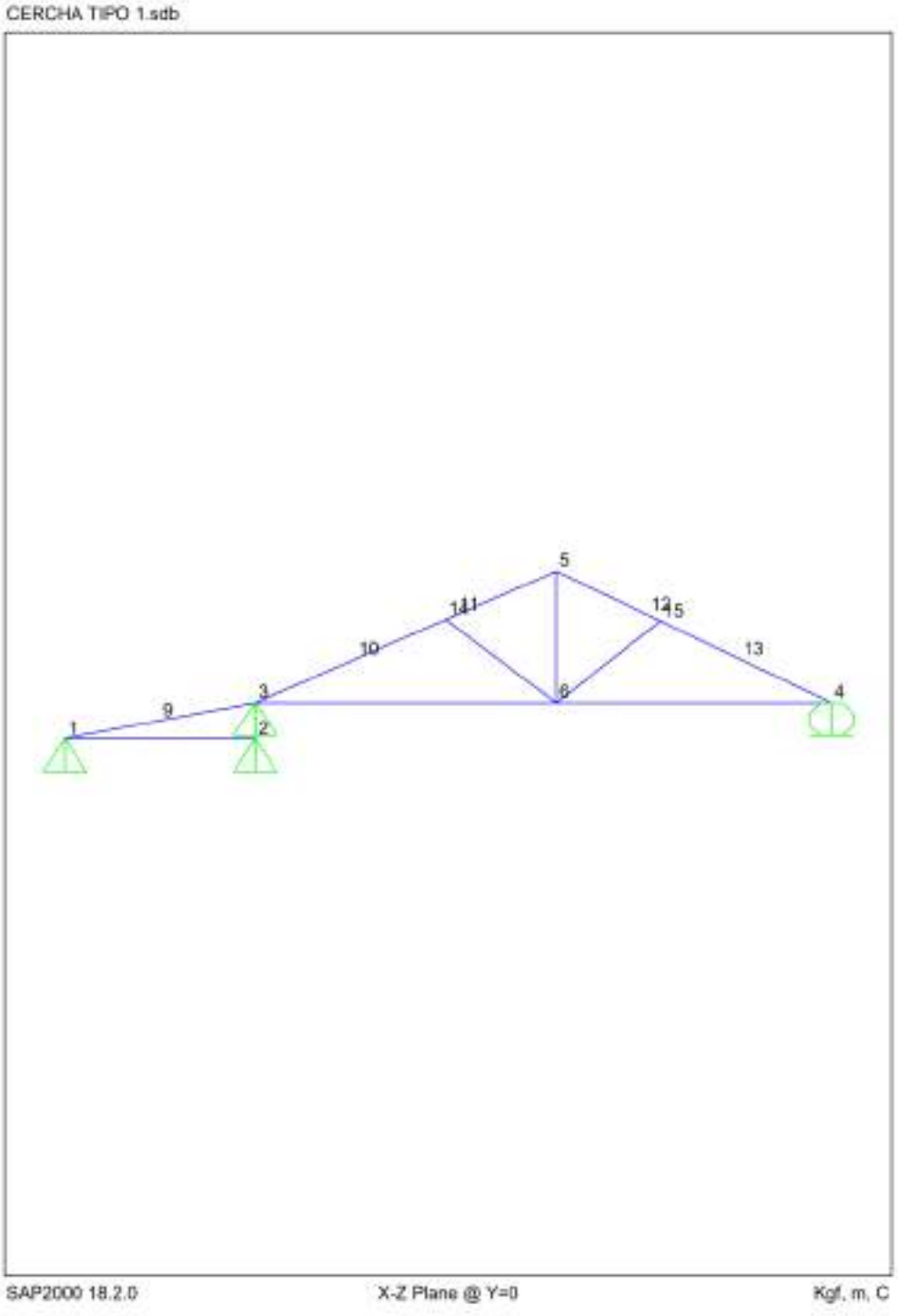
Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	

A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

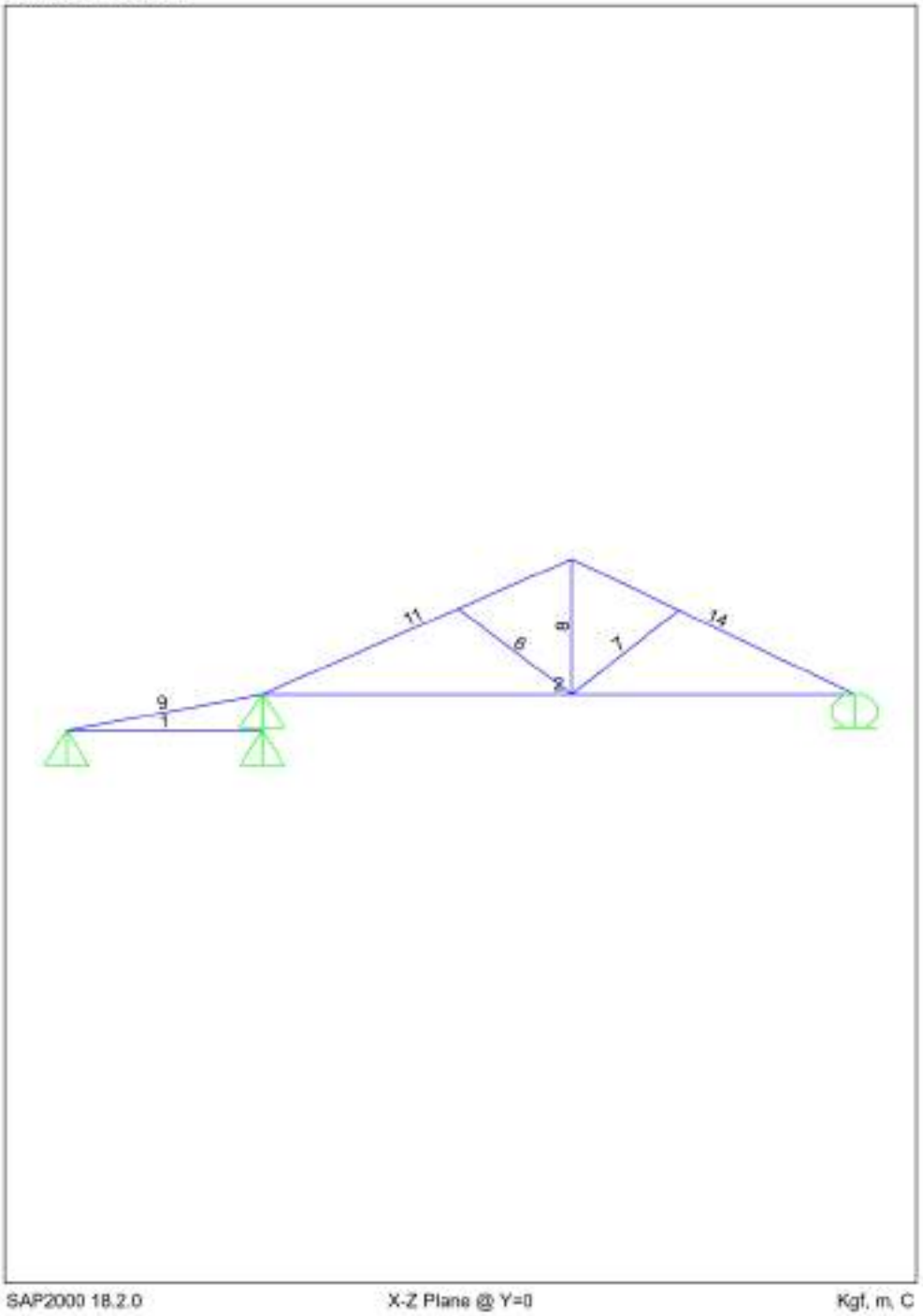
Table: Material Properties 01 - General, Part 2 of 2

Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

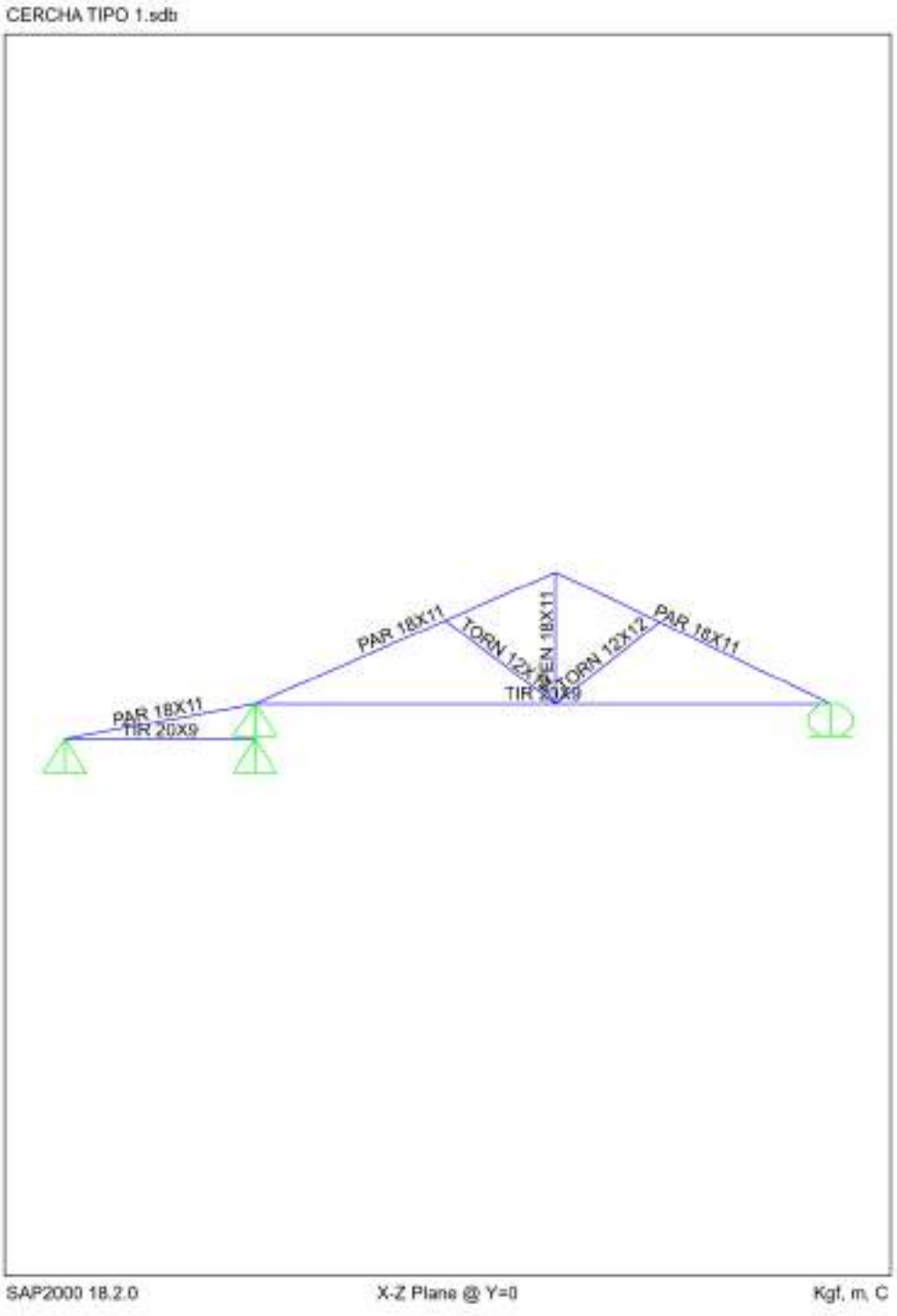

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X-Z Plane @ Y=0
Kgf, m, C

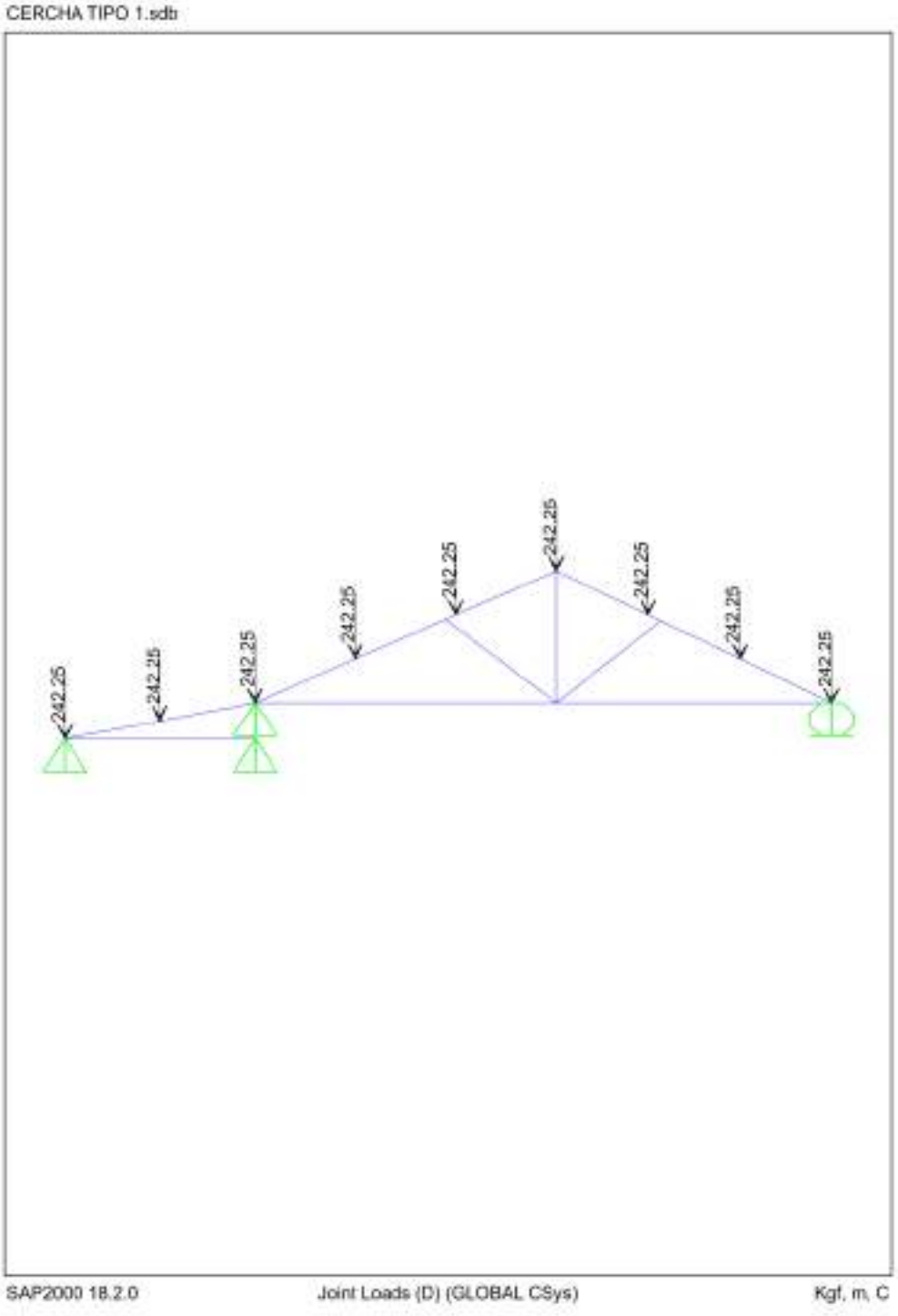

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5
11
14
12
15
10
13
3
6
4
9
1
2
SAP2000 18.2.0
X-Z Plane @ Y=0
Kgf, m, C

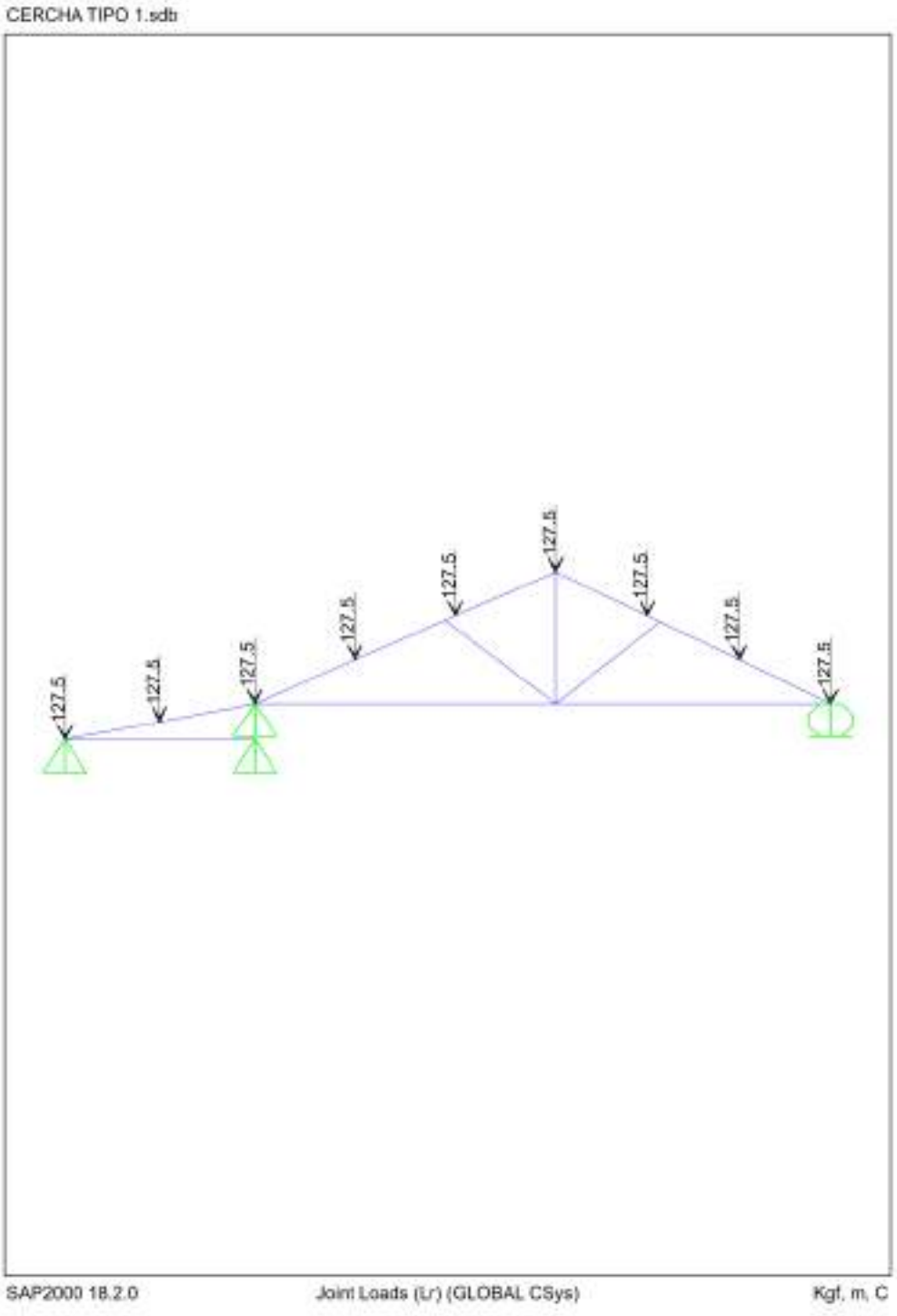
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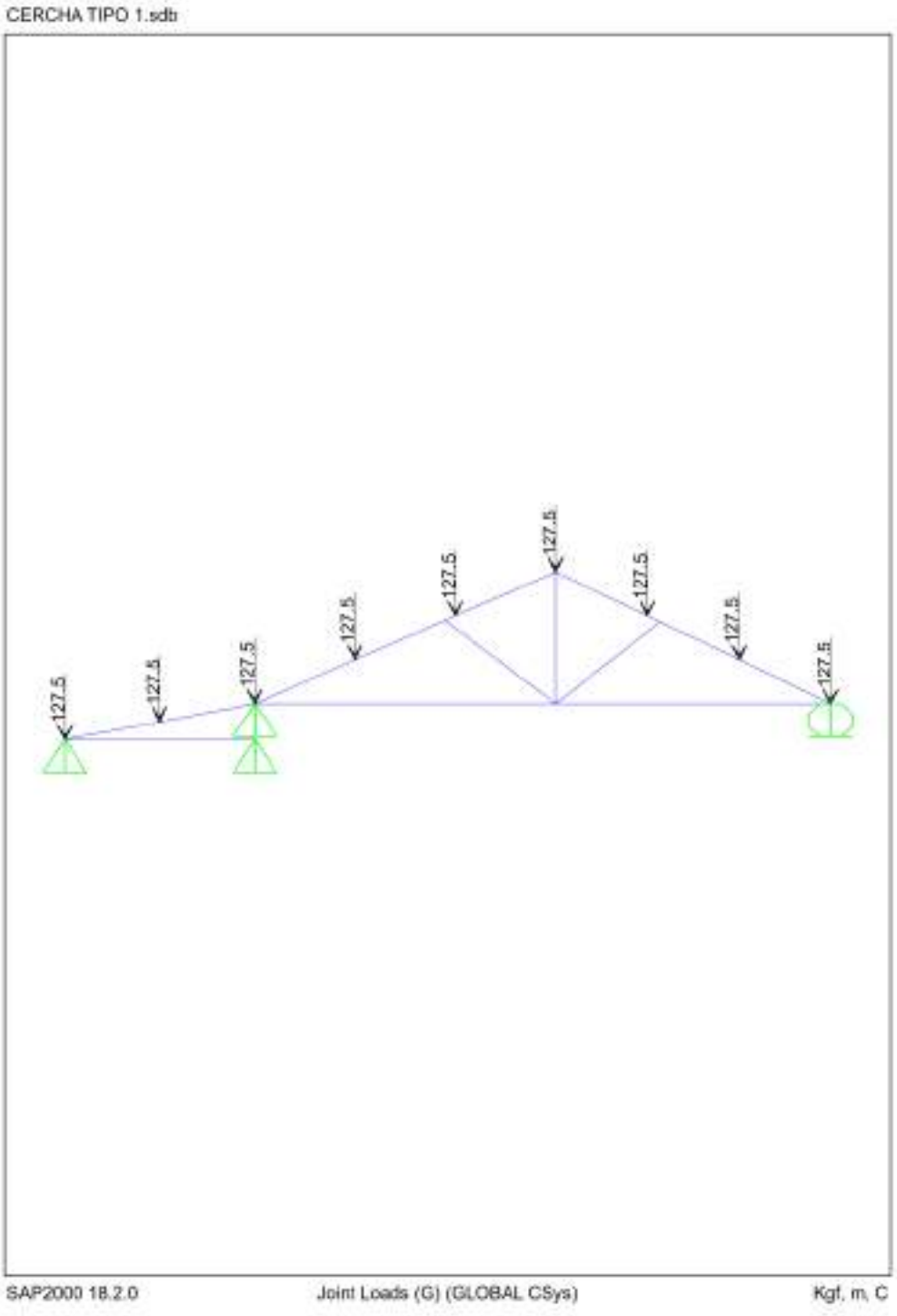


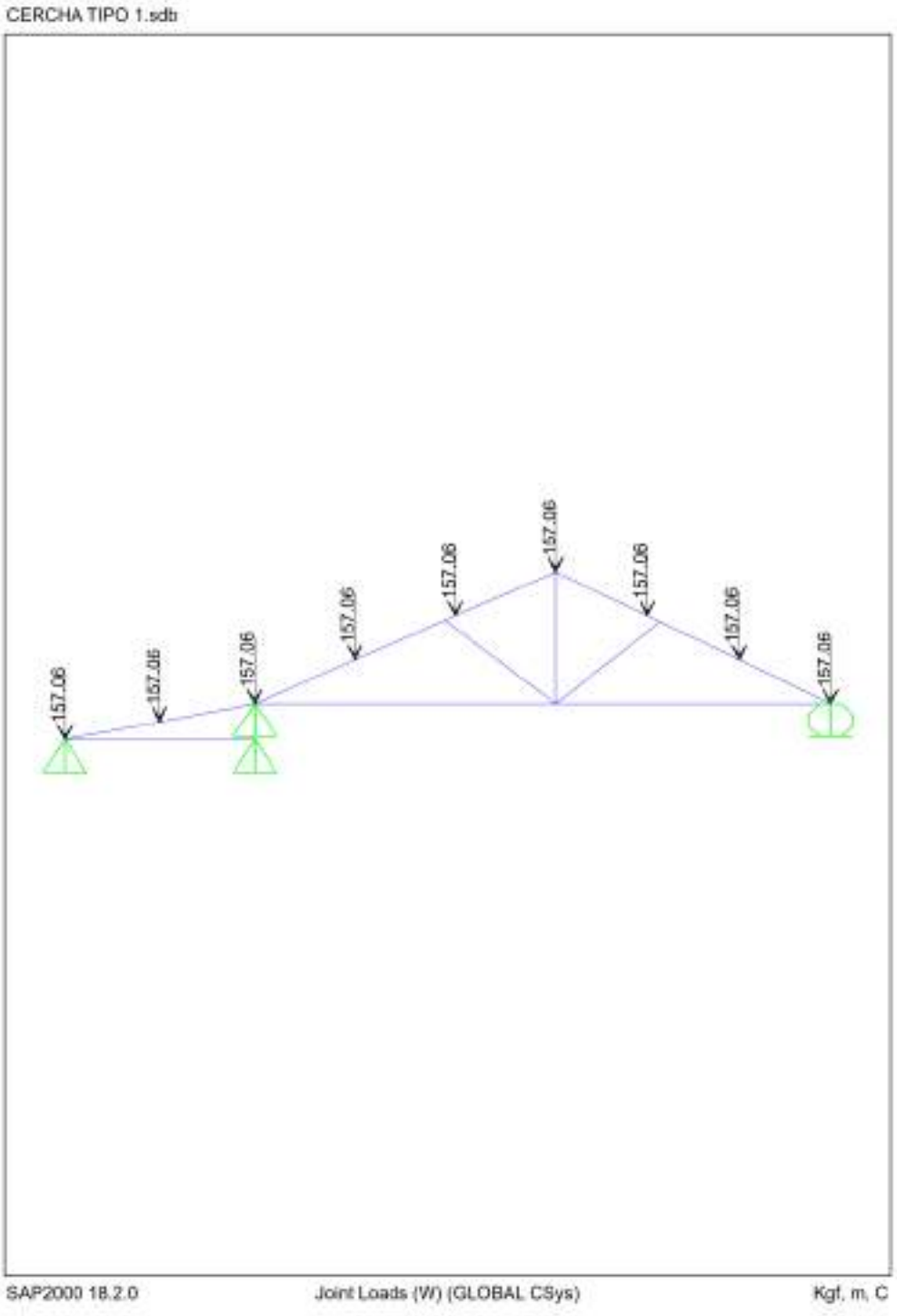
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C


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PAR 18X11
TORN 12X12
PEN 18X11
TORN 12X12
PAR 18X11
PAR 18X11
TIR 20X9
TIR 20X9
SAP2000 18.2.0
X-Z Plane @ Y=0
Kgf, m, C

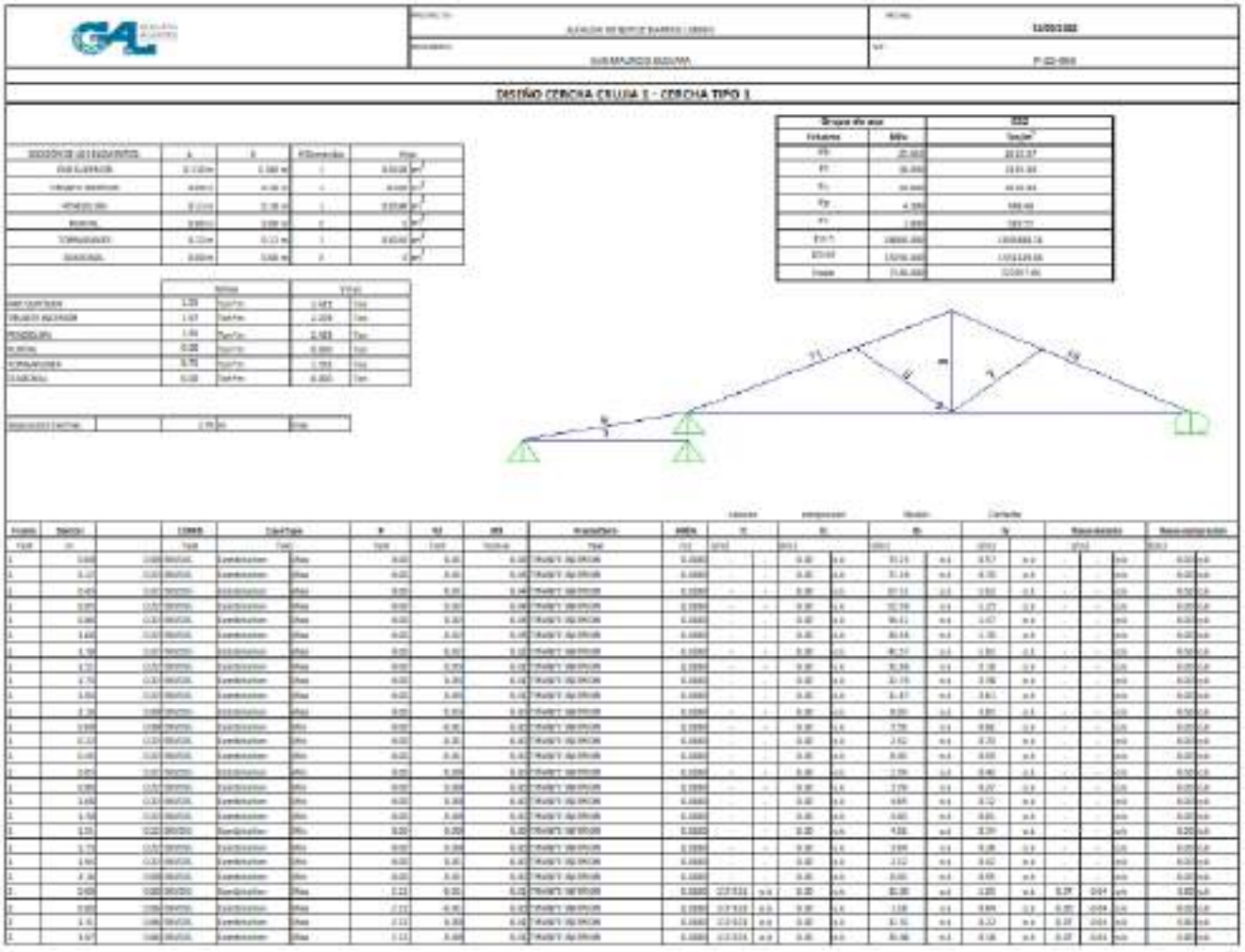

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242.25
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242.25
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242.25
SAP2000 18.2.0
Joint Loads (D) (GLOBAL CSys)
Kgf, m, C


CERCHA TIPO 1.sdb
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127.5
127.5
127.5
127.5
127.5
127.5
127.5
SAP2000 18.2.0
Joint Loads (Lr) (GLOBAL CSys)
Kgf, m, C


CERCHA TIPO 1.sdb
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127.5
127.5
127.5
127.5
127.5
127.5
127.5
SAP2000 18.2.0
Joint Loads (G) (GLOBAL CSys)
Kgf, m, C


CERCHA TIPO 1.sdb
157.06
157.06
157.06
157.06
157.06
157.06
157.06
157.06
157.06
SAP2000 18.2.0
Joint Loads (W) (GLOBAL CSys)
Kgf, m, C

Analisis de Elementos Grupo ES2



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	2.62	0.66	ENVOIS	Combination	Max	2.12	0.01	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	22.32	o.k	0.83	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.28	0.66	ENVOIS	Combination	Max	2.12	0.02	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	14.55	o.k	1.52	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.43	0.15	ENVOIS	Combination	Max	2.12	0.02	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	11.48	o.k	1.67	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.43	0.00	ENVOIS	Combination	Max	2.16	-0.01	0.01	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	11.48	o.k	1.10	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.94	0.51	ENVOIS	Combination	Max	2.16	-0.01	0.02	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	38.74	o.k	0.77	o.k	0.08	-0.03	o.k	0.00	o.k
2	4.59	0.66	ENVOIS	Combination	Max	2.16	0.00	0.04	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	65.98	o.k	0.37	o.k	0.09	-0.02	o.k	0.00	o.k
2	5.25	0.66	ENVOIS	Combination	Max	2.16	0.00	0.05	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	84.09	o.k	0.05	o.k	0.10	-0.01	o.k	0.00	o.k
2	5.90	0.66	ENVOIS	Combination	Max	2.16	0.01	0.06	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	93.08	o.k	0.52	o.k	0.10	-0.01	o.k	0.00	o.k
2	6.56	0.00	ENVOIS	Combination	Max	2.16	0.01	0.06	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	92.95	o.k	1.22	o.k	0.10	-0.01	o.k	0.00	o.k
2	0.00	0.00	ENVOIS	Combination	Min	0.06	-0.05	-0.02	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	37.85	o.k	2.52	o.k	0.02	0.01	o.k	0.00	o.k
2	0.66	0.66	ENVOIS	Combination	Min	0.06	-0.02	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	9.11	o.k	1.82	o.k	0.01	0.00	o.k	0.00	o.k
2	1.31	0.66	ENVOIS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	6.23	o.k	1.13	o.k	0.00	0.00	o.k	0.00	o.k
2	1.97	0.66	ENVOIS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	7.19	o.k	0.45	o.k	0.00	0.00	o.k	0.00	o.k
2	2.62	0.66	ENVOIS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	1.99	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
2	3.28	0.66	ENVOIS	Combination	Min	0.06	0.01	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	8.70	o.k	0.52	o.k	0.01	0.00	o.k	0.00	o.k
2	3.43	0.15	ENVOIS	Combination	Min	0.06	0.01	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	12.95	o.k	0.61	o.k	0.01	0.00	o.k	0.00	o.k
2	3.43	0.00	ENVOIS	Combination	Min	0.06	-0.04	-0.01	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	12.95	o.k	2.93	o.k	0.01	0.00	o.k	0.00	o.k
2	3.94	0.51	ENVOIS	Combination	Min	0.06	-0.05	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	2.32	o.k	2.40	o.k	0.00	0.00	o.k	0.00	o.k
2	4.59	0.66	ENVOIS	Combination	Min	0.06	-0.02	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	5.25	o.k	1.71	o.k	0.00	0.00	o.k	0.00	o.k
2	5.25	0.66	ENVOIS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	7.36	o.k	1.02	o.k	0.00	0.00	o.k	0.00	o.k
2	5.90	0.66	ENVOIS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	3.99	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
2	6.56	0.00	ENVOIS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	4.87	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.58	o.k	0.00	-	0.40	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.54	o.k	1.52	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.50	o.k	2.89	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.26	o.k	5.55	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.22	o.k	4.06	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.18	o.k	4.23	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.14	o.k	4.06	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.10	o.k	5.55	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.06	o.k	2.89	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOIS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	-	-	0.02	o.k	1.52	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOIS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	0.018	o.k	0.00	o.k	0.00	o.k	0.67	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOIS	Combination	Min	-0.69	-0.01	0.00	TORNAPUNTA	0.0144	-	-	47.69	o.k	0.00	-	0.67	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOIS	Combination	Min	-0.69	-0.01	0.00	TORNAPUNTA	0.0144	-	-	47.63	o.k	0.91	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.56	o.k	1.62	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.49	o.k	2.12	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.42	o.k	2.42	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.35	o.k	2.53	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.29	o.k	2.42	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.22	o.k	2.12	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.16	o.k	1.62	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.09	o.k	0.91	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOIS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.03	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.58	o.k	0.00	-	0.37	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.54	o.k	1.36	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.50	o.k	2.44	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.26	o.k	3.20	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.22	o.k	3.65	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.18	o.k	3.80	o.k	0.00	o.k	-	-	o.k	0.00	o.k
7	0.91	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.14	o.k	3.65	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.10	o.k	3.20	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.06	o.k	2.44	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.02	o.k	1.36	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOIS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	0.014	o.k	0.00	o.k	0.00	o.k	0.62	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Min	-0.75	-0.01	0.00	TORNAPUNTA	0.0144	-	-	51.77	o.k	0.00	-	0.62	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOIS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.71	o.k	0.82	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOIS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.65	o.k	1.46	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOIS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.58	o.k	1.82	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOIS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.51	o.k	2.19	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOIS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.45	o.k	2.29	o.k	0.00	o.k	-	-	o.k	0.00	o.k

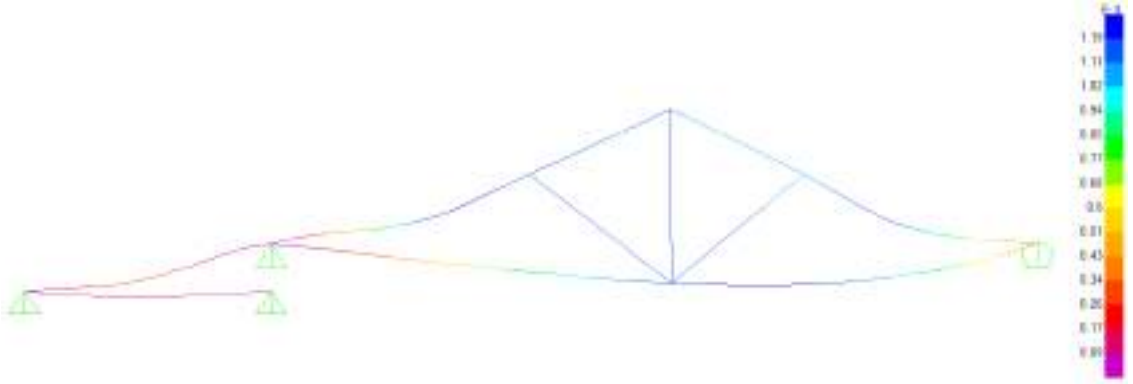
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
7	0.91	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.38	o.k	2.19	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.32	o.k	1.92	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.25	o.k	1.46	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.19	o.k	0.82	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.13	o.k	0.00	o.k	0.37	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	46.995	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	47.101	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	47.207	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.313	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.414	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.520	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.626	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.732	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.838	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.939	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	48.045	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	1.970	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.090	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.096	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.157	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.285	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.348	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.409	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.535	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.596	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.03	o.k	5.56	o.k	0.05	o.k	-	-	o.k	0.00	o.k
9	0.22	0.22	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.01	o.k	5.00	o.k	0.18	o.k	-	-	o.k	0.00	o.k
9	0.44	0.22	ENVOLS	Combination	Max	0.00	0.00	0.05	PAR SUPERIOR	0.0198	0.003	o.k	0.00	o.k	44.98	o.k	0.32	o.k	0.02	0.02	o.k	0.00	o.k
9	0.66	0.22	ENVOLS	Combination	Max	0.00	0.01	0.06	PAR SUPERIOR	0.0198	0.021	o.k	0.00	o.k	102.91	o.k	0.45	o.k	0.04	0.04	o.k	0.00	o.k
9	0.88	0.22	ENVOLS	Combination	Max	0.00	0.01	0.09	PAR SUPERIOR	0.0198	0.038	o.k	0.00	o.k	159.75	o.k	0.59	o.k	0.06	0.06	o.k	0.00	o.k
9	1.10	0.22	ENVOLS	Combination	Max	0.00	0.01	0.13	PAR SUPERIOR	0.0198	0.056	o.k	0.00	o.k	215.47	o.k	0.73	o.k	0.08	0.08	o.k	0.00	o.k
9	1.10	0.00	ENVOLS	Combination	Max	0.04	0.30	0.13	PAR SUPERIOR	0.0198	2.146	o.k	0.00	o.k	215.47	o.k	22.62	o.k	0.08	0.08	o.k	0.00	o.k
9	1.52	0.22	ENVOLS	Combination	Max	0.04	0.30	0.06	PAR SUPERIOR	0.0198	2.177	o.k	0.00	o.k	104.39	o.k	22.85	o.k	0.04	0.04	o.k	0.00	o.k
9	1.54	0.22	ENVOLS	Combination	Max	0.04	0.30	0.00	PAR SUPERIOR	0.0198	2.202	o.k	0.00	o.k	3.84	o.k	23.08	o.k	0.00	0.00	o.k	0.00	o.k
9	1.76	0.22	ENVOLS	Combination	Max	0.04	0.31	0.00	PAR SUPERIOR	0.0198	2.232	o.k	0.00	o.k	4.81	o.k	23.50	o.k	0.00	0.00	o.k	0.00	o.k
9	1.98	0.22	ENVOLS	Combination	Max	0.04	0.31	0.00	PAR SUPERIOR	0.0198	2.263	o.k	0.00	o.k	6.43	o.k	23.55	o.k	0.00	0.00	o.k	0.00	o.k
9	2.20	0.00	ENVOLS	Combination	Max	0.05	0.31	-0.01	PAR SUPERIOR	0.0198	2.288	o.k	0.00	o.k	8.72	o.k	23.76	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Min	-0.05	-0.16	-0.04	PAR SUPERIOR	0.0198	-	-	2.29	o.k	74.23	o.k	12.42	o.k	-	-	o.k	0.03	o.k
9	0.22	0.22	ENVOLS	Combination	Min	-0.04	-0.16	-0.01	PAR SUPERIOR	0.0198	-	-	2.26	o.k	14.07	o.k	12.20	o.k	-	-	o.k	0.01	o.k
9	0.44	0.22	ENVOLS	Combination	Min	-0.04	-0.16	0.00	PAR SUPERIOR	0.0198	-	-	2.23	o.k	3.77	o.k	11.97	o.k	-	-	o.k	0.00	o.k
9	0.66	0.22	ENVOLS	Combination	Min	-0.04	-0.16	0.00	PAR SUPERIOR	0.0198	-	-	2.20	o.k	1.87	o.k	11.74	o.k	-	-	o.k	0.00	o.k
9	0.88	0.22	ENVOLS	Combination	Min	-0.04	-0.15	0.00	PAR SUPERIOR	0.0198	-	-	2.18	o.k	0.69	o.k	11.52	o.k	-	-	o.k	0.00	o.k
9	1.10	0.22	ENVOLS	Combination	Min	-0.04	-0.15	0.00	PAR SUPERIOR	0.0198	-	-	2.15	o.k	3.92	o.k	11.30	o.k	-	-	o.k	0.00	o.k
9	1.10	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.06	o.k	3.92	o.k	0.14	o.k	-	-	o.k	0.00	o.k
9	1.52	0.22	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.04	o.k	5.55	o.k	0.01	o.k	-	-	o.k	0.00	o.k
9	1.54	0.22	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.02	o.k	7.79	o.k	0.13	o.k	-	-	o.k	0.00	o.k
9	1.76	0.22	ENVOLS	Combination	Min	0.00	0.00	-0.07	PAR SUPERIOR	0.0198	-	-	0.00	o.k	121.09	o.k	0.27	o.k	-	-	o.k	0.05	o.k
9	1.98	0.22	ENVOLS	Combination	Min	0.00	0.01	-0.14	PAR SUPERIOR	0.0198	0.014	o.k	0.00	o.k	255.51	o.k	0.40	o.k	0.09	0.09	o.k	0.00	o.k
9	2.20	0.00	ENVOLS	Combination	Min	0.00	0.01	-0.21	PAR SUPERIOR	0.0198	0.031	o.k	0.00	o.k	351.05	o.k	0.54	o.k	0.13	0.13	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.26	o.k	1.33	o.k	0.29	o.k	-	-	o.k	0.00	o.k
11	0.37	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.19	o.k	2.81	o.k	0.07	o.k	-	-	o.k	0.00	o.k
11	0.75	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.01	PAR SUPERIOR	0.0198	-	-	3.13	o.k	24.19	o.k	0.14	o.k	-	-	o.k	0.01	o.k
11	1.12	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.11	PAR SUPERIOR	0.0198	-	-	3.07	o.k	188.38	o.k	0.36	o.k	-	-	o.k	0.07	o.k
11	1.25	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.14	PAR SUPERIOR	0.0198	-	-	3.05	o.k	242.46	o.k	0.43	o.k	-	-	o.k	0.09	o.k
11	1.25	0.00	ENVOLS	Combination	Max	-0.07	0.16	0.14	PAR SUPERIOR	0.0198	-	-	3.28	o.k	242.46	o.k	12.19	o.k	-	-	o.k	0.09	o.k
11	1.50	0.25	ENVOLS	Combination	Max	-0.06	0.16	0.10	PAR SUPERIOR	0.0198	-	-	3.24	o.k	174.18	o.k	12.43	o.k	-	-	o.k	0.07	o.k
11	1.87	0.37	ENVOLS	Combination	Max	-0.06	0.17	0.04	PAR SUPERIOR	0.0198	-	-	3.18	o.k	69.24	o.k	12.80	o.k	-	-	o.k	0.03	o.k
11	2.25	0.37	ENVOLS	Combination	Max	-0.06	0.17	0.00	PAR SUPERIOR	0.0198	-	-	3.12	o.k	1.31	o.k	13.15	o.k	-	-	o.k	0.00	o.k
11	2.37	0.12	ENVOLS	Combination	Max	-0.06	0.18	0.00	PAR SUPERIOR	0.0198	-	-	3.10	o.k	0.69	o.k	13.27	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	2.37	0.00	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	2.93	o.k	0.69	o.k	0.42	o.k	-	-	o.k	0.00	o.k
11	2.50	0.13	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	2.91	o.k	14.80	o.k	0.50	o.k	-	-	o.k	0.01	o.k
11	2.50	0.00	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	3.15	o.k	14.80	o.k	0.58	o.k	-	-	o.k	0.01	o.k
11	2.62	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	3.13	o.k	15.01	o.k	0.70	o.k	-	-	o.k	0.00	o.k
11	2.99	0.37	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	3.07	o.k	5.69	o.k	1.06	o.k	-	-	o.k	0.00	o.k
11	3.37	0.37	ENVOLS	Combination	Max	-0.06	0.02	0.00	PAR SUPERIOR	0.0198	-	-	3.00	o.k	0.56	o.k	1.42	o.k	-	-	o.k	0.00	o.k
11	3.74	0.00	ENVOLS	Combination	Max	-0.06	0.02	0.00	PAR SUPERIOR	0.0198	-	-	2.94	o.k	1.94	o.k	1.78	o.k	-	-	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-2.44	-0.27	-0.19	PAR SUPERIOR	0.0198	-	-	123.03	o.k	315.18	o.k	20.64	o.k	-	-	o.k	0.12	o.k
11	0.37	0.37	ENVOLS	Combination	Min	-2.43	-0.27	-0.08	PAR SUPERIOR	0.0198	-	-	122.92	o.k	145.00	o.k	20.28	o.k	-	-	o.k	0.06	o.k
11	0.75	0.37	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.81	o.k	2.49	o.k	19.92	o.k	-	-	o.k	0.00	o.k
11	1.12	0.37	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.71	o.k	0.39	o.k	19.55	o.k	-	-	o.k	0.00	o.k
11	1.25	0.12	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.68	o.k	0.71	o.k	19.44	o.k	-	-	o.k	0.00	o.k
11	1.25	0.00	ENVOLS	Combination	Min	-2.25	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	113.45	o.k	0.71	o.k	0.38	o.k	-	-	o.k	0.00	o.k
11	1.50	0.25	ENVOLS	Combination	Min	-2.25	0.00	0.00	PAR SUPERIOR	0.0198	-	-	113.38	o.k	0.99	o.k	0.23	o.k	-	-	o.k	0.00	o.k
11	1.87	0.37	ENVOLS	Combination	Min	-2.24	0.00	0.00	PAR SUPERIOR	0.0198	-	-	113.28	o.k	2.05	o.k	0.02	o.k	-	-	o.k	0.00	o.k
11	2.25	0.37	ENVOLS	Combination	Min	-2.24	0.00	-0.02	PAR SUPERIOR	0.0198	-	-	113.17	o.k	38.67	o.k	0.20	o.k	-	-	o.k	0.02	o.k
11	2.37	0.12	ENVOLS	Combination	Min	-2.24	0.00	-0.04	PAR SUPERIOR	0.0198	-	-	113.14	o.k	74.18	o.k	0.27	o.k	-	-	o.k	0.03	o.k
11	2.37	0.00	ENVOLS	Combination	Min	-1.90	-0.41	-0.04	PAR SUPERIOR	0.0198	-	-	96.05	o.k	74.18	o.k	31.17	o.k	-	-	o.k	0.03	o.k
11	2.50	0.13	ENVOLS	Combination	Min	-1.90	-0.41	0.00	PAR SUPERIOR	0.0198	-	-	96.02	o.k	0.64	o.k	31.05	o.k	-	-	o.k	0.00	o.k
11	2.50	0.00	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.80	o.k	0.64	o.k	0.31	o.k	-	-	o.k	0.00	o.k
11	2.62	0.12	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.76	o.k	0.13	o.k	0.24	o.k	-	-	o.k	0.00	o.k
11	2.99	0.37	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.66	o.k	1.25	o.k	0.03	o.k	-	-	o.k	0.00	o.k
11	3.37	0.37	ENVOLS	Combination	Min	-1.71	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.55	o.k	4.61	o.k	0.19	o.k	-	-	o.k	0.00	o.k
11	3.74	0.00	ENVOLS	Combination	Min	-1.71	0.01	-0.01	PAR SUPERIOR	0.0198	-	-	86.44	o.k	17.93	o.k	0.41	o.k	-	-	o.k	0.01	o.k
14	0.00	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	2.99	o.k	1.94	o.k	0.36	o.k	-	-	o.k	0.00	o.k
14	0.35	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.06	o.k	0.06	o.k	0.16	o.k	-	-	o.k	0.00	o.k
14	0.69	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.12	o.k	0.54	o.k	0.04	o.k	-	-	o.k	0.00	o.k
14	1.04	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.18	o.k	0.51	o.k	0.32	o.k	-	-	o.k	0.00	o.k
14	1.16	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	3.20	o.k	1.20	o.k	0.43	o.k	-	-	o.k	0.00	o.k
14	1.16	0.00	ENVOLS	Combination	Max	-0.06	0.41	0.00	PAR SUPERIOR	0.0198	-	-	2.94	o.k	1.20	o.k	31.51	o.k	-	-	o.k	0.00	o.k
14	1.52	0.16	ENVOLS	Combination	Max	-0.06	0.42	0.00	PAR SUPERIOR	0.0198	-	-	2.97	o.k	0.44	o.k	31.46	o.k	-	-	o.k	0.00	o.k
14	1.52	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.13	o.k	0.44	o.k	0.27	o.k	-	-	o.k	0.00	o.k
14	1.59	0.07	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.15	o.k	0.84	o.k	0.23	o.k	-	-	o.k	0.00	o.k
14	1.74	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.05	PAR SUPERIOR	0.0198	-	-	3.21	o.k	47.83	o.k	0.04	o.k	-	-	o.k	0.02	o.k
14	2.08	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.11	PAR SUPERIOR	0.0198	-	-	3.27	o.k	184.81	o.k	0.16	o.k	-	-	o.k	0.07	o.k
14	2.51	0.25	ENVOLS	Combination	Max	-0.07	0.00	0.16	PAR SUPERIOR	0.0198	-	-	3.31	o.k	274.75	o.k	0.29	o.k	-	-	o.k	0.11	o.k
14	2.51	0.00	ENVOLS	Combination	Max	-0.06	0.18	0.16	PAR SUPERIOR	0.0198	-	-	3.06	o.k	274.75	o.k	13.75	o.k	-	-	o.k	0.11	o.k
14	2.45	0.12	ENVOLS	Combination	Max	-0.06	0.18	0.14	PAR SUPERIOR	0.0198	-	-	3.08	o.k	259.24	o.k	13.86	o.k	-	-	o.k	0.09	o.k
14	2.78	0.35	ENVOLS	Combination	Max	-0.06	0.19	0.08	PAR SUPERIOR	0.0198	-	-	3.14	o.k	151.04	o.k	14.19	o.k	-	-	o.k	0.05	o.k
14	3.12	0.35	ENVOLS	Combination	Max	-0.06	0.19	0.01	PAR SUPERIOR	0.0198	-	-	3.21	o.k	20.32	o.k	14.52	o.k	-	-	o.k	0.01	o.k
14	3.47	0.00	ENVOLS	Combination	Max	-0.06	0.20	0.00	PAR SUPERIOR	0.0198	-	-	3.27	o.k	4.87	o.k	14.85	o.k	-	-	o.k	0.00	o.k
14	0.00	0.00	ENVOLS	Combination	Min	-1.74	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	88.07	o.k	17.93	o.k	0.91	o.k	-	-	o.k	0.01	o.k
14	0.35	0.35	ENVOLS	Combination	Min	-1.75	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	88.17	o.k	12.15	o.k	0.58	o.k	-	-	o.k	0.01	o.k
14	0.69	0.35	ENVOLS	Combination	Min	-1.75	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	88.27	o.k	8.92	o.k	0.26	o.k	-	-	o.k	0.01	o.k
14	1.04	0.35	ENVOLS	Combination	Min	-1.75	0.00	0.00	PAR SUPERIOR	0.0198	-	-	88.38	o.k	8.23	o.k	0.02	o.k	-	-	o.k	0.01	o.k
14	1.16	0.12	ENVOLS	Combination	Min	-1.75	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	88.41	o.k	8.57	o.k	0.09	o.k	-	-	o.k	0.01	o.k
14	1.16	0.00	ENVOLS	Combination	Min	-1.95	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	98.36	o.k	8.57	o.k	0.50	o.k	-	-	o.k	0.01	o.k
14	1.52	0.16	ENVOLS	Combination	Min	-1.95	-0.01	-0.07	PAR SUPERIOR	0.0198	-	-	98.41	o.k	120.51	o.k	0.41	o.k	-	-	o.k	0.05	o.k
14	1.52	0.00	ENVOLS	Combination	Min	-2.28	-0.24	-0.07	PAR SUPERIOR	0.0198	-	-	115.17	o.k	120.51	o.k	18.52	o.k	-	-	o.k	0.05	o.k
14	1.59	0.07	ENVOLS	Combination	Min	-2.28	-0.24	-0.05	PAR SUPERIOR	0.0198	-	-	115.19	o.k	91.68	o.k	18.25	o.k	-	-	o.k	0.04	o.k
14	1.74	0.35	ENVOLS	Combination	Min	-2.28	-0.24	0.00	PAR SUPERIOR	0.0198	-	-	115.29	o.k	1.89	o.k	17.92	o.k	-	-	o.k	0.00	o.k
14	2.08	0.35	ENVOLS	Combination	Min	-2.28	-0.25	0.00	PAR SUPERIOR	0.0198	-	-	115.40	o.k	1.41	o.k	17.60	o.k	-	-	o.k	0.00	o.k
14	2.51	0.25	ENVOLS	Combination	Min	-2.29	-0.25	0.00	PAR SUPERIOR	0.0198	-	-	115.47	o.k	0.25	o.k	17.38	o.k	-	-	o.k	0.00	o.k
14	2.51	0.00	ENVOLS	Combination	Min	-2.48	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	125.41	o.k	0.25	o.k	0.51	o.k	-	-	o.k	0.00	o.k
14	2.45	0.12	ENVOLS	Combination	Min	-2.48	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	125.45	o.k	1.48	o.k	0.44	o.k	-	-	o.k	0.00	o.k
14	2.78	0.35	ENVOLS	Combination	Min	-2.49	0.00	0.00	PAR SUPERIOR	0.0198	-	-	125.55	o.k	4.12	o.k	0.24	o.k	-	-	o.k	0.01	o.k
14	3.12	0.35	ENVOLS	Combination	Min	-2.49	0.00	0.00	PAR SUPERIOR	0.0198	-	-	125.66	o.k	5.25	o.k	0.05	o.k	-	-	o.k	0.01	o.k
14	3.47	0.00	ENVOLS	Combination	Min	-2.49	0.00	-0.06	PAR SUPERIOR	0.0198	-	-	125.76	o.k	92.95	o.k	0.15	o.k	-	-	o.k	0.05	o.k

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: **12/05/2022**
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 1

EVALUACION DE DEFORMACIONES





Luz Libre 6.56 m

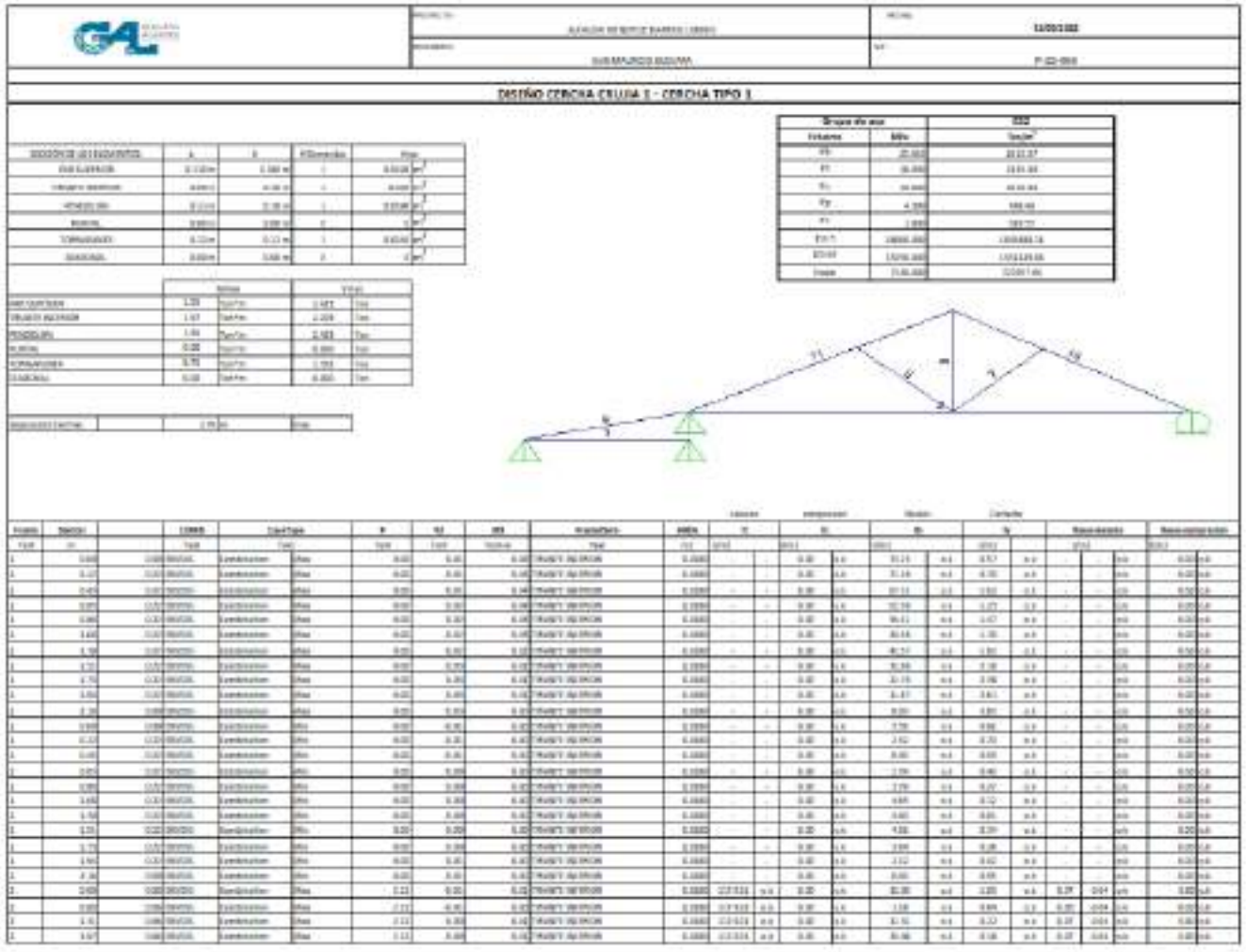
Deformacion Admisible

2.19 cm CUMPLE

Deforamcion cercha

0.11 cm

Analisis de Elementos Grupo ES2



DISEÑO CERCHA CELDA 1 - CERCHA TIPO 1

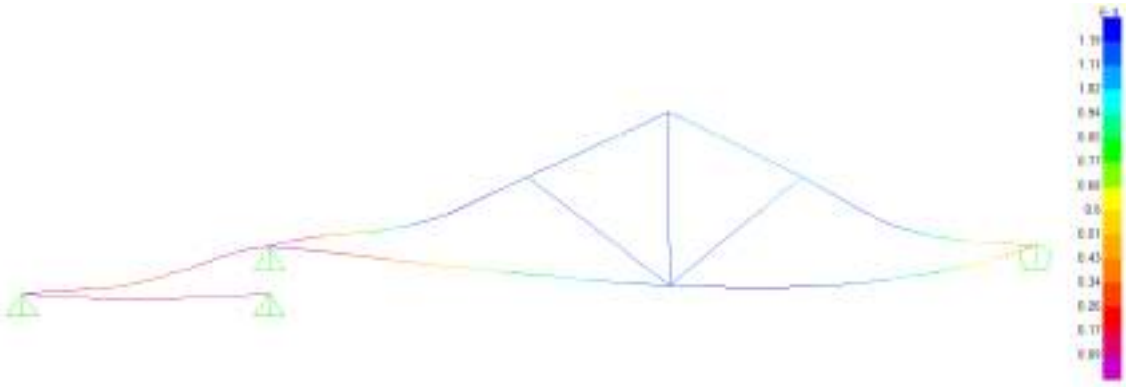
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	2.62	0.66	ENVOLS	Combination	Max	2.12	0.01	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	22.32	o.k	0.83	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.28	0.66	ENVOLS	Combination	Max	2.12	0.02	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	14.55	o.k	1.52	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.43	0.15	ENVOLS	Combination	Max	2.12	0.02	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	11.48	o.k	1.67	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.43	0.00	ENVOLS	Combination	Max	2.16	-0.01	0.01	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	11.48	o.k	1.10	o.k	0.07	-0.04	o.k	0.00	o.k
2	3.94	0.51	ENVOLS	Combination	Max	2.16	-0.01	0.02	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	38.74	o.k	0.77	o.k	0.08	-0.03	o.k	0.00	o.k
2	4.59	0.66	ENVOLS	Combination	Max	2.16	0.00	0.04	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	65.98	o.k	0.37	o.k	0.09	-0.02	o.k	0.00	o.k
2	5.25	0.66	ENVOLS	Combination	Max	2.16	0.00	0.05	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	84.09	o.k	0.05	o.k	0.10	-0.01	o.k	0.00	o.k
2	5.90	0.66	ENVOLS	Combination	Max	2.16	0.01	0.06	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	93.08	o.k	0.52	o.k	0.10	-0.01	o.k	0.00	o.k
2	6.56	0.00	ENVOLS	Combination	Max	2.16	0.01	0.06	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	92.95	o.k	1.22	o.k	0.10	-0.01	o.k	0.00	o.k
2	0.00	0.00	ENVOLS	Combination	Min	0.06	-0.05	-0.02	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	37.85	o.k	2.52	o.k	0.02	0.01	o.k	0.00	o.k
2	0.66	0.66	ENVOLS	Combination	Min	0.06	-0.02	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	9.11	o.k	1.82	o.k	0.01	0.00	o.k	0.00	o.k
2	1.31	0.66	ENVOLS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	6.23	o.k	1.13	o.k	0.00	0.00	o.k	0.00	o.k
2	1.97	0.66	ENVOLS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	7.19	o.k	0.45	o.k	0.00	0.00	o.k	0.00	o.k
2	2.62	0.66	ENVOLS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	1.99	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
2	3.28	0.66	ENVOLS	Combination	Min	0.06	0.01	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	8.70	o.k	0.52	o.k	0.01	0.00	o.k	0.00	o.k
2	3.43	0.15	ENVOLS	Combination	Min	0.06	0.01	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	12.95	o.k	0.61	o.k	0.01	0.00	o.k	0.00	o.k
2	3.43	0.00	ENVOLS	Combination	Min	0.06	-0.04	-0.01	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	12.95	o.k	2.93	o.k	0.01	0.00	o.k	0.00	o.k
2	3.94	0.51	ENVOLS	Combination	Min	0.06	-0.05	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	2.32	o.k	2.40	o.k	0.00	0.00	o.k	0.00	o.k
2	4.59	0.66	ENVOLS	Combination	Min	0.06	-0.02	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	5.25	o.k	1.71	o.k	0.00	0.00	o.k	0.00	o.k
2	5.25	0.66	ENVOLS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	7.36	o.k	1.02	o.k	0.00	0.00	o.k	0.00	o.k
2	5.90	0.66	ENVOLS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	3.99	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
2	6.56	0.00	ENVOLS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	4.87	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.58	o.k	0.00	-	0.40	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.54	o.k	1.52	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.50	o.k	2.89	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.26	o.k	5.55	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.22	o.k	4.06	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.18	o.k	4.23	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.14	o.k	4.06	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.10	o.k	5.55	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.06	o.k	2.89	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	-	-	0.02	o.k	1.52	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	0.018	o.k	0.00	o.k	0.00	o.k	0.67	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Min	-0.69	-0.01	0.00	TORNAPUNTA	0.0144	-	-	47.69	o.k	0.00	-	0.67	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Min	-0.69	-0.01	0.00	TORNAPUNTA	0.0144	-	-	47.63	o.k	0.91	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.56	o.k	1.62	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.49	o.k	2.12	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.42	o.k	2.42	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.35	o.k	2.53	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.29	o.k	2.42	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.22	o.k	2.12	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.16	o.k	1.62	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.09	o.k	0.91	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.03	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.58	o.k	0.00	-	0.37	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.54	o.k	1.36	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.50	o.k	2.44	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.26	o.k	3.20	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.22	o.k	3.65	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.18	o.k	3.80	o.k	0.00	o.k	-	-	o.k	0.00	o.k
7	0.91	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.14	o.k	3.65	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.10	o.k	3.20	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.06	o.k	2.44	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.02	o.k	1.36	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	0.014	o.k	0.00	o.k	0.00	o.k	0.62	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	-0.75	-0.01	0.00	TORNAPUNTA	0.0144	-	-	51.77	o.k	0.00	-	0.62	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.71	o.k	0.82	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.65	o.k	1.46	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.58	o.k	1.82	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.51	o.k	2.19	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.45	o.k	2.29	o.k	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
7	0.91	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.38	o.k	2.19	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.32	o.k	1.92	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.25	o.k	1.46	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.19	o.k	0.82	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.13	o.k	0.00	o.k	0.37	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	46.995	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	47.101	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	47.207	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.313	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.414	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.520	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.626	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.732	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.838	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.939	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	48.045	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	1.970	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.090	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.096	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.157	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.285	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.348	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.409	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.535	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.596	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.03	o.k	5.56	o.k	0.05	o.k	-	-	o.k	0.00	o.k
9	0.22	0.22	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.01	o.k	5.00	o.k	0.18	o.k	-	-	o.k	0.00	o.k
9	0.44	0.22	ENVOLS	Combination	Max	0.00	0.00	0.05	PAR SUPERIOR	0.0198	0.003	o.k	0.00	o.k	44.98	o.k	0.32	o.k	0.02	0.02	o.k	0.00	o.k
9	0.66	0.22	ENVOLS	Combination	Max	0.00	0.01	0.06	PAR SUPERIOR	0.0198	0.021	o.k	0.00	o.k	102.91	o.k	0.45	o.k	0.04	0.04	o.k	0.00	o.k
9	0.88	0.22	ENVOLS	Combination	Max	0.00	0.01	0.09	PAR SUPERIOR	0.0198	0.038	o.k	0.00	o.k	159.75	o.k	0.59	o.k	0.06	0.06	o.k	0.00	o.k
9	1.10	0.22	ENVOLS	Combination	Max	0.00	0.01	0.13	PAR SUPERIOR	0.0198	0.056	o.k	0.00	o.k	215.47	o.k	0.73	o.k	0.08	0.08	o.k	0.00	o.k
9	1.10	0.00	ENVOLS	Combination	Max	0.04	0.30	0.13	PAR SUPERIOR	0.0198	2.146	o.k	0.00	o.k	215.47	o.k	22.62	o.k	0.08	0.08	o.k	0.00	o.k
9	1.52	0.22	ENVOLS	Combination	Max	0.04	0.30	0.06	PAR SUPERIOR	0.0198	2.177	o.k	0.00	o.k	104.39	o.k	22.85	o.k	0.04	0.04	o.k	0.00	o.k
9	1.54	0.22	ENVOLS	Combination	Max	0.04	0.30	0.00	PAR SUPERIOR	0.0198	2.202	o.k	0.00	o.k	3.84	o.k	23.08	o.k	0.00	0.00	o.k	0.00	o.k
9	1.76	0.22	ENVOLS	Combination	Max	0.04	0.31	0.00	PAR SUPERIOR	0.0198	2.232	o.k	0.00	o.k	4.81	o.k	23.50	o.k	0.00	0.00	o.k	0.00	o.k
9	1.98	0.22	ENVOLS	Combination	Max	0.04	0.31	0.00	PAR SUPERIOR	0.0198	2.263	o.k	0.00	o.k	6.43	o.k	23.55	o.k	0.00	0.00	o.k	0.00	o.k
9	2.20	0.00	ENVOLS	Combination	Max	0.05	0.31	-0.01	PAR SUPERIOR	0.0198	2.288	o.k	0.00	o.k	8.72	o.k	23.76	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Min	-0.05	-0.16	-0.04	PAR SUPERIOR	0.0198	-	-	2.29	o.k	74.23	o.k	12.42	o.k	-	-	o.k	0.03	o.k
9	0.22	0.22	ENVOLS	Combination	Min	-0.04	-0.16	-0.01	PAR SUPERIOR	0.0198	-	-	2.26	o.k	14.07	o.k	12.20	o.k	-	-	o.k	0.01	o.k
9	0.44	0.22	ENVOLS	Combination	Min	-0.04	-0.16	0.00	PAR SUPERIOR	0.0198	-	-	2.23	o.k	3.77	o.k	11.97	o.k	-	-	o.k	0.00	o.k
9	0.66	0.22	ENVOLS	Combination	Min	-0.04	-0.16	0.00	PAR SUPERIOR	0.0198	-	-	2.20	o.k	1.87	o.k	11.74	o.k	-	-	o.k	0.00	o.k
9	0.88	0.22	ENVOLS	Combination	Min	-0.04	-0.15	0.00	PAR SUPERIOR	0.0198	-	-	2.18	o.k	0.69	o.k	11.52	o.k	-	-	o.k	0.00	o.k
9	1.10	0.22	ENVOLS	Combination	Min	-0.04	-0.15	0.00	PAR SUPERIOR	0.0198	-	-	2.15	o.k	3.92	o.k	11.30	o.k	-	-	o.k	0.00	o.k
9	1.10	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.06	o.k	3.92	o.k	0.14	o.k	-	-	o.k	0.00	o.k
9	1.52	0.22	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.04	o.k	5.55	o.k	0.01	o.k	-	-	o.k	0.00	o.k
9	1.54	0.22	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.02	o.k	7.79	o.k	0.13	o.k	-	-	o.k	0.00	o.k
9	1.76	0.22	ENVOLS	Combination	Min	0.00	0.00	-0.07	PAR SUPERIOR	0.0198	-	-	0.00	o.k	121.09	o.k	0.27	o.k	-	-	o.k	0.05	o.k
9	1.98	0.22	ENVOLS	Combination	Min	0.00	0.01	-0.14	PAR SUPERIOR	0.0198	0.014	o.k	0.00	o.k	255.51	o.k	0.40	o.k	0.09	0.09	o.k	0.00	o.k
9	2.20	0.00	ENVOLS	Combination	Min	0.00	0.01	-0.21	PAR SUPERIOR	0.0198	0.031	o.k	0.00	o.k	351.05	o.k	0.54	o.k	0.13	0.13	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.26	o.k	1.33	o.k	0.29	o.k	-	-	o.k	0.00	o.k
11	0.37	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.19	o.k	2.81	o.k	0.07	o.k	-	-	o.k	0.00	o.k
11	0.75	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.01	PAR SUPERIOR	0.0198	-	-	3.13	o.k	24.19	o.k	0.14	o.k	-	-	o.k	0.01	o.k
11	1.12	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.11	PAR SUPERIOR	0.0198	-	-	3.07	o.k	188.38	o.k	0.36	o.k	-	-	o.k	0.07	o.k
11	1.25	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.14	PAR SUPERIOR	0.0198	-	-	3.05	o.k	242.46	o.k	0.43	o.k	-	-	o.k	0.09	o.k
11	1.25	0.00	ENVOLS	Combination	Max	-0.07	0.16	0.14	PAR SUPERIOR	0.0198	-	-	3.28	o.k	242.46	o.k	12.19	o.k	-	-	o.k	0.09	o.k
11	1.50	0.25	ENVOLS	Combination	Max	-0.06	0.16	0.10	PAR SUPERIOR	0.0198	-	-	3.24	o.k	174.18	o.k	12.43	o.k	-	-	o.k	0.07	o.k
11	1.87	0.37	ENVOLS	Combination	Max	-0.06	0.17	0.04	PAR SUPERIOR	0.0198	-	-	3.18	o.k	69.24	o.k	12.80	o.k	-	-	o.k	0.03	o.k
11	2.25	0.37	ENVOLS	Combination	Max	-0.06	0.17	0.00	PAR SUPERIOR	0.0198	-	-	3.12	o.k	1.31	o.k	13.15	o.k	-	-	o.k	0.00	o.k
11	2.37	0.12	ENVOLS	Combination	Max	-0.06	0.18	0.00	PAR SUPERIOR	0.0198	-	-	3.10	o.k	0.69	o.k	13.27	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	2.37	0.00	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	2.93	o.k	0.69	o.k	0.42	o.k	-	-	o.k	0.00	o.k
11	2.50	0.13	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	2.91	o.k	14.80	o.k	0.50	o.k	-	-	o.k	0.01	o.k
11	2.50	0.00	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	3.15	o.k	14.80	o.k	0.58	o.k	-	-	o.k	0.01	o.k
11	2.62	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	3.13	o.k	15.01	o.k	0.70	o.k	-	-	o.k	0.00	o.k
11	2.99	0.37	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	3.07	o.k	5.69	o.k	1.06	o.k	-	-	o.k	0.00	o.k
11	3.37	0.37	ENVOLS	Combination	Max	-0.06	0.02	0.00	PAR SUPERIOR	0.0198	-	-	3.00	o.k	0.56	o.k	1.42	o.k	-	-	o.k	0.00	o.k
11	3.74	0.00	ENVOLS	Combination	Max	-0.06	0.02	0.00	PAR SUPERIOR	0.0198	-	-	2.94	o.k	1.94	o.k	1.78	o.k	-	-	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-2.44	-0.27	-0.19	PAR SUPERIOR	0.0198	-	-	123.03	o.k	315.18	o.k	20.64	o.k	-	-	o.k	0.12	o.k
11	0.37	0.37	ENVOLS	Combination	Min	-2.43	-0.27	-0.08	PAR SUPERIOR	0.0198	-	-	122.92	o.k	145.00	o.k	20.28	o.k	-	-	o.k	0.06	o.k
11	0.75	0.37	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.81	o.k	2.49	o.k	19.92	o.k	-	-	o.k	0.00	o.k
11	1.12	0.37	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.71	o.k	0.39	o.k	19.55	o.k	-	-	o.k	0.00	o.k
11	1.25	0.12	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.68	o.k	0.71	o.k	19.44	o.k	-	-	o.k	0.00	o.k
11	1.25	0.00	ENVOLS	Combination	Min	-2.25	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	113.45	o.k	0.71	o.k	0.38	o.k	-	-	o.k	0.00	o.k
11	1.50	0.25	ENVOLS	Combination	Min	-2.25	0.00	0.00	PAR SUPERIOR	0.0198	-	-	113.38	o.k	0.99	o.k	0.23	o.k	-	-	o.k	0.00	o.k
11	1.87	0.37	ENVOLS	Combination	Min	-2.24	0.00	0.00	PAR SUPERIOR	0.0198	-	-	113.28	o.k	2.05	o.k	0.02	o.k	-	-	o.k	0.00	o.k
11	2.25	0.37	ENVOLS	Combination	Min	-2.24	0.00	-0.02	PAR SUPERIOR	0.0198	-	-	113.17	o.k	38.67	o.k	0.20	o.k	-	-	o.k	0.02	o.k
11	2.37	0.12	ENVOLS	Combination	Min	-2.24	0.00	-0.04	PAR SUPERIOR	0.0198	-	-	113.14	o.k	74.18	o.k	0.27	o.k	-	-	o.k	0.03	o.k
11	2.37	0.00	ENVOLS	Combination	Min	-1.90	-0.41	-0.04	PAR SUPERIOR	0.0198	-	-	96.05	o.k	74.18	o.k	31.17	o.k	-	-	o.k	0.03	o.k
11	2.50	0.13	ENVOLS	Combination	Min	-1.90	-0.41	0.00	PAR SUPERIOR	0.0198	-	-	96.02	o.k	0.64	o.k	31.05	o.k	-	-	o.k	0.00	o.k
11	2.50	0.00	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.80	o.k	0.64	o.k	0.31	o.k	-	-	o.k	0.00	o.k
11	2.62	0.12	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.76	o.k	0.13	o.k	0.24	o.k	-	-	o.k	0.00	o.k
11	2.99	0.37	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.66	o.k	1.25	o.k	0.03	o.k	-	-	o.k	0.00	o.k
11	3.37	0.37	ENVOLS	Combination	Min	-1.71	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.55	o.k	4.61	o.k	0.19	o.k	-	-	o.k	0.00	o.k
11	3.74	0.00	ENVOLS	Combination	Min	-1.71	0.01	-0.01	PAR SUPERIOR	0.0198	-	-	86.44	o.k	17.93	o.k	0.41	o.k	-	-	o.k	0.01	o.k
14	0.00	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	2.99	o.k	1.94	o.k	0.36	o.k	-	-	o.k	0.00	o.k
14	0.35	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.06	o.k	0.06	o.k	0.16	o.k	-	-	o.k	0.00	o.k
14	0.69	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.12	o.k	0.54	o.k	0.04	o.k	-	-	o.k	0.00	o.k
14	1.04	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.18	o.k	0.51	o.k	0.32	o.k	-	-	o.k	0.00	o.k
14	1.16	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	3.20	o.k	1.20	o.k	0.43	o.k	-	-	o.k	0.00	o.k
14	1.16	0.00	ENVOLS	Combination	Max	-0.06	0.41	0.00	PAR SUPERIOR	0.0198	-	-	2.94	o.k	1.20	o.k	31.51	o.k	-	-	o.k	0.00	o.k
14	1.52	0.16	ENVOLS	Combination	Max	-0.06	0.42	0.00	PAR SUPERIOR	0.0198	-	-	2.97	o.k	0.44	o.k	31.46	o.k	-	-	o.k	0.00	o.k
14	1.52	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.13	o.k	0.44	o.k	0.27	o.k	-	-	o.k	0.00	o.k
14	1.59	0.07	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.15	o.k	0.84	o.k	0.23	o.k	-	-	o.k	0.00	o.k
14	1.74	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.03	PAR SUPERIOR	0.0198	-	-	3.21	o.k	47.83	o.k	0.04	o.k	-	-	o.k	0.02	o.k
14	2.08	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.11	PAR SUPERIOR	0.0198	-	-	3.27	o.k	184.81	o.k	0.16	o.k	-	-	o.k	0.07	o.k
14	2.51	0.25	ENVOLS	Combination	Max	-0.07	0.00	0.16	PAR SUPERIOR	0.0198	-	-	3.31	o.k	274.75	o.k	0.29	o.k	-	-	o.k	0.11	o.k
14	2.51	0.00	ENVOLS	Combination	Max	-0.06	0.18	0.16	PAR SUPERIOR	0.0198	-	-	3.06	o.k	274.75	o.k	13.75	o.k	-	-	o.k	0.11	o.k
14	2.45	0.12	ENVOLS	Combination	Max	-0.06	0.18	0.14	PAR SUPERIOR	0.0198	-	-	3.08	o.k	259.24	o.k	13.86	o.k	-	-	o.k	0.09	o.k
14	2.78	0.35	ENVOLS	Combination	Max	-0.06	0.19	0.08	PAR SUPERIOR	0.0198	-	-	3.14	o.k	151.04	o.k	14.19	o.k	-	-	o.k	0.05	o.k
14	3.12	0.35	ENVOLS	Combination	Max	-0.06	0.19	0.01	PAR SUPERIOR	0.0198	-	-	3.21	o.k	20.32	o.k	14.52	o.k	-	-	o.k	0.01	o.k
14	3.47	0.00	ENVOLS	Combination	Max	-0.06	0.20	0.00	PAR SUPERIOR	0.0198	-	-	3.27	o.k	4.87	o.k	14.85	o.k	-	-	o.k	0.00	o.k
14	0.00	0.00	ENVOLS	Combination	Min	-1.74	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	88.07	o.k	17.93	o.k	0.91	o.k	-	-	o.k	0.01	o.k
14	0.35	0.35	ENVOLS	Combination	Min	-1.75	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	88.17	o.k	12.15	o.k	0.58	o.k	-	-	o.k	0.01	o.k
14	0.69	0.35	ENVOLS	Combination	Min	-1.75	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	88.27	o.k	8.92	o.k	0.26	o.k	-	-	o.k	0.01	o.k
14	1.04	0.35	ENVOLS	Combination	Min	-1.75	0.00	0.00	PAR SUPERIOR	0.0198	-	-	88.38	o.k	8.23	o.k	0.02	o.k	-	-	o.k	0.01	o.k
14	1.16	0.12	ENVOLS	Combination	Min	-1.75	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	88.41	o.k	8.57	o.k	0.09	o.k	-	-	o.k	0.01	o.k
14	1.16	0.00	ENVOLS	Combination	Min	-1.95	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	98.36	o.k	8.57	o.k	0.50	o.k	-	-	o.k	0.01	o.k
14	1.52	0.16	ENVOLS	Combination	Min	-1.95	-0.01	-0.07	PAR SUPERIOR	0.0198	-	-	98.41	o.k	120.51	o.k	0.41	o.k	-	-	o.k	0.05	o.k
14	1.52	0.00	ENVOLS	Combination	Min	-2.28	-0.24	-0.07	PAR SUPERIOR	0.0198	-	-	115.17	o.k	120.51	o.k	18.52	o.k	-	-	o.k	0.05	o.k
14	1.59	0.07	ENVOLS	Combination	Min	-2.28	-0.24	-0.05	PAR SUPERIOR	0.0198	-	-	115.19	o.k	91.68	o.k	18.25	o.k	-	-	o.k	0.04	o.k
14	1.74	0.35	ENVOLS	Combination	Min	-2.28	-0.24	0.00	PAR SUPERIOR	0.0198	-	-	115.29	o.k	1.89	o.k	17.92	o.k	-	-	o.k	0.00	o.k
14	2.08	0.35	ENVOLS	Combination	Min	-2.28	-0.25	0.00	PAR SUPERIOR	0.0198	-	-	115.40	o.k	1.41	o.k	17.60	o.k	-	-	o.k	0.00	o.k
14	2.51	0.25	ENVOLS	Combination	Min	-2.29	-0.25	0.00	PAR SUPERIOR	0.0198	-	-	115.47	o.k	0.25	o.k	17.38	o.k	-	-	o.k	0.00	o.k
14	2.51	0.00	ENVOLS	Combination	Min	-2.48	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	125.41	o.k	0.25	o.k	0.51	o.k	-	-	o.k	0.00	o.k
14	2.45	0.12	ENVOLS	Combination	Min	-2.48	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	125.45	o.k	1.48	o.k	0.44	o.k	-	-	o.k	0.00	o.k
14	2.78	0.35	ENVOLS	Combination	Min	-2.49	0.00	0.00	PAR SUPERIOR	0.0198	-	-	125.55	o.k	4.12	o.k	0.24	o.k	-	-	o.k	0.01	o.k
14	3.12	0.35	ENVOLS	Combination	Min	-2.49	0.00	0.00	PAR SUPERIOR	0.0198	-	-	125.66	o.k	5.25	o.k	0.05	o.k	-	-	o.k	0.01	o.k
14	3.47	0.00	ENVOLS	Combination	Min	-2.49	0.00	-0.06	PAR SUPERIOR	0.0198	-	-	125.76	o.k	92.95	o.k	0.15	o.k	-	-	o.k	0.05	o.k

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 1

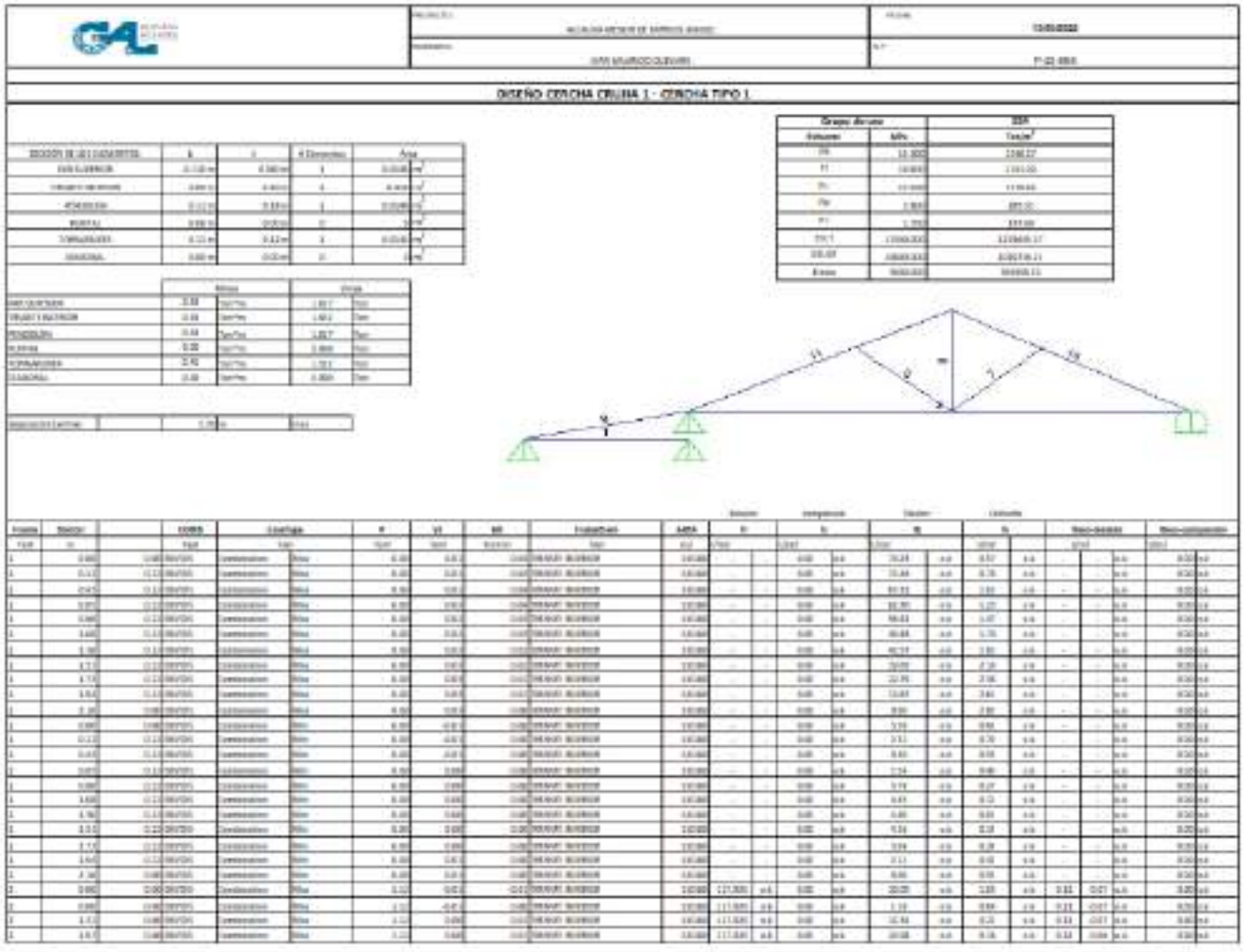
EVALUACION DE DEFORMACIONES





Luz Libre 6.56 m
Deformacion Admisible
2.19 cm CUMPLE
Deforamcion cercha
0.11 cm

Analisis de Elementos Grupo ES4



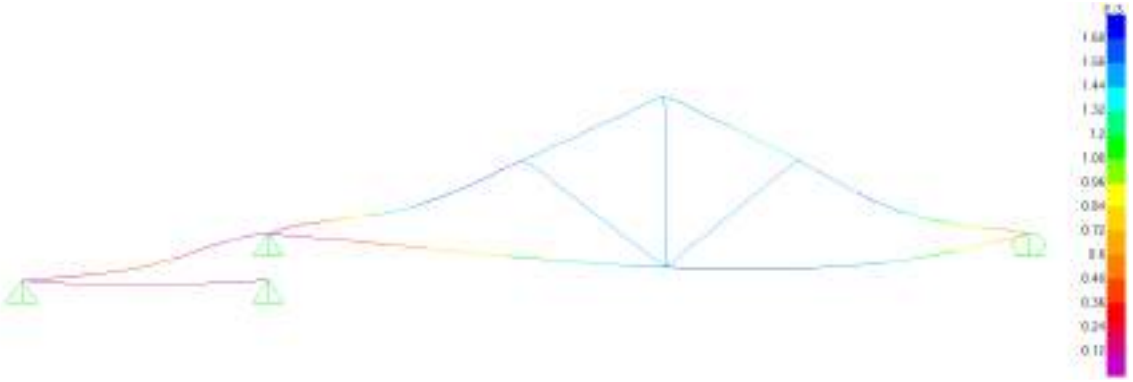
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	2.62	0.66	ENVOLS	Combination	Max	2.12	0.01	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	22.32	o.k	0.83	o.k	0.12	-0.06	o.k	0.00	o.k
2	3.28	0.66	ENVOLS	Combination	Max	2.12	0.02	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	14.55	o.k	1.52	o.k	0.12	-0.07	o.k	0.00	o.k
2	3.43	0.15	ENVOLS	Combination	Max	2.12	0.02	0.01	TIRANTE INFERIOR	0.0180	117.928	o.k	0.00	o.k	11.48	o.k	1.67	o.k	0.11	-0.07	o.k	0.00	o.k
2	3.43	0.00	ENVOLS	Combination	Max	2.16	-0.01	0.01	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	11.48	o.k	1.10	o.k	0.12	-0.07	o.k	0.00	o.k
2	3.94	0.51	ENVOLS	Combination	Max	2.16	-0.01	0.02	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	38.74	o.k	0.77	o.k	0.13	-0.05	o.k	0.00	o.k
2	4.59	0.66	ENVOLS	Combination	Max	2.16	0.00	0.04	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	65.98	o.k	0.37	o.k	0.15	-0.03	o.k	0.00	o.k
2	5.25	0.66	ENVOLS	Combination	Max	2.16	0.00	0.05	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	84.09	o.k	0.05	o.k	0.16	-0.02	o.k	0.00	o.k
2	5.90	0.66	ENVOLS	Combination	Max	2.16	0.01	0.06	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	93.08	o.k	0.52	o.k	0.17	-0.02	o.k	0.00	o.k
2	6.56	0.00	ENVOLS	Combination	Max	2.16	0.01	0.06	TIRANTE INFERIOR	0.0180	120.050	o.k	0.00	o.k	92.95	o.k	1.22	o.k	0.17	-0.02	o.k	0.00	o.k
2	0.00	0.00	ENVOLS	Combination	Min	0.06	-0.03	-0.02	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	37.85	o.k	2.52	o.k	0.03	0.02	o.k	0.00	o.k
2	0.66	0.66	ENVOLS	Combination	Min	0.06	-0.02	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	9.11	o.k	1.82	o.k	0.01	0.00	o.k	0.00	o.k
2	1.31	0.66	ENVOLS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	6.23	o.k	1.13	o.k	0.01	0.00	o.k	0.00	o.k
2	1.97	0.66	ENVOLS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	7.19	o.k	0.45	o.k	0.01	0.00	o.k	0.00	o.k
2	2.62	0.66	ENVOLS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	1.99	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
2	3.28	0.66	ENVOLS	Combination	Min	0.06	0.01	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	8.70	o.k	0.52	o.k	0.01	0.00	o.k	0.00	o.k
2	3.43	0.15	ENVOLS	Combination	Min	0.06	0.01	-0.01	TIRANTE INFERIOR	0.0180	3.200	o.k	0.00	o.k	12.95	o.k	0.61	o.k	0.01	0.01	o.k	0.00	o.k
2	3.43	0.00	ENVOLS	Combination	Min	0.06	-0.04	-0.01	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	12.95	o.k	2.93	o.k	0.01	0.01	o.k	0.00	o.k
2	3.94	0.51	ENVOLS	Combination	Min	0.06	-0.03	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	2.32	o.k	2.40	o.k	0.00	0.00	o.k	0.00	o.k
2	4.59	0.66	ENVOLS	Combination	Min	0.06	-0.02	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	5.25	o.k	1.71	o.k	0.01	0.00	o.k	0.00	o.k
2	5.25	0.66	ENVOLS	Combination	Min	0.06	-0.01	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	7.96	o.k	1.02	o.k	0.01	0.00	o.k	0.00	o.k
2	5.90	0.66	ENVOLS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	3.99	o.k	0.33	o.k	0.01	0.00	o.k	0.00	o.k
2	6.56	0.00	ENVOLS	Combination	Min	0.06	0.00	0.00	TIRANTE INFERIOR	0.0180	3.194	o.k	0.00	o.k	4.87	o.k	0.14	o.k	0.01	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.58	o.k	0.00	-	0.40	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.54	o.k	1.52	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.50	o.k	2.89	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.26	o.k	3.55	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.22	o.k	4.06	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.18	o.k	4.23	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.14	o.k	4.06	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.10	o.k	3.55	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.06	o.k	2.89	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	-	-	0.02	o.k	1.52	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	0.018	o.k	0.00	o.k	0.00	o.k	0.67	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Min	-0.69	-0.01	0.00	TORNAPUNTA	0.0144	-	-	47.69	o.k	0.00	-	0.67	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Min	-0.69	-0.01	0.00	TORNAPUNTA	0.0144	-	-	47.63	o.k	0.91	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.56	o.k	1.62	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.49	o.k	2.12	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.42	o.k	2.42	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.35	o.k	2.53	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.29	o.k	2.42	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.22	o.k	2.12	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.16	o.k	1.62	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.09	o.k	0.91	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Min	-0.68	0.00	0.00	TORNAPUNTA	0.0144	-	-	47.03	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.58	o.k	0.00	-	0.37	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.54	o.k	1.36	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.50	o.k	2.44	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.26	o.k	3.20	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.22	o.k	3.65	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.18	o.k	3.80	o.k	0.00	o.k	-	-	o.k	0.00	o.k
7	0.91	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.14	o.k	3.65	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.10	o.k	3.20	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.06	o.k	2.44	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.02	o.k	1.36	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Max	0.00	0.01	0.00	TORNAPUNTA	0.0144	0.014	o.k	0.00	o.k	0.00	o.k	0.62	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	-0.75	-0.01	0.00	TORNAPUNTA	0.0144	-	-	51.77	o.k	0.00	-	0.62	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.71	o.k	0.82	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.65	o.k	1.46	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.58	o.k	1.82	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.51	o.k	2.19	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.45	o.k	2.29	o.k	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
7	0.91	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.38	o.k	2.19	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.32	o.k	1.92	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.25	o.k	1.46	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.19	o.k	0.82	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Min	-0.74	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.13	o.k	0.00	o.k	0.37	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	46.995	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	47.101	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Max	0.93	0.00	0.00	PENDOLON	0.0198	47.207	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.313	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.414	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.520	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Max	0.94	0.00	0.00	PENDOLON	0.0198	47.626	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.732	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.838	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	47.939	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Max	0.95	0.00	0.00	PENDOLON	0.0198	48.045	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	1.970	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.090	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.096	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.157	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.285	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.348	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.409	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.535	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.596	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.03	o.k	5.56	o.k	0.05	o.k	-	-	o.k	0.00	o.k
9	0.22	0.22	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.01	o.k	5.00	o.k	0.18	o.k	-	-	o.k	0.00	o.k
9	0.44	0.22	ENVOLS	Combination	Max	0.00	0.00	0.05	PAR SUPERIOR	0.0198	0.003	o.k	0.00	o.k	44.98	o.k	0.32	o.k	0.05	0.05	o.k	0.00	o.k
9	0.66	0.22	ENVOLS	Combination	Max	0.00	0.01	0.06	PAR SUPERIOR	0.0198	0.021	o.k	0.00	o.k	102.91	o.k	0.45	o.k	0.07	0.07	o.k	0.00	o.k
9	0.88	0.22	ENVOLS	Combination	Max	0.00	0.01	0.09	PAR SUPERIOR	0.0198	0.058	o.k	0.00	o.k	159.75	o.k	0.59	o.k	0.10	0.10	o.k	0.00	o.k
9	1.10	0.22	ENVOLS	Combination	Max	0.00	0.01	0.13	PAR SUPERIOR	0.0198	0.056	o.k	0.00	o.k	215.47	o.k	0.73	o.k	0.14	0.14	o.k	0.00	o.k
9	1.10	0.00	ENVOLS	Combination	Max	0.04	0.30	0.13	PAR SUPERIOR	0.0198	2.146	o.k	0.00	o.k	215.47	o.k	22.62	o.k	0.14	0.14	o.k	0.00	o.k
9	1.32	0.22	ENVOLS	Combination	Max	0.04	0.30	0.06	PAR SUPERIOR	0.0198	2.177	o.k	0.00	o.k	104.39	o.k	22.85	o.k	0.07	0.07	o.k	0.00	o.k
9	1.54	0.22	ENVOLS	Combination	Max	0.04	0.30	0.00	PAR SUPERIOR	0.0198	2.202	o.k	0.00	o.k	5.84	o.k	23.08	o.k	0.00	0.00	o.k	0.00	o.k
9	1.76	0.22	ENVOLS	Combination	Max	0.04	0.31	0.00	PAR SUPERIOR	0.0198	2.232	o.k	0.00	o.k	4.81	o.k	23.30	o.k	0.01	0.00	o.k	0.00	o.k
9	1.98	0.22	ENVOLS	Combination	Max	0.04	0.31	0.00	PAR SUPERIOR	0.0198	2.263	o.k	0.00	o.k	6.43	o.k	23.53	o.k	0.01	0.00	o.k	0.00	o.k
9	2.20	0.00	ENVOLS	Combination	Max	0.05	0.31	-0.01	PAR SUPERIOR	0.0198	2.288	o.k	0.00	o.k	8.72	o.k	23.76	o.k	0.01	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Min	-0.05	-0.16	-0.04	PAR SUPERIOR	0.0198	-	-	2.29	o.k	74.23	o.k	12.42	o.k	-	-	o.k	0.05	o.k
9	0.22	0.22	ENVOLS	Combination	Min	-0.04	-0.16	-0.01	PAR SUPERIOR	0.0198	-	-	2.26	o.k	14.07	o.k	12.20	o.k	-	-	o.k	0.01	o.k
9	0.44	0.22	ENVOLS	Combination	Min	-0.04	-0.16	0.00	PAR SUPERIOR	0.0198	-	-	2.23	o.k	3.77	o.k	11.97	o.k	-	-	o.k	0.00	o.k
9	0.66	0.22	ENVOLS	Combination	Min	-0.04	-0.16	0.00	PAR SUPERIOR	0.0198	-	-	2.20	o.k	1.87	o.k	11.74	o.k	-	-	o.k	0.00	o.k
9	0.88	0.22	ENVOLS	Combination	Min	-0.04	-0.15	0.00	PAR SUPERIOR	0.0198	-	-	2.18	o.k	0.69	o.k	11.52	o.k	-	-	o.k	0.00	o.k
9	1.10	0.22	ENVOLS	Combination	Min	-0.04	-0.15	0.00	PAR SUPERIOR	0.0198	-	-	2.15	o.k	3.92	o.k	11.30	o.k	-	-	o.k	0.00	o.k
9	1.10	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.06	o.k	3.92	o.k	0.14	o.k	-	-	o.k	0.00	o.k
9	1.32	0.22	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.04	o.k	5.55	o.k	0.01	o.k	-	-	o.k	0.00	o.k
9	1.54	0.22	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0198	-	-	0.02	o.k	7.79	o.k	0.13	o.k	-	-	o.k	0.00	o.k
9	1.76	0.22	ENVOLS	Combination	Min	0.00	0.00	-0.07	PAR SUPERIOR	0.0198	-	-	0.00	o.k	121.09	o.k	0.27	o.k	-	-	o.k	0.08	o.k
9	1.98	0.22	ENVOLS	Combination	Min	0.00	0.01	-0.14	PAR SUPERIOR	0.0198	0.014	o.k	0.00	o.k	255.51	o.k	0.40	o.k	0.15	0.15	o.k	0.00	o.k
9	2.20	0.00	ENVOLS	Combination	Min	0.00	0.01	-0.21	PAR SUPERIOR	0.0198	0.051	o.k	0.00	o.k	351.05	o.k	0.54	o.k	0.23	0.22	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.26	o.k	1.33	o.k	0.29	o.k	-	-	o.k	0.00	o.k
11	0.37	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.19	o.k	2.81	o.k	0.07	o.k	-	-	o.k	0.00	o.k
11	0.75	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.01	PAR SUPERIOR	0.0198	-	-	3.13	o.k	24.19	o.k	0.14	o.k	-	-	o.k	0.02	o.k
11	1.12	0.37	ENVOLS	Combination	Max	-0.06	0.00	0.11	PAR SUPERIOR	0.0198	-	-	3.07	o.k	188.38	o.k	0.36	o.k	-	-	o.k	0.12	o.k
11	1.25	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.14	PAR SUPERIOR	0.0198	-	-	3.05	o.k	242.46	o.k	0.43	o.k	-	-	o.k	0.16	o.k
11	1.25	0.00	ENVOLS	Combination	Max	-0.07	0.16	0.14	PAR SUPERIOR	0.0198	-	-	3.28	o.k	242.46	o.k	12.19	o.k	-	-	o.k	0.16	o.k
11	1.50	0.25	ENVOLS	Combination	Max	-0.06	0.16	0.10	PAR SUPERIOR	0.0198	-	-	3.24	o.k	174.18	o.k	12.43	o.k	-	-	o.k	0.11	o.k
11	1.87	0.37	ENVOLS	Combination	Max	-0.06	0.17	0.04	PAR SUPERIOR	0.0198	-	-	3.18	o.k	69.24	o.k	12.80	o.k	-	-	o.k	0.04	o.k
11	2.25	0.37	ENVOLS	Combination	Max	-0.06	0.17	0.00	PAR SUPERIOR	0.0198	-	-	3.12	o.k	1.31	o.k	13.15	o.k	-	-	o.k	0.00	o.k
11	2.37	0.12	ENVOLS	Combination	Max	-0.06	0.18	0.00	PAR SUPERIOR	0.0198	-	-	3.10	o.k	0.69	o.k	13.27	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	2.37	0.00	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	2.93	o.k	0.69	o.k	0.42	o.k	-	-	o.k	0.00	o.k
11	2.50	0.13	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	2.91	o.k	14.80	o.k	0.50	o.k	-	-	o.k	0.01	o.k
11	2.50	0.00	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	3.15	o.k	14.80	o.k	0.58	o.k	-	-	o.k	0.01	o.k
11	2.62	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.01	PAR SUPERIOR	0.0198	-	-	3.13	o.k	13.01	o.k	0.70	o.k	-	-	o.k	0.01	o.k
11	2.99	0.37	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	3.07	o.k	5.69	o.k	1.06	o.k	-	-	o.k	0.00	o.k
11	3.37	0.37	ENVOLS	Combination	Max	-0.06	0.02	0.00	PAR SUPERIOR	0.0198	-	-	3.00	o.k	0.58	o.k	1.42	o.k	-	-	o.k	0.00	o.k
11	3.74	0.00	ENVOLS	Combination	Max	-0.06	0.02	0.00	PAR SUPERIOR	0.0198	-	-	2.94	o.k	1.94	o.k	1.78	o.k	-	-	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-2.44	-0.27	-0.19	PAR SUPERIOR	0.0198	-	-	123.03	o.k	315.18	o.k	20.64	o.k	-	-	o.k	0.21	o.k
11	0.37	0.37	ENVOLS	Combination	Min	-2.43	-0.27	-0.08	PAR SUPERIOR	0.0198	-	-	122.92	o.k	145.00	o.k	20.28	o.k	-	-	o.k	0.10	o.k
11	0.75	0.37	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.81	o.k	2.49	o.k	19.92	o.k	-	-	o.k	0.01	o.k
11	1.12	0.37	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.71	o.k	0.39	o.k	19.55	o.k	-	-	o.k	0.01	o.k
11	1.25	0.12	ENVOLS	Combination	Min	-2.43	-0.26	0.00	PAR SUPERIOR	0.0198	-	-	122.68	o.k	0.71	o.k	19.44	o.k	-	-	o.k	0.01	o.k
11	1.25	0.00	ENVOLS	Combination	Min	-2.25	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	113.45	o.k	0.71	o.k	0.38	o.k	-	-	o.k	0.01	o.k
11	1.50	0.25	ENVOLS	Combination	Min	-2.25	0.00	0.00	PAR SUPERIOR	0.0198	-	-	113.38	o.k	0.99	o.k	0.23	o.k	-	-	o.k	0.01	o.k
11	1.87	0.37	ENVOLS	Combination	Min	-2.24	0.00	0.00	PAR SUPERIOR	0.0198	-	-	113.28	o.k	2.05	o.k	0.02	o.k	-	-	o.k	0.01	o.k
11	2.25	0.37	ENVOLS	Combination	Min	-2.24	0.00	-0.02	PAR SUPERIOR	0.0198	-	-	113.17	o.k	38.67	o.k	0.20	o.k	-	-	o.k	0.03	o.k
11	2.37	0.12	ENVOLS	Combination	Min	-2.24	0.00	-0.04	PAR SUPERIOR	0.0198	-	-	113.14	o.k	74.18	o.k	0.27	o.k	-	-	o.k	0.05	o.k
11	2.37	0.00	ENVOLS	Combination	Min	-1.90	-0.41	-0.04	PAR SUPERIOR	0.0198	-	-	96.05	o.k	74.18	o.k	31.17	o.k	-	-	o.k	0.05	o.k
11	2.50	0.13	ENVOLS	Combination	Min	-1.90	-0.41	0.00	PAR SUPERIOR	0.0198	-	-	96.02	o.k	0.64	o.k	31.05	o.k	-	-	o.k	0.01	o.k
11	2.50	0.00	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.80	o.k	0.64	o.k	0.31	o.k	-	-	o.k	0.00	o.k
11	2.62	0.12	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.76	o.k	0.13	o.k	0.24	o.k	-	-	o.k	0.00	o.k
11	2.99	0.37	ENVOLS	Combination	Min	-1.72	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.66	o.k	1.25	o.k	0.05	o.k	-	-	o.k	0.00	o.k
11	3.37	0.37	ENVOLS	Combination	Min	-1.71	0.00	0.00	PAR SUPERIOR	0.0198	-	-	86.55	o.k	4.61	o.k	0.19	o.k	-	-	o.k	0.01	o.k
11	3.74	0.00	ENVOLS	Combination	Min	-1.71	0.01	-0.01	PAR SUPERIOR	0.0198	-	-	86.44	o.k	17.93	o.k	0.41	o.k	-	-	o.k	0.02	o.k
14	0.00	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	2.99	o.k	1.94	o.k	0.36	o.k	-	-	o.k	0.00	o.k
14	0.35	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.06	o.k	0.06	o.k	0.16	o.k	-	-	o.k	0.00	o.k
14	0.69	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.12	o.k	0.54	o.k	0.04	o.k	-	-	o.k	0.00	o.k
14	1.04	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.18	o.k	0.51	o.k	0.32	o.k	-	-	o.k	0.00	o.k
14	1.16	0.12	ENVOLS	Combination	Max	-0.06	0.01	0.00	PAR SUPERIOR	0.0198	-	-	3.20	o.k	1.20	o.k	0.43	o.k	-	-	o.k	0.00	o.k
14	1.16	0.00	ENVOLS	Combination	Max	-0.06	0.41	0.00	PAR SUPERIOR	0.0198	-	-	2.94	o.k	1.20	o.k	31.51	o.k	-	-	o.k	0.00	o.k
14	1.32	0.16	ENVOLS	Combination	Max	-0.06	0.42	0.00	PAR SUPERIOR	0.0198	-	-	2.97	o.k	0.44	o.k	31.46	o.k	-	-	o.k	0.00	o.k
14	1.32	0.00	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.13	o.k	0.44	o.k	0.27	o.k	-	-	o.k	0.00	o.k
14	1.39	0.07	ENVOLS	Combination	Max	-0.06	0.00	0.00	PAR SUPERIOR	0.0198	-	-	3.15	o.k	0.84	o.k	0.23	o.k	-	-	o.k	0.00	o.k
14	1.74	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.03	PAR SUPERIOR	0.0198	-	-	3.21	o.k	47.83	o.k	0.04	o.k	-	-	o.k	0.03	o.k
14	2.08	0.35	ENVOLS	Combination	Max	-0.06	0.00	0.11	PAR SUPERIOR	0.0198	-	-	3.27	o.k	184.81	o.k	0.16	o.k	-	-	o.k	0.12	o.k
14	2.51	0.25	ENVOLS	Combination	Max	-0.07	0.00	0.16	PAR SUPERIOR	0.0198	-	-	3.31	o.k	274.75	o.k	0.29	o.k	-	-	o.k	0.18	o.k
14	2.51	0.00	ENVOLS	Combination	Max	-0.06	0.18	0.16	PAR SUPERIOR	0.0198	-	-	3.06	o.k	274.75	o.k	13.75	o.k	-	-	o.k	0.18	o.k
14	2.45	0.12	ENVOLS	Combination	Max	-0.06	0.18	0.14	PAR SUPERIOR	0.0198	-	-	3.08	o.k	259.24	o.k	13.86	o.k	-	-	o.k	0.15	o.k
14	2.78	0.35	ENVOLS	Combination	Max	-0.06	0.19	0.08	PAR SUPERIOR	0.0198	-	-	3.14	o.k	151.04	o.k	14.19	o.k	-	-	o.k	0.08	o.k
14	3.12	0.35	ENVOLS	Combination	Max	-0.06	0.19	0.01	PAR SUPERIOR	0.0198	-	-	3.21	o.k	20.32	o.k	14.52	o.k	-	-	o.k	0.01	o.k
14	3.47	0.00	ENVOLS	Combination	Max	-0.06	0.20	0.00	PAR SUPERIOR	0.0198	-	-	3.27	o.k	4.87	o.k	14.85	o.k	-	-	o.k	0.00	o.k
14	0.00	0.00	ENVOLS	Combination	Min	-1.74	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	88.07	o.k	17.93	o.k	0.91	o.k	-	-	o.k	0.02	o.k
14	0.35	0.35	ENVOLS	Combination	Min	-1.75	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	88.17	o.k	12.15	o.k	0.58	o.k	-	-	o.k	0.01	o.k
14	0.69	0.35	ENVOLS	Combination	Min	-1.75	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	88.27	o.k	8.92	o.k	0.26	o.k	-	-	o.k	0.01	o.k
14	1.04	0.35	ENVOLS	Combination	Min	-1.75	0.00	0.00	PAR SUPERIOR	0.0198	-	-	88.38	o.k	8.23	o.k	0.02	o.k	-	-	o.k	0.01	o.k
14	1.16	0.12	ENVOLS	Combination	Min	-1.75	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	88.41	o.k	8.57	o.k	0.09	o.k	-	-	o.k	0.01	o.k
14	1.16	0.00	ENVOLS	Combination	Min	-1.95	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	98.36	o.k	8.57	o.k	0.50	o.k	-	-	o.k	0.01	o.k
14	1.32	0.16	ENVOLS	Combination	Min	-1.95	-0.01	-0.07	PAR SUPERIOR	0.0198	-	-	98.41	o.k	120.51	o.k	0.41	o.k	-	-	o.k	0.08	o.k
14	1.32	0.00	ENVOLS	Combination	Min	-2.28	-0.24	-0.07	PAR SUPERIOR	0.0198	-	-	115.17	o.k	120.51	o.k	18.52	o.k	-	-	o.k	0.08	o.k
14	1.39	0.07	ENVOLS	Combination	Min	-2.28	-0.24	-0.05	PAR SUPERIOR	0.0198	-	-	115.19	o.k	91.68	o.k	18.25	o.k	-	-	o.k	0.07	o.k
14	1.74	0.35	ENVOLS	Combination	Min	-2.28	-0.24	0.00	PAR SUPERIOR	0.0198	-	-	115.29	o.k	1.89	o.k	17.92	o.k	-	-	o.k	0.01	o.k
14	2.08	0.35	ENVOLS	Combination	Min	-2.28	-0.25	0.00	PAR SUPERIOR	0.0198	-	-	115.40	o.k	1.41	o.k	17.60	o.k	-	-	o.k	0.01	o.k
14	2.51	0.25	ENVOLS	Combination	Min	-2.29	-0.25	0.00	PAR SUPERIOR	0.0198	-	-	115.47	o.k	0.25	o.k	17.38	o.k	-	-	o.k	0.01	o.k
14	2.51	0.00	ENVOLS	Combination	Min	-2.48	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	125.41	o.k	0.25	o.k	0.51	o.k	-	-	o.k	0.01	o.k
14	2.45	0.12	ENVOLS	Combination	Min	-2.48	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	125.45	o.k	1.46	o.k	0.44	o.k	-	-	o.k	0.01	o.k
14	2.78	0.35	ENVOLS	Combination	Min	-2.49	0.00	0.00	PAR SUPERIOR	0.0198	-	-	125.55	o.k	4.12	o.k	0.24	o.k	-	-	o.k	0.01	o.k
14	3.12	0.35	ENVOLS	Combination	Min	-2.49	0.00	0.00	PAR SUPERIOR	0.0198	-	-	125.66	o.k	5.25	o.k	0.05	o.k	-	-	o.k	0.01	o.k
14	3.47	0.00	ENVOLS	Combination	Min	-2.49	0.00	-0.06	PAR SUPERIOR	0.0198	-	-	125.76	o.k	92.95	o.k	0.15	o.k	-	-	o.k	0.09	o.k

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 1

EVALUACION DE DEFORMACIONES



Luz Libre 6.56 m
Deformacion Admisible
2.19 cm
Deforamcion cercha
0.15 cm

CUMPLE



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 1- CRUJIA 1

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

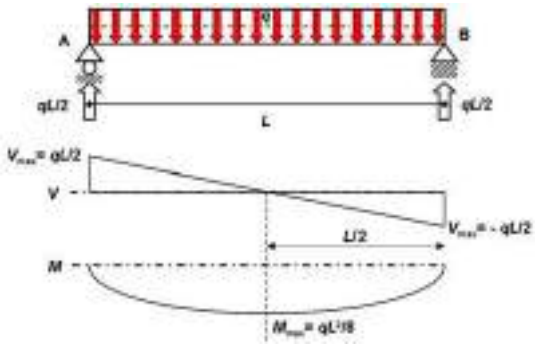
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 2.25 m L Afe= 1.50 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.8 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 75.00 Kg/m
CM= 148.10 Kg/m
W= 92.39 Kg/m



q_U =	**273.64 Kg/m**
$V_{MÀX}$=	**307.85 Kg**
$M_{MÀX}$=	**173.16 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** No Cumple Indice de Sobre esfuerzo = 1.04

IV. *CORTE.*

$\tau = \frac{3*V_{MÁX}}{2*b*h}$

τ= *5.77 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$\delta = \frac{5*W_U*L^4}{384*E*I}$

δ= *2.10 cm* > δ Admisible, No Cumple
δ Admisible L/300= 0.8 cm

NOTA:

4.11.5.2 Tipo 2

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA CRUJIA 1

Corresponde al analisis de la crujia 1 cerchas CH3, CH4 y C H8 A CH10, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 61.59 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.50	142.50	75.00	**75.00**	**92.39**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.79	255.08	134.25	**134.25**	**165.38**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None
COMB5	G			
COMB6	D	None	None	None
COMB6	W			

COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		

COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
2	Rectangular	N.A.	TIR 20X9	N.A.	Default
6	Rectangular	N.A.	TORN 12X12	N.A.	Default
7	Rectangular	N.A.	TORN 12X12	N.A.	Default
8	Rectangular	N.A.	PEN 18X11	N.A.	Default
11	Rectangular	N.A.	PAR 18X11	N.A.	Default
14	Rectangular	N.A.	PAR 18X11	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
1/2"	A615Gr60	Circle	0.0127			
PAR 18X11	M-ES2	Rectangular	0.18	0.11		
PEN 18X11	M-ES2	Rectangular	0.18	0.11		
PUNT 10X8	M-ES2	Rectangular	0.08	0.1		
TIR 20X9	M-ES2	Rectangular	0.2	0.09		
TORN 12X12	M-ES2	Rectangular	0.12	0.12		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
1/2"	0.000127	2.554E-09	1.277E-09	1.277E-09	0.	0.000114	0.000114
PAR 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PEN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PUNT 10X8	0.008	8.759E-06	4.267E-06	6.667E-06	0.	0.006667	0.006667
TIR 20X9	0.018	0.000035	0.00006	0.000012	0.	0.015	0.015
TORN 12X12	0.0144	0.000029	0.000017	0.000017	0.	0.012	0.012
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
1/2"	2.011E-07	2.011E-07	3.414E-07	3.414E-07	0.003175	0.003175	
PAR 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PEN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PUNT 10X8	0.000107	0.000133	0.00016	0.0002	0.023094	0.028868	
TIR 20X9	0.0006	0.00027	0.0009	0.000405	0.057735	0.025981	
TORN 12X12	0.000288	0.000288	0.000432	0.000432	0.034641	0.034641	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
1/2"	No	No	Red	0.	0.	No	1.
PAR 18X11	No	No	Cyan	99.99	10.2	No	1.
PEN 18X11	No	No	White	20.79	2.12	No	1.
PUNT 10X8	No	No	Cyan	0.	0.	No	1.
TIR 20X9	No	No	Magenta	82.66	8.43	No	1.
TORN 12X12	No	No	Blue	31.12	3.17	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
1/2"	1.	1.	1.	1.	1.	1.	1.
PAR 18X11	1.	1.	1.	1.	1.	1.	1.
PEN 18X11	1.	1.	1.	1.	1.	1.	1.
PUNT 10X8	1.	1.	1.	1.	1.	1.	1.
TIR 20X9	1.	1.	1.	1.	1.	1.	1.
TORN 12X12	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
1/2"			
PAR 18X11			
PEN 18X11			
PUNT 10X8			
TIR 20X9			
TORN 12X12			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
1/2"	Added 20/07/2017 12:06:31 a. m.
PAR 18X11	Added 01/06/2017 00:06:46
PEN 18X11	Added 01/06/2017 00:08:01

PUNT 10X8	Added 01/06/2017 00:08:43
TIR 20X9	Added 01/06/2017 00:07:12
TORN 12X12	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		2.16	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.34	Primary	Gray8Dark	Yes	End
GLOBAL	X		5.59	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.79	Primary	Gray8Dark	Yes	End
GLOBAL	X		8.72	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		0.41	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.35	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.91	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
3	D	GLOBAL	0.	0.	-225.08	0.	0.
3	Lr	GLOBAL	0.	0.	-134.25	0.	0.
3	G	GLOBAL	0.	0.	-134.25	0.	0.
3	W	GLOBAL	0.	0.	-165.38	0.	0.
4	D	GLOBAL	0.	0.	-225.08	0.	0.
4	Lr	GLOBAL	0.	0.	-134.25	0.	0.

4	G	GLOBAL	0.	0.	-134.25	0.	0.
4	W	GLOBAL	0.	0.	-165.38	0.	0.
5	D	GLOBAL	0.	0.	-225.08	0.	0.
5	Lr	GLOBAL	0.	0.	-134.25	0.	0.
5	G	GLOBAL	0.	0.	-134.25	0.	0.
5	W	GLOBAL	0.	0.	-165.38	0.	0.
10	D	GLOBAL	0.	0.	-225.08	0.	0.
10	Lr	GLOBAL	0.	0.	-134.25	0.	0.
10	G	GLOBAL	0.	0.	-134.25	0.	0.
10	W	GLOBAL	0.	0.	-165.38	0.	0.
11	D	GLOBAL	0.	0.	-225.08	0.	0.
11	Lr	GLOBAL	0.	0.	-134.25	0.	0.
11	G	GLOBAL	0.	0.	-134.25	0.	0.
11	W	GLOBAL	0.	0.	-165.38	0.	0.
12	D	GLOBAL	0.	0.	-225.08	0.	0.
12	Lr	GLOBAL	0.	0.	-134.25	0.	0.
12	G	GLOBAL	0.	0.	-134.25	0.	0.
12	W	GLOBAL	0.	0.	-165.38	0.	0.
13	D	GLOBAL	0.	0.	-225.08	0.	0.
13	Lr	GLOBAL	0.	0.	-134.25	0.	0.
13	G	GLOBAL	0.	0.	-134.25	0.	0.
13	W	GLOBAL	0.	0.	-165.38	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
3	D	0.	585ba222-6d70-4c14-810d-e36a1f0f3b4c
3	Lr	0.	c1d9c780-551f-46e9-b225-09287e698382
3	G	0.	c55f7b56-b932-428a-87fb-6ee119b8ac50
3	W	0.	04571284-d278-487c-a7ae-a79ac3047801
4	D	0.	e1b351e4-646e-44af-8c88-14a36069ef32
4	Lr	0.	541b9c93-3cf1-4975-a820-06fded25d771
4	G	0.	f0cd2566-f354-44a4-9857-5affca93d562
4	W	0.	721f54e7-2160-40cc-bde2-df4dd604823a
5	D	0.	3f188135-92f3-4c41-9450-a85d5581385f
5	Lr	0.	f74b71bc-4b35-40f3-ae4f-9d6b0623b761
5	G	0.	0980c8d7-ee07-4184-b1eb-4e8edeb902e3
5	W	0.	c46937dd-d100-4cc0-b03c-458cfba191b2
10	D	0.	8a6b6cf7-ebaa-4a1e-897a-e65846371400

10	Lr	0.	a8581f55-4a12-451e-b3a2-930b38e23b7a
10	G	0.	006dd17c-83fb-424f-8988-ebef7fcf54b4
10	W	0.	39a591f4-152d-4aec-b618-d3af0055935f
11	D	0.	14c890e2-8e4f-4fa9-a1a0-6b903cad6888
11	Lr	0.	98708a25-1bcf-456b-a365-7497ebdaad01
11	G	0.	22bf79c1-0f78-4b10-98ad-df1d9c29a821
11	W	0.	4ea0f548-fd21-43b0-aad9-96a6d1d0d6a0
12	D	0.	4a3dee8c-7fe4-4dd8-b23b-e3b296c238b7
12	Lr	0.	bd8a76f4-a4ec-4758-9170-8031bf5c3c62
12	G	0.	474c7408-545d-41f0-a23a-f16cba375c7d
12	W	0.	00a25d05-8731-4c16-b9ff-bb1867b74a80
13	D	0.	c14599d6-3b44-4ea8-b87c-493c5e4ea4a6
13	Lr	0.	9bb6221c-3b3d-4a4c-8ae7-a51c1157c2b3
13	G	0.	47478eeb-d7b1-4c49-b66c-816d53b57337
13	W	0.	92995359-11ed-4627-855a-52fb6345382e

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	

G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

Table: Material Properties 01 - General, Part 1 of 2

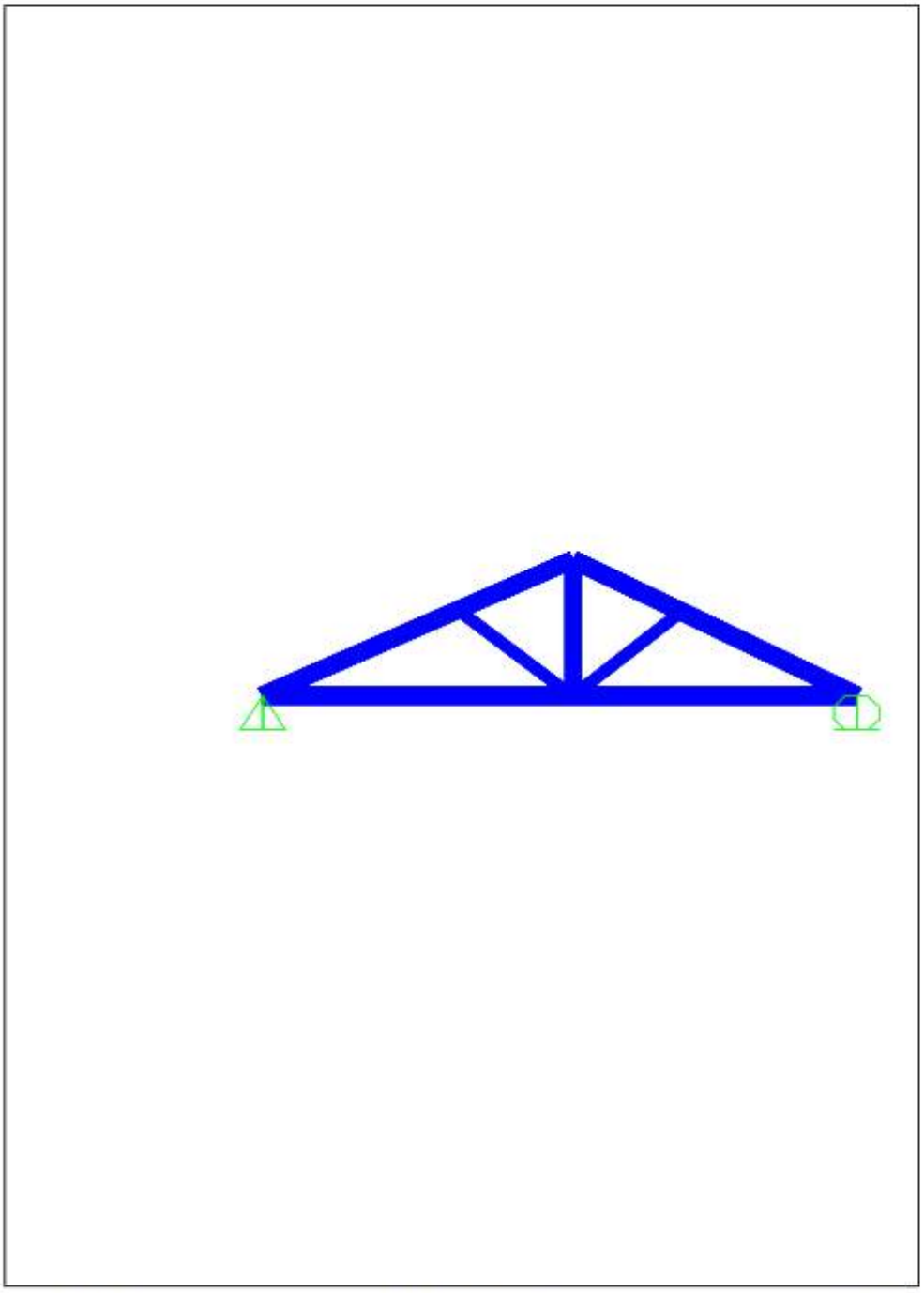
Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.

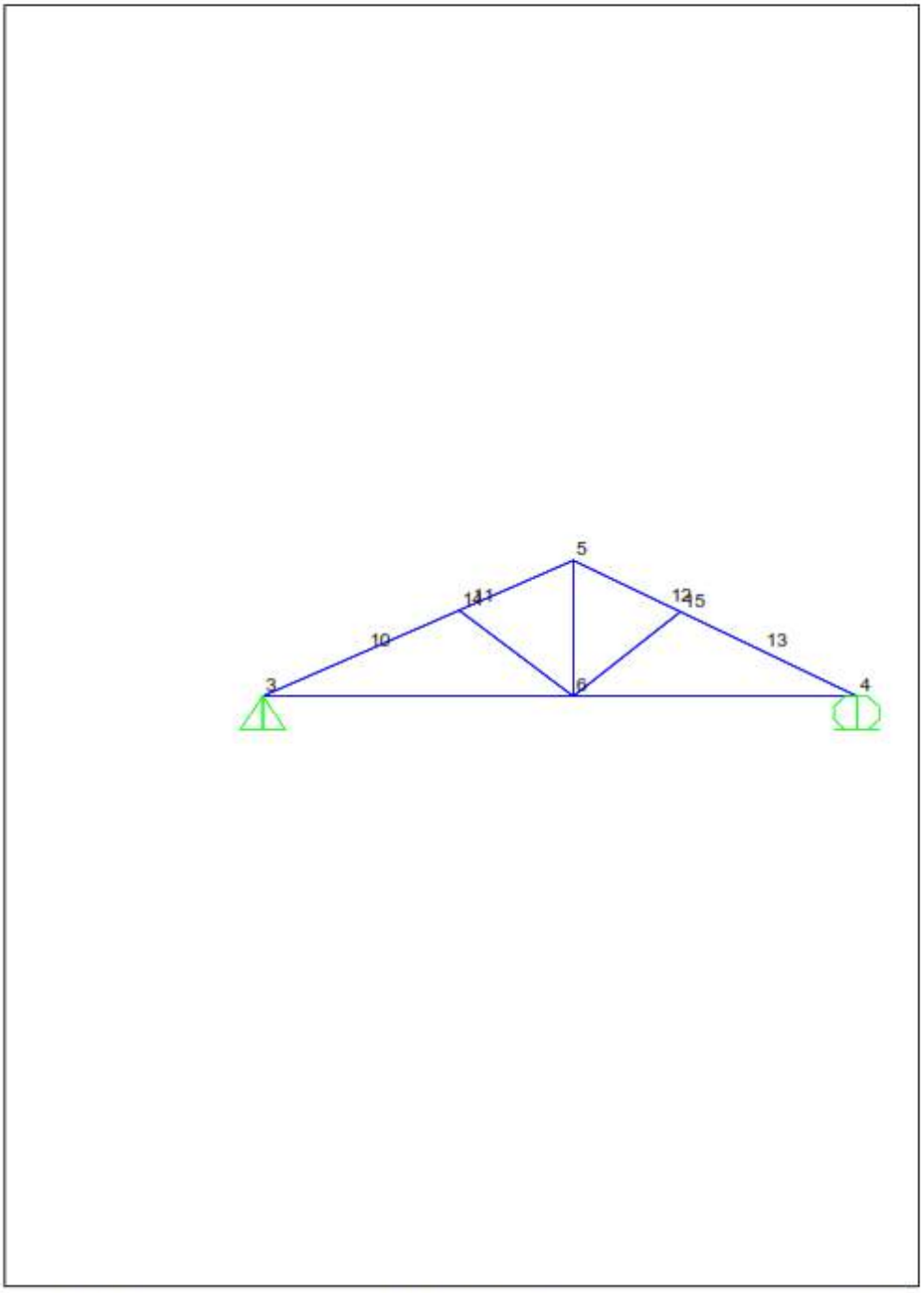
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 2.sdb



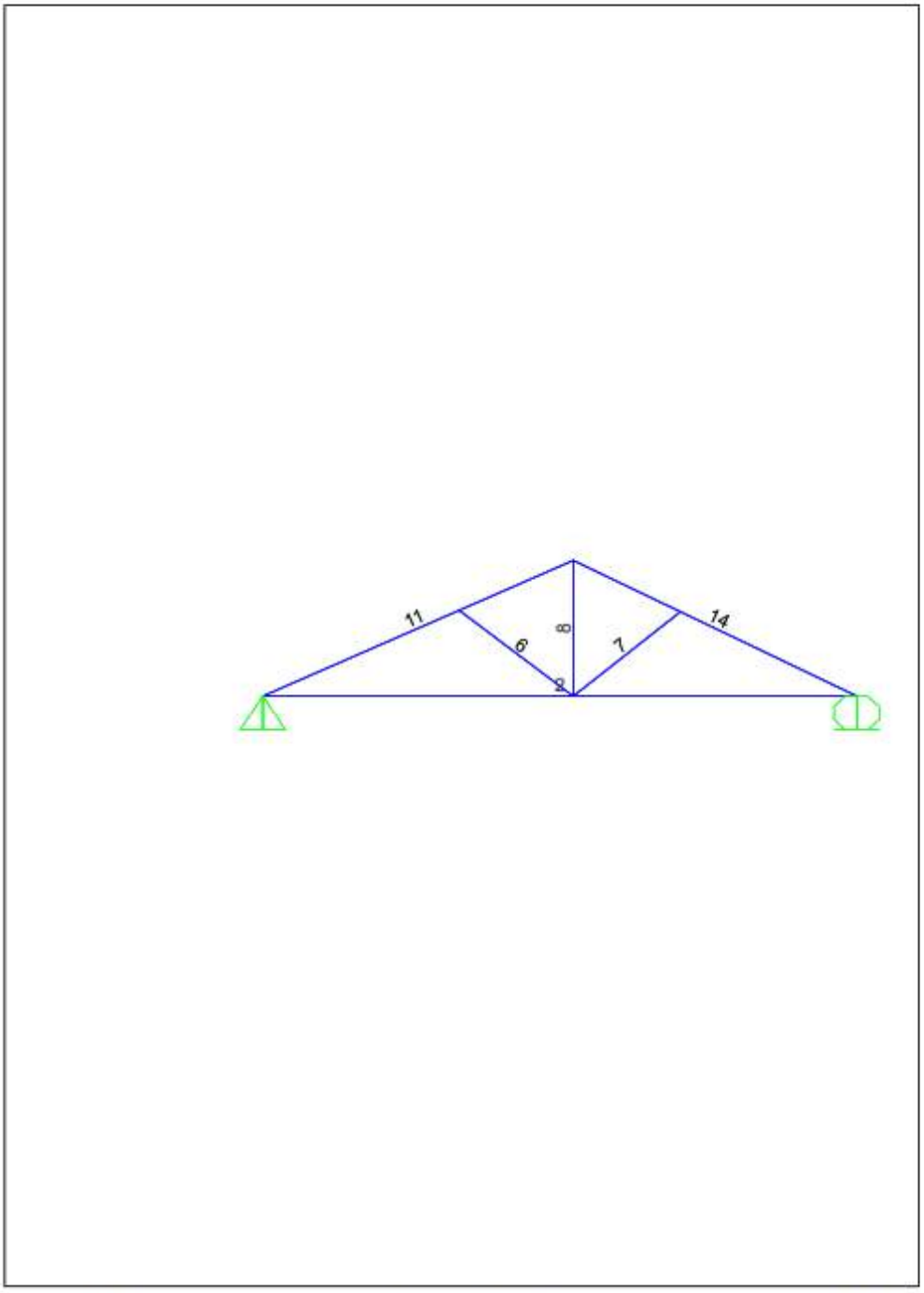
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 2.sdb



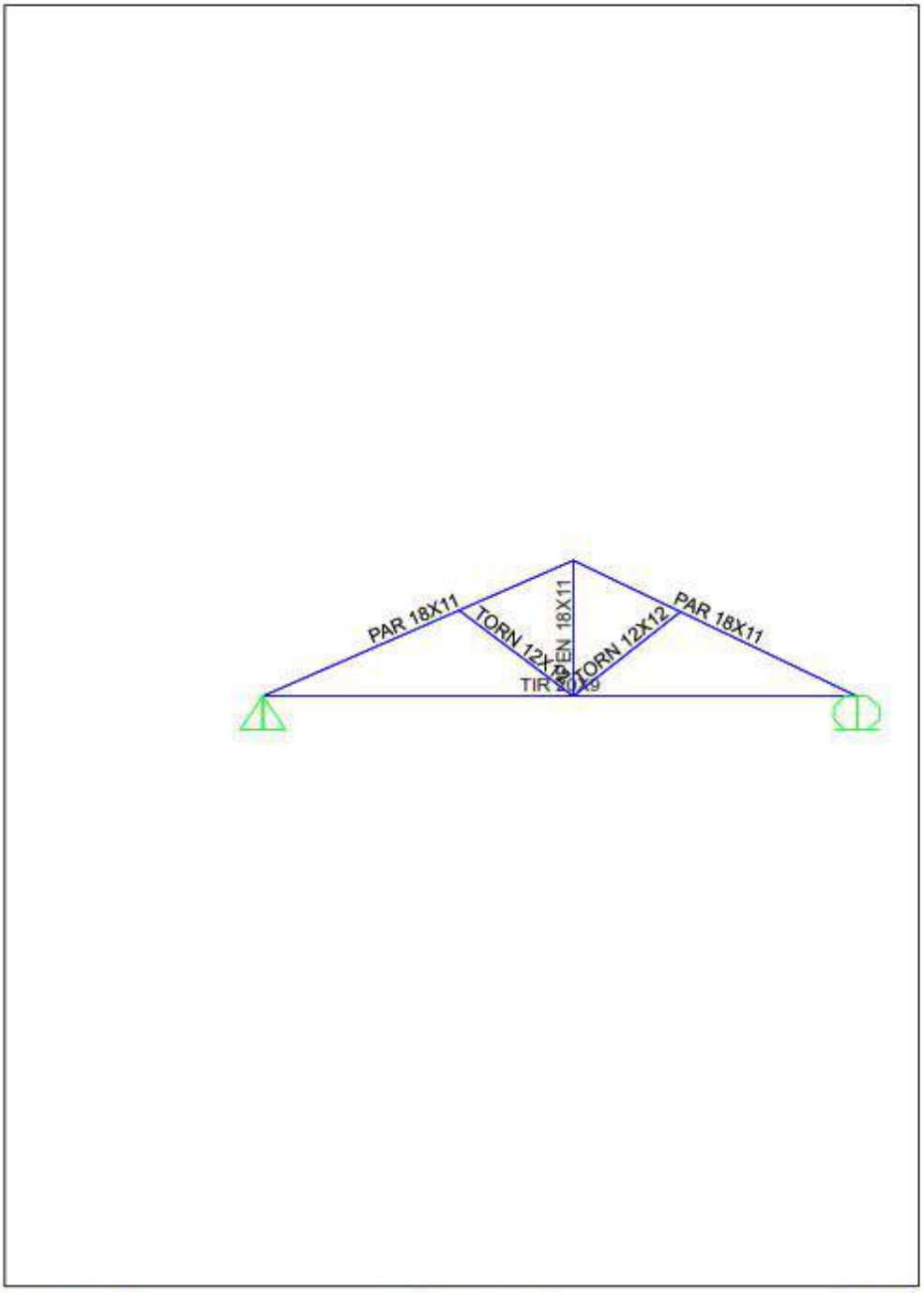
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CERCHA TIPO 2.sdb



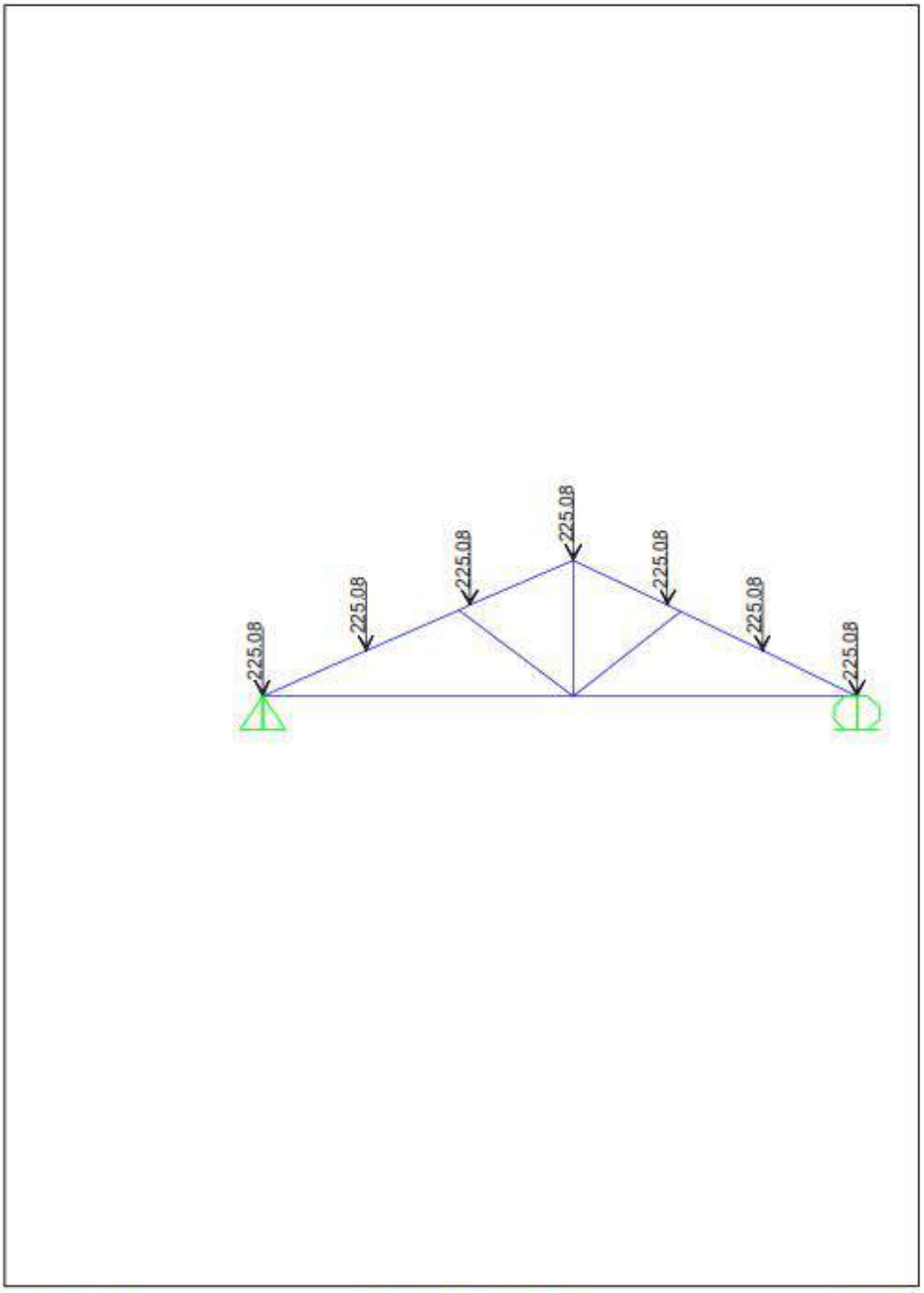
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CERCHA TIPO 2.sdb



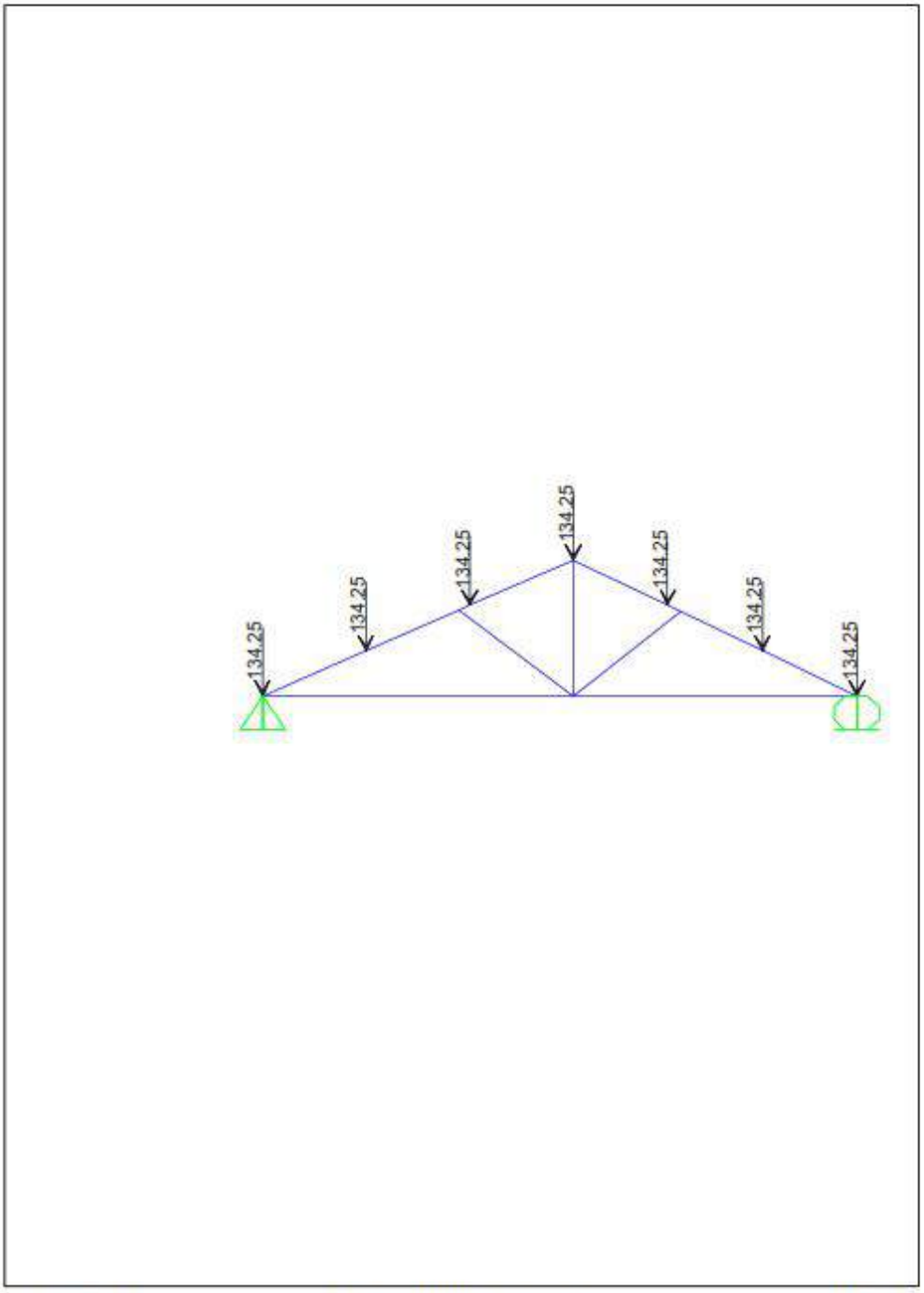
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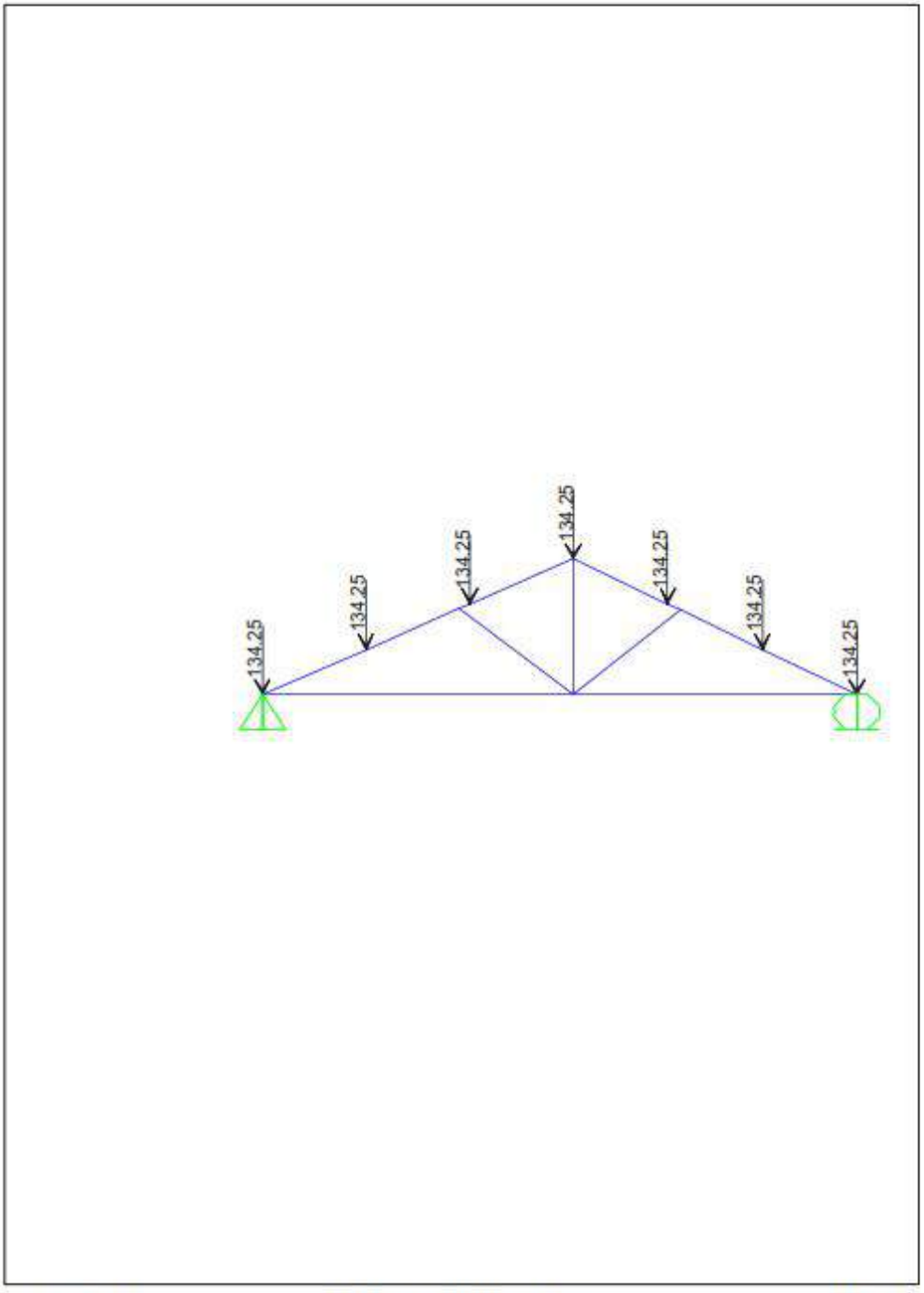
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

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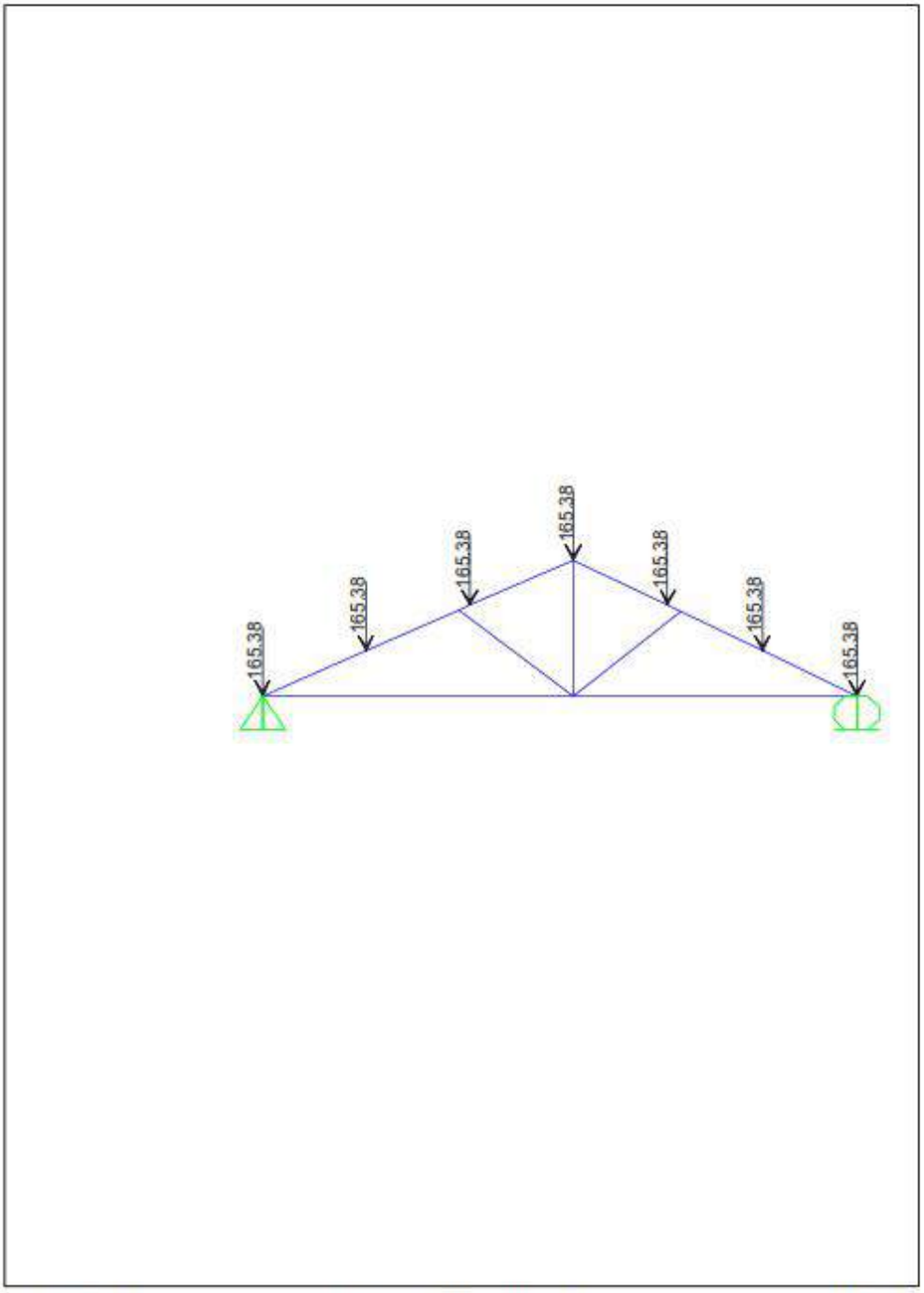
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 2.sdb



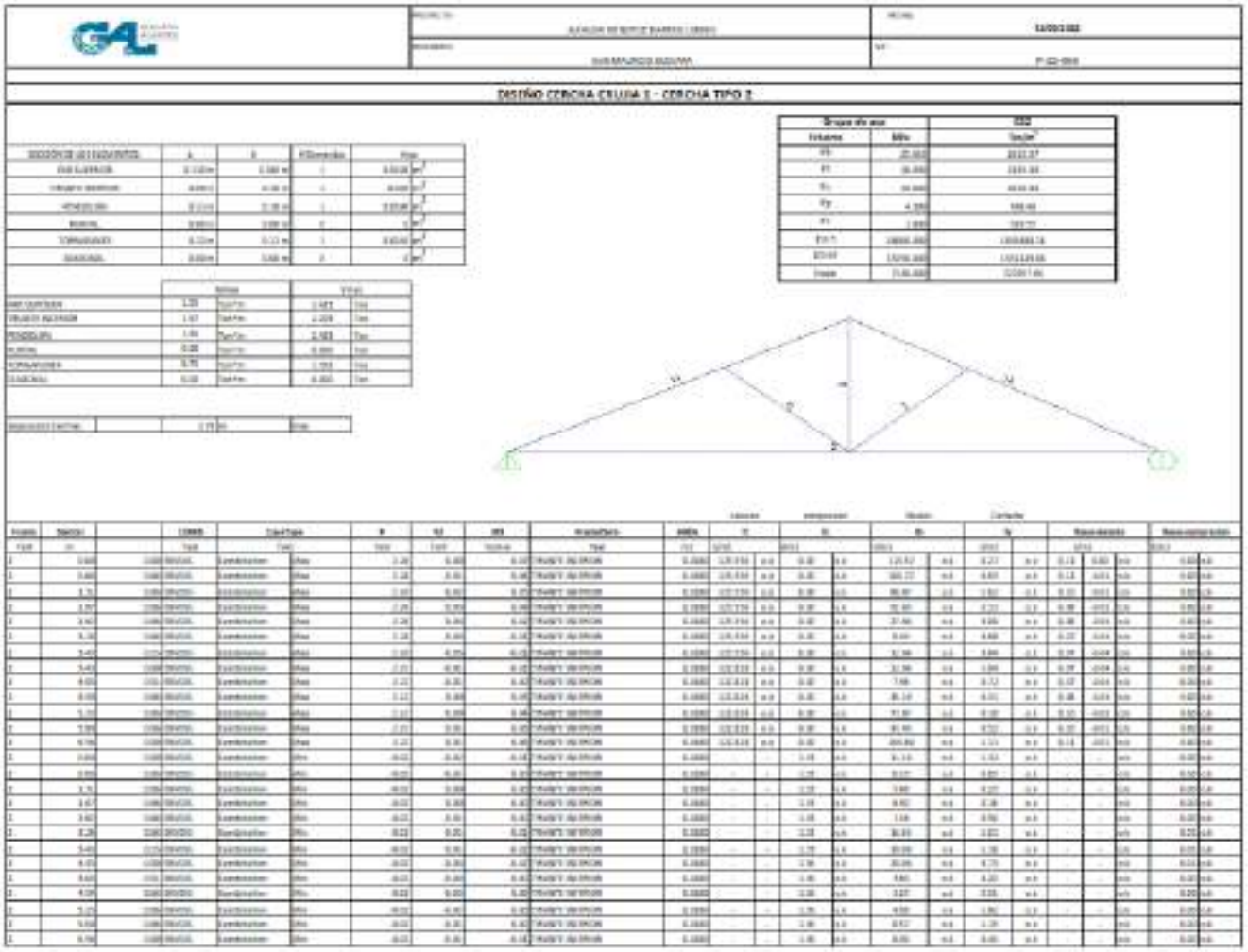
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 2.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elementos Grupo ES2



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.00	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.565	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.597	o.k	0.00	o.k	1.52	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.639	o.k	0.00	o.k	2.69	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.681	o.k	0.00	o.k	3.55	o.k	0.16	o.k	0.00	0.00	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.715	o.k	0.00	o.k	4.06	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.757	o.k	0.00	o.k	4.23	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.799	o.k	0.00	o.k	4.06	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.840	o.k	0.00	o.k	3.55	o.k	0.26	o.k	0.00	0.00	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.875	o.k	0.00	o.k	2.69	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Max	0.03	0.01	0.00	TORNAPUNTA	0.0144	1.917	o.k	0.00	o.k	1.52	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Max	0.03	0.01	0.00	TORNAPUNTA	0.0144	1.958	o.k	0.00	o.k	0.00	o.k	0.67	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Min	-0.79	-0.01	0.00	TORNAPUNTA	0.0144	-	-	54.57	o.k	0.00	-	0.67	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Min	-0.78	-0.01	0.00	TORNAPUNTA	0.0144	-	-	54.51	o.k	0.91	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.44	o.k	1.62	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.38	o.k	2.12	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.31	o.k	2.42	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.24	o.k	2.53	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.17	o.k	2.42	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.11	o.k	2.12	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.04	o.k	1.62	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	55.97	o.k	0.91	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	55.91	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.625	o.k	0.00	o.k	0.00	-	0.37	o.k	0.00	0.00	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.667	o.k	0.00	o.k	1.36	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.708	o.k	0.00	o.k	2.44	o.k	0.23	o.k	0.00	0.00	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.743	o.k	0.00	o.k	3.20	o.k	0.15	o.k	0.00	0.00	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.785	o.k	0.00	o.k	3.65	o.k	0.07	o.k	0.00	0.00	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.819	o.k	0.00	o.k	3.80	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
7	0.91	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.861	o.k	0.00	o.k	3.65	o.k	0.12	o.k	0.00	0.00	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.903	o.k	0.00	o.k	3.20	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.938	o.k	0.00	o.k	2.44	o.k	0.37	o.k	0.00	0.00	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.979	o.k	0.00	o.k	1.36	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Max	0.03	0.01	0.00	TORNAPUNTA	0.0144	2.021	o.k	0.00	o.k	0.00	o.k	0.62	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	-0.74	-0.01	0.00	TORNAPUNTA	0.0144	-	-	51.08	o.k	0.00	-	0.62	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.01	o.k	0.82	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.94	o.k	1.48	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.88	o.k	1.82	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.81	o.k	2.19	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.75	o.k	2.29	o.k	0.00	o.k	-	-	o.k	0.00	o.k
7	0.91	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.68	o.k	2.19	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.62	o.k	1.92	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.55	o.k	1.48	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.49	o.k	0.82	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.42	o.k	0.00	o.k	0.37	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	51.843	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	51.949	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	52.056	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	52.162	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	52.263	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.369	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.581	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.687	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Max	1.05	0.00	0.00	PENDOLON	0.0198	52.788	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Max	1.05	0.00	0.00	PENDOLON	0.0198	52.894	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	PENDOLON	0.0198	0.187	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Min	0.00	0.00	0.00	PENDOLON	0.0198	0.247	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.313	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.374	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.439	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.500	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k

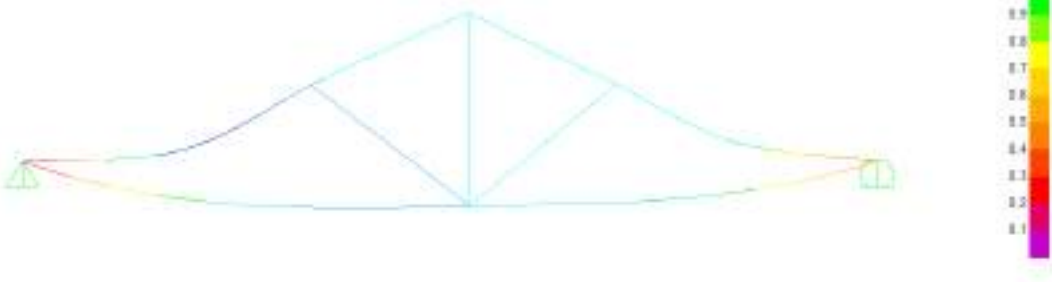
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
8	0.90	0.15	ENVOI5	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.566	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.05	0.15	ENVOI5	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.626	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.20	0.15	ENVOI5	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.692	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.35	0.15	ENVOI5	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.753	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.50	0.00	ENVOI5	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0198	0.818	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOI5	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0198	1.449	o.k	0.00	o.k	11.16	o.k	0.44	o.k	0.01	0.00	o.k	0.00	o.k
11	0.37	0.37	ENVOI5	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0198	1.510	o.k	0.00	o.k	14.48	o.k	0.66	o.k	0.01	0.00	o.k	0.00	o.k
11	0.75	0.37	ENVOI5	Combination	Max	0.03	0.01	0.08	PAR SUPERIOR	0.0198	1.576	o.k	0.00	o.k	159.51	o.k	0.87	o.k	0.05	0.05	o.k	0.00	o.k
11	1.12	0.37	ENVOI5	Combination	Max	0.03	0.01	0.16	PAR SUPERIOR	0.0198	1.636	o.k	0.00	o.k	261.57	o.k	1.09	o.k	0.10	0.10	o.k	0.00	o.k
11	1.25	0.12	ENVOI5	Combination	Max	0.03	0.02	0.18	PAR SUPERIOR	0.0198	1.657	o.k	0.00	o.k	301.58	o.k	1.16	o.k	0.12	0.11	o.k	0.00	o.k
11	1.25	0.00	ENVOI5	Combination	Max	0.02	0.22	0.18	PAR SUPERIOR	0.0198	1.045	o.k	0.00	o.k	301.58	o.k	16.85	o.k	0.12	0.11	o.k	0.00	o.k
11	1.50	0.25	ENVOI5	Combination	Max	0.02	0.23	0.12	PAR SUPERIOR	0.0198	1.086	o.k	0.00	o.k	207.46	o.k	17.09	o.k	0.08	0.08	o.k	0.00	o.k
11	1.87	0.37	ENVOI5	Combination	Max	0.02	0.23	0.04	PAR SUPERIOR	0.0198	1.152	o.k	0.00	o.k	63.77	o.k	17.45	o.k	0.03	0.02	o.k	0.00	o.k
11	2.25	0.37	ENVOI5	Combination	Max	0.02	0.24	0.00	PAR SUPERIOR	0.0198	1.212	o.k	0.00	o.k	3.48	o.k	17.81	o.k	0.00	0.00	o.k	0.00	o.k
11	2.37	0.12	ENVOI5	Combination	Max	0.02	0.24	0.00	PAR SUPERIOR	0.0198	1.232	o.k	0.00	o.k	4.38	o.k	17.92	o.k	0.00	0.00	o.k	0.00	o.k
11	2.37	0.00	ENVOI5	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0198	0.702	o.k	0.00	o.k	4.38	o.k	1.70	o.k	0.00	0.00	o.k	0.00	o.k
11	2.50	0.13	ENVOI5	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0198	0.722	o.k	0.00	o.k	0.59	o.k	1.78	o.k	0.00	0.00	o.k	0.00	o.k
11	2.50	0.00	ENVOI5	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.111	o.k	0.00	o.k	0.59	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
11	2.62	0.12	ENVOI5	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.151	o.k	0.00	o.k	0.22	o.k	0.26	o.k	0.00	0.00	o.k	0.00	o.k
11	2.99	0.37	ENVOI5	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.392	o.k	0.00	o.k	1.43	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
11	3.37	0.37	ENVOI5	Combination	Max	0.01	0.00	0.00	PAR SUPERIOR	0.0198	0.258	o.k	0.00	o.k	0.86	o.k	0.17	o.k	0.00	0.00	o.k	0.00	o.k
11	3.74	0.00	ENVOI5	Combination	Max	0.01	0.01	0.00	PAR SUPERIOR	0.0198	0.318	o.k	0.00	o.k	1.52	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOI5	Combination	Min	-2.56	-0.21	-0.07	PAR SUPERIOR	0.0198	-	-	129.11	o.k	113.57	o.k	15.57	o.k	-	-	o.k	0.05	o.k
11	0.37	0.37	ENVOI5	Combination	Min	-2.55	-0.20	0.00	PAR SUPERIOR	0.0198	-	-	129.01	o.k	6.60	o.k	15.21	o.k	-	-	o.k	0.01	o.k
11	0.75	0.37	ENVOI5	Combination	Min	-2.55	-0.20	0.00	PAR SUPERIOR	0.0198	-	-	128.90	o.k	0.24	o.k	14.85	o.k	-	-	o.k	0.00	o.k
11	1.12	0.37	ENVOI5	Combination	Min	-2.55	-0.19	0.00	PAR SUPERIOR	0.0198	-	-	128.80	o.k	7.93	o.k	14.49	o.k	-	-	o.k	0.01	o.k
11	1.25	0.12	ENVOI5	Combination	Min	-2.55	-0.19	-0.01	PAR SUPERIOR	0.0198	-	-	128.76	o.k	11.08	o.k	14.37	o.k	-	-	o.k	0.01	o.k
11	1.25	0.00	ENVOI5	Combination	Min	-2.37	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	119.66	o.k	11.08	o.k	0.95	o.k	-	-	o.k	0.01	o.k
11	1.50	0.25	ENVOI5	Combination	Min	-2.37	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	119.59	o.k	6.23	o.k	0.80	o.k	-	-	o.k	0.01	o.k
11	1.87	0.37	ENVOI5	Combination	Min	-2.37	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	119.48	o.k	0.47	o.k	0.58	o.k	-	-	o.k	0.00	o.k
11	2.25	0.37	ENVOI5	Combination	Min	-2.36	0.00	-0.05	PAR SUPERIOR	0.0198	-	-	119.38	o.k	82.90	o.k	0.37	o.k	-	-	o.k	0.04	o.k
11	2.37	0.12	ENVOI5	Combination	Min	-2.36	0.00	-0.08	PAR SUPERIOR	0.0198	-	-	119.34	o.k	130.91	o.k	0.30	o.k	-	-	o.k	0.05	o.k
11	2.37	0.00	ENVOI5	Combination	Min	-1.98	-0.44	-0.08	PAR SUPERIOR	0.0198	-	-	99.80	o.k	130.91	o.k	33.05	o.k	-	-	o.k	0.05	o.k
11	2.50	0.13	ENVOI5	Combination	Min	-1.98	-0.43	-0.02	PAR SUPERIOR	0.0198	-	-	99.76	o.k	36.57	o.k	32.93	o.k	-	-	o.k	0.02	o.k
11	2.50	0.00	ENVOI5	Combination	Min	-1.80	-0.02	-0.02	PAR SUPERIOR	0.0198	-	-	90.66	o.k	36.57	o.k	1.71	o.k	-	-	o.k	0.02	o.k
11	2.62	0.12	ENVOI5	Combination	Min	-1.79	-0.02	-0.02	PAR SUPERIOR	0.0198	-	-	90.63	o.k	32.00	o.k	1.59	o.k	-	-	o.k	0.01	o.k
11	2.99	0.37	ENVOI5	Combination	Min	-1.79	-0.02	-0.01	PAR SUPERIOR	0.0198	-	-	90.52	o.k	20.29	o.k	1.23	o.k	-	-	o.k	0.01	o.k
11	3.37	0.37	ENVOI5	Combination	Min	-1.79	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	90.41	o.k	11.57	o.k	0.87	o.k	-	-	o.k	0.01	o.k
11	3.74	0.00	ENVOI5	Combination	Min	-1.79	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	90.31	o.k	5.84	o.k	0.51	o.k	-	-	o.k	0.00	o.k
14	0.00	0.00	ENVOI5	Combination	Max	0.01	0.00	0.00	PAR SUPERIOR	0.0198	0.318	o.k	0.00	o.k	1.52	o.k	0.35	o.k	0.00	0.00	o.k	0.00	o.k
14	0.35	0.35	ENVOI5	Combination	Max	0.01	0.00	0.00	PAR SUPERIOR	0.0198	0.258	o.k	0.00	o.k	0.42	o.k	0.15	o.k	0.00	0.00	o.k	0.00	o.k
14	0.69	0.35	ENVOI5	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.192	o.k	0.00	o.k	0.84	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
14	1.04	0.35	ENVOI5	Combination	Max	0.00	0.01	0.00	PAR SUPERIOR	0.0198	0.151	o.k	0.00	o.k	0.29	o.k	0.39	o.k	0.00	0.00	o.k	0.00	o.k
14	1.16	0.12	ENVOI5	Combination	Max	0.00	0.01	0.00	PAR SUPERIOR	0.0198	0.111	o.k	0.00	o.k	0.99	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
14	1.16	0.00	ENVOI5	Combination	Max	0.02	0.41	0.00	PAR SUPERIOR	0.0198	0.773	o.k	0.00	o.k	0.99	o.k	31.19	o.k	0.00	0.00	o.k	0.00	o.k
14	1.52	0.16	ENVOI5	Combination	Max	0.01	0.41	0.00	PAR SUPERIOR	0.0198	0.742	o.k	0.00	o.k	5.13	o.k	31.34	o.k	0.00	0.00	o.k	0.00	o.k
14	1.52	0.00	ENVOI5	Combination	Max	0.02	0.01	0.00	PAR SUPERIOR	0.0198	1.232	o.k	0.00	o.k	5.13	o.k	0.42	o.k	0.00	0.00	o.k	0.00	o.k
14	1.59	0.07	ENVOI5	Combination	Max	0.02	0.01	0.00	PAR SUPERIOR	0.0198	1.217	o.k	0.00	o.k	4.44	o.k	0.46	o.k	0.00	0.00	o.k	0.00	o.k
14	1.74	0.35	ENVOI5	Combination	Max	0.02	0.01	0.05	PAR SUPERIOR	0.0198	1.157	o.k	0.00	o.k	48.13	o.k	0.66	o.k	0.02	0.02	o.k	0.00	o.k
14	2.08	0.35	ENVOI5	Combination	Max	0.02	0.01	0.11	PAR SUPERIOR	0.0198	1.091	o.k	0.00	o.k	180.81	o.k	0.86	o.k	0.07	0.07	o.k	0.00	o.k
14	2.51	0.23	ENVOI5	Combination	Max	0.02	0.01	0.16	PAR SUPERIOR	0.0198	1.051	o.k	0.00	o.k	267.85	o.k	0.98	o.k	0.10	0.10	o.k	0.00	o.k
14	2.51	0.00	ENVOI5	Combination	Max	0.03	0.18	0.16	PAR SUPERIOR	0.0198	1.712	o.k	0.00	o.k	267.85	o.k	13.91	o.k	0.10	0.10	o.k	0.00	o.k
14	2.45	0.12	ENVOI5	Combination	Max	0.03	0.19	0.14	PAR SUPERIOR	0.0198	1.692	o.k	0.00	o.k	251.95	o.k	14.02	o.k	0.09	0.09	o.k	0.00	o.k
14	2.78	0.35	ENVOI5	Combination	Max	0.03	0.19	0.07	PAR SUPERIOR	0.0198	1.626	o.k	0.00	o.k	122.54	o.k	14.35	o.k	0.05	0.05	o.k	0.00	o.k
14	3.12	0.35	ENVOI5	Combination	Max	0.03	0.19	0.01	PAR SUPERIOR	0.0198	1.566	o.k	0.00	o.k	10.59	o.k	14.67	o.k	0.00	0.00	o.k	0.00	o.k
14	3.47	0.00	ENVOI5	Combination	Max	0.03	0.20	0.01	PAR SUPERIOR	0.0198	1.500	o.k	0.00	o.k	8.99	o.k	15.01	o.k	0.00	0.00	o.k	0.00	o.k
14	0.00	0.00	ENVOI5	Combination	Min	-1.81	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	91.40	o.k	5.84	o.k	0.64	o.k	-	-	o.k	0.00	o.k
14	0.35	0.35	ENVOI5	Combination	Min	-1.81	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.51	o.k	2.19	o.k	0.31	o.k	-	-	o.k	0.00	o.k
14	0.69	0.35	ENVOI5	Combination	Min	-1.81	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.61	o.k	1.06	o.k	0.01	o.k	-	-	o.k	0.00	o.k
14	1.04	0.35	ENVOI5	Combination	Min	-1.82	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.71	o.k	2.49	o.k	0.20	o.k	-	-	o.k	0.00	o.k
14	1.16	0.12	ENVOI5	Combination	Min	-1.82	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.75	o.k	3.52	o.k	0.27	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
34	1.16	0.00	ENVOLS	Combination	Min	-2.01	-0.02	0.00	PAR SUPERIOR	0.0198	-	-	101.57	o.k	5.52	o.k	1.77	o.k	-	-	o.k	0.00	o.k
34	1.32	0.16	ENVOLS	Combination	Min	-2.01	-0.02	-0.07	PAR SUPERIOR	0.0198	-	-	101.62	o.k	115.02	o.k	1.67	o.k	-	-	o.k	0.05	o.k
34	1.32	0.00	ENVOLS	Combination	Min	-2.34	-0.23	-0.07	PAR SUPERIOR	0.0198	-	-	118.15	o.k	115.02	o.k	17.77	o.k	-	-	o.k	0.05	o.k
34	1.39	0.07	ENVOLS	Combination	Min	-2.34	-0.23	-0.05	PAR SUPERIOR	0.0198	-	-	118.17	o.k	87.09	o.k	17.70	o.k	-	-	o.k	0.04	o.k
34	1.74	0.35	ENVOLS	Combination	Min	-2.34	-0.23	0.00	PAR SUPERIOR	0.0198	-	-	118.27	o.k	0.12	o.k	17.56	o.k	-	-	o.k	0.00	o.k
34	2.08	0.35	ENVOLS	Combination	Min	-2.34	-0.22	0.00	PAR SUPERIOR	0.0198	-	-	118.38	o.k	5.72	o.k	17.04	o.k	-	-	o.k	0.01	o.k
34	2.31	0.23	ENVOLS	Combination	Min	-2.35	-0.22	-0.01	PAR SUPERIOR	0.0198	-	-	118.45	o.k	10.45	o.k	16.82	o.k	-	-	o.k	0.01	o.k
34	2.31	0.00	ENVOLS	Combination	Min	-2.54	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	128.27	o.k	10.45	o.k	1.08	o.k	-	-	o.k	0.01	o.k
34	2.43	0.12	ENVOLS	Combination	Min	-2.54	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	128.30	o.k	7.76	o.k	1.02	o.k	-	-	o.k	0.01	o.k
34	2.78	0.35	ENVOLS	Combination	Min	-2.54	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	128.40	o.k	0.66	o.k	0.83	o.k	-	-	o.k	0.00	o.k
34	3.12	0.35	ENVOLS	Combination	Min	-2.54	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	128.51	o.k	4.93	o.k	0.62	o.k	-	-	o.k	0.01	o.k
34	3.47	0.00	ENVOLS	Combination	Min	-2.55	-0.01	-0.06	PAR SUPERIOR	0.0198	-	-	128.62	o.k	103.89	o.k	0.42	o.k	-	-	o.k	0.05	o.k

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: **12/05/2022**
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 2

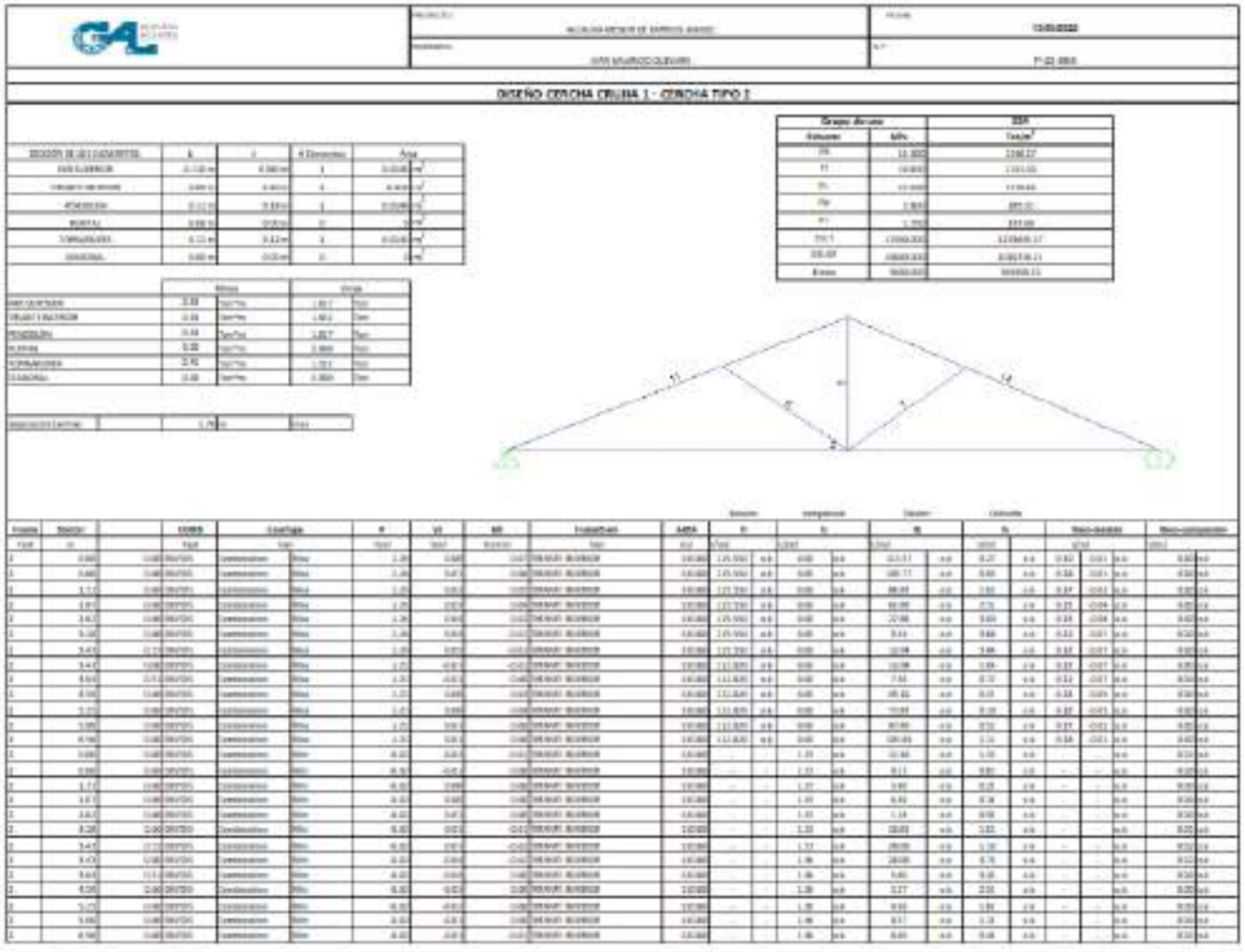
EVALUACION DE DEFORMACIONES



Luz Libre 6.56 m
Deformacion Admisible
2.19 cm CUMPLE
Deforamcion cercha
0.12 cm



Analisis Elementos Grupo ES4



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.00	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.565	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.597	o.k	0.00	o.k	1.52	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.639	o.k	0.00	o.k	2.69	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.681	o.k	0.00	o.k	3.55	o.k	0.16	o.k	0.00	0.00	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.715	o.k	0.00	o.k	4.06	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.757	o.k	0.00	o.k	4.23	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.799	o.k	0.00	o.k	4.06	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.840	o.k	0.00	o.k	3.55	o.k	0.26	o.k	0.00	0.00	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.875	o.k	0.00	o.k	2.69	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Max	0.03	0.01	0.00	TORNAPUNTA	0.0144	1.917	o.k	0.00	o.k	1.52	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Max	0.03	0.01	0.00	TORNAPUNTA	0.0144	1.958	o.k	0.00	o.k	0.00	o.k	0.67	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Min	-0.79	-0.01	0.00	TORNAPUNTA	0.0144	-	-	54.57	o.k	0.00	-	0.67	o.k	-	-	o.k	0.00	o.k
6	0.16	0.16	ENVOLS	Combination	Min	-0.78	-0.01	0.00	TORNAPUNTA	0.0144	-	-	54.51	o.k	0.91	o.k	0.53	o.k	-	-	o.k	0.00	o.k
6	0.32	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.44	o.k	1.62	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	0.47	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.38	o.k	2.12	o.k	0.26	o.k	-	-	o.k	0.00	o.k
6	0.63	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.31	o.k	2.42	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	0.79	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.24	o.k	2.53	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.95	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.17	o.k	2.42	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	1.10	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.11	o.k	2.12	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.26	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	54.04	o.k	1.62	o.k	0.24	o.k	-	-	o.k	0.00	o.k
6	1.42	0.16	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	55.97	o.k	0.91	o.k	0.32	o.k	-	-	o.k	0.00	o.k
6	1.58	0.00	ENVOLS	Combination	Min	-0.78	0.00	0.00	TORNAPUNTA	0.0144	-	-	55.91	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.625	o.k	0.00	o.k	0.00	-	0.37	o.k	0.00	0.00	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.667	o.k	0.00	o.k	1.36	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0144	1.708	o.k	0.00	o.k	2.44	o.k	0.23	o.k	0.00	0.00	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.743	o.k	0.00	o.k	3.20	o.k	0.15	o.k	0.00	0.00	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.785	o.k	0.00	o.k	3.65	o.k	0.07	o.k	0.00	0.00	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.819	o.k	0.00	o.k	3.80	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
7	0.91	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.861	o.k	0.00	o.k	3.65	o.k	0.12	o.k	0.00	0.00	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.903	o.k	0.00	o.k	3.20	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.938	o.k	0.00	o.k	2.44	o.k	0.37	o.k	0.00	0.00	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Max	0.03	0.00	0.00	TORNAPUNTA	0.0144	1.979	o.k	0.00	o.k	1.36	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Max	0.03	0.01	0.00	TORNAPUNTA	0.0144	2.021	o.k	0.00	o.k	0.00	o.k	0.62	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	-0.74	-0.01	0.00	TORNAPUNTA	0.0144	-	-	51.08	o.k	0.00	-	0.62	o.k	-	-	o.k	0.00	o.k
7	0.15	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	51.01	o.k	0.82	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.30	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.94	o.k	1.46	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	0.45	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.88	o.k	1.92	o.k	0.25	o.k	-	-	o.k	0.00	o.k
7	0.60	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.81	o.k	2.19	o.k	0.12	o.k	-	-	o.k	0.00	o.k
7	0.75	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.75	o.k	2.29	o.k	0.00	o.k	-	-	o.k	0.00	o.k
7	0.91	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.68	o.k	2.19	o.k	0.07	o.k	-	-	o.k	0.00	o.k
7	1.06	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.62	o.k	1.92	o.k	0.15	o.k	-	-	o.k	0.00	o.k
7	1.21	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.55	o.k	1.46	o.k	0.23	o.k	-	-	o.k	0.00	o.k
7	1.36	0.15	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.49	o.k	0.82	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.51	0.00	ENVOLS	Combination	Min	-0.73	0.00	0.00	TORNAPUNTA	0.0144	-	-	50.42	o.k	0.00	o.k	0.37	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	51.843	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	51.949	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	52.056	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	52.162	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Max	1.03	0.00	0.00	PENDOLON	0.0198	52.265	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.369	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	0.90	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.581	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Max	1.04	0.00	0.00	PENDOLON	0.0198	52.687	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Max	1.05	0.00	0.00	PENDOLON	0.0198	52.788	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Max	1.05	0.00	0.00	PENDOLON	0.0198	52.894	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	PENDOLON	0.0198	0.187	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.15	0.15	ENVOLS	Combination	Min	0.00	0.00	0.00	PENDOLON	0.0198	0.247	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.30	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.313	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.45	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.374	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.60	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.439	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.75	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.500	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k

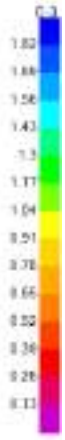
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
8	0.90	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.566	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.05	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.626	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.20	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.692	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.35	0.15	ENVOLS	Combination	Min	0.01	0.00	0.00	PENDOLON	0.0198	0.753	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.50	0.00	ENVOLS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0198	0.818	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0198	1.449	o.k	0.00	o.k	11.16	o.k	0.44	o.k	0.01	0.01	o.k	0.00	o.k
11	0.37	0.37	ENVOLS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0198	1.510	o.k	0.00	o.k	14.48	o.k	0.66	o.k	0.01	0.01	o.k	0.00	o.k
11	0.75	0.37	ENVOLS	Combination	Max	0.03	0.01	0.08	PAR SUPERIOR	0.0198	1.576	o.k	0.00	o.k	159.51	o.k	0.87	o.k	0.09	0.09	o.k	0.00	o.k
11	1.12	0.37	ENVOLS	Combination	Max	0.03	0.01	0.16	PAR SUPERIOR	0.0198	1.636	o.k	0.00	o.k	261.57	o.k	1.09	o.k	0.17	0.17	o.k	0.00	o.k
11	1.25	0.12	ENVOLS	Combination	Max	0.03	0.02	0.18	PAR SUPERIOR	0.0198	1.657	o.k	0.00	o.k	301.58	o.k	1.16	o.k	0.19	0.19	o.k	0.00	o.k
11	1.25	0.00	ENVOLS	Combination	Max	0.02	0.22	0.18	PAR SUPERIOR	0.0198	1.045	o.k	0.00	o.k	301.58	o.k	16.85	o.k	0.19	0.19	o.k	0.00	o.k
11	1.50	0.25	ENVOLS	Combination	Max	0.02	0.23	0.12	PAR SUPERIOR	0.0198	1.086	o.k	0.00	o.k	207.46	o.k	17.09	o.k	0.13	0.13	o.k	0.00	o.k
11	1.87	0.37	ENVOLS	Combination	Max	0.02	0.23	0.04	PAR SUPERIOR	0.0198	1.152	o.k	0.00	o.k	63.77	o.k	17.45	o.k	0.04	0.04	o.k	0.00	o.k
11	2.25	0.37	ENVOLS	Combination	Max	0.02	0.24	0.00	PAR SUPERIOR	0.0198	1.212	o.k	0.00	o.k	3.48	o.k	17.81	o.k	0.00	0.00	o.k	0.00	o.k
11	2.37	0.12	ENVOLS	Combination	Max	0.02	0.24	0.00	PAR SUPERIOR	0.0198	1.232	o.k	0.00	o.k	4.38	o.k	17.92	o.k	0.00	0.00	o.k	0.00	o.k
11	2.37	0.00	ENVOLS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0198	0.702	o.k	0.00	o.k	4.38	o.k	1.70	o.k	0.00	0.00	o.k	0.00	o.k
11	2.50	0.13	ENVOLS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0198	0.722	o.k	0.00	o.k	0.59	o.k	1.78	o.k	0.00	0.00	o.k	0.00	o.k
11	2.50	0.00	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.111	o.k	0.00	o.k	0.59	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
11	2.62	0.12	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.151	o.k	0.00	o.k	0.22	o.k	0.26	o.k	0.00	0.00	o.k	0.00	o.k
11	2.99	0.37	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.392	o.k	0.00	o.k	1.43	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
11	3.37	0.37	ENVOLS	Combination	Max	0.01	0.00	0.00	PAR SUPERIOR	0.0198	0.258	o.k	0.00	o.k	0.86	o.k	0.17	o.k	0.00	0.00	o.k	0.00	o.k
11	3.74	0.00	ENVOLS	Combination	Max	0.01	0.01	0.00	PAR SUPERIOR	0.0198	0.318	o.k	0.00	o.k	1.52	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-2.56	-0.21	-0.07	PAR SUPERIOR	0.0198	-	-	129.11	o.k	113.57	o.k	15.57	o.k	-	-	o.k	0.08	o.k
11	0.37	0.37	ENVOLS	Combination	Min	-2.55	-0.20	0.00	PAR SUPERIOR	0.0198	-	-	129.01	o.k	6.60	o.k	15.21	o.k	-	-	o.k	0.01	o.k
11	0.75	0.37	ENVOLS	Combination	Min	-2.55	-0.20	0.00	PAR SUPERIOR	0.0198	-	-	128.90	o.k	0.24	o.k	14.85	o.k	-	-	o.k	0.01	o.k
11	1.12	0.37	ENVOLS	Combination	Min	-2.55	-0.19	0.00	PAR SUPERIOR	0.0198	-	-	128.80	o.k	7.93	o.k	14.49	o.k	-	-	o.k	0.01	o.k
11	1.25	0.12	ENVOLS	Combination	Min	-2.55	-0.19	-0.01	PAR SUPERIOR	0.0198	-	-	128.76	o.k	11.08	o.k	14.37	o.k	-	-	o.k	0.02	o.k
11	1.25	0.00	ENVOLS	Combination	Min	-2.37	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	119.66	o.k	11.08	o.k	0.95	o.k	-	-	o.k	0.01	o.k
11	1.50	0.25	ENVOLS	Combination	Min	-2.37	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	119.59	o.k	6.23	o.k	0.80	o.k	-	-	o.k	0.01	o.k
11	1.87	0.37	ENVOLS	Combination	Min	-2.37	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	119.48	o.k	0.47	o.k	0.58	o.k	-	-	o.k	0.01	o.k
11	2.25	0.37	ENVOLS	Combination	Min	-2.36	0.00	-0.05	PAR SUPERIOR	0.0198	-	-	119.38	o.k	82.90	o.k	0.37	o.k	-	-	o.k	0.06	o.k
11	2.37	0.12	ENVOLS	Combination	Min	-2.36	0.00	-0.08	PAR SUPERIOR	0.0198	-	-	119.34	o.k	150.91	o.k	0.30	o.k	-	-	o.k	0.09	o.k
11	2.37	0.00	ENVOLS	Combination	Min	-1.98	-0.44	-0.08	PAR SUPERIOR	0.0198	-	-	99.80	o.k	150.91	o.k	33.05	o.k	-	-	o.k	0.09	o.k
11	2.50	0.13	ENVOLS	Combination	Min	-1.98	-0.43	-0.02	PAR SUPERIOR	0.0198	-	-	99.76	o.k	36.57	o.k	32.93	o.k	-	-	o.k	0.03	o.k
11	2.50	0.00	ENVOLS	Combination	Min	-1.80	-0.02	-0.02	PAR SUPERIOR	0.0198	-	-	90.66	o.k	36.57	o.k	1.71	o.k	-	-	o.k	0.03	o.k
11	2.62	0.12	ENVOLS	Combination	Min	-1.79	-0.02	-0.02	PAR SUPERIOR	0.0198	-	-	90.63	o.k	32.00	o.k	1.59	o.k	-	-	o.k	0.02	o.k
11	2.99	0.37	ENVOLS	Combination	Min	-1.79	-0.02	-0.01	PAR SUPERIOR	0.0198	-	-	90.52	o.k	20.29	o.k	1.23	o.k	-	-	o.k	0.02	o.k
11	3.37	0.37	ENVOLS	Combination	Min	-1.79	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	90.41	o.k	11.57	o.k	0.87	o.k	-	-	o.k	0.01	o.k
11	3.74	0.00	ENVOLS	Combination	Min	-1.79	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	90.31	o.k	5.84	o.k	0.51	o.k	-	-	o.k	0.01	o.k
14	0.00	0.00	ENVOLS	Combination	Max	0.01	0.00	0.00	PAR SUPERIOR	0.0198	0.318	o.k	0.00	o.k	1.52	o.k	0.35	o.k	0.00	0.00	o.k	0.00	o.k
14	0.35	0.35	ENVOLS	Combination	Max	0.01	0.00	0.00	PAR SUPERIOR	0.0198	0.258	o.k	0.00	o.k	0.42	o.k	0.15	o.k	0.00	0.00	o.k	0.00	o.k
14	0.69	0.35	ENVOLS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0198	0.192	o.k	0.00	o.k	0.84	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
14	1.04	0.35	ENVOLS	Combination	Max	0.00	0.01	0.00	PAR SUPERIOR	0.0198	0.151	o.k	0.00	o.k	0.29	o.k	0.39	o.k	0.00	0.00	o.k	0.00	o.k
14	1.16	0.12	ENVOLS	Combination	Max	0.00	0.01	0.00	PAR SUPERIOR	0.0198	0.111	o.k	0.00	o.k	0.99	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
14	1.16	0.00	ENVOLS	Combination	Max	0.02	0.41	0.00	PAR SUPERIOR	0.0198	0.773	o.k	0.00	o.k	0.99	o.k	31.19	o.k	0.00	0.00	o.k	0.00	o.k
14	1.52	0.16	ENVOLS	Combination	Max	0.01	0.41	0.00	PAR SUPERIOR	0.0198	0.742	o.k	0.00	o.k	5.13	o.k	31.34	o.k	0.00	0.00	o.k	0.00	o.k
14	1.52	0.00	ENVOLS	Combination	Max	0.02	0.01	0.00	PAR SUPERIOR	0.0198	1.232	o.k	0.00	o.k	5.13	o.k	0.42	o.k	0.00	0.00	o.k	0.00	o.k
14	1.59	0.07	ENVOLS	Combination	Max	0.02	0.01	0.00	PAR SUPERIOR	0.0198	1.217	o.k	0.00	o.k	4.44	o.k	0.46	o.k	0.00	0.00	o.k	0.00	o.k
14	1.74	0.35	ENVOLS	Combination	Max	0.02	0.01	0.03	PAR SUPERIOR	0.0198	1.157	o.k	0.00	o.k	48.13	o.k	0.66	o.k	0.03	0.03	o.k	0.00	o.k
14	2.08	0.35	ENVOLS	Combination	Max	0.02	0.01	0.11	PAR SUPERIOR	0.0198	1.091	o.k	0.00	o.k	180.81	o.k	0.86	o.k	0.12	0.12	o.k	0.00	o.k
14	2.51	0.25	ENVOLS	Combination	Max	0.02	0.01	0.16	PAR SUPERIOR	0.0198	1.051	o.k	0.00	o.k	267.85	o.k	0.98	o.k	0.17	0.17	o.k	0.00	o.k
14	2.51	0.00	ENVOLS	Combination	Max	0.03	0.18	0.16	PAR SUPERIOR	0.0198	1.712	o.k	0.00	o.k	267.85	o.k	13.91	o.k	0.17	0.17	o.k	0.00	o.k
14	2.45	0.12	ENVOLS	Combination	Max	0.03	0.19	0.14	PAR SUPERIOR	0.0198	1.692	o.k	0.00	o.k	251.95	o.k	14.02	o.k	0.15	0.15	o.k	0.00	o.k
14	2.78	0.35	ENVOLS	Combination	Max	0.03	0.19	0.07	PAR SUPERIOR	0.0198	1.626	o.k	0.00	o.k	122.54	o.k	14.35	o.k	0.08	0.08	o.k	0.00	o.k
14	3.12	0.35	ENVOLS	Combination	Max	0.03	0.19	0.01	PAR SUPERIOR	0.0198	1.566	o.k	0.00	o.k	10.59	o.k	14.67	o.k	0.01	0.01	o.k	0.00	o.k
14	3.47	0.00	ENVOLS	Combination	Max	0.03	0.20	0.01	PAR SUPERIOR	0.0198	1.500	o.k	0.00	o.k	8.99	o.k	15.01	o.k	0.01	0.00	o.k	0.00	o.k
14	0.00	0.00	ENVOLS	Combination	Min	-1.81	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	91.40	o.k	5.84	o.k	0.64	o.k	-	-	o.k	0.01	o.k
14	0.35	0.35	ENVOLS	Combination	Min	-1.81	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.51	o.k	2.19	o.k	0.31	o.k	-	-	o.k	0.01	o.k
14	0.69	0.35	ENVOLS	Combination	Min	-1.81	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.61	o.k	1.06	o.k	0.01	o.k	-	-	o.k	0.01	o.k
14	1.04	0.35	ENVOLS	Combination	Min	-1.82	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.71	o.k	2.49	o.k	0.20	o.k	-	-	o.k	0.01	o.k
14	1.16	0.12	ENVOLS	Combination	Min	-1.82	0.00	0.00	PAR SUPERIOR	0.0198	-	-	91.75	o.k	3.52	o.k	0.27	o.k	-	-	o.k	0.01	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
34	1.16	0.00	ENVOLS	Combination	Min	-2.01	-0.02	0.00	PAR SUPERIOR	0.0198	-	-	101.57	o.k	5.52	o.k	1.77	o.k	-	-	o.k	0.01	o.k
34	1.32	0.16	ENVOLS	Combination	Min	-2.01	-0.02	-0.07	PAR SUPERIOR	0.0198	-	-	101.62	o.k	115.02	o.k	1.67	o.k	-	-	o.k	0.08	o.k
34	1.32	0.00	ENVOLS	Combination	Min	-2.34	-0.23	-0.07	PAR SUPERIOR	0.0198	-	-	118.15	o.k	115.02	o.k	17.77	o.k	-	-	o.k	0.08	o.k
34	1.39	0.07	ENVOLS	Combination	Min	-2.34	-0.23	-0.05	PAR SUPERIOR	0.0198	-	-	118.17	o.k	87.09	o.k	17.70	o.k	-	-	o.k	0.06	o.k
34	1.74	0.35	ENVOLS	Combination	Min	-2.34	-0.23	0.00	PAR SUPERIOR	0.0198	-	-	118.27	o.k	0.12	o.k	17.56	o.k	-	-	o.k	0.01	o.k
34	2.08	0.35	ENVOLS	Combination	Min	-2.34	-0.22	0.00	PAR SUPERIOR	0.0198	-	-	118.38	o.k	5.72	o.k	17.04	o.k	-	-	o.k	0.01	o.k
34	2.31	0.23	ENVOLS	Combination	Min	-2.35	-0.22	-0.01	PAR SUPERIOR	0.0198	-	-	118.45	o.k	10.45	o.k	16.82	o.k	-	-	o.k	0.01	o.k
34	2.31	0.00	ENVOLS	Combination	Min	-2.54	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	128.27	o.k	10.45	o.k	1.08	o.k	-	-	o.k	0.02	o.k
34	2.43	0.12	ENVOLS	Combination	Min	-2.54	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	128.30	o.k	7.76	o.k	1.02	o.k	-	-	o.k	0.01	o.k
34	2.78	0.35	ENVOLS	Combination	Min	-2.54	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	128.40	o.k	0.66	o.k	0.83	o.k	-	-	o.k	0.01	o.k
34	3.12	0.35	ENVOLS	Combination	Min	-2.54	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	128.51	o.k	4.93	o.k	0.62	o.k	-	-	o.k	0.01	o.k
34	3.47	0.00	ENVOLS	Combination	Min	-2.55	-0.01	-0.06	PAR SUPERIOR	0.0198	-	-	128.62	o.k	103.89	o.k	0.42	o.k	-	-	o.k	0.10	o.k

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 2

EVALUACION DE DEFORMACIONES





Luz Libre 6.56 m
Deformacion Admisible
2.19 cm CUMPLE
Deforamcion cercha
0.16 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 2- CRUJIA 1

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

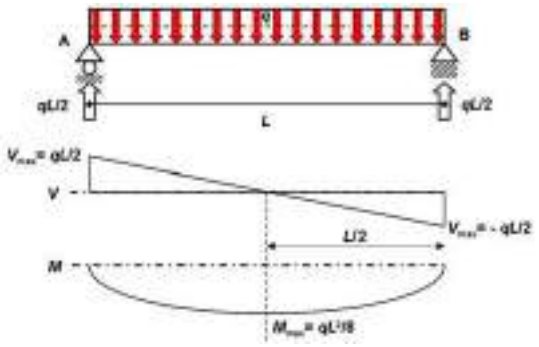
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 2.25 m L Afe= 1.50 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.8 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 75.00 Kg/m
CM= 148.10 Kg/m
W= 92.39 Kg/m



q_U =	**273.64 Kg/m**
$V_{MÀX}$=	**307.85 Kg**
$M_{MÀX}$=	**173.16 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** No Cumple Indice de Sobre esfuerzo = 1.04

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *5.77 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *2.10 cm* > δ Admisible, No Cumple
δ Admisible L/300= 0.8 cm

NOTA:

4.11.5.3 Tipo 3

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA CRUJIA 1

Corresponde al analisis de la crujia1 cerchas CH5 y C H7, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

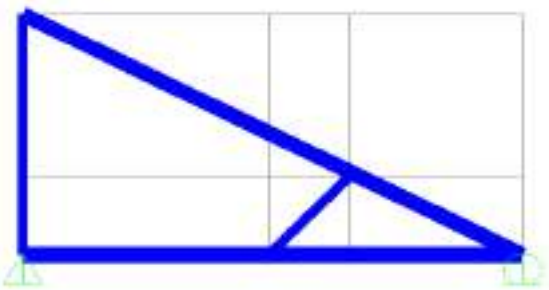
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 61.59 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.56	148.20	78.00	**78.00**	**96.09**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.90	281.58	148.20	**148.20**	**182.56**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None
COMB5	G			
COMB6	D	None	None	None
COMB6	W			

COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		

COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR 20X9	N.A.	Default
3	Rectangular	N.A.	TORN 12X12	N.A.	Default
4	Rectangular	N.A.	TORN 12X12	N.A.	Default
5	Rectangular	N.A.	PAR 18X11	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
1/2"	A615Gr60	Circle	0.0127			
PAR 18X11	M-ES2	Rectangular	0.18	0.11		
PEN 18X11	M-ES2	Rectangular	0.18	0.11		
PUNT 10X8	M-ES2	Rectangular	0.08	0.1		
TIR 20X9	M-ES2	Rectangular	0.2	0.09		
TORN 12X12	M-ES2	Rectangular	0.12	0.12		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
1/2"	0.000127	2.554E-09	1.277E-09	1.277E-09	0.	0.000114	0.000114
PAR 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PEN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PUNT 10X8	0.008	8.759E-06	4.267E-06	6.667E-06	0.	0.006667	0.006667
TIR 20X9	0.018	0.000035	0.00006	0.000012	0.	0.015	0.015
TORN 12X12	0.0144	0.000029	0.000017	0.000017	0.	0.012	0.012
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
1/2"	2.011E-07	2.011E-07	3.414E-07	3.414E-07	0.003175	0.003175	
PAR 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PEN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PUNT 10X8	0.000107	0.000133	0.00016	0.0002	0.023094	0.028868	
TIR 20X9	0.0006	0.00027	0.0009	0.000405	0.057735	0.025981	
TORN 12X12	0.000288	0.000288	0.000432	0.000432	0.034641	0.034641	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
1/2"	No	No	Red	0.	0.	No	1.
PAR 18X11	No	No	Cyan	99.71	10.17	No	1.
PEN 18X11	No	No	White	0.	0.	No	1.
PUNT 10X8	No	No	Cyan	0.	0.	No	1.
TIR 20X9	No	No	Magenta	82.15	8.38	No	1.
TORN 12X12	No	No	Blue	45.82	4.67	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
1/2"	1.	1.	1.	1.	1.	1.	1.
PAR 18X11	1.	1.	1.	1.	1.	1.	1.
PEN 18X11	1.	1.	1.	1.	1.	1.	1.
PUNT 10X8	1.	1.	1.	1.	1.	1.	1.
TIR 20X9	1.	1.	1.	1.	1.	1.	1.
TORN 12X12	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
1/2"			
PAR 18X11			
PEN 18X11			
PUNT 10X8			
TIR 20X9			
TORN 12X12			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
1/2"	Added 20/07/2017 12:06:31 a. m.
PAR 18X11	Added 01/06/2017 00:06:46
PEN 18X11	Added 01/06/2017 00:08:01
PUNT 10X8	Added 01/06/2017 00:08:43
TIR 20X9	Added 01/06/2017 00:07:12

TORN 12X12	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		3.21	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.26	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.52	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		0.99	Primary	Gray8Dark	Yes	End
GLOBAL	Z		3.04	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
2	D	GLOBAL	0.	0.	-281.58	0.	0.
2	Lr	GLOBAL	0.	0.	-148.2	0.	0.
2	G	GLOBAL	0.	0.	-148.2	0.	0.
2	W	GLOBAL	0.	0.	-182.56	0.	0.
3	D	GLOBAL	0.	0.	-281.58	0.	0.
3	Lr	GLOBAL	0.	0.	-148.2	0.	0.
3	G	GLOBAL	0.	0.	-148.2	0.	0.
3	W	GLOBAL	0.	0.	-182.56	0.	0.
6	D	GLOBAL	0.	0.	-281.58	0.	0.
6	Lr	GLOBAL	0.	0.	-148.2	0.	0.
6	G	GLOBAL	0.	0.	-148.2	0.	0.
6	W	GLOBAL	0.	0.	-182.56	0.	0.
7	D	GLOBAL	0.	0.	-281.58	0.	0.
7	Lr	GLOBAL	0.	0.	-148.2	0.	0.

7	G	GLOBAL	0.	0.	-148.2	0.	0.
7	W	GLOBAL	0.	0.	-182.56	0.	0.
8	D	GLOBAL	0.	0.	-281.58	0.	0.
8	Lr	GLOBAL	0.	0.	-148.2	0.	0.
8	G	GLOBAL	0.	0.	-148.2	0.	0.
8	W	GLOBAL	0.	0.	-182.56	0.	0.
9	D	GLOBAL	0.	0.	-281.58	0.	0.
9	Lr	GLOBAL	0.	0.	-148.2	0.	0.
9	G	GLOBAL	0.	0.	-148.2	0.	0.
9	W	GLOBAL	0.	0.	-182.56	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
2	D	0.	9dfccadb-bf6e-485d-b456-7d247ee258e6
2	Lr	0.	886cc0c6-ed83-488c-a1c5-a481b62ba8eb
2	G	0.	351de464-04ce-454b-8eb1-c13a319a2348
2	W	0.	4d3029f9-6f01-4bec-9827-4395c1669fd9
3	D	0.	0eaa54cc-18bb-4369-9381-ce9db61dc6f5
3	Lr	0.	ef00effc-5d8d-422c-a87e-b719d8b70d9d
3	G	0.	8577738f-be84-419f-b465-4d8f1c6b3b9d
3	W	0.	5cec625b-4d9d-4a8e-813a-966afd983a1e
6	D	0.	b845c5f3-67b5-4b3d-89b8-53fe29b0a5ab
6	Lr	0.	e997cbdb-ae9b-428f-bcf6-dbc7b84f476f
6	G	0.	03020b8e-b1dc-489e-9837-f045bc5eb276
6	W	0.	87df6709-b7bd-4695-948b-0261aa0a1309
7	D	0.	7a4b342e-a524-4101-82f0-f98947ddfd9f
7	Lr	0.	f5941059-f718-4d16-b195-60229415e9e0
7	G	0.	472be4aa-02a3-492c-8881-f08909eaa484
7	W	0.	e0b57081-5487-42a7-8820-bc6db3b3747d
8	D	0.	bd8fb049-a009-4db2-aa8a-dfb738a18120
8	Lr	0.	72975b17-5e81-4a0f-b4cb-4700009e5e20
8	G	0.	d1cfbba9-6127-4297-890c-87bbaeea94ce

8	W	0.	bdb6c8b7-74c2-4910-806a-a8bfa3aa023e
9	D	0.	fc6ebd9a-3b04-469b-93f6-aa3399002d11
9	Lr	0.	1eb34ecb-4f85-4d71-916b-e1a46a89f067
9	G	0.	90affe6a-f800-4e6c-855a-f3e04b5b6b93
9	W	0.	82f32561-fe1f-45e7-bbec-ec28fa3c5034

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

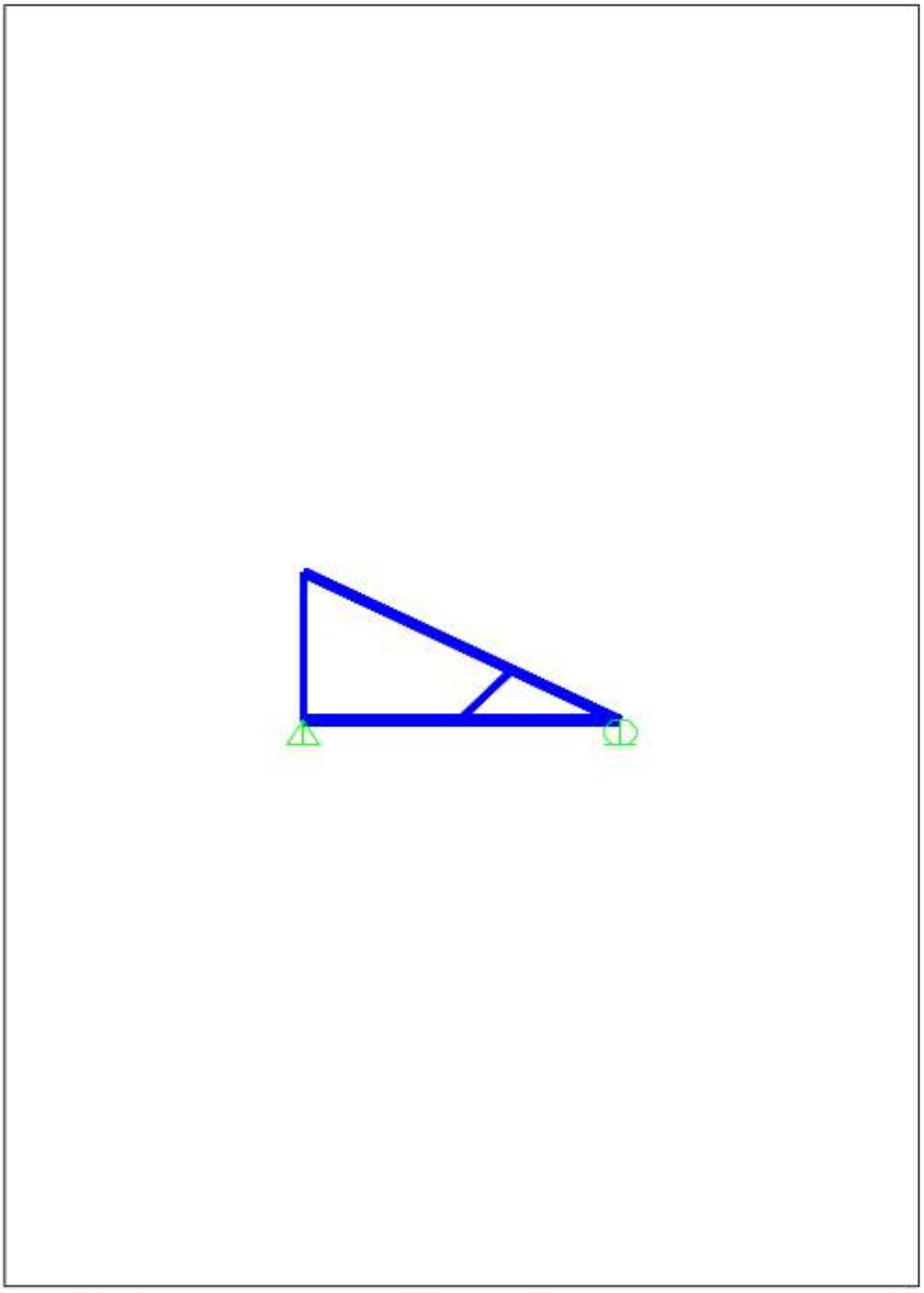
Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

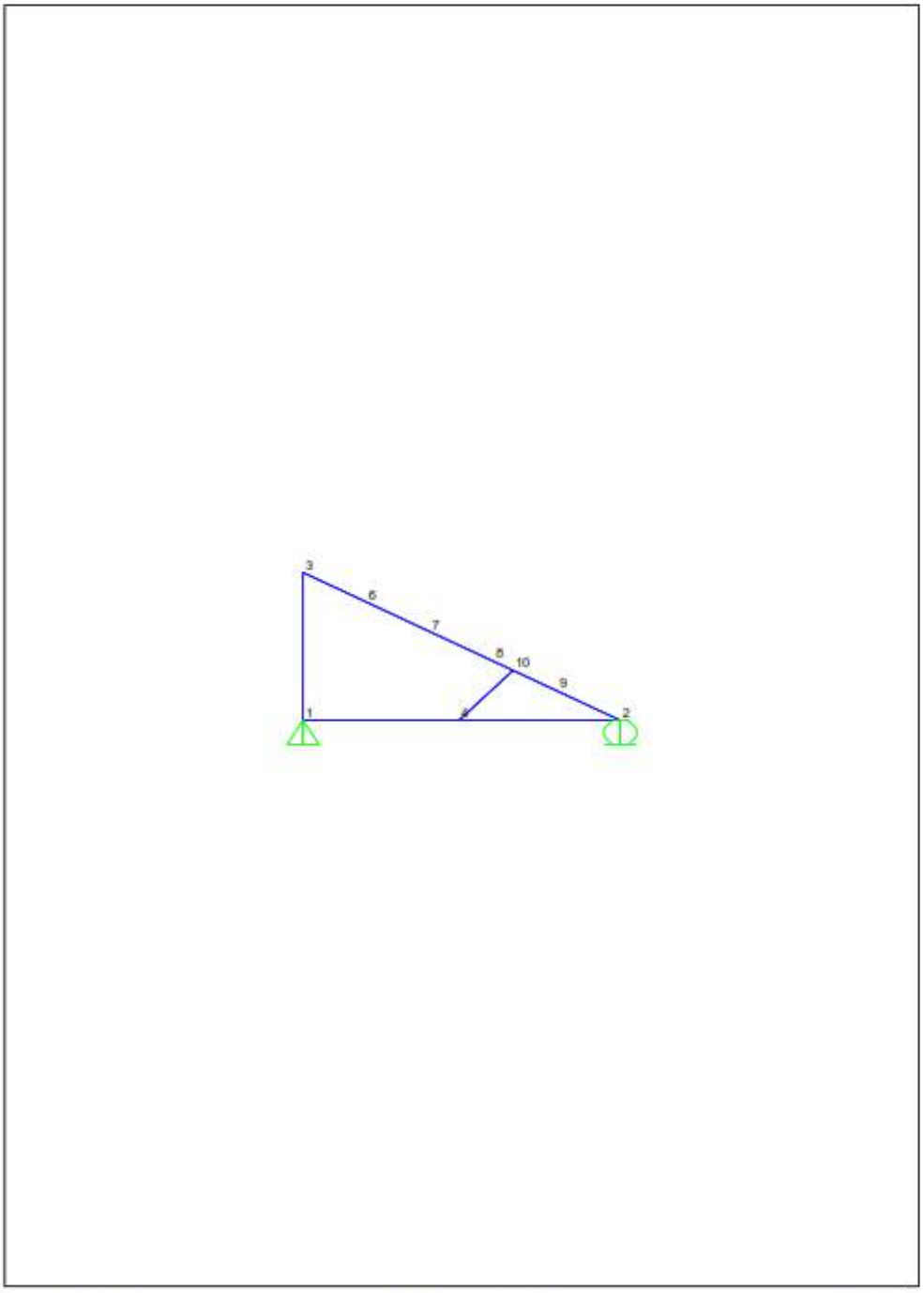
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 3.sdb



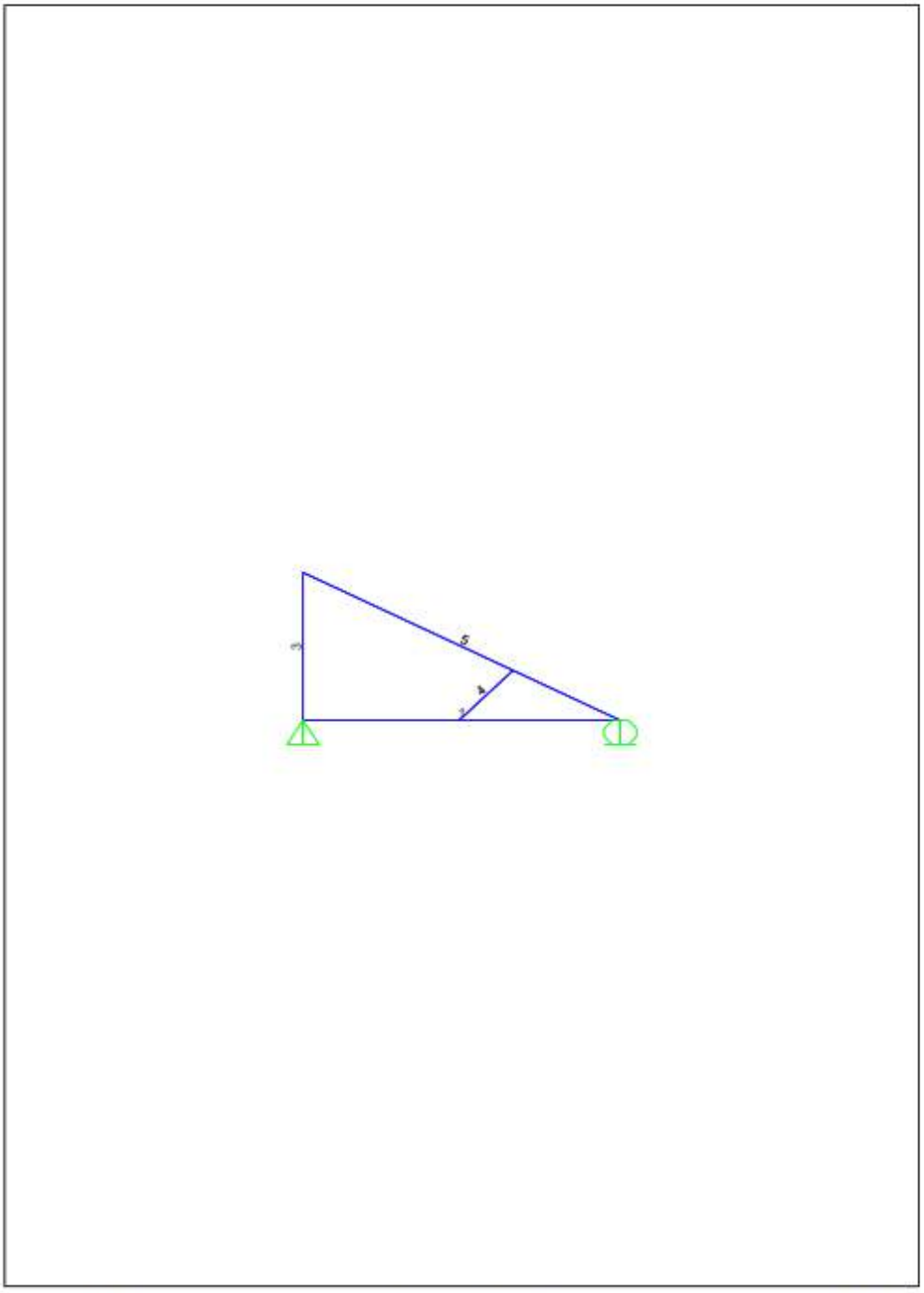
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 3.sdb



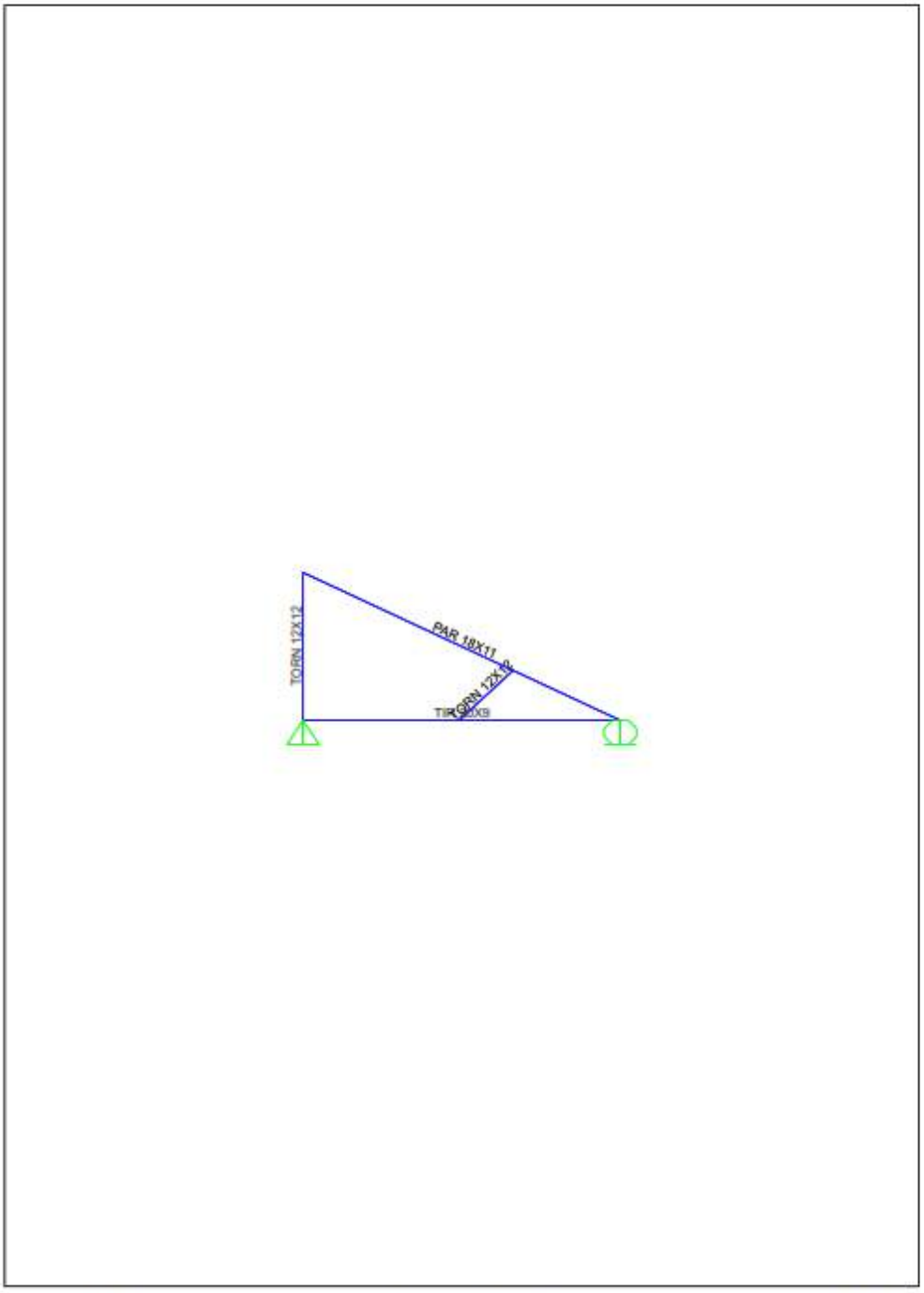
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 3.sdb



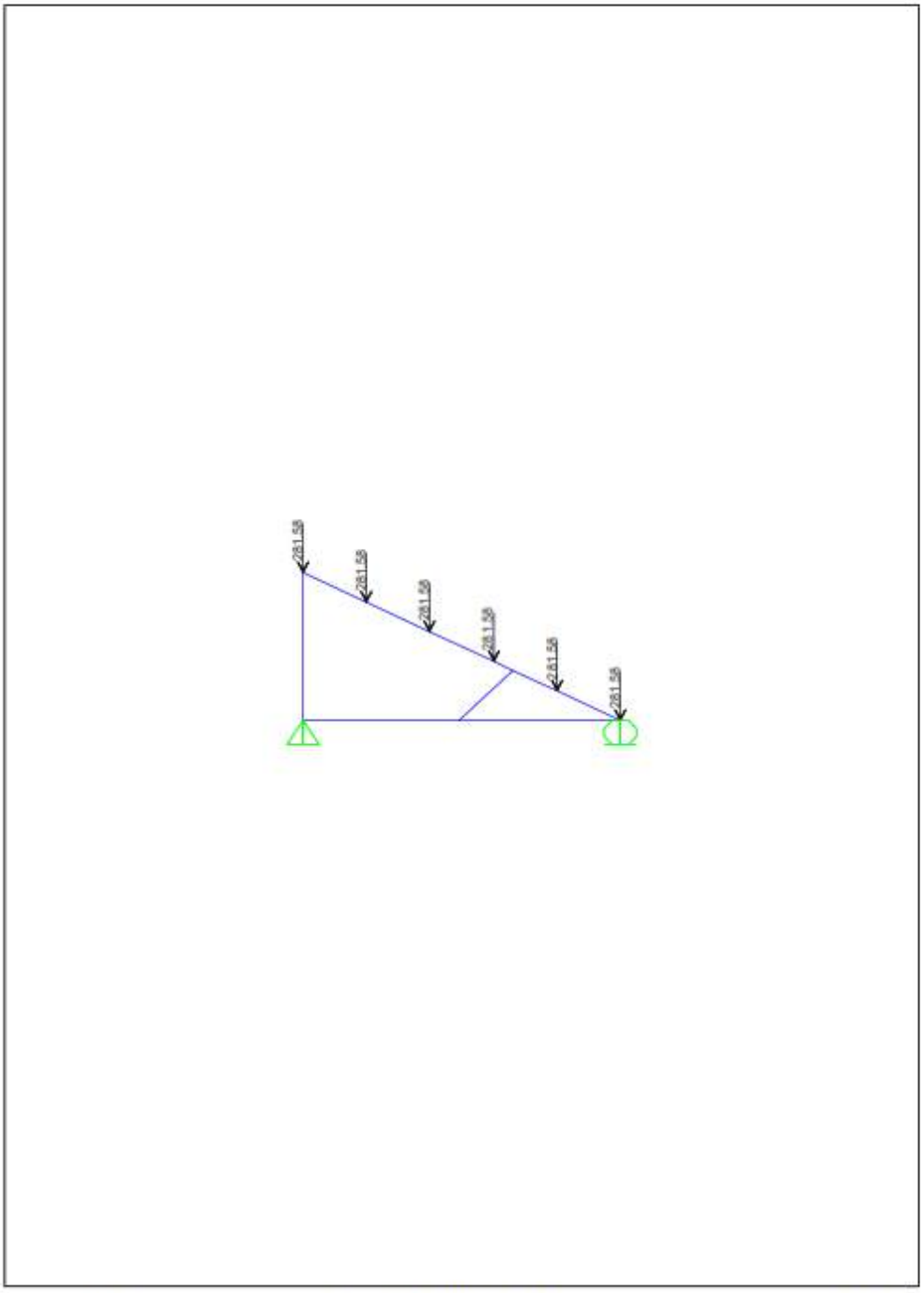
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 3.sdb



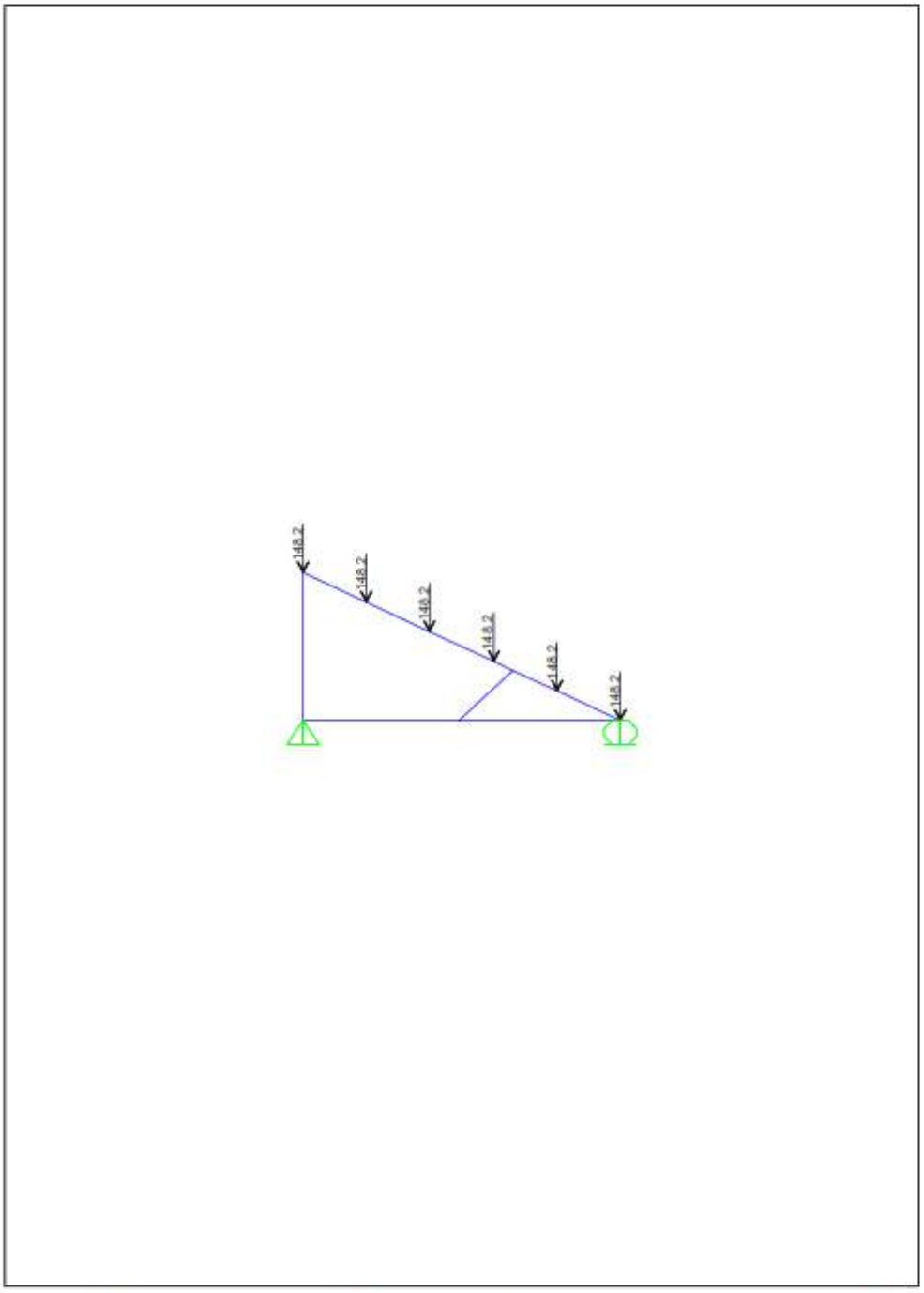
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 3.sdb



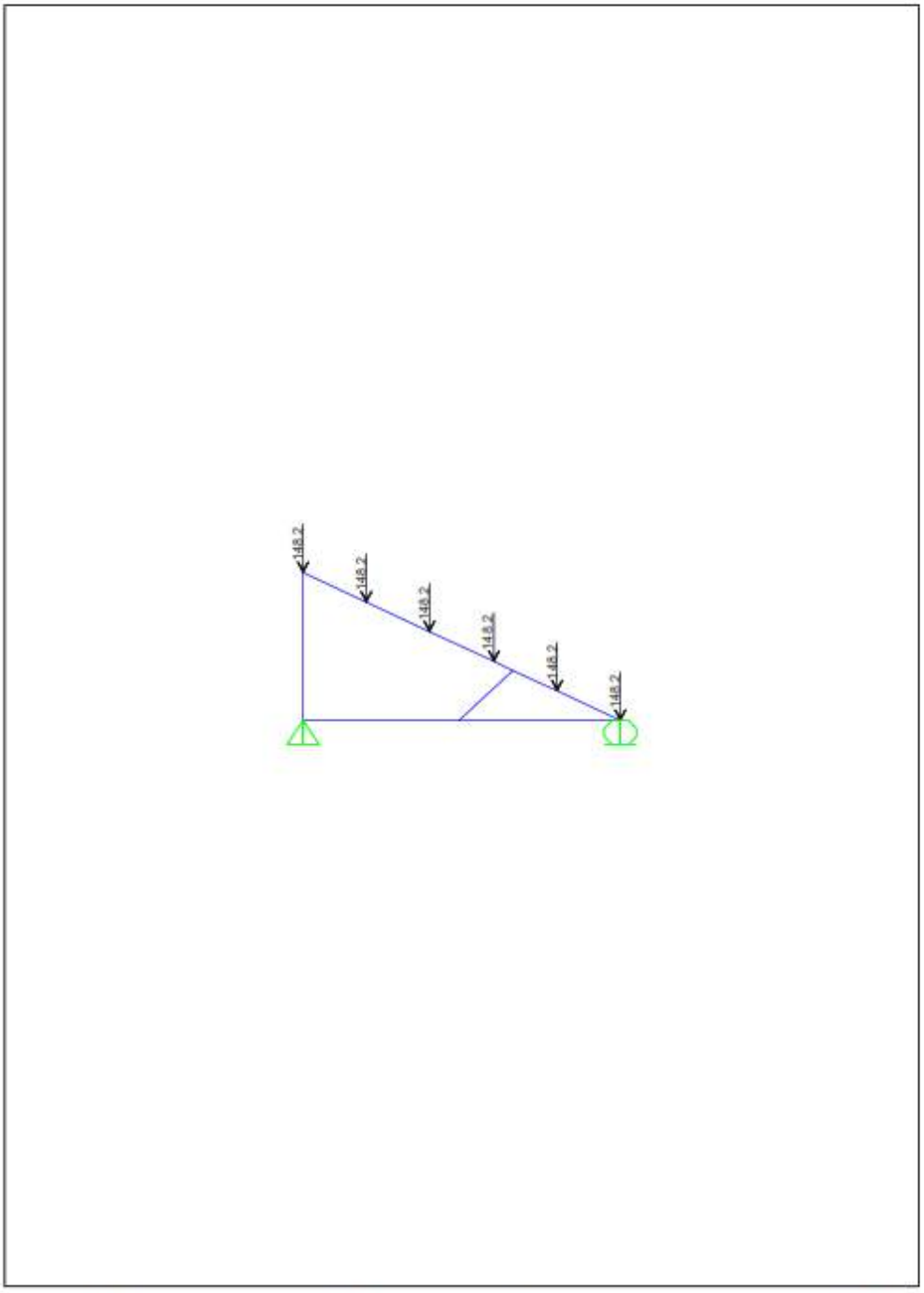
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CERCHA TIPO 3.sdb



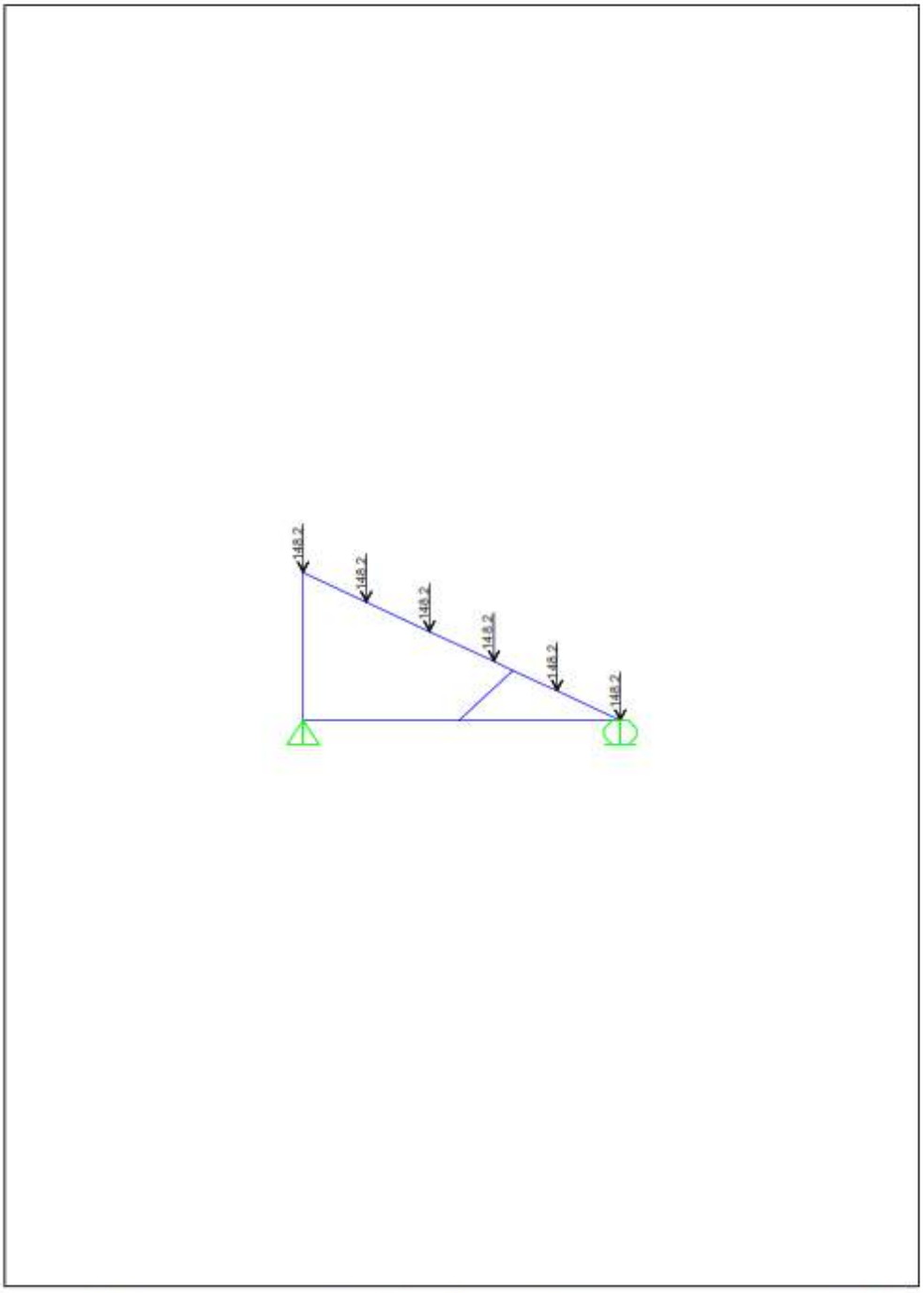
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 3.sdb



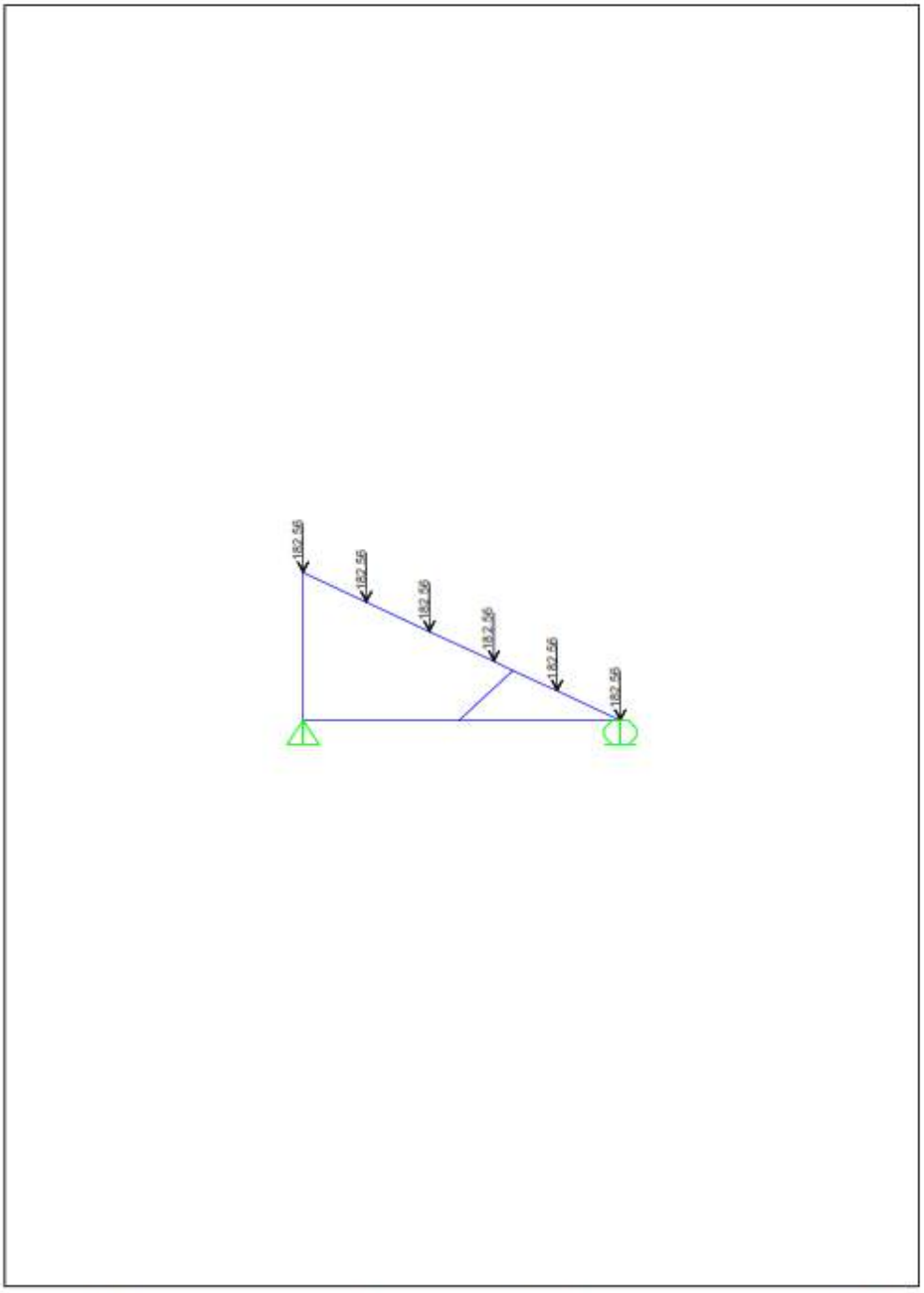
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

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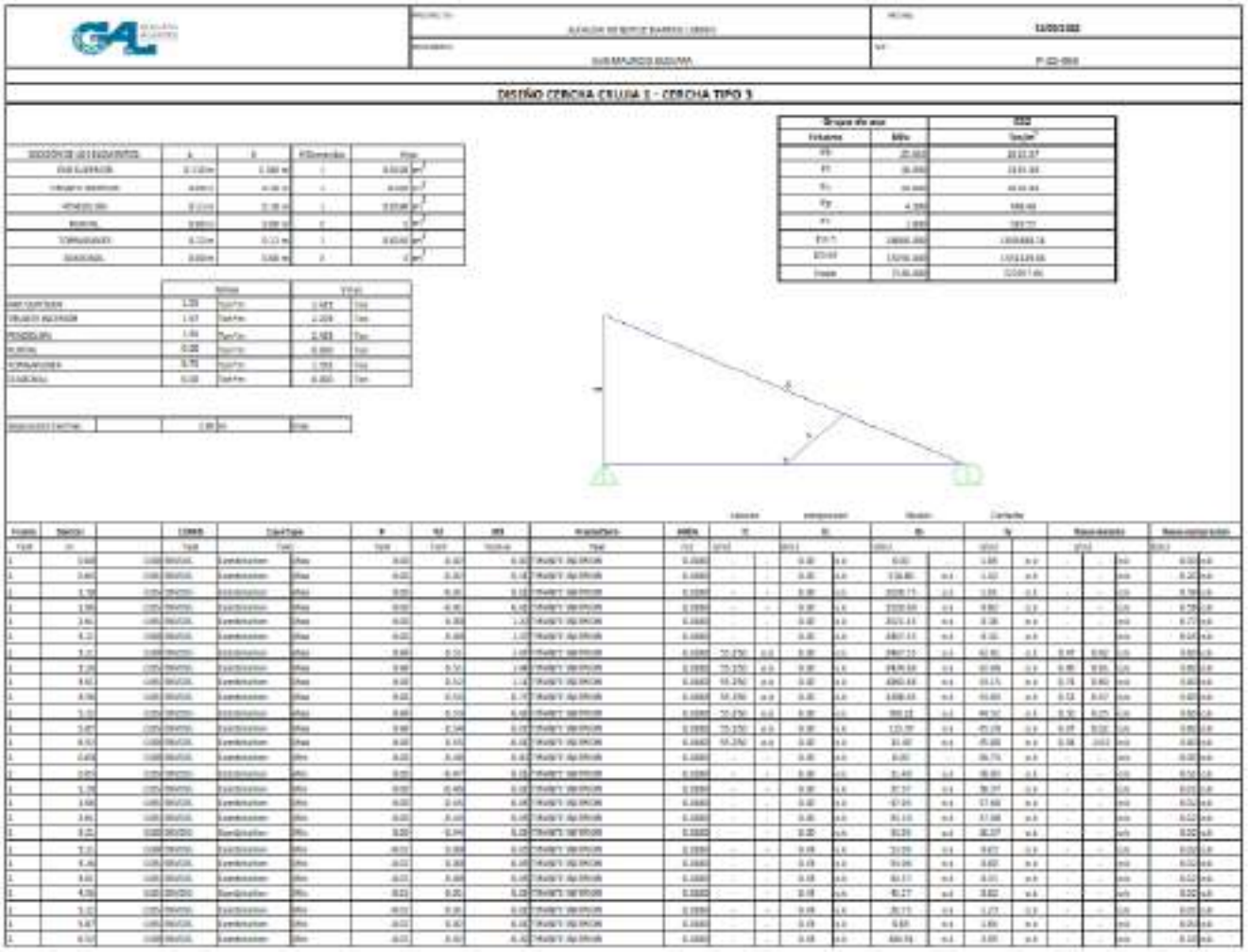
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 3.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Análisis Elementos Grupo ES2



DISEÑO CERCHA CELDA 1 - CERCHA TIPO 3

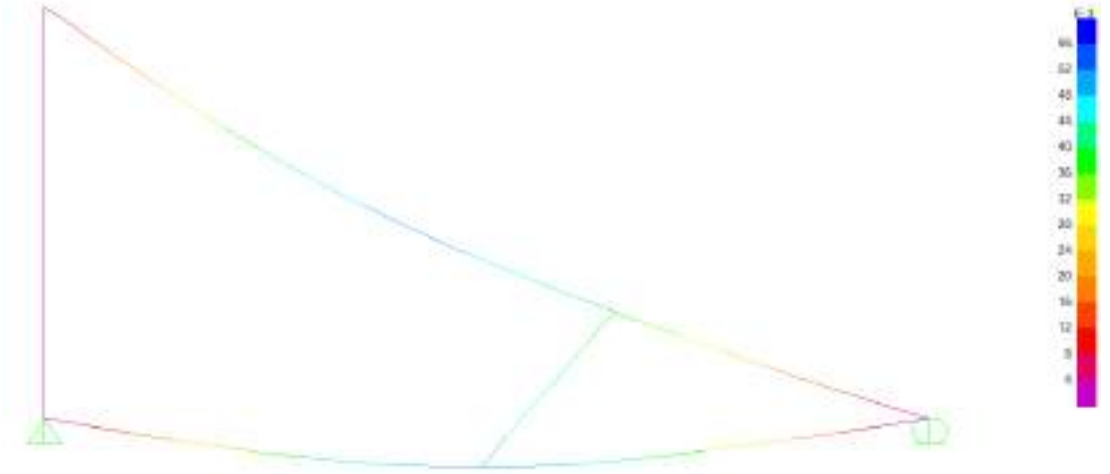
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
3	0.00	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.97	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.30	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.61	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.72	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.91	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.59	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.22	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.47	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.52	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.33	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.82	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.21	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.13	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.43	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.048	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.74	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.174	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	3.04	0.00	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.306	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	0.00	0.00	ENVOLS	Combination	Min	-1.24	0.00	0.00	TORNAPUNTA	0.0144	-	-	86.12	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.30	0.30	ENVOLS	Combination	Min	-1.24	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.91	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.61	0.30	ENVOLS	Combination	Min	-1.25	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.69	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.91	0.30	ENVOLS	Combination	Min	-1.25	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.48	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.22	0.30	ENVOLS	Combination	Min	-1.25	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.27	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.52	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.82	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.84	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.13	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.43	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.42	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.74	0.30	ENVOLS	Combination	Min	-1.21	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.20	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	3.04	0.00	ENVOLS	Combination	Min	-1.21	0.00	0.00	TORNAPUNTA	0.0144	-	-	83.99	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.00	0.00	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.521	o.k	0.00	o.k	0.00	-	0.34	o.k	0.00	0.00	o.k	0.00	o.k
4	0.15	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.563	o.k	0.00	o.k	1.26	o.k	0.27	o.k	0.00	0.00	o.k	0.00	o.k
4	0.30	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.604	o.k	0.00	o.k	2.24	o.k	0.21	o.k	0.00	0.00	o.k	0.00	o.k
4	0.45	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.646	o.k	0.00	o.k	2.93	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
4	0.60	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.694	o.k	0.00	o.k	3.35	o.k	0.07	o.k	0.00	0.00	o.k	0.00	o.k
4	0.75	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.736	o.k	0.00	o.k	3.50	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
4	0.90	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.778	o.k	0.00	o.k	3.35	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
4	1.05	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.819	o.k	0.00	o.k	2.93	o.k	0.23	o.k	0.00	0.00	o.k	0.00	o.k
4	1.20	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.868	o.k	0.00	o.k	2.24	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
4	1.35	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.910	o.k	0.00	o.k	1.26	o.k	0.46	o.k	0.00	0.00	o.k	0.00	o.k
4	1.51	0.00	ENVOLS	Combination	Max	0.01	0.01	0.00	TORNAPUNTA	0.0144	0.951	o.k	0.00	o.k	0.00	o.k	0.57	o.k	0.00	0.00	o.k	0.00	o.k
4	0.00	0.00	ENVOLS	Combination	Min	-1.37	-0.01	0.00	TORNAPUNTA	0.0144	-	-	95.28	o.k	0.00	-	0.57	o.k	-	-	o.k	0.00	o.k
4	0.15	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	95.22	o.k	0.76	o.k	0.46	o.k	-	-	o.k	0.00	o.k
4	0.30	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	95.14	o.k	1.35	o.k	0.34	o.k	-	-	o.k	0.00	o.k
4	0.45	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	95.07	o.k	1.77	o.k	0.23	o.k	-	-	o.k	0.00	o.k
4	0.60	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.99	o.k	2.02	o.k	0.11	o.k	-	-	o.k	0.00	o.k
4	0.75	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.92	o.k	2.10	o.k	0.00	o.k	-	-	o.k	0.00	o.k
4	0.90	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.85	o.k	2.02	o.k	0.07	o.k	-	-	o.k	0.00	o.k
4	1.05	0.15	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.78	o.k	1.77	o.k	0.14	o.k	-	-	o.k	0.00	o.k
4	1.20	0.15	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.71	o.k	1.35	o.k	0.21	o.k	-	-	o.k	0.00	o.k
4	1.35	0.15	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.63	o.k	0.76	o.k	0.27	o.k	-	-	o.k	0.00	o.k
4	1.51	0.00	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.56	o.k	0.00	o.k	0.34	o.k	-	-	o.k	0.00	o.k
5	0.00	0.00	ENVOLS	Combination	Max	0.29	-0.01	0.00	PAR SUPERIOR	0.0198	14.510	o.k	0.00	o.k	0.00	o.k	0.64	o.k	0.01	-0.01	o.k	0.00	o.k
5	0.72	0.72	ENVOLS	Combination	Max	0.28	0.00	0.44	PAR SUPERIOR	0.0198	14.298	o.k	0.00	o.k	740.74	o.k	0.23	o.k	0.29	0.28	o.k	0.00	o.k
5	1.44	0.72	ENVOLS	Combination	Max	0.28	0.00	0.87	PAR SUPERIOR	0.0198	14.086	o.k	0.00	o.k	1470.52	o.k	0.19	o.k	0.57	0.56	o.k	0.00	o.k
5	1.44	0.00	ENVOLS	Combination	Max	0.06	-0.01	0.87	PAR SUPERIOR	0.0198	2.778	o.k	0.00	o.k	1470.52	o.k	0.75	o.k	0.56	0.56	o.k	0.00	o.k
5	2.16	0.72	ENVOLS	Combination	Max	0.05	0.00	0.96	PAR SUPERIOR	0.0198	2.566	o.k	0.00	o.k	1608.01	o.k	0.33	o.k	0.62	0.61	o.k	0.00	o.k
5	2.88	0.72	ENVOLS	Combination	Max	0.05	0.00	1.05	PAR SUPERIOR	0.0198	2.354	o.k	0.00	o.k	1734.55	o.k	0.07	o.k	0.66	0.66	o.k	0.00	o.k
5	2.88	0.00	ENVOLS	Combination	Max	0.01	0.58	1.05	PAR SUPERIOR	0.0198	0.268	o.k	0.00	o.k	1734.55	o.k	28.80	o.k	0.66	0.66	o.k	0.00	o.k
5	3.60	0.72	ENVOLS	Combination	Max	0.00	0.59	0.75	PAR SUPERIOR	0.0198	0.141	o.k	0.00	o.k	1268.77	o.k	29.48	o.k	0.49	0.49	o.k	0.00	o.k
5	4.32	0.72	ENVOLS	Combination	Max	0.00	0.40	0.47	PAR SUPERIOR	0.0198	0.012	o.k	0.00	o.k	792.05	o.k	30.16	o.k	0.30	0.30	o.k	0.00	o.k
5	4.32	0.00	ENVOLS	Combination	Max	0.01	0.88	0.47	PAR SUPERIOR	0.0198	0.303	o.k	0.00	o.k	792.05	o.k	66.53	o.k	0.30	0.30	o.k	0.00	o.k
5	4.75	0.45	ENVOLS	Combination	Max	0.00	0.88	0.09	PAR SUPERIOR	0.0198	0.227	o.k	0.00	o.k	148.60	o.k	66.94	o.k	0.06	0.06	o.k	0.00	o.k
5	4.75	0.00	ENVOLS	Combination	Max	0.01	0.00	0.09	PAR SUPERIOR	0.0198	0.328	o.k	0.00	o.k	148.60	o.k	0.33	o.k	0.06	0.06	o.k	0.00	o.k
5	5.04	0.29	ENVOLS	Combination	Max	0.01	0.01	0.20	PAR SUPERIOR	0.0198	0.278	o.k	0.00	o.k	350.22	o.k	0.49	o.k	0.13	0.13	o.k	0.00	o.k
5	5.76	0.72	ENVOLS	Combination	Max	0.00	0.01	0.46	PAR SUPERIOR	0.0198	0.146	o.k	0.00	o.k	780.17	o.k	0.90	o.k	0.30	0.30	o.k	0.00	o.k
5	5.76	0.00	ENVOLS	Combination	Max	0.01	0.11	0.46	PAR SUPERIOR	0.0198	0.439	o.k	0.00	o.k	780.17	o.k	8.56	o.k	0.30	0.30	o.k	0.00	o.k
5	6.47	0.72	ENVOLS	Combination	Max	0.01	0.12	0.58	PAR SUPERIOR	0.0198	0.308	o.k	0.00	o.k	657.81	o.k	9.25	o.k	0.24	0.24	o.k	0.00	o.k
5	7.19	0.00	ENVOLS	Combination	Max	0.00	0.13	0.29	PAR SUPERIOR	0.0198	0.182	o.k	0.00	o.k	484.51	o.k	9.93	o.k	0.19	0.19	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
5	0.00	0.00	ENVOLS	Combination	Min	0.00	-0.62	0.00	PAR SUPERIOR	0.0198	0.197	o.k	0.00	o.k	0.00	o.k	46.67	o.k	0.00	0.00	o.k	0.00	o.k
5	0.72	0.72	ENVOLS	Combination	Min	0.00	-0.61	0.00	PAR SUPERIOR	0.0198	0.071	o.k	0.00	o.k	6.85	o.k	45.99	o.k	0.00	0.00	o.k	0.00	o.k
5	1.44	0.72	ENVOLS	Combination	Min	0.00	-0.60	0.00	PAR SUPERIOR	0.0198	-	-	0.06	o.k	7.15	o.k	45.31	o.k	-	-	o.k	0.00	o.k
5	1.44	0.00	ENVOLS	Combination	Min	0.00	-0.12	0.00	PAR SUPERIOR	0.0198	0.232	o.k	0.00	o.k	7.15	o.k	8.94	o.k	0.00	0.00	o.k	0.00	o.k
5	2.16	0.72	ENVOLS	Combination	Min	0.00	-0.11	0.01	PAR SUPERIOR	0.0198	0.106	o.k	0.00	o.k	15.82	o.k	8.26	o.k	0.01	0.01	o.k	0.00	o.k
5	2.88	0.72	ENVOLS	Combination	Min	0.00	-0.10	0.01	PAR SUPERIOR	0.0198	-	-	0.02	o.k	17.91	o.k	7.58	o.k	-	-	o.k	0.01	o.k
5	2.88	0.00	ENVOLS	Combination	Min	-0.18	-0.01	0.01	PAR SUPERIOR	0.0198	-	-	8.95	o.k	17.91	o.k	0.86	o.k	-	-	o.k	0.01	o.k
5	3.60	0.72	ENVOLS	Combination	Min	-0.18	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	9.16	o.k	28.40	o.k	0.45	o.k	-	-	o.k	0.01	o.k
5	4.32	0.72	ENVOLS	Combination	Min	-0.19	0.00	0.02	PAR SUPERIOR	0.0198	-	-	9.37	o.k	32.31	o.k	0.04	o.k	-	-	o.k	0.01	o.k
5	4.32	0.00	ENVOLS	Combination	Min	-0.41	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	20.68	o.k	32.31	o.k	0.98	o.k	-	-	o.k	0.01	o.k
5	4.75	0.43	ENVOLS	Combination	Min	-0.41	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	20.81	o.k	40.49	o.k	0.73	o.k	-	-	o.k	0.02	o.k
5	4.75	0.00	ENVOLS	Combination	Min	-0.92	-0.38	0.02	PAR SUPERIOR	0.0198	-	-	46.48	o.k	40.49	o.k	28.76	o.k	-	-	o.k	0.02	o.k
5	5.04	0.29	ENVOLS	Combination	Min	-0.92	-0.38	0.02	PAR SUPERIOR	0.0198	-	-	46.57	o.k	37.88	o.k	28.48	o.k	-	-	o.k	0.02	o.k
5	5.76	0.72	ENVOLS	Combination	Min	-0.93	-0.37	0.02	PAR SUPERIOR	0.0198	-	-	46.78	o.k	26.68	o.k	27.80	o.k	-	-	o.k	0.01	o.k
5	5.76	0.00	ENVOLS	Combination	Min	-1.15	0.00	0.02	PAR SUPERIOR	0.0198	-	-	58.08	o.k	26.68	o.k	0.03	o.k	-	-	o.k	0.01	o.k
5	6.47	0.72	ENVOLS	Combination	Min	-1.15	0.01	0.01	PAR SUPERIOR	0.0198	-	-	58.29	o.k	25.87	o.k	0.38	o.k	-	-	o.k	0.01	o.k
5	7.19	0.00	ENVOLS	Combination	Min	-1.16	0.01	0.01	PAR SUPERIOR	0.0198	-	-	58.51	o.k	14.49	o.k	0.80	o.k	-	-	o.k	0.01	o.k

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: **12/05/2022**
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 3

EVALUACION DE DEFORMACIONES

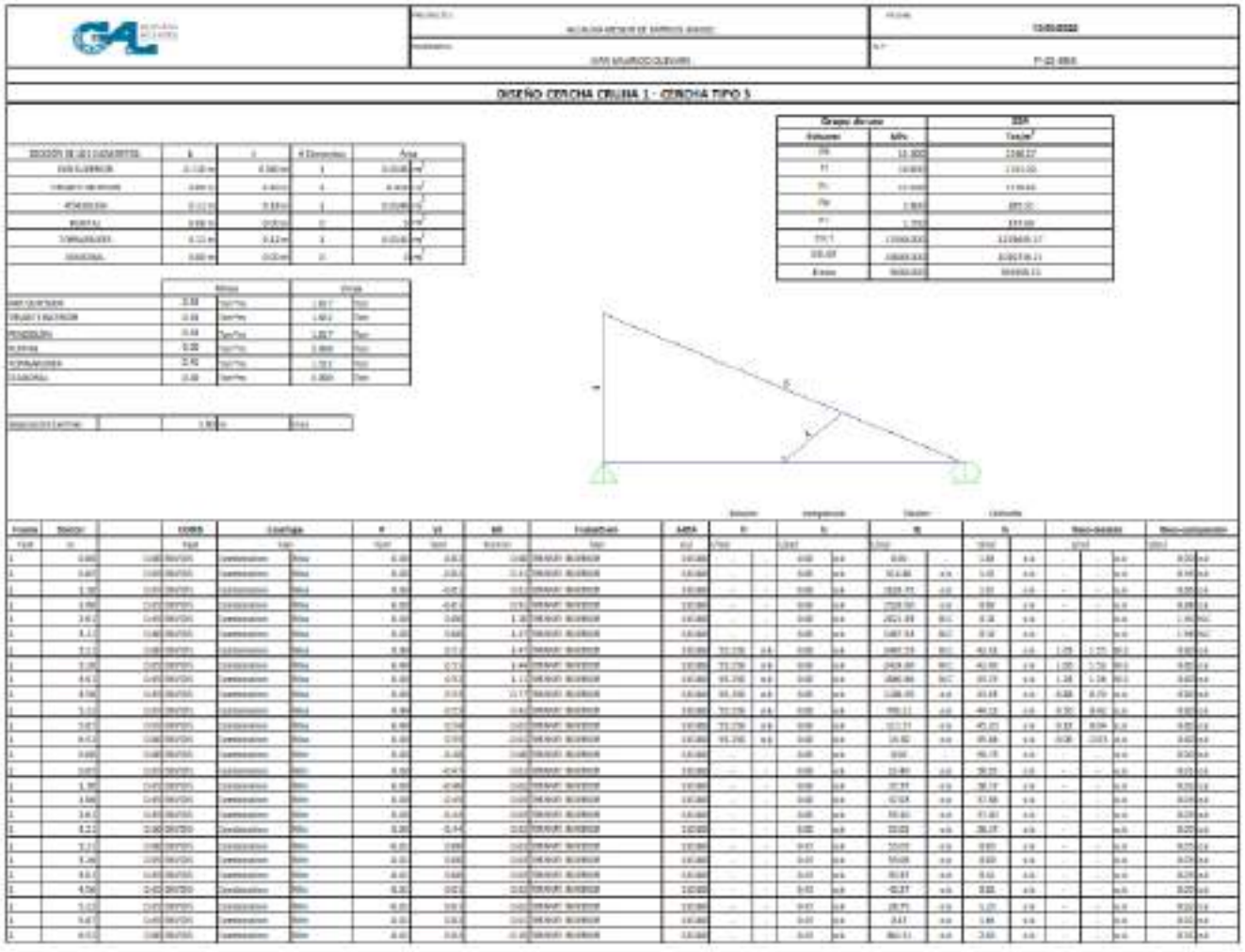




Luz Libre 6.52 m
Deformacion Admisible
2.17 cm
Deforamcion cercha
5.11 cm

NO CUMPLE

Análisis Elementos Grupo ES4

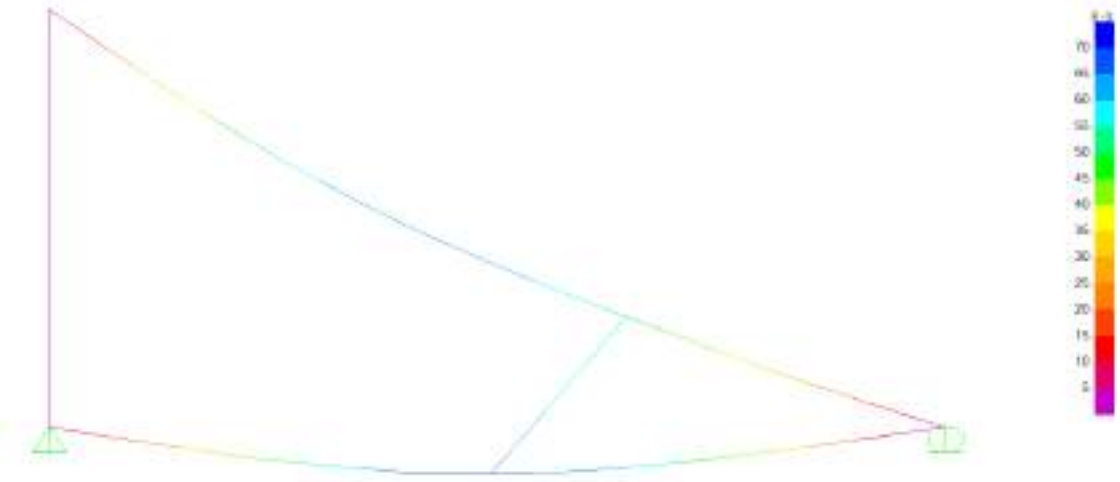


Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
3	0.00	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.97	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.30	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.61	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.72	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.91	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.59	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.22	0.30	ENVOLS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.47	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.52	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.33	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.82	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.21	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.13	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.43	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.048	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.74	0.30	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.174	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	3.04	0.00	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.306	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	0.00	0.00	ENVOLS	Combination	Min	-1.24	0.00	0.00	TORNAPUNTA	0.0144	-	-	86.12	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.30	0.30	ENVOLS	Combination	Min	-1.24	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.91	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.61	0.30	ENVOLS	Combination	Min	-1.25	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.69	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.91	0.30	ENVOLS	Combination	Min	-1.25	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.48	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.22	0.30	ENVOLS	Combination	Min	-1.25	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.27	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.52	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	85.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.82	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.84	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.13	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.43	0.30	ENVOLS	Combination	Min	-1.22	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.42	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.74	0.30	ENVOLS	Combination	Min	-1.21	0.00	0.00	TORNAPUNTA	0.0144	-	-	84.20	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	3.04	0.00	ENVOLS	Combination	Min	-1.21	0.00	0.00	TORNAPUNTA	0.0144	-	-	83.99	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.00	0.00	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.521	o.k	0.00	o.k	0.00	-	0.34	o.k	0.00	0.00	o.k	0.00	o.k
4	0.15	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.563	o.k	0.00	o.k	1.26	o.k	0.27	o.k	0.00	0.00	o.k	0.00	o.k
4	0.30	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.604	o.k	0.00	o.k	2.24	o.k	0.21	o.k	0.00	0.00	o.k	0.00	o.k
4	0.45	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.646	o.k	0.00	o.k	2.93	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
4	0.60	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.694	o.k	0.00	o.k	3.35	o.k	0.07	o.k	0.00	0.00	o.k	0.00	o.k
4	0.75	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.736	o.k	0.00	o.k	3.50	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
4	0.90	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.778	o.k	0.00	o.k	3.35	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
4	1.05	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.819	o.k	0.00	o.k	2.93	o.k	0.23	o.k	0.00	0.00	o.k	0.00	o.k
4	1.20	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.868	o.k	0.00	o.k	2.24	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
4	1.35	0.15	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.910	o.k	0.00	o.k	1.26	o.k	0.46	o.k	0.00	0.00	o.k	0.00	o.k
4	1.51	0.00	ENVOLS	Combination	Max	0.01	0.01	0.00	TORNAPUNTA	0.0144	0.951	o.k	0.00	o.k	0.00	o.k	0.57	o.k	0.00	0.00	o.k	0.00	o.k
4	0.00	0.00	ENVOLS	Combination	Min	-1.37	-0.01	0.00	TORNAPUNTA	0.0144	-	-	95.28	o.k	0.00	-	0.57	o.k	-	-	o.k	0.00	o.k
4	0.15	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	95.22	o.k	0.76	o.k	0.46	o.k	-	-	o.k	0.01	o.k
4	0.30	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	95.14	o.k	1.35	o.k	0.34	o.k	-	-	o.k	0.01	o.k
4	0.45	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	95.07	o.k	1.77	o.k	0.23	o.k	-	-	o.k	0.01	o.k
4	0.60	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.99	o.k	2.02	o.k	0.11	o.k	-	-	o.k	0.01	o.k
4	0.75	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.92	o.k	2.10	o.k	0.00	o.k	-	-	o.k	0.01	o.k
4	0.90	0.15	ENVOLS	Combination	Min	-1.37	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.85	o.k	2.02	o.k	0.07	o.k	-	-	o.k	0.01	o.k
4	1.05	0.15	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.78	o.k	1.77	o.k	0.14	o.k	-	-	o.k	0.01	o.k
4	1.20	0.15	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.71	o.k	1.35	o.k	0.21	o.k	-	-	o.k	0.01	o.k
4	1.35	0.15	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.63	o.k	0.76	o.k	0.27	o.k	-	-	o.k	0.01	o.k
4	1.51	0.00	ENVOLS	Combination	Min	-1.36	0.00	0.00	TORNAPUNTA	0.0144	-	-	94.56	o.k	0.00	o.k	0.34	o.k	-	-	o.k	0.00	o.k
5	0.00	0.00	ENVOLS	Combination	Max	0.29	-0.01	0.00	PAR SUPERIOR	0.0198	14.510	o.k	0.00	o.k	0.00	o.k	0.64	o.k	0.01	-0.01	o.k	0.00	o.k
5	0.72	0.72	ENVOLS	Combination	Max	0.28	0.00	0.44	PAR SUPERIOR	0.0198	14.298	o.k	0.00	o.k	740.74	o.k	0.23	o.k	0.49	0.47	o.k	0.00	o.k
5	1.44	0.72	ENVOLS	Combination	Max	0.28	0.00	0.87	PAR SUPERIOR	0.0198	14.086	o.k	0.00	o.k	1470.52	o.k	0.19	o.k	0.96	0.93	o.k	0.00	o.k
5	1.44	0.00	ENVOLS	Combination	Max	0.06	-0.01	0.87	PAR SUPERIOR	0.0198	2.778	o.k	0.00	o.k	1470.52	o.k	0.75	o.k	0.95	0.94	o.k	0.00	o.k
5	2.16	0.72	ENVOLS	Combination	Max	0.05	0.00	0.96	PAR SUPERIOR	0.0198	2.566	o.k	0.00	o.k	1608.01	N.C	0.33	o.k	1.03	1.03	N.C	0.00	o.k
5	2.88	0.72	ENVOLS	Combination	Max	0.05	0.00	1.05	PAR SUPERIOR	0.0198	2.354	o.k	0.00	o.k	1754.55	N.C	0.07	o.k	1.11	1.11	N.C	0.00	o.k
5	2.88	0.00	ENVOLS	Combination	Max	0.01	0.38	1.05	PAR SUPERIOR	0.0198	0.268	o.k	0.00	o.k	1754.55	N.C	28.80	o.k	1.11	1.11	N.C	0.00	o.k
5	3.60	0.72	ENVOLS	Combination	Max	0.00	0.39	0.75	PAR SUPERIOR	0.0198	0.141	o.k	0.00	o.k	1268.77	o.k	29.48	o.k	0.81	0.81	o.k	0.00	o.k
5	4.32	0.72	ENVOLS	Combination	Max	0.00	0.40	0.47	PAR SUPERIOR	0.0198	0.012	o.k	0.00	o.k	792.05	o.k	30.16	o.k	0.51	0.51	o.k	0.00	o.k
5	4.32	0.00	ENVOLS	Combination	Max	0.01	0.88	0.47	PAR SUPERIOR	0.0198	0.303	o.k	0.00	o.k	792.05	o.k	66.53	o.k	0.51	0.51	o.k	0.00	o.k
5	4.75	0.43	ENVOLS	Combination	Max	0.00	0.88	0.09	PAR SUPERIOR	0.0198	0.227	o.k	0.00	o.k	148.80	o.k	66.94	o.k	0.10	0.10	o.k	0.00	o.k
5	4.75	0.00	ENVOLS	Combination	Max	0.01	0.00	0.09	PAR SUPERIOR	0.0198	0.328	o.k	0.00	o.k	148.80	o.k	0.33	o.k	0.10	0.10	o.k	0.00	o.k
5	5.04	0.29	ENVOLS	Combination	Max	0.01	0.01	0.20	PAR SUPERIOR	0.0198	0.278	o.k	0.00	o.k	350.22	o.k	0.49	o.k	0.21	0.21	o.k	0.00	o.k
5	5.76	0.72	ENVOLS	Combination	Max	0.00	0.01	0.46	PAR SUPERIOR	0.0198	0.146	o.k	0.00	o.k	780.17	o.k	0.90	o.k	0.50	0.50	o.k	0.00	o.k
5	5.76	0.00	ENVOLS	Combination	Max	0.01	0.11	0.46	PAR SUPERIOR	0.0198	0.439	o.k	0.00	o.k	780.17	o.k	8.56	o.k	0.50	0.50	o.k	0.00	o.k
5	6.47	0.72	ENVOLS	Combination	Max	0.01	0.12	0.58	PAR SUPERIOR	0.0198	0.308	o.k	0.00	o.k	657.81	o.k	9.25	o.k	0.41	0.41	o.k	0.00	o.k
5	7.19	0.00	ENVOLS	Combination	Max	0.00	0.13	0.29	PAR SUPERIOR	0.0198	0.182	o.k	0.00	o.k	484.51	o.k	9.93	o.k	0.31	0.31	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
5	0.00	0.00	ENVOLS	Combination	Min	0.00	-0.62	0.00	PAR SUPERIOR	0.0198	0.197	o.k	0.00	o.k	0.00	o.k	46.67	o.k	0.00	0.00	o.k	0.00	o.k
5	0.72	0.72	ENVOLS	Combination	Min	0.00	-0.61	0.00	PAR SUPERIOR	0.0198	0.071	o.k	0.00	o.k	6.83	o.k	45.99	o.k	0.00	0.00	o.k	0.00	o.k
5	1.44	0.72	ENVOLS	Combination	Min	0.00	-0.60	0.00	PAR SUPERIOR	0.0198	-	-	0.06	o.k	7.15	o.k	45.31	o.k	-	-	o.k	0.00	o.k
5	1.44	0.00	ENVOLS	Combination	Min	0.00	-0.12	0.00	PAR SUPERIOR	0.0198	0.252	o.k	0.00	o.k	7.15	o.k	8.94	o.k	0.00	0.00	o.k	0.00	o.k
5	2.16	0.72	ENVOLS	Combination	Min	0.00	-0.11	0.01	PAR SUPERIOR	0.0198	0.106	o.k	0.00	o.k	15.82	o.k	8.26	o.k	0.01	0.01	o.k	0.00	o.k
5	2.88	0.72	ENVOLS	Combination	Min	0.00	-0.10	0.01	PAR SUPERIOR	0.0198	-	-	0.02	o.k	17.91	o.k	7.58	o.k	-	-	o.k	0.01	o.k
5	2.88	0.00	ENVOLS	Combination	Min	-0.18	-0.01	0.01	PAR SUPERIOR	0.0198	-	-	8.95	o.k	17.91	o.k	0.86	o.k	-	-	o.k	0.01	o.k
5	3.60	0.72	ENVOLS	Combination	Min	-0.18	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	9.16	o.k	28.40	o.k	0.45	o.k	-	-	o.k	0.02	o.k
5	4.32	0.72	ENVOLS	Combination	Min	-0.19	0.00	0.02	PAR SUPERIOR	0.0198	-	-	9.37	o.k	32.31	o.k	0.04	o.k	-	-	o.k	0.02	o.k
5	4.32	0.00	ENVOLS	Combination	Min	-0.41	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	20.68	o.k	32.31	o.k	0.98	o.k	-	-	o.k	0.02	o.k
5	4.75	0.43	ENVOLS	Combination	Min	-0.41	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	20.81	o.k	40.49	o.k	0.73	o.k	-	-	o.k	0.03	o.k
5	4.75	0.00	ENVOLS	Combination	Min	-0.92	-0.38	0.02	PAR SUPERIOR	0.0198	-	-	46.48	o.k	40.49	o.k	28.76	o.k	-	-	o.k	0.03	o.k
5	5.04	0.29	ENVOLS	Combination	Min	-0.92	-0.38	0.02	PAR SUPERIOR	0.0198	-	-	46.57	o.k	37.88	o.k	28.48	o.k	-	-	o.k	0.03	o.k
5	5.76	0.72	ENVOLS	Combination	Min	-0.93	-0.37	0.02	PAR SUPERIOR	0.0198	-	-	46.78	o.k	26.68	o.k	27.80	o.k	-	-	o.k	0.02	o.k
5	5.76	0.00	ENVOLS	Combination	Min	-1.15	0.00	0.02	PAR SUPERIOR	0.0198	-	-	58.08	o.k	26.68	o.k	0.03	o.k	-	-	o.k	0.02	o.k
5	6.47	0.72	ENVOLS	Combination	Min	-1.15	0.01	0.01	PAR SUPERIOR	0.0198	-	-	58.29	o.k	25.87	o.k	0.38	o.k	-	-	o.k	0.02	o.k
5	7.19	0.00	ENVOLS	Combination	Min	-1.16	0.01	0.01	PAR SUPERIOR	0.0198	-	-	58.51	o.k	14.49	o.k	0.80	o.k	-	-	o.k	0.02	o.k

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 3

EVALUACION DE DEFORMACIONES



Luz Libre 6.52 m
Deformacion Admisible
2.17 cm
Deforamcion cercha
6.78 cm

NO
CUMPLE



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 3- CRUJIA 1

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

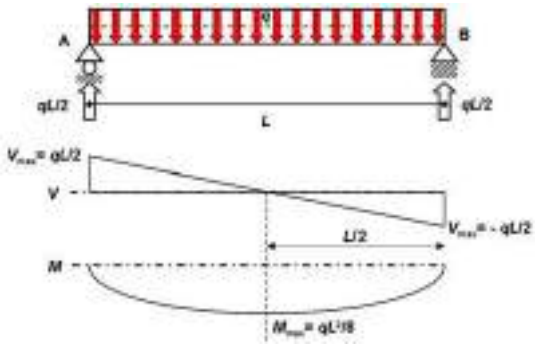
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 2.05 m L Afe= 1.56 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.7 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 78.00 Kg/m
CM= 153.80 Kg/m
W= 96.09 Kg/m



q_U =	**284.36 Kg/m**
$V_{MÀX}$=	**291.47 Kg**
$M_{MÀX}$=	**149.38 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *5.47 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *1.50 cm* > δ Admisible, No Cumple
δ Admisible L/300= 0.7 cm

NOTA:

4.11.5.4 Tipo 4

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA CRUJIA 1

Corresponde al analisis de la crujia1 cerchas CH6

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

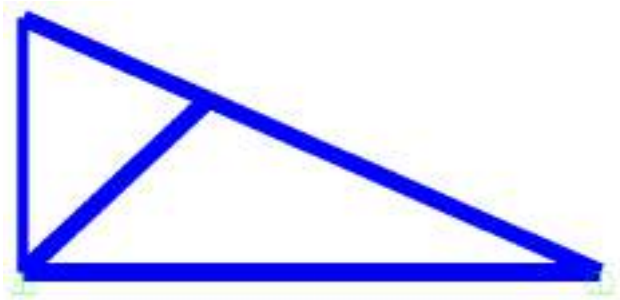
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 61.59 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.56	148.20	78.00	**78.00**	**96.09**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.86	275.65	145.08	**145.08**	**178.72**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength

COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None

COMB4	Lr			
COMB5	D	None	None	None
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	Lr		

COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		

ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR 20X9	N.A.	Default
3	Rectangular	N.A.	TORN 12X12	N.A.	Default
4	Rectangular	N.A.	TIR 20X9	N.A.	Default
5	Rectangular	N.A.	PAR 18X11	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
1/2"	A615Gr60	Circle	0.0127			
PAR 18X11	M-ES2	Rectangular	0.18	0.11		
PEN 18X11	M-ES2	Rectangular	0.18	0.11		
PUNT 10X8	M-ES2	Rectangular	0.08	0.1		
TIR 20X9	M-ES2	Rectangular	0.2	0.09		
TORN 12X12	M-ES2	Rectangular	0.12	0.12		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
1/2"	0.000127	2.554E-09	1.277E-09	1.277E-09	0.	0.000114	0.000114
PAR 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PEN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PUNT 10X8	0.008	8.759E-06	4.267E-06	6.667E-06	0.	0.006667	0.006667
TIR 20X9	0.018	0.000035	0.00006	0.000012	0.	0.015	0.015
TORN 12X12	0.0144	0.000029	0.000017	0.000017	0.	0.012	0.012
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
1/2"	2.011E-07	2.011E-07	3.414E-07	3.414E-07	0.003175	0.003175	
PAR 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PEN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PUNT 10X8	0.000107	0.000133	0.00016	0.0002	0.023094	0.028868	
TIR 20X9	0.0006	0.00027	0.0009	0.000405	0.057735	0.025981	

TORN 12X12	0.000288	0.000288	0.000432	0.000432	0.034641	0.034641	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
1/2"	No	No	Red	0.	0.	No	1.
PAR 18X11	No	No	Cyan	98.35	10.03	No	1.
PEN 18X11	No	No	White	0.	0.	No	1.
PUNT 10X8	No	No	Cyan	0.	0.	No	1.
TIR 20X9	No	No	Magenta	117.75	12.01	No	1.
TORN 12X12	No	No	Blue	28.22	2.88	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
1/2"	1.	1.	1.	1.	1.	1.	1.
PAR 18X11	1.	1.	1.	1.	1.	1.	1.
PEN 18X11	1.	1.	1.	1.	1.	1.	1.
PUNT 10X8	1.	1.	1.	1.	1.	1.	1.
TIR 20X9	1.	1.	1.	1.	1.	1.	1.
TORN 12X12	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
1/2"			
PAR 18X11			
PEN 18X11			
PUNT 10X8			
TIR 20X9			
TORN 12X12			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
1/2"	Added 20/07/2017 12:06:31 a. m.

PAR 18X11	Added 01/06/2017 00:06:46
PEN 18X11	Added 01/06/2017 00:08:01
PUNT 10X8	Added 01/06/2017 00:08:43
TIR 20X9	Added 01/06/2017 00:07:12
TORN 12X12	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		2.04	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.52	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.86	Primary	Gray8Dark	Yes	End
GLOBAL	Z		2.8	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
2	D	GLOBAL	0.	0.	-275.65	0.	0.
2	Lr	GLOBAL	0.	0.	-145.08	0.	0.
2	G	GLOBAL	0.	0.	-145.08	0.	0.
2	W	GLOBAL	0.	0.	-178.72	0.	0.
3	D	GLOBAL	0.	0.	-275.65	0.	0.
3	Lr	GLOBAL	0.	0.	-145.08	0.	0.
3	G	GLOBAL	0.	0.	-145.08	0.	0.
3	W	GLOBAL	0.	0.	-178.72	0.	0.
6	D	GLOBAL	0.	0.	-275.65	0.	0.
6	Lr	GLOBAL	0.	0.	-145.08	0.	0.
6	G	GLOBAL	0.	0.	-145.08	0.	0.
6	W	GLOBAL	0.	0.	-178.72	0.	0.

7	D	GLOBAL	0.	0.	-275.65	0.	0.
7	Lr	GLOBAL	0.	0.	-145.08	0.	0.
7	G	GLOBAL	0.	0.	-145.08	0.	0.
7	W	GLOBAL	0.	0.	-178.72	0.	0.
8	D	GLOBAL	0.	0.	-275.65	0.	0.
8	Lr	GLOBAL	0.	0.	-145.08	0.	0.
8	G	GLOBAL	0.	0.	-145.08	0.	0.
8	W	GLOBAL	0.	0.	-178.72	0.	0.
9	D	GLOBAL	0.	0.	-275.65	0.	0.
9	Lr	GLOBAL	0.	0.	-145.08	0.	0.
9	G	GLOBAL	0.	0.	-145.08	0.	0.
9	W	GLOBAL	0.	0.	-178.72	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
2	D	0.	f73f438d-3966-4601-947d-bcc5aa89a7d1
2	Lr	0.	762a9711-9963-46c7-9da7-b5d910021517
2	G	0.	11fe538c-8cfe-4b4e-8a88-bf95d58ea55e
2	W	0.	a9c77068-579d-4acc-b86d-14aee4197c71
3	D	0.	4abad6a6-a3a6-4664-a52b-32dc453e8c90
3	Lr	0.	2b31d848-a66e-4e3d-98fc-57e1abdac05a
3	G	0.	b0e663a4-c3ae-4c36-b76a-b934416f4596
3	W	0.	c98c7684-8161-48d1-b055-a5b3be94e73b
6	D	0.	605e9204-7159-45a5-804f-767b5cfb9290
6	Lr	0.	e33079eb-d754-46d2-88af-14894a021d10
6	G	0.	cef0e383-8724-4fcf-873d-85b824e65da2
6	W	0.	d4185ce2-6f8f-4c40-987a-918e325826a6
7	D	0.	a466cf34-9ae4-42a9-9138-1ad1bd0a4c71
7	Lr	0.	fec5a540-a941-45af-bec9-1312c8c4c900
7	G	0.	6b2934bf-6968-4feb-af8b-5386049c938d
7	W	0.	eb6c99b4-041d-4dc3-aa3b-dd06bdc85aff
8	D	0.	22261328-658a-474c-9dc2-1cbdbe34c306
8	Lr	0.	d10454ed-f751-432c-8256-32bf144ace51

8	G	0.	d7db78c7-283f-42ae-b50a-040f91f6aa09
8	W	0.	ed2df296-a13a-4723-8995-302cb26033bf
9	D	0.	1537b150-342d-4e08-a84b-1af828ecb6de
9	Lr	0.	64432d91-f52d-43e1-8bb2-50e0fafa9f39
9	G	0.	ea22f999-2c57-4076-855e-eb9ca1ea08e6
9	W	0.	7d7de156-85d5-4f12-ab3f-c2fdb2338c0a

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	

PP	

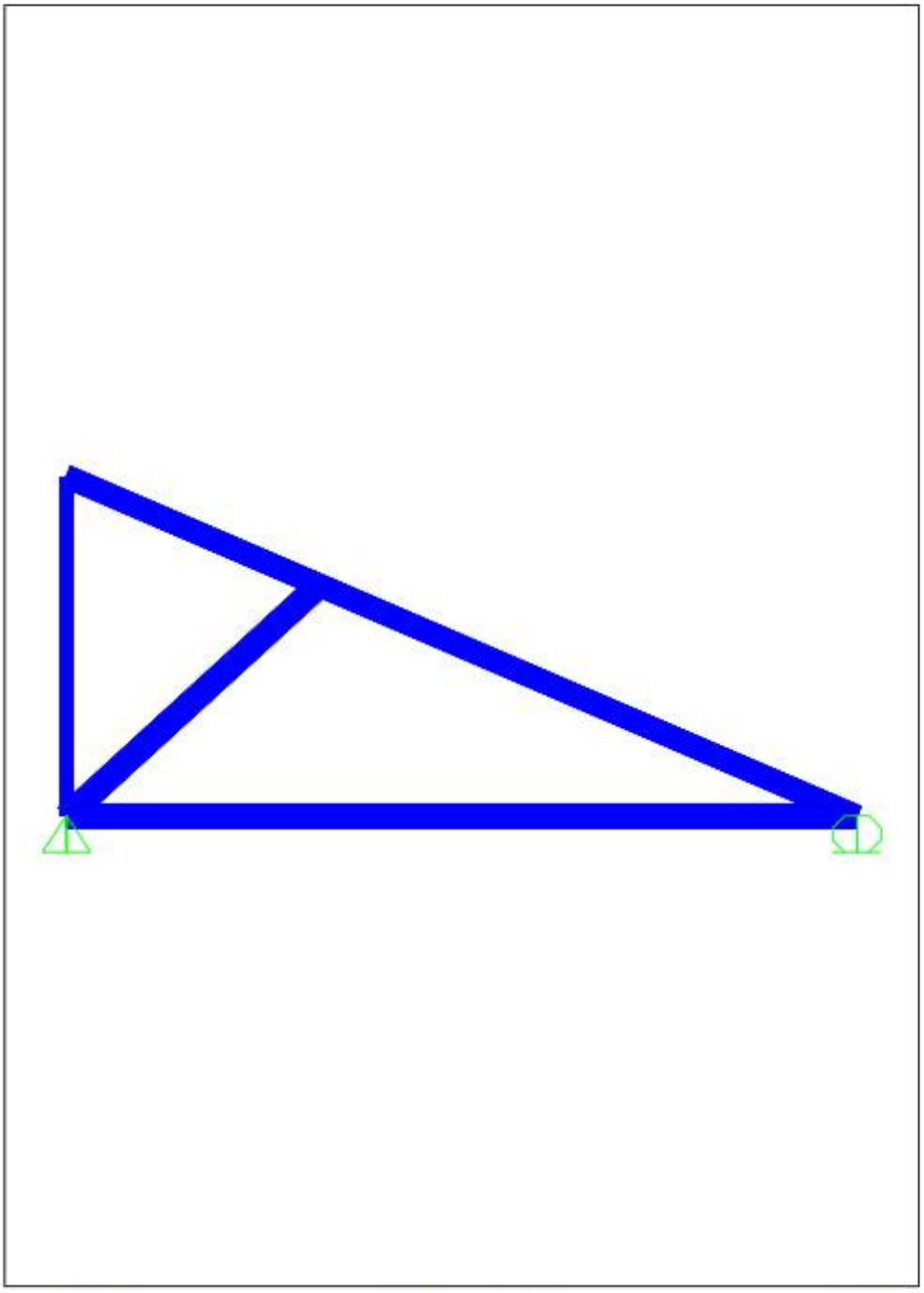
Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

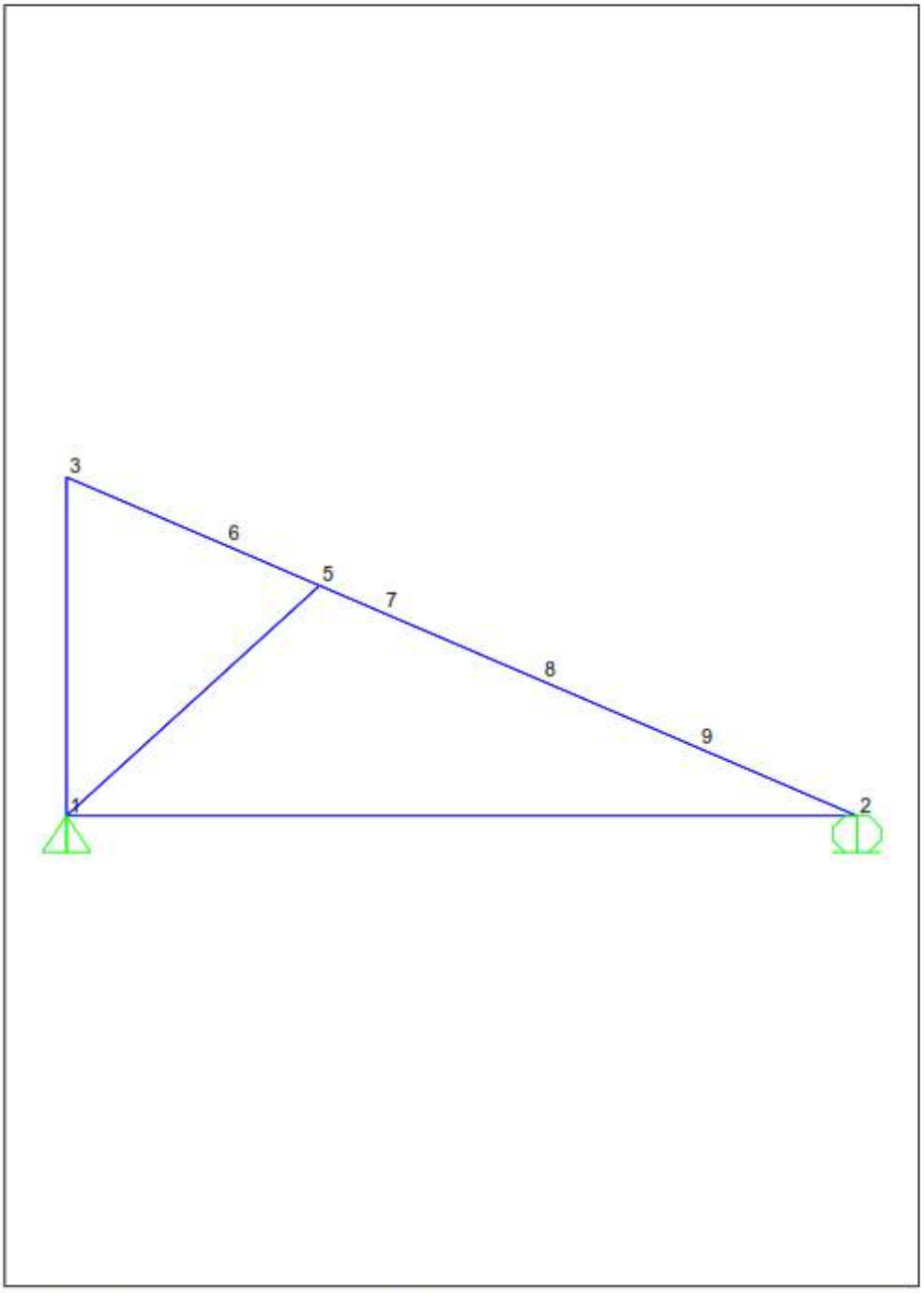
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 4.sdb



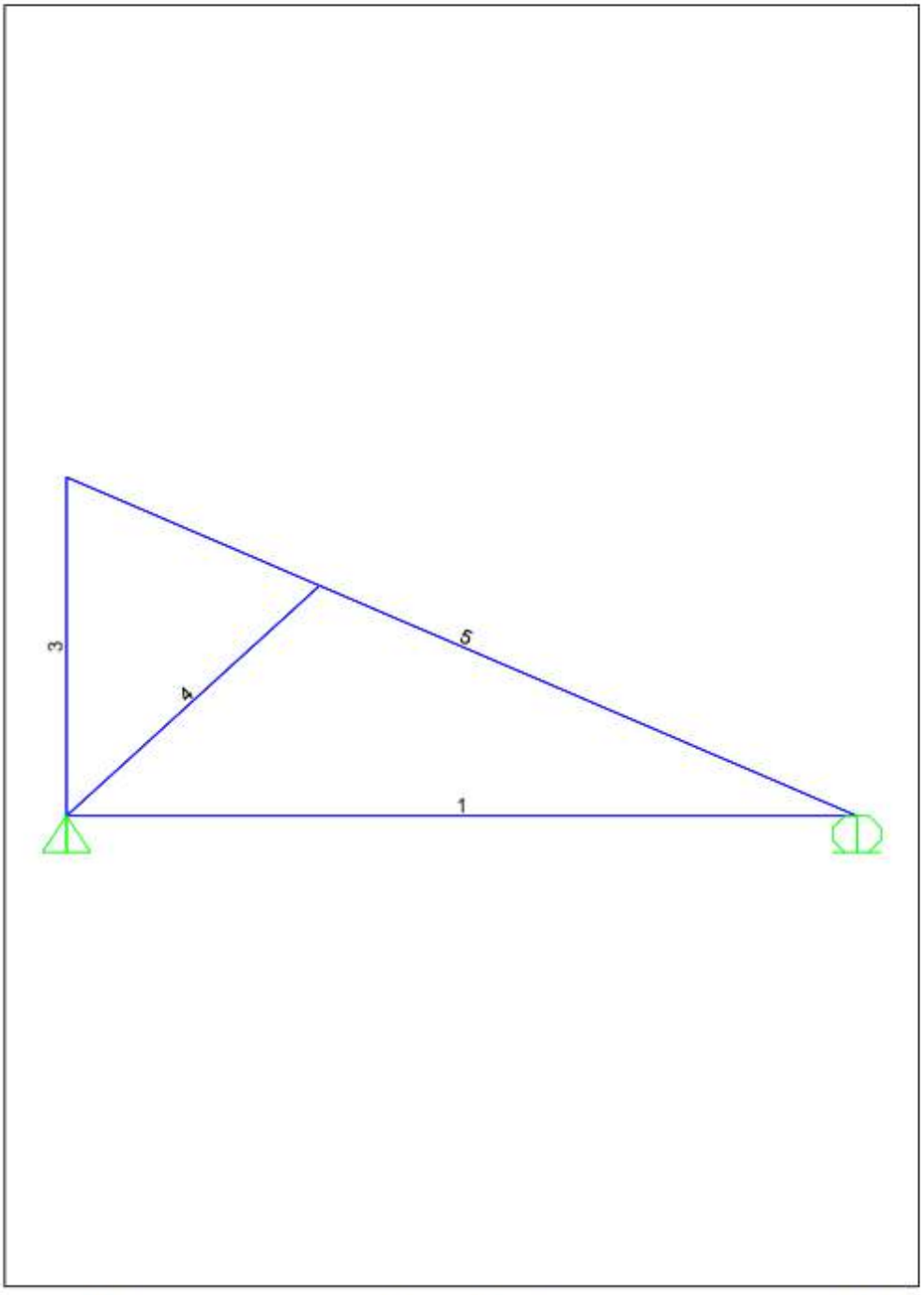
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 4.sdb



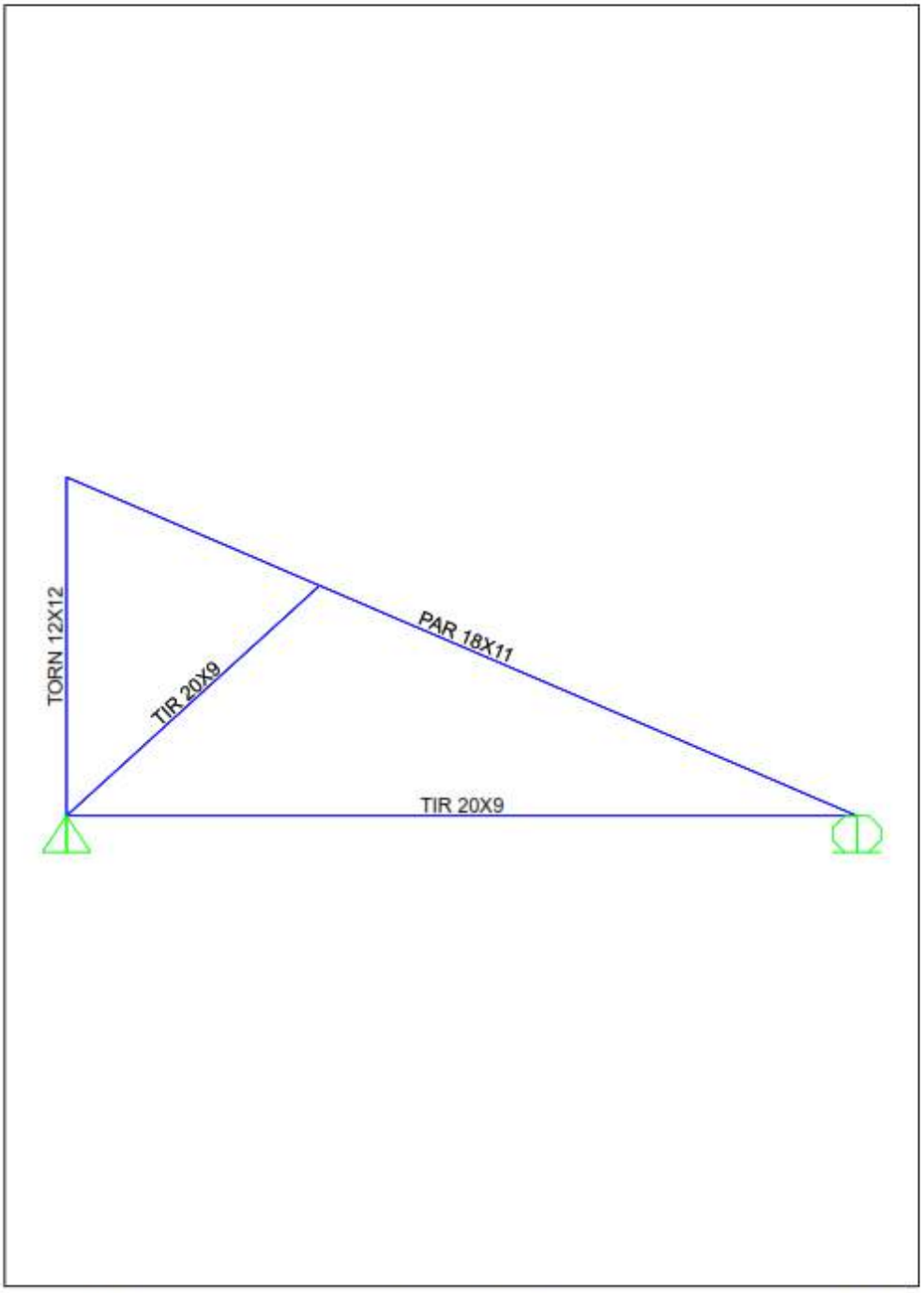
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 4.sdb



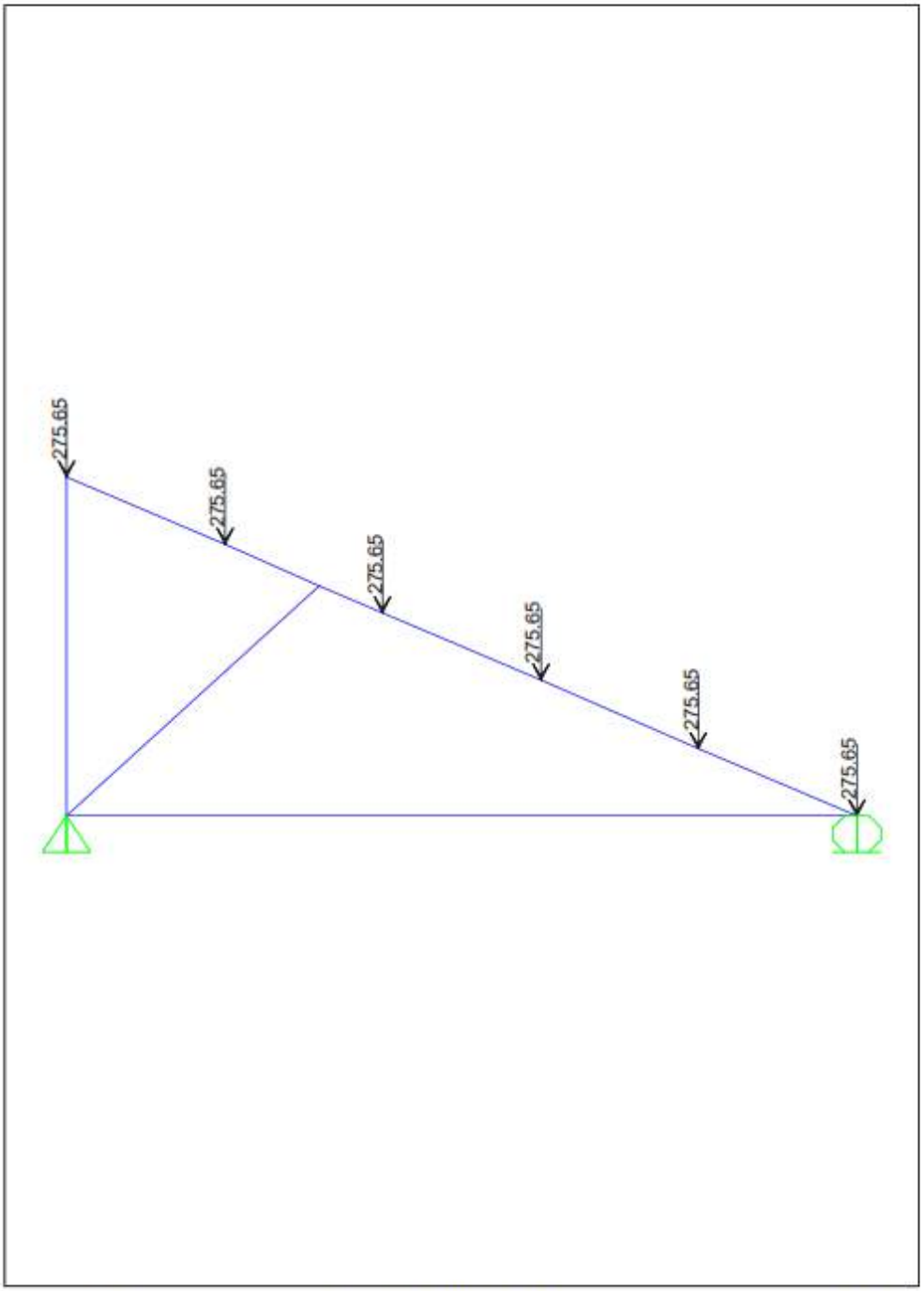
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 4.sdb



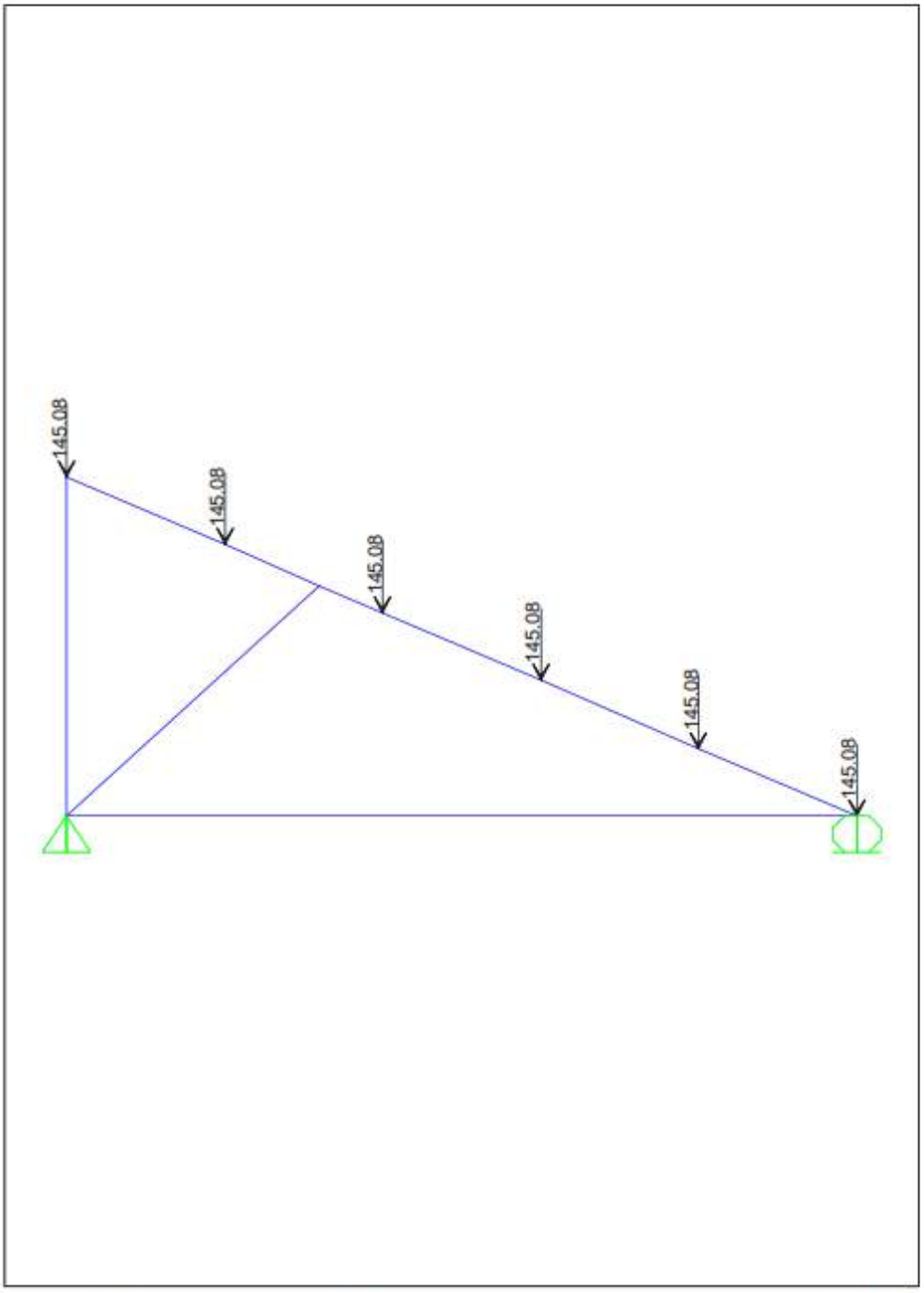
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CERCHA TIPO 4.sdb



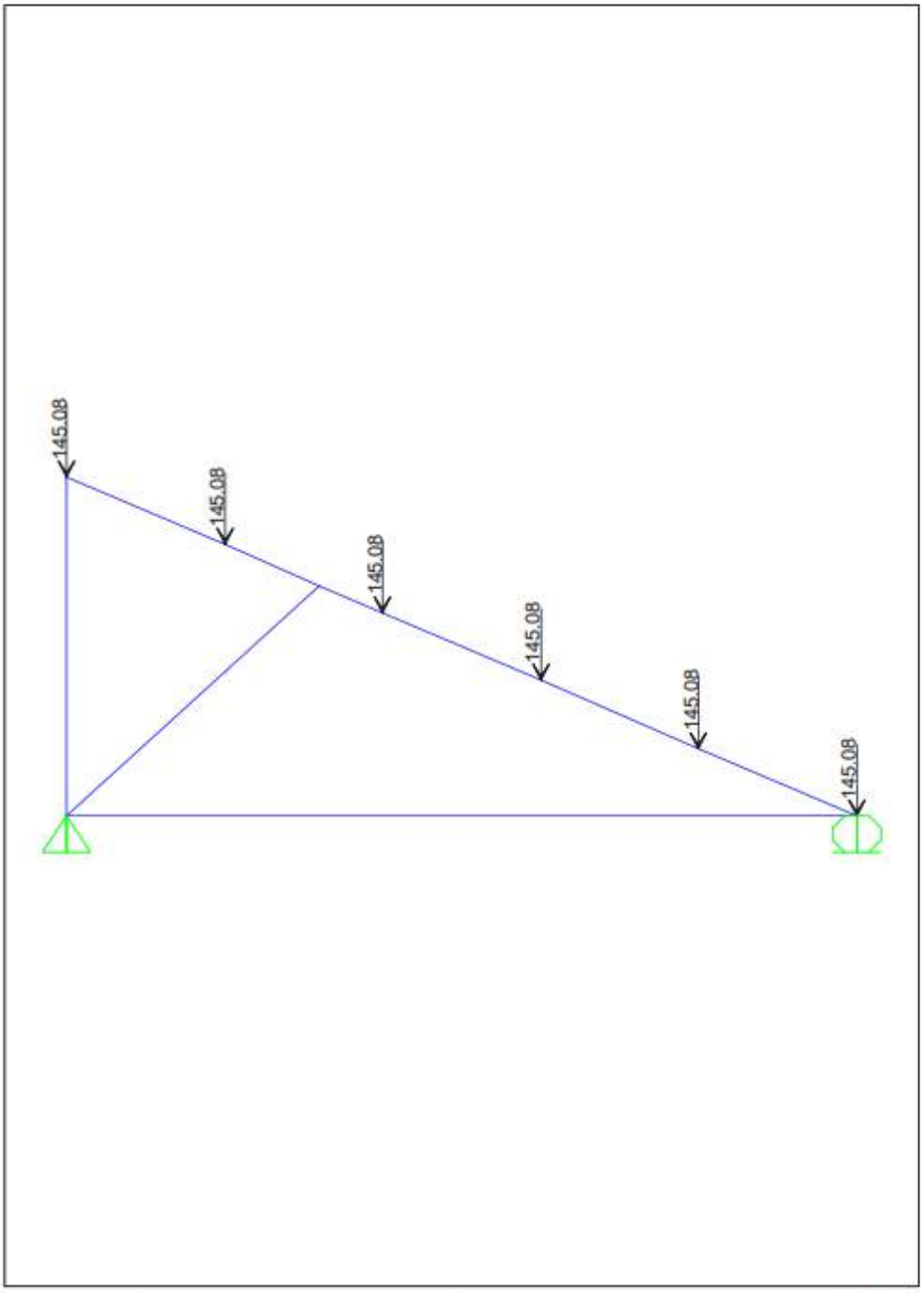
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 4.sdb



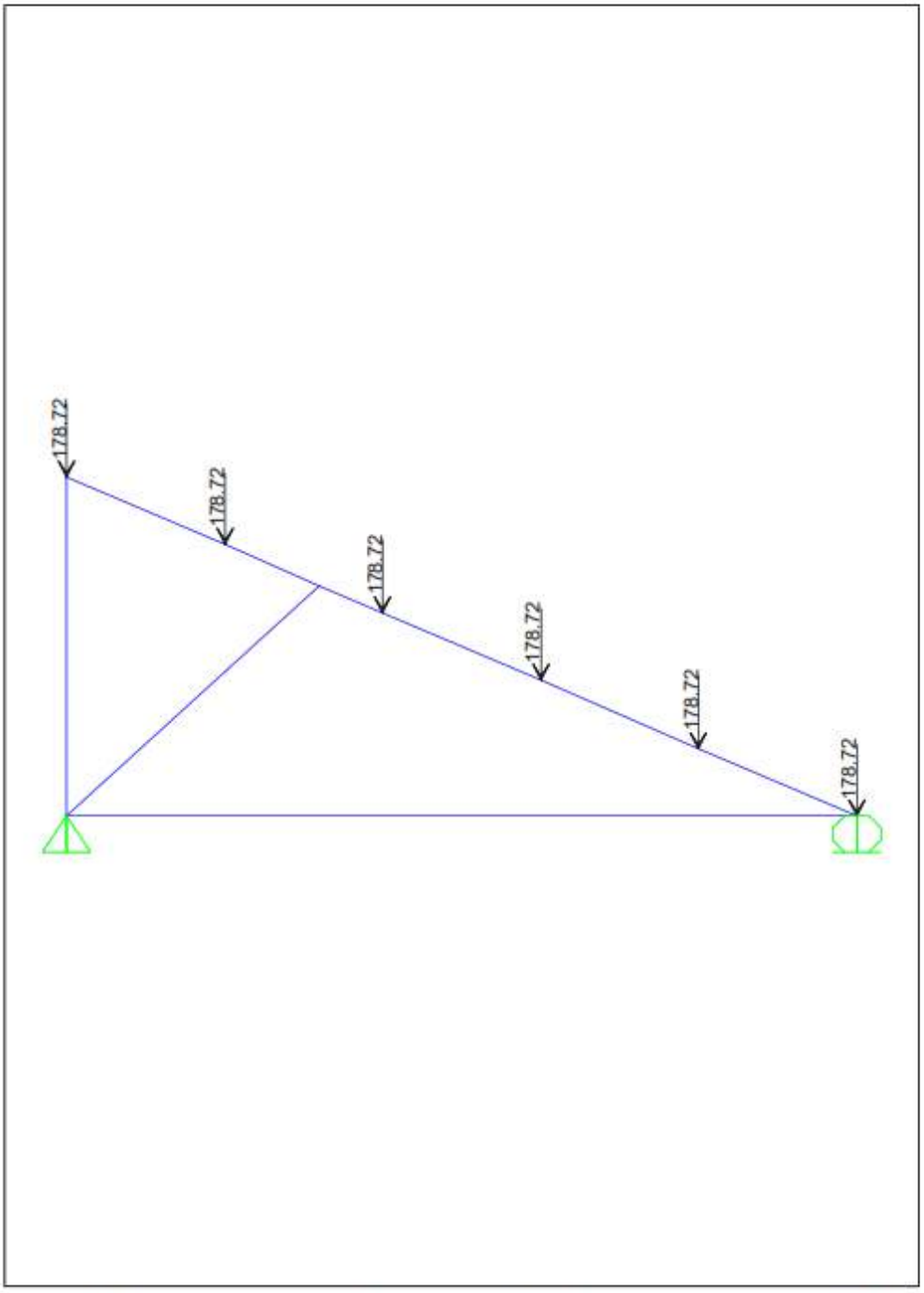
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

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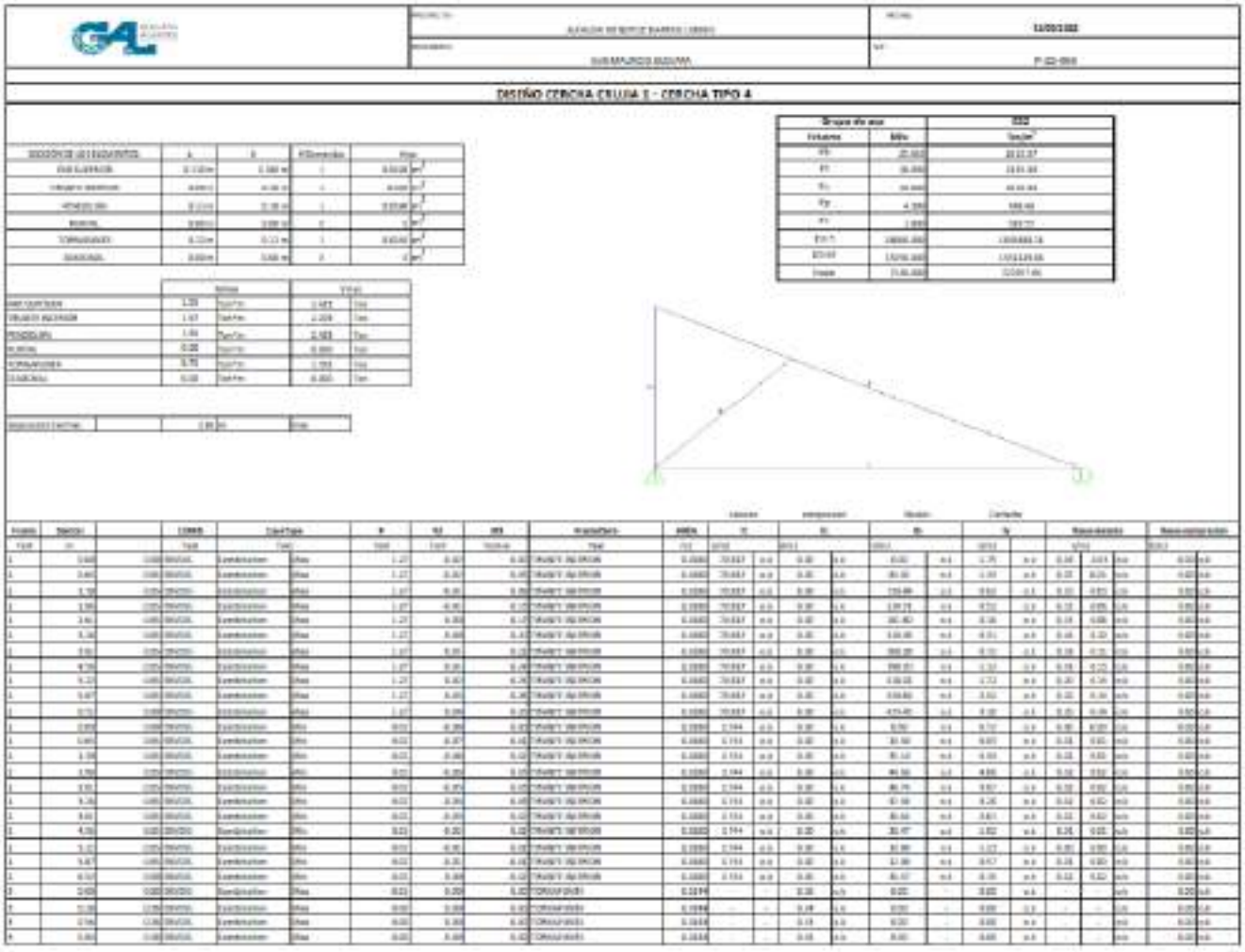
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 4.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elementos Grupo ES2



DISEÑO CERCHA CELDA 1 - CERCHA TIPO A

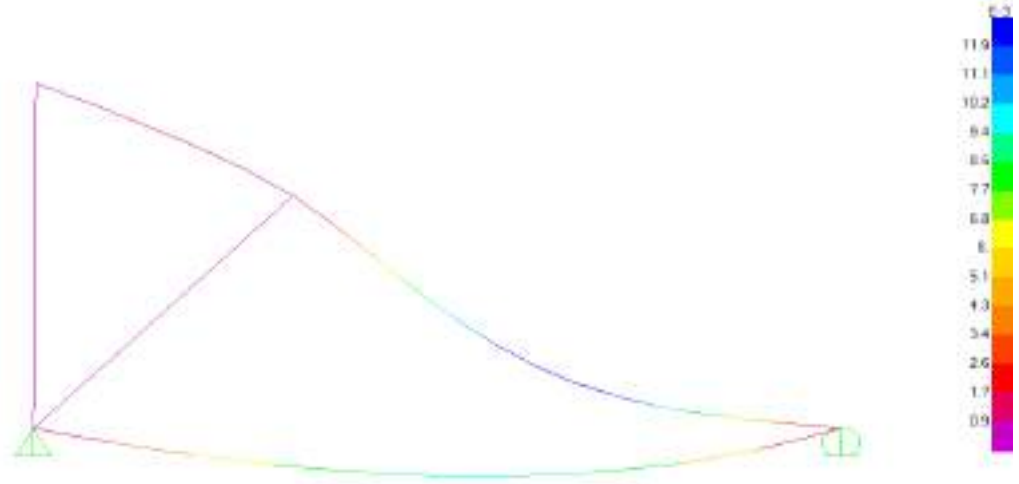
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
3	1.12	0.28	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.111	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	1.40	0.28	ENVOIS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.229	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	1.68	0.28	ENVOIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.347	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	1.96	0.28	ENVOIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.485	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.24	0.28	ENVOIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.576	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.52	0.28	ENVOIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.694	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.80	0.00	ENVOIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.813	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	0.00	0.00	ENVOIS	Combination	Min	-0.44	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.78	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.28	0.28	ENVOIS	Combination	Min	-0.44	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.58	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.56	0.28	ENVOIS	Combination	Min	-0.44	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.39	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.84	0.28	ENVOIS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.12	0.28	ENVOIS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.40	0.28	ENVOIS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.68	0.28	ENVOIS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.60	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.96	0.28	ENVOIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.41	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.24	0.28	ENVOIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.52	0.28	ENVOIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.02	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.80	0.00	ENVOIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	28.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.00	0.00	ENVOIS	Combination	Max	-0.03	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	1.41	o.k	0.00	-	0.66	o.k	-	-	o.k	0.00	o.k
4	0.28	0.28	ENVOIS	Combination	Max	-0.02	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	1.33	o.k	5.62	o.k	0.52	o.k	-	-	o.k	0.00	o.k
4	0.57	0.28	ENVOIS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.24	o.k	10.02	o.k	0.39	o.k	-	-	o.k	0.00	o.k
4	0.85	0.28	ENVOIS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.17	o.k	13.13	o.k	0.27	o.k	-	-	o.k	0.01	o.k
4	1.13	0.28	ENVOIS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.08	o.k	15.02	o.k	0.13	o.k	-	-	o.k	0.01	o.k
4	1.41	0.28	ENVOIS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.01	o.k	15.64	o.k	0.00	o.k	-	-	o.k	0.01	o.k
4	1.70	0.28	ENVOIS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	0.93	o.k	15.02	o.k	0.22	o.k	-	-	o.k	0.01	o.k
4	1.98	0.28	ENVOIS	Combination	Max	-0.02	0.01	0.01	TIRANTE INFERIOR	0.0180	-	-	0.84	o.k	13.13	o.k	0.44	o.k	-	-	o.k	0.01	o.k
4	2.26	0.28	ENVOIS	Combination	Max	-0.01	0.01	0.01	TIRANTE INFERIOR	0.0180	-	-	0.77	o.k	10.02	o.k	0.66	o.k	-	-	o.k	0.00	o.k
4	2.54	0.28	ENVOIS	Combination	Max	-0.01	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	0.68	o.k	5.62	o.k	0.87	o.k	-	-	o.k	0.00	o.k
4	2.85	0.00	ENVOIS	Combination	Max	-0.01	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	0.61	o.k	0.00	o.k	1.10	o.k	-	-	o.k	0.00	o.k
4	0.00	0.00	ENVOIS	Combination	Min	-1.74	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.50	o.k	0.00	-	1.10	o.k	-	-	o.k	0.00	o.k
4	0.28	0.28	ENVOIS	Combination	Min	-1.73	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.37	o.k	5.38	o.k	0.87	o.k	-	-	o.k	0.00	o.k
4	0.57	0.28	ENVOIS	Combination	Min	-1.73	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.23	o.k	6.01	o.k	0.66	o.k	-	-	o.k	0.00	o.k
4	0.85	0.28	ENVOIS	Combination	Min	-1.73	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.10	o.k	7.88	o.k	0.44	o.k	-	-	o.k	0.01	o.k
4	1.13	0.28	ENVOIS	Combination	Min	-1.73	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	95.97	o.k	9.01	o.k	0.22	o.k	-	-	o.k	0.01	o.k
4	1.41	0.28	ENVOIS	Combination	Min	-1.73	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	95.83	o.k	9.38	o.k	0.00	o.k	-	-	o.k	0.01	o.k
4	1.70	0.28	ENVOIS	Combination	Min	-1.72	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	95.70	o.k	9.01	o.k	0.13	o.k	-	-	o.k	0.01	o.k
4	1.98	0.28	ENVOIS	Combination	Min	-1.72	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	95.57	o.k	7.88	o.k	0.27	o.k	-	-	o.k	0.01	o.k
4	2.26	0.28	ENVOIS	Combination	Min	-1.72	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	95.43	o.k	6.01	o.k	0.39	o.k	-	-	o.k	0.00	o.k
4	2.54	0.28	ENVOIS	Combination	Min	-1.72	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	95.30	o.k	5.38	o.k	0.52	o.k	-	-	o.k	0.00	o.k
4	2.85	0.00	ENVOIS	Combination	Min	-1.71	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	95.17	o.k	0.00	o.k	0.66	o.k	-	-	o.k	0.00	o.k
5	0.00	0.00	ENVOIS	Combination	Max	0.00	0.10	0.00	PAR SUPERIOR	0.0198	0.052	o.k	0.00	o.k	0.00	o.k	7.20	o.k	0.00	0.00	o.k	0.00	o.k
5	0.71	0.71	ENVOIS	Combination	Max	0.00	0.10	0.00	PAR SUPERIOR	0.0198	-	-	0.09	o.k	1.48	o.k	7.89	o.k	-	-	o.k	0.00	o.k
5	1.42	0.71	ENVOIS	Combination	Max	0.00	0.11	-0.01	PAR SUPERIOR	0.0198	-	-	0.20	o.k	9.46	o.k	8.57	o.k	-	-	o.k	0.00	o.k
5	1.42	0.00	ENVOIS	Combination	Max	0.00	0.59	-0.01	PAR SUPERIOR	0.0198	0.061	o.k	0.00	o.k	9.46	o.k	44.67	o.k	0.00	0.00	o.k	0.00	o.k
5	2.13	0.71	ENVOIS	Combination	Max	0.00	0.60	-0.01	PAR SUPERIOR	0.0198	-	-	0.06	o.k	9.28	o.k	45.35	o.k	-	-	o.k	0.00	o.k
5	2.27	0.14	ENVOIS	Combination	Max	0.00	0.60	-0.01	PAR SUPERIOR	0.0198	-	-	0.08	o.k	10.02	o.k	45.48	o.k	-	-	o.k	0.00	o.k
5	2.27	0.00	ENVOIS	Combination	Max	-0.01	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	0.67	o.k	10.02	o.k	0.23	o.k	-	-	o.k	0.00	o.k
5	2.84	0.57	ENVOIS	Combination	Max	-0.02	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	0.76	o.k	9.19	o.k	0.10	o.k	-	-	o.k	0.00	o.k
5	2.84	0.00	ENVOIS	Combination	Max	-0.01	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	0.50	o.k	9.19	o.k	0.83	o.k	-	-	o.k	0.00	o.k
5	3.55	0.71	ENVOIS	Combination	Max	-0.01	-0.01	0.21	PAR SUPERIOR	0.0198	-	-	0.62	o.k	359.85	o.k	0.42	o.k	-	-	o.k	0.14	o.k
5	4.26	0.71	ENVOIS	Combination	Max	-0.01	0.00	0.54	PAR SUPERIOR	0.0198	-	-	0.73	o.k	905.72	o.k	0.01	o.k	-	-	o.k	0.35	o.k
5	4.26	0.00	ENVOIS	Combination	Max	-0.01	0.02	0.54	PAR SUPERIOR	0.0198	-	-	0.47	o.k	905.72	o.k	1.82	o.k	-	-	o.k	0.35	o.k
5	4.97	0.71	ENVOIS	Combination	Max	-0.01	0.05	0.52	PAR SUPERIOR	0.0198	-	-	0.59	o.k	871.68	o.k	2.50	o.k	-	-	o.k	0.33	o.k
5	5.68	0.71	ENVOIS	Combination	Max	-0.01	0.04	0.49	PAR SUPERIOR	0.0198	-	-	0.70	o.k	826.85	o.k	3.19	o.k	-	-	o.k	0.32	o.k
5	5.68	0.00	ENVOIS	Combination	Max	-0.01	0.52	0.49	PAR SUPERIOR	0.0198	-	-	0.44	o.k	826.85	o.k	39.28	o.k	-	-	o.k	0.32	o.k
5	6.39	0.71	ENVOIS	Combination	Max	-0.01	0.55	0.12	PAR SUPERIOR	0.0198	-	-	0.56	o.k	202.09	o.k	39.96	o.k	-	-	o.k	0.08	o.k
5	7.10	0.00	ENVOIS	Combination	Max	-0.01	0.54	0.02	PAR SUPERIOR	0.0198	-	-	0.67	o.k	40.47	o.k	40.64	o.k	-	-	o.k	0.02	o.k
5	0.00	0.00	ENVOIS	Combination	Min	-0.04	0.00	0.00	PAR SUPERIOR	0.0198	-	-	2.08	o.k	0.00	o.k	0.11	o.k	-	-	o.k	0.00	o.k
5	0.71	0.71	ENVOIS	Combination	Min	-0.04	0.00	-0.07	PAR SUPERIOR	0.0198	-	-	2.26	o.k	118.97	o.k	0.30	o.k	-	-	o.k	0.05	o.k
5	1.42	0.71	ENVOIS	Combination	Min	-0.05	0.01	-0.15	PAR SUPERIOR	0.0198	-	-	2.45	o.k	248.74	o.k	0.71	o.k	-	-	o.k	0.10	o.k
5	1.42	0.00	ENVOIS	Combination	Min	-0.25	0.00	-0.15	PAR SUPERIOR	0.0198	-	-	12.79	o.k	248.74	o.k	0.22	o.k	-	-	o.k	0.10	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
5	2.13	0.71	ENVOIS	Combination	Min	-0.26	0.00	-0.57	PAR SUPERIOR	0.0198	-	-	12.98	o.k	958.42	o.k	0.20	o.k	-	-	o.k	0.37	o.k
5	2.27	0.14	ENVOIS	Combination	Min	-0.26	0.00	-0.66	PAR SUPERIOR	0.0198	-	-	15.03	o.k	1103.03	o.k	0.27	o.k	-	-	o.k	0.42	o.k
5	2.27	0.00	ENVOIS	Combination	Min	-0.98	-0.95	-0.66	PAR SUPERIOR	0.0198	-	-	49.37	o.k	1103.03	o.k	72.29	o.k	-	-	o.k	0.42	o.k
5	2.84	0.57	ENVOIS	Combination	Min	-0.98	-0.95	-0.12	PAR SUPERIOR	0.0198	-	-	49.53	o.k	196.84	o.k	71.73	o.k	-	-	o.k	0.08	o.k
5	2.84	0.00	ENVOIS	Combination	Min	-1.19	-0.47	-0.12	PAR SUPERIOR	0.0198	-	-	59.86	o.k	196.84	o.k	35.64	o.k	-	-	o.k	0.08	o.k
5	3.55	0.71	ENVOIS	Combination	Min	-1.19	-0.46	0.00	PAR SUPERIOR	0.0198	-	-	60.06	o.k	0.84	o.k	34.96	o.k	-	-	o.k	0.00	o.k
5	4.26	0.71	ENVOIS	Combination	Min	-1.19	-0.45	0.00	PAR SUPERIOR	0.0198	-	-	60.25	o.k	4.01	o.k	34.27	o.k	-	-	o.k	0.00	o.k
5	4.26	0.00	ENVOIS	Combination	Min	-1.40	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	70.59	o.k	4.01	o.k	0.94	o.k	-	-	o.k	0.00	o.k
5	4.97	0.71	ENVOIS	Combination	Min	-1.40	-0.01	0.01	PAR SUPERIOR	0.0198	-	-	70.78	o.k	15.52	o.k	0.52	o.k	-	-	o.k	0.01	o.k
5	5.68	0.71	ENVOIS	Combination	Min	-1.41	0.00	0.01	PAR SUPERIOR	0.0198	-	-	70.98	o.k	20.57	o.k	0.11	o.k	-	-	o.k	0.01	o.k
5	5.68	0.00	ENVOIS	Combination	Min	-1.61	-0.01	0.01	PAR SUPERIOR	0.0198	-	-	81.31	o.k	20.57	o.k	1.05	o.k	-	-	o.k	0.01	o.k
5	6.39	0.71	ENVOIS	Combination	Min	-1.61	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	81.51	o.k	33.75	o.k	0.63	o.k	-	-	o.k	0.01	o.k
5	7.10	0.00	ENVOIS	Combination	Min	-1.62	0.00	-0.26	PAR SUPERIOR	0.0198	-	-	81.70	o.k	455.45	o.k	0.22	o.k	-	-	o.k	0.38	o.k

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: **12/05/2022**
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 4

EVALUACION DE DEFORMACIONES

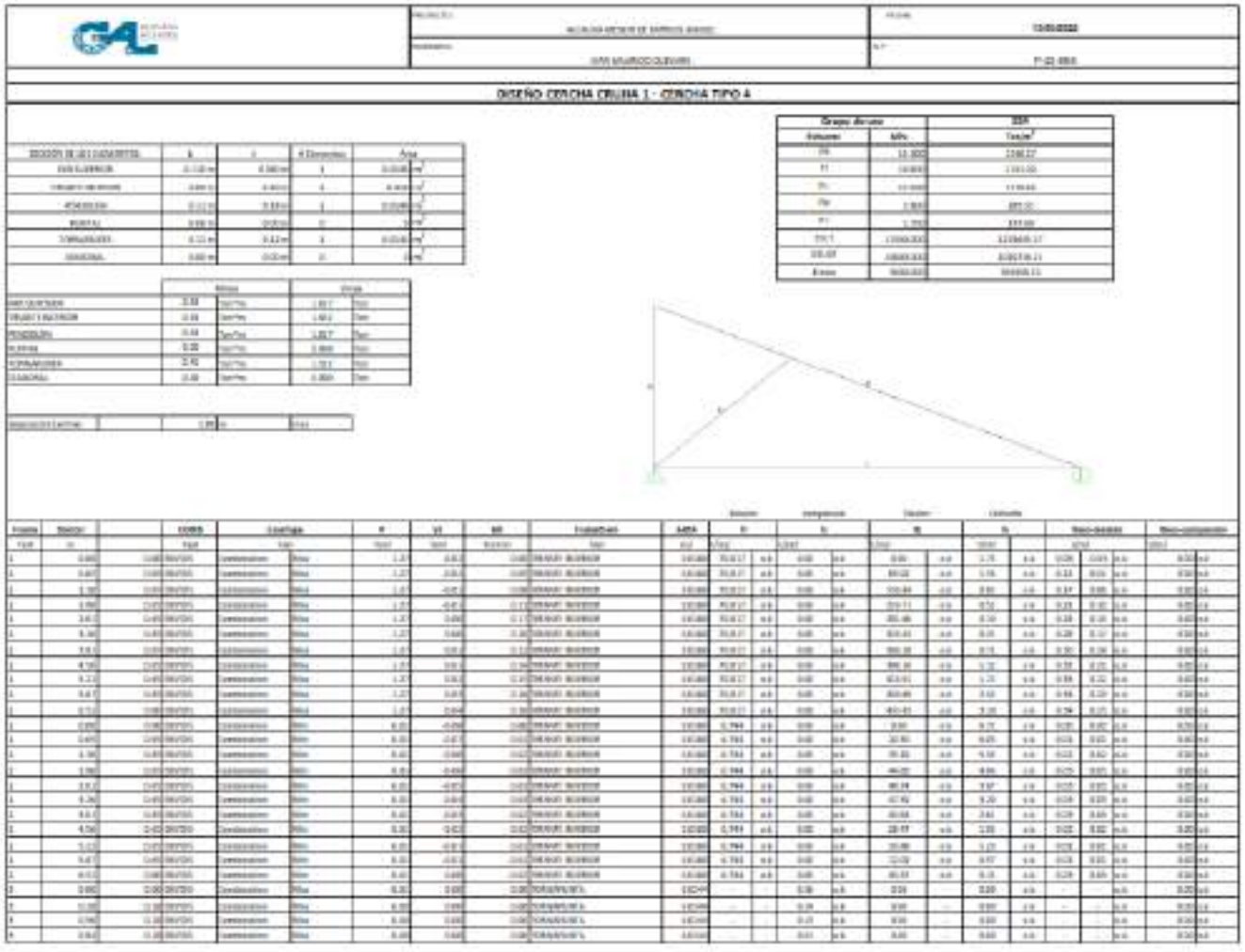


Luz Libre 6.52 m
Deformacion Admisible
2.17 cm
Deforamcion cercha
1.03 cm

CUMPLE



Analisis Elementos Grupo ES4

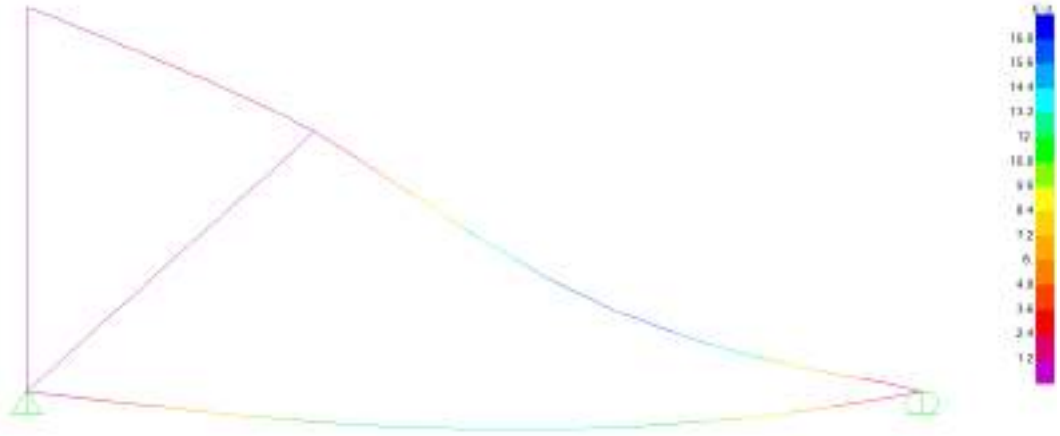


Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
3	1.12	0.28	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.111	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	1.40	0.28	ENVOLS	Combination	Max	0.00	0.00	0.00	TORNAPUNTA	0.0144	0.229	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	1.68	0.28	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.347	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	1.96	0.28	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.465	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.24	0.28	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.576	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.52	0.28	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.694	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	2.80	0.00	ENVOLS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0144	0.813	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
3	0.00	0.00	ENVOLS	Combination	Min	-0.44	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.78	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.28	0.28	ENVOLS	Combination	Min	-0.44	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.58	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.56	0.28	ENVOLS	Combination	Min	-0.44	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.39	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	0.84	0.28	ENVOLS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.12	0.28	ENVOLS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	30.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.40	0.28	ENVOLS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.68	0.28	ENVOLS	Combination	Min	-0.43	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.60	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	1.96	0.28	ENVOLS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.41	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.24	0.28	ENVOLS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.52	0.28	ENVOLS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	29.02	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
3	2.80	0.00	ENVOLS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0144	-	-	28.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.00	0.00	ENVOLS	Combination	Max	-0.03	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	1.41	o.k	0.00	-	0.66	o.k	-	-	o.k	0.00	o.k
4	0.28	0.28	ENVOLS	Combination	Max	-0.02	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	1.33	o.k	5.62	o.k	0.52	o.k	-	-	o.k	0.00	o.k
4	0.57	0.28	ENVOLS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.24	o.k	10.02	o.k	0.39	o.k	-	-	o.k	0.01	o.k
4	0.85	0.28	ENVOLS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.17	o.k	13.13	o.k	0.27	o.k	-	-	o.k	0.01	o.k
4	1.13	0.28	ENVOLS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.08	o.k	15.02	o.k	0.13	o.k	-	-	o.k	0.01	o.k
4	1.41	0.28	ENVOLS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	1.01	o.k	15.64	o.k	0.00	o.k	-	-	o.k	0.01	o.k
4	1.70	0.28	ENVOLS	Combination	Max	-0.02	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	0.93	o.k	15.02	o.k	0.22	o.k	-	-	o.k	0.01	o.k
4	1.98	0.28	ENVOLS	Combination	Max	-0.02	0.01	0.01	TIRANTE INFERIOR	0.0180	-	-	0.84	o.k	13.13	o.k	0.44	o.k	-	-	o.k	0.01	o.k
4	2.26	0.28	ENVOLS	Combination	Max	-0.01	0.01	0.01	TIRANTE INFERIOR	0.0180	-	-	0.77	o.k	10.02	o.k	0.66	o.k	-	-	o.k	0.01	o.k
4	2.54	0.28	ENVOLS	Combination	Max	-0.01	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	0.68	o.k	5.62	o.k	0.87	o.k	-	-	o.k	0.00	o.k
4	2.83	0.00	ENVOLS	Combination	Max	-0.01	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	0.61	o.k	0.00	o.k	1.10	o.k	-	-	o.k	0.00	o.k
4	0.00	0.00	ENVOLS	Combination	Min	-1.74	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.50	o.k	0.00	-	1.10	o.k	-	-	o.k	0.00	o.k
4	0.28	0.28	ENVOLS	Combination	Min	-1.73	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.37	o.k	3.38	o.k	0.87	o.k	-	-	o.k	0.01	o.k
4	0.57	0.28	ENVOLS	Combination	Min	-1.73	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.23	o.k	6.01	o.k	0.66	o.k	-	-	o.k	0.01	o.k
4	0.85	0.28	ENVOLS	Combination	Min	-1.73	-0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	96.10	o.k	7.88	o.k	0.44	o.k	-	-	o.k	0.01	o.k
4	1.13	0.28	ENVOLS	Combination	Min	-1.73	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	95.97	o.k	9.01	o.k	0.22	o.k	-	-	o.k	0.01	o.k
4	1.41	0.28	ENVOLS	Combination	Min	-1.73	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	95.83	o.k	9.38	o.k	0.00	o.k	-	-	o.k	0.01	o.k
4	1.70	0.28	ENVOLS	Combination	Min	-1.72	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	95.70	o.k	9.01	o.k	0.13	o.k	-	-	o.k	0.01	o.k
4	1.98	0.28	ENVOLS	Combination	Min	-1.72	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	95.57	o.k	7.88	o.k	0.27	o.k	-	-	o.k	0.01	o.k
4	2.26	0.28	ENVOLS	Combination	Min	-1.72	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	95.43	o.k	6.01	o.k	0.39	o.k	-	-	o.k	0.01	o.k
4	2.54	0.28	ENVOLS	Combination	Min	-1.72	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	95.30	o.k	5.38	o.k	0.52	o.k	-	-	o.k	0.01	o.k
4	2.83	0.00	ENVOLS	Combination	Min	-1.71	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	95.17	o.k	0.00	o.k	0.66	o.k	-	-	o.k	0.00	o.k
5	0.00	0.00	ENVOLS	Combination	Max	0.00	0.10	0.00	PAR SUPERIOR	0.0198	0.052	o.k	0.00	o.k	0.00	o.k	7.20	o.k	0.00	0.00	o.k	0.00	o.k
5	0.71	0.71	ENVOLS	Combination	Max	0.00	0.10	0.00	PAR SUPERIOR	0.0198	-	-	0.09	o.k	1.48	o.k	7.89	o.k	-	-	o.k	0.00	o.k
5	1.42	0.71	ENVOLS	Combination	Max	0.00	0.11	-0.01	PAR SUPERIOR	0.0198	-	-	0.20	o.k	9.46	o.k	8.57	o.k	-	-	o.k	0.01	o.k
5	1.42	0.00	ENVOLS	Combination	Max	0.00	0.59	-0.01	PAR SUPERIOR	0.0198	0.061	o.k	0.00	o.k	9.46	o.k	44.67	o.k	0.01	0.01	o.k	0.00	o.k
5	2.13	0.71	ENVOLS	Combination	Max	0.00	0.60	-0.01	PAR SUPERIOR	0.0198	-	-	0.06	o.k	9.28	o.k	45.35	o.k	-	-	o.k	0.01	o.k
5	2.27	0.14	ENVOLS	Combination	Max	0.00	0.60	-0.01	PAR SUPERIOR	0.0198	-	-	0.08	o.k	10.02	o.k	45.48	o.k	-	-	o.k	0.01	o.k
5	2.27	0.00	ENVOLS	Combination	Max	-0.01	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	0.67	o.k	10.02	o.k	0.23	o.k	-	-	o.k	0.01	o.k
5	2.84	0.57	ENVOLS	Combination	Max	-0.02	0.00	-0.01	PAR SUPERIOR	0.0198	-	-	0.76	o.k	9.19	o.k	0.10	o.k	-	-	o.k	0.01	o.k
5	2.84	0.00	ENVOLS	Combination	Max	-0.01	-0.01	-0.01	PAR SUPERIOR	0.0198	-	-	0.50	o.k	9.19	o.k	0.83	o.k	-	-	o.k	0.01	o.k
5	3.55	0.71	ENVOLS	Combination	Max	-0.01	-0.01	0.21	PAR SUPERIOR	0.0198	-	-	0.62	o.k	359.85	o.k	0.42	o.k	-	-	o.k	0.23	o.k
5	4.26	0.71	ENVOLS	Combination	Max	-0.01	0.00	0.54	PAR SUPERIOR	0.0198	-	-	0.73	o.k	905.72	o.k	0.01	o.k	-	-	o.k	0.58	o.k
5	4.26	0.00	ENVOLS	Combination	Max	-0.01	0.01	0.54	PAR SUPERIOR	0.0198	-	-	0.47	o.k	905.72	o.k	1.82	o.k	-	-	o.k	0.58	o.k
5	4.97	0.71	ENVOLS	Combination	Max	-0.01	0.03	0.52	PAR SUPERIOR	0.0198	-	-	0.59	o.k	871.68	o.k	2.50	o.k	-	-	o.k	0.56	o.k
5	5.68	0.71	ENVOLS	Combination	Max	-0.01	0.04	0.49	PAR SUPERIOR	0.0198	-	-	0.70	o.k	826.85	o.k	3.39	o.k	-	-	o.k	0.53	o.k
5	5.68	0.00	ENVOLS	Combination	Max	-0.01	0.52	0.49	PAR SUPERIOR	0.0198	-	-	0.44	o.k	826.85	o.k	39.28	o.k	-	-	o.k	0.53	o.k
5	6.39	0.71	ENVOLS	Combination	Max	-0.01	0.55	0.12	PAR SUPERIOR	0.0198	-	-	0.56	o.k	202.09	o.k	39.96	o.k	-	-	o.k	0.13	o.k
5	7.10	0.00	ENVOLS	Combination	Max	-0.01	0.54	0.02	PAR SUPERIOR	0.0198	-	-	0.67	o.k	40.47	o.k	40.64	o.k	-	-	o.k	0.03	o.k
5	0.00	0.00	ENVOLS	Combination	Min	-0.04	0.00	0.00	PAR SUPERIOR	0.0198	-	-	2.06	o.k	0.00	o.k	0.11	o.k	-	-	o.k	0.00	o.k
5	0.71	0.71	ENVOLS	Combination	Min	-0.04	0.00	-0.07	PAR SUPERIOR	0.0198	-	-	2.28	o.k	118.97	o.k	0.30	o.k	-	-	o.k	0.08	o.k
5	1.42	0.71	ENVOLS	Combination	Min	-0.05	0.01	-0.15	PAR SUPERIOR	0.0198	-	-	2.45	o.k	248.74	o.k	0.71	o.k	-	-	o.k	0.16	o.k
5	1.42	0.00	ENVOLS	Combination	Min	-0.25	0.00	-0.15	PAR SUPERIOR	0.0198	-	-	12.79	o.k	248.74	o.k	0.22	o.k	-	-	o.k	0.16	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
5	2.15	0.71	ENVOLS	Combination	Min	-0.26	0.00	-0.57	PAR SUPERIOR	0.0198	-	-	12.98	o.k	958.42	o.k	0.20	o.k	-	-	o.k	0.62	o.k
5	2.27	0.14	ENVOLS	Combination	Min	-0.26	0.00	-0.66	PAR SUPERIOR	0.0198	-	-	15.03	o.k	1105.03	o.k	0.27	o.k	-	-	o.k	0.71	o.k
5	2.27	0.00	ENVOLS	Combination	Min	-0.98	-0.95	-0.66	PAR SUPERIOR	0.0198	-	-	49.37	o.k	1105.03	o.k	72.29	o.k	-	-	o.k	0.71	o.k
5	2.84	0.57	ENVOLS	Combination	Min	-0.98	-0.95	-0.12	PAR SUPERIOR	0.0198	-	-	49.53	o.k	196.84	o.k	71.75	o.k	-	-	o.k	0.13	o.k
5	2.84	0.00	ENVOLS	Combination	Min	-1.19	-0.47	-0.12	PAR SUPERIOR	0.0198	-	-	59.86	o.k	196.84	o.k	35.64	o.k	-	-	o.k	0.13	o.k
5	3.55	0.71	ENVOLS	Combination	Min	-1.19	-0.46	0.00	PAR SUPERIOR	0.0198	-	-	60.06	o.k	0.64	o.k	34.96	o.k	-	-	o.k	0.00	o.k
5	4.26	0.71	ENVOLS	Combination	Min	-1.19	-0.45	0.00	PAR SUPERIOR	0.0198	-	-	60.25	o.k	4.01	o.k	34.27	o.k	-	-	o.k	0.00	o.k
5	4.26	0.00	ENVOLS	Combination	Min	-1.40	-0.01	0.00	PAR SUPERIOR	0.0198	-	-	70.59	o.k	4.01	o.k	0.94	o.k	-	-	o.k	0.01	o.k
5	4.97	0.71	ENVOLS	Combination	Min	-1.40	-0.01	0.01	PAR SUPERIOR	0.0198	-	-	70.78	o.k	15.52	o.k	0.52	o.k	-	-	o.k	0.01	o.k
5	5.68	0.71	ENVOLS	Combination	Min	-1.41	0.00	0.01	PAR SUPERIOR	0.0198	-	-	70.98	o.k	20.57	o.k	0.11	o.k	-	-	o.k	0.02	o.k
5	5.68	0.00	ENVOLS	Combination	Min	-1.61	-0.01	0.01	PAR SUPERIOR	0.0198	-	-	81.31	o.k	20.57	o.k	1.05	o.k	-	-	o.k	0.02	o.k
5	6.39	0.71	ENVOLS	Combination	Min	-1.61	-0.01	0.02	PAR SUPERIOR	0.0198	-	-	81.51	o.k	33.75	o.k	0.83	o.k	-	-	o.k	0.03	o.k
5	7.10	0.00	ENVOLS	Combination	Min	-1.62	0.00	-0.26	PAR SUPERIOR	0.0198	-	-	81.70	o.k	433.45	o.k	0.22	o.k	-	-	o.k	1.48	N.C

CUBIERTA MADERA - CRUJIA 1 - CERCHA TIPO 4

EVALUACION DE DEFORMACIONES



Luz Libre 6.52 m
Deformacion Admisible
2.17 cm CUMPLE
Deforamcion cercha
1.37 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 4- CRUJIA 1

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

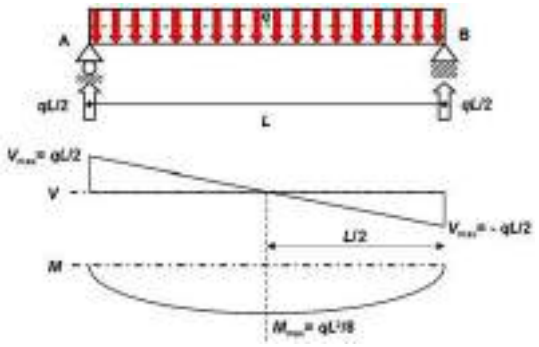
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 2.05 m L Afe= 1.56 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.7 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 78.00 Kg/m
CM= 153.80 Kg/m
W= 96.09 Kg/m



q_U =	**284.36 Kg/m**
$V_{MÀX}$=	**291.47 Kg**
$M_{MÀX}$=	**149.38 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *5.47 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *1.50 cm* > δ Admisible, No Cumple
δ Admisible L/300= 0.7 cm

NOTA:

4.11.6 Verificación Cubiertas Crujía 2.

4.11.6.1 Tipo 1

CUBIERTA CRUJIA 2

Corresponde al analisis de la crujia 2 cerchas CH1 a CH9, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

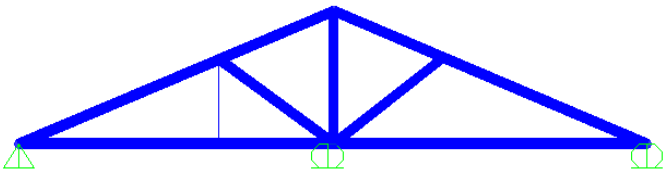
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 61.59 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.39	132.05	69.50	**69.50**	**85.61**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.93	254.86	134.14	**134.14**	**165.24**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength

COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None
COMB5	G			

COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		

COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR 20X9	N.A.	Default
2	Rectangular	N.A.	TIR 20X9	N.A.	Default
6	Rectangular	N.A.	PEN 20X12	N.A.	Default
7	Rectangular	N.A.	TORN 20X12	N.A.	Default
8	Rectangular	N.A.	TORN 20X12	N.A.	Default
9	Circular	N.A.	1/2"	N.A.	Default
10	Circular	N.A.	1/2"	N.A.	Default
11	Rectangular	N.A.	PAR 20X12	N.A.	Default
17	Rectangular	N.A.	PAR 20X12	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
1/2"	A615Gr60	Circle	0.0127			
PAR 20X12	M-ES2	Rectangular	0.2	0.12		
PEN 20X12	M-ES2	Rectangular	0.2	0.12		
PUNT 10X8	M-ES2	Rectangular	0.08	0.1		
TIR 20X9	M-ES2	Rectangular	0.2	0.09		
TORN 20X12	M-ES2	Rectangular	0.2	0.12		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
1/2"	0.000127	2.554E-09	1.277E-09	1.277E-09	0.	0.000114	0.000114
PAR 20X12	0.024	0.000072	0.00008	0.000029	0.	0.02	0.02
PEN 20X12	0.024	0.000072	0.00008	0.000029	0.	0.02	0.02
PUNT 10X8	0.008	8.759E-06	4.267E-06	6.667E-06	0.	0.006667	0.006667
TIR 20X9	0.018	0.000035	0.00006	0.000012	0.	0.015	0.015
TORN 20X12	0.024	0.000072	0.00008	0.000029	0.	0.02	0.02
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
1/2"	2.011E-07	2.011E-07	3.414E-07	3.414E-07	0.003175	0.003175	
PAR 20X12	0.0008	0.00048	0.0012	0.00072	0.057735	0.034641	

PEN 20X12	0.0008	0.00048	0.0012	0.00072	0.057735	0.034641	
PUNT 10X8	0.000107	0.000133	0.00016	0.0002	0.023094	0.028868	
TIR 20X9	0.0006	0.00027	0.0009	0.000405	0.057735	0.025981	
TORN 20X12	0.0008	0.00048	0.0012	0.00072	0.057735	0.034641	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
1/2"	No	No	Red	3.57	0.36	No	1.
PAR 20X12	No	No	Cyan	249.92	25.48	No	1.
PEN 20X12	No	No	White	46.87	4.78	No	1.
PUNT 10X8	No	No	Cyan	0.	0.	No	1.
TIR 20X9	No	No	Magenta	173.75	17.72	No	1.
TORN 20X12	No	No	Blue	102.19	10.42	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
1/2"	1.	1.	1.	1.	1.	1.	1.
PAR 20X12	1.	1.	1.	1.	1.	1.	1.
PEN 20X12	1.	1.	1.	1.	1.	1.	1.
PUNT 10X8	1.	1.	1.	1.	1.	1.	1.
TIR 20X9	1.	1.	1.	1.	1.	1.	1.
TORN 20X12	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
1/2"			
PAR 20X12			
PEN 20X12			
PUNT 10X8			
TIR 20X9			
TORN 20X12			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
1/2"	Added 20/07/2017 12:06:31 a. m.
PAR 20X12	Added 01/06/2017 00:06:46
PEN 20X12	Added 01/06/2017 00:08:01
PUNT 10X8	Added 01/06/2017 00:08:43
TIR 20X9	Added 01/06/2017 00:07:12
TORN 20X12	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.4	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.78	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.91	Primary	Gray8Dark	Yes	End
GLOBAL	X		9.26	Primary	Gray8Dark	Yes	End
GLOBAL	X		13.79	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.78	Primary	Gray8Dark	Yes	End
GLOBAL	Z		2.79	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	D	GLOBAL	0.	0.	-254.86	0.	0.
1	Lr	GLOBAL	0.	0.	-134.14	0.	0.
1	G	GLOBAL	0.	0.	-134.14	0.	0.
1	W	GLOBAL	0.	0.	-165.24	0.	0.
3	D	GLOBAL	0.	0.	-254.86	0.	0.
3	Lr	GLOBAL	0.	0.	-134.14	0.	0.
3	G	GLOBAL	0.	0.	-134.14	0.	0.
3	W	GLOBAL	0.	0.	-165.24	0.	0.
5	D	GLOBAL	0.	0.	-254.86	0.	0.
5	Lr	GLOBAL	0.	0.	-134.14	0.	0.
5	G	GLOBAL	0.	0.	-134.14	0.	0.
5	W	GLOBAL	0.	0.	-165.24	0.	0.
16	D	GLOBAL	0.	0.	-254.86	0.	0.
16	Lr	GLOBAL	0.	0.	-134.14	0.	0.
16	G	GLOBAL	0.	0.	-134.14	0.	0.
16	W	GLOBAL	0.	0.	-165.24	0.	0.
17	D	GLOBAL	0.	0.	-254.86	0.	0.
17	Lr	GLOBAL	0.	0.	-134.14	0.	0.
17	G	GLOBAL	0.	0.	-134.14	0.	0.
17	W	GLOBAL	0.	0.	-165.24	0.	0.
18	D	GLOBAL	0.	0.	-254.86	0.	0.
18	Lr	GLOBAL	0.	0.	-134.14	0.	0.
18	G	GLOBAL	0.	0.	-134.14	0.	0.
18	W	GLOBAL	0.	0.	-165.24	0.	0.
19	D	GLOBAL	0.	0.	-254.86	0.	0.
19	Lr	GLOBAL	0.	0.	-134.14	0.	0.
19	G	GLOBAL	0.	0.	-134.14	0.	0.
19	W	GLOBAL	0.	0.	-165.24	0.	0.
20	D	GLOBAL	0.	0.	-254.86	0.	0.
20	Lr	GLOBAL	0.	0.	-134.14	0.	0.
20	G	GLOBAL	0.	0.	-134.14	0.	0.
20	W	GLOBAL	0.	0.	-165.24	0.	0.
21	D	GLOBAL	0.	0.	-254.86	0.	0.
21	Lr	GLOBAL	0.	0.	-134.14	0.	0.
21	G	GLOBAL	0.	0.	-134.14	0.	0.
21	W	GLOBAL	0.	0.	-165.24	0.	0.
22	D	GLOBAL	0.	0.	-254.86	0.	0.
22	Lr	GLOBAL	0.	0.	-134.14	0.	0.
22	G	GLOBAL	0.	0.	-134.14	0.	0.
22	W	GLOBAL	0.	0.	-165.24	0.	0.
23	D	GLOBAL	0.	0.	-254.86	0.	0.
23	Lr	GLOBAL	0.	0.	-134.14	0.	0.
23	G	GLOBAL	0.	0.	-134.14	0.	0.
23	W	GLOBAL	0.	0.	-165.24	0.	0.
24	D	GLOBAL	0.	0.	-254.86	0.	0.
24	Lr	GLOBAL	0.	0.	-134.14	0.	0.
24	G	GLOBAL	0.	0.	-134.14	0.	0.

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
24	W	GLOBAL	0.	0.	-165.24	0.	0.
25	D	GLOBAL	0.	0.	-254.86	0.	0.
25	Lr	GLOBAL	0.	0.	-134.14	0.	0.
25	G	GLOBAL	0.	0.	-134.14	0.	0.
25	W	GLOBAL	0.	0.	-165.24	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
1	D	0.	36ba5a1e-4da5-4217-8ae5-3b848890f29d
1	Lr	0.	54592030-f2eb-44d1-8a78-a9c8e9d2ad94
1	G	0.	a4335053-3467-41fd-92bf-0917f78823b9
1	W	0.	cf0848fa-1ced-43ce-bcd6-de702267d907
3	D	0.	db3f1c10-e4f1-43c6-839f-93c9d3a848a8
3	Lr	0.	fd388c58-b9f2-4dbe-8811-cdc61b48518a
3	G	0.	20e8c216-abf1-47f0-9d8b-b12176fcaddc
3	W	0.	5cef508b-9ec1-4b6a-b6a9-1cb8f64f3920
5	D	0.	ef87d7ba-f058-422f-8fd2-47b09988b0f5
5	Lr	0.	4a886974-9b2d-4aa1-a8df-99917be02fa6
5	G	0.	f3ab68ff-2255-432f-9564-588f67ebafaf
5	W	0.	15bdb48b-6898-401c-89e2-9817e05459a1
16	D	0.	5ec0512d-9881-4bd8-86d4-a5e4415592a6
16	Lr	0.	d8453575-bd3f-43cd-82f2-10c35ed64e3d
16	G	0.	b7164145-6406-454d-a109-69d5dbe46308
16	W	0.	44ddd169-71af-424c-9653-6cf17b8afcf0
17	D	0.	f42d605b-221b-4c8c-951b-73c181598084
17	Lr	0.	bea65b72-86b0-4a01-ba39-bd6d32b6126d
17	G	0.	b6de57cf-bb3e-41da-a046-06de9c22088e
17	W	0.	16d1b453-62ce-42bd-9fc6-bde4aee93a97
18	D	0.	496c36a3-2551-43a6-aae5-f490f5947e0b

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
18	Lr	0.	3c1c62c1-5865-44d5-979a-a7570729ffed
18	G	0.	c46c9a73-0cfc-4987-a86f-3813d5cf5bcc
18	W	0.	075bbf82-aacf-45e7-b865-165e99eb56e3
19	D	0.	9f971b9b-2a27-41e3-96b3-b8a8c37e200b
19	Lr	0.	f220defa-02f1-4fd5-afb0-3a171eed0a9d
19	G	0.	6e271f63-8a60-4cf4-99bd-d7c7da3da5f1
19	W	0.	7e747e0a-bc00-4922-8dc9-ffefb5677ac6
20	D	0.	368f9058-e3f4-4059-a89c-1f612bd499f8
20	Lr	0.	757a2a64-39c5-48aa-ab7d-ef56c89799dd
20	G	0.	8358089f-d985-4c88-b79c-b2afc5588c53
20	W	0.	a378dded-9969-4061-b8c3-f73db9da4203
21	D	0.	81e75081-3142-43f9-bd03-08b2db1dd120
21	Lr	0.	8ffb1017-9bdf-4d86-97d7-ee3bee891fe3
21	G	0.	aa493e95-d62b-4b25-84b4-dac779528db0
21	W	0.	2e06a953-d141-4f9e-b258-c12adbc542f4
22	D	0.	37474a11-61e7-43fb-b445-1e4f407fe8d4
22	Lr	0.	eba5f5ac-716a-47cf-99c0-cc8c0702a86f
22	G	0.	e160200f-e4e6-4028-adb5-b472b7e58618
22	W	0.	71b718a1-ecb8-4d7a-9e41-ad35e420fab2
23	D	0.	e1c08e9d-a941-4582-92d1-c29ce24899c4
23	Lr	0.	a8466db8-6f5a-4851-8965-14a331521a39
23	G	0.	20f4ecfe-a1e4-4130-af6e-15d92dc49f56
23	W	0.	8c70c2d2-1d71-449d-aa7b-84bb0cf8b38d
24	D	0.	60dd671a-3b5c-47e0-a281-3902c095b546
24	Lr	0.	3d33f3d8-1ddd-433a-ad67-0f4ad51d557d
24	G	0.	dfca0401-9980-43a6-a227-018d571aad07
24	W	0.	7204a320-fe97-4c5b-a39f-1dfc6fe18f82
25	D	0.	20a99699-75a9-49a4-bc7f-dd7ae767e546

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
25	Lr	0.	206fdcf8-bc84-4bf2-b894-aa298fa918a4
25	G	0.	d3075a55-bf02-4cfc-9697-6130551822ab
25	W	0.	e3f5b03f-be48-4673-bc67-aad6e240c0e1

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

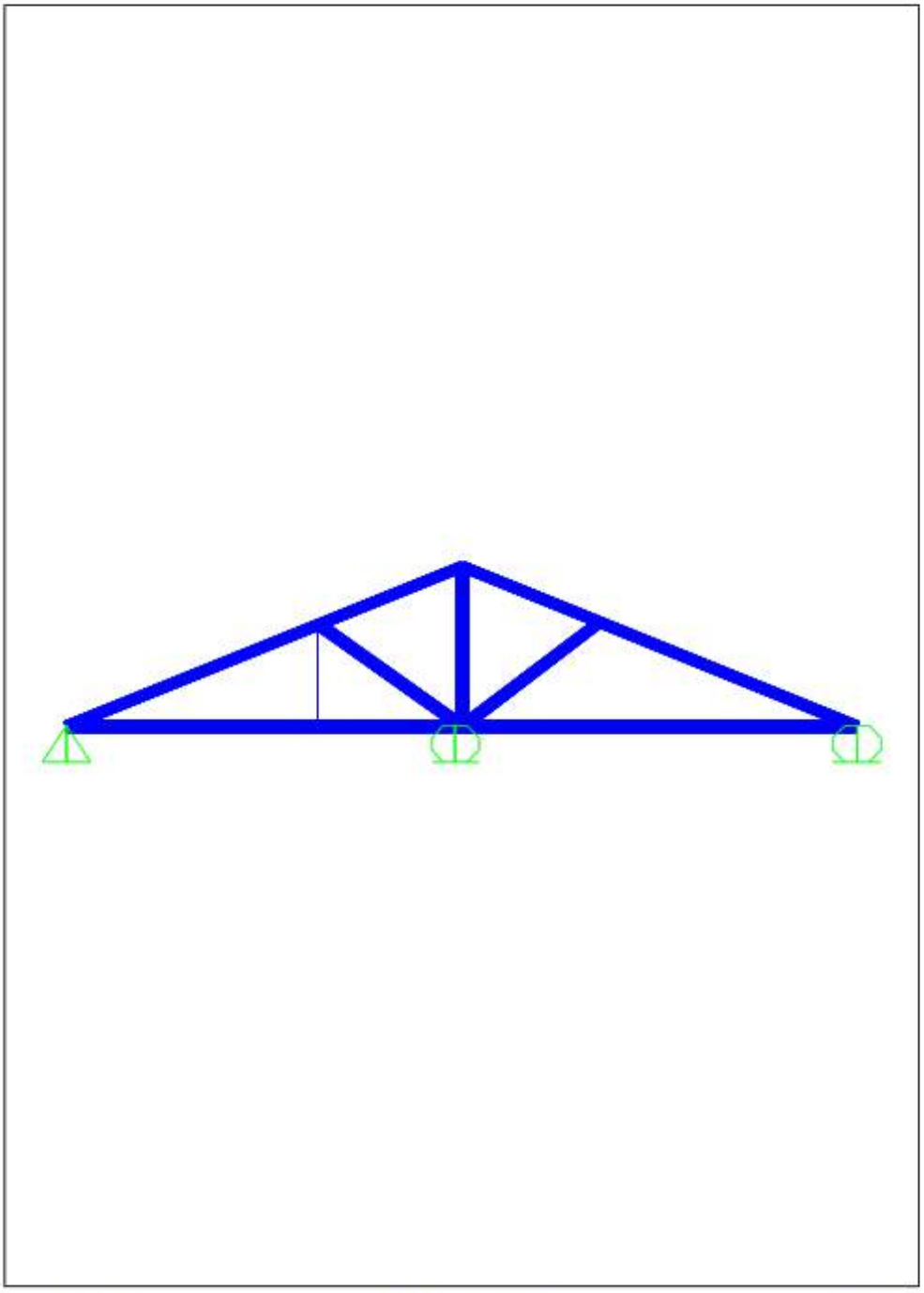
Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

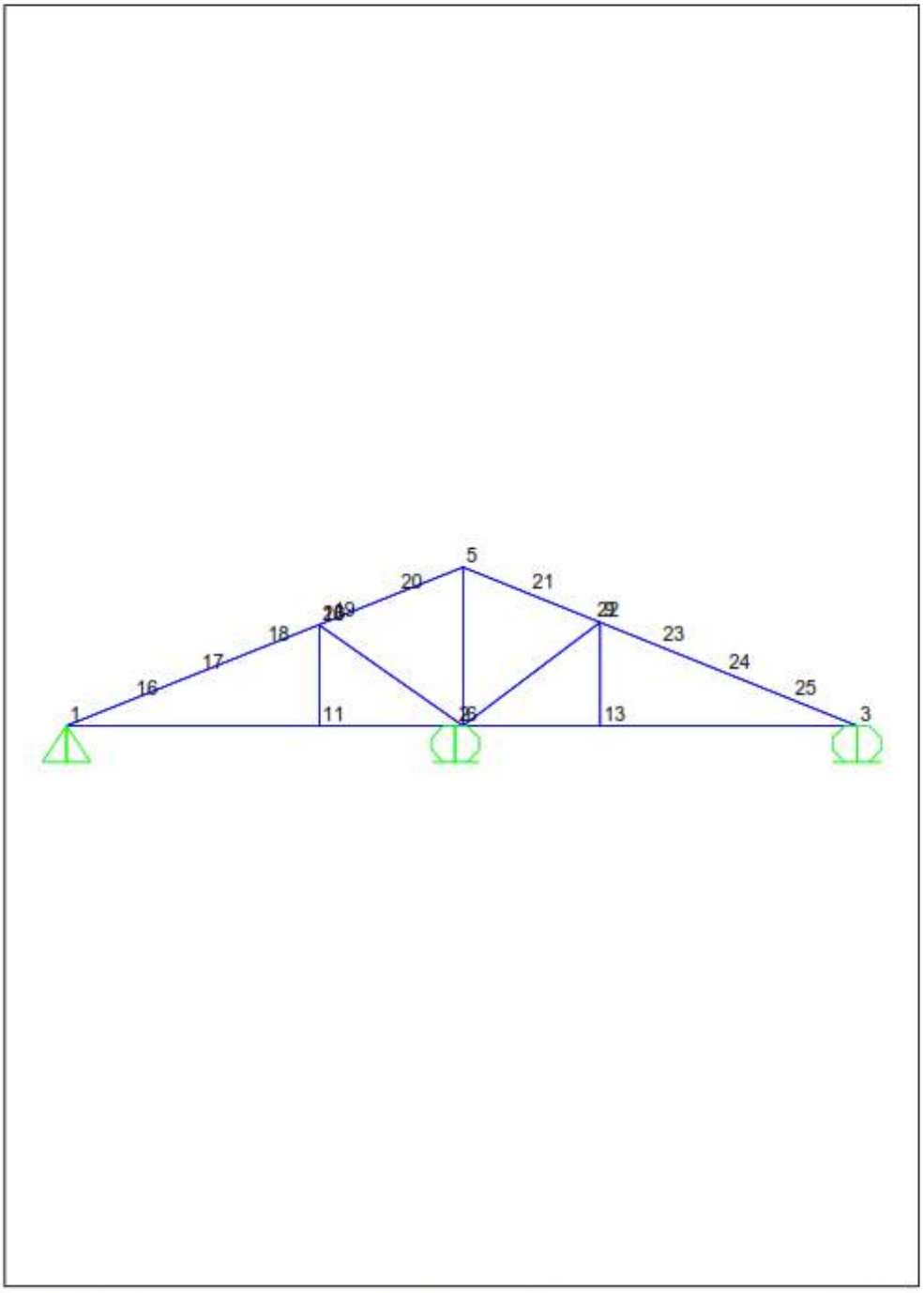
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 1.sdb

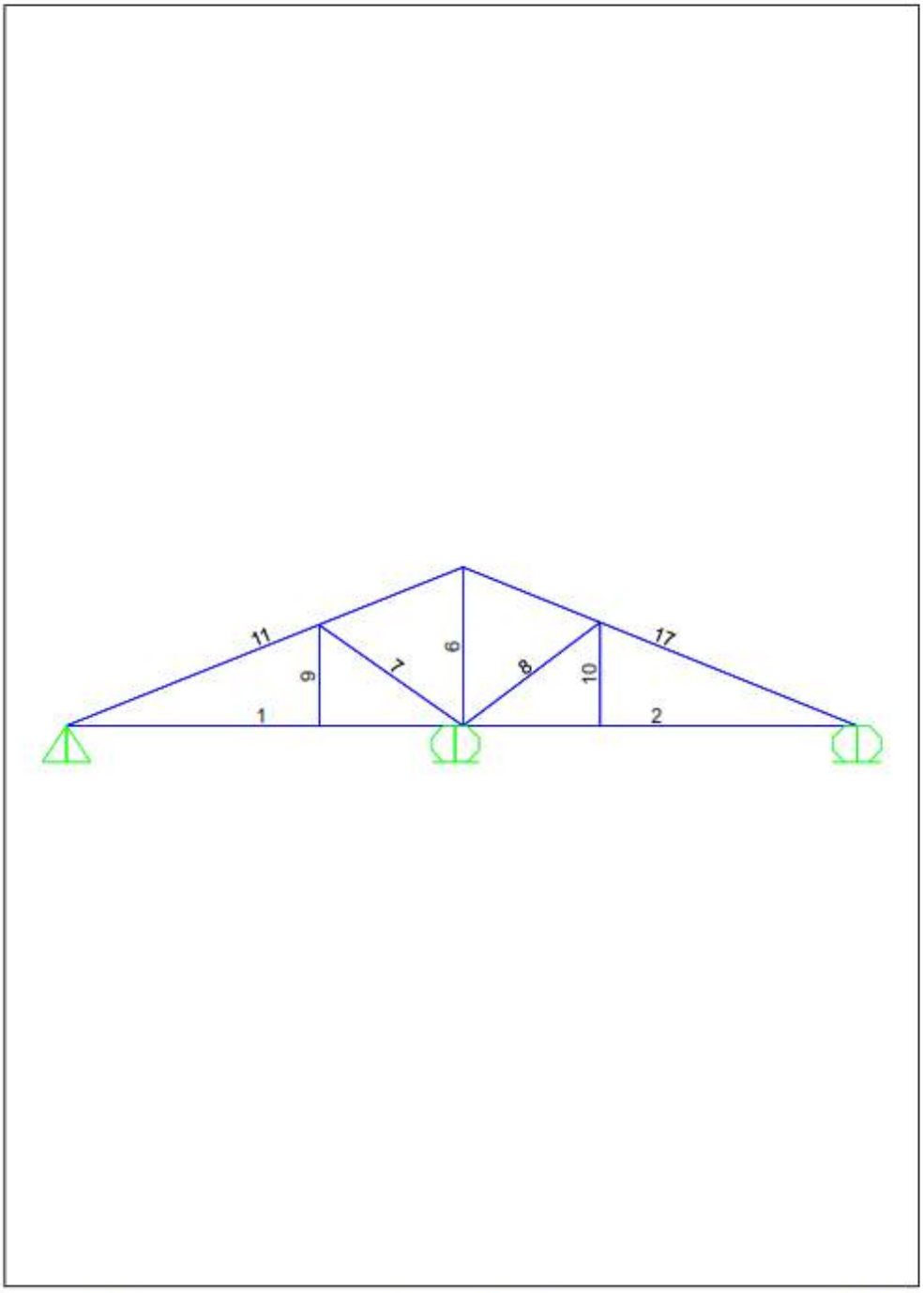


SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

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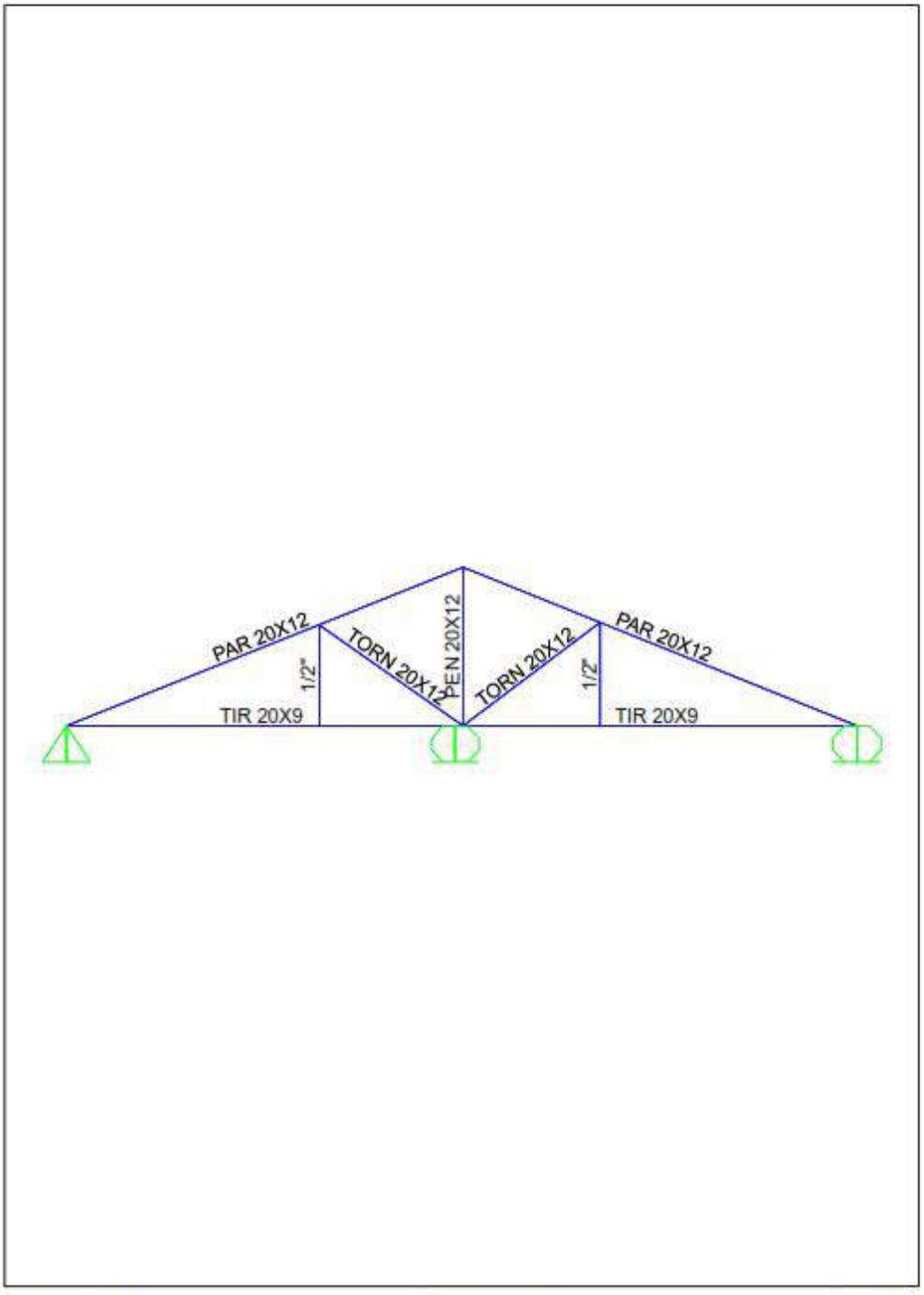


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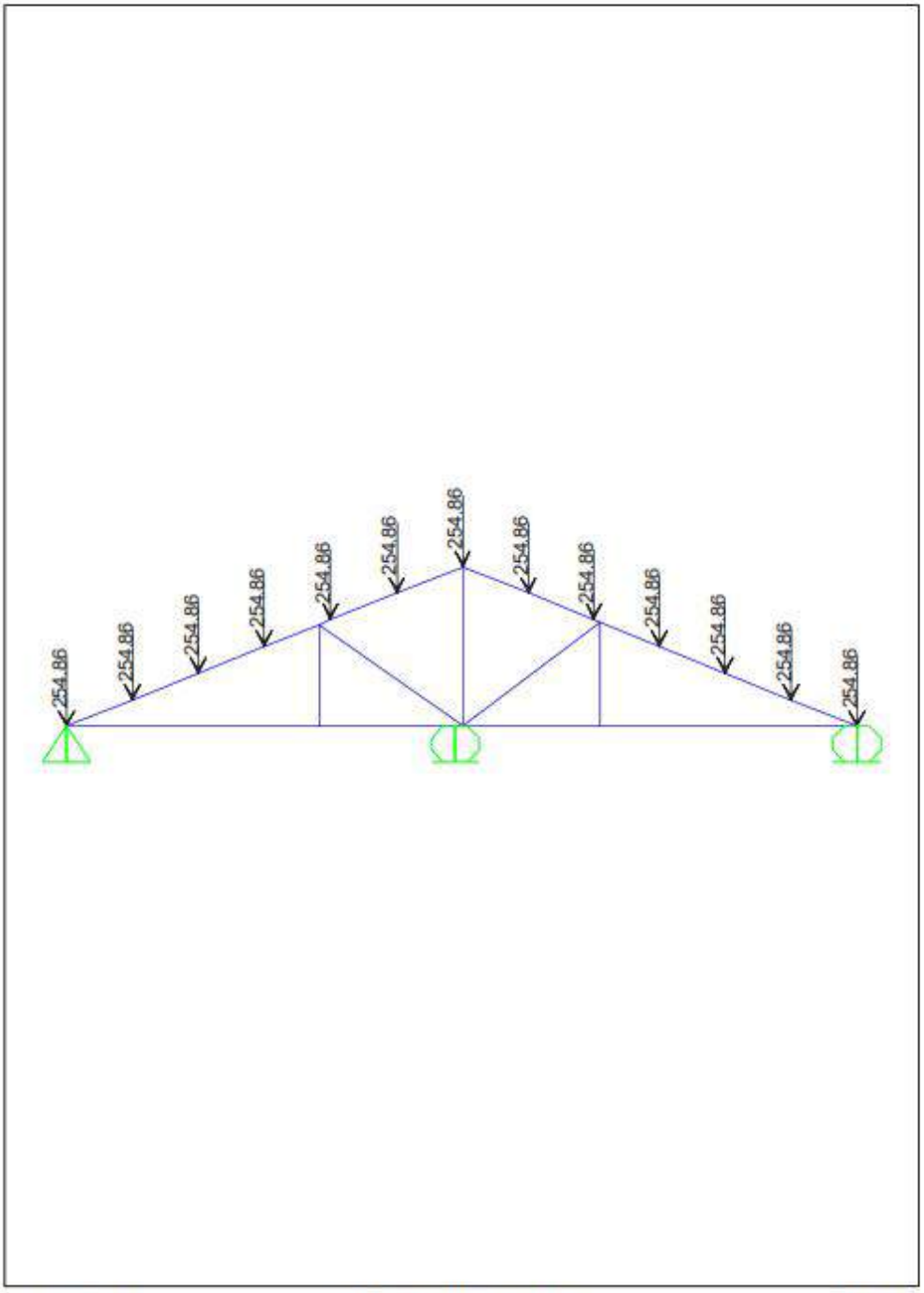
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

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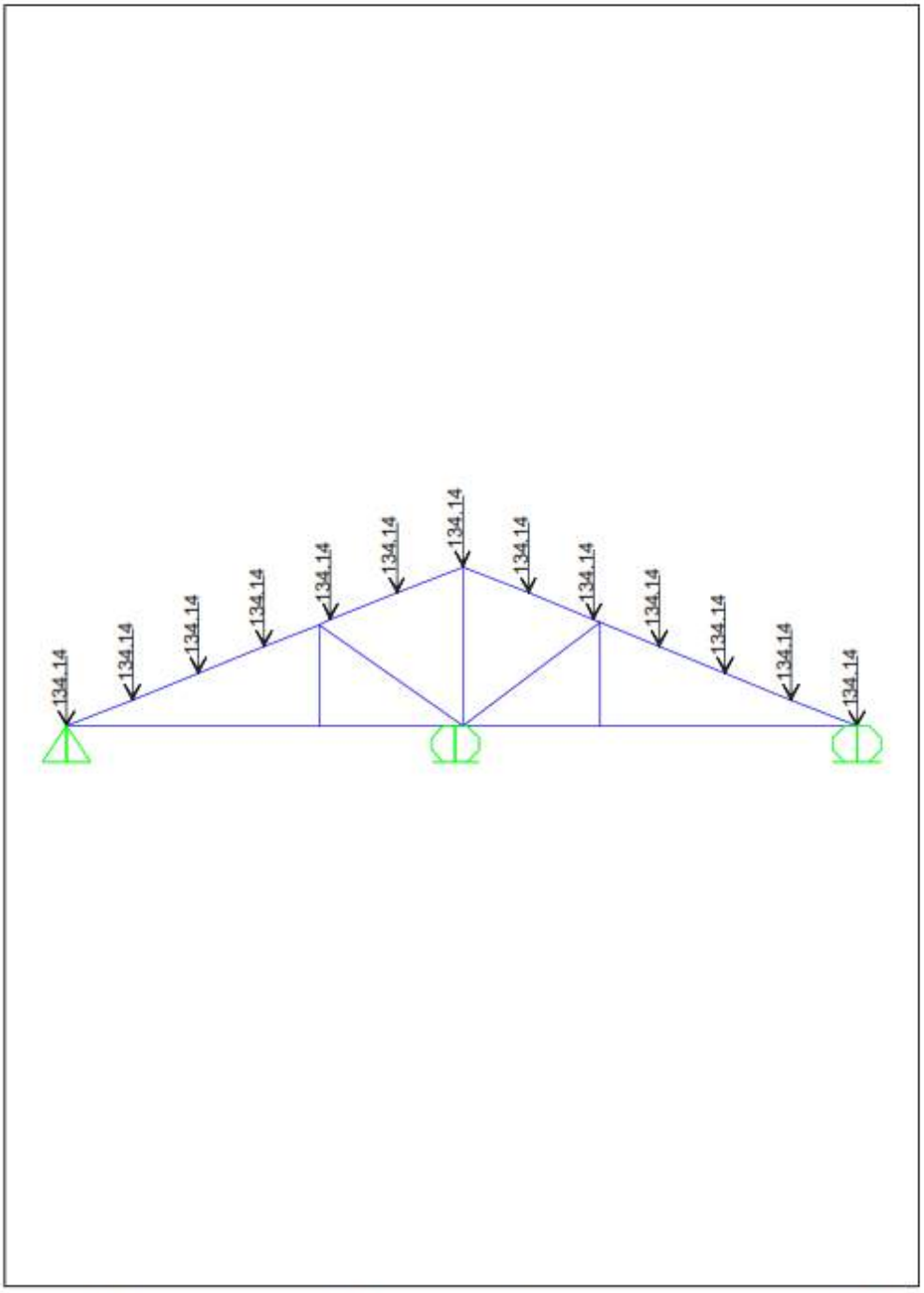
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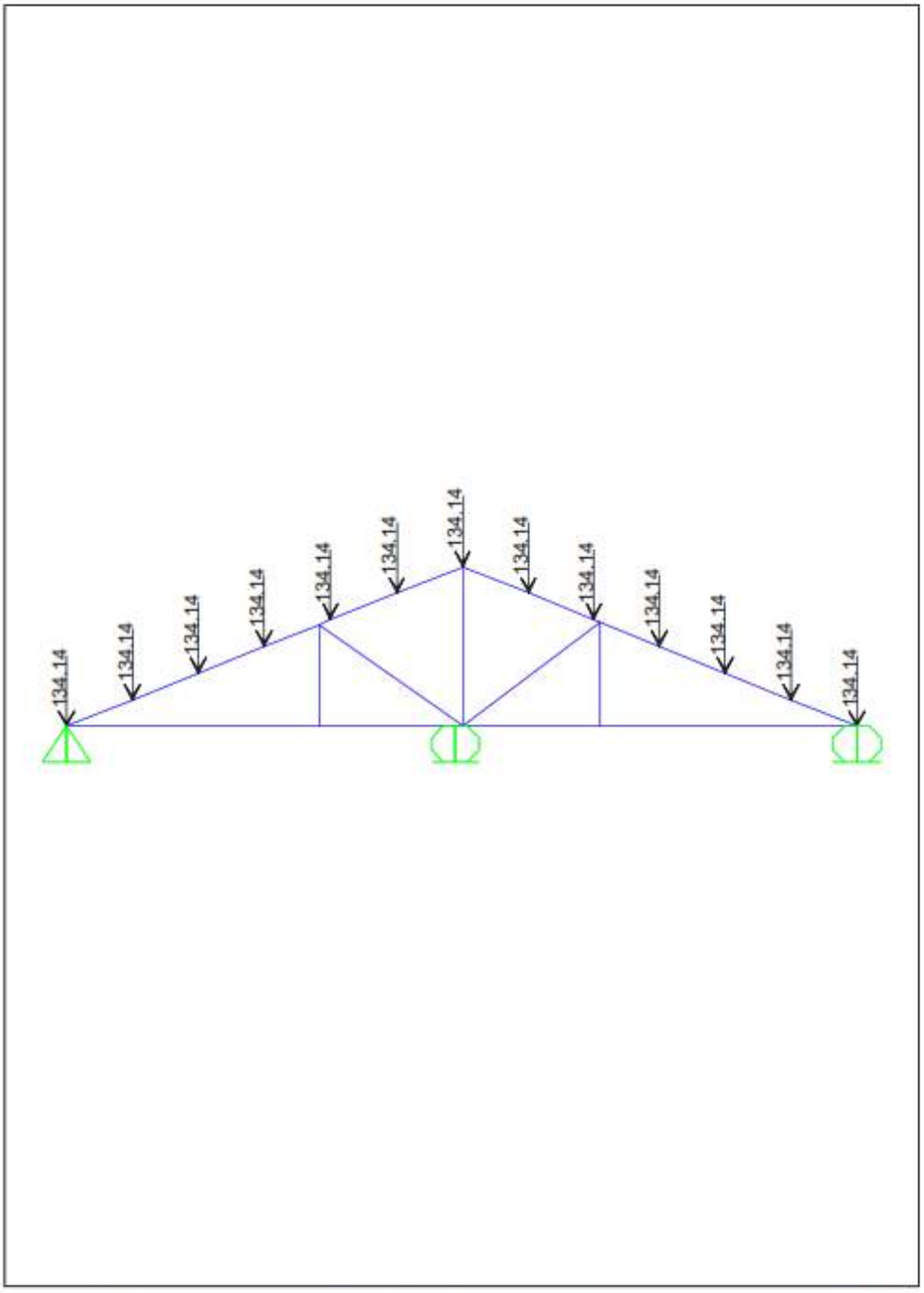
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



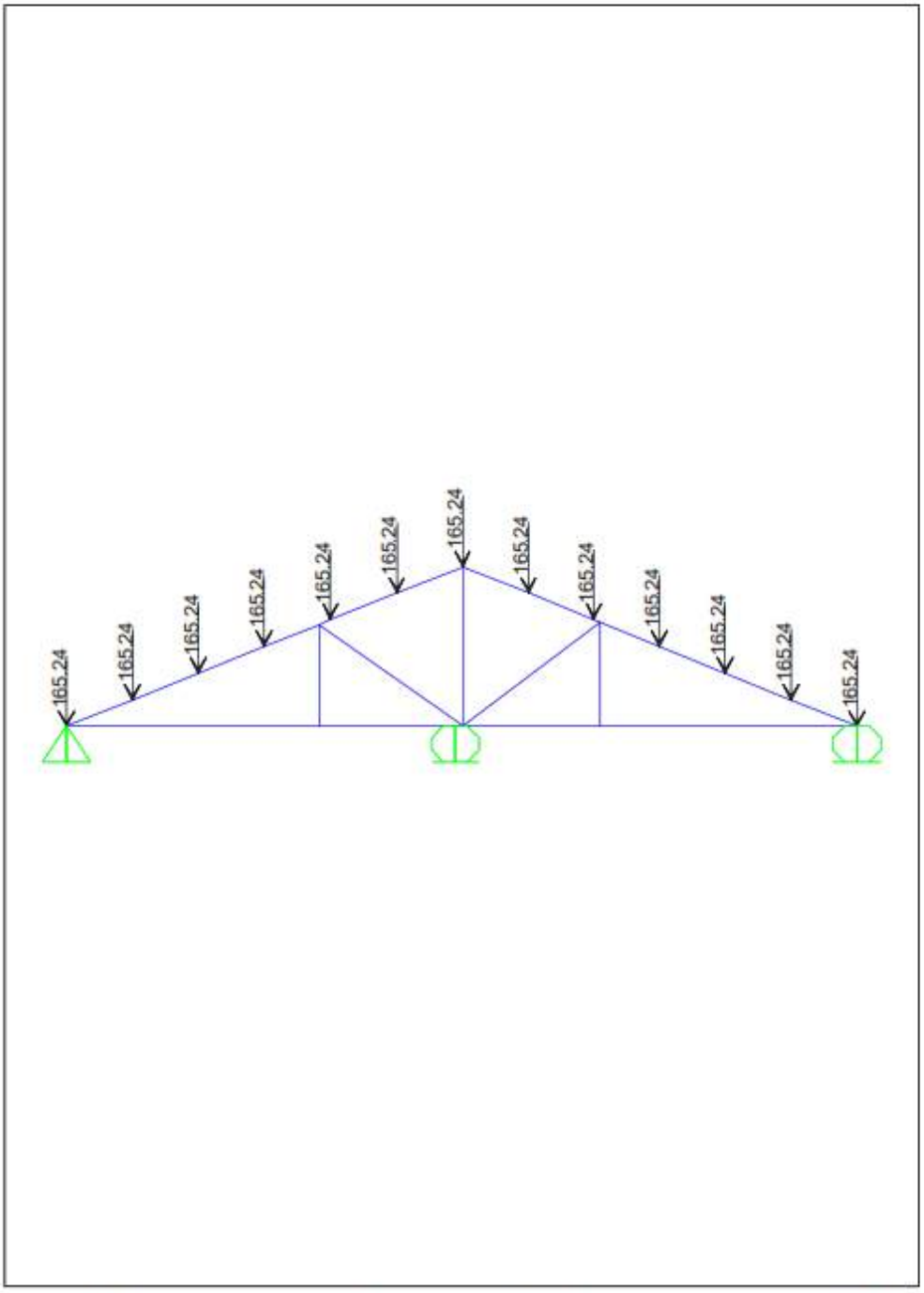
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



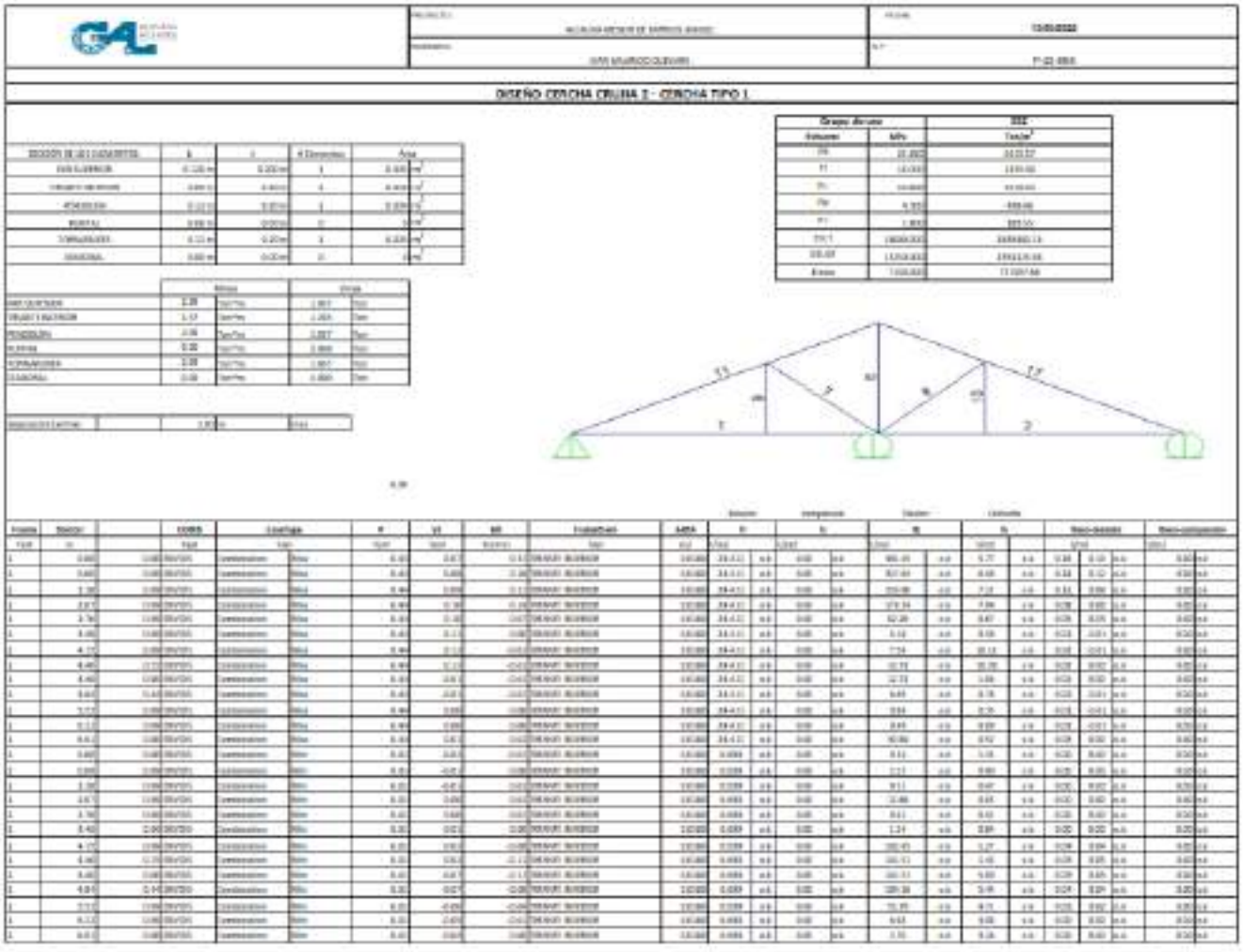
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elemetnos Grupo ES2



DISEÑO CERCHA CRUJIA 2 - CERCHA TIPO 1

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	0.00	0.00	ENVDIS	Combination	Max	0.59	0.05	0.02	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	30.89	o.k	3.82	o.k	0.02	0.00	o.k	0.00	o.k
2	0.69	0.69	ENVDIS	Combination	Max	0.59	0.05	0.00	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	0.10	o.k	4.54	o.k	0.01	-0.01	o.k	0.00	o.k
2	1.38	0.69	ENVDIS	Combination	Max	0.59	0.06	0.00	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	1.99	o.k	5.27	o.k	0.01	-0.01	o.k	0.00	o.k
2	2.06	0.69	ENVDIS	Combination	Max	0.59	0.07	-0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	8.34	o.k	5.99	o.k	0.01	0.00	o.k	0.00	o.k
2	2.40	0.34	ENVDIS	Combination	Max	0.59	0.08	-0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	13.05	o.k	6.34	o.k	0.02	0.00	o.k	0.00	o.k
2	2.40	0.00	ENVDIS	Combination	Max	0.59	-0.02	-0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	13.05	o.k	1.46	o.k	0.02	0.00	o.k	0.00	o.k
2	2.75	0.35	ENVDIS	Combination	Max	0.59	-0.01	0.00	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	5.91	o.k	1.23	o.k	0.01	-0.01	o.k	0.00	o.k
2	3.44	0.69	ENVDIS	Combination	Max	0.59	-0.01	0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	7.56	o.k	0.80	o.k	0.01	-0.01	o.k	0.00	o.k
2	4.13	0.69	ENVDIS	Combination	Max	0.59	0.00	0.08	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	102.80	o.k	0.37	o.k	0.05	0.03	o.k	0.00	o.k
2	4.82	0.69	ENVDIS	Combination	Max	0.59	0.00	0.15	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	191.09	o.k	0.06	o.k	0.08	0.06	o.k	0.00	o.k
2	5.50	0.69	ENVDIS	Combination	Max	0.59	0.01	0.22	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	271.90	o.k	0.50	o.k	0.12	0.10	o.k	0.00	o.k
2	6.19	0.69	ENVDIS	Combination	Max	0.59	0.01	0.28	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	345.28	o.k	0.93	o.k	0.14	0.12	o.k	0.00	o.k
2	6.88	0.00	ENVDIS	Combination	Max	0.59	0.02	0.33	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	411.19	o.k	1.37	o.k	0.17	0.15	o.k	0.00	o.k
2	0.00	0.00	ENVDIS	Combination	Min	0.01	-0.01	0.00	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	2.70	o.k	0.47	o.k	0.00	0.00	o.k	0.00	o.k
2	0.69	0.69	ENVDIS	Combination	Min	0.01	0.00	-0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	12.29	o.k	0.03	o.k	0.00	0.00	o.k	0.00	o.k
2	1.38	0.69	ENVDIS	Combination	Min	0.01	0.00	-0.05	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	62.90	o.k	0.40	o.k	0.02	0.02	o.k	0.00	o.k
2	2.06	0.69	ENVDIS	Combination	Min	0.01	0.01	-0.10	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	120.99	o.k	0.83	o.k	0.05	0.05	o.k	0.00	o.k
2	2.40	0.34	ENVDIS	Combination	Min	0.01	0.01	-0.12	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	151.96	o.k	1.04	o.k	0.06	0.06	o.k	0.00	o.k
2	2.40	0.00	ENVDIS	Combination	Min	0.01	-0.13	-0.12	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	151.96	o.k	10.73	o.k	0.06	0.06	o.k	0.00	o.k
2	2.75	0.35	ENVDIS	Combination	Min	0.01	-0.12	-0.08	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	96.13	o.k	10.36	o.k	0.04	0.04	o.k	0.00	o.k
2	3.44	0.69	ENVDIS	Combination	Min	0.01	-0.12	0.00	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	4.20	o.k	9.64	o.k	0.00	0.00	o.k	0.00	o.k
2	4.13	0.69	ENVDIS	Combination	Min	0.01	-0.11	0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	10.69	o.k	8.92	o.k	0.00	0.00	o.k	0.00	o.k
2	4.82	0.69	ENVDIS	Combination	Min	0.01	-0.10	0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	12.28	o.k	8.19	o.k	0.00	0.00	o.k	0.00	o.k
2	5.50	0.69	ENVDIS	Combination	Min	0.01	-0.09	0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	9.39	o.k	7.47	o.k	0.00	0.00	o.k	0.00	o.k
2	6.19	0.69	ENVDIS	Combination	Min	0.01	-0.08	0.00	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	2.03	o.k	6.75	o.k	0.00	0.00	o.k	0.00	o.k
2	6.88	0.00	ENVDIS	Combination	Min	0.01	-0.07	-0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	9.80	o.k	6.02	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Max	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.28	0.28	ENVDIS	Combination	Max	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.56	0.28	ENVDIS	Combination	Max	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.84	0.28	ENVDIS	Combination	Max	-0.04	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.48	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.12	0.28	ENVDIS	Combination	Max	-0.04	0.00	0.00	PENDOLON	0.0240	-	-	1.74	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.40	0.28	ENVDIS	Combination	Max	-0.04	0.00	0.00	PENDOLON	0.0240	-	-	1.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.67	0.28	ENVDIS	Combination	Max	-0.04	0.00	0.00	PENDOLON	0.0240	-	-	1.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.95	0.28	ENVDIS	Combination	Max	-0.03	0.00	0.00	PENDOLON	0.0240	-	-	1.39	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.23	0.28	ENVDIS	Combination	Max	-0.03	0.00	0.00	PENDOLON	0.0240	-	-	1.27	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.51	0.28	ENVDIS	Combination	Max	-0.03	0.00	0.00	PENDOLON	0.0240	-	-	1.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.79	0.00	ENVDIS	Combination	Max	-0.02	0.00	0.00	PENDOLON	0.0240	-	-	1.04	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Min	-1.70	0.00	0.00	PENDOLON	0.0240	-	-	70.95	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.28	0.28	ENVDIS	Combination	Min	-1.70	0.00	0.00	PENDOLON	0.0240	-	-	70.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.56	0.28	ENVDIS	Combination	Min	-1.69	0.00	0.00	PENDOLON	0.0240	-	-	70.56	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.84	0.28	ENVDIS	Combination	Min	-1.69	0.00	0.00	PENDOLON	0.0240	-	-	70.36	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.12	0.28	ENVDIS	Combination	Min	-1.68	0.00	0.00	PENDOLON	0.0240	-	-	70.17	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.40	0.28	ENVDIS	Combination	Min	-1.68	0.00	0.00	PENDOLON	0.0240	-	-	69.97	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.67	0.28	ENVDIS	Combination	Min	-1.67	0.00	0.00	PENDOLON	0.0240	-	-	69.78	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.95	0.28	ENVDIS	Combination	Min	-1.67	0.00	0.00	PENDOLON	0.0240	-	-	69.58	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.23	0.28	ENVDIS	Combination	Min	-1.67	0.00	0.00	PENDOLON	0.0240	-	-	69.38	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.51	0.28	ENVDIS	Combination	Min	-1.66	0.00	0.00	PENDOLON	0.0240	-	-	69.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.79	0.00	ENVDIS	Combination	Min	-1.66	0.00	0.00	PENDOLON	0.0240	-	-	69.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Max	-0.07	-0.01	0.00	PENDOLON	0.0240	-	-	2.73	o.k	0.00	-	0.79	o.k	-	-	o.k	0.00	o.k
7	0.31	0.31	ENVDIS	Combination	Max	-0.06	-0.01	0.01	PENDOLON	0.0240	-	-	2.66	o.k	7.28	o.k	0.63	o.k	-	-	o.k	0.00	o.k
7	0.61	0.31	ENVDIS	Combination	Max	-0.06	-0.01	0.01	PENDOLON	0.0240	-	-	2.58	o.k	12.94	o.k	0.47	o.k	-	-	o.k	0.00	o.k
7	0.92	0.31	ENVDIS	Combination	Max	-0.06	-0.01	0.01	PENDOLON	0.0240	-	-	2.51	o.k	16.99	o.k	0.32	o.k	-	-	o.k	0.01	o.k
7	1.23	0.31	ENVDIS	Combination	Max	-0.06	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.44	o.k	19.41	o.k	0.16	o.k	-	-	o.k	0.01	o.k
7	1.54	0.31	ENVDIS	Combination	Max	-0.06	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.36	o.k	20.23	o.k	0.00	o.k	-	-	o.k	0.01	o.k
7	1.84	0.31	ENVDIS	Combination	Max	-0.05	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.29	o.k	19.41	o.k	0.26	o.k	-	-	o.k	0.01	o.k
7	2.15	0.31	ENVDIS	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.21	o.k	16.99	o.k	0.52	o.k	-	-	o.k	0.01	o.k
7	2.46	0.31	ENVDIS	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.14	o.k	12.94	o.k	0.79	o.k	-	-	o.k	0.00	o.k
7	2.77	0.31	ENVDIS	Combination	Max	-0.05	0.02	0.01	TORNAPUNTA	0.0240	-	-	2.08	o.k	7.28	o.k	1.05	o.k	-	-	o.k	0.00	o.k
7	3.07	0.00	ENVDIS	Combination	Max	-0.05	0.02	0.00	TORNAPUNTA	0.0240	-	-	1.99	o.k	0.00	o.k	1.32	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Min	-2.29	-0.02	0.00	TORNAPUNTA	0.0240	-	-	95.25	o.k	0.00	-	1.32	o.k	-	-	o.k	0.00	o.k
7	0.31	0.31	ENVDIS	Combination	Min	-2.28	-0.02	0.00	TORNAPUNTA	0.0240	-	-	95.13	o.k	4.36	o.k	1.05	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
7	0.61	0.31	ENVDIS	Combination	Min	-2.28	-0.01	0.01	TORNAPUNTA	0.0240	-	-	95.00	o.k	7.76	o.k	0.79	o.k	-	-	o.k	0.01	o.k
7	0.92	0.31	ENVDIS	Combination	Min	-2.28	-0.01	0.01	TORNAPUNTA	0.0240	-	-	94.88	o.k	10.19	o.k	0.52	o.k	-	-	o.k	0.01	o.k
7	1.25	0.31	ENVDIS	Combination	Min	-2.27	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.75	o.k	11.65	o.k	0.26	o.k	-	-	o.k	0.01	o.k
7	1.54	0.31	ENVDIS	Combination	Min	-2.27	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.63	o.k	12.14	o.k	0.00	o.k	-	-	o.k	0.01	o.k
7	1.84	0.31	ENVDIS	Combination	Min	-2.27	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.51	o.k	11.65	o.k	0.16	o.k	-	-	o.k	0.01	o.k
7	2.15	0.31	ENVDIS	Combination	Min	-2.27	0.01	0.01	TORNAPUNTA	0.0240	-	-	94.38	o.k	10.19	o.k	0.32	o.k	-	-	o.k	0.01	o.k
7	2.46	0.31	ENVDIS	Combination	Min	-2.26	0.01	0.01	TORNAPUNTA	0.0240	-	-	94.26	o.k	7.76	o.k	0.47	o.k	-	-	o.k	0.01	o.k
7	2.77	0.31	ENVDIS	Combination	Min	-2.26	0.01	0.00	TORNAPUNTA	0.0240	-	-	94.13	o.k	4.36	o.k	0.63	o.k	-	-	o.k	0.00	o.k
7	3.07	0.00	ENVDIS	Combination	Min	-2.26	0.01	0.00	TORNAPUNTA	0.0240	-	-	94.01	o.k	0.00	o.k	0.79	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Max	-0.06	-0.01	0.00	TORNAPUNTA	0.0240	-	-	2.69	o.k	0.00	-	0.76	o.k	-	-	o.k	0.00	o.k
8	0.30	0.30	ENVDIS	Combination	Max	-0.06	-0.01	0.01	TORNAPUNTA	0.0240	-	-	2.61	o.k	6.83	o.k	0.61	o.k	-	-	o.k	0.00	o.k
8	0.60	0.30	ENVDIS	Combination	Max	-0.06	-0.01	0.01	TORNAPUNTA	0.0240	-	-	2.53	o.k	12.13	o.k	0.46	o.k	-	-	o.k	0.00	o.k
8	0.90	0.30	ENVDIS	Combination	Max	-0.06	0.00	0.01	TORNAPUNTA	0.0240	-	-	2.46	o.k	15.93	o.k	0.30	o.k	-	-	o.k	0.01	o.k
8	1.20	0.30	ENVDIS	Combination	Max	-0.06	0.00	0.01	TORNAPUNTA	0.0240	-	-	2.38	o.k	18.20	o.k	0.15	o.k	-	-	o.k	0.01	o.k
8	1.50	0.30	ENVDIS	Combination	Max	-0.06	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.30	o.k	18.95	o.k	0.00	o.k	-	-	o.k	0.01	o.k
8	1.81	0.30	ENVDIS	Combination	Max	-0.05	0.00	0.01	TORNAPUNTA	0.0240	-	-	2.23	o.k	18.20	o.k	0.25	o.k	-	-	o.k	0.01	o.k
8	2.11	0.30	ENVDIS	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.15	o.k	15.93	o.k	0.51	o.k	-	-	o.k	0.01	o.k
8	2.41	0.30	ENVDIS	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.08	o.k	12.13	o.k	0.76	o.k	-	-	o.k	0.00	o.k
8	2.71	0.30	ENVDIS	Combination	Max	-0.05	0.02	0.01	TORNAPUNTA	0.0240	-	-	2.00	o.k	6.83	o.k	1.01	o.k	-	-	o.k	0.00	o.k
8	3.01	0.00	ENVDIS	Combination	Max	-0.05	0.02	0.00	TORNAPUNTA	0.0240	-	-	1.93	o.k	0.00	o.k	1.26	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Min	-2.27	-0.02	0.00	TORNAPUNTA	0.0240	-	-	94.64	o.k	0.00	-	1.26	o.k	-	-	o.k	0.00	o.k
8	0.30	0.30	ENVDIS	Combination	Min	-2.27	-0.02	0.00	TORNAPUNTA	0.0240	-	-	94.51	o.k	4.09	o.k	1.01	o.k	-	-	o.k	0.00	o.k
8	0.60	0.30	ENVDIS	Combination	Min	-2.27	-0.01	0.01	TORNAPUNTA	0.0240	-	-	94.38	o.k	7.28	o.k	0.76	o.k	-	-	o.k	0.00	o.k
8	0.90	0.30	ENVDIS	Combination	Min	-2.26	-0.01	0.01	TORNAPUNTA	0.0240	-	-	94.25	o.k	9.55	o.k	0.51	o.k	-	-	o.k	0.01	o.k
8	1.20	0.30	ENVDIS	Combination	Min	-2.26	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.13	o.k	10.91	o.k	0.25	o.k	-	-	o.k	0.01	o.k
8	1.50	0.30	ENVDIS	Combination	Min	-2.26	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.00	o.k	11.38	o.k	0.00	o.k	-	-	o.k	0.01	o.k
8	1.81	0.30	ENVDIS	Combination	Min	-2.25	0.00	0.01	TORNAPUNTA	0.0240	-	-	93.88	o.k	10.91	o.k	0.15	o.k	-	-	o.k	0.01	o.k
8	2.11	0.30	ENVDIS	Combination	Min	-2.25	0.00	0.01	TORNAPUNTA	0.0240	-	-	93.75	o.k	9.55	o.k	0.30	o.k	-	-	o.k	0.01	o.k
8	2.41	0.30	ENVDIS	Combination	Min	-2.25	0.01	0.01	TORNAPUNTA	0.0240	-	-	93.62	o.k	7.28	o.k	0.46	o.k	-	-	o.k	0.00	o.k
8	2.71	0.30	ENVDIS	Combination	Min	-2.24	0.01	0.00	TORNAPUNTA	0.0240	-	-	93.49	o.k	4.09	o.k	0.61	o.k	-	-	o.k	0.00	o.k
8	3.01	0.00	ENVDIS	Combination	Min	-2.24	0.01	0.00	TORNAPUNTA	0.0240	-	-	93.37	o.k	0.00	o.k	0.76	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.142	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.18	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.150	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.36	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.154	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.53	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.163	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.71	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.894	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
9	0.89	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.908	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
9	1.07	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.911	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
9	1.24	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.922	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
9	1.42	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.933	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
9	1.60	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.944	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
9	1.78	#N/D	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.950	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.661	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.18	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.667	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.36	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.672	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.53	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.678	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.71	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.683	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.89	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.694	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.07	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.700	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.24	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.706	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.42	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.711	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.60	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.717	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.78	#N/D	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.722	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.00	0.00	ENVDIS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	11.383	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	0.18	#N/D	ENVDIS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.389	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	0.36	#N/D	ENVDIS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.400	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	0.55	#N/D	ENVDIS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.411	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	0.73	#N/D	ENVDIS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.422	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	0.91	#N/D	ENVDIS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.433	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	1.09	#N/D	ENVDIS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.439	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	1.27	#N/D	ENVDIS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.450	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k

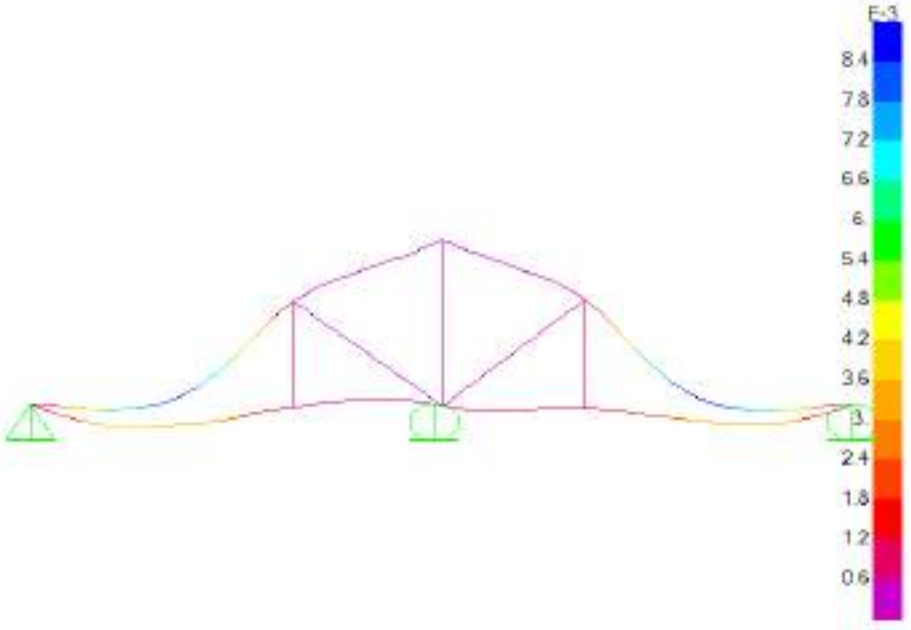
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
10	1.45	#N/D	ENVDIS	Combinación	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.461	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	1.64	#N/D	ENVDIS	Combinación	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.472	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	1.82	#N/D	ENVDIS	Combinación	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.483	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
10	0.00	0.00	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.667	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.18	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.672	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.36	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.683	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.55	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.689	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.73	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.694	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.91	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.700	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.09	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.706	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.27	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.711	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.45	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.717	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.64	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.722	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.82	#N/D	ENVDIS	Combinación	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.728	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVDIS	Combinación	Max	-0.01	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	0.77	o.k	9.54	o.k	0.30	o.k	-	-	o.k	0.00	o.k
11	0.75	0.75	ENVDIS	Combinación	Max	-0.01	0.00	0.13	TIRANTE INFERIOR	0.0180	-	-	0.61	o.k	161.05	o.k	0.28	o.k	-	-	o.k	0.06	o.k
11	1.24	0.50	ENVDIS	Combinación	Max	-0.01	0.01	0.42	TIRANTE INFERIOR	0.0180	-	-	0.51	o.k	525.38	o.k	0.87	o.k	-	-	o.k	0.20	o.k
11	1.24	0.00	ENVDIS	Combinación	Max	-0.01	0.00	0.42	TIRANTE INFERIOR	0.0180	-	-	0.77	o.k	525.38	o.k	0.28	o.k	-	-	o.k	0.20	o.k
11	1.49	0.25	ENVDIS	Combinación	Max	-0.01	0.00	0.45	TIRANTE INFERIOR	0.0180	-	-	0.71	o.k	564.71	o.k	0.09	o.k	-	-	o.k	0.22	o.k
11	2.24	0.75	ENVDIS	Combinación	Max	-0.01	0.01	0.55	TIRANTE INFERIOR	0.0180	-	-	0.56	o.k	681.50	o.k	0.49	o.k	-	-	o.k	0.26	o.k
11	2.48	0.25	ENVDIS	Combinación	Max	-0.01	0.01	0.57	TIRANTE INFERIOR	0.0180	-	-	0.51	o.k	718.04	o.k	0.68	o.k	-	-	o.k	0.27	o.k
11	2.48	0.00	ENVDIS	Combinación	Max	-0.01	0.55	0.57	TIRANTE INFERIOR	0.0180	-	-	0.76	o.k	718.04	o.k	27.40	o.k	-	-	o.k	0.27	o.k
11	2.98	0.50	ENVDIS	Combinación	Max	-0.01	0.54	0.41	TIRANTE INFERIOR	0.0180	-	-	0.66	o.k	511.44	o.k	28.05	o.k	-	-	o.k	0.20	o.k
11	3.73	0.75	ENVDIS	Combinación	Max	-0.01	0.55	0.15	TIRANTE INFERIOR	0.0180	-	-	0.50	o.k	192.53	o.k	29.02	o.k	-	-	o.k	0.07	o.k
11	3.73	0.00	ENVDIS	Combinación	Max	-0.01	0.79	0.15	TIRANTE INFERIOR	0.0180	-	-	0.76	o.k	192.53	o.k	66.06	o.k	-	-	o.k	0.07	o.k
11	4.47	0.75	ENVDIS	Combinación	Max	-0.01	0.80	0.00	TIRANTE INFERIOR	0.0180	-	-	0.60	o.k	2.18	o.k	67.02	o.k	-	-	o.k	0.00	o.k
11	4.75	0.27	ENVDIS	Combinación	Max	-0.01	0.81	0.00	TIRANTE INFERIOR	0.0180	-	-	0.54	o.k	5.96	o.k	67.58	o.k	-	-	o.k	0.00	o.k
11	4.75	0.00	ENVDIS	Combinación	Max	0.00	0.99	0.00	TIRANTE INFERIOR	0.0180	0.100	o.k	0.00	o.k	5.96	o.k	82.62	o.k	0.00	0.00	o.k	0.00	o.k
11	4.75	0.00	ENVDIS	Combinación	Max	0.00	0.99	0.00	TIRANTE INFERIOR	0.0180	0.100	o.k	0.00	o.k	4.10	o.k	82.62	o.k	0.00	0.00	o.k	0.00	o.k
11	4.75	0.00	ENVDIS	Combinación	Max	1.16	0.00	0.00	TIRANTE INFERIOR	0.0180	64.561	o.k	0.00	o.k	4.10	o.k	0.16	o.k	0.04	-0.02	o.k	0.00	o.k
11	4.97	0.22	ENVDIS	Combinación	Max	1.16	0.00	0.00	TIRANTE INFERIOR	0.0180	64.639	o.k	0.00	o.k	4.90	o.k	0.32	o.k	0.04	-0.02	o.k	0.00	o.k
11	4.97	0.00	ENVDIS	Combinación	Max	1.34	-0.01	0.00	TIRANTE INFERIOR	0.0180	74.611	o.k	0.00	o.k	4.90	o.k	0.62	o.k	0.04	-0.03	o.k	0.00	o.k
11	5.22	0.25	ENVDIS	Combinación	Max	1.34	-0.01	0.00	TIRANTE INFERIOR	0.0180	74.694	o.k	0.00	o.k	2.94	o.k	0.43	o.k	0.04	-0.03	o.k	0.00	o.k
11	5.96	0.75	ENVDIS	Combinación	Max	1.35	0.00	0.00	TIRANTE INFERIOR	0.0180	74.956	o.k	0.00	o.k	1.39	o.k	0.15	o.k	0.04	-0.03	o.k	0.00	o.k
11	6.21	0.25	ENVDIS	Combinación	Max	1.35	0.00	0.08	TIRANTE INFERIOR	0.0180	75.044	o.k	0.00	o.k	95.30	o.k	0.34	o.k	0.08	0.01	o.k	0.00	o.k
11	6.21	0.00	ENVDIS	Combinación	Max	1.53	0.02	0.08	TIRANTE INFERIOR	0.0180	85.017	o.k	0.00	o.k	95.30	o.k	1.28	o.k	0.08	0.00	o.k	0.00	o.k
11	6.71	0.50	ENVDIS	Combinación	Max	1.53	0.02	0.07	TIRANTE INFERIOR	0.0180	85.189	o.k	0.00	o.k	83.35	o.k	1.92	o.k	0.08	0.00	o.k	0.00	o.k
11	7.45	0.00	ENVDIS	Combinación	Max	1.54	0.05	0.05	TIRANTE INFERIOR	0.0180	85.450	o.k	0.00	o.k	56.43	o.k	2.89	o.k	0.07	-0.01	o.k	0.00	o.k
11	0.00	0.00	ENVDIS	Combinación	Min	-0.72	-0.60	-0.51	TIRANTE INFERIOR	0.0180	-	-	39.76	o.k	391.45	o.k	49.91	o.k	-	-	o.k	0.15	o.k
11	0.75	0.75	ENVDIS	Combinación	Min	-0.71	-0.59	0.01	TIRANTE INFERIOR	0.0180	-	-	39.50	o.k	9.44	o.k	48.94	o.k	-	-	o.k	0.00	o.k
11	1.24	0.50	ENVDIS	Combinación	Min	-0.71	-0.58	0.00	TIRANTE INFERIOR	0.0180	-	-	39.33	o.k	5.91	o.k	48.50	o.k	-	-	o.k	0.00	o.k
11	1.24	0.00	ENVDIS	Combinación	Min	-0.53	-0.14	0.00	TIRANTE INFERIOR	0.0180	-	-	29.36	o.k	5.91	o.k	11.26	o.k	-	-	o.k	0.00	o.k
11	1.49	0.25	ENVDIS	Combinación	Min	-0.53	-0.15	0.01	TIRANTE INFERIOR	0.0180	-	-	29.27	o.k	6.61	o.k	10.95	o.k	-	-	o.k	0.00	o.k
11	2.24	0.75	ENVDIS	Combinación	Min	-0.52	-0.12	0.00	TIRANTE INFERIOR	0.0180	-	-	29.01	o.k	4.39	o.k	9.97	o.k	-	-	o.k	0.00	o.k
11	2.48	0.25	ENVDIS	Combinación	Min	-0.52	-0.12	0.00	TIRANTE INFERIOR	0.0180	-	-	28.92	o.k	2.20	o.k	9.64	o.k	-	-	o.k	0.00	o.k
11	2.48	0.00	ENVDIS	Combinación	Min	-0.54	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	18.95	o.k	2.20	o.k	0.27	o.k	-	-	o.k	0.00	o.k
11	2.98	0.50	ENVDIS	Combinación	Min	-0.54	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	18.77	o.k	2.78	o.k	0.12	o.k	-	-	o.k	0.00	o.k
11	3.73	0.75	ENVDIS	Combinación	Min	-0.33	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	18.52	o.k	1.79	o.k	0.70	o.k	-	-	o.k	0.00	o.k
11	3.73	0.00	ENVDIS	Combinación	Min	-0.15	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	8.54	o.k	1.79	o.k	0.26	o.k	-	-	o.k	0.00	o.k
11	4.47	0.75	ENVDIS	Combinación	Min	-0.15	0.00	-0.44	TIRANTE INFERIOR	0.0180	-	-	8.28	o.k	551.28	o.k	0.32	o.k	-	-	o.k	0.21	o.k
11	4.75	0.27	ENVDIS	Combinación	Min	-0.15	0.01	-0.66	TIRANTE INFERIOR	0.0180	-	-	8.19	o.k	827.40	o.k	0.54	o.k	-	-	o.k	0.32	o.k
11	4.75	0.00	ENVDIS	Combinación	Min	-0.07	0.04	-0.66	TIRANTE INFERIOR	0.0180	-	-	4.09	o.k	827.40	o.k	2.93	o.k	-	-	o.k	0.32	o.k
11	4.75	0.00	ENVDIS	Combinación	Min	-0.07	0.04	-0.67	TIRANTE INFERIOR	0.0180	-	-	4.08	o.k	851.54	o.k	2.93	o.k	-	-	o.k	0.32	o.k
11	4.75	0.00	ENVDIS	Combinación	Min	0.04	-0.90	-0.67	TIRANTE INFERIOR	0.0180	2.122	o.k	0.00	o.k	851.54	o.k	74.71	o.k	0.32	0.32	o.k	0.00	o.k
11	4.97	0.22	ENVDIS	Combinación	Min	0.04	-0.89	-0.47	TIRANTE INFERIOR	0.0180	2.167	o.k	0.00	o.k	586.00	o.k	74.42	o.k	0.23	0.22	o.k	0.00	o.k
11	4.97	0.00	ENVDIS	Combinación	Min	0.03	-0.45	-0.47	TIRANTE INFERIOR	0.0180	1.911	o.k	0.00	o.k	586.00	o.k	37.37	o.k	0.23	0.22	o.k	0.00	o.k
11	5.22	0.25	ENVDIS	Combinación	Min	0.04	-0.44	-0.36	TIRANTE INFERIOR	0.0180	1.967	o.k	0.00	o.k	447.34	o.k	37.05	o.k	0.17	0.17	o.k	0.00	o.k
11	5.96	0.75	ENVDIS	Combinación	Min	0.04	-0.43	-0.03	TIRANTE INFERIOR	0.0180	2.122	o.k	0.00	o.k	38.56	o.k	36.08	o.k	0.02	0.01	o.k	0.00	o.k
11	6.21	0.25	ENVDIS	Combinación	Min	0.04	-0.43	0.00	TIRANTE INFERIOR	0.0180	2.172	o.k	0.00	o.k	2.30	o.k	35.77	o.k	0.00	0.00	o.k	0.00	o.k
11	6.21	0.00	ENVDIS	Combinación	Min	0.03	-0.01	0.00	TIRANTE INFERIOR	0.0180	1.917	o.k	0.00	o.k	2.30	o.k	0.61	o.k	0.00	0.00	o.k	0.00	o.k
11	6.71	0.50	ENVDIS	Combinación	Min	0.04	0.00	0.00	TIRANTE INFERIOR	0.0180	2.022	o.k	0.00	o.k	0.79	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	7.45	0.00	ENVOIS	Combination	Min	0.04	0.00	0.00	TIRANTE INFERIOR	0.0180	2.178	o.k	0.00	o.k	0.02	o.k	0.36	o.k	0.00	0.00	o.k	0.00	o.k
17	0.00	0.00	ENVOIS	Combination	Max	1.52	0.00	0.05	TIRANTE INFERIOR	0.0180	84.622	o.k	0.00	o.k	56.43	o.k	0.36	o.k	0.07	-0.01	o.k	0.00	o.k
17	0.74	0.74	ENVOIS	Combination	Max	1.52	0.02	0.04	TIRANTE INFERIOR	0.0180	84.567	o.k	0.00	o.k	47.08	o.k	1.32	o.k	0.06	-0.01	o.k	0.00	o.k
17	1.24	0.49	ENVOIS	Combination	Max	1.52	0.02	0.03	TIRANTE INFERIOR	0.0180	84.189	o.k	0.00	o.k	34.88	o.k	1.97	o.k	0.06	-0.02	o.k	0.00	o.k
17	1.24	0.00	ENVOIS	Combination	Max	1.54	0.47	0.03	TIRANTE INFERIOR	0.0180	74.183	o.k	0.00	o.k	34.88	o.k	58.98	o.k	0.05	-0.02	o.k	0.00	o.k

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: **12/05/2022**
	INGENIERO: IVAN MAURICIO GUEVARA	N.P : P-22-696

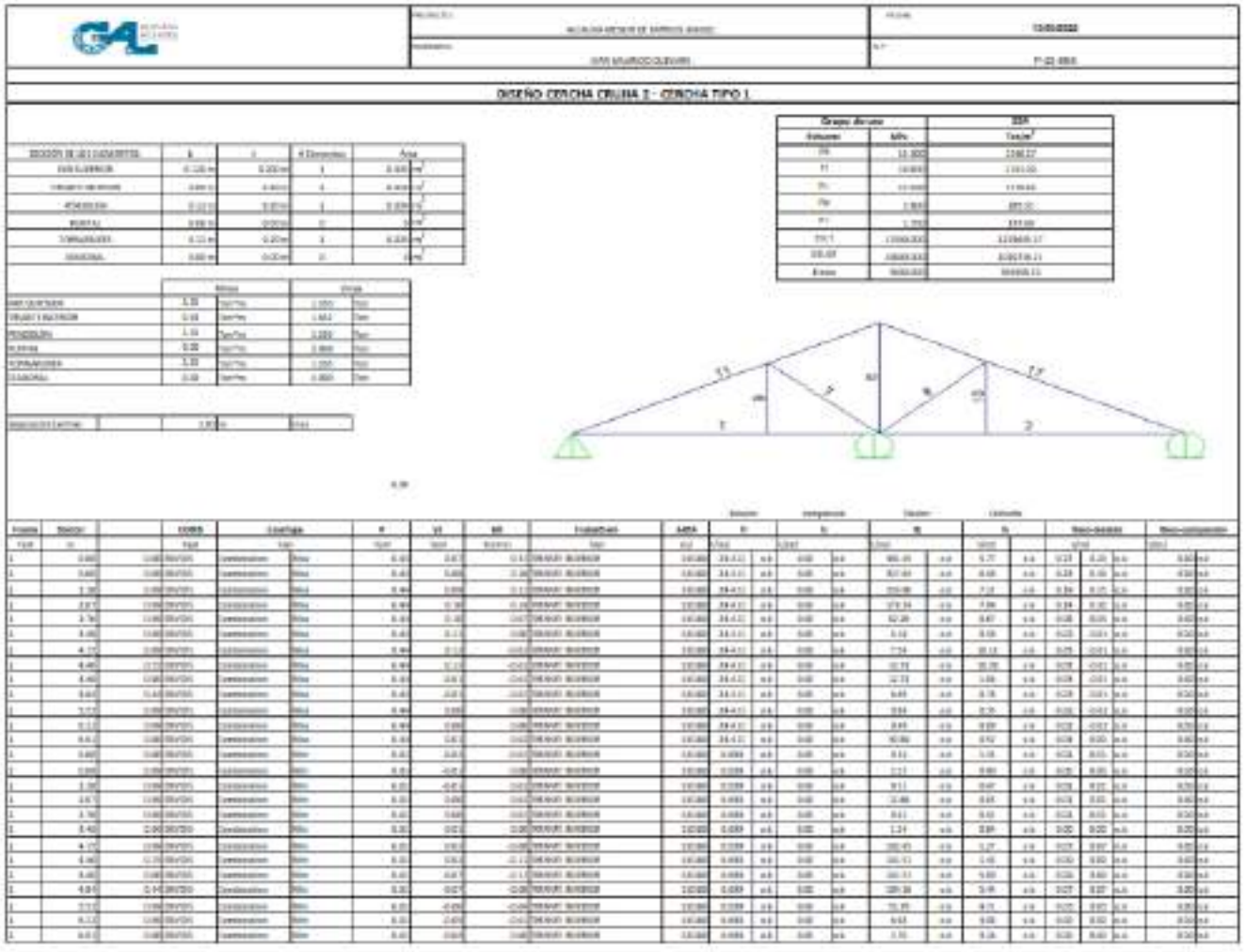
CUBIERTA MADERA - CRUJIA 2 - CERCHA TIPO 1

EVALUACION DE DEFORMACIONES



Luz Libre 7.45 m
Deformacion Admisible
2.48 cm CUMPLE
Deforamcion cercha
0.84 cm

Analisis Elemetnos Grupo ES4



DISEÑO CERCHA CRUJIA 2 - CERCHA TIPO 1

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	0.00	0.00	ENVOI5	Combination	Max	0.39	0.05	0.02	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	30.89	o.k	3.82	o.k	0.04	0.01	o.k	0.00	o.k
2	0.69	0.69	ENVOI5	Combination	Max	0.39	0.05	0.00	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	0.10	o.k	4.54	o.k	0.02	-0.01	o.k	0.00	o.k
2	1.38	0.69	ENVOI5	Combination	Max	0.39	0.06	0.00	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	1.99	o.k	5.27	o.k	0.02	-0.01	o.k	0.00	o.k
2	2.06	0.69	ENVOI5	Combination	Max	0.39	0.07	-0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	8.34	o.k	5.99	o.k	0.02	-0.01	o.k	0.00	o.k
2	2.40	0.34	ENVOI5	Combination	Max	0.39	0.08	-0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	13.05	o.k	6.34	o.k	0.03	-0.01	o.k	0.00	o.k
2	2.40	0.00	ENVOI5	Combination	Max	0.39	-0.02	-0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	13.05	o.k	1.46	o.k	0.03	-0.01	o.k	0.00	o.k
2	2.75	0.35	ENVOI5	Combination	Max	0.39	-0.01	0.00	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	5.91	o.k	1.23	o.k	0.02	-0.01	o.k	0.00	o.k
2	3.44	0.69	ENVOI5	Combination	Max	0.39	-0.01	0.01	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	7.56	o.k	0.80	o.k	0.02	-0.01	o.k	0.00	o.k
2	4.13	0.69	ENVOI5	Combination	Max	0.39	0.00	0.08	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	102.80	o.k	0.37	o.k	0.09	0.05	o.k	0.00	o.k
2	4.82	0.69	ENVOI5	Combination	Max	0.39	0.00	0.15	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	191.09	o.k	0.06	o.k	0.14	0.11	o.k	0.00	o.k
2	5.50	0.69	ENVOI5	Combination	Max	0.39	0.01	0.22	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	271.90	o.k	0.50	o.k	0.19	0.16	o.k	0.00	o.k
2	6.19	0.69	ENVOI5	Combination	Max	0.39	0.01	0.28	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	345.28	o.k	0.93	o.k	0.24	0.21	o.k	0.00	o.k
2	6.88	0.00	ENVOI5	Combination	Max	0.39	0.02	0.33	TIRANTE INFERIOR	0.0180	21.400	o.k	0.00	o.k	411.19	o.k	1.37	o.k	0.28	0.25	o.k	0.00	o.k
2	0.00	0.00	ENVOI5	Combination	Min	0.01	-0.01	0.00	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	2.70	o.k	0.47	o.k	0.00	0.00	o.k	0.00	o.k
2	0.69	0.69	ENVOI5	Combination	Min	0.01	0.00	-0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	12.29	o.k	0.03	o.k	0.01	0.01	o.k	0.00	o.k
2	1.38	0.69	ENVOI5	Combination	Min	0.01	0.00	-0.05	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	62.90	o.k	0.40	o.k	0.04	0.04	o.k	0.00	o.k
2	2.06	0.69	ENVOI5	Combination	Min	0.01	0.01	-0.10	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	120.99	o.k	0.83	o.k	0.06	0.06	o.k	0.00	o.k
2	2.40	0.34	ENVOI5	Combination	Min	0.01	0.01	-0.12	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	151.96	o.k	1.04	o.k	0.10	0.10	o.k	0.00	o.k
2	2.40	0.00	ENVOI5	Combination	Min	0.01	-0.13	-0.12	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	151.96	o.k	10.75	o.k	0.10	0.10	o.k	0.00	o.k
2	2.75	0.35	ENVOI5	Combination	Min	0.01	-0.12	-0.08	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	96.13	o.k	10.56	o.k	0.06	0.06	o.k	0.00	o.k
2	3.44	0.69	ENVOI5	Combination	Min	0.01	-0.12	0.00	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	4.20	o.k	9.64	o.k	0.00	0.00	o.k	0.00	o.k
2	4.13	0.69	ENVOI5	Combination	Min	0.01	-0.11	0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	10.69	o.k	8.92	o.k	0.01	0.01	o.k	0.00	o.k
2	4.82	0.69	ENVOI5	Combination	Min	0.01	-0.10	0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	12.28	o.k	8.19	o.k	0.01	0.01	o.k	0.00	o.k
2	5.50	0.69	ENVOI5	Combination	Min	0.01	-0.09	0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	9.59	o.k	7.47	o.k	0.01	0.01	o.k	0.00	o.k
2	6.19	0.69	ENVOI5	Combination	Min	0.01	-0.08	0.00	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	2.03	o.k	6.75	o.k	0.00	0.00	o.k	0.00	o.k
2	6.88	0.00	ENVOI5	Combination	Min	0.01	-0.07	-0.01	TIRANTE INFERIOR	0.0180	0.522	o.k	0.00	o.k	9.80	o.k	6.02	o.k	0.01	0.01	o.k	0.00	o.k
6	0.00	0.00	ENVOI5	Combination	Max	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.28	0.28	ENVOI5	Combination	Max	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.56	0.28	ENVOI5	Combination	Max	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.84	0.28	ENVOI5	Combination	Max	-0.04	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	2.48	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.12	0.28	ENVOI5	Combination	Max	-0.04	0.00	0.00	PENDOLON	0.0240	-	-	1.74	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.40	0.28	ENVOI5	Combination	Max	-0.04	0.00	0.00	PENDOLON	0.0240	-	-	1.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.67	0.28	ENVOI5	Combination	Max	-0.04	0.00	0.00	PENDOLON	0.0240	-	-	1.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.95	0.28	ENVOI5	Combination	Max	-0.03	0.00	0.00	PENDOLON	0.0240	-	-	1.39	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.23	0.28	ENVOI5	Combination	Max	-0.03	0.00	0.00	PENDOLON	0.0240	-	-	1.27	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.51	0.28	ENVOI5	Combination	Max	-0.03	0.00	0.00	PENDOLON	0.0240	-	-	1.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.79	0.00	ENVOI5	Combination	Max	-0.02	0.00	0.00	PENDOLON	0.0240	-	-	1.04	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.00	0.00	ENVOI5	Combination	Min	-1.70	0.00	0.00	PENDOLON	0.0240	-	-	70.95	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.28	0.28	ENVOI5	Combination	Min	-1.70	0.00	0.00	PENDOLON	0.0240	-	-	70.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.56	0.28	ENVOI5	Combination	Min	-1.69	0.00	0.00	PENDOLON	0.0240	-	-	70.56	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.84	0.28	ENVOI5	Combination	Min	-1.69	0.00	0.00	PENDOLON	0.0240	-	-	70.36	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.12	0.28	ENVOI5	Combination	Min	-1.68	0.00	0.00	PENDOLON	0.0240	-	-	70.17	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.40	0.28	ENVOI5	Combination	Min	-1.68	0.00	0.00	PENDOLON	0.0240	-	-	69.97	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.67	0.28	ENVOI5	Combination	Min	-1.67	0.00	0.00	PENDOLON	0.0240	-	-	69.78	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	1.95	0.28	ENVOI5	Combination	Min	-1.67	0.00	0.00	PENDOLON	0.0240	-	-	69.58	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.23	0.28	ENVOI5	Combination	Min	-1.67	0.00	0.00	PENDOLON	0.0240	-	-	69.38	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.51	0.28	ENVOI5	Combination	Min	-1.66	0.00	0.00	PENDOLON	0.0240	-	-	69.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	2.79	0.00	ENVOI5	Combination	Min	-1.66	0.00	0.00	PENDOLON	0.0240	-	-	69.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOI5	Combination	Max	-0.07	-0.01	0.00	PENDOLON	0.0240	-	-	2.73	o.k	0.00	-	0.79	o.k	-	-	o.k	0.00	o.k
7	0.31	0.31	ENVOI5	Combination	Max	-0.06	-0.01	0.01	PENDOLON	0.0240	-	-	2.66	o.k	7.28	o.k	0.63	o.k	-	-	o.k	0.00	o.k
7	0.61	0.31	ENVOI5	Combination	Max	-0.06	-0.01	0.01	PENDOLON	0.0240	-	-	2.58	o.k	12.94	o.k	0.47	o.k	-	-	o.k	0.01	o.k
7	0.92	0.31	ENVOI5	Combination	Max	-0.06	-0.01	0.01	PENDOLON	0.0240	-	-	2.51	o.k	16.99	o.k	0.32	o.k	-	-	o.k	0.01	o.k
7	1.23	0.31	ENVOI5	Combination	Max	-0.06	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.44	o.k	19.41	o.k	0.16	o.k	-	-	o.k	0.01	o.k
7	1.54	0.31	ENVOI5	Combination	Max	-0.06	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.36	o.k	20.23	o.k	0.00	o.k	-	-	o.k	0.01	o.k
7	1.84	0.31	ENVOI5	Combination	Max	-0.05	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.29	o.k	19.41	o.k	0.26	o.k	-	-	o.k	0.01	o.k
7	2.15	0.31	ENVOI5	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.21	o.k	16.99	o.k	0.52	o.k	-	-	o.k	0.01	o.k
7	2.46	0.31	ENVOI5	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.14	o.k	12.94	o.k	0.79	o.k	-	-	o.k	0.01	o.k
7	2.77	0.31	ENVOI5	Combination	Max	-0.05	0.02	0.01	TORNAPUNTA	0.0240	-	-	2.06	o.k	7.28	o.k	1.05	o.k	-	-	o.k	0.00	o.k
7	3.07	0.00	ENVOI5	Combination	Max	-0.05	0.02	0.00	TORNAPUNTA	0.0240	-	-	1.99	o.k	0.00	o.k	1.32	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOI5	Combination	Min	-2.29	-0.01	0.00	TORNAPUNTA	0.0240	-	-	95.25	o.k	0.00	-	1.32	o.k	-	-	o.k	0.00	o.k
7	0.31	0.31	ENVOI5	Combination	Min	-2.28	-0.02	0.00	TORNAPUNTA	0.0240	-	-	95.13	o.k	4.36	o.k	1.05	o.k	-	-	o.k	0.01	o.k

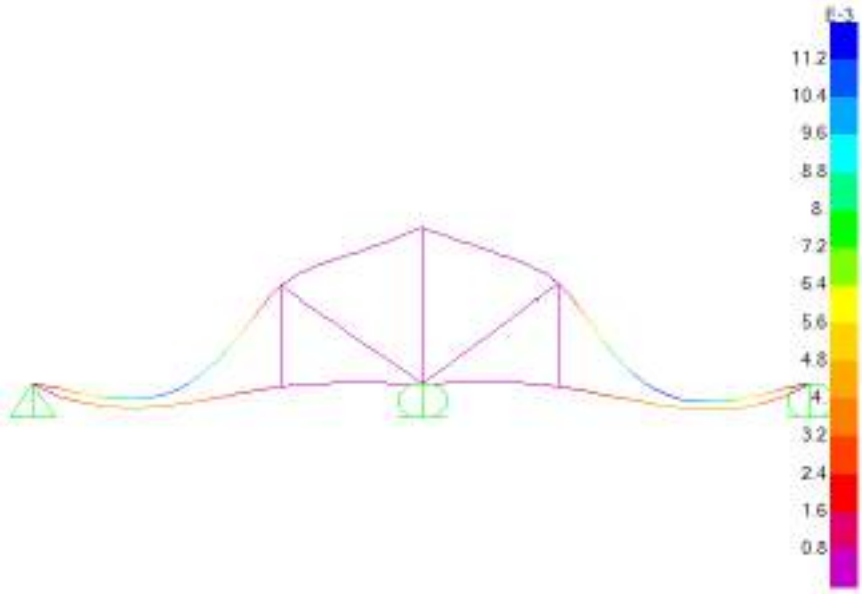
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
7	0.61	0.31	ENVOLS	Combination	Min	-2.28	-0.01	0.01	TORNAPUNTA	0.0240	-	-	95.00	o.k	7.76	o.k	0.79	o.k	-	-	o.k	0.01	o.k
7	0.92	0.31	ENVOLS	Combination	Min	-2.28	-0.01	0.01	TORNAPUNTA	0.0240	-	-	94.88	o.k	10.19	o.k	0.52	o.k	-	-	o.k	0.01	o.k
7	1.23	0.31	ENVOLS	Combination	Min	-2.27	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.75	o.k	11.65	o.k	0.26	o.k	-	-	o.k	0.01	o.k
7	1.54	0.31	ENVOLS	Combination	Min	-2.27	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.63	o.k	12.14	o.k	0.00	o.k	-	-	o.k	0.01	o.k
7	1.84	0.31	ENVOLS	Combination	Min	-2.27	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.51	o.k	11.65	o.k	0.16	o.k	-	-	o.k	0.01	o.k
7	2.15	0.31	ENVOLS	Combination	Min	-2.27	0.01	0.01	TORNAPUNTA	0.0240	-	-	94.38	o.k	10.19	o.k	0.32	o.k	-	-	o.k	0.01	o.k
7	2.46	0.31	ENVOLS	Combination	Min	-2.26	0.01	0.01	TORNAPUNTA	0.0240	-	-	94.26	o.k	7.76	o.k	0.47	o.k	-	-	o.k	0.01	o.k
7	2.77	0.31	ENVOLS	Combination	Min	-2.26	0.01	0.00	TORNAPUNTA	0.0240	-	-	94.13	o.k	4.36	o.k	0.63	o.k	-	-	o.k	0.01	o.k
7	3.07	0.00	ENVOLS	Combination	Min	-2.26	0.01	0.00	TORNAPUNTA	0.0240	-	-	94.01	o.k	0.00	o.k	0.79	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	-0.06	-0.01	0.00	TORNAPUNTA	0.0240	-	-	2.69	o.k	0.00	-	0.76	o.k	-	-	o.k	0.00	o.k
8	0.30	0.30	ENVOLS	Combination	Max	-0.06	-0.01	0.01	TORNAPUNTA	0.0240	-	-	2.61	o.k	6.83	o.k	0.61	o.k	-	-	o.k	0.00	o.k
8	0.60	0.30	ENVOLS	Combination	Max	-0.06	-0.01	0.01	TORNAPUNTA	0.0240	-	-	2.53	o.k	12.13	o.k	0.46	o.k	-	-	o.k	0.01	o.k
8	0.90	0.30	ENVOLS	Combination	Max	-0.06	0.00	0.01	TORNAPUNTA	0.0240	-	-	2.46	o.k	15.93	o.k	0.30	o.k	-	-	o.k	0.01	o.k
8	1.20	0.30	ENVOLS	Combination	Max	-0.06	0.00	0.01	TORNAPUNTA	0.0240	-	-	2.38	o.k	18.20	o.k	0.15	o.k	-	-	o.k	0.01	o.k
8	1.50	0.30	ENVOLS	Combination	Max	-0.06	0.00	0.02	TORNAPUNTA	0.0240	-	-	2.30	o.k	18.95	o.k	0.00	o.k	-	-	o.k	0.01	o.k
8	1.81	0.30	ENVOLS	Combination	Max	-0.05	0.00	0.01	TORNAPUNTA	0.0240	-	-	2.23	o.k	18.20	o.k	0.25	o.k	-	-	o.k	0.01	o.k
8	2.11	0.30	ENVOLS	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.15	o.k	15.93	o.k	0.51	o.k	-	-	o.k	0.01	o.k
8	2.41	0.30	ENVOLS	Combination	Max	-0.05	0.01	0.01	TORNAPUNTA	0.0240	-	-	2.08	o.k	12.13	o.k	0.76	o.k	-	-	o.k	0.01	o.k
8	2.71	0.30	ENVOLS	Combination	Max	-0.05	0.02	0.01	TORNAPUNTA	0.0240	-	-	2.00	o.k	6.83	o.k	1.01	o.k	-	-	o.k	0.00	o.k
8	3.01	0.00	ENVOLS	Combination	Max	-0.05	0.02	0.00	TORNAPUNTA	0.0240	-	-	1.93	o.k	0.00	o.k	1.26	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	-2.27	-0.02	0.00	TORNAPUNTA	0.0240	-	-	94.64	o.k	0.00	-	1.26	o.k	-	-	o.k	0.00	o.k
8	0.30	0.30	ENVOLS	Combination	Min	-2.27	-0.02	0.00	TORNAPUNTA	0.0240	-	-	94.51	o.k	4.09	o.k	1.01	o.k	-	-	o.k	0.01	o.k
8	0.60	0.30	ENVOLS	Combination	Min	-2.27	-0.01	0.01	TORNAPUNTA	0.0240	-	-	94.38	o.k	7.28	o.k	0.76	o.k	-	-	o.k	0.01	o.k
8	0.90	0.30	ENVOLS	Combination	Min	-2.26	-0.01	0.01	TORNAPUNTA	0.0240	-	-	94.25	o.k	9.55	o.k	0.51	o.k	-	-	o.k	0.01	o.k
8	1.20	0.30	ENVOLS	Combination	Min	-2.26	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.13	o.k	10.91	o.k	0.25	o.k	-	-	o.k	0.01	o.k
8	1.50	0.30	ENVOLS	Combination	Min	-2.26	0.00	0.01	TORNAPUNTA	0.0240	-	-	94.00	o.k	11.38	o.k	0.00	o.k	-	-	o.k	0.01	o.k
8	1.81	0.30	ENVOLS	Combination	Min	-2.25	0.00	0.01	TORNAPUNTA	0.0240	-	-	93.88	o.k	10.91	o.k	0.15	o.k	-	-	o.k	0.01	o.k
8	2.11	0.30	ENVOLS	Combination	Min	-2.25	0.00	0.01	TORNAPUNTA	0.0240	-	-	93.75	o.k	9.55	o.k	0.30	o.k	-	-	o.k	0.01	o.k
8	2.41	0.30	ENVOLS	Combination	Min	-2.25	0.01	0.01	TORNAPUNTA	0.0240	-	-	93.62	o.k	7.28	o.k	0.46	o.k	-	-	o.k	0.01	o.k
8	2.71	0.30	ENVOLS	Combination	Min	-2.24	0.01	0.00	TORNAPUNTA	0.0240	-	-	93.49	o.k	4.09	o.k	0.61	o.k	-	-	o.k	0.01	o.k
8	3.01	0.00	ENVOLS	Combination	Min	-2.24	0.01	0.00	TORNAPUNTA	0.0240	-	-	93.37	o.k	0.00	o.k	0.76	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.142	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	0.18	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.150	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	0.36	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.154	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	0.53	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TORNAPUNTA	0.0240	8.163	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	0.71	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.894	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	0.89	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.906	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	1.07	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.911	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	1.24	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.922	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	1.42	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.933	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	1.60	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.944	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	1.78	#N/D	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	10.950	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.661	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.18	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.667	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.36	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.672	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.53	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.678	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.71	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.683	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.89	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.694	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.07	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.700	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.24	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.706	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.42	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.711	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.60	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.717	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.78	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.722	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.00	0.00	ENVOLS	Combination	Max	0.20	0.00	0.00	TIRANTE INFERIOR	0.0180	11.383	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	0.18	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.389	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	0.36	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.400	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	0.55	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.411	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	0.73	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.422	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	0.91	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.433	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	1.09	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.439	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	1.27	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.450	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
10	1.45	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.461	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	1.64	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.472	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	1.82	#N/D	ENVOLS	Combination	Max	0.21	0.00	0.00	TIRANTE INFERIOR	0.0180	11.485	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	-0.01	o.k	0.00	o.k
10	0.00	0.00	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.667	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.18	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.672	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.36	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.683	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.55	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.689	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.73	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.694	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.91	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.700	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.09	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.706	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.27	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.711	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.45	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.717	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.64	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.722	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.82	#N/D	ENVOLS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0180	1.728	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.01	TIRANTE INFERIOR	0.0180	-	-	0.77	o.k	9.34	o.k	0.30	o.k	-	-	o.k	0.01	o.k
11	0.75	0.75	ENVOLS	Combination	Max	-0.01	0.00	0.13	TIRANTE INFERIOR	0.0180	-	-	0.61	o.k	161.05	o.k	0.28	o.k	-	-	o.k	0.10	o.k
11	1.24	0.50	ENVOLS	Combination	Max	-0.01	0.01	0.42	TIRANTE INFERIOR	0.0180	-	-	0.51	o.k	525.38	o.k	0.67	o.k	-	-	o.k	0.34	o.k
11	1.24	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.42	TIRANTE INFERIOR	0.0180	-	-	0.77	o.k	525.38	o.k	0.28	o.k	-	-	o.k	0.34	o.k
11	1.49	0.25	ENVOLS	Combination	Max	-0.01	0.00	0.45	TIRANTE INFERIOR	0.0180	-	-	0.71	o.k	564.71	o.k	0.09	o.k	-	-	o.k	0.36	o.k
11	2.24	0.75	ENVOLS	Combination	Max	-0.01	0.01	0.55	TIRANTE INFERIOR	0.0180	-	-	0.56	o.k	681.50	o.k	0.49	o.k	-	-	o.k	0.44	o.k
11	2.48	0.25	ENVOLS	Combination	Max	-0.01	0.01	0.57	TIRANTE INFERIOR	0.0180	-	-	0.51	o.k	718.04	o.k	0.68	o.k	-	-	o.k	0.46	o.k
11	2.48	0.00	ENVOLS	Combination	Max	-0.01	0.55	0.57	TIRANTE INFERIOR	0.0180	-	-	0.76	o.k	718.04	o.k	27.40	o.k	-	-	o.k	0.46	o.k
11	2.98	0.50	ENVOLS	Combination	Max	-0.01	0.54	0.41	TIRANTE INFERIOR	0.0180	-	-	0.66	o.k	511.44	o.k	28.05	o.k	-	-	o.k	0.33	o.k
11	3.73	0.75	ENVOLS	Combination	Max	-0.01	0.35	0.15	TIRANTE INFERIOR	0.0180	-	-	0.50	o.k	192.55	o.k	29.02	o.k	-	-	o.k	0.12	o.k
11	3.73	0.00	ENVOLS	Combination	Max	-0.01	0.79	0.15	TIRANTE INFERIOR	0.0180	-	-	0.76	o.k	192.55	o.k	66.06	o.k	-	-	o.k	0.12	o.k
11	4.47	0.75	ENVOLS	Combination	Max	-0.01	0.80	0.00	TIRANTE INFERIOR	0.0180	-	-	0.60	o.k	2.18	o.k	67.02	o.k	-	-	o.k	0.00	o.k
11	4.75	0.27	ENVOLS	Combination	Max	-0.01	0.81	0.00	TIRANTE INFERIOR	0.0180	-	-	0.54	o.k	3.96	o.k	67.38	o.k	-	-	o.k	0.00	o.k
11	4.75	0.00	ENVOLS	Combination	Max	0.00	0.99	0.00	TIRANTE INFERIOR	0.0180	0.100	o.k	0.00	o.k	3.96	o.k	82.62	o.k	0.00	0.00	o.k	0.00	o.k
11	4.75	0.00	ENVOLS	Combination	Max	0.00	0.99	0.00	TIRANTE INFERIOR	0.0180	0.100	o.k	0.00	o.k	4.10	o.k	82.62	o.k	0.00	0.00	o.k	0.00	o.k
11	4.75	0.00	ENVOLS	Combination	Max	1.16	0.00	0.00	TIRANTE INFERIOR	0.0180	64.561	o.k	0.00	o.k	4.10	o.k	0.16	o.k	0.06	-0.04	o.k	0.00	o.k
11	4.97	0.22	ENVOLS	Combination	Max	1.16	0.00	0.00	TIRANTE INFERIOR	0.0180	64.639	o.k	0.00	o.k	4.90	o.k	0.32	o.k	0.06	-0.04	o.k	0.00	o.k
11	4.97	0.00	ENVOLS	Combination	Max	1.34	-0.01	0.00	TIRANTE INFERIOR	0.0180	74.611	o.k	0.00	o.k	4.90	o.k	0.62	o.k	0.07	-0.04	o.k	0.00	o.k
11	5.22	0.25	ENVOLS	Combination	Max	1.34	-0.01	0.00	TIRANTE INFERIOR	0.0180	74.694	o.k	0.00	o.k	2.04	o.k	0.43	o.k	0.07	-0.05	o.k	0.00	o.k
11	5.96	0.75	ENVOLS	Combination	Max	1.35	0.00	0.00	TIRANTE INFERIOR	0.0180	74.956	o.k	0.00	o.k	1.39	o.k	0.15	o.k	0.07	-0.05	o.k	0.00	o.k
11	6.21	0.25	ENVOLS	Combination	Max	1.35	0.00	0.08	TIRANTE INFERIOR	0.0180	75.044	o.k	0.00	o.k	95.30	o.k	0.34	o.k	0.13	0.01	o.k	0.00	o.k
11	6.21	0.00	ENVOLS	Combination	Max	1.53	0.02	0.08	TIRANTE INFERIOR	0.0180	85.017	o.k	0.00	o.k	95.30	o.k	1.28	o.k	0.14	0.01	o.k	0.00	o.k
11	6.71	0.50	ENVOLS	Combination	Max	1.53	0.02	0.07	TIRANTE INFERIOR	0.0180	85.189	o.k	0.00	o.k	83.35	o.k	1.92	o.k	0.13	0.00	o.k	0.00	o.k
11	7.45	0.00	ENVOLS	Combination	Max	1.54	0.03	0.05	TIRANTE INFERIOR	0.0180	85.450	o.k	0.00	o.k	56.43	o.k	2.89	o.k	0.11	-0.02	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-0.72	-0.60	-0.31	TIRANTE INFERIOR	0.0180	-	-	39.76	o.k	391.45	o.k	49.91	o.k	-	-	o.k	0.25	o.k
11	0.75	0.75	ENVOLS	Combination	Min	-0.71	-0.59	0.01	TIRANTE INFERIOR	0.0180	-	-	39.50	o.k	9.44	o.k	48.94	o.k	-	-	o.k	0.01	o.k
11	1.24	0.50	ENVOLS	Combination	Min	-0.71	-0.58	0.00	TIRANTE INFERIOR	0.0180	-	-	39.33	o.k	5.91	o.k	48.50	o.k	-	-	o.k	0.00	o.k
11	1.24	0.00	ENVOLS	Combination	Min	-0.55	-0.14	0.00	TIRANTE INFERIOR	0.0180	-	-	29.36	o.k	5.91	o.k	11.26	o.k	-	-	o.k	0.00	o.k
11	1.49	0.25	ENVOLS	Combination	Min	-0.55	-0.13	0.01	TIRANTE INFERIOR	0.0180	-	-	29.27	o.k	6.61	o.k	10.93	o.k	-	-	o.k	0.00	o.k
11	2.24	0.75	ENVOLS	Combination	Min	-0.52	-0.12	0.00	TIRANTE INFERIOR	0.0180	-	-	29.01	o.k	4.39	o.k	9.97	o.k	-	-	o.k	0.00	o.k
11	2.48	0.25	ENVOLS	Combination	Min	-0.52	-0.12	0.00	TIRANTE INFERIOR	0.0180	-	-	28.92	o.k	2.20	o.k	9.64	o.k	-	-	o.k	0.00	o.k
11	2.48	0.00	ENVOLS	Combination	Min	-0.34	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	18.95	o.k	2.20	o.k	0.27	o.k	-	-	o.k	0.00	o.k
11	2.98	0.50	ENVOLS	Combination	Min	-0.34	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	18.77	o.k	2.78	o.k	0.12	o.k	-	-	o.k	0.00	o.k
11	3.73	0.75	ENVOLS	Combination	Min	-0.33	0.01	0.00	TIRANTE INFERIOR	0.0180	-	-	18.52	o.k	1.79	o.k	0.70	o.k	-	-	o.k	0.00	o.k
11	3.73	0.00	ENVOLS	Combination	Min	-0.15	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	8.54	o.k	1.79	o.k	0.26	o.k	-	-	o.k	0.00	o.k
11	4.47	0.75	ENVOLS	Combination	Min	-0.15	0.00	-0.44	TIRANTE INFERIOR	0.0180	-	-	8.28	o.k	551.28	o.k	0.32	o.k	-	-	o.k	0.35	o.k
11	4.75	0.27	ENVOLS	Combination	Min	-0.15	0.01	-0.66	TIRANTE INFERIOR	0.0180	-	-	8.19	o.k	827.40	o.k	0.54	o.k	-	-	o.k	0.53	o.k
11	4.75	0.00	ENVOLS	Combination	Min	-0.07	0.04	-0.66	TIRANTE INFERIOR	0.0180	-	-	4.09	o.k	827.40	o.k	2.93	o.k	-	-	o.k	0.53	o.k
11	4.75	0.00	ENVOLS	Combination	Min	-0.07	0.04	-0.67	TIRANTE INFERIOR	0.0180	-	-	4.08	o.k	851.54	o.k	2.93	o.k	-	-	o.k	0.53	o.k
11	4.75	0.00	ENVOLS	Combination	Min	0.04	-0.90	-0.67	TIRANTE INFERIOR	0.0180	2.122	o.k	0.00	o.k	851.54	o.k	74.71	o.k	0.53	0.53	o.k	0.00	o.k
11	4.97	0.22	ENVOLS	Combination	Min	0.04	-0.89	-0.47	TIRANTE INFERIOR	0.0180	2.167	o.k	0.00	o.k	586.00	o.k	74.42	o.k	0.38	0.37	o.k	0.00	o.k
11	4.97	0.00	ENVOLS	Combination	Min	0.03	-0.45	-0.47	TIRANTE INFERIOR	0.0180	1.911	o.k	0.00	o.k	586.00	o.k	37.57	o.k	0.38	0.37	o.k	0.00	o.k
11	5.22	0.25	ENVOLS	Combination	Min	0.04	-0.44	-0.36	TIRANTE INFERIOR	0.0180	1.967	o.k	0.00	o.k	447.34	o.k	37.05	o.k	0.29	0.29	o.k	0.00	o.k
11	5.96	0.75	ENVOLS	Combination	Min	0.04	-0.43	-0.05	TIRANTE INFERIOR	0.0180	2.122	o.k	0.00	o.k	38.56	o.k	36.08	o.k	0.03	0.02	o.k	0.00	o.k
11	6.21	0.25	ENVOLS	Combination	Min	0.04	-0.43	0.00	TIRANTE INFERIOR	0.0180	2.172	o.k	0.00	o.k	2.30	o.k	35.77	o.k	0.00	0.00	o.k	0.00	o.k
11	6.21	0.00	ENVOLS	Combination	Min	0.03	-0.01	0.00	TIRANTE INFERIOR	0.0180	1.917	o.k	0.00	o.k	2.30	o.k	0.61	o.k	0.00	0.00	o.k	0.00	o.k
11	6.71	0.50	ENVOLS	Combination	Min	0.04	0.00	0.00	TIRANTE INFERIOR	0.0180	2.022	o.k	0.00	o.k	0.79	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	7.45	0.00	ENVDIS	Combination	Min	0.04	0.00	0.00	TIRANTE INFERIOR	0.0180	2.178	o.k	0.00	o.k	0.02	o.k	0.36	o.k	0.00	0.00	o.k	0.00	o.k
17	0.00	0.00	ENVDIS	Combination	Max	1.52	0.00	0.05	TIRANTE INFERIOR	0.0180	84.622	o.k	0.00	o.k	56.43	o.k	0.36	o.k	0.11	-0.02	o.k	0.00	o.k
17	0.74	0.74	ENVDIS	Combination	Max	1.52	0.01	0.04	TIRANTE INFERIOR	0.0180	84.567	o.k	0.00	o.k	47.08	o.k	1.32	o.k	0.11	-0.02	o.k	0.00	o.k
17	1.24	0.49	ENVDIS	Combination	Max	1.52	0.02	0.05	TIRANTE INFERIOR	0.0180	84.189	o.k	0.00	o.k	34.88	o.k	1.97	o.k	0.10	-0.03	o.k	0.00	o.k
17	1.24	0.00	ENVDIS	Combination	Max	1.34	0.47	0.03	TIRANTE INFERIOR	0.0180	74.183	o.k	0.00	o.k	34.88	o.k	38.98	o.k	0.09	-0.03	o.k	0.00	o.k

CUBIERTA MADERA - CRUJIA 2 - CERCHA TIPO 1

EVALUACION DE DEFORMACIONES



Luz Libre 7.45 m
Deformacion Admisible
2.48 cm CUMPLE
Deforamcion cercha
1.12 cm

DISEÑO DE CORREAS EN MADERA CERCHA TIPO 1- CRUJIA 2

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

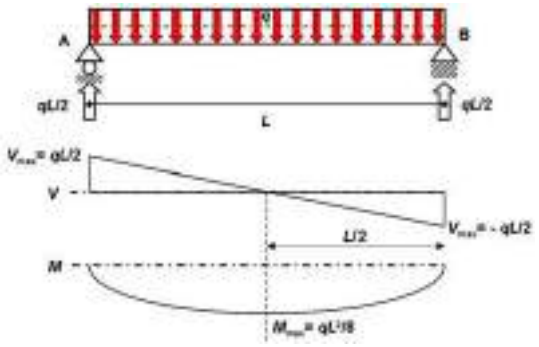
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 1.93 m L Afe= 1.39 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.6 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 69.50 Kg/m
CM= 137.65 Kg/m
W= 85.61 Kg/m



q_U =	**253.99 Kg/m**
$V_{MÀX}$=	**245.10 Kg**
$M_{MÀX}$=	**118.26 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

τ= $\frac{3*V_{MÁX}}{2*b*h}$

τ= *4.60 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

δ= $\frac{5*W_U*L^4}{384*E*I}$

δ= *1.05 cm* > δ Admisible, No Cumple

δ Admisible L/300= 0.6 cm

NOTA:

4.11.7 Análisis de viento Crujía 3, 4, 5 y 6

CORPACERO Pioneros, Líderes y Expertos	Memorias de cálculo **ANALISIS DE CARGAS DE VIENTO NSR - 10 (Procedimiento Analítico)**	Fecha abril 11 / 2012
	Proyecto **CUBIERTA - ALCALDIA MENOR BARRIOS UNIDOS**	Aprobó

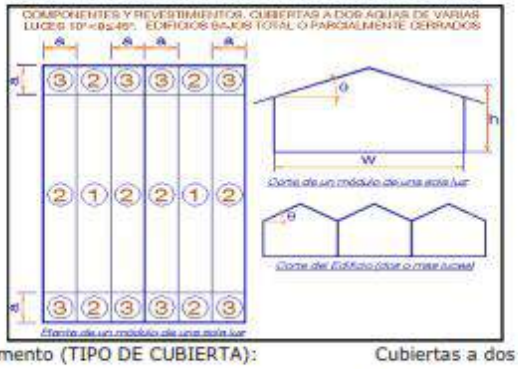
Fuerzas de Viento NSR-10

Análisis para Etapa:	Funcionamiento
Tipo Edificación:	Componentes y Revestimientos
Sistema Estructural:	Muros de Rigidez en Concreto
Clasificación de la Estructura:	Cerrado
Altura media de Cubierta (m):	8.85
Tipo de Elemento de Revestimiento:	Cubiertas
Tipo de Cubierta del Elemento:	Cubiertas a dos aguas varias luces
Longitud del Elemento (m):	3.42
Ancho Aferente del Elemento (m):	0.75
Dimensión Horizontal de la Estructura (Paralela al Viento) (L) (m):	14.02
Dimensión Horizontal de la Estructura (Normal al Viento) (B) (m):	16.33
Ángulo de la Cubierta (°)	20
Velocidad de Viento Básica (Km/h) (Ver Mapa):	100
Grupo de Uso de la Estructura:	III
Región de la Estructura (m):	Región sin huracanes
Rugosidad del Terreno:	Rugosidad B
Categoria de Exposición:	B
La Estructura cumple TODOS los Efectos Topográficos (Ver Ayuda):	No

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

CORPACERO Pioneros, Líderes y Expertos	Memorias de cálculo **ANALISIS DE CARGAS DE VIENTO NSR - 10 (Procedimiento Analítico)**	Fecha abril 11 / 2012
	Proyecto **CUBIERTA - ALCALDIA MENOR BARRIOS UNIDOS**	Aprobó

TIPO DE ESTRUCTURA: **Componentes y Revestimientos**



Tipo de Cubierta a la que pertenece el Elemento (TIPO DE CUBIERTA):	Cubiertas a dos aguas varias luces
Longitud del Elemento (m):	3.42
Aferencia del Elemento (Separación entre Correas) (m):	0.75
Área Efectiva contra Viento (m²):	2.56
Altura Media de la Estructura (h) (m):	8.85
Dimensión Horizontal de la Estructura (Paralela al Viento) (L) (m):	14.02
Dimensión Horizontal de la Estructura (Normal al Viento) (B) (m):	16.33
Ángulo de Inclinación de la Cubierta (Barlovento) :	20
Ángulo de Inclinación de la Cubierta (Sotavento) :	0
Periódo del Edificio (T) (seg):	0.25
Clasificación de la Estructura:	
ESTRUCTURA:	RIGIDA
EDIFICIO:	Cerrado
EDIFICIO:	Bajo
FLUJO DE VIENTO:	
TIPO DE CUBIERTA:	Una Pendiente
Velocidad de Viento Básica (Según Mapa) (V) (m/s):	28
Factor de Dirección de Viento (Kd):	0.85
Uso de la Estructura (grupo):	III
Tipo de Región de la Estructura (Clase):	Región sin huracanes
Factor de Importancia (I):	1.15

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

CORPACERO Pioneros, Líderes y Expertos	Memorias de cálculo **ANALISIS DE CARGAS DE VIENTO NSR - 10 (Procedimiento Analítico)**	Fecha abril 11 / 2012
	Proyecto **CUBIERTA - ALCALDIA MENOR BARRIOS UNIDOS**	Aprobó

Rugosidad de Terreno :	Rugosidad B
Altura de la Estructura por encima del Terreno (Z) (m):	9
Exponente para la ley potencial de la velocidad de ráfaga de 3 seg. (α) (-):	7
Altura nominal de la Capa Atmosférica Limite (Zg) (m):	365.8
Categoría de Exposición :	B
Coeficiente de Exposición de Presión por Velocidad (Kh):	0.7
Su Estructura cumple TODOS los Efectos Topográficos:	No
Factor Topográfico (Kzt):	1
Altura Equivalente de la Estructura (Zb) (m):	9
Factor de Escala de Longitud Integral (l) (m):	97.5
Exponente para la Ley Potencial (εb) (-):	1/3
Longitud Integral a Escala de la Turbulencia (Lzb) (m):	94.14
Factor de Respuesta del Entorno (Q) (-):	0.887
Intensidad de Turbulencia a la Altura zb (Izb) (-):	0.305
Factor Pico para Respuesta del Entorno y Viento respectivamente (gQ = gv) (-):	3.4
Velocidad de Viento Promedia por una hora a una altura z (Vbzb) (m/s):	12.272
Coeficiente de Amortiguamiento Critico (β) (-):	0.02
Frecuencia Natural del Edificio (η1) (Hz):	3.98
Frecuencia para RL (ηRL) (Hz):	70.02
Frecuencia para RB (ηRB) (Hz):	24.361
Frecuencia para Rh (ηRh) (Hz):	13.202
Factor de Respuesta para L (RL) (-):	0.014
Factor de Respuesta para B (RB) (-):	0.04
Factor de Respuesta para h (Rh) (-):	0.073
Frecuencia Reducida (N1) (-):	30.528
Valor (Rn) (-):	0.016
Factor de Respuesta de Resonancia (R) (-):	0.035
Factor Pico para Respuesta de Resonancia (gR) (-):	4.507
Presión de Velocidad (qh) (Kg/m²):	32.762
Factor de Efecto Ráfaga (G) (-):	0.858

Coeficiente de Presión Interna (GCpi+) (-): 0.18

Coeficiente de Presión Interna (GCpi-) (-): -0.18

a (m): 1.4

Coeficientes de Presión Externa CUBIERTA Edificios Bajos (C & R):

Zona 1	GCp+ (-)	0.542
	GCp- (-)	-1.542
Zona 2	GCp+ (-)	0.542
	GCp- (-)	-2.056
Zona 2'	GCp+ (-)	0.00
	GCp- (-)	0.00
Zona 3	GCp+ (-)	0.542
	GCp- (-)	2.056
Zona 3'	GCp+ (-)	0.00
	GCp- (-)	0.00

Presiones de Diseño CUBIERTA (Cubiertas a dos aguas de varias luces 10° < θ ≤ 45°) Edificios Bajos (C & R):

Zona 1	P. Dis. con GCp+ y con GCpi+ (kg/m²)	11.86
	P. Dis. con GCp+ y con GCpi- (kg/m²)	23.654
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-56.417
	P. Dis. con GCp- y con GCpi- (kg/m²)	-44.622
Zona 2	P. Dis. con GCp+ y con GCpi+ (kg/m²)	11.86
	P. Dis. con GCp+ y con GCpi- (kg/m²)	23.654
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-73.257
	P. Dis. con GCp- y con GCpi- (kg/m²)	-61.462
Zona 3	P. Dis. con GCp+ y con GCpi+ (kg/m²)	11.86
	P. Dis. con GCp+ y con GCpi- (kg/m²)	23.654
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-73.257
	P. Dis. con GCp- y con GCpi- (kg/m²)	-61.462

*El NSR-10 [B.6.1.3] estipula que la presión de diseño no será menor de 0.40kN/m² (40 kg/m²)

4.11.8 Verificación Cubiertas Crujía 3.

4.11.8.1 Tipo 1

CUBIERTA CRUJIA 3

Corresponde al analisis de la crujia 3 cerchas CH1 a CH2, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

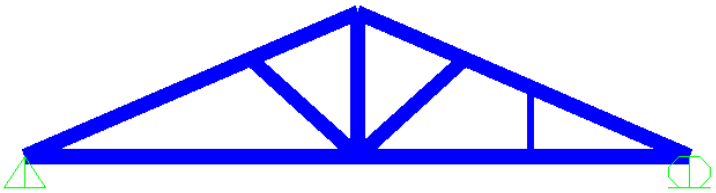
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.05	99.75	52.50	**52.50**	**76.92**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.83	182.54	96.08	**96.08**	**140.77**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None

Table: Combination Definitions, Part 2 of 3				
ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	CaseName	GUID	Notes
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR 20X10	N.A.	Default
5	Rectangular	N.A.	PEN 20X10	N.A.	Default
6	Rectangular	N.A.	TORN 19X10	N.A.	Default
7	Rectangular	N.A.	TORN 19X10	N.A.	Default
8	Rectangular	N.A.	PUNT 0.09	N.A.	Default
9	Rectangular	N.A.	PAR 20X10	N.A.	Default
14	Rectangular	N.A.	PAR 20X10	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
PAR 20X10	M-ES2	Rectangular	0.2	0.1		
PEN 20X10	M-ES2	Rectangular	0.2	0.1		
PUNT 0.09	M-ES2	Rectangular	0.09	0.09		
TIR 20X10	M-ES2	Rectangular	0.2	0.1		
TORN 19X10	M-ES2	Rectangular	0.19	0.1		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
PAR 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PEN 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PUNT 0.09	0.0081	9.240E-06	5.468E-06	5.468E-06	0.	0.00675	0.00675
TIR 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
TORN 19X10	0.019	0.000042	0.000057	0.000016	0.	0.015833	0.015833
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
PAR 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PEN 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PUNT 0.09	0.000122	0.000122	0.000182	0.000182	0.025981	0.025981	
TIR 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
TORN 19X10	0.000602	0.000317	0.000903	0.000475	0.054848	0.028868	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
PAR 20X10	No	No	Cyan	148.72	15.17	No	1.
PEN 20X10	No	No	White	28.7	2.93	No	1.
PUNT 0.09	No	No	Cyan	5.56	0.57	No	1.
TIR 20X10	No	No	Magenta	137.2	13.99	No	1.
TORN 19X10	No	No	Blue	56.01	5.71	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
PAR 20X10	1.	1.	1.	1.	1.	1.	1.
PEN 20X10	1.	1.	1.	1.	1.	1.	1.
PUNT 0.09	1.	1.	1.	1.	1.	1.	1.
TIR 20X10	1.	1.	1.	1.	1.	1.	1.
TORN 19X10	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
PAR 20X10			
PEN 20X10			
PUNT 0.09			
TIR 20X10			
TORN 19X10			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
PAR 20X10	Added 01/06/2017 00:06:46
PEN 20X10	Added 01/06/2017 00:08:01
PUNT 0.09	Added 01/06/2017 00:08:43
TIR 20X10	Added 01/06/2017 00:07:12
TORN 19X10	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		3.38	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.91	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.44	Primary	Gray8Dark	Yes	End
GLOBAL	X		7.46	Primary	Gray8Dark	Yes	End
GLOBAL	X		9.8	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.34	Primary	Gray8Dark	Yes	End
GLOBAL	Z		2.05	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	D	GLOBAL	0.	0.	-182.54	0.	0.

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	Lr	GLOBAL	0.	0.	-96.08	0.	0.
1	G	GLOBAL	0.	0.	-96.08	0.	0.
1	W	GLOBAL	0.	0.	-140.77	0.	0.
2	D	GLOBAL	0.	0.	-182.54	0.	0.
2	Lr	GLOBAL	0.	0.	-96.08	0.	0.
2	G	GLOBAL	0.	0.	-96.08	0.	0.
2	W	GLOBAL	0.	0.	-140.77	0.	0.
3	D	GLOBAL	0.	0.	-182.54	0.	0.
3	Lr	GLOBAL	0.	0.	-96.08	0.	0.
3	G	GLOBAL	0.	0.	-96.08	0.	0.
3	W	GLOBAL	0.	0.	-140.77	0.	0.
12	D	GLOBAL	0.	0.	-182.54	0.	0.
12	Lr	GLOBAL	0.	0.	-96.08	0.	0.
12	G	GLOBAL	0.	0.	-96.08	0.	0.
12	W	GLOBAL	0.	0.	-140.77	0.	0.
13	D	GLOBAL	0.	0.	-182.54	0.	0.
13	Lr	GLOBAL	0.	0.	-96.08	0.	0.
13	G	GLOBAL	0.	0.	-96.08	0.	0.
13	W	GLOBAL	0.	0.	-140.77	0.	0.
14	D	GLOBAL	0.	0.	-182.54	0.	0.
14	Lr	GLOBAL	0.	0.	-96.08	0.	0.
14	G	GLOBAL	0.	0.	-96.08	0.	0.
14	W	GLOBAL	0.	0.	-140.77	0.	0.
15	D	GLOBAL	0.	0.	-182.54	0.	0.
15	Lr	GLOBAL	0.	0.	-96.08	0.	0.
15	G	GLOBAL	0.	0.	-96.08	0.	0.
15	W	GLOBAL	0.	0.	-140.77	0.	0.
16	D	GLOBAL	0.	0.	-182.54	0.	0.
16	Lr	GLOBAL	0.	0.	-96.08	0.	0.
16	G	GLOBAL	0.	0.	-96.08	0.	0.
16	W	GLOBAL	0.	0.	-140.77	0.	0.
17	D	GLOBAL	0.	0.	-182.54	0.	0.
17	Lr	GLOBAL	0.	0.	-96.08	0.	0.
17	G	GLOBAL	0.	0.	-96.08	0.	0.
17	W	GLOBAL	0.	0.	-140.77	0.	0.
18	D	GLOBAL	0.	0.	-182.54	0.	0.
18	Lr	GLOBAL	0.	0.	-96.08	0.	0.
18	G	GLOBAL	0.	0.	-96.08	0.	0.
18	W	GLOBAL	0.	0.	-140.77	0.	0.
19	D	GLOBAL	0.	0.	-182.54	0.	0.
19	Lr	GLOBAL	0.	0.	-96.08	0.	0.
19	G	GLOBAL	0.	0.	-96.08	0.	0.
19	W	GLOBAL	0.	0.	-140.77	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
1	D	0.	a4c6bb0c-0b9a-4a07-acbb-47f6b7f56b4e
1	Lr	0.	9d8829b5-f2c5-4c84-a698-d3b5bb728262
1	G	0.	71d0451c-516a-494c-822f-dfcf86ef0406
1	W	0.	b9eed5e8-466c-4230-aa81-1d30724009fc
2	D	0.	c9705a9f-ee41-46fe-ab6b-dbd32b19724c
2	Lr	0.	7bd972f1-a6c0-453d-9aa8-463b8103088f
2	G	0.	a71e2c8e-3be4-47da-95c0-99171380d833
2	W	0.	b22b0f84-5d50-464e-a008-b5efe26ef49a
3	D	0.	b489de88-f17b-4dfb-a979-f2229f077a62
3	Lr	0.	898babbb-21df-4eaa-adf8-2f069a2a299e
3	G	0.	a75c5c10-deb4-4b82-b46f-eb62b13afad2
3	W	0.	89b4de78-3dd4-4f18-a586-c3a9418b0ab6
12	D	0.	20c43eae-4b1a-444e-a110-5929ea92553a
12	Lr	0.	54c8b400-9d5a-4a52-b09c-f2c3d8e83414
12	G	0.	3a99b0d6-7a35-4498-bf12-7a7adb08d100
12	W	0.	c14da858-e0b0-42e9-8ebd-124cf625811a
13	D	0.	dde891d8-e1fb-4c06-b94f-7edc47160de0
13	Lr	0.	8887454b-cfb4-45a4-85fe-525497fb97ae
13	G	0.	adbaf232-7cbf-48e3-8b97-f9671bfa7c89
13	W	0.	46e01cef-6660-4a1b-99b9-778ad3b8b8bb
14	D	0.	f620c165-6238-4b1a-8781-a92592dbbc1f
14	Lr	0.	9cd027ab-a6f9-4eff-82be-a3d1cd1b5fea
14	G	0.	1edc6e02-a4c3-429f-a20c-4564fdc23d7a
14	W	0.	b1235972-e884-471b-a455-a835bfeab877
15	D	0.	7d4cbd3f-a390-4b42-adac-4b6d227d5c18
15	Lr	0.	5128e9ac-d12e-4c6e-855a-0063468642f4

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
15	G	0.	c41fc98c-abef-4549-83c0-481c42f1097a
15	W	0.	5d643a54-49e8-49a8-b226-421d55764ce4
16	D	0.	ae139aaf-064e-4e74-81e1-013ec58f8f15
16	Lr	0.	811910d1-ad81-437b-a0fc-19c8637d26f9
16	G	0.	1ccd75b0-2758-4795-a534-4139dc626dab
16	W	0.	c5c9b928-3225-4f4c-8707-f1344c80acf7
17	D	0.	6f32fddd-d473-49f9-a8fc-c3529cc2b3b0
17	Lr	0.	5ab928ed-c83c-4c14-88a2-d9c9b0373243
17	G	0.	83734f7d-85a0-42b6-96d9-af38b2432aaa
17	W	0.	80f77126-c66b-4c49-809c-ecc43f009dd5
18	D	0.	4eb7312b-c123-4a11-a1a6-8a2eb2e57240
18	Lr	0.	23fbc09d-e407-4971-95ff-77aab24dc83d
18	G	0.	4dcb7d97-52a1-453c-a105-6384ddd6a4c8
18	W	0.	a9dd8c4e-9f82-4f47-a2c5-686769e837c3
19	D	0.	1b08019a-faf5-4830-b545-eefc0c4dda91
19	Lr	0.	caeb1b6d-44b8-4802-93df-cd187c3857ec
19	G	0.	d9f81bb5-ba32-48b9-a0cb-cffbf897cac6
19	W	0.	c51624bb-891c-4c37-8c20-f037b44d6384

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

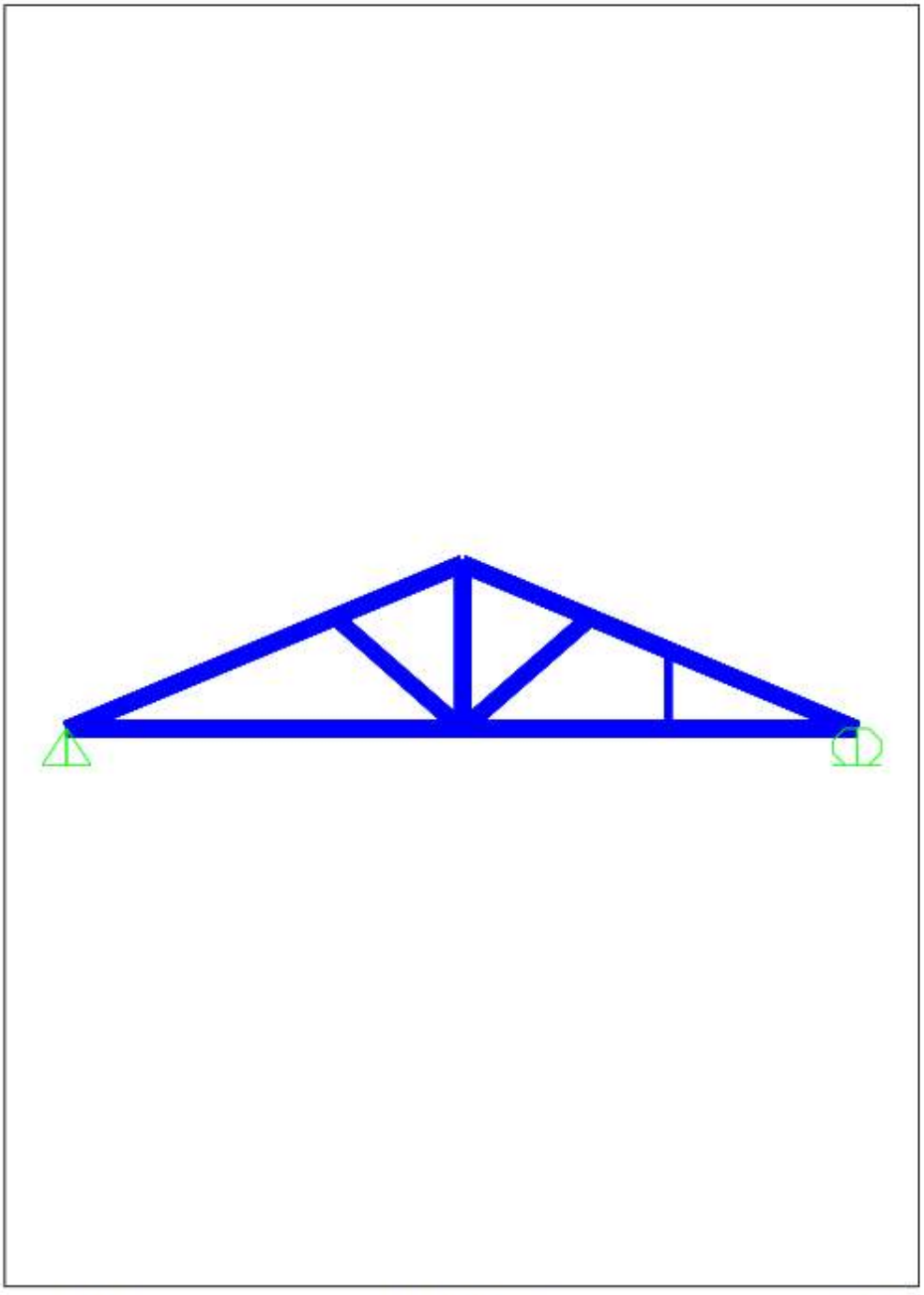
Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

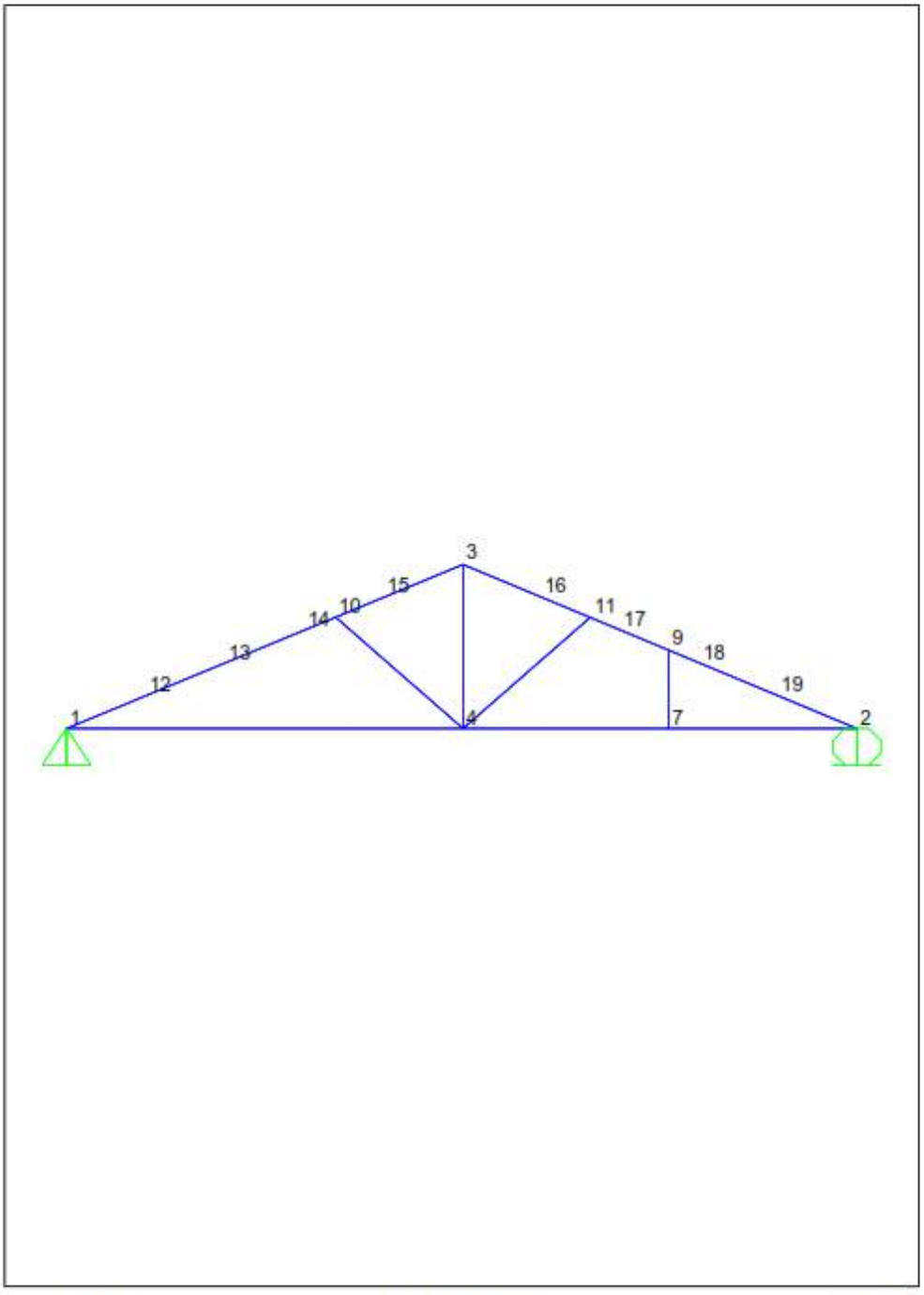
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 1.sdb



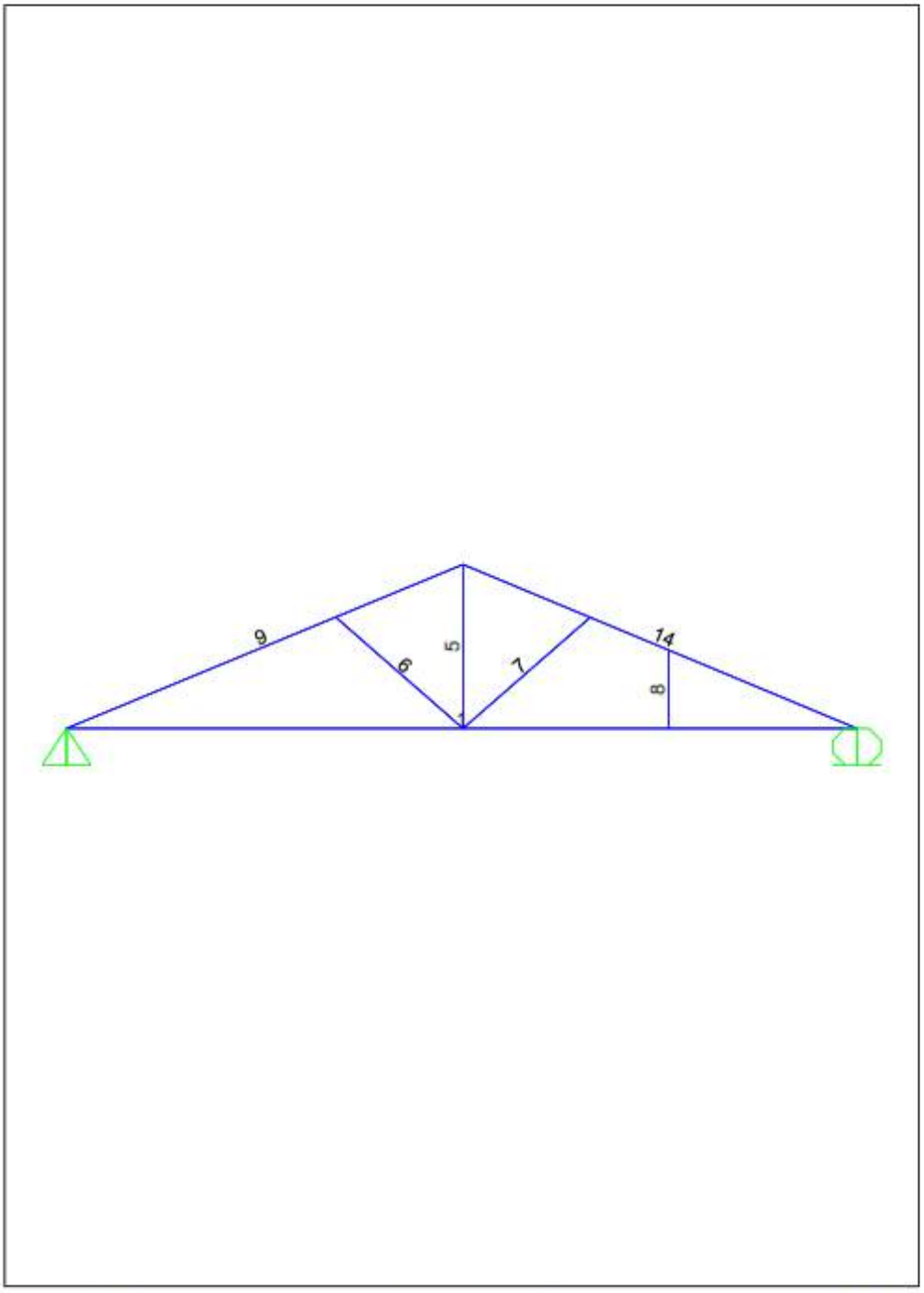
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 1.sdb



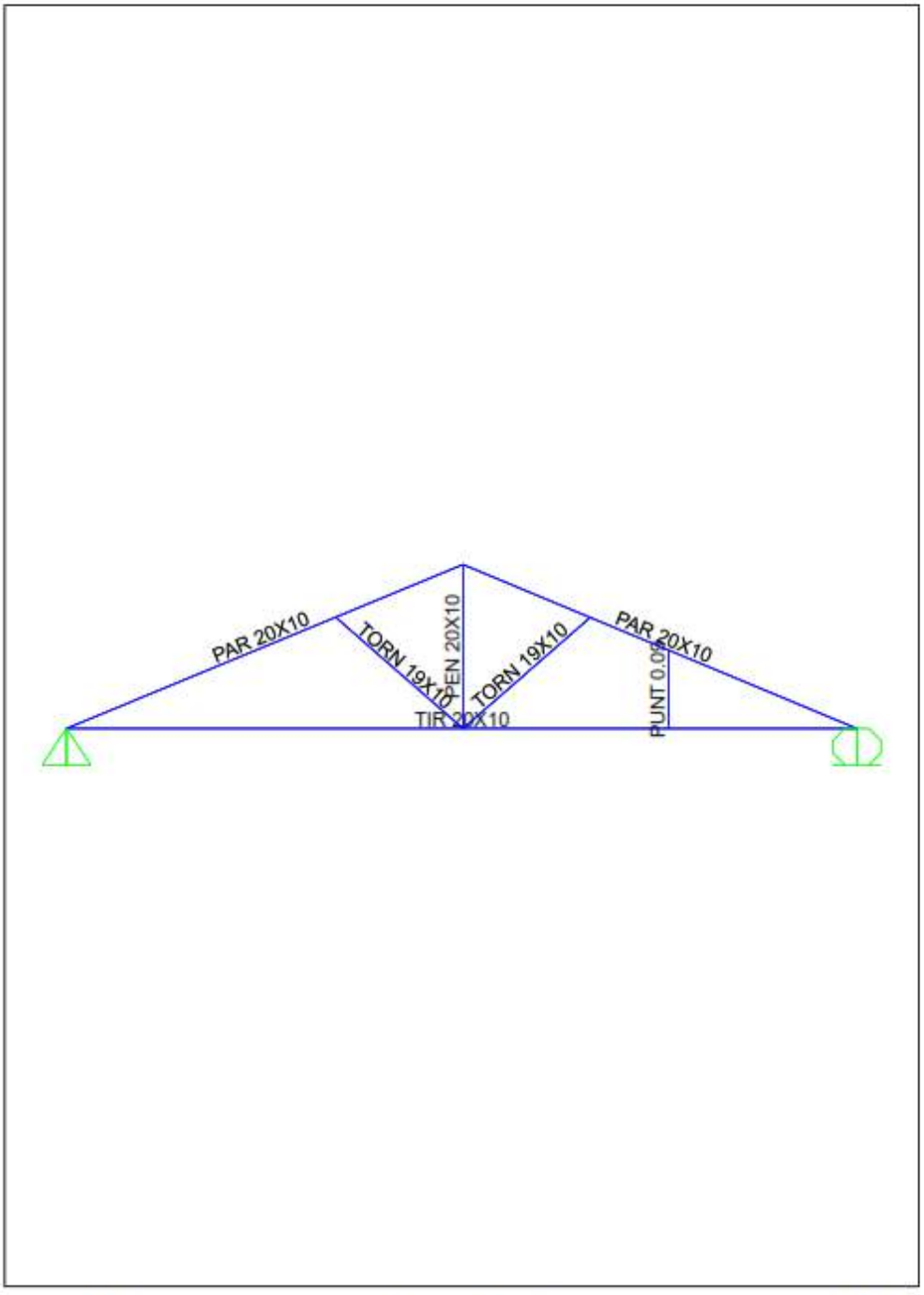
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CERCHA TIPO 1.sdb



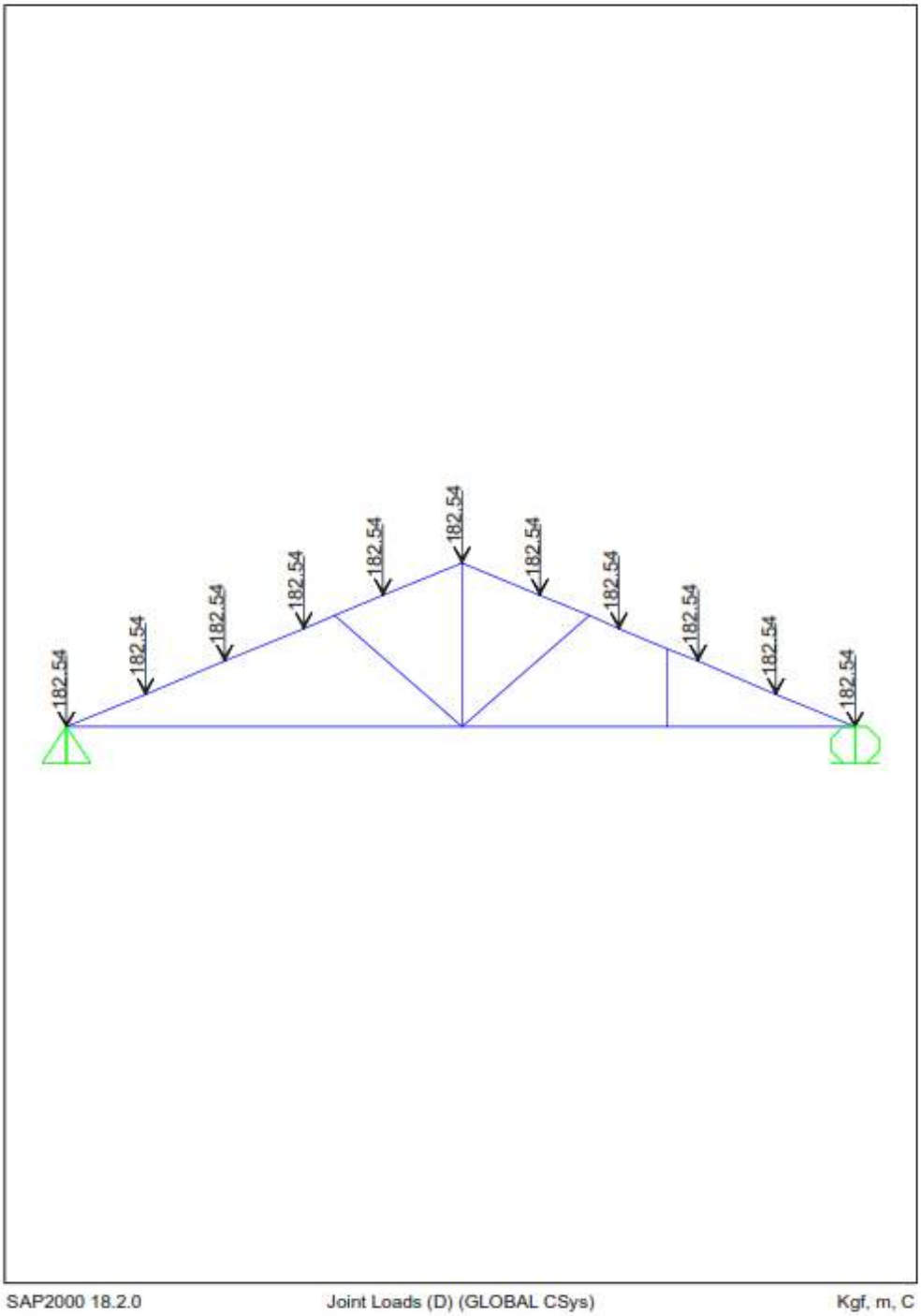
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CERCHA TIPO 1.sdb



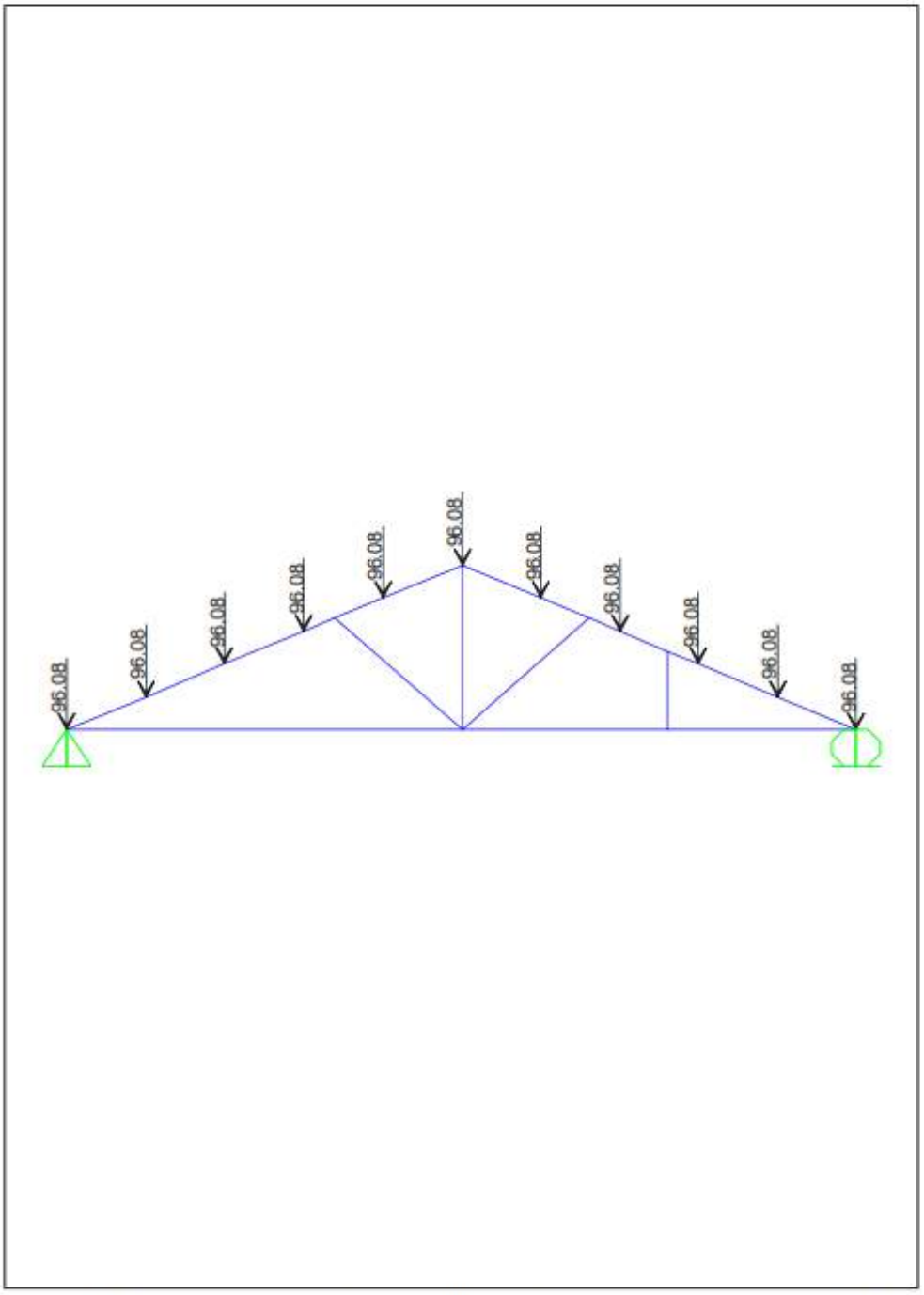
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CERCHA TIPO 1.sdb



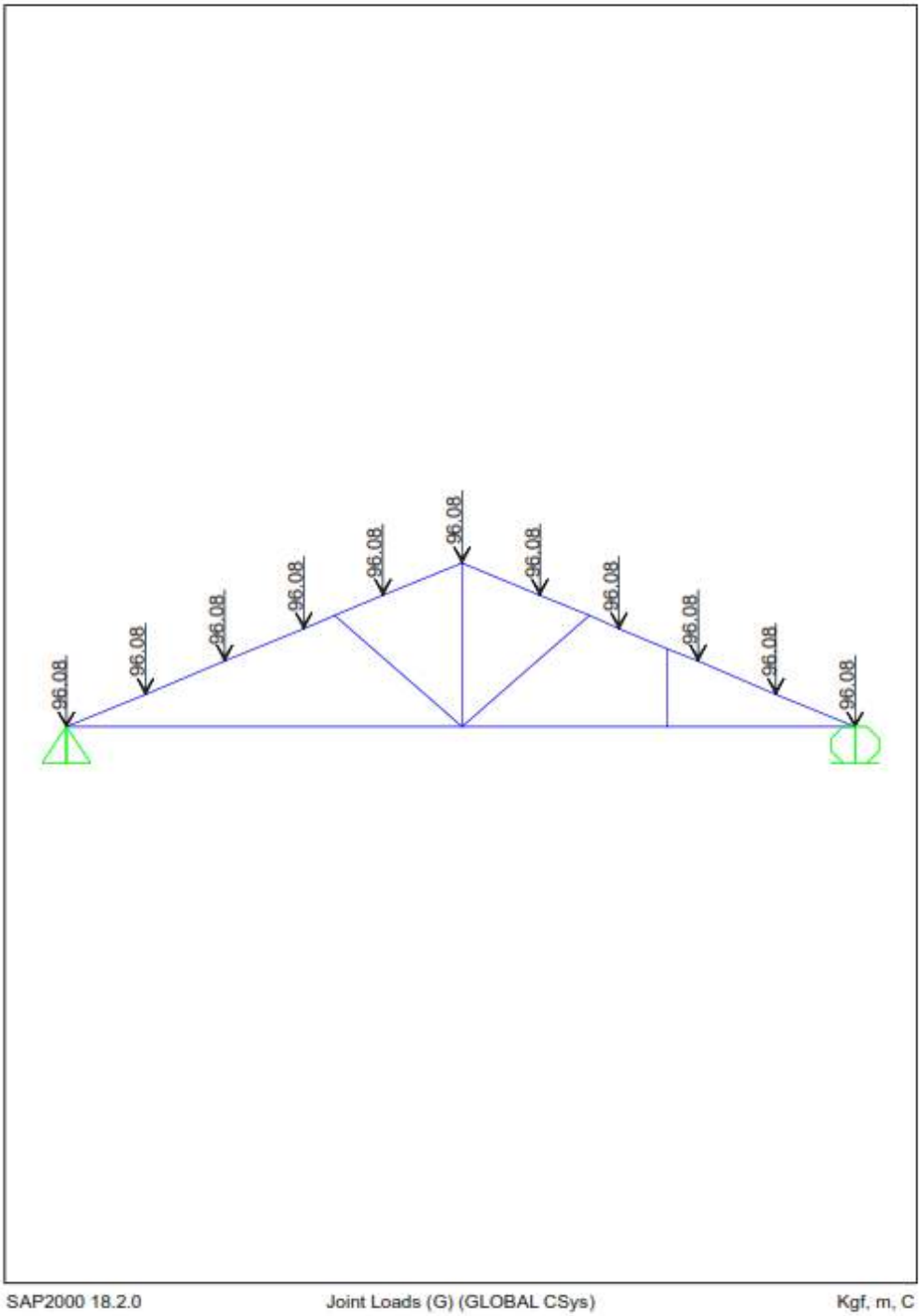
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



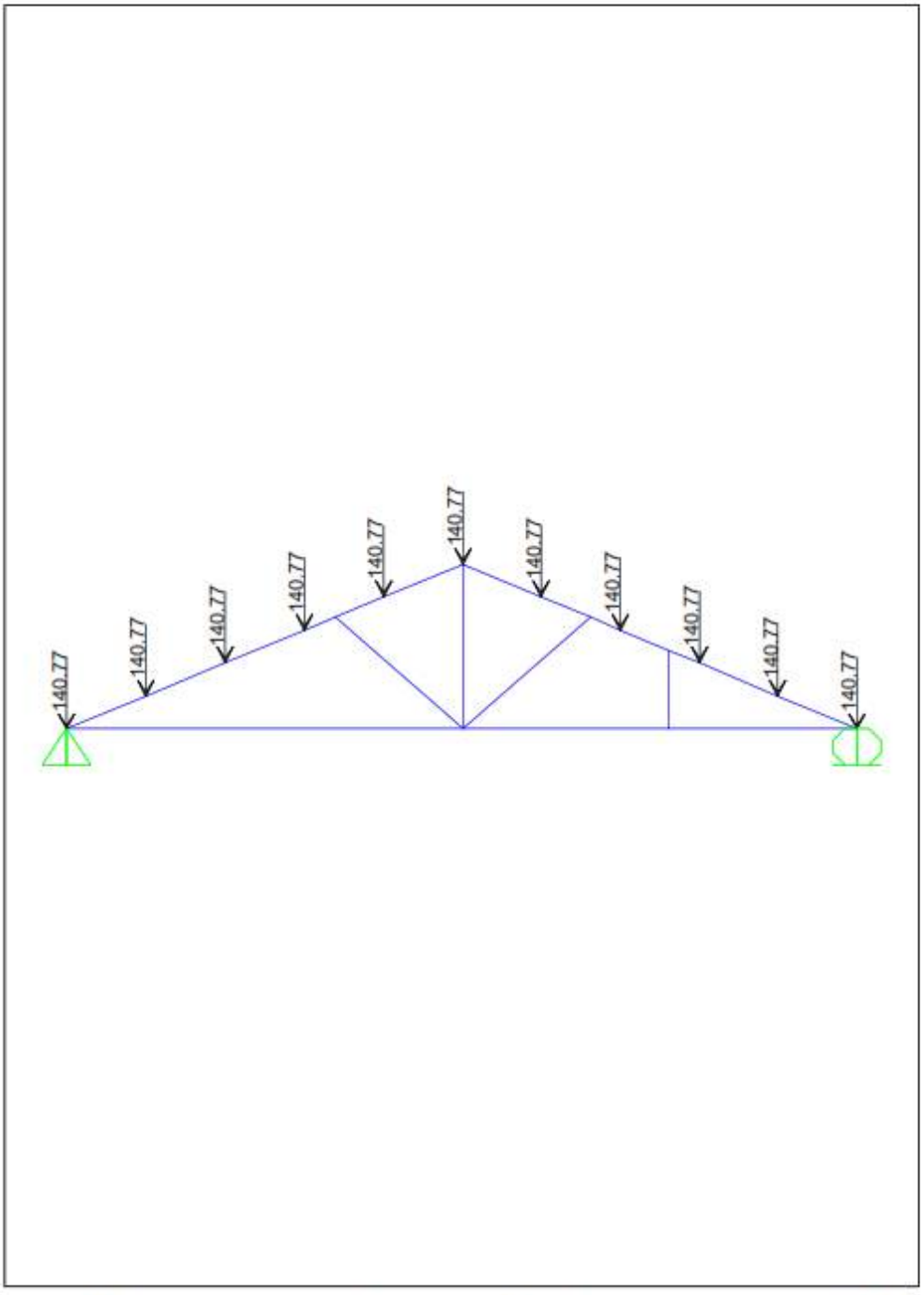
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



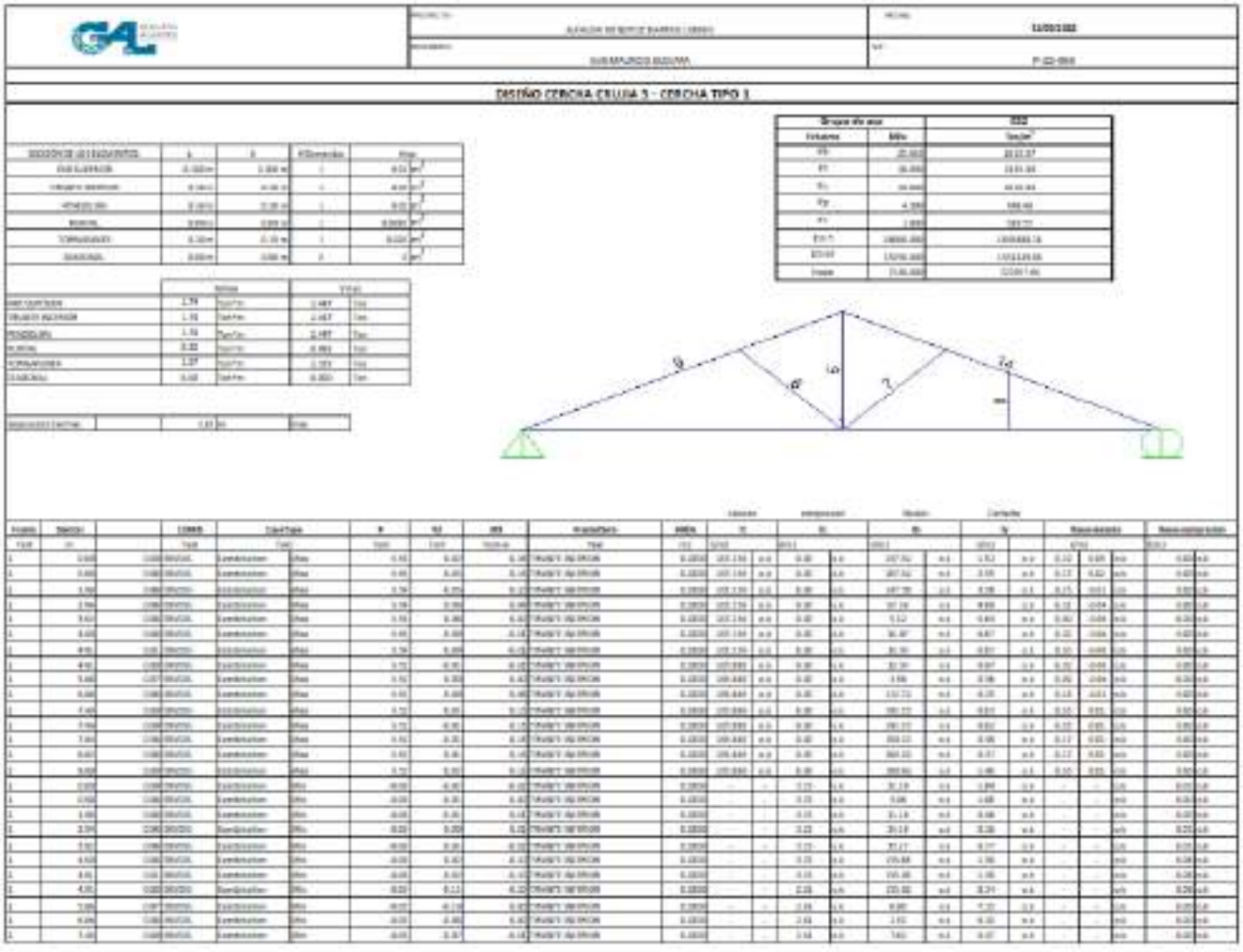
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elementos Grupo ES2



DISEÑO CERCHA CELDA 5 - CERCHA TIPO 1

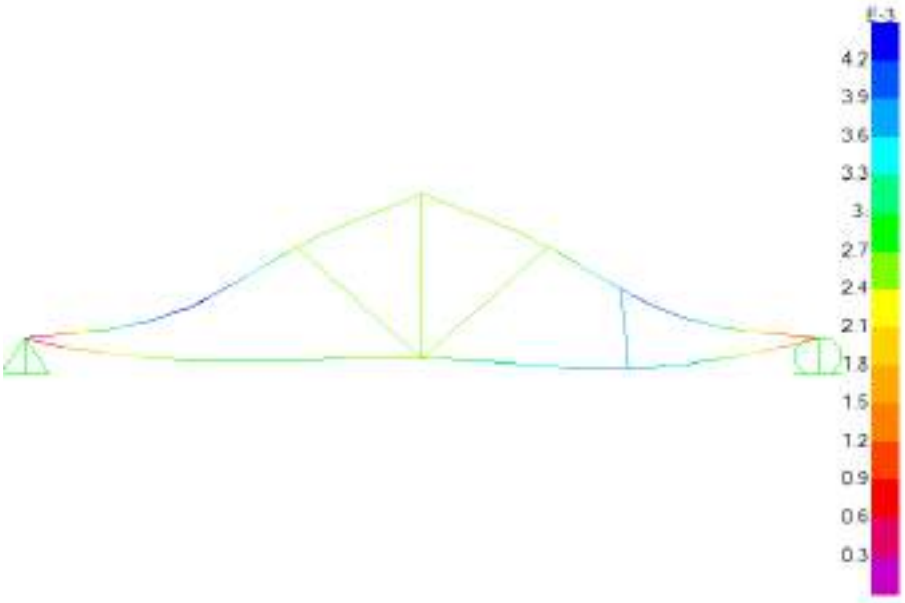
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
1	7.46	0.00	ENVDIS	Combination	Min	-0.05	-0.01	-0.01	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	7.62	o.k	1.12	o.k	-	-	o.k	0.00	o.k
1	7.84	0.36	ENVDIS	Combination	Min	-0.05	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	5.81	o.k	0.72	o.k	-	-	o.k	0.00	o.k
1	8.82	0.98	ENVDIS	Combination	Min	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	2.56	o.k	0.18	o.k	-	-	o.k	0.00	o.k
1	9.80	0.00	ENVDIS	Combination	Min	-0.05	0.01	-0.01	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	13.01	o.k	0.79	o.k	-	-	o.k	0.01	o.k
5	0.00	0.00	ENVDIS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.285	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	0.21	0.21	ENVDIS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.425	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	0.41	0.21	ENVDIS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.570	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	0.62	0.21	ENVDIS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.715	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	0.82	0.21	ENVDIS	Combination	Max	1.78	0.00	0.00	TIRANTE INFERIOR	0.0200	88.855	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	1.03	0.21	ENVDIS	Combination	Max	1.78	0.00	0.00	TIRANTE INFERIOR	0.0200	89.000	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	1.23	0.21	ENVDIS	Combination	Max	1.78	0.00	0.00	TIRANTE INFERIOR	0.0200	89.145	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	1.44	0.21	ENVDIS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.285	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	1.64	0.21	ENVDIS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.430	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	1.85	0.21	ENVDIS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.575	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	2.05	0.00	ENVDIS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.720	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
5	0.00	0.00	ENVDIS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.21	0.21	ENVDIS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.60	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.41	0.21	ENVDIS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.62	0.21	ENVDIS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.42	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.82	0.21	ENVDIS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.34	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.03	0.21	ENVDIS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.25	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.23	0.21	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.17	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.44	0.21	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.64	0.21	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.009	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
5	1.85	0.21	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.095	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
5	2.05	0.00	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.180	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Max	0.05	-0.01	0.00	PENDOLON	0.0200	2.435	o.k	0.00	o.k	0.00	-	0.47	o.k	0.00	0.00	o.k	0.00	o.k
6	0.21	0.21	ENVDIS	Combination	Max	0.05	-0.01	0.00	PENDOLON	0.0200	2.490	o.k	0.00	o.k	3.00	o.k	0.38	o.k	0.00	0.00	o.k	0.00	o.k
6	0.42	0.21	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0200	2.545	o.k	0.00	o.k	5.33	o.k	0.28	o.k	0.00	0.00	o.k	0.00	o.k
6	0.65	0.21	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0200	2.600	o.k	0.00	o.k	6.99	o.k	0.19	o.k	0.00	0.00	o.k	0.00	o.k
6	0.84	0.21	ENVDIS	Combination	Max	0.05	0.00	0.01	PENDOLON	0.0200	2.655	o.k	0.00	o.k	8.00	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
6	1.05	0.21	ENVDIS	Combination	Max	0.05	0.00	0.01	PENDOLON	0.0200	2.710	o.k	0.00	o.k	8.33	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.26	0.21	ENVDIS	Combination	Max	0.06	0.00	0.01	PENDOLON	0.0200	2.765	o.k	0.00	o.k	8.00	o.k	0.16	o.k	0.00	0.00	o.k	0.00	o.k
6	1.47	0.21	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.825	o.k	0.00	o.k	6.99	o.k	0.31	o.k	0.00	0.00	o.k	0.00	o.k
6	1.69	0.21	ENVDIS	Combination	Max	0.06	0.01	0.00	PENDOLON	0.0200	2.880	o.k	0.00	o.k	5.33	o.k	0.47	o.k	0.00	0.00	o.k	0.00	o.k
6	1.90	0.21	ENVDIS	Combination	Max	0.06	0.01	0.00	PENDOLON	0.0200	2.935	o.k	0.00	o.k	3.00	o.k	0.63	o.k	0.00	0.00	o.k	0.00	o.k
6	2.11	0.00	ENVDIS	Combination	Max	0.06	0.01	0.00	PENDOLON	0.0200	2.990	o.k	0.00	o.k	0.00	o.k	0.79	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Min	-1.20	-0.01	0.00	PENDOLON	0.0200	-	-	59.79	o.k	0.00	-	0.79	o.k	-	-	o.k	0.00	o.k
6	0.21	0.21	ENVDIS	Combination	Min	-1.19	-0.01	0.00	PENDOLON	0.0200	-	-	59.70	o.k	1.80	o.k	0.63	o.k	-	-	o.k	0.00	o.k
6	0.42	0.21	ENVDIS	Combination	Min	-1.19	-0.01	0.00	PENDOLON	0.0200	-	-	59.61	o.k	3.20	o.k	0.47	o.k	-	-	o.k	0.00	o.k
6	0.65	0.21	ENVDIS	Combination	Min	-1.19	0.00	0.00	PENDOLON	0.0200	-	-	59.52	o.k	4.20	o.k	0.31	o.k	-	-	o.k	0.00	o.k
6	0.84	0.21	ENVDIS	Combination	Min	-1.19	0.00	0.00	PENDOLON	0.0200	-	-	59.42	o.k	4.80	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.05	0.21	ENVDIS	Combination	Min	-1.19	0.00	0.00	PENDOLON	0.0200	-	-	59.33	o.k	5.00	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	1.26	0.21	ENVDIS	Combination	Min	-1.18	0.00	0.00	PENDOLON	0.0200	-	-	59.24	o.k	4.80	o.k	0.10	o.k	-	-	o.k	0.00	o.k
6	1.47	0.21	ENVDIS	Combination	Min	-1.18	0.00	0.00	PENDOLON	0.0200	-	-	59.15	o.k	4.20	o.k	0.19	o.k	-	-	o.k	0.00	o.k
6	1.69	0.21	ENVDIS	Combination	Min	-1.18	0.00	0.00	PENDOLON	0.0200	-	-	59.06	o.k	3.20	o.k	0.28	o.k	-	-	o.k	0.00	o.k
6	1.90	0.21	ENVDIS	Combination	Min	-1.18	0.01	0.00	PENDOLON	0.0200	-	-	58.96	o.k	1.80	o.k	0.38	o.k	-	-	o.k	0.00	o.k
6	2.11	0.00	ENVDIS	Combination	Min	-1.18	0.01	0.00	PENDOLON	0.0200	-	-	58.87	o.k	0.00	o.k	0.47	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Max	0.03	-0.01	0.00	TORNAPUNTA	0.0190	1.805	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	0.21	0.21	ENVDIS	Combination	Max	0.04	-0.01	0.00	TORNAPUNTA	0.0190	1.863	o.k	0.00	o.k	2.99	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
7	0.42	0.21	ENVDIS	Combination	Max	0.04	0.00	0.00	TORNAPUNTA	0.0190	1.921	o.k	0.00	o.k	5.31	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.65	0.21	ENVDIS	Combination	Max	0.04	0.00	0.00	TORNAPUNTA	0.0190	1.979	o.k	0.00	o.k	6.98	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
7	0.84	0.21	ENVDIS	Combination	Max	0.04	0.00	0.01	TORNAPUNTA	0.0190	2.037	o.k	0.00	o.k	7.98	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
7	1.05	0.21	ENVDIS	Combination	Max	0.04	0.00	0.01	TORNAPUNTA	0.0190	2.095	o.k	0.00	o.k	8.31	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
7	1.26	0.21	ENVDIS	Combination	Max	0.04	0.00	0.01	TORNAPUNTA	0.0190	2.158	o.k	0.00	o.k	7.98	o.k	0.17	o.k	0.00	0.00	o.k	0.00	o.k
7	1.47	0.21	ENVDIS	Combination	Max	0.04	0.00	0.00	TORNAPUNTA	0.0190	2.216	o.k	0.00	o.k	6.98	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
7	1.68	0.21	ENVDIS	Combination	Max	0.04	0.01	0.00	TORNAPUNTA	0.0190	2.274	o.k	0.00	o.k	5.31	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	1.89	0.21	ENVDIS	Combination	Max	0.04	0.01	0.00	TORNAPUNTA	0.0190	2.332	o.k	0.00	o.k	2.99	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
7	2.10	0.00	ENVDIS	Combination	Max	0.05	0.01	0.00	TORNAPUNTA	0.0190	2.389	o.k	0.00	o.k	0.00	o.k	0.83	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0190	-	-	61.05	o.k	0.00	-	0.83	o.k	-	-	o.k	0.00	o.k
7	0.21	0.21	ENVDIS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0190	-	-	60.96	o.k	1.80	o.k	0.66	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
7	0.42	0.21	ENVOIS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0190	-	-	60.86	o.k	5.20	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.63	0.21	ENVOIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.76	o.k	4.19	o.k	0.33	o.k	-	-	o.k	0.00	o.k
7	0.84	0.21	ENVOIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.66	o.k	4.79	o.k	0.17	o.k	-	-	o.k	0.00	o.k
7	1.05	0.21	ENVOIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.57	o.k	4.98	o.k	0.00	o.k	-	-	o.k	0.00	o.k
7	1.26	0.21	ENVOIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.47	o.k	4.79	o.k	0.10	o.k	-	-	o.k	0.00	o.k
7	1.47	0.21	ENVOIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.57	o.k	4.19	o.k	0.20	o.k	-	-	o.k	0.00	o.k
7	1.68	0.21	ENVOIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.27	o.k	5.20	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.89	0.21	ENVOIS	Combination	Min	-1.14	0.01	0.00	TORNAPUNTA	0.0190	-	-	60.18	o.k	1.80	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	2.10	0.00	ENVOIS	Combination	Min	-1.14	0.01	0.00	TORNAPUNTA	0.0190	-	-	60.08	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.879	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.10	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.900	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.20	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.916	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.29	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.932	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.39	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.953	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.49	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.968	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.59	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.984	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.69	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.005	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.78	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.021	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.88	0.10	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.037	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.98	0.00	ENVOIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.058	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.00	0.00	ENVOIS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	3.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.10	0.10	ENVOIS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	3.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.20	0.10	ENVOIS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.99	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.29	0.10	ENVOIS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.97	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.39	0.10	ENVOIS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.49	0.10	ENVOIS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.91	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.59	0.10	ENVOIS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.88	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.69	0.10	ENVOIS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.78	0.10	ENVOIS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.88	0.10	ENVOIS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.98	0.00	ENVOIS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.76	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVOIS	Combination	Max	0.08	0.02	0.02	TORNAPUNTA	0.0190	4.095	o.k	0.00	o.k	31.19	o.k	1.81	o.k	0.01	0.01	o.k	0.00	o.k
9	0.53	0.53	ENVOIS	Combination	Max	0.08	0.03	0.04	TORNAPUNTA	0.0190	4.189	o.k	0.00	o.k	66.18	o.k	2.14	o.k	0.03	0.02	o.k	0.00	o.k
9	1.06	0.53	ENVOIS	Combination	Max	0.08	0.03	0.25	TORNAPUNTA	0.0190	4.279	o.k	0.00	o.k	374.19	o.k	2.46	o.k	0.15	0.14	o.k	0.00	o.k
9	1.06	0.00	ENVOIS	Combination	Max	0.07	0.00	0.25	TORNAPUNTA	0.0190	3.647	o.k	0.00	o.k	374.19	o.k	0.18	o.k	0.15	0.14	o.k	0.00	o.k
9	1.60	0.53	ENVOIS	Combination	Max	0.07	0.01	0.27	PUNTAL	0.0081	8.785	o.k	0.00	o.k	411.44	o.k	1.20	o.k	0.16	0.15	o.k	0.00	o.k
9	2.13	0.53	ENVOIS	Combination	Max	0.07	0.01	0.30	PUNTAL	0.0081	8.975	o.k	0.00	o.k	443.21	o.k	1.96	o.k	0.17	0.17	o.k	0.00	o.k
9	2.13	0.00	ENVOIS	Combination	Max	0.06	0.30	0.30	PUNTAL	0.0081	7.494	o.k	0.00	o.k	443.21	o.k	54.81	o.k	0.17	0.17	o.k	0.00	o.k
9	2.66	0.53	ENVOIS	Combination	Max	0.06	0.30	0.14	PUNTAL	0.0081	7.704	o.k	0.00	o.k	204.23	o.k	56.09	o.k	0.08	0.08	o.k	0.00	o.k
9	3.19	0.53	ENVOIS	Combination	Max	0.06	0.31	0.00	PUNTAL	0.0081	7.914	o.k	0.00	o.k	0.21	o.k	57.57	o.k	0.00	0.00	o.k	0.00	o.k
9	3.19	0.00	ENVOIS	Combination	Max	0.05	0.64	0.00	PUNTAL	0.0081	6.432	o.k	0.00	o.k	0.21	o.k	118.91	o.k	0.00	0.00	o.k	0.00	o.k
9	3.60	0.41	ENVOIS	Combination	Max	0.05	0.65	0.02	PUNTAL	0.0081	6.593	o.k	0.00	o.k	23.15	o.k	119.89	o.k	0.01	0.01	o.k	0.00	o.k
9	3.60	0.00	ENVOIS	Combination	Max	0.03	0.02	0.02	PUNTAL	0.0081	4.049	o.k	0.00	o.k	23.15	o.k	3.85	o.k	0.01	0.01	o.k	0.00	o.k
9	3.72	0.12	ENVOIS	Combination	Max	0.03	0.02	0.01	PUNTAL	0.0081	4.086	o.k	0.00	o.k	19.26	o.k	4.04	o.k	0.01	0.01	o.k	0.00	o.k
9	4.26	0.53	ENVOIS	Combination	Max	0.03	0.03	0.00	PUNTAL	0.0081	4.309	o.k	0.00	o.k	0.26	o.k	4.80	o.k	0.00	0.00	o.k	0.00	o.k
9	4.26	0.00	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.815	o.k	0.00	o.k	0.26	o.k	0.56	o.k	0.00	0.00	o.k	0.00	o.k
9	4.79	0.53	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	3.025	o.k	0.00	o.k	3.92	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k
9	5.32	0.00	ENVOIS	Combination	Max	0.03	0.01	0.05	PUNTAL	0.0081	3.247	o.k	0.00	o.k	46.91	o.k	0.98	o.k	0.02	0.02	o.k	0.00	o.k
9	0.00	0.00	ENVOIS	Combination	Min	-5.79	-0.40	-0.16	PUNTAL	0.0081	-	-	467.88	o.k	247.32	o.k	73.57	o.k	-	-	o.k	0.15	o.k
9	0.53	0.53	ENVOIS	Combination	Min	-5.79	-0.39	0.01	PUNTAL	0.0081	-	-	467.52	o.k	11.24	o.k	72.11	o.k	-	-	o.k	0.06	o.k
9	1.06	0.53	ENVOIS	Combination	Min	-5.78	-0.38	-0.01	PUNTAL	0.0081	-	-	467.17	o.k	12.00	o.k	70.83	o.k	-	-	o.k	0.06	o.k
9	1.06	0.00	ENVOIS	Combination	Min	-5.65	-0.05	-0.01	PUNTAL	0.0081	-	-	450.04	o.k	12.00	o.k	9.28	o.k	-	-	o.k	0.05	o.k
9	1.60	0.53	ENVOIS	Combination	Min	-5.64	-0.04	-0.01	PUNTAL	0.0081	-	-	449.68	o.k	15.53	o.k	8.00	o.k	-	-	o.k	0.06	o.k
9	2.13	0.53	ENVOIS	Combination	Min	-5.64	-0.04	-0.01	PUNTAL	0.0081	-	-	449.33	o.k	22.32	o.k	8.74	o.k	-	-	o.k	0.06	o.k
9	2.13	0.00	ENVOIS	Combination	Min	-5.50	-0.02	-0.01	PUNTAL	0.0081	-	-	432.20	o.k	22.32	o.k	5.37	o.k	-	-	o.k	0.05	o.k
9	2.66	0.53	ENVOIS	Combination	Min	-5.50	-0.01	-0.01	PUNTAL	0.0081	-	-	431.84	o.k	9.42	o.k	2.61	o.k	-	-	o.k	0.05	o.k
9	3.19	0.53	ENVOIS	Combination	Min	-5.50	-0.01	-0.05	PUNTAL	0.0081	-	-	431.49	o.k	40.26	o.k	1.85	o.k	-	-	o.k	0.06	o.k
9	3.19	0.00	ENVOIS	Combination	Min	-5.36	-0.04	-0.05	PAR SUPERIOR	0.0200	-	-	167.82	o.k	40.26	o.k	2.91	o.k	-	-	o.k	0.02	o.k
9	3.60	0.41	ENVOIS	Combination	Min	-5.35	-0.04	-0.29	PAR SUPERIOR	0.0200	-	-	167.71	o.k	457.45	o.k	2.87	o.k	-	-	o.k	0.17	o.k
9	3.60	0.00	ENVOIS	Combination	Min	-2.83	-0.41	-0.29	PAR SUPERIOR	0.0200	-	-	141.31	o.k	457.45	o.k	30.57	o.k	-	-	o.k	0.17	o.k
9	3.72	0.12	ENVOIS	Combination	Min	-2.83	-0.40	-0.24	PAR SUPERIOR	0.0200	-	-	141.28	o.k	365.80	o.k	30.25	o.k	-	-	o.k	0.14	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
9	4.26	0.53	ENVOIS	Combination	Min	-2.82	-0.40	-0.05	PAR SUPERIOR	0.0200	-	-	141.13	o.k	44.57	o.k	29.74	o.k	-	-	o.k	0.02	o.k
9	4.26	0.00	ENVOIS	Combination	Min	-2.68	-0.06	-0.03	PAR SUPERIOR	0.0200	-	-	134.20	o.k	44.57	o.k	4.81	o.k	-	-	o.k	0.02	o.k
9	4.79	0.53	ENVOIS	Combination	Min	-2.68	-0.06	0.00	PAR SUPERIOR	0.0200	-	-	134.05	o.k	0.98	o.k	4.30	o.k	-	-	o.k	0.00	o.k
9	5.32	0.00	ENVOIS	Combination	Min	-2.68	-0.05	0.00	PAR SUPERIOR	0.0200	-	-	133.91	o.k	1.61	o.k	3.78	o.k	-	-	o.k	0.01	o.k
14	0.00	0.00	ENVOIS	Combination	Max	0.03	0.04	0.03	PAR SUPERIOR	0.0200	1.270	o.k	0.00	o.k	46.91	o.k	3.34	o.k	0.02	0.02	o.k	0.00	o.k
14	0.53	0.53	ENVOIS	Combination	Max	0.02	0.05	0.01	PAR SUPERIOR	0.0200	1.180	o.k	0.00	o.k	8.78	o.k	3.85	o.k	0.00	0.00	o.k	0.00	o.k
14	1.06	0.53	ENVOIS	Combination	Max	0.02	0.06	0.00	PAR SUPERIOR	0.0200	1.095	o.k	0.00	o.k	5.29	o.k	4.36	o.k	0.00	0.00	o.k	0.00	o.k
14	1.06	0.00	ENVOIS	Combination	Max	0.03	0.59	0.00	PAR SUPERIOR	0.0200	1.700	o.k	0.00	o.k	5.29	o.k	29.28	o.k	0.00	0.00	o.k	0.00	o.k
14	1.59	0.53	ENVOIS	Combination	Max	0.03	0.40	0.01	PAR SUPERIOR	0.0200	1.615	o.k	0.00	o.k	13.89	o.k	29.79	o.k	0.01	0.00	o.k	0.00	o.k
14	1.72	0.13	ENVOIS	Combination	Max	0.03	0.40	0.01	PAR SUPERIOR	0.0200	1.595	o.k	0.00	o.k	17.48	o.k	29.91	o.k	0.01	0.01	o.k	0.00	o.k
14	1.72	0.00	ENVOIS	Combination	Max	0.05	0.05	0.01	PAR SUPERIOR	0.0200	2.305	o.k	0.00	o.k	17.48	o.k	1.87	o.k	0.01	0.01	o.k	0.00	o.k
14	2.12	0.40	ENVOIS	Combination	Max	0.04	0.05	0.00	PAR SUPERIOR	0.0200	2.240	o.k	0.00	o.k	1.37	o.k	2.11	o.k	0.00	0.00	o.k	0.00	o.k
14	2.12	0.00	ENVOIS	Combination	Max	0.06	0.00	0.00	PAR SUPERIOR	0.0200	2.845	o.k	0.00	o.k	1.37	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
14	2.65	0.53	ENVOIS	Combination	Max	0.06	0.00	0.12	PAR SUPERIOR	0.0200	2.760	o.k	0.00	o.k	176.67	o.k	0.25	o.k	0.07	0.07	o.k	0.00	o.k
14	2.77	0.11	ENVOIS	Combination	Max	0.05	0.00	0.15	PAR SUPERIOR	0.0200	2.740	o.k	0.00	o.k	224.01	o.k	0.32	o.k	0.09	0.08	o.k	0.00	o.k
14	2.77	0.00	ENVOIS	Combination	Max	0.05	0.02	0.15	PAR SUPERIOR	0.0200	2.350	o.k	0.00	o.k	224.01	o.k	1.71	o.k	0.09	0.08	o.k	0.00	o.k
14	3.18	0.42	ENVOIS	Combination	Max	0.05	0.03	0.28	PAR SUPERIOR	0.0200	2.285	o.k	0.00	o.k	425.25	o.k	1.95	o.k	0.16	0.16	o.k	0.00	o.k
14	3.18	0.00	ENVOIS	Combination	Max	0.06	0.01	0.28	PAR SUPERIOR	0.0200	2.890	o.k	0.00	o.k	425.25	o.k	0.94	o.k	0.16	0.16	o.k	0.00	o.k
14	3.71	0.53	ENVOIS	Combination	Max	0.06	0.02	0.27	PAR SUPERIOR	0.0200	2.800	o.k	0.00	o.k	412.47	o.k	1.46	o.k	0.16	0.16	o.k	0.00	o.k
14	4.24	0.53	ENVOIS	Combination	Max	0.05	0.03	0.26	PAR SUPERIOR	0.0200	2.715	o.k	0.00	o.k	394.25	o.k	1.97	o.k	0.15	0.15	o.k	0.00	o.k
14	4.24	0.00	ENVOIS	Combination	Max	0.07	0.56	0.26	PAR SUPERIOR	0.0200	5.320	o.k	0.00	o.k	394.25	o.k	26.89	o.k	0.15	0.15	o.k	0.00	o.k
14	4.77	0.53	ENVOIS	Combination	Max	0.06	0.57	0.07	PAR SUPERIOR	0.0200	5.235	o.k	0.00	o.k	106.40	o.k	27.40	o.k	0.04	0.04	o.k	0.00	o.k
14	5.30	0.00	ENVOIS	Combination	Max	0.06	0.57	0.01	PAR SUPERIOR	0.0200	5.145	o.k	0.00	o.k	13.01	o.k	27.91	o.k	0.01	0.00	o.k	0.00	o.k
14	0.00	0.00	ENVOIS	Combination	Min	-2.68	0.00	0.00	PAR SUPERIOR	0.0200	-	-	133.87	o.k	1.61	o.k	0.22	o.k	-	-	o.k	0.01	o.k
14	0.53	0.53	ENVOIS	Combination	Min	-2.68	0.00	0.00	PAR SUPERIOR	0.0200	-	-	134.01	o.k	0.81	o.k	0.08	o.k	-	-	o.k	0.00	o.k
14	1.06	0.53	ENVOIS	Combination	Min	-2.68	0.01	-0.02	PAR SUPERIOR	0.0200	-	-	134.16	o.k	34.79	o.k	0.39	o.k	-	-	o.k	0.02	o.k
14	1.06	0.00	ENVOIS	Combination	Min	-2.82	-0.02	-0.02	PAR SUPERIOR	0.0200	-	-	141.12	o.k	34.79	o.k	1.77	o.k	-	-	o.k	0.02	o.k
14	1.59	0.53	ENVOIS	Combination	Min	-2.83	-0.02	-0.25	PAR SUPERIOR	0.0200	-	-	141.26	o.k	347.99	o.k	1.46	o.k	-	-	o.k	0.14	o.k
14	1.72	0.13	ENVOIS	Combination	Min	-2.83	-0.02	-0.28	PAR SUPERIOR	0.0200	-	-	141.30	o.k	423.06	o.k	1.39	o.k	-	-	o.k	0.17	o.k
14	1.72	0.00	ENVOIS	Combination	Min	-3.54	-0.62	-0.28	PAR SUPERIOR	0.0200	-	-	166.83	o.k	423.06	o.k	46.66	o.k	-	-	o.k	0.17	o.k
14	2.12	0.40	ENVOIS	Combination	Min	-3.54	-0.62	-0.03	PAR SUPERIOR	0.0200	-	-	166.94	o.k	47.13	o.k	46.27	o.k	-	-	o.k	0.02	o.k
14	2.12	0.00	ENVOIS	Combination	Min	-3.48	-0.28	-0.03	PAR SUPERIOR	0.0200	-	-	173.90	o.k	47.13	o.k	21.36	o.k	-	-	o.k	0.03	o.k
14	2.65	0.53	ENVOIS	Combination	Min	-3.48	-0.28	0.00	PAR SUPERIOR	0.0200	-	-	174.04	o.k	0.30	o.k	20.85	o.k	-	-	o.k	0.01	o.k
14	2.77	0.11	ENVOIS	Combination	Min	-3.48	-0.28	0.00	PAR SUPERIOR	0.0200	-	-	174.08	o.k	0.36	o.k	20.74	o.k	-	-	o.k	0.01	o.k
14	2.77	0.00	ENVOIS	Combination	Min	-3.48	-0.52	0.00	PAR SUPERIOR	0.0200	-	-	173.06	o.k	0.36	o.k	24.37	o.k	-	-	o.k	0.01	o.k
14	3.18	0.42	ENVOIS	Combination	Min	-3.46	-0.52	-0.01	PAR SUPERIOR	0.0200	-	-	173.17	o.k	15.60	o.k	23.98	o.k	-	-	o.k	0.01	o.k
14	3.18	0.00	ENVOIS	Combination	Min	-3.60	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	180.14	o.k	15.60	o.k	0.21	o.k	-	-	o.k	0.01	o.k
14	3.71	0.53	ENVOIS	Combination	Min	-3.61	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	180.28	o.k	15.02	o.k	0.10	o.k	-	-	o.k	0.01	o.k
14	4.24	0.53	ENVOIS	Combination	Min	-3.61	0.01	-0.01	PAR SUPERIOR	0.0200	-	-	180.42	o.k	17.69	o.k	0.40	o.k	-	-	o.k	0.01	o.k
14	4.24	0.00	ENVOIS	Combination	Min	-3.75	-0.02	-0.01	PAR SUPERIOR	0.0200	-	-	187.39	o.k	17.69	o.k	1.75	o.k	-	-	o.k	0.02	o.k
14	4.77	0.53	ENVOIS	Combination	Min	-3.75	-0.02	0.00	PAR SUPERIOR	0.0200	-	-	187.53	o.k	0.71	o.k	1.45	o.k	-	-	o.k	0.01	o.k
14	5.30	0.00	ENVOIS	Combination	Min	-3.75	-0.02	-0.12	PAR SUPERIOR	0.0200	-	-	187.67	o.k	186.92	o.k	1.14	o.k	-	-	o.k	0.62	o.k

CUBIERTA MADERA - CRUJIA 3 - CERCHA TIPO 1

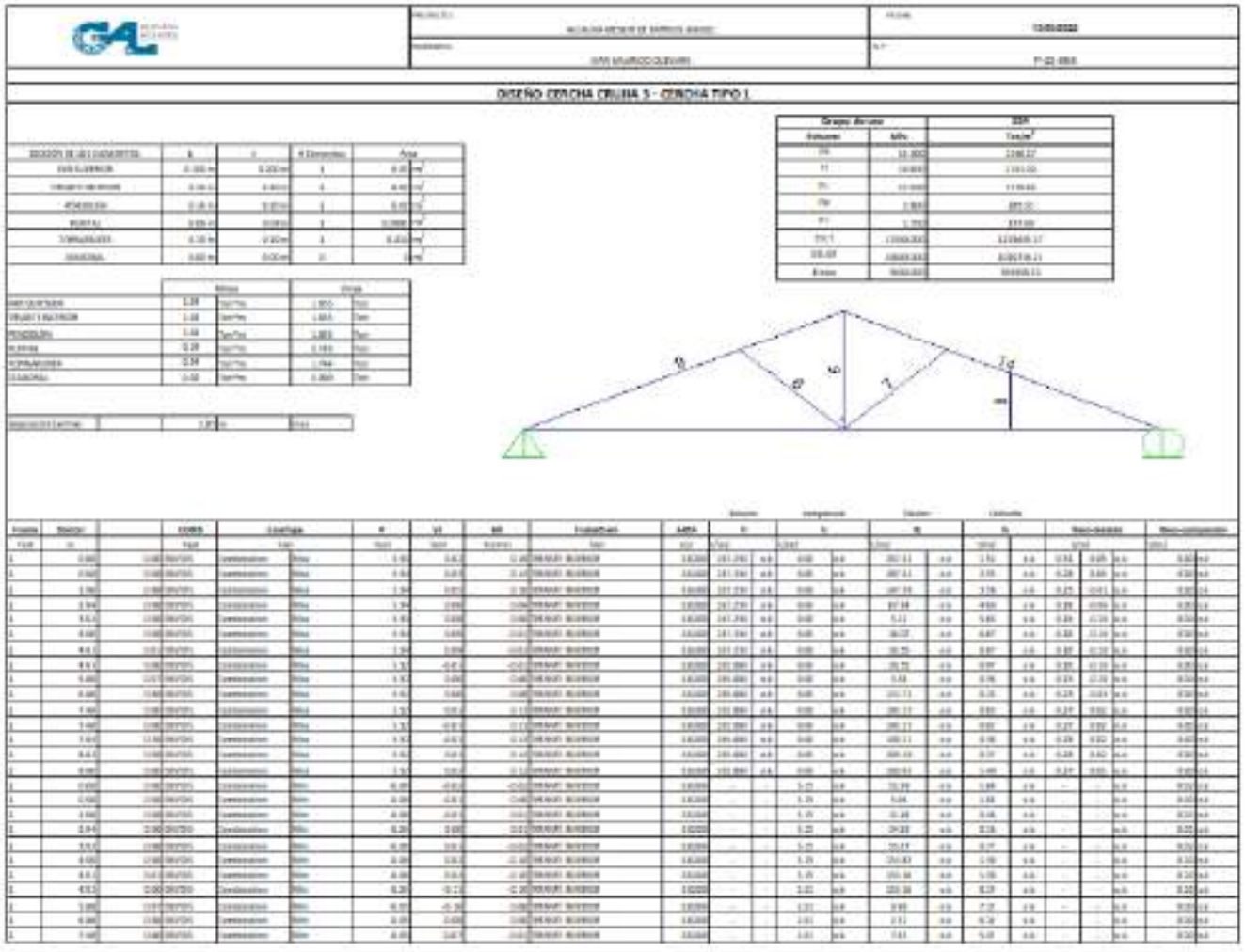
EVALUACION DE DEFORMACIONES



Luz Libre 9.80 m
Deformacion Admisible
3.27 cm CUMPLE
Deforamcion cercha
0.37 cm



Analisis Elementos Grupo ES4



DISEÑO CERCHA CRUJIA 3 - CERCHA TIPO 1

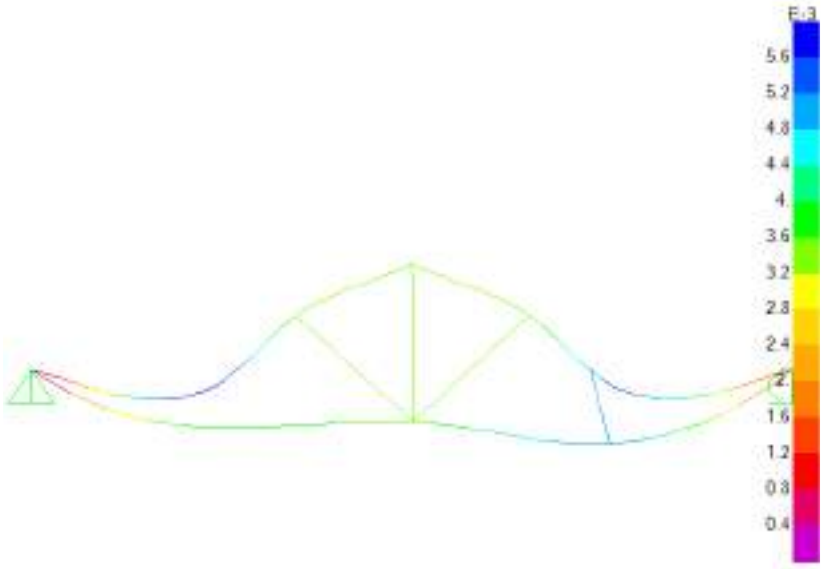
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
1	7.46	0.00	ENVOLS	Combination	Min	-0.05	-0.01	-0.01	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	7.62	o.k	1.12	o.k	-	-	o.k	0.00	o.k
1	7.84	0.38	ENVOLS	Combination	Min	-0.05	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	5.81	o.k	0.72	o.k	-	-	o.k	0.00	o.k
1	8.82	0.98	ENVOLS	Combination	Min	-0.05	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	2.56	o.k	0.18	o.k	-	-	o.k	0.00	o.k
1	9.80	0.00	ENVOLS	Combination	Min	-0.05	0.01	-0.01	TIRANTE INFERIOR	0.0200	-	-	2.61	o.k	13.01	o.k	0.79	o.k	-	-	o.k	0.01	o.k
5	0.00	0.00	ENVOLS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.285	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	0.21	0.21	ENVOLS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.425	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	0.41	0.21	ENVOLS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.570	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	0.62	0.21	ENVOLS	Combination	Max	1.77	0.00	0.00	TIRANTE INFERIOR	0.0200	88.715	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	0.82	0.21	ENVOLS	Combination	Max	1.78	0.00	0.00	TIRANTE INFERIOR	0.0200	88.855	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	1.03	0.21	ENVOLS	Combination	Max	1.78	0.00	0.00	TIRANTE INFERIOR	0.0200	89.000	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	1.23	0.21	ENVOLS	Combination	Max	1.78	0.00	0.00	TIRANTE INFERIOR	0.0200	89.145	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	1.44	0.21	ENVOLS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.285	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	1.64	0.21	ENVOLS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.430	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	1.85	0.21	ENVOLS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.575	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	2.05	0.00	ENVOLS	Combination	Max	1.79	0.00	0.00	TIRANTE INFERIOR	0.0200	89.720	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
5	0.00	0.00	ENVOLS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.21	0.21	ENVOLS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.60	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.41	0.21	ENVOLS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.62	0.21	ENVOLS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.42	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.82	0.21	ENVOLS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.34	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.03	0.21	ENVOLS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.25	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.23	0.21	ENVOLS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.17	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.44	0.21	ENVOLS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.64	0.21	ENVOLS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.009	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
5	1.85	0.21	ENVOLS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.095	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
5	2.05	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.180	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Max	0.05	-0.01	0.00	PENDOLON	0.0200	2.435	o.k	0.00	o.k	0.00	-	0.47	o.k	0.00	0.00	o.k	0.00	o.k
6	0.21	0.21	ENVOLS	Combination	Max	0.05	-0.01	0.00	PENDOLON	0.0200	2.490	o.k	0.00	o.k	5.00	o.k	0.38	o.k	0.00	0.00	o.k	0.00	o.k
6	0.42	0.21	ENVOLS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0200	2.545	o.k	0.00	o.k	5.33	o.k	0.28	o.k	0.01	0.00	o.k	0.00	o.k
6	0.63	0.21	ENVOLS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0200	2.600	o.k	0.00	o.k	6.99	o.k	0.19	o.k	0.01	0.00	o.k	0.00	o.k
6	0.84	0.21	ENVOLS	Combination	Max	0.05	0.00	0.01	PENDOLON	0.0200	2.655	o.k	0.00	o.k	8.00	o.k	0.10	o.k	0.01	0.00	o.k	0.00	o.k
6	1.05	0.21	ENVOLS	Combination	Max	0.05	0.00	0.01	PENDOLON	0.0200	2.710	o.k	0.00	o.k	8.33	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
6	1.26	0.21	ENVOLS	Combination	Max	0.06	0.00	0.01	PENDOLON	0.0200	2.765	o.k	0.00	o.k	8.00	o.k	0.16	o.k	0.01	0.00	o.k	0.00	o.k
6	1.47	0.21	ENVOLS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.825	o.k	0.00	o.k	6.99	o.k	0.31	o.k	0.01	0.00	o.k	0.00	o.k
6	1.69	0.21	ENVOLS	Combination	Max	0.06	0.01	0.00	PENDOLON	0.0200	2.880	o.k	0.00	o.k	5.33	o.k	0.47	o.k	0.01	0.00	o.k	0.00	o.k
6	1.90	0.21	ENVOLS	Combination	Max	0.06	0.01	0.00	PENDOLON	0.0200	2.935	o.k	0.00	o.k	3.00	o.k	0.63	o.k	0.00	0.00	o.k	0.00	o.k
6	2.11	0.00	ENVOLS	Combination	Max	0.06	0.01	0.00	PENDOLON	0.0200	2.990	o.k	0.00	o.k	0.00	o.k	0.79	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Min	-1.20	-0.01	0.00	PENDOLON	0.0200	-	-	59.79	o.k	0.00	-	0.79	o.k	-	-	o.k	0.00	o.k
6	0.21	0.21	ENVOLS	Combination	Min	-1.19	-0.01	0.00	PENDOLON	0.0200	-	-	59.70	o.k	1.80	o.k	0.63	o.k	-	-	o.k	0.00	o.k
6	0.42	0.21	ENVOLS	Combination	Min	-1.19	-0.01	0.00	PENDOLON	0.0200	-	-	59.61	o.k	3.20	o.k	0.47	o.k	-	-	o.k	0.00	o.k
6	0.63	0.21	ENVOLS	Combination	Min	-1.19	0.00	0.00	PENDOLON	0.0200	-	-	59.52	o.k	4.20	o.k	0.31	o.k	-	-	o.k	0.00	o.k
6	0.84	0.21	ENVOLS	Combination	Min	-1.19	0.00	0.00	PENDOLON	0.0200	-	-	59.42	o.k	4.80	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.05	0.21	ENVOLS	Combination	Min	-1.19	0.00	0.00	PENDOLON	0.0200	-	-	59.33	o.k	5.00	o.k	0.00	o.k	-	-	o.k	0.01	o.k
6	1.26	0.21	ENVOLS	Combination	Min	-1.18	0.00	0.00	PENDOLON	0.0200	-	-	59.24	o.k	4.80	o.k	0.10	o.k	-	-	o.k	0.00	o.k
6	1.47	0.21	ENVOLS	Combination	Min	-1.18	0.00	0.00	PENDOLON	0.0200	-	-	59.15	o.k	4.20	o.k	0.19	o.k	-	-	o.k	0.00	o.k
6	1.69	0.21	ENVOLS	Combination	Min	-1.18	0.00	0.00	PENDOLON	0.0200	-	-	59.06	o.k	3.20	o.k	0.28	o.k	-	-	o.k	0.00	o.k
6	1.90	0.21	ENVOLS	Combination	Min	-1.18	0.01	0.00	PENDOLON	0.0200	-	-	58.96	o.k	1.80	o.k	0.38	o.k	-	-	o.k	0.00	o.k
6	2.11	0.00	ENVOLS	Combination	Min	-1.18	0.01	0.00	PENDOLON	0.0200	-	-	58.87	o.k	0.00	o.k	0.47	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	0.03	-0.01	0.00	TORNAPUNTA	0.0190	1.805	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	0.21	0.21	ENVOLS	Combination	Max	0.04	-0.01	0.00	TORNAPUNTA	0.0190	1.863	o.k	0.00	o.k	2.99	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
7	0.42	0.21	ENVOLS	Combination	Max	0.04	0.00	0.00	TORNAPUNTA	0.0190	1.921	o.k	0.00	o.k	5.31	o.k	0.30	o.k	0.01	0.00	o.k	0.00	o.k
7	0.63	0.21	ENVOLS	Combination	Max	0.04	0.00	0.00	TORNAPUNTA	0.0190	1.979	o.k	0.00	o.k	6.98	o.k	0.20	o.k	0.01	0.00	o.k	0.00	o.k
7	0.84	0.21	ENVOLS	Combination	Max	0.04	0.00	0.01	TORNAPUNTA	0.0190	2.037	o.k	0.00	o.k	7.98	o.k	0.10	o.k	0.01	0.00	o.k	0.00	o.k
7	1.05	0.21	ENVOLS	Combination	Max	0.04	0.00	0.01	TORNAPUNTA	0.0190	2.095	o.k	0.00	o.k	8.31	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
7	1.26	0.21	ENVOLS	Combination	Max	0.04	0.00	0.01	TORNAPUNTA	0.0190	2.158	o.k	0.00	o.k	7.98	o.k	0.17	o.k	0.01	0.00	o.k	0.00	o.k
7	1.47	0.21	ENVOLS	Combination	Max	0.04	0.00	0.00	TORNAPUNTA	0.0190	2.216	o.k	0.00	o.k	6.98	o.k	0.33	o.k	0.01	0.00	o.k	0.00	o.k
7	1.68	0.21	ENVOLS	Combination	Max	0.04	0.01	0.00	TORNAPUNTA	0.0190	2.274	o.k	0.00	o.k	5.31	o.k	0.50	o.k	0.01	0.00	o.k	0.00	o.k
7	1.89	0.21	ENVOLS	Combination	Max	0.04	0.01	0.00	TORNAPUNTA	0.0190	2.332	o.k	0.00	o.k	2.99	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
7	2.10	0.00	ENVOLS	Combination	Max	0.05	0.01	0.00	TORNAPUNTA	0.0190	2.389	o.k	0.00	o.k	0.00	o.k	0.83	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0190	-	-	61.05	o.k	0.00	-	0.83	o.k	-	-	o.k	0.00	o.k
7	0.21	0.21	ENVOLS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0190	-	-	60.96	o.k	1.80	o.k	0.66	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
7	0.42	0.21	ENVOLS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0190	-	-	60.86	o.k	5.20	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.63	0.21	ENVOLS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.76	o.k	4.19	o.k	0.33	o.k	-	-	o.k	0.00	o.k
7	0.84	0.21	ENVOLS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.66	o.k	4.79	o.k	0.17	o.k	-	-	o.k	0.01	o.k
7	1.05	0.21	ENVOLS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.57	o.k	4.98	o.k	0.00	o.k	-	-	o.k	0.01	o.k
7	1.26	0.21	ENVOLS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.47	o.k	4.79	o.k	0.10	o.k	-	-	o.k	0.00	o.k
7	1.47	0.21	ENVOLS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.37	o.k	4.19	o.k	0.20	o.k	-	-	o.k	0.00	o.k
7	1.68	0.21	ENVOLS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0190	-	-	60.27	o.k	5.20	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.89	0.21	ENVOLS	Combination	Min	-1.14	0.01	0.00	TORNAPUNTA	0.0190	-	-	60.18	o.k	1.80	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	2.10	0.00	ENVOLS	Combination	Min	-1.14	0.01	0.00	TORNAPUNTA	0.0190	-	-	60.08	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.879	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.10	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.900	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.20	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.916	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.29	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.932	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.39	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.953	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.49	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.968	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.59	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	0.984	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.69	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.005	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.78	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.021	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.88	0.10	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.037	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.98	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0190	1.058	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	3.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.10	0.10	ENVOLS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	3.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.20	0.10	ENVOLS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.99	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.29	0.10	ENVOLS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.97	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.39	0.10	ENVOLS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.49	0.10	ENVOLS	Combination	Min	-0.06	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.91	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.59	0.10	ENVOLS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.88	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.69	0.10	ENVOLS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.78	0.10	ENVOLS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.88	0.10	ENVOLS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.98	0.00	ENVOLS	Combination	Min	-0.05	0.00	0.00	TORNAPUNTA	0.0190	-	-	2.76	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Max	0.08	0.02	0.02	TORNAPUNTA	0.0190	4.095	o.k	0.00	o.k	31.19	o.k	1.81	o.k	0.02	0.02	o.k	0.00	o.k
9	0.55	0.55	ENVOLS	Combination	Max	0.08	0.05	0.04	TORNAPUNTA	0.0190	4.189	o.k	0.00	o.k	66.18	o.k	2.14	o.k	0.05	0.04	o.k	0.00	o.k
9	1.06	0.55	ENVOLS	Combination	Max	0.08	0.05	0.25	TORNAPUNTA	0.0190	4.279	o.k	0.00	o.k	374.19	o.k	2.46	o.k	0.24	0.24	o.k	0.00	o.k
9	1.06	0.00	ENVOLS	Combination	Max	0.07	0.00	0.25	TORNAPUNTA	0.0190	3.847	o.k	0.00	o.k	374.19	o.k	0.18	o.k	0.24	0.24	o.k	0.00	o.k
9	1.60	0.55	ENVOLS	Combination	Max	0.07	0.01	0.27	PUNTAL	0.0081	8.765	o.k	0.00	o.k	411.44	o.k	1.20	o.k	0.27	0.26	o.k	0.00	o.k
9	2.13	0.55	ENVOLS	Combination	Max	0.07	0.01	0.30	PUNTAL	0.0081	8.975	o.k	0.00	o.k	445.21	o.k	1.96	o.k	0.29	0.28	o.k	0.00	o.k
9	2.13	0.00	ENVOLS	Combination	Max	0.06	0.30	0.30	PUNTAL	0.0081	7.494	o.k	0.00	o.k	445.21	o.k	54.81	o.k	0.29	0.28	o.k	0.00	o.k
9	2.66	0.55	ENVOLS	Combination	Max	0.06	0.30	0.14	PUNTAL	0.0081	7.704	o.k	0.00	o.k	204.25	o.k	56.09	o.k	0.14	0.13	o.k	0.00	o.k
9	3.19	0.55	ENVOLS	Combination	Max	0.06	0.31	0.00	PUNTAL	0.0081	7.914	o.k	0.00	o.k	0.21	o.k	57.37	o.k	0.01	0.00	o.k	0.00	o.k
9	3.19	0.00	ENVOLS	Combination	Max	0.05	0.64	0.00	PUNTAL	0.0081	6.432	o.k	0.00	o.k	0.21	o.k	118.91	o.k	0.01	0.00	o.k	0.00	o.k
9	3.60	0.41	ENVOLS	Combination	Max	0.05	0.65	0.02	PUNTAL	0.0081	6.593	o.k	0.00	o.k	23.15	o.k	119.89	o.k	0.02	0.01	o.k	0.00	o.k
9	3.60	0.00	ENVOLS	Combination	Max	0.05	0.02	0.02	PUNTAL	0.0081	4.049	o.k	0.00	o.k	23.15	o.k	3.85	o.k	0.02	0.01	o.k	0.00	o.k
9	3.72	0.12	ENVOLS	Combination	Max	0.03	0.02	0.01	PUNTAL	0.0081	4.086	o.k	0.00	o.k	19.26	o.k	4.04	o.k	0.02	0.01	o.k	0.00	o.k
9	4.26	0.55	ENVOLS	Combination	Max	0.03	0.03	0.00	PUNTAL	0.0081	4.309	o.k	0.00	o.k	0.26	o.k	4.80	o.k	0.00	0.00	o.k	0.00	o.k
9	4.26	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.815	o.k	0.00	o.k	0.26	o.k	0.56	o.k	0.00	0.00	o.k	0.00	o.k
9	4.79	0.55	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	3.025	o.k	0.00	o.k	5.92	o.k	0.22	o.k	0.01	0.00	o.k	0.00	o.k
9	5.32	0.00	ENVOLS	Combination	Max	0.03	0.01	0.03	PUNTAL	0.0081	3.247	o.k	0.00	o.k	46.91	o.k	0.98	o.k	0.03	0.03	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Min	-3.79	-0.40	-0.16	PUNTAL	0.0081	-	-	467.88	o.k	247.32	o.k	73.57	o.k	-	-	o.k	0.28	o.k
9	0.55	0.55	ENVOLS	Combination	Min	-3.79	-0.39	0.01	PUNTAL	0.0081	-	-	467.52	o.k	11.24	o.k	72.11	o.k	-	-	o.k	0.12	o.k
9	1.06	0.55	ENVOLS	Combination	Min	-3.78	-0.38	-0.01	PUNTAL	0.0081	-	-	467.17	o.k	12.00	o.k	70.85	o.k	-	-	o.k	0.12	o.k
9	1.06	0.00	ENVOLS	Combination	Min	-3.65	-0.05	-0.01	PUNTAL	0.0081	-	-	450.04	o.k	12.00	o.k	9.28	o.k	-	-	o.k	0.11	o.k
9	1.60	0.55	ENVOLS	Combination	Min	-3.64	-0.04	-0.01	PUNTAL	0.0081	-	-	449.68	o.k	15.53	o.k	8.00	o.k	-	-	o.k	0.12	o.k
9	2.13	0.55	ENVOLS	Combination	Min	-3.64	-0.04	-0.01	PUNTAL	0.0081	-	-	449.33	o.k	22.32	o.k	6.74	o.k	-	-	o.k	0.12	o.k
9	2.13	0.00	ENVOLS	Combination	Min	-3.50	-0.02	-0.01	PUNTAL	0.0081	-	-	432.20	o.k	22.32	o.k	3.37	o.k	-	-	o.k	0.11	o.k
9	2.66	0.55	ENVOLS	Combination	Min	-3.50	-0.01	-0.01	PUNTAL	0.0081	-	-	431.84	o.k	9.42	o.k	2.61	o.k	-	-	o.k	0.10	o.k
9	3.19	0.55	ENVOLS	Combination	Min	-3.50	-0.01	-0.05	PUNTAL	0.0081	-	-	431.49	o.k	40.26	o.k	1.85	o.k	-	-	o.k	0.13	o.k
9	3.19	0.00	ENVOLS	Combination	Min	-3.36	-0.04	-0.05	PAR SUPERIOR	0.0200	-	-	167.82	o.k	40.26	o.k	2.91	o.k	-	-	o.k	0.04	o.k
9	3.60	0.41	ENVOLS	Combination	Min	-3.35	-0.04	-0.29	PAR SUPERIOR	0.0200	-	-	167.71	o.k	457.45	o.k	2.67	o.k	-	-	o.k	0.30	o.k
9	3.60	0.00	ENVOLS	Combination	Min	-2.85	-0.41	-0.29	PAR SUPERIOR	0.0200	-	-	141.31	o.k	457.45	o.k	30.57	o.k	-	-	o.k	0.29	o.k
9	3.72	0.12	ENVOLS	Combination	Min	-2.85	-0.40	-0.24	PAR SUPERIOR	0.0200	-	-	141.28	o.k	565.80	o.k	30.25	o.k	-	-	o.k	0.24	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
9	4.26	0.55	ENVOLS	Combination	Min	-2.82	-0.40	-0.05	PAR SUPERIOR	0.0200	-	-	141.13	o.k	44.57	o.k	29.74	o.k	-	-	o.k	0.04	o.k
9	4.26	0.00	ENVOLS	Combination	Min	-2.68	-0.06	-0.05	PAR SUPERIOR	0.0200	-	-	134.20	o.k	44.57	o.k	4.81	o.k	-	-	o.k	0.04	o.k
9	4.79	0.55	ENVOLS	Combination	Min	-2.68	-0.06	0.00	PAR SUPERIOR	0.0200	-	-	134.05	o.k	0.98	o.k	4.30	o.k	-	-	o.k	0.01	o.k
9	5.32	0.00	ENVOLS	Combination	Min	-2.68	-0.05	0.00	PAR SUPERIOR	0.0200	-	-	133.91	o.k	1.61	o.k	3.78	o.k	-	-	o.k	0.02	o.k
14	0.00	0.00	ENVOLS	Combination	Max	0.03	0.04	0.05	PAR SUPERIOR	0.0200	1.270	o.k	0.00	o.k	46.91	o.k	3.34	o.k	0.03	0.03	o.k	0.00	o.k
14	0.55	0.55	ENVOLS	Combination	Max	0.02	0.05	0.01	PAR SUPERIOR	0.0200	1.180	o.k	0.00	o.k	8.78	o.k	3.85	o.k	0.01	0.00	o.k	0.00	o.k
14	1.06	0.55	ENVOLS	Combination	Max	0.02	0.06	0.00	PAR SUPERIOR	0.0200	1.095	o.k	0.00	o.k	5.29	o.k	4.36	o.k	0.00	0.00	o.k	0.00	o.k
14	1.06	0.00	ENVOLS	Combination	Max	0.03	0.39	0.00	PAR SUPERIOR	0.0200	1.700	o.k	0.00	o.k	5.29	o.k	29.28	o.k	0.00	0.00	o.k	0.00	o.k
14	1.59	0.55	ENVOLS	Combination	Max	0.03	0.40	0.01	PAR SUPERIOR	0.0200	1.615	o.k	0.00	o.k	13.89	o.k	29.79	o.k	0.01	0.01	o.k	0.00	o.k
14	1.72	0.15	ENVOLS	Combination	Max	0.03	0.40	0.01	PAR SUPERIOR	0.0200	1.595	o.k	0.00	o.k	17.48	o.k	29.91	o.k	0.01	0.01	o.k	0.00	o.k
14	1.72	0.00	ENVOLS	Combination	Max	0.05	0.03	0.01	PAR SUPERIOR	0.0200	2.305	o.k	0.00	o.k	17.48	o.k	1.87	o.k	0.01	0.01	o.k	0.00	o.k
14	2.12	0.40	ENVOLS	Combination	Max	0.04	0.03	0.00	PAR SUPERIOR	0.0200	2.240	o.k	0.00	o.k	1.37	o.k	2.11	o.k	0.00	0.00	o.k	0.00	o.k
14	2.12	0.00	ENVOLS	Combination	Max	0.06	0.00	0.00	PAR SUPERIOR	0.0200	2.845	o.k	0.00	o.k	1.37	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
14	2.65	0.55	ENVOLS	Combination	Max	0.06	0.00	0.12	PAR SUPERIOR	0.0200	2.760	o.k	0.00	o.k	176.67	o.k	0.25	o.k	0.12	0.11	o.k	0.00	o.k
14	2.77	0.11	ENVOLS	Combination	Max	0.05	0.00	0.15	PAR SUPERIOR	0.0200	2.740	o.k	0.00	o.k	224.01	o.k	0.32	o.k	0.15	0.14	o.k	0.00	o.k
14	2.77	0.00	ENVOLS	Combination	Max	0.05	0.02	0.15	PAR SUPERIOR	0.0200	2.350	o.k	0.00	o.k	224.01	o.k	1.71	o.k	0.15	0.14	o.k	0.00	o.k
14	3.18	0.42	ENVOLS	Combination	Max	0.05	0.05	0.28	PAR SUPERIOR	0.0200	2.285	o.k	0.00	o.k	425.25	o.k	1.95	o.k	0.27	0.27	o.k	0.00	o.k
14	3.18	0.00	ENVOLS	Combination	Max	0.06	0.01	0.28	PAR SUPERIOR	0.0200	2.890	o.k	0.00	o.k	425.25	o.k	0.84	o.k	0.28	0.27	o.k	0.00	o.k
14	3.71	0.53	ENVOLS	Combination	Max	0.06	0.02	0.27	PAR SUPERIOR	0.0200	2.800	o.k	0.00	o.k	412.47	o.k	1.46	o.k	0.27	0.26	o.k	0.00	o.k
14	4.24	0.53	ENVOLS	Combination	Max	0.05	0.05	0.26	PAR SUPERIOR	0.0200	2.715	o.k	0.00	o.k	394.25	o.k	1.97	o.k	0.26	0.25	o.k	0.00	o.k
14	4.24	0.00	ENVOLS	Combination	Max	0.07	0.56	0.26	PAR SUPERIOR	0.0200	3.320	o.k	0.00	o.k	394.25	o.k	26.89	o.k	0.26	0.25	o.k	0.00	o.k
14	4.77	0.55	ENVOLS	Combination	Max	0.06	0.57	0.07	PAR SUPERIOR	0.0200	3.235	o.k	0.00	o.k	106.40	o.k	27.40	o.k	0.07	0.07	o.k	0.00	o.k
14	5.30	0.00	ENVOLS	Combination	Max	0.06	0.57	0.01	PAR SUPERIOR	0.0200	3.145	o.k	0.00	o.k	13.01	o.k	27.91	o.k	0.01	0.01	o.k	0.00	o.k
14	0.00	0.00	ENVOLS	Combination	Min	-2.68	0.00	0.00	PAR SUPERIOR	0.0200	-	-	133.87	o.k	1.61	o.k	0.22	o.k	-	-	o.k	0.01	o.k
14	0.53	0.53	ENVOLS	Combination	Min	-2.68	0.00	0.00	PAR SUPERIOR	0.0200	-	-	134.01	o.k	0.81	o.k	0.08	o.k	-	-	o.k	0.01	o.k
14	1.06	0.53	ENVOLS	Combination	Min	-2.68	0.01	-0.02	PAR SUPERIOR	0.0200	-	-	134.16	o.k	34.79	o.k	0.39	o.k	-	-	o.k	0.03	o.k
14	1.06	0.00	ENVOLS	Combination	Min	-2.82	-0.02	-0.02	PAR SUPERIOR	0.0200	-	-	141.12	o.k	34.79	o.k	1.77	o.k	-	-	o.k	0.03	o.k
14	1.59	0.53	ENVOLS	Combination	Min	-2.83	-0.02	-0.25	PAR SUPERIOR	0.0200	-	-	141.26	o.k	347.99	o.k	1.46	o.k	-	-	o.k	0.24	o.k
14	1.72	0.13	ENVOLS	Combination	Min	-2.83	-0.02	-0.28	PAR SUPERIOR	0.0200	-	-	141.30	o.k	423.06	o.k	1.39	o.k	-	-	o.k	0.28	o.k
14	1.72	0.00	ENVOLS	Combination	Min	-3.34	-0.62	-0.28	PAR SUPERIOR	0.0200	-	-	166.83	o.k	423.06	o.k	46.66	o.k	-	-	o.k	0.29	o.k
14	2.12	0.40	ENVOLS	Combination	Min	-3.34	-0.62	-0.05	PAR SUPERIOR	0.0200	-	-	166.94	o.k	47.13	o.k	46.27	o.k	-	-	o.k	0.05	o.k
14	2.12	0.00	ENVOLS	Combination	Min	-3.48	-0.28	-0.05	PAR SUPERIOR	0.0200	-	-	173.90	o.k	47.13	o.k	21.56	o.k	-	-	o.k	0.05	o.k
14	2.65	0.55	ENVOLS	Combination	Min	-3.48	-0.28	0.00	PAR SUPERIOR	0.0200	-	-	174.04	o.k	0.50	o.k	20.85	o.k	-	-	o.k	0.02	o.k
14	2.77	0.11	ENVOLS	Combination	Min	-3.48	-0.28	0.00	PAR SUPERIOR	0.0200	-	-	174.08	o.k	0.36	o.k	20.74	o.k	-	-	o.k	0.02	o.k
14	2.77	0.00	ENVOLS	Combination	Min	-3.48	-0.32	0.00	PAR SUPERIOR	0.0200	-	-	173.06	o.k	0.36	o.k	24.37	o.k	-	-	o.k	0.02	o.k
14	3.18	0.42	ENVOLS	Combination	Min	-3.48	-0.32	-0.01	PAR SUPERIOR	0.0200	-	-	173.17	o.k	15.60	o.k	23.96	o.k	-	-	o.k	0.03	o.k
14	3.18	0.00	ENVOLS	Combination	Min	-3.60	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	180.14	o.k	15.60	o.k	0.21	o.k	-	-	o.k	0.03	o.k
14	3.71	0.53	ENVOLS	Combination	Min	-3.61	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	180.28	o.k	15.02	o.k	0.10	o.k	-	-	o.k	0.03	o.k
14	4.24	0.53	ENVOLS	Combination	Min	-3.61	0.01	-0.01	PAR SUPERIOR	0.0200	-	-	180.42	o.k	17.69	o.k	0.40	o.k	-	-	o.k	0.03	o.k
14	4.24	0.00	ENVOLS	Combination	Min	-3.75	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	187.39	o.k	17.69	o.k	1.75	o.k	-	-	o.k	0.03	o.k
14	4.77	0.53	ENVOLS	Combination	Min	-3.75	-0.01	0.00	PAR SUPERIOR	0.0200	-	-	187.53	o.k	0.71	o.k	1.45	o.k	-	-	o.k	0.02	o.k
14	5.30	0.00	ENVOLS	Combination	Min	-3.75	-0.01	-0.12	PAR SUPERIOR	0.0200	-	-	187.67	o.k	186.92	o.k	1.14	o.k	-	-	o.k	-0.44	o.k

CUBIERTA MADERA - CRUJIA 3 - CERCHA TIPO 1

EVALUACION DE DEFORMACIONES



Luz Libre 9.80 m
Deformacion Admisible
3.27 cm CUMPLE
Deforamcion cercha
0.50 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 1- CRUJIA 3

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

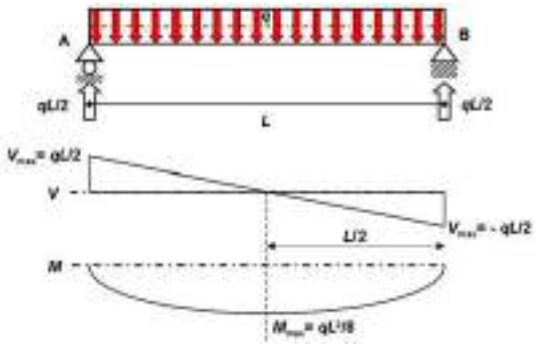
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 1.83 m L Afe= 1.05 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.6 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 52.50 Kg/m
CM= 105.35 Kg/m
W= 76.92 Kg/m



q_U =	**202.42 Kg/m**
$V_{MÀX}$=	**185.21 Kg**
$M_{MÀX}$=	**84.73 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *3.47 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *0.68 cm* > δ Admisible, No Cumple
δ Admisible L/300= 0.6 cm

NOTA:

4.11.8.2 Tipo 2

CUBIERTA CRUJIA 3

Corresponde al analisis de la crujia 3 cerchas CH4

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

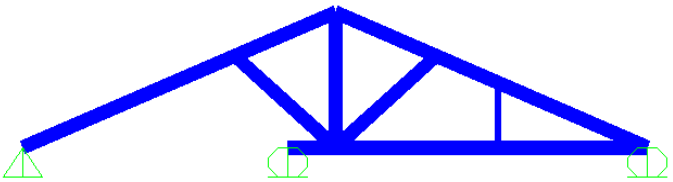
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.05	99.75	52.50	**52.50**	**76.92**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.83	182.54	96.08	**96.08**	**140.77**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
5	Rectangular	N.A.	PEN 20X10	N.A.	Default
6	Rectangular	N.A.	TORN 19X10	N.A.	Default
7	Rectangular	N.A.	TORN 19X10	N.A.	Default
8	Rectangular	N.A.	PUNT 0.09	N.A.	Default
9	Rectangular	N.A.	PAR 20X10	N.A.	Default
10	Rectangular	N.A.	TIR 20X10	N.A.	Default
14	Rectangular	N.A.	PAR 20X10	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
PAR 20X10	M-ES2	Rectangular	0.2	0.1		
PEN 20X10	M-ES2	Rectangular	0.2	0.1		
PUNT 0.09	M-ES2	Rectangular	0.09	0.09		
TIR 20X10	M-ES2	Rectangular	0.2	0.1		
TORN 19X10	M-ES2	Rectangular	0.19	0.1		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
PAR 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PEN 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PUNT 0.09	0.0081	9.240E-06	5.468E-06	5.468E-06	0.	0.00675	0.00675
TIR 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
TORN 19X10	0.019	0.000042	0.000057	0.000016	0.	0.015833	0.015833
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
PAR 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PEN 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PUNT 0.09	0.000122	0.000122	0.000182	0.000182	0.025981	0.025981	
TIR 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
TORN 19X10	0.000602	0.000317	0.000903	0.000475	0.054848	0.028868	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
PAR 20X10	No	No	Cyan	148.72	15.17	No	1.
PEN 20X10	No	No	White	28.7	2.93	No	1.
PUNT 0.09	No	No	Cyan	5.56	0.57	No	1.
TIR 20X10	No	No	Magenta	78.96	8.05	No	1.
TORN 19X10	No	No	Blue	56.01	5.71	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
PAR 20X10	1.	1.	1.	1.	1.	1.	1.
PEN 20X10	1.	1.	1.	1.	1.	1.	1.
PUNT 0.09	1.	1.	1.	1.	1.	1.	1.
TIR 20X10	1.	1.	1.	1.	1.	1.	1.
TORN 19X10	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
PAR 20X10			
PEN 20X10			
PUNT 0.09			
TIR 20X10			
TORN 19X10			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
PAR 20X10	Added 01/06/2017 00:06:46
PEN 20X10	Added 01/06/2017 00:08:01
PUNT 0.09	Added 01/06/2017 00:08:43
TIR 20X10	Added 01/06/2017 00:07:12
TORN 19X10	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		3.38	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.16	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.91	Primary	Gray8Dark	Yes	End
GLOBAL	X		6.44	Primary	Gray8Dark	Yes	End
GLOBAL	X		7.46	Primary	Gray8Dark	Yes	End
GLOBAL	X		9.8	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.34	Primary	Gray8Dark	Yes	End
GLOBAL	Z		2.05	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	D	GLOBAL	0.	0.	-182.54	0.	0.
1	Lr	GLOBAL	0.	0.	-96.08	0.	0.
1	G	GLOBAL	0.	0.	-96.08	0.	0.
1	W	GLOBAL	0.	0.	-140.77	0.	0.
2	D	GLOBAL	0.	0.	-182.54	0.	0.
2	Lr	GLOBAL	0.	0.	-96.08	0.	0.
2	G	GLOBAL	0.	0.	-96.08	0.	0.
2	W	GLOBAL	0.	0.	-140.77	0.	0.
3	D	GLOBAL	0.	0.	-182.54	0.	0.
3	Lr	GLOBAL	0.	0.	-96.08	0.	0.
3	G	GLOBAL	0.	0.	-96.08	0.	0.
3	W	GLOBAL	0.	0.	-140.77	0.	0.
12	D	GLOBAL	0.	0.	-182.54	0.	0.
12	Lr	GLOBAL	0.	0.	-96.08	0.	0.
12	G	GLOBAL	0.	0.	-96.08	0.	0.
12	W	GLOBAL	0.	0.	-140.77	0.	0.
13	D	GLOBAL	0.	0.	-182.54	0.	0.
13	Lr	GLOBAL	0.	0.	-96.08	0.	0.
13	G	GLOBAL	0.	0.	-96.08	0.	0.
13	W	GLOBAL	0.	0.	-140.77	0.	0.
14	D	GLOBAL	0.	0.	-182.54	0.	0.
14	Lr	GLOBAL	0.	0.	-96.08	0.	0.
14	G	GLOBAL	0.	0.	-96.08	0.	0.
14	W	GLOBAL	0.	0.	-140.77	0.	0.
15	D	GLOBAL	0.	0.	-182.54	0.	0.
15	Lr	GLOBAL	0.	0.	-96.08	0.	0.
15	G	GLOBAL	0.	0.	-96.08	0.	0.
15	W	GLOBAL	0.	0.	-140.77	0.	0.
16	D	GLOBAL	0.	0.	-182.54	0.	0.
16	Lr	GLOBAL	0.	0.	-96.08	0.	0.
16	G	GLOBAL	0.	0.	-96.08	0.	0.
16	W	GLOBAL	0.	0.	-140.77	0.	0.
17	D	GLOBAL	0.	0.	-182.54	0.	0.
17	Lr	GLOBAL	0.	0.	-96.08	0.	0.
17	G	GLOBAL	0.	0.	-96.08	0.	0.
17	W	GLOBAL	0.	0.	-140.77	0.	0.
18	D	GLOBAL	0.	0.	-182.54	0.	0.
18	Lr	GLOBAL	0.	0.	-96.08	0.	0.
18	G	GLOBAL	0.	0.	-96.08	0.	0.
18	W	GLOBAL	0.	0.	-140.77	0.	0.
19	D	GLOBAL	0.	0.	-182.54	0.	0.
19	Lr	GLOBAL	0.	0.	-96.08	0.	0.
19	G	GLOBAL	0.	0.	-96.08	0.	0.
19	W	GLOBAL	0.	0.	-140.77	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
1	D	0.	a4c6bb0c-0b9a-4a07-acbb-47f6b7f56b4e
1	Lr	0.	9d8829b5-f2c5-4c84-a698-d3b5bb728262
1	G	0.	71d0451c-516a-494c-822f-dfcf86ef0406
1	W	0.	b9eed5e8-466c-4230-aa81-1d30724009fc
2	D	0.	c9705a9f-ee41-46fe-ab6b-dbd32b19724c
2	Lr	0.	7bd972f1-a6c0-453d-9aa8-463b8103088f
2	G	0.	a71e2c8e-3be4-47da-95c0-99171380d833
2	W	0.	b22b0f84-5d50-464e-a008-b5efe26ef49a
3	D	0.	b489de88-f17b-4dfb-a979-f2229f077a62
3	Lr	0.	898babbb-21df-4eaa-adf8-2f069a2a299e
3	G	0.	a75c5c10-deb4-4b82-b46f-eb62b13afad2
3	W	0.	89b4de78-3dd4-4f18-a586-c3a9418b0ab6
12	D	0.	20c43eae-4b1a-444e-a110-5929ea92553a
12	Lr	0.	54c8b400-9d5a-4a52-b09c-f2c3d8e83414
12	G	0.	3a99b0d6-7a35-4498-bf12-7a7adb08d100
12	W	0.	c14da858-e0b0-42e9-8ebd-124cf625811a
13	D	0.	dde891d8-e1fb-4c06-b94f-7edc47160de0
13	Lr	0.	8887454b-cfb4-45a4-85fe-525497fb97ae
13	G	0.	adbaf232-7cbf-48e3-8b97-f9671bfa7c89
13	W	0.	46e01cef-6660-4a1b-99b9-778ad3b8b8bb
14	D	0.	f620c165-6238-4b1a-8781-a92592dbbc1f
14	Lr	0.	9cd027ab-a6f9-4eff-82be-a3d1cd1b5fea
14	G	0.	1edc6e02-a4c3-429f-a20c-4564fdc23d7a
14	W	0.	b1235972-e884-471b-a455-a835bfeab877
15	D	0.	7d4cbd3f-a390-4b42-adac-4b6d227d5c18
15	Lr	0.	5128e9ac-d12e-4c6e-855a-0063468642f4

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
15	G	0.	c41fc98c-abef-4549-83c0-481c42f1097a
15	W	0.	5d643a54-49e8-49a8-b226-421d55764ce4
16	D	0.	ae139aaf-064e-4e74-81e1-013ec58f8f15
16	Lr	0.	811910d1-ad81-437b-a0fc-19c8637d26f9
16	G	0.	1ccd75b0-2758-4795-a534-4139dc626dab
16	W	0.	c5c9b928-3225-4f4c-8707-f1344c80acf7
17	D	0.	6f32fddd-d473-49f9-a8fc-c3529cc2b3b0
17	Lr	0.	5ab928ed-c83c-4c14-88a2-d9c9b0373243
17	G	0.	83734f7d-85a0-42b6-96d9-af38b2432aaa
17	W	0.	80f77126-c66b-4c49-809c-ecc43f009dd5
18	D	0.	4eb7312b-c123-4a11-a1a6-8a2eb2e57240
18	Lr	0.	23fbc09d-e407-4971-95ff-77aab24dc83d
18	G	0.	4dcb7d97-52a1-453c-a105-6384ddd6a4c8
18	W	0.	a9dd8c4e-9f82-4f47-a2c5-686769e837c3
19	D	0.	1b08019a-faf5-4830-b545-eefc0c4dda91
19	Lr	0.	caeb1b6d-44b8-4802-93df-cd187c3857ec
19	G	0.	d9f81bb5-ba32-48b9-a0cb-cffbf897cac6
19	W	0.	c51624bb-891c-4c37-8c20-f037b44d6384

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

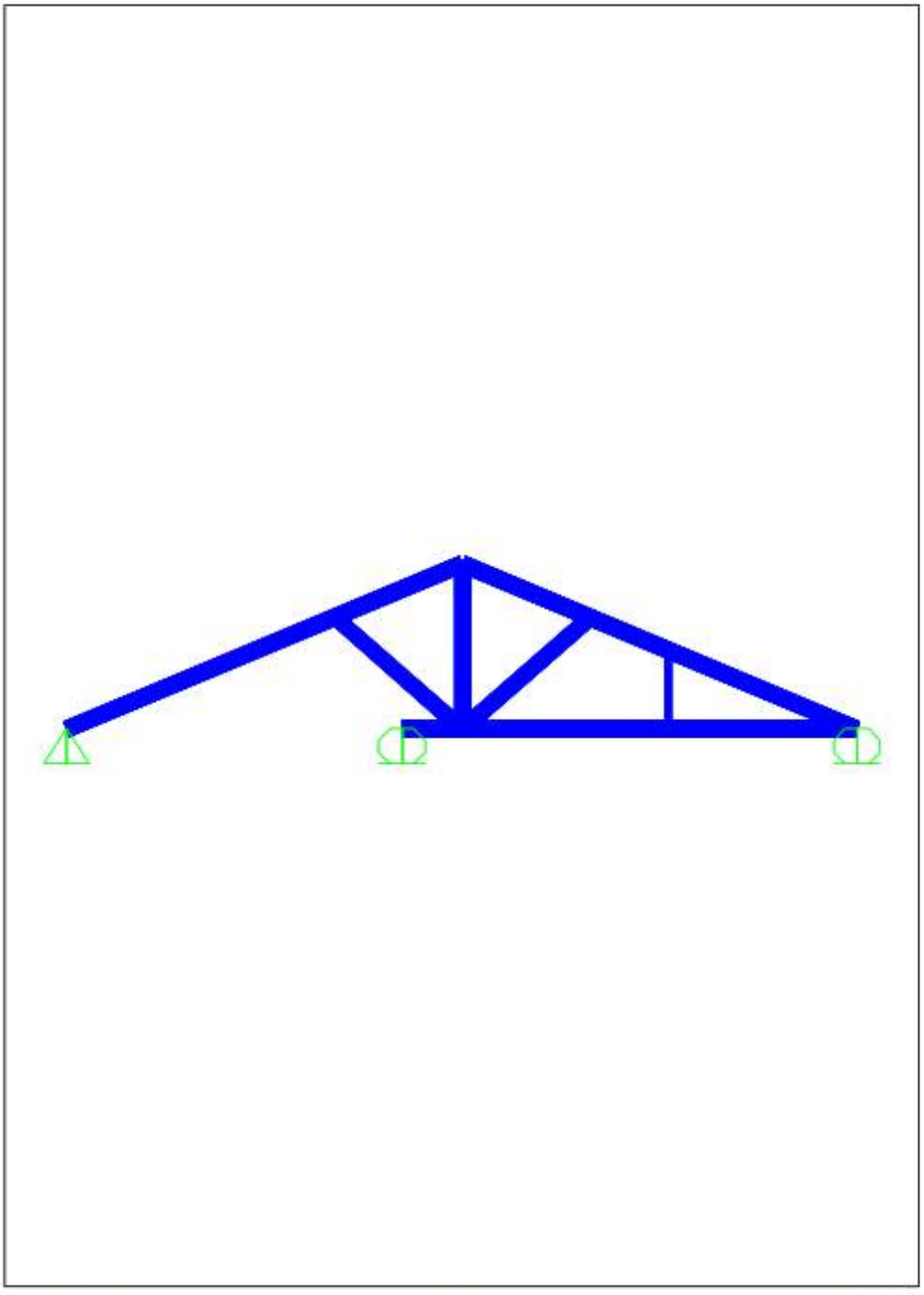
Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

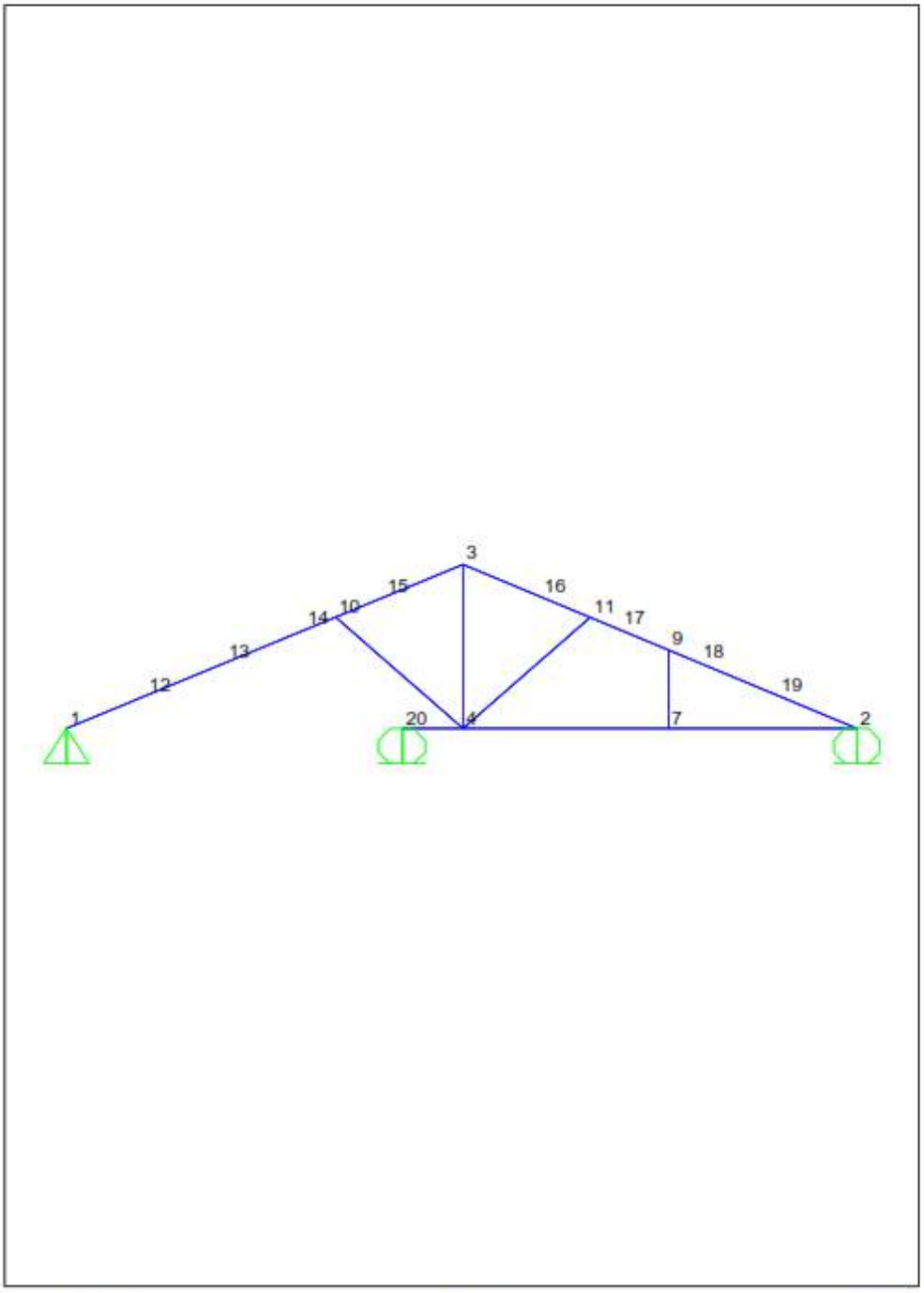
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 2.sdb



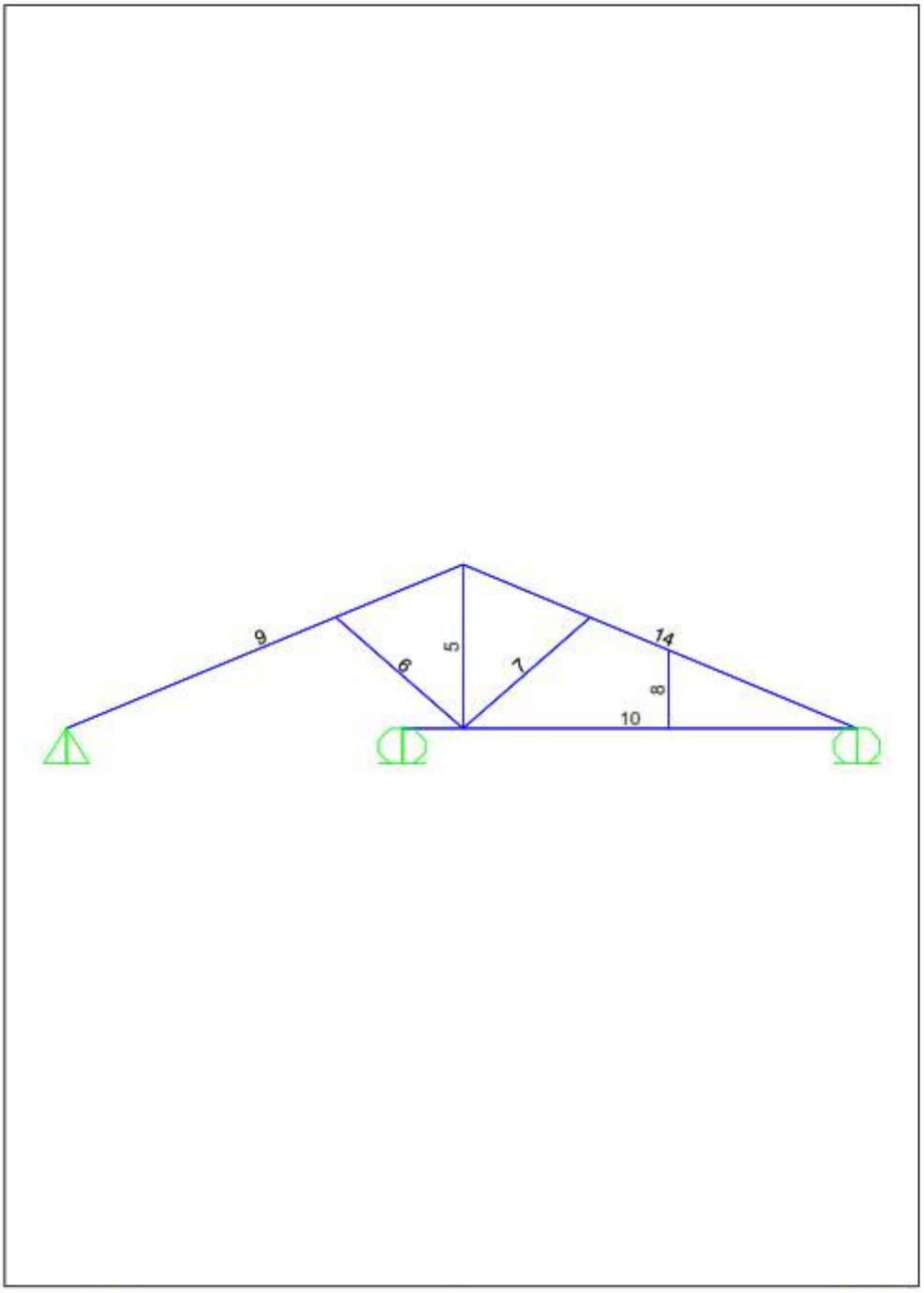
SAP2000 18.2.0 Joint Restraints Kgf, m, C

CERCHA TIPO 2.sdb



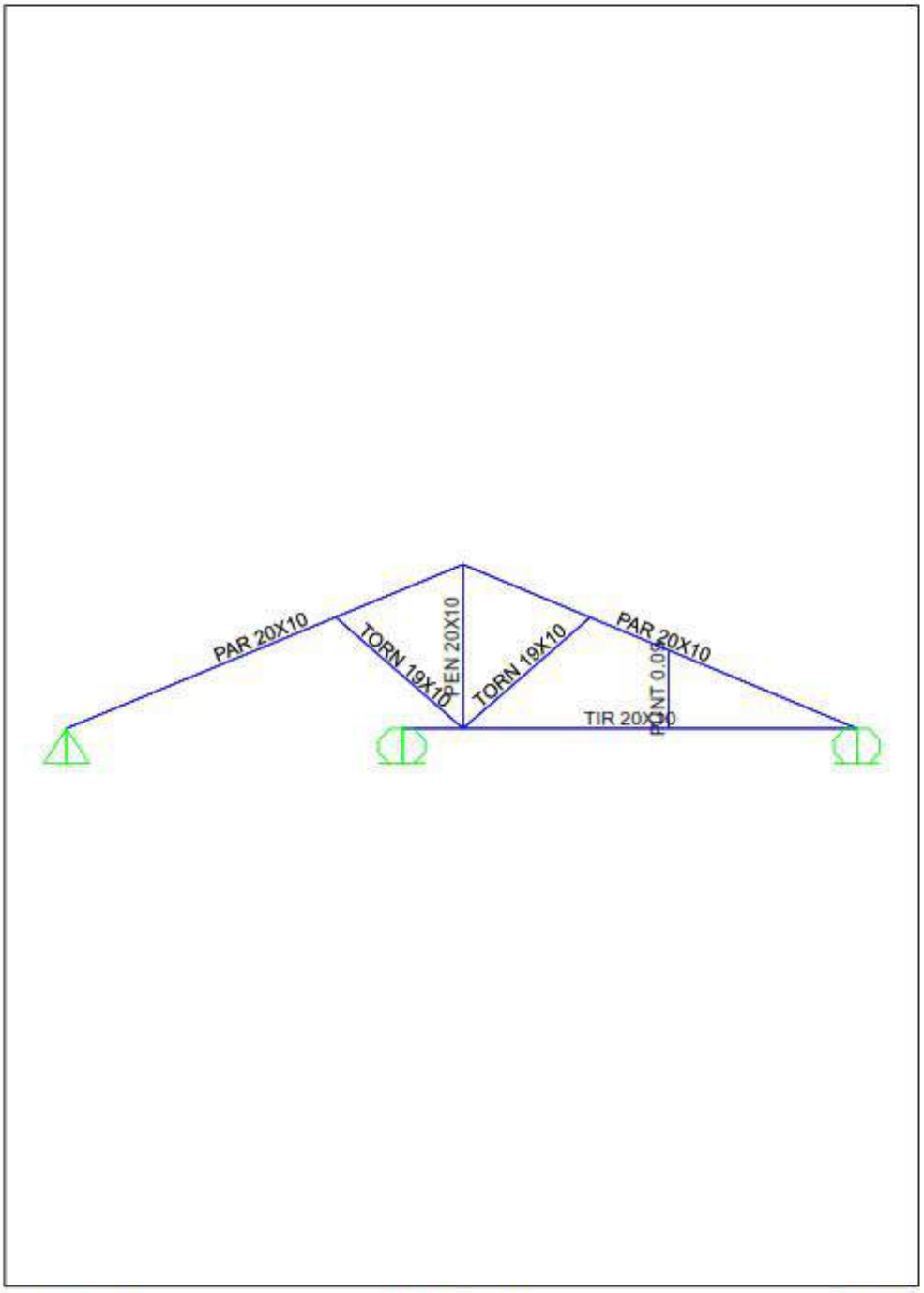
SAP2000 18.2.0 Joint Restraints Kgf, m, C

CERCHA TIPO 2.sdb



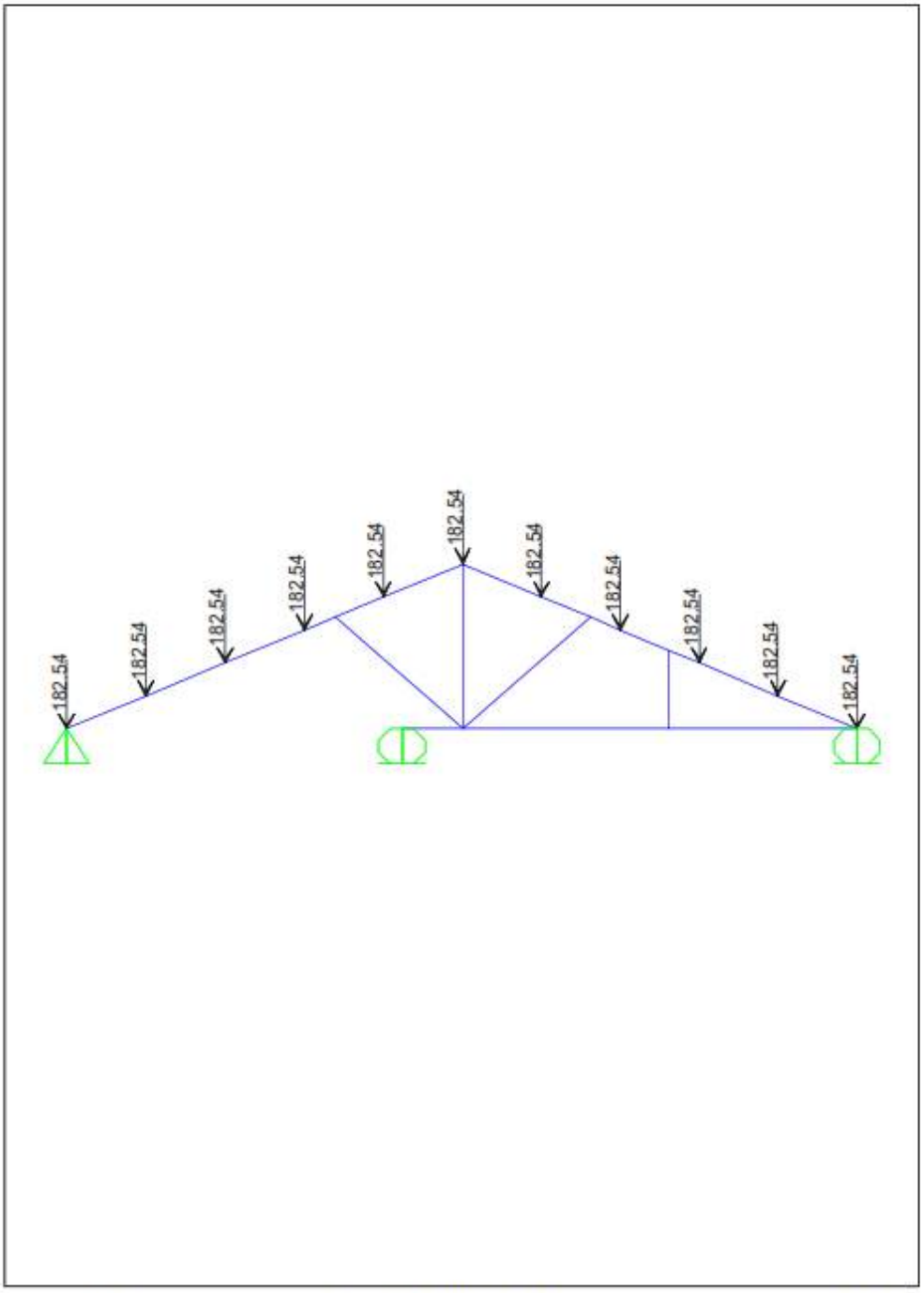
SAP2000 18.2.0 Joint Restraints Kgf, m, C

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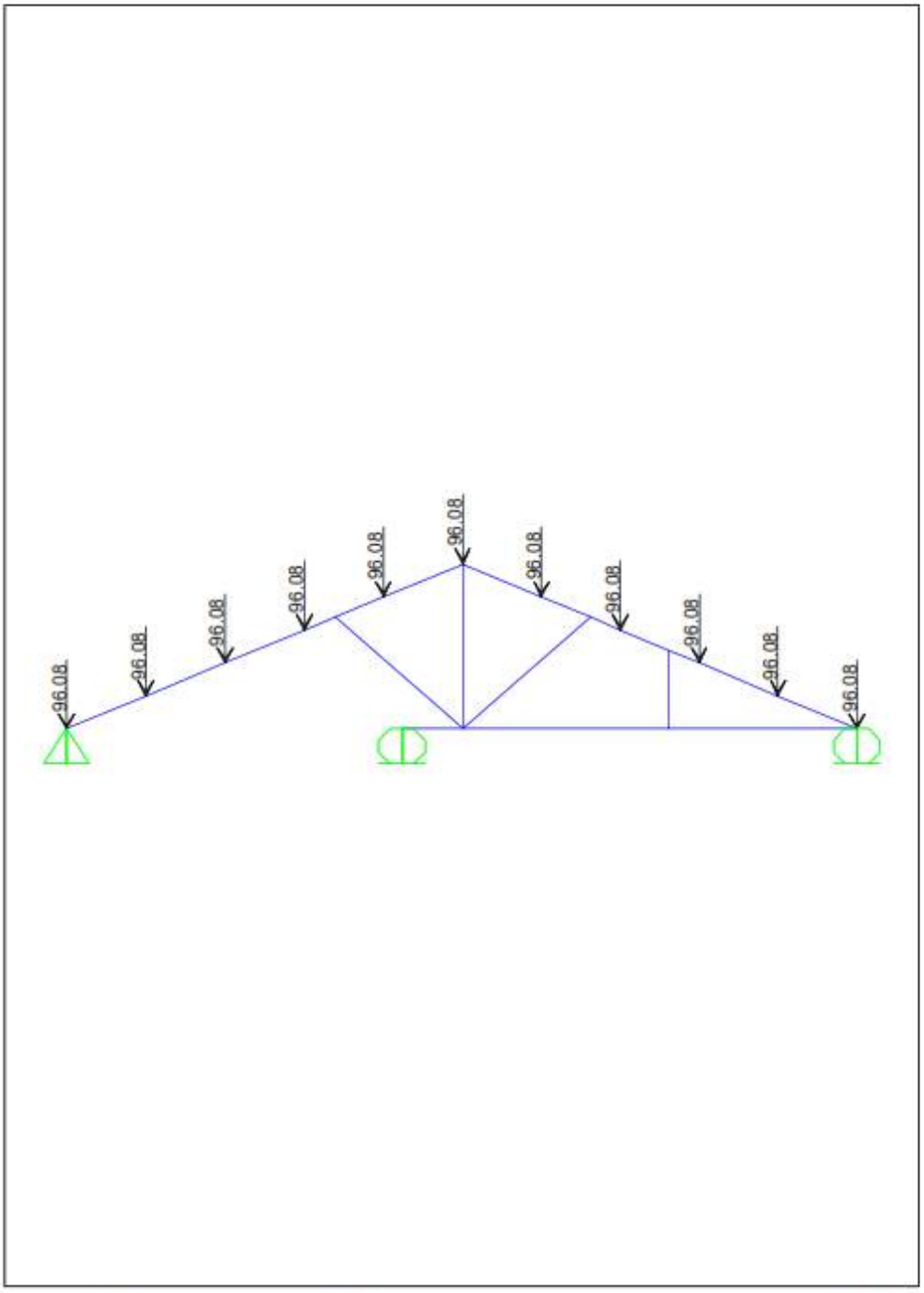
SAP2000 18.2.0 Joint Restraints Kgf, m, C

CERCHA TIPO 2.sdb



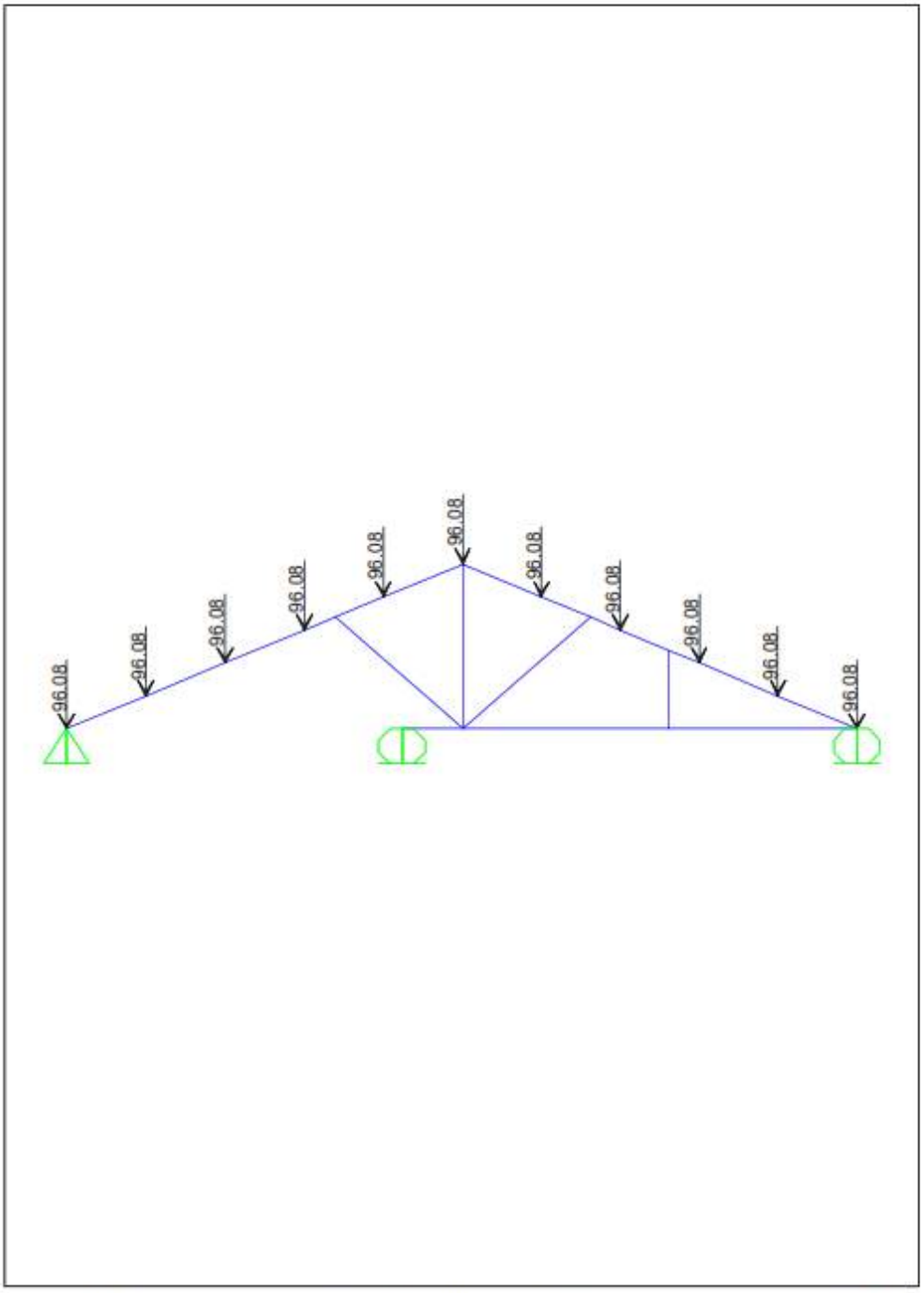
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 2.sdb



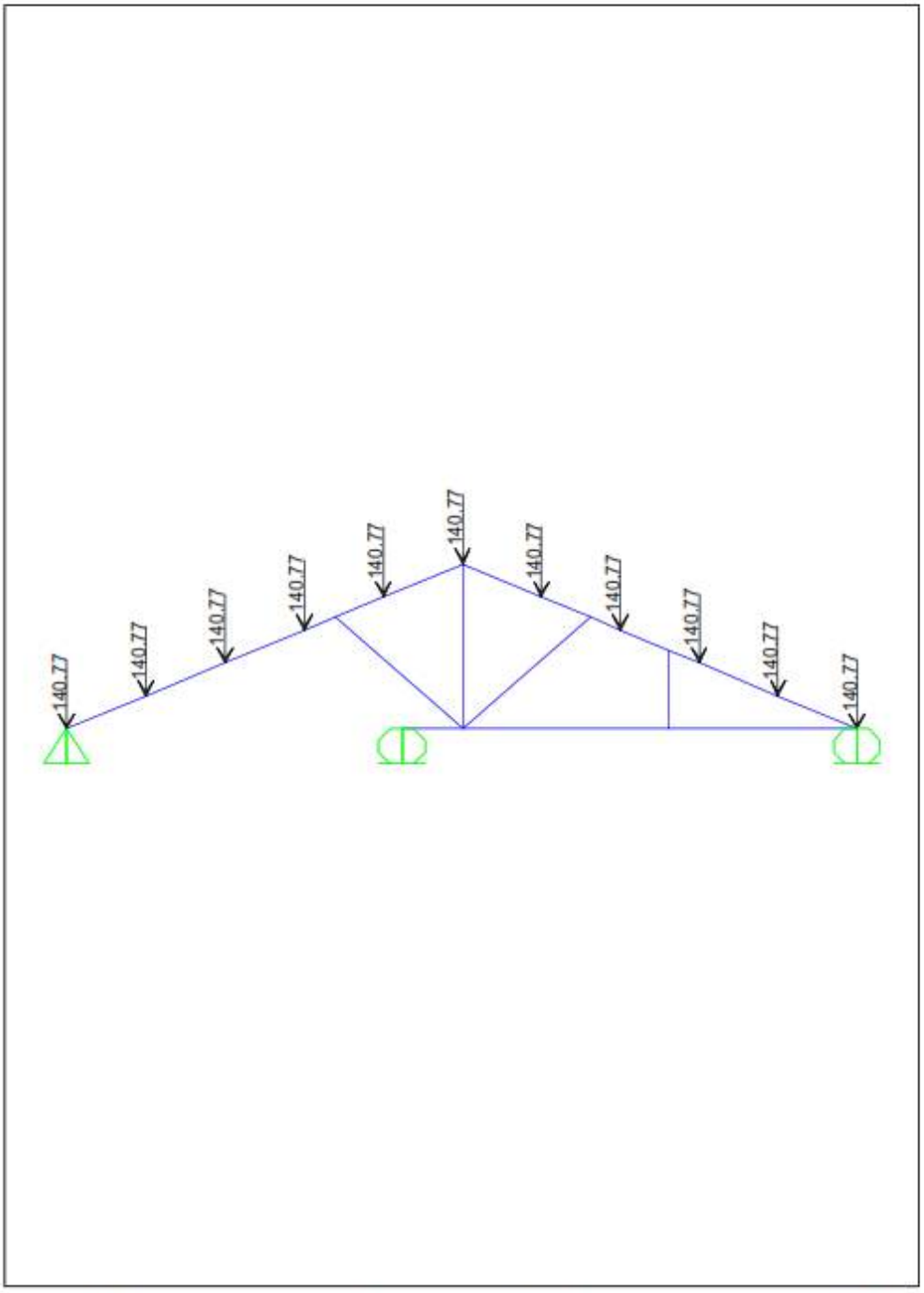
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

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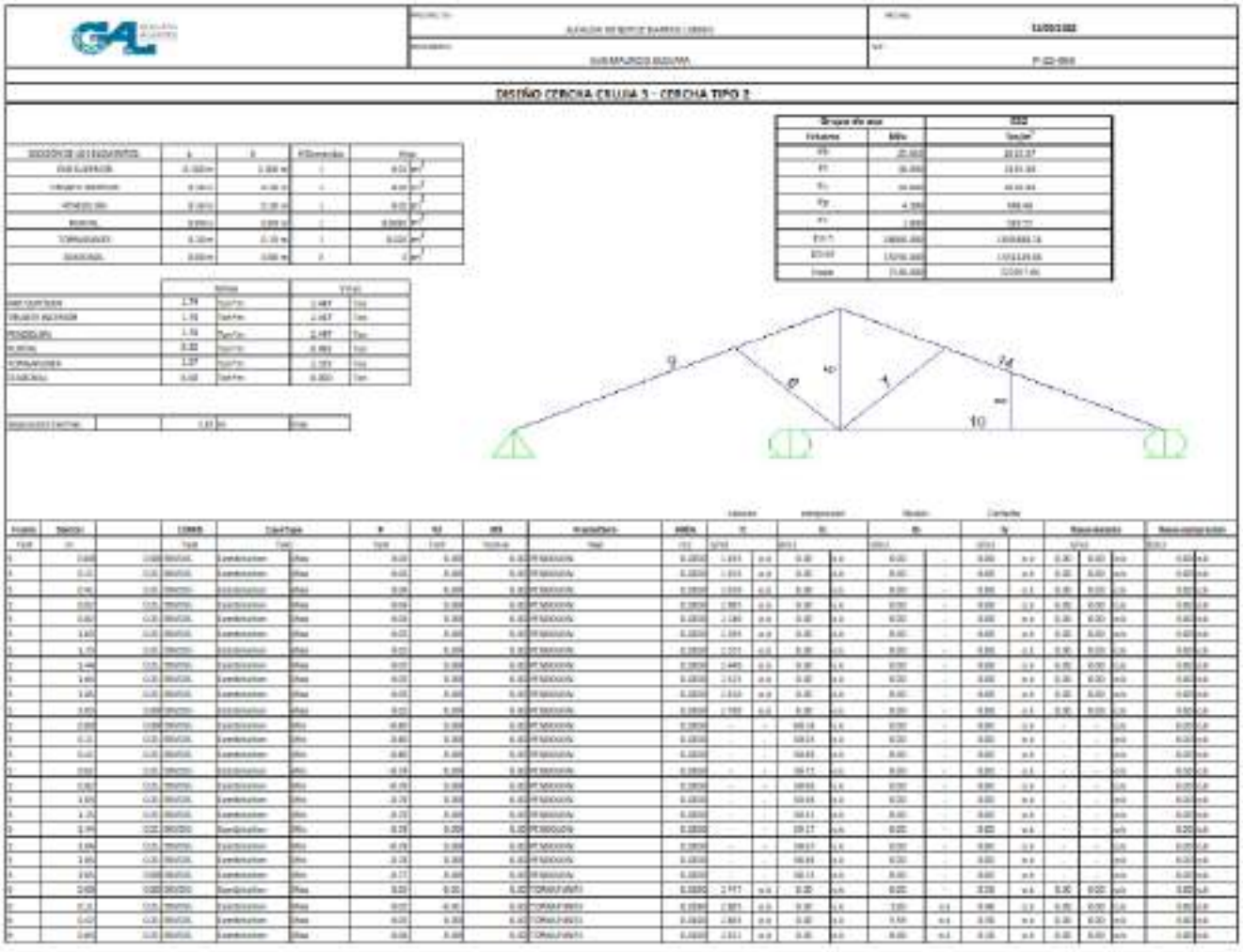
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 2.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elementos Grupo ES2



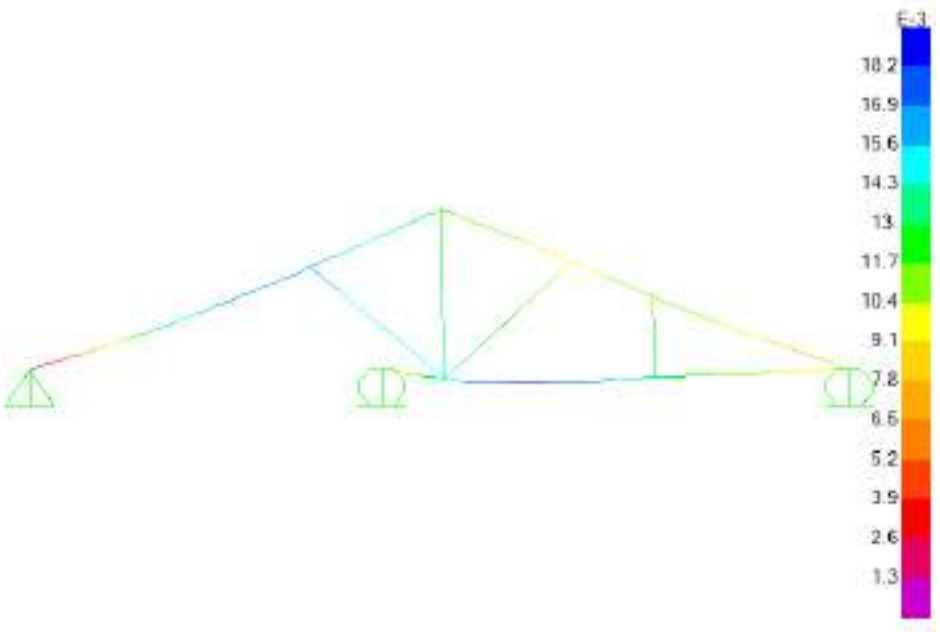
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.84	0.21	ENVOIS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	2.979	o.k	0.00	o.k	8.00	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
6	1.05	0.21	ENVOIS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	3.037	o.k	0.00	o.k	8.33	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.26	0.21	ENVOIS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	3.095	o.k	0.00	o.k	8.00	o.k	0.17	o.k	0.00	0.00	o.k	0.00	o.k
6	1.47	0.21	ENVOIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0190	3.153	o.k	0.00	o.k	6.99	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
6	1.69	0.21	ENVOIS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0190	3.216	o.k	0.00	o.k	5.33	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
6	1.90	0.21	ENVOIS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0190	3.274	o.k	0.00	o.k	3.00	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
6	2.11	0.00	ENVOIS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0190	3.332	o.k	0.00	o.k	0.00	o.k	0.83	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOIS	Combination	Min	-0.96	-0.01	0.00	TORNAPUNTA	0.0190	-	-	50.29	o.k	0.00	-	0.83	o.k	-	-	o.k	0.00	o.k
6	0.21	0.21	ENVOIS	Combination	Min	-0.95	-0.01	0.00	TORNAPUNTA	0.0190	-	-	50.19	o.k	1.80	o.k	0.66	o.k	-	-	o.k	0.00	o.k
6	0.42	0.21	ENVOIS	Combination	Min	-0.95	-0.01	0.00	TORNAPUNTA	0.0190	-	-	50.10	o.k	3.20	o.k	0.50	o.k	-	-	o.k	0.00	o.k
6	0.63	0.21	ENVOIS	Combination	Min	-0.95	0.00	0.00	TORNAPUNTA	0.0190	-	-	50.00	o.k	4.20	o.k	0.33	o.k	-	-	o.k	0.00	o.k
6	0.84	0.21	ENVOIS	Combination	Min	-0.95	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.91	o.k	4.80	o.k	0.17	o.k	-	-	o.k	0.00	o.k
6	1.05	0.21	ENVOIS	Combination	Min	-0.95	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.81	o.k	5.00	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	1.26	0.21	ENVOIS	Combination	Min	-0.94	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.71	o.k	4.80	o.k	0.10	o.k	-	-	o.k	0.00	o.k
6	1.47	0.21	ENVOIS	Combination	Min	-0.94	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.61	o.k	4.20	o.k	0.20	o.k	-	-	o.k	0.00	o.k
6	1.69	0.21	ENVOIS	Combination	Min	-0.94	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.52	o.k	3.20	o.k	0.30	o.k	-	-	o.k	0.00	o.k
6	1.90	0.21	ENVOIS	Combination	Min	-0.94	0.01	0.00	TORNAPUNTA	0.0190	-	-	49.42	o.k	1.80	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	2.11	0.00	ENVOIS	Combination	Min	-0.94	0.01	0.00	TORNAPUNTA	0.0190	-	-	49.32	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Max	0.06	-0.01	0.00	TORNAPUNTA	0.0190	3.142	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	0.21	0.21	ENVOIS	Combination	Max	0.06	-0.01	0.00	TORNAPUNTA	0.0190	3.200	o.k	0.00	o.k	2.99	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
7	0.42	0.21	ENVOIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0190	3.258	o.k	0.00	o.k	5.31	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.63	0.21	ENVOIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0190	3.316	o.k	0.00	o.k	6.98	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
7	0.84	0.21	ENVOIS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	3.374	o.k	0.00	o.k	7.98	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
7	1.05	0.21	ENVOIS	Combination	Max	0.07	0.00	0.01	TORNAPUNTA	0.0190	3.452	o.k	0.00	o.k	8.31	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
7	1.26	0.21	ENVOIS	Combination	Max	0.07	0.00	0.01	TORNAPUNTA	0.0190	3.489	o.k	0.00	o.k	7.98	o.k	0.17	o.k	0.00	0.00	o.k	0.00	o.k
7	1.47	0.21	ENVOIS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0190	3.547	o.k	0.00	o.k	6.98	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
7	1.68	0.21	ENVOIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0190	3.605	o.k	0.00	o.k	5.31	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	1.89	0.21	ENVOIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0190	3.663	o.k	0.00	o.k	2.99	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
7	2.10	0.00	ENVOIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0190	3.721	o.k	0.00	o.k	0.00	o.k	0.83	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Min	-2.30	-0.01	0.00	TORNAPUNTA	0.0190	-	-	120.90	o.k	0.00	-	0.83	o.k	-	-	o.k	0.00	o.k
7	0.21	0.21	ENVOIS	Combination	Min	-2.30	-0.01	0.00	TORNAPUNTA	0.0190	-	-	120.81	o.k	1.80	o.k	0.66	o.k	-	-	o.k	0.00	o.k
7	0.42	0.21	ENVOIS	Combination	Min	-2.29	-0.01	0.00	TORNAPUNTA	0.0190	-	-	120.71	o.k	3.20	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.63	0.21	ENVOIS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.61	o.k	4.19	o.k	0.33	o.k	-	-	o.k	0.01	o.k
7	0.84	0.21	ENVOIS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.51	o.k	4.79	o.k	0.17	o.k	-	-	o.k	0.01	o.k
7	1.05	0.21	ENVOIS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.42	o.k	4.98	o.k	0.00	o.k	-	-	o.k	0.01	o.k
7	1.26	0.21	ENVOIS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.32	o.k	4.79	o.k	0.10	o.k	-	-	o.k	0.01	o.k
7	1.47	0.21	ENVOIS	Combination	Min	-2.28	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.22	o.k	4.19	o.k	0.20	o.k	-	-	o.k	0.01	o.k
7	1.68	0.21	ENVOIS	Combination	Min	-2.28	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.12	o.k	5.20	o.k	0.30	o.k	-	-	o.k	0.00	o.k
7	1.89	0.21	ENVOIS	Combination	Min	-2.28	0.01	0.00	TORNAPUNTA	0.0190	-	-	120.03	o.k	1.80	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	2.10	0.00	ENVOIS	Combination	Min	-2.28	0.01	0.00	TORNAPUNTA	0.0190	-	-	119.93	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.012	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.10	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.086	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.20	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.148	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.29	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.39	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.284	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.49	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.358	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.59	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.69	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.494	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.78	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.556	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.88	0.10	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.630	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.98	0.00	ENVOIS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.704	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
8	0.00	0.00	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.91	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.10	0.10	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.86	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.20	0.10	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.83	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.29	0.10	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.39	0.10	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.74	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.49	0.10	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.59	0.10	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.67	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.69	0.10	ENVOIS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.62	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.78	0.10	ENVOIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	-	-	0.58	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.88	0.10	ENVOIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	-	-	0.54	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
8	0.98	0.00	ENVOIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	-	-	0.49	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVOIS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0200	0.380	o.k	0.00	o.k	0.00	o.k	1.36	o.k	0.00	0.00	o.k	0.00	o.k
9	0.55	0.55	ENVOIS	Combination	Max	0.01	0.02	0.25	PAR SUPERIOR	0.0200	0.465	o.k	0.00	o.k	347.31	o.k	1.67	o.k	0.13	0.13	o.k	0.00	o.k
9	1.06	0.53	ENVOIS	Combination	Max	0.01	0.03	0.46	PAR SUPERIOR	0.0200	0.555	o.k	0.00	o.k	689.15	o.k	1.99	o.k	0.26	0.26	o.k	0.00	o.k
9	1.06	0.00	ENVOIS	Combination	Max	0.00	0.00	0.46	PAR SUPERIOR	0.0200	-	-	0.05	o.k	689.15	o.k	0.18	o.k	-	-	o.k	0.26	o.k
9	1.60	0.53	ENVOIS	Combination	Max	0.00	0.00	0.51	PAR SUPERIOR	0.0200	0.057	o.k	0.00	o.k	760.22	o.k	0.13	o.k	0.29	0.29	o.k	0.00	o.k
9	2.13	0.53	ENVOIS	Combination	Max	0.00	0.01	0.55	PAR SUPERIOR	0.0200	0.125	o.k	0.00	o.k	825.80	o.k	0.44	o.k	0.32	0.32	o.k	0.00	o.k
9	2.13	0.00	ENVOIS	Combination	Max	0.11	0.25	0.55	PAR SUPERIOR	0.0200	5.295	o.k	0.00	o.k	825.80	o.k	19.02	o.k	0.32	0.31	o.k	0.00	o.k
9	2.66	0.53	ENVOIS	Combination	Max	0.11	0.26	0.41	PAR SUPERIOR	0.0200	5.440	o.k	0.00	o.k	620.83	o.k	19.54	o.k	0.24	0.24	o.k	0.00	o.k
9	3.19	0.53	ENVOIS	Combination	Max	0.11	0.27	0.27	PAR SUPERIOR	0.0200	5.580	o.k	0.00	o.k	409.97	o.k	20.05	o.k	0.16	0.15	o.k	0.00	o.k
9	3.19	0.00	ENVOIS	Combination	Max	0.25	0.60	0.27	PAR SUPERIOR	0.0200	12.520	o.k	0.00	o.k	409.97	o.k	44.98	o.k	0.16	0.15	o.k	0.00	o.k
9	3.60	0.41	ENVOIS	Combination	Max	0.25	0.61	0.03	PAR SUPERIOR	0.0200	12.650	o.k	0.00	o.k	38.90	o.k	45.38	o.k	0.02	0.01	o.k	0.00	o.k
9	3.60	0.00	ENVOIS	Combination	Max	0.67	0.02	0.03	PAR SUPERIOR	0.0200	33.735	o.k	0.00	o.k	38.90	o.k	1.44	o.k	0.03	0.00	o.k	0.00	o.k
9	3.72	0.12	ENVOIS	Combination	Max	0.68	0.02	0.05	PAR SUPERIOR	0.0200	33.770	o.k	0.00	o.k	80.94	o.k	1.51	o.k	0.05	0.02	o.k	0.00	o.k
9	4.26	0.53	ENVOIS	Combination	Max	0.68	0.02	0.17	PAR SUPERIOR	0.0200	33.915	o.k	0.00	o.k	261.84	o.k	1.82	o.k	0.12	0.09	o.k	0.00	o.k
9	4.26	0.00	ENVOIS	Combination	Max	0.82	0.11	0.17	PAR SUPERIOR	0.0200	40.850	o.k	0.00	o.k	261.84	o.k	8.19	o.k	0.12	0.08	o.k	0.00	o.k
9	4.79	0.53	ENVOIS	Combination	Max	0.82	0.12	0.11	PAR SUPERIOR	0.0200	40.995	o.k	0.00	o.k	171.98	o.k	8.70	o.k	0.09	0.05	o.k	0.00	o.k
9	5.32	0.00	ENVOIS	Combination	Max	0.82	0.12	0.05	PAR SUPERIOR	0.0200	41.140	o.k	0.00	o.k	76.64	o.k	9.22	o.k	0.05	0.01	o.k	0.00	o.k
9	0.00	0.00	ENVOIS	Combination	Min	-0.18	-0.44	0.00	PAR SUPERIOR	0.0200	-	-	9.16	o.k	0.00	o.k	52.89	o.k	-	-	o.k	0.00	o.k
9	0.55	0.55	ENVOIS	Combination	Min	-0.18	-0.45	-0.01	PAR SUPERIOR	0.0200	-	-	9.02	o.k	16.19	o.k	52.58	o.k	-	-	o.k	0.01	o.k
9	1.06	0.53	ENVOIS	Combination	Min	-0.18	-0.42	-0.02	PAR SUPERIOR	0.0200	-	-	8.87	o.k	35.67	o.k	51.87	o.k	-	-	o.k	0.01	o.k
9	1.06	0.00	ENVOIS	Combination	Min	-0.04	-0.09	-0.02	PAR SUPERIOR	0.0200	-	-	1.93	o.k	35.67	o.k	6.94	o.k	-	-	o.k	0.01	o.k
9	1.60	0.53	ENVOIS	Combination	Min	-0.04	-0.09	-0.02	PAR SUPERIOR	0.0200	-	-	1.79	o.k	35.43	o.k	6.42	o.k	-	-	o.k	0.01	o.k
9	2.13	0.53	ENVOIS	Combination	Min	-0.03	-0.08	-0.05	PAR SUPERIOR	0.0200	-	-	1.65	o.k	38.49	o.k	5.90	o.k	-	-	o.k	0.01	o.k
9	2.13	0.00	ENVOIS	Combination	Min	-0.01	-0.02	-0.05	PAR SUPERIOR	0.0200	-	-	0.48	o.k	38.49	o.k	1.72	o.k	-	-	o.k	0.01	o.k
9	2.66	0.53	ENVOIS	Combination	Min	-0.01	-0.02	-0.01	PAR SUPERIOR	0.0200	-	-	0.40	o.k	21.81	o.k	1.41	o.k	-	-	o.k	0.01	o.k
9	3.19	0.53	ENVOIS	Combination	Min	-0.01	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	0.31	o.k	8.45	o.k	1.10	o.k	-	-	o.k	0.00	o.k
9	3.19	0.00	ENVOIS	Combination	Min	-0.02	-0.04	-0.01	PAR SUPERIOR	0.0200	-	-	0.91	o.k	8.45	o.k	3.26	o.k	-	-	o.k	0.00	o.k
9	3.60	0.41	ENVOIS	Combination	Min	-0.02	-0.04	0.01	PAR SUPERIOR	0.0200	-	-	0.84	o.k	17.40	o.k	3.02	o.k	-	-	o.k	0.01	o.k
9	3.60	0.00	ENVOIS	Combination	Min	-0.04	-0.25	0.01	PAR SUPERIOR	0.0200	-	-	1.95	o.k	17.40	o.k	17.58	o.k	-	-	o.k	0.01	o.k
9	3.72	0.12	ENVOIS	Combination	Min	-0.04	-0.25	0.01	PAR SUPERIOR	0.0200	-	-	1.93	o.k	13.80	o.k	17.26	o.k	-	-	o.k	0.01	o.k
9	4.26	0.53	ENVOIS	Combination	Min	-0.04	-0.22	0.00	PAR SUPERIOR	0.0200	-	-	1.85	o.k	3.95	o.k	16.74	o.k	-	-	o.k	0.00	o.k
9	4.26	0.00	ENVOIS	Combination	Min	-0.05	0.00	0.00	PAR SUPERIOR	0.0200	-	-	2.45	o.k	3.95	o.k	0.34	o.k	-	-	o.k	0.00	o.k
9	4.79	0.53	ENVOIS	Combination	Min	-0.05	0.00	0.00	PAR SUPERIOR	0.0200	-	-	2.36	o.k	1.98	o.k	0.03	o.k	-	-	o.k	0.00	o.k
9	5.32	0.00	ENVOIS	Combination	Min	-0.05	0.00	0.00	PAR SUPERIOR	0.0200	-	-	2.28	o.k	3.32	o.k	0.28	o.k	-	-	o.k	0.00	o.k
10	0.00	0.00	ENVOIS	Combination	Max	0.00	0.06	0.00	TIRANTE INFERIOR	0.0200	0.000	o.k	0.00	o.k	0.00	o.k	4.73	o.k	0.00	0.00	o.k	0.00	o.k
10	0.56	0.56	ENVOIS	Combination	Max	0.00	0.07	1.26	TIRANTE INFERIOR	0.0200	0.000	o.k	0.00	o.k	1884.63	o.k	5.08	o.k	0.72	0.72	o.k	0.00	o.k
10	0.75	0.19	ENVOIS	Combination	Max	0.00	0.07	1.67	TIRANTE INFERIOR	0.0200	0.000	o.k	0.00	o.k	2504.70	o.k	5.20	o.k	0.96	0.96	o.k	0.00	o.k
10	0.75	0.00	ENVOIS	Combination	Max	1.01	0.74	1.67	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	2504.70	o.k	55.59	o.k	0.99	0.94	o.k	0.00	o.k
10	1.13	0.38	ENVOIS	Combination	Max	1.01	0.75	1.39	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	2082.92	o.k	55.99	o.k	0.82	0.78	o.k	0.00	o.k
10	1.69	0.56	ENVOIS	Combination	Max	1.01	0.75	0.97	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	1448.03	o.k	56.58	o.k	0.58	0.53	o.k	0.00	o.k
10	2.26	0.56	ENVOIS	Combination	Max	1.01	0.76	0.54	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	806.45	o.k	57.17	o.k	0.34	0.29	o.k	0.00	o.k
10	2.82	0.56	ENVOIS	Combination	Max	1.01	0.77	0.11	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	158.18	o.k	57.76	o.k	0.09	0.04	o.k	0.00	o.k
10	3.30	0.48	ENVOIS	Combination	Max	1.01	0.78	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.27	o.k	58.27	o.k	0.03	-0.02	o.k	0.00	o.k
10	3.30	0.00	ENVOIS	Combination	Max	1.01	0.00	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.27	o.k	0.21	o.k	0.03	-0.02	o.k	0.00	o.k
10	3.58	0.08	ENVOIS	Combination	Max	1.01	0.00	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.57	o.k	0.16	o.k	0.03	-0.02	o.k	0.00	o.k
10	3.95	0.56	ENVOIS	Combination	Max	1.01	0.00	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.31	o.k	0.20	o.k	0.03	-0.02	o.k	0.00	o.k
10	4.51	0.56	ENVOIS	Combination	Max	1.01	0.01	0.05	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	73.11	o.k	0.55	o.k	0.06	0.01	o.k	0.00	o.k
10	5.08	0.56	ENVOIS	Combination	Max	1.01	0.01	0.19	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	282.20	o.k	0.91	o.k	0.14	0.09	o.k	0.00	o.k
10	5.64	0.00	ENVOIS	Combination	Max	1.01	0.02	0.32	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	484.81	o.k	1.27	o.k	0.21	0.17	o.k	0.00	o.k
10	0.00	0.00	ENVOIS	Combination	Min	0.00	-2.23	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	0.00	o.k	167.38	o.k	-	-	o.k	0.00	o.k
10	0.56	0.56	ENVOIS	Combination	Min	0.00	-2.22	-0.04	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	55.37	o.k	166.78	o.k	-	-	o.k	0.02	o.k
10	0.75	0.19	ENVOIS	Combination	Min	0.00	-2.22	-0.05	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	74.49	o.k	166.59	o.k	-	-	o.k	0.03	o.k
10	0.75	0.00	ENVOIS	Combination	Min	-0.01	-0.03	-0.05	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	74.49	o.k	2.37	o.k	-	-	o.k	0.03	o.k
10	1.13	0.38	ENVOIS	Combination	Min	-0.01	-0.03	-0.04	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	57.50	o.k	2.13	o.k	-	-	o.k	0.02	o.k
10	1.69	0.56	ENVOIS	Combination	Min	-0.01	-0.02	-0.02	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	35.49	o.k	1.77	o.k	-	-	o.k	0.01	o.k
10	2.26	0.56	ENVOIS	Combination	Min	-0.01	-0.02	-0.01	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	17.49	o.k	1.42	o.k	-	-	o.k	0.01	o.k
10	2.82	0.56	ENVOIS	Combination	Min	-0.01	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	3.50	o.k	1.06	o.k	-	-	o.k	0.00	o.k
10	3.30	0.48	ENVOIS	Combination	Min	-0.01	-0.01	-0.27	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	398.81	o.k	0.76	o.k	-	-	o.k	0.15	o.k
10	3.30	0.00	ENVOIS	Combination	Min	-0.01	-0.27	-0.27	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	398.81	o.k	20.11	o.k	-	-	o.k	0.15	o.k
10	3.58	0.08	ENVOIS	Combination	Min	-0.01	-0.27	-0.24	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	365.10	o.k	20.02	o.k	-	-	o.k	0.14	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
10	3.95	0.56	ENVDIS	Combination	Min	-0.01	-0.26	-0.10	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	142.65	o.k	19.42	o.k	-	-	o.k	0.05	o.k
10	4.51	0.56	ENVDIS	Combination	Min	-0.01	-0.25	0.00	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	1.05	o.k	18.83	o.k	-	-	o.k	0.00	o.k
10	5.08	0.56	ENVDIS	Combination	Min	-0.01	-0.24	0.00	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	7.22	o.k	18.24	o.k	-	-	o.k	0.00	o.k
10	5.64	0.00	ENVDIS	Combination	Min	-0.01	-0.24	-0.01	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	19.49	o.k	17.65	o.k	-	-	o.k	0.01	o.k
14	0.00	0.00	ENVDIS	Combination	Max	0.65	0.29	0.05	PAR SUPERIOR	0.0200	32.520	o.k	0.00	o.k	76.64	o.k	21.73	o.k	0.05	0.02	o.k	0.00	o.k
14	0.53	0.53	ENVDIS	Combination	Max	0.65	0.50	0.00	PAR SUPERIOR	0.0200	32.580	o.k	0.00	o.k	2.09	o.k	22.24	o.k	0.02	-0.01	o.k	0.00	o.k
14	1.06	0.53	ENVDIS	Combination	Max	0.64	0.50	0.00	PAR SUPERIOR	0.0200	32.255	o.k	0.00	o.k	4.23	o.k	22.76	o.k	0.02	-0.01	o.k	0.00	o.k
14	1.06	0.00	ENVDIS	Combination	Max	0.51	0.64	0.00	PAR SUPERIOR	0.0200	25.270	o.k	0.00	o.k	4.23	o.k	47.68	o.k	0.02	-0.01	o.k	0.00	o.k
14	1.59	0.53	ENVDIS	Combination	Max	0.50	0.64	0.02	PAR SUPERIOR	0.0200	25.130	o.k	0.00	o.k	26.01	o.k	48.19	o.k	0.02	0.00	o.k	0.00	o.k
14	1.72	0.13	ENVDIS	Combination	Max	0.50	0.64	0.02	PAR SUPERIOR	0.0200	25.095	o.k	0.00	o.k	30.71	o.k	48.31	o.k	0.03	0.00	o.k	0.00	o.k
14	1.72	0.00	ENVDIS	Combination	Max	-0.01	0.04	0.02	PAR SUPERIOR	0.0200	-	-	0.58	o.k	30.71	o.k	3.15	o.k	-	-	o.k	0.01	o.k
14	2.12	0.40	ENVDIS	Combination	Max	-0.01	0.05	0.00	PAR SUPERIOR	0.0200	-	-	0.64	o.k	4.29	o.k	3.38	o.k	-	-	o.k	0.00	o.k
14	2.12	0.00	ENVDIS	Combination	Max	0.00	0.02	0.00	PAR SUPERIOR	0.0200	-	-	0.04	o.k	4.29	o.k	1.22	o.k	-	-	o.k	0.00	o.k
14	2.65	0.53	ENVDIS	Combination	Max	0.00	0.02	0.44	PAR SUPERIOR	0.0200	-	-	0.13	o.k	865.36	o.k	1.53	o.k	-	-	o.k	0.25	o.k
14	2.77	0.11	ENVDIS	Combination	Max	0.00	0.02	0.56	PAR SUPERIOR	0.0200	-	-	0.14	o.k	843.29	o.k	1.60	o.k	-	-	o.k	0.32	o.k
14	2.77	0.00	ENVDIS	Combination	Max	0.00	0.02	0.56	PAR SUPERIOR	0.0200	-	-	0.07	o.k	843.29	o.k	1.31	o.k	-	-	o.k	0.32	o.k
14	3.18	0.42	ENVDIS	Combination	Max	0.00	0.02	0.60	PAR SUPERIOR	0.0200	-	-	0.13	o.k	894.06	o.k	1.56	o.k	-	-	o.k	0.34	o.k
14	3.18	0.00	ENVDIS	Combination	Max	0.01	0.25	0.60	PAR SUPERIOR	0.0200	0.475	o.k	0.00	o.k	894.06	o.k	19.02	o.k	0.34	0.34	o.k	0.00	o.k
14	3.71	0.53	ENVDIS	Combination	Max	0.01	0.26	0.46	PAR SUPERIOR	0.0200	0.385	o.k	0.00	o.k	689.66	o.k	19.55	o.k	0.26	0.26	o.k	0.00	o.k
14	4.24	0.53	ENVDIS	Combination	Max	0.01	0.27	0.32	PAR SUPERIOR	0.0200	0.300	o.k	0.00	o.k	479.81	o.k	20.05	o.k	0.18	0.18	o.k	0.00	o.k
14	4.24	0.00	ENVDIS	Combination	Max	0.02	0.60	0.32	PAR SUPERIOR	0.0200	0.905	o.k	0.00	o.k	479.81	o.k	44.95	o.k	0.18	0.18	o.k	0.00	o.k
14	4.77	0.53	ENVDIS	Combination	Max	0.02	0.61	0.00	PAR SUPERIOR	0.0200	0.820	o.k	0.00	o.k	2.15	o.k	45.47	o.k	0.00	0.00	o.k	0.00	o.k
14	5.30	0.00	ENVDIS	Combination	Max	0.01	0.61	0.01	PAR SUPERIOR	0.0200	0.735	o.k	0.00	o.k	19.49	o.k	45.98	o.k	0.01	0.01	o.k	0.00	o.k
14	0.00	0.00	ENVDIS	Combination	Min	-0.04	-0.01	0.00	PAR SUPERIOR	0.0200	-	-	2.17	o.k	5.32	o.k	0.86	o.k	-	-	o.k	0.00	o.k
14	0.53	0.53	ENVDIS	Combination	Min	-0.05	0.00	-0.10	PAR SUPERIOR	0.0200	-	-	2.26	o.k	156.59	o.k	0.35	o.k	-	-	o.k	0.06	o.k
14	1.06	0.53	ENVDIS	Combination	Min	-0.05	0.00	-0.26	PAR SUPERIOR	0.0200	-	-	2.34	o.k	395.25	o.k	0.05	o.k	-	-	o.k	0.15	o.k
14	1.06	0.00	ENVDIS	Combination	Min	-0.03	-0.05	-0.26	PAR SUPERIOR	0.0200	-	-	1.74	o.k	395.25	o.k	2.20	o.k	-	-	o.k	0.15	o.k
14	1.59	0.53	ENVDIS	Combination	Min	-0.04	-0.05	-0.60	PAR SUPERIOR	0.0200	-	-	1.83	o.k	903.54	o.k	1.90	o.k	-	-	o.k	0.35	o.k
14	1.72	0.13	ENVDIS	Combination	Min	-0.04	-0.02	-0.68	PAR SUPERIOR	0.0200	-	-	1.85	o.k	1024.88	o.k	1.83	o.k	-	-	o.k	0.39	o.k
14	1.72	0.00	ENVDIS	Combination	Min	-0.51	-1.40	-0.68	PAR SUPERIOR	0.0200	-	-	25.40	o.k	1024.88	o.k	104.89	o.k	-	-	o.k	0.39	o.k
14	2.12	0.40	ENVDIS	Combination	Min	-0.51	-1.39	-0.12	PAR SUPERIOR	0.0200	-	-	25.51	o.k	177.90	o.k	104.50	o.k	-	-	o.k	0.07	o.k
14	2.12	0.00	ENVDIS	Combination	Min	-0.65	-1.06	-0.12	PAR SUPERIOR	0.0200	-	-	32.47	o.k	177.90	o.k	79.59	o.k	-	-	o.k	0.07	o.k
14	2.65	0.53	ENVDIS	Combination	Min	-0.65	-1.05	-0.01	PAR SUPERIOR	0.0200	-	-	32.62	o.k	10.28	o.k	79.07	o.k	-	-	o.k	0.00	o.k
14	2.77	0.11	ENVDIS	Combination	Min	-0.65	-1.05	-0.01	PAR SUPERIOR	0.0200	-	-	32.65	o.k	13.85	o.k	78.96	o.k	-	-	o.k	0.01	o.k
14	2.77	0.00	ENVDIS	Combination	Min	-1.06	-0.08	-0.01	PAR SUPERIOR	0.0200	-	-	52.96	o.k	13.85	o.k	6.30	o.k	-	-	o.k	0.01	o.k
14	3.18	0.42	ENVDIS	Combination	Min	-1.06	-0.08	-0.02	PAR SUPERIOR	0.0200	-	-	53.07	o.k	25.80	o.k	5.89	o.k	-	-	o.k	0.01	o.k
14	3.18	0.00	ENVDIS	Combination	Min	-1.20	-0.01	-0.02	PAR SUPERIOR	0.0200	-	-	60.03	o.k	25.80	o.k	0.60	o.k	-	-	o.k	0.01	o.k
14	3.71	0.53	ENVDIS	Combination	Min	-1.20	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	60.18	o.k	21.05	o.k	0.29	o.k	-	-	o.k	0.01	o.k
14	4.24	0.53	ENVDIS	Combination	Min	-1.21	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	60.32	o.k	19.55	o.k	0.01	o.k	-	-	o.k	0.01	o.k
14	4.24	0.00	ENVDIS	Combination	Min	-1.35	-0.03	-0.01	PAR SUPERIOR	0.0200	-	-	67.28	o.k	19.55	o.k	2.14	o.k	-	-	o.k	0.01	o.k
14	4.77	0.53	ENVDIS	Combination	Min	-1.35	-0.02	0.00	PAR SUPERIOR	0.0200	-	-	67.43	o.k	0.00	o.k	1.84	o.k	-	-	o.k	0.00	o.k
14	5.30	0.00	ENVDIS	Combination	Min	-1.35	-0.02	-0.32	PAR SUPERIOR	0.0200	-	-	67.57	o.k	484.61	o.k	1.55	o.k	-	-	o.k	0.27	o.k

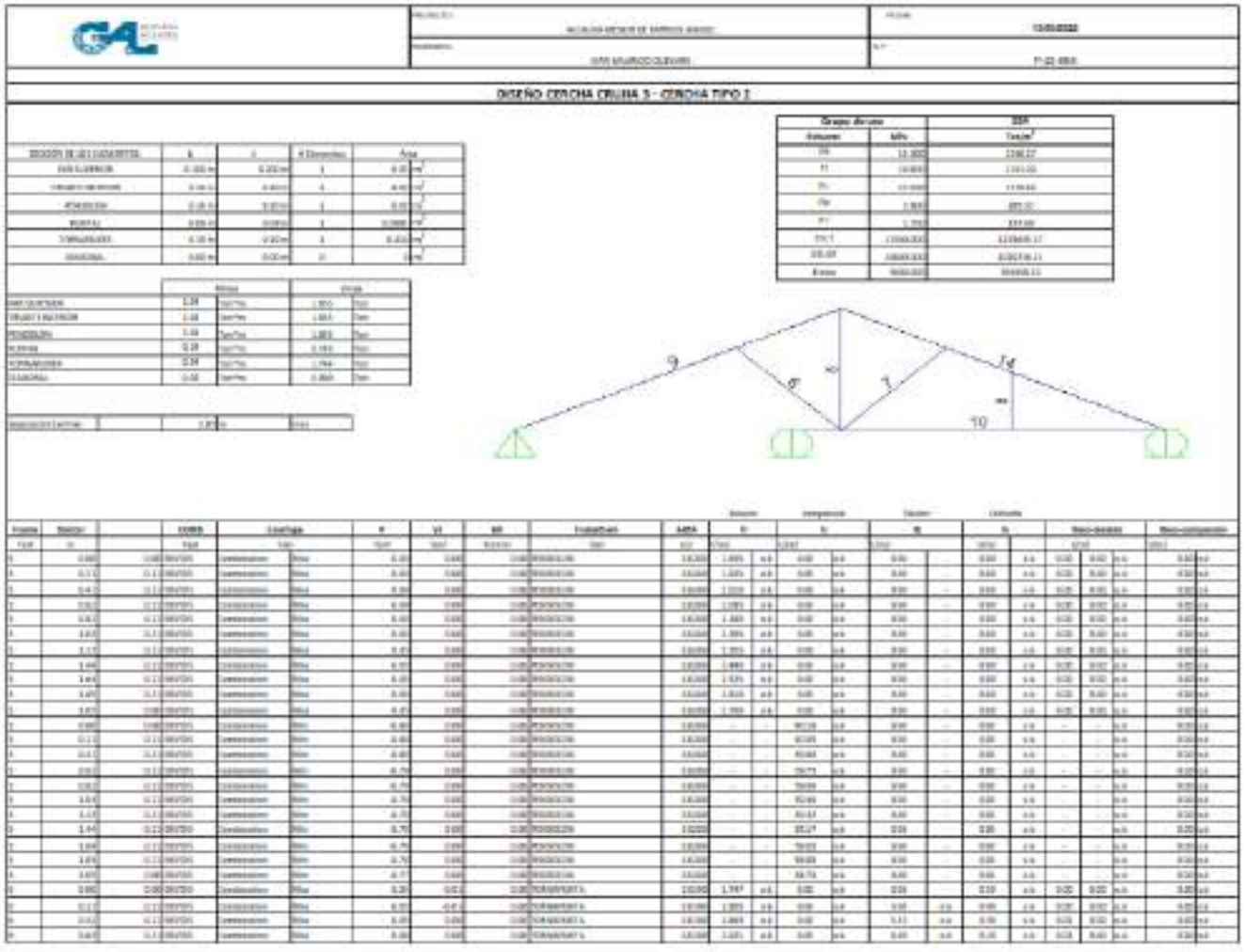
CUBIERTA MADERA - CRUJIA 3 - CERCHA TIPO 2

EVALUACION DE DEFORMACIONES



Luz Libre 5.64 m
Deformacion Admisible
1.88 cm CUMPLE
Deforamcion cercha
1.82 cm

Analisis Elementos Grupo ES4



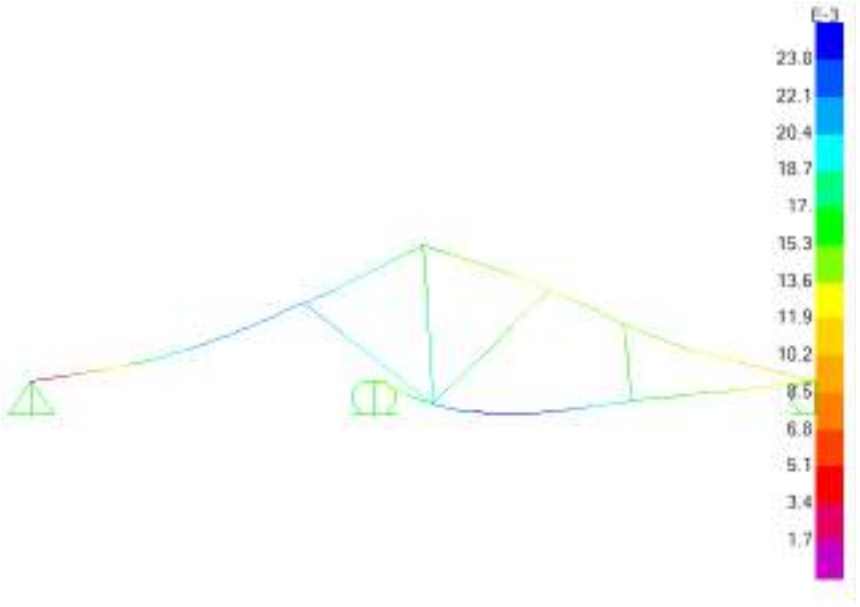
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.84	0.21	ENVOLS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	2.979	o.k	0.00	o.k	8.00	o.k	0.10	o.k	0.01	0.00	o.k	0.00	o.k
6	1.05	0.21	ENVOLS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	3.037	o.k	0.00	o.k	8.33	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
6	1.26	0.21	ENVOLS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	3.095	o.k	0.00	o.k	8.00	o.k	0.17	o.k	0.01	0.00	o.k	0.00	o.k
6	1.47	0.21	ENVOLS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0190	3.153	o.k	0.00	o.k	6.99	o.k	0.33	o.k	0.01	0.00	o.k	0.00	o.k
6	1.69	0.21	ENVOLS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0190	3.216	o.k	0.00	o.k	5.33	o.k	0.50	o.k	0.01	0.00	o.k	0.00	o.k
6	1.90	0.21	ENVOLS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0190	3.274	o.k	0.00	o.k	3.00	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
6	2.11	0.00	ENVOLS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0190	3.332	o.k	0.00	o.k	0.00	o.k	0.83	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Min	-0.96	-0.01	0.00	TORNAPUNTA	0.0190	-	-	50.29	o.k	0.00	-	0.83	o.k	-	-	o.k	0.00	o.k
6	0.21	0.21	ENVOLS	Combination	Min	-0.95	-0.01	0.00	TORNAPUNTA	0.0190	-	-	50.19	o.k	1.80	o.k	0.66	o.k	-	-	o.k	0.00	o.k
6	0.42	0.21	ENVOLS	Combination	Min	-0.95	-0.01	0.00	TORNAPUNTA	0.0190	-	-	50.10	o.k	3.20	o.k	0.50	o.k	-	-	o.k	0.00	o.k
6	0.63	0.21	ENVOLS	Combination	Min	-0.95	0.00	0.00	TORNAPUNTA	0.0190	-	-	50.00	o.k	4.20	o.k	0.33	o.k	-	-	o.k	0.00	o.k
6	0.84	0.21	ENVOLS	Combination	Min	-0.95	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.91	o.k	4.80	o.k	0.17	o.k	-	-	o.k	0.00	o.k
6	1.05	0.21	ENVOLS	Combination	Min	-0.95	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.81	o.k	5.00	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	1.26	0.21	ENVOLS	Combination	Min	-0.94	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.71	o.k	4.80	o.k	0.10	o.k	-	-	o.k	0.00	o.k
6	1.47	0.21	ENVOLS	Combination	Min	-0.94	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.61	o.k	4.20	o.k	0.20	o.k	-	-	o.k	0.00	o.k
6	1.69	0.21	ENVOLS	Combination	Min	-0.94	0.00	0.00	TORNAPUNTA	0.0190	-	-	49.52	o.k	3.20	o.k	0.30	o.k	-	-	o.k	0.00	o.k
6	1.90	0.21	ENVOLS	Combination	Min	-0.94	0.01	0.00	TORNAPUNTA	0.0190	-	-	49.42	o.k	1.80	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	2.11	0.00	ENVOLS	Combination	Min	-0.94	0.01	0.00	TORNAPUNTA	0.0190	-	-	49.32	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	0.06	-0.01	0.00	TORNAPUNTA	0.0190	3.142	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
7	0.21	0.21	ENVOLS	Combination	Max	0.06	-0.01	0.00	TORNAPUNTA	0.0190	3.200	o.k	0.00	o.k	2.99	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
7	0.42	0.21	ENVOLS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0190	3.258	o.k	0.00	o.k	5.31	o.k	0.30	o.k	0.01	0.00	o.k	0.00	o.k
7	0.63	0.21	ENVOLS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0190	3.316	o.k	0.00	o.k	6.98	o.k	0.20	o.k	0.01	0.00	o.k	0.00	o.k
7	0.84	0.21	ENVOLS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0190	3.374	o.k	0.00	o.k	7.98	o.k	0.10	o.k	0.01	0.00	o.k	0.00	o.k
7	1.05	0.21	ENVOLS	Combination	Max	0.07	0.00	0.01	TORNAPUNTA	0.0190	3.432	o.k	0.00	o.k	8.31	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
7	1.26	0.21	ENVOLS	Combination	Max	0.07	0.00	0.01	TORNAPUNTA	0.0190	3.489	o.k	0.00	o.k	7.98	o.k	0.17	o.k	0.01	0.00	o.k	0.00	o.k
7	1.47	0.21	ENVOLS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0190	3.547	o.k	0.00	o.k	6.98	o.k	0.33	o.k	0.01	0.00	o.k	0.00	o.k
7	1.68	0.21	ENVOLS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0190	3.605	o.k	0.00	o.k	5.31	o.k	0.50	o.k	0.01	0.00	o.k	0.00	o.k
7	1.89	0.21	ENVOLS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0190	3.663	o.k	0.00	o.k	2.99	o.k	0.66	o.k	0.01	0.00	o.k	0.00	o.k
7	2.10	0.00	ENVOLS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0190	3.721	o.k	0.00	o.k	0.00	o.k	0.83	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	-2.30	-0.01	0.00	TORNAPUNTA	0.0190	-	-	120.90	o.k	0.00	-	0.83	o.k	-	-	o.k	0.01	o.k
7	0.21	0.21	ENVOLS	Combination	Min	-2.30	-0.01	0.00	TORNAPUNTA	0.0190	-	-	120.81	o.k	1.80	o.k	0.66	o.k	-	-	o.k	0.01	o.k
7	0.42	0.21	ENVOLS	Combination	Min	-2.29	-0.01	0.00	TORNAPUNTA	0.0190	-	-	120.71	o.k	3.20	o.k	0.50	o.k	-	-	o.k	0.01	o.k
7	0.63	0.21	ENVOLS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.61	o.k	4.19	o.k	0.33	o.k	-	-	o.k	0.01	o.k
7	0.84	0.21	ENVOLS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.51	o.k	4.79	o.k	0.17	o.k	-	-	o.k	0.01	o.k
7	1.05	0.21	ENVOLS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.42	o.k	4.98	o.k	0.00	o.k	-	-	o.k	0.01	o.k
7	1.26	0.21	ENVOLS	Combination	Min	-2.29	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.32	o.k	4.79	o.k	0.10	o.k	-	-	o.k	0.01	o.k
7	1.47	0.21	ENVOLS	Combination	Min	-2.28	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.22	o.k	4.19	o.k	0.20	o.k	-	-	o.k	0.01	o.k
7	1.68	0.21	ENVOLS	Combination	Min	-2.28	0.00	0.00	TORNAPUNTA	0.0190	-	-	120.12	o.k	5.20	o.k	0.30	o.k	-	-	o.k	0.01	o.k
7	1.89	0.21	ENVOLS	Combination	Min	-2.28	0.01	0.00	TORNAPUNTA	0.0190	-	-	120.03	o.k	1.80	o.k	0.40	o.k	-	-	o.k	0.01	o.k
7	2.10	0.00	ENVOLS	Combination	Min	-2.28	0.01	0.00	TORNAPUNTA	0.0190	-	-	119.93	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.01	o.k
8	0.00	0.00	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.012	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.10	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.086	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.20	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.148	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.29	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.39	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.284	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.49	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.358	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.59	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.69	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.494	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.78	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.556	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.88	0.10	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.630	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.98	0.00	ENVOLS	Combination	Max	1.05	0.00	0.00	PUNTAL	0.0081	129.704	o.k	0.00	o.k	0.00	-	0.00	o.k	0.12	-0.08	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.91	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.10	0.10	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.86	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.20	0.10	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.83	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.29	0.10	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.39	0.10	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.74	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.49	0.10	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.59	0.10	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.67	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.69	0.10	ENVOLS	Combination	Min	-0.01	0.00	0.00	PUNTAL	0.0081	-	-	0.62	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.78	0.10	ENVOLS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	-	-	0.58	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.88	0.10	ENVOLS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	-	-	0.54	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
8	0.98	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	-	-	0.49	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0200	0.380	o.k	0.00	o.k	0.00	o.k	1.36	o.k	0.00	0.00	o.k	0.00	o.k
9	0.53	0.53	ENVOLS	Combination	Max	0.01	0.02	0.23	PAR SUPERIOR	0.0200	0.465	o.k	0.00	o.k	947.31	o.k	1.67	o.k	0.22	0.22	o.k	0.00	o.k
9	1.06	0.53	ENVOLS	Combination	Max	0.01	0.03	0.46	PAR SUPERIOR	0.0200	0.555	o.k	0.00	o.k	889.15	o.k	1.99	o.k	0.44	0.44	o.k	0.00	o.k
9	1.06	0.00	ENVOLS	Combination	Max	0.00	0.00	0.46	PAR SUPERIOR	0.0200	-	-	0.05	o.k	889.15	o.k	0.18	o.k	-	-	o.k	0.44	o.k
9	1.60	0.53	ENVOLS	Combination	Max	0.00	0.00	0.51	PAR SUPERIOR	0.0200	0.057	o.k	0.00	o.k	760.22	o.k	0.13	o.k	0.49	0.49	o.k	0.00	o.k
9	2.13	0.53	ENVOLS	Combination	Max	0.00	0.01	0.55	PAR SUPERIOR	0.0200	0.125	o.k	0.00	o.k	825.80	o.k	0.44	o.k	0.53	0.53	o.k	0.00	o.k
9	2.13	0.00	ENVOLS	Combination	Max	0.11	0.25	0.55	PAR SUPERIOR	0.0200	5.295	o.k	0.00	o.k	825.80	o.k	19.02	o.k	0.53	0.53	o.k	0.00	o.k
9	2.66	0.53	ENVOLS	Combination	Max	0.11	0.26	0.41	PAR SUPERIOR	0.0200	5.440	o.k	0.00	o.k	620.65	o.k	19.54	o.k	0.40	0.39	o.k	0.00	o.k
9	3.19	0.53	ENVOLS	Combination	Max	0.11	0.27	0.27	PAR SUPERIOR	0.0200	5.580	o.k	0.00	o.k	409.97	o.k	20.05	o.k	0.27	0.26	o.k	0.00	o.k
9	3.19	0.00	ENVOLS	Combination	Max	0.25	0.60	0.27	PAR SUPERIOR	0.0200	12.520	o.k	0.00	o.k	409.97	o.k	44.98	o.k	0.27	0.25	o.k	0.00	o.k
9	3.60	0.41	ENVOLS	Combination	Max	0.25	0.61	0.05	PAR SUPERIOR	0.0200	12.630	o.k	0.00	o.k	38.90	o.k	45.38	o.k	0.04	0.02	o.k	0.00	o.k
9	3.60	0.00	ENVOLS	Combination	Max	0.67	0.02	0.05	PAR SUPERIOR	0.0200	33.735	o.k	0.00	o.k	38.90	o.k	1.44	o.k	0.06	0.00	o.k	0.00	o.k
9	3.72	0.12	ENVOLS	Combination	Max	0.68	0.02	0.05	PAR SUPERIOR	0.0200	33.770	o.k	0.00	o.k	80.94	o.k	1.51	o.k	0.08	0.03	o.k	0.00	o.k
9	4.26	0.53	ENVOLS	Combination	Max	0.68	0.02	0.17	PAR SUPERIOR	0.0200	33.915	o.k	0.00	o.k	261.84	o.k	1.82	o.k	0.20	0.15	o.k	0.00	o.k
9	4.26	0.00	ENVOLS	Combination	Max	0.82	0.11	0.17	PAR SUPERIOR	0.0200	40.850	o.k	0.00	o.k	261.84	o.k	8.19	o.k	0.20	0.14	o.k	0.00	o.k
9	4.79	0.53	ENVOLS	Combination	Max	0.82	0.12	0.11	PAR SUPERIOR	0.0200	40.995	o.k	0.00	o.k	171.98	o.k	8.70	o.k	0.15	0.08	o.k	0.00	o.k
9	5.32	0.00	ENVOLS	Combination	Max	0.82	0.12	0.05	PAR SUPERIOR	0.0200	41.140	o.k	0.00	o.k	76.64	o.k	9.22	o.k	0.09	0.02	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Min	-0.18	-0.44	0.00	PAR SUPERIOR	0.0200	-	-	9.16	o.k	0.00	o.k	52.89	o.k	-	-	o.k	0.00	o.k
9	0.53	0.53	ENVOLS	Combination	Min	-0.18	-0.45	-0.01	PAR SUPERIOR	0.0200	-	-	9.02	o.k	16.19	o.k	52.58	o.k	-	-	o.k	0.01	o.k
9	1.06	0.53	ENVOLS	Combination	Min	-0.18	-0.42	-0.02	PAR SUPERIOR	0.0200	-	-	8.87	o.k	35.67	o.k	51.87	o.k	-	-	o.k	0.02	o.k
9	1.06	0.00	ENVOLS	Combination	Min	-0.04	-0.09	-0.02	PAR SUPERIOR	0.0200	-	-	1.93	o.k	35.67	o.k	6.84	o.k	-	-	o.k	0.02	o.k
9	1.60	0.53	ENVOLS	Combination	Min	-0.04	-0.09	-0.02	PAR SUPERIOR	0.0200	-	-	1.79	o.k	35.43	o.k	6.42	o.k	-	-	o.k	0.02	o.k
9	2.13	0.53	ENVOLS	Combination	Min	-0.03	-0.08	-0.05	PAR SUPERIOR	0.0200	-	-	1.65	o.k	38.49	o.k	5.90	o.k	-	-	o.k	0.02	o.k
9	2.13	0.00	ENVOLS	Combination	Min	-0.01	-0.02	-0.05	PAR SUPERIOR	0.0200	-	-	0.48	o.k	38.49	o.k	1.72	o.k	-	-	o.k	0.02	o.k
9	2.66	0.53	ENVOLS	Combination	Min	-0.01	-0.02	-0.01	PAR SUPERIOR	0.0200	-	-	0.40	o.k	21.81	o.k	1.41	o.k	-	-	o.k	0.01	o.k
9	3.19	0.53	ENVOLS	Combination	Min	-0.01	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	0.51	o.k	8.45	o.k	1.10	o.k	-	-	o.k	0.01	o.k
9	3.19	0.00	ENVOLS	Combination	Min	-0.02	-0.04	-0.01	PAR SUPERIOR	0.0200	-	-	0.91	o.k	8.45	o.k	3.26	o.k	-	-	o.k	0.01	o.k
9	3.60	0.41	ENVOLS	Combination	Min	-0.02	-0.04	0.01	PAR SUPERIOR	0.0200	-	-	0.84	o.k	17.40	o.k	3.02	o.k	-	-	o.k	0.01	o.k
9	3.60	0.00	ENVOLS	Combination	Min	-0.04	-0.23	0.01	PAR SUPERIOR	0.0200	-	-	1.95	o.k	17.40	o.k	17.38	o.k	-	-	o.k	0.01	o.k
9	3.72	0.12	ENVOLS	Combination	Min	-0.04	-0.23	0.01	PAR SUPERIOR	0.0200	-	-	1.93	o.k	13.80	o.k	17.26	o.k	-	-	o.k	0.01	o.k
9	4.26	0.53	ENVOLS	Combination	Min	-0.04	-0.22	0.00	PAR SUPERIOR	0.0200	-	-	1.85	o.k	3.95	o.k	16.74	o.k	-	-	o.k	0.00	o.k
9	4.26	0.00	ENVOLS	Combination	Min	-0.05	0.00	0.00	PAR SUPERIOR	0.0200	-	-	2.45	o.k	3.95	o.k	0.34	o.k	-	-	o.k	0.00	o.k
9	4.79	0.53	ENVOLS	Combination	Min	-0.05	0.00	0.00	PAR SUPERIOR	0.0200	-	-	2.56	o.k	1.98	o.k	0.03	o.k	-	-	o.k	0.00	o.k
9	5.32	0.00	ENVOLS	Combination	Min	-0.05	0.00	0.00	PAR SUPERIOR	0.0200	-	-	2.28	o.k	3.32	o.k	0.28	o.k	-	-	o.k	0.00	o.k
10	0.00	0.00	ENVOLS	Combination	Max	0.00	0.06	0.00	TIRANTE INFERIOR	0.0200	0.000	o.k	0.00	o.k	0.00	o.k	4.73	o.k	0.00	0.00	o.k	0.00	o.k
10	0.56	0.56	ENVOLS	Combination	Max	0.00	0.07	1.26	TIRANTE INFERIOR	0.0200	0.000	o.k	0.00	o.k	1884.63	N.C	5.08	o.k	1.21	1.21	N.C	0.00	o.k
10	0.75	0.19	ENVOLS	Combination	Max	0.00	0.07	1.67	TIRANTE INFERIOR	0.0200	0.000	o.k	0.00	o.k	2504.70	N.C	5.20	o.k	1.61	1.61	N.C	0.00	o.k
10	0.75	0.00	ENVOLS	Combination	Max	1.01	0.74	1.67	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	2504.70	N.C	55.59	o.k	1.65	1.57	N.C	0.00	o.k
10	1.13	0.38	ENVOLS	Combination	Max	1.01	0.75	1.39	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	2082.92	N.C	55.99	o.k	1.38	1.30	N.C	0.00	o.k
10	1.69	0.56	ENVOLS	Combination	Max	1.01	0.75	0.97	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	1448.03	o.k	56.58	o.k	0.97	0.90	o.k	0.00	o.k
10	2.26	0.56	ENVOLS	Combination	Max	1.01	0.76	0.54	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	806.45	o.k	57.17	o.k	0.56	0.48	o.k	0.00	o.k
10	2.82	0.56	ENVOLS	Combination	Max	1.01	0.77	0.11	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	158.18	o.k	57.76	o.k	0.15	0.07	o.k	0.00	o.k
10	3.50	0.48	ENVOLS	Combination	Max	1.01	0.78	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.27	o.k	58.27	o.k	0.05	-0.03	o.k	0.00	o.k
10	3.50	0.00	ENVOLS	Combination	Max	1.01	0.00	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.27	o.k	0.21	o.k	0.05	-0.03	o.k	0.00	o.k
10	3.58	0.08	ENVOLS	Combination	Max	1.01	0.00	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.57	o.k	0.16	o.k	0.05	-0.03	o.k	0.00	o.k
10	3.95	0.56	ENVOLS	Combination	Max	1.01	0.00	0.00	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	5.31	o.k	0.20	o.k	0.05	-0.03	o.k	0.00	o.k
10	4.51	0.56	ENVOLS	Combination	Max	1.01	0.01	0.05	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	73.11	o.k	0.55	o.k	0.09	0.01	o.k	0.00	o.k
10	5.08	0.56	ENVOLS	Combination	Max	1.01	0.01	0.19	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	282.20	o.k	0.91	o.k	0.23	0.15	o.k	0.00	o.k
10	5.64	0.00	ENVOLS	Combination	Max	1.01	0.02	0.32	TIRANTE INFERIOR	0.0200	50.460	o.k	0.00	o.k	484.61	o.k	1.27	o.k	0.36	0.28	o.k	0.00	o.k
10	0.00	0.00	ENVOLS	Combination	Min	0.00	-2.23	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	0.00	o.k	167.38	N.C	-	-	o.k	0.00	o.k
10	0.56	0.56	ENVOLS	Combination	Min	0.00	-2.22	-0.04	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	55.37	o.k	166.78	N.C	-	-	o.k	0.04	o.k
10	0.75	0.19	ENVOLS	Combination	Min	0.00	-2.22	-0.05	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	74.49	o.k	166.59	N.C	-	-	o.k	0.05	o.k
10	0.75	0.00	ENVOLS	Combination	Min	-0.01	-0.03	-0.05	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	74.49	o.k	2.37	o.k	-	-	o.k	0.05	o.k
10	1.13	0.38	ENVOLS	Combination	Min	-0.01	-0.03	-0.04	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	57.50	o.k	2.13	o.k	-	-	o.k	0.04	o.k
10	1.69	0.56	ENVOLS	Combination	Min	-0.01	-0.02	-0.02	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	35.49	o.k	1.77	o.k	-	-	o.k	0.02	o.k
10	2.26	0.56	ENVOLS	Combination	Min	-0.01	-0.02	-0.01	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	17.49	o.k	1.42	o.k	-	-	o.k	0.01	o.k
10	2.82	0.56	ENVOLS	Combination	Min	-0.01	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	3.50	o.k	1.06	o.k	-	-	o.k	0.00	o.k
10	3.50	0.48	ENVOLS	Combination	Min	-0.01	-0.01	-0.27	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	398.81	o.k	0.76	o.k	-	-	o.k	0.26	o.k
10	3.50	0.00	ENVOLS	Combination	Min	-0.01	-0.27	-0.27	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	398.81	o.k	20.11	o.k	-	-	o.k	0.26	o.k
10	3.58	0.08	ENVOLS	Combination	Min	-0.01	-0.27	-0.24	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	365.10	o.k	20.02	o.k	-	-	o.k	0.23	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
10	3.95	0.56	ENVOI5	Combination	Min	-0.01	-0.26	-0.10	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	142.65	o.k	19.42	o.k	-	-	o.k	0.09	o.k
10	4.51	0.56	ENVOI5	Combination	Min	-0.01	-0.25	0.00	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	1.05	o.k	18.83	o.k	-	-	o.k	0.00	o.k
10	5.08	0.56	ENVOI5	Combination	Min	-0.01	-0.24	0.00	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	7.22	o.k	18.24	o.k	-	-	o.k	0.00	o.k
10	5.64	0.00	ENVOI5	Combination	Min	-0.01	-0.24	-0.01	TIRANTE INFERIOR	0.0200	-	-	0.28	o.k	19.49	o.k	17.65	o.k	-	-	o.k	0.01	o.k
14	0.00	0.00	ENVOI5	Combination	Max	0.65	0.29	0.05	PAR SUPERIOR	0.0200	32.520	o.k	0.00	o.k	76.64	o.k	21.75	o.k	0.08	0.03	o.k	0.00	o.k
14	0.53	0.53	ENVOI5	Combination	Max	0.65	0.50	0.00	PAR SUPERIOR	0.0200	32.580	o.k	0.00	o.k	2.09	o.k	22.24	o.k	0.03	-0.02	o.k	0.00	o.k
14	1.06	0.53	ENVOI5	Combination	Max	0.64	0.50	0.00	PAR SUPERIOR	0.0200	32.235	o.k	0.00	o.k	4.23	o.k	22.76	o.k	0.03	-0.02	o.k	0.00	o.k
14	1.06	0.00	ENVOI5	Combination	Max	0.51	0.64	0.00	PAR SUPERIOR	0.0200	25.270	o.k	0.00	o.k	4.23	o.k	47.68	o.k	0.03	-0.01	o.k	0.00	o.k
14	1.59	0.53	ENVOI5	Combination	Max	0.50	0.64	0.02	PAR SUPERIOR	0.0200	25.130	o.k	0.00	o.k	26.01	o.k	48.19	o.k	0.04	0.00	o.k	0.00	o.k
14	1.72	0.13	ENVOI5	Combination	Max	0.50	0.64	0.02	PAR SUPERIOR	0.0200	25.095	o.k	0.00	o.k	30.71	o.k	48.51	o.k	0.04	0.00	o.k	0.00	o.k
14	1.72	0.00	ENVOI5	Combination	Max	-0.01	0.04	0.02	PAR SUPERIOR	0.0200	-	-	0.58	o.k	30.71	o.k	3.15	o.k	-	-	o.k	0.02	o.k
14	2.12	0.40	ENVOI5	Combination	Max	-0.01	0.05	0.00	PAR SUPERIOR	0.0200	-	-	0.64	o.k	4.29	o.k	3.38	o.k	-	-	o.k	0.00	o.k
14	2.12	0.00	ENVOI5	Combination	Max	0.00	0.01	0.00	PAR SUPERIOR	0.0200	-	-	0.04	o.k	4.29	o.k	1.22	o.k	-	-	o.k	0.00	o.k
14	2.65	0.53	ENVOI5	Combination	Max	0.00	0.01	0.44	PAR SUPERIOR	0.0200	-	-	0.13	o.k	865.36	o.k	1.53	o.k	-	-	o.k	0.43	o.k
14	2.77	0.11	ENVOI5	Combination	Max	0.00	0.01	0.56	PAR SUPERIOR	0.0200	-	-	0.14	o.k	845.29	o.k	1.60	o.k	-	-	o.k	0.54	o.k
14	2.77	0.00	ENVOI5	Combination	Max	0.00	0.01	0.56	PAR SUPERIOR	0.0200	-	-	0.07	o.k	845.29	o.k	1.31	o.k	-	-	o.k	0.54	o.k
14	3.18	0.42	ENVOI5	Combination	Max	0.00	0.01	0.60	PAR SUPERIOR	0.0200	-	-	0.13	o.k	894.06	o.k	1.56	o.k	-	-	o.k	0.57	o.k
14	3.18	0.00	ENVOI5	Combination	Max	0.01	0.25	0.60	PAR SUPERIOR	0.0200	0.475	o.k	0.00	o.k	894.06	o.k	19.02	o.k	0.57	0.57	o.k	0.00	o.k
14	3.71	0.53	ENVOI5	Combination	Max	0.01	0.26	0.46	PAR SUPERIOR	0.0200	0.385	o.k	0.00	o.k	689.66	o.k	19.53	o.k	0.44	0.44	o.k	0.00	o.k
14	4.24	0.53	ENVOI5	Combination	Max	0.01	0.27	0.32	PAR SUPERIOR	0.0200	0.300	o.k	0.00	o.k	479.81	o.k	20.05	o.k	0.31	0.31	o.k	0.00	o.k
14	4.24	0.00	ENVOI5	Combination	Max	0.02	0.60	0.32	PAR SUPERIOR	0.0200	0.905	o.k	0.00	o.k	479.81	o.k	44.95	o.k	0.31	0.31	o.k	0.00	o.k
14	4.77	0.53	ENVOI5	Combination	Max	0.02	0.61	0.00	PAR SUPERIOR	0.0200	0.820	o.k	0.00	o.k	2.15	o.k	45.47	o.k	0.00	0.00	o.k	0.00	o.k
14	5.30	0.00	ENVOI5	Combination	Max	0.01	0.61	0.01	PAR SUPERIOR	0.0200	0.735	o.k	0.00	o.k	19.49	o.k	45.98	o.k	0.01	0.01	o.k	0.00	o.k
14	0.00	0.00	ENVOI5	Combination	Min	-0.04	-0.01	0.00	PAR SUPERIOR	0.0200	-	-	2.17	o.k	5.52	o.k	0.66	o.k	-	-	o.k	0.00	o.k
14	0.53	0.53	ENVOI5	Combination	Min	-0.05	0.00	-0.10	PAR SUPERIOR	0.0200	-	-	2.28	o.k	156.59	o.k	0.35	o.k	-	-	o.k	0.10	o.k
14	1.06	0.53	ENVOI5	Combination	Min	-0.05	0.00	-0.26	PAR SUPERIOR	0.0200	-	-	2.54	o.k	395.25	o.k	0.05	o.k	-	-	o.k	0.25	o.k
14	1.06	0.00	ENVOI5	Combination	Min	-0.03	-0.03	-0.26	PAR SUPERIOR	0.0200	-	-	1.74	o.k	395.25	o.k	2.20	o.k	-	-	o.k	0.25	o.k
14	1.59	0.53	ENVOI5	Combination	Min	-0.04	-0.03	-0.60	PAR SUPERIOR	0.0200	-	-	1.83	o.k	903.54	o.k	1.90	o.k	-	-	o.k	0.58	o.k
14	1.72	0.13	ENVOI5	Combination	Min	-0.04	-0.01	-0.68	PAR SUPERIOR	0.0200	-	-	1.85	o.k	1024.88	o.k	1.83	o.k	-	-	o.k	0.66	o.k
14	1.72	0.00	ENVOI5	Combination	Min	-0.51	-1.40	-0.68	PAR SUPERIOR	0.0200	-	-	25.40	o.k	1024.88	o.k	104.89	o.k	-	-	o.k	0.66	o.k
14	2.12	0.40	ENVOI5	Combination	Min	-0.51	-1.39	-0.12	PAR SUPERIOR	0.0200	-	-	25.51	o.k	177.90	o.k	104.50	o.k	-	-	o.k	0.11	o.k
14	2.12	0.00	ENVOI5	Combination	Min	-0.65	-1.06	-0.12	PAR SUPERIOR	0.0200	-	-	32.47	o.k	177.90	o.k	79.59	o.k	-	-	o.k	0.11	o.k
14	2.65	0.53	ENVOI5	Combination	Min	-0.65	-1.05	-0.01	PAR SUPERIOR	0.0200	-	-	32.62	o.k	10.28	o.k	79.07	o.k	-	-	o.k	0.01	o.k
14	2.77	0.11	ENVOI5	Combination	Min	-0.65	-1.05	-0.01	PAR SUPERIOR	0.0200	-	-	32.65	o.k	13.85	o.k	78.96	o.k	-	-	o.k	0.01	o.k
14	2.77	0.00	ENVOI5	Combination	Min	-1.06	-0.08	-0.01	PAR SUPERIOR	0.0200	-	-	52.96	o.k	13.85	o.k	6.30	o.k	-	-	o.k	0.01	o.k
14	3.18	0.42	ENVOI5	Combination	Min	-1.06	-0.08	-0.02	PAR SUPERIOR	0.0200	-	-	53.07	o.k	25.80	o.k	5.89	o.k	-	-	o.k	0.02	o.k
14	3.18	0.00	ENVOI5	Combination	Min	-1.20	-0.01	-0.02	PAR SUPERIOR	0.0200	-	-	60.03	o.k	25.80	o.k	0.60	o.k	-	-	o.k	0.02	o.k
14	3.71	0.53	ENVOI5	Combination	Min	-1.20	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	60.18	o.k	21.05	o.k	0.29	o.k	-	-	o.k	0.02	o.k
14	4.24	0.53	ENVOI5	Combination	Min	-1.21	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	60.32	o.k	19.55	o.k	0.01	o.k	-	-	o.k	0.01	o.k
14	4.24	0.00	ENVOI5	Combination	Min	-1.35	-0.03	-0.01	PAR SUPERIOR	0.0200	-	-	67.28	o.k	19.55	o.k	2.14	o.k	-	-	o.k	0.01	o.k
14	4.77	0.53	ENVOI5	Combination	Min	-1.35	-0.02	0.00	PAR SUPERIOR	0.0200	-	-	67.43	o.k	0.00	o.k	1.84	o.k	-	-	o.k	0.00	o.k
14	5.30	0.00	ENVOI5	Combination	Min	-1.35	-0.02	-0.32	PAR SUPERIOR	0.0200	-	-	67.57	o.k	484.61	o.k	1.53	o.k	-	-	o.k	0.57	o.k

CUBIERTA MADERA - CRUJIA 3 - CERCHA TIPO 2

EVALUACION DE DEFORMACIONES



Luz Libre 5.64 m
Deformacion Admisible
1.88 cm
Deforamcion cercha
2.38 cm

NO
CUMPLE

DISEÑO DE CORREAS EN MADERA CERCHA TIPO 2- CRUJIA 3

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

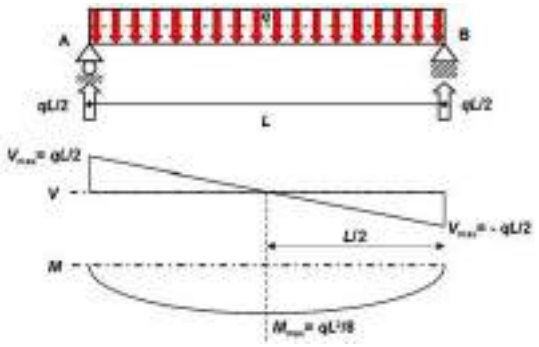
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 1.83 m L Afe= 1.05 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.6 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 52.50 Kg/m
CM= 105.35 Kg/m
W= 76.92 Kg/m



q_U =	**202.42 Kg/m**
$V_{MÀX}$=	**185.21 Kg**
$M_{MÀX}$=	**84.73 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *3.47 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *0.68 cm* > δ Admisible, No Cumple
δ Admisible L/300= 0.6 cm

NOTA:

4.11.9 Verificación Cubiertas Crujía 4.

4.11.9.1 Tipo 1

CUBIERTA CRUJIA 4

Corresponde al analisis de la crujia 4 cerchas CH1 a CH9, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

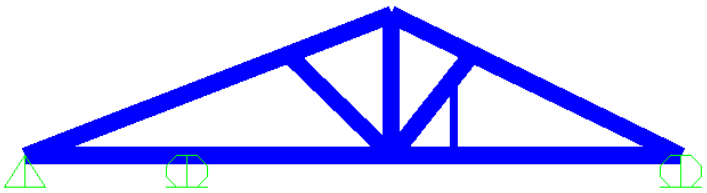
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	0.97	92.15	48.50	**48.50**	**71.06**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.96	180.61	95.06	**95.06**	**139.28**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None

Table: Combination Definitions, Part 2 of 3				
ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	CaseName	GUID	Notes
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR 20X10	N.A.	Default
2	Rectangular	N.A.	TIR 20X10	N.A.	Default
5	Rectangular	N.A.	PEN 20X10	N.A.	Default
6	Rectangular	N.A.	TORN 20X10	N.A.	Default
7	Rectangular	N.A.	TORN 20X10	N.A.	Default
8	Rectangular	N.A.	PUNT 0.09	N.A.	Default
9	Rectangular	N.A.	PAR 20X10	N.A.	Default
14	Rectangular	N.A.	PAR 20X10	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
PAR 20X10	M-ES2	Rectangular	0.2	0.1		
PEN 20X10	M-ES2	Rectangular	0.2	0.1		
PUNT 0.09	M-ES2	Rectangular	0.09	0.09		
TIR 20X10	M-ES2	Rectangular	0.2	0.1		
TORN 20X10	M-ES2	Rectangular	0.2	0.1		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
PAR 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PEN 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PUNT 0.09	0.0081	9.240E-06	5.468E-06	5.468E-06	0.	0.00675	0.00675
TIR 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
TORN 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
PAR 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PEN 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PUNT 0.09	0.000122	0.000122	0.000182	0.000182	0.025981	0.025981	
TIR 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
TORN 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
PAR 20X10	No	No	Cyan	124.49	12.69	No	1.
PEN 20X10	No	No	White	23.94	2.44	No	1.
PUNT 0.09	No	No	Cyan	5.35	0.55	No	1.
TIR 20X10	No	No	Magenta	114.8	11.71	No	1.
TORN 20X10	No	No	Blue	47.32	4.83	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
PAR 20X10	1.	1.	1.	1.	1.	1.	1.
PEN 20X10	1.	1.	1.	1.	1.	1.	1.
PUNT 0.09	1.	1.	1.	1.	1.	1.	1.
TIR 20X10	1.	1.	1.	1.	1.	1.	1.
TORN 20X10	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
PAR 20X10			
PEN 20X10			
PUNT 0.09			
TIR 20X10			
TORN 20X10			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
PAR 20X10	Added 01/06/2017 00:06:46
PEN 20X10	Added 01/06/2017 00:08:01
PUNT 0.09	Added 01/06/2017 00:08:43
TIR 20X10	Added 01/06/2017 00:07:12
TORN 20X10	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		2.02	Primary	Gray8Dark	Yes	End
GLOBAL	X		3.3	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.58	Primary	Gray8Dark	Yes	End
GLOBAL	X		5.36	Primary	Gray8Dark	Yes	End
GLOBAL	X		5.58	Primary	Gray8Dark	Yes	End
GLOBAL	X		8.2	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.21	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.71	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	D	GLOBAL	0.	0.	-180.61	0.	0.
1	Lr	GLOBAL	0.	0.	-95.06	0.	0.
1	G	GLOBAL	0.	0.	-95.06	0.	0.
1	W	GLOBAL	0.	0.	-139.28	0.	0.
3	D	GLOBAL	0.	0.	-180.61	0.	0.
3	Lr	GLOBAL	0.	0.	-95.06	0.	0.
3	G	GLOBAL	0.	0.	-95.06	0.	0.
3	W	GLOBAL	0.	0.	-139.28	0.	0.
4	D	GLOBAL	0.	0.	-180.61	0.	0.
4	Lr	GLOBAL	0.	0.	-95.06	0.	0.
4	G	GLOBAL	0.	0.	-95.06	0.	0.
4	W	GLOBAL	0.	0.	-139.28	0.	0.
13	D	GLOBAL	0.	0.	-180.61	0.	0.
13	Lr	GLOBAL	0.	0.	-95.06	0.	0.
13	G	GLOBAL	0.	0.	-95.06	0.	0.
13	W	GLOBAL	0.	0.	-139.28	0.	0.
14	D	GLOBAL	0.	0.	-180.61	0.	0.
14	Lr	GLOBAL	0.	0.	-95.06	0.	0.
14	G	GLOBAL	0.	0.	-95.06	0.	0.
14	W	GLOBAL	0.	0.	-139.28	0.	0.
15	D	GLOBAL	0.	0.	-180.61	0.	0.
15	Lr	GLOBAL	0.	0.	-95.06	0.	0.
15	G	GLOBAL	0.	0.	-95.06	0.	0.
15	W	GLOBAL	0.	0.	-139.28	0.	0.
16	D	GLOBAL	0.	0.	-180.61	0.	0.
16	Lr	GLOBAL	0.	0.	-95.06	0.	0.
16	G	GLOBAL	0.	0.	-95.06	0.	0.
16	W	GLOBAL	0.	0.	-139.28	0.	0.
17	D	GLOBAL	0.	0.	-180.61	0.	0.
17	Lr	GLOBAL	0.	0.	-95.06	0.	0.
17	G	GLOBAL	0.	0.	-95.06	0.	0.
17	W	GLOBAL	0.	0.	-139.28	0.	0.
18	D	GLOBAL	0.	0.	-180.61	0.	0.
18	Lr	GLOBAL	0.	0.	-95.06	0.	0.
18	G	GLOBAL	0.	0.	-95.06	0.	0.
18	W	GLOBAL	0.	0.	-139.28	0.	0.
19	D	GLOBAL	0.	0.	-180.61	0.	0.
19	Lr	GLOBAL	0.	0.	-95.06	0.	0.
19	G	GLOBAL	0.	0.	-95.06	0.	0.
19	W	GLOBAL	0.	0.	-139.28	0.	0.
20	D	GLOBAL	0.	0.	-180.61	0.	0.
20	Lr	GLOBAL	0.	0.	-95.06	0.	0.
20	G	GLOBAL	0.	0.	-95.06	0.	0.
20	W	GLOBAL	0.	0.	-139.28	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
1	D	0.	286d8f12-6c3f-4c17-a347-ca439a654404
1	Lr	0.	ab6079f9-c922-4289-a9c8-cbbbceff9b3c
1	G	0.	ed4101d1-24a7-4c60-b82f-fc299717db29
1	W	0.	33f489b9-9e25-49be-9978-393b52177441
3	D	0.	ee5f6858-1abb-4f0a-b061-4267150e8dd2
3	Lr	0.	a03b08dd-97a7-493b-92d8-e2c586d544bb
3	G	0.	a5bb5915-1875-424b-9091-8cc05598fb63
3	W	0.	593271d9-8352-4c62-b4af-c9dd43edef9d
4	D	0.	419be231-077d-4477-bc50-1e047716048f
4	Lr	0.	ade24465-a04d-4f41-9d89-e473d3f1fb7d
4	G	0.	430bdab2-2f0c-43ae-8016-d60ba3b06e3f
4	W	0.	247d2d81-4ded-4a18-b254-c1cff6dbe768
13	D	0.	e21493c7-6e77-4a57-bd62-1d37604bab7f
13	Lr	0.	b59e75b0-1895-4808-a374-e2647bbe642b
13	G	0.	cefdfdf6-d233-4fa4-95d9-96ea5641735c
13	W	0.	c191eafb-d716-40cb-8c44-2face751c8f3
14	D	0.	3444c063-d084-419a-9dd1-cc8f65ef51ea
14	Lr	0.	99cce4b8-3654-4617-b4f9-a3494c5564a1
14	G	0.	7e074f20-5a89-4887-9328-146a6b8c54db
14	W	0.	9a8ad8a3-935a-4908-97f1-31235d54965b
15	D	0.	35d6c75c-7127-4d9a-bdfd-382845d7c525
15	Lr	0.	60c54a51-8bbe-4f94-9b7c-d6ad63ccc8ed
15	G	0.	813506c1-0180-478e-b3d6-d7e3d7d67d04
15	W	0.	d2d90278-45bb-4b13-9469-2ac4f08f5f70
16	D	0.	eedd0630-b66b-4922-a922-95fd20b523f1
16	Lr	0.	fa7f3caf-2b1c-4b4e-b85d-a639fa47859c

Table: Joint Loads - Force, Part 2 of 2			
Joint	LoadPat	M3	GUID
		Kgf-m	
16	G	0.	34787f62-029e-46a0-8382-e80bfaca0d07
16	W	0.	1e0da6a1-dbec-4d44-853c-3695f04e886c
17	D	0.	1d151c22-3c49-4e4a-9df8-607b4604d8be
17	Lr	0.	70e14a7e-b0e9-49d1-8062-4587b823a0fb
17	G	0.	7b8ebef9-2a70-434a-b418-ac1512bd2221
17	W	0.	78a75189-1c48-49e4-8ae8-2de319daba3b
18	D	0.	df3a1bfe-034b-4dd1-b006-25c9d5aedf13
18	Lr	0.	c226ca55-910f-4f0b-b750-f994425e4c7a
18	G	0.	d6a5247c-8c6d-43d1-9f24-21a3ff6653b5
18	W	0.	0684359c-7e12-41b1-94e4-84b5e3f79769
19	D	0.	b13ca43f-c8fb-490c-88a3-44f01b64a92f
19	Lr	0.	f36d1b23-b5aa-4502-96eb-36d12318f548
19	G	0.	64139b35-42cd-4ba4-af87-0baa64ebf1e3
19	W	0.	636b7bba-6d60-4328-ba78-b8d25b367822
20	D	0.	8e213e27-f630-4bb6-8941-718222af22b9
20	Lr	0.	1cdd6419-c566-4fa8-a195-7c39a574833e
20	G	0.	ef56c26c-9a7a-4ae6-9073-10cfbed2f992
20	W	0.	e2c8cd0d-12e4-4cdd-beac-4ddddc470f95

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

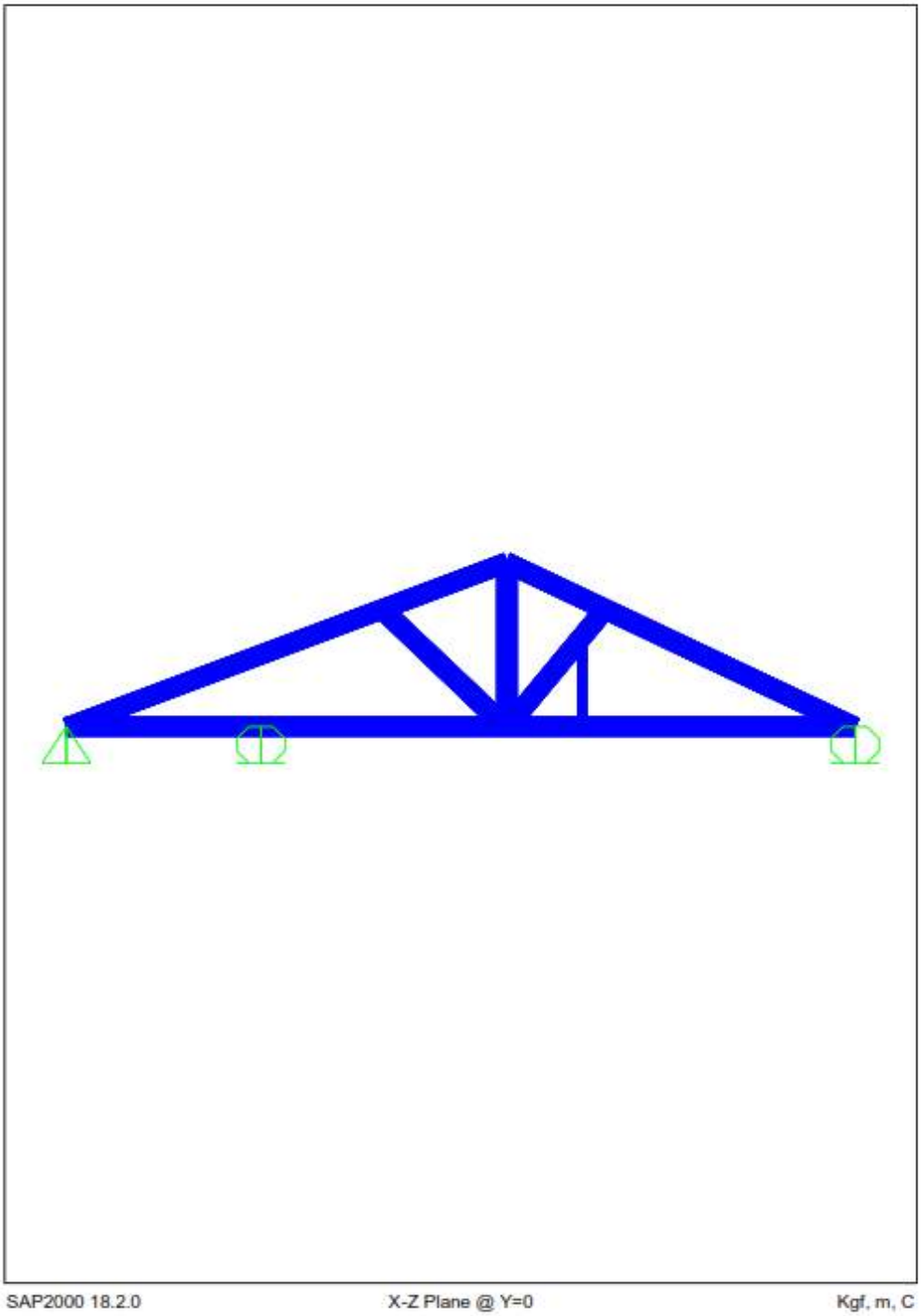
Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

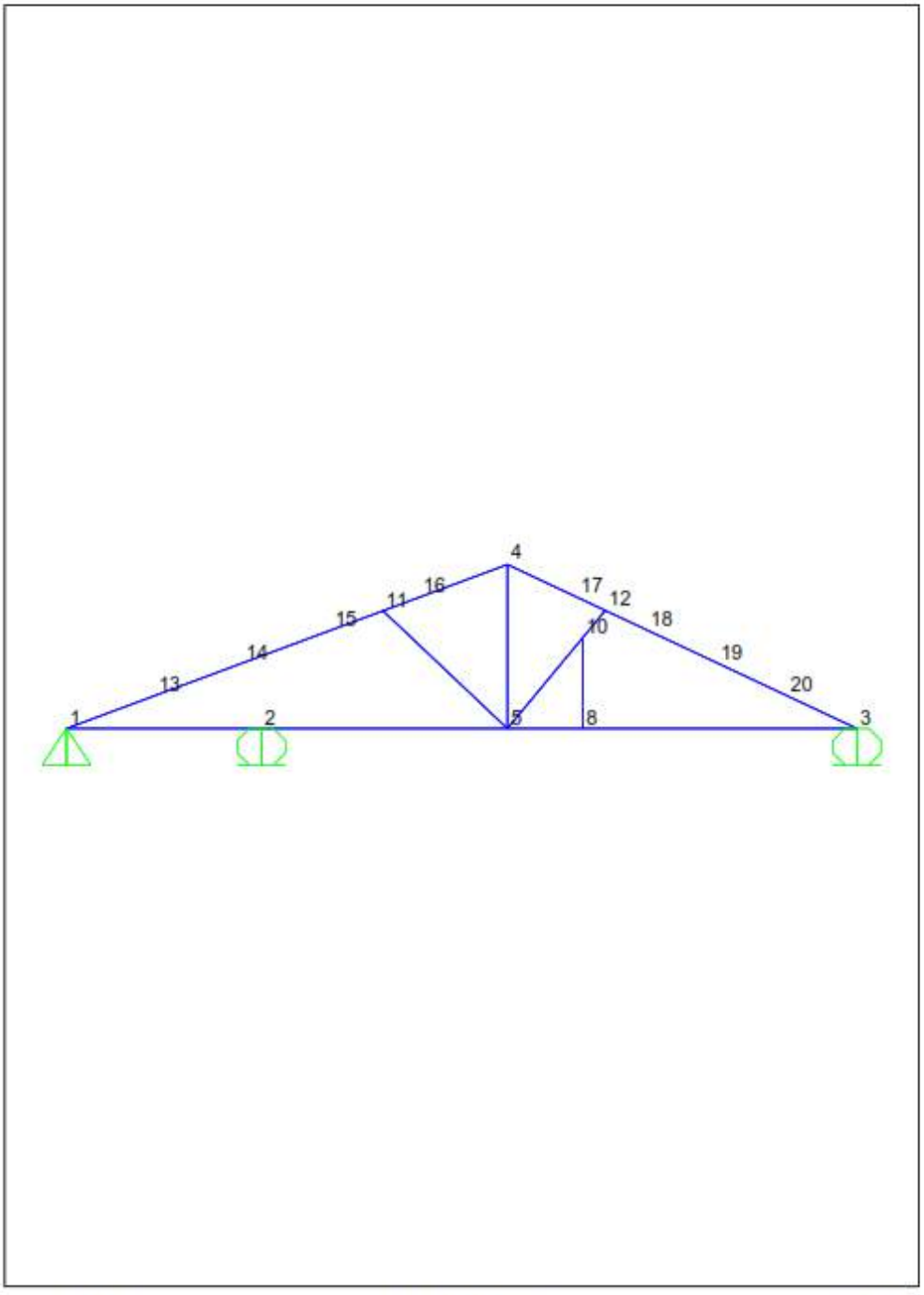
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 1.sdb



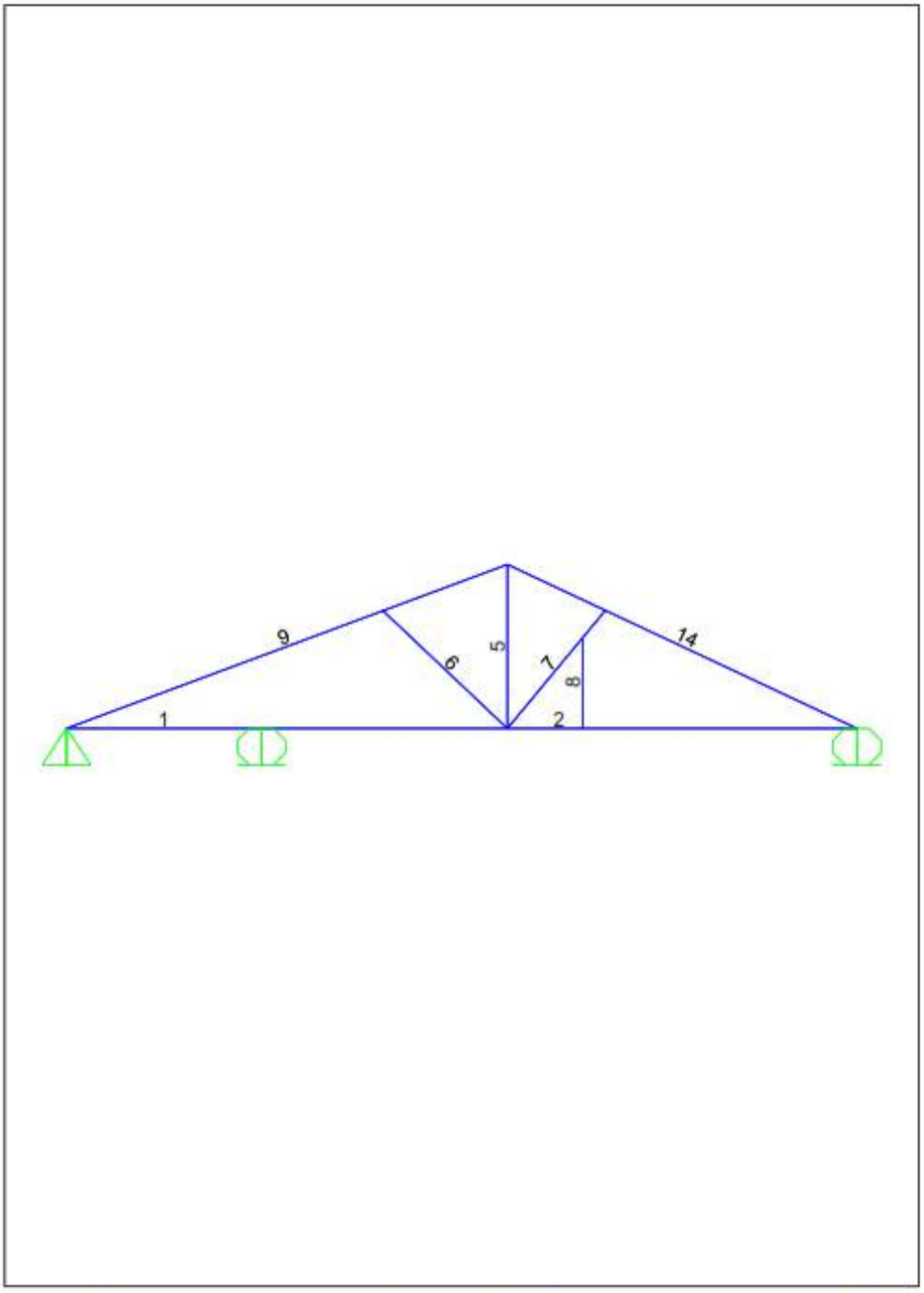
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 1.sdb



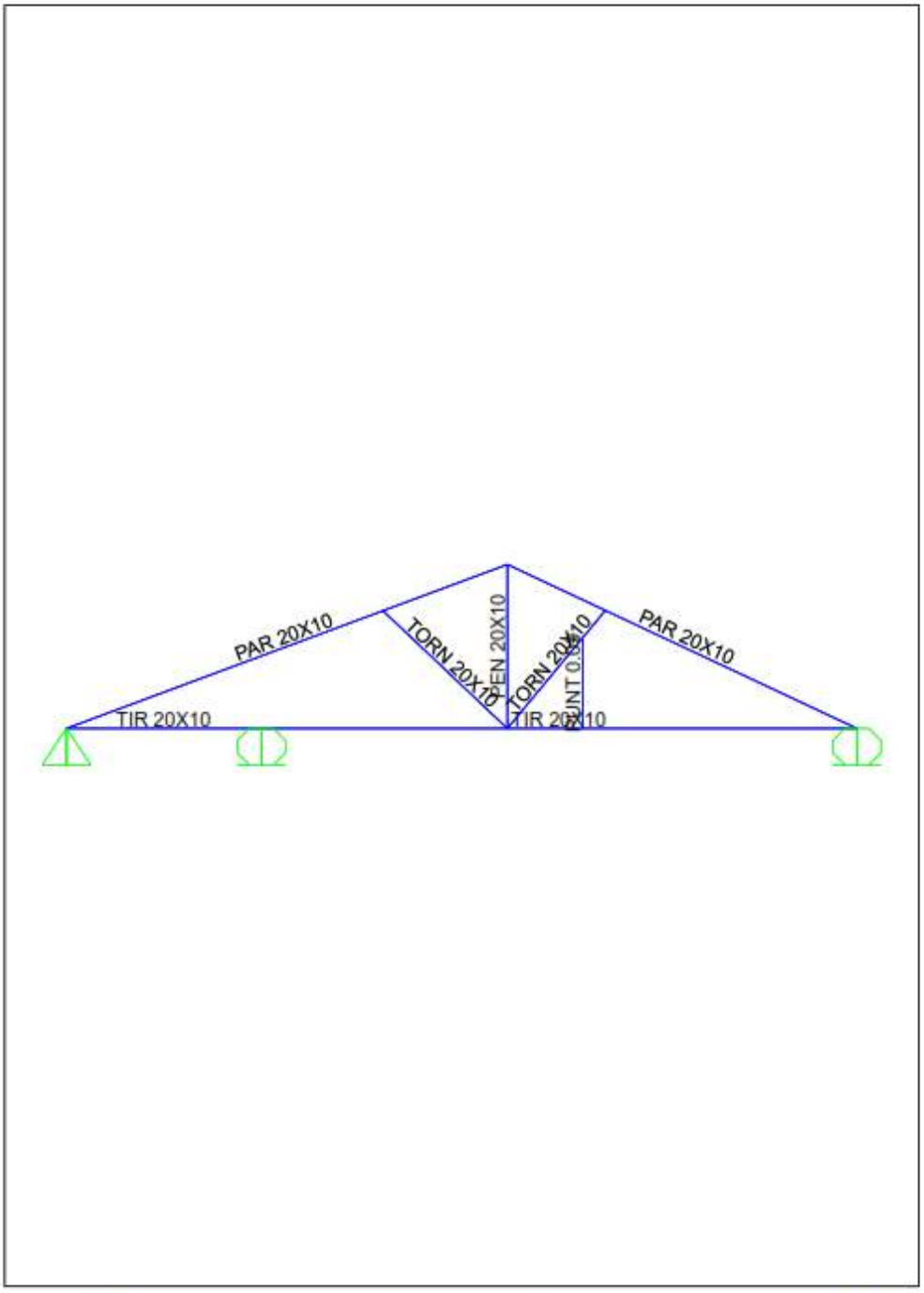
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 1.sdb



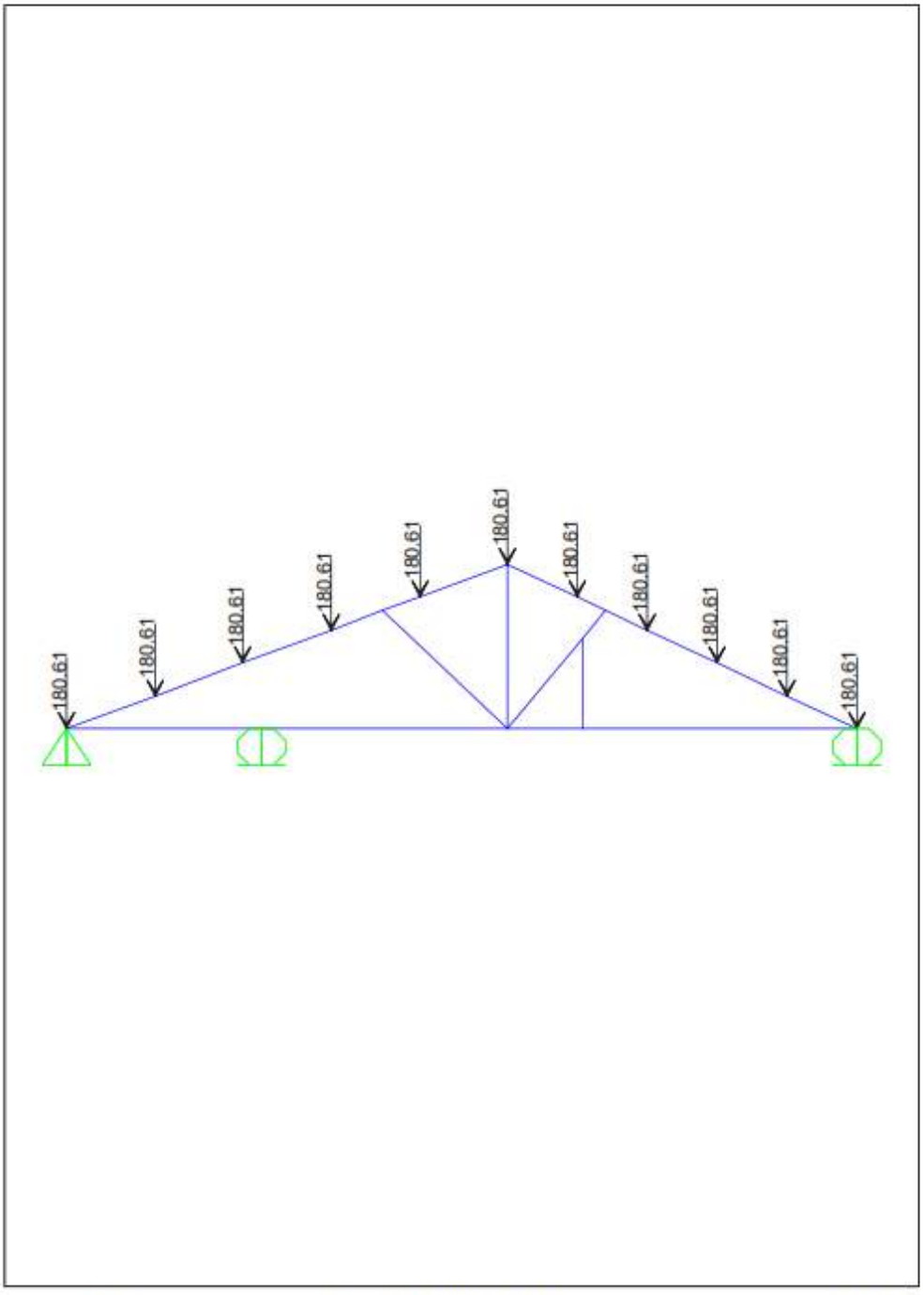
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 1.sdb



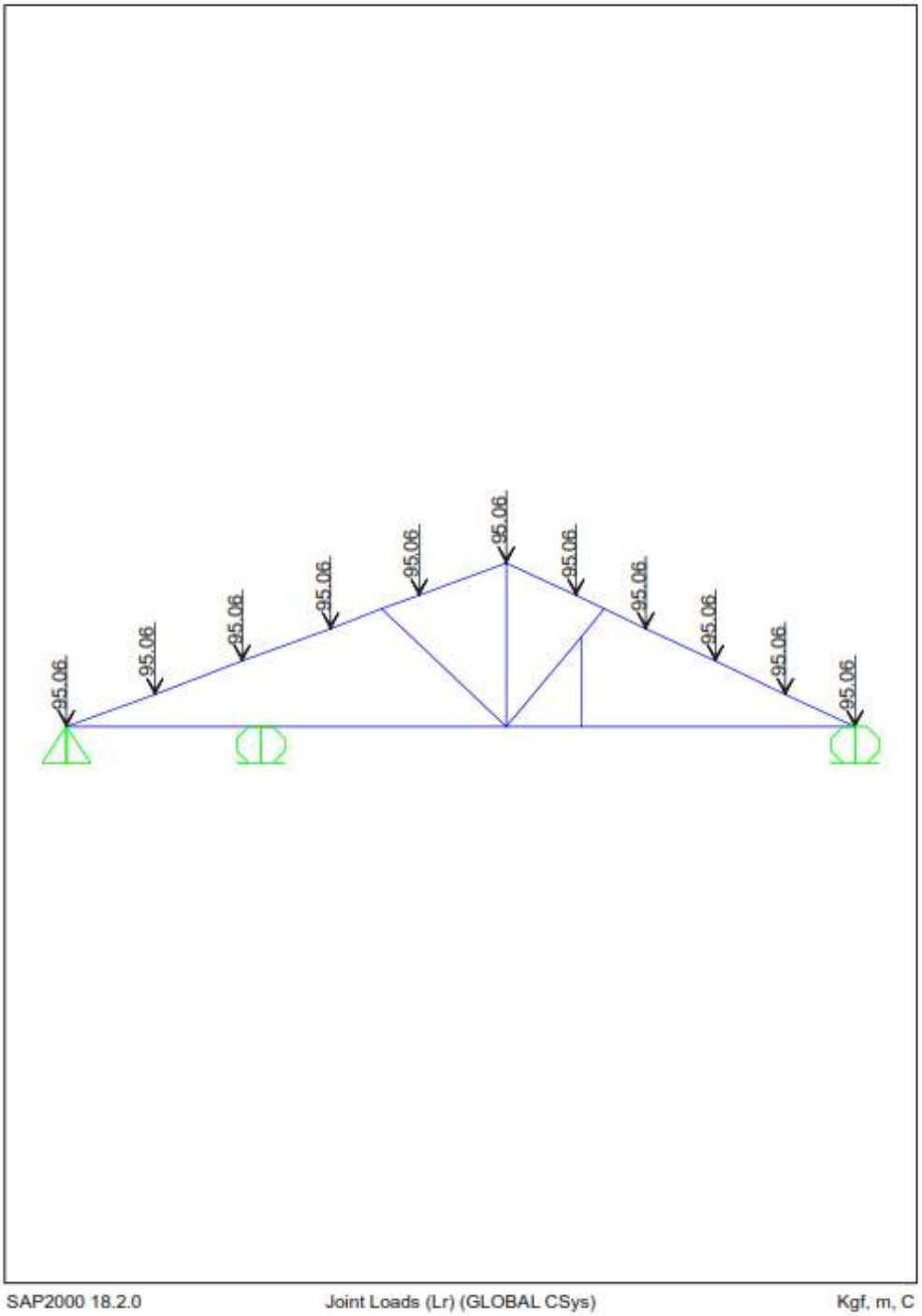
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CERCHA TIPO 1.sdb



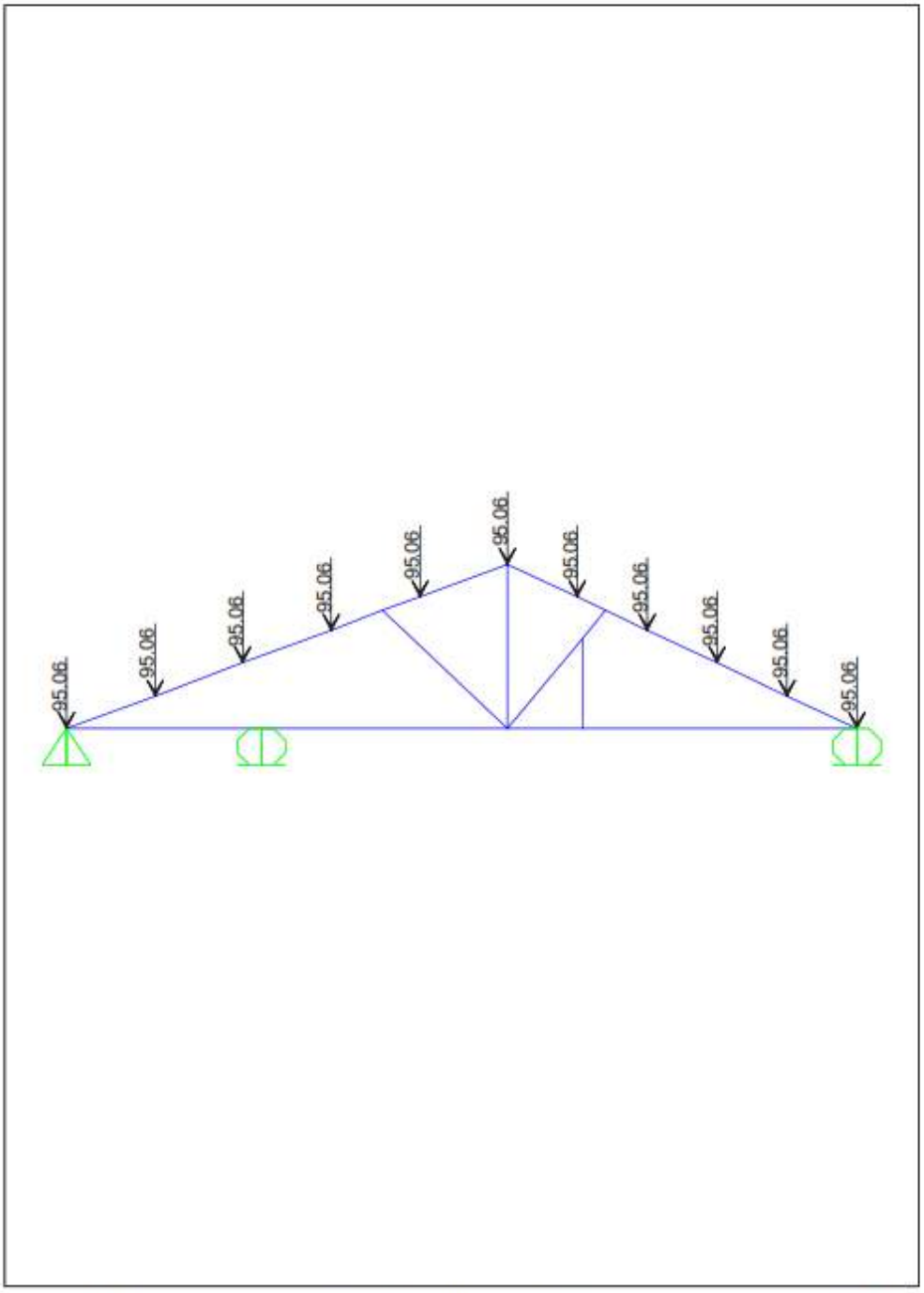
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



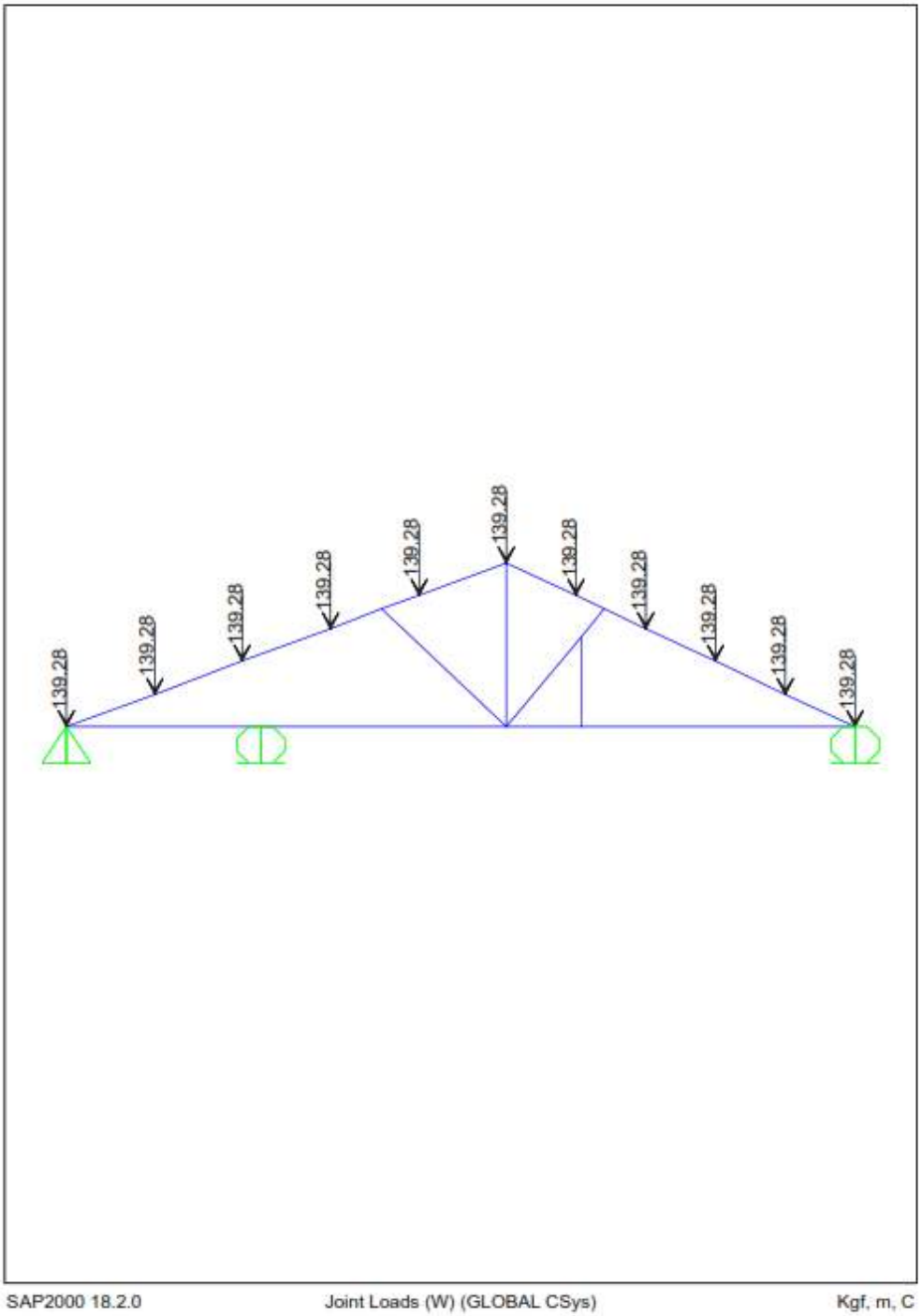
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



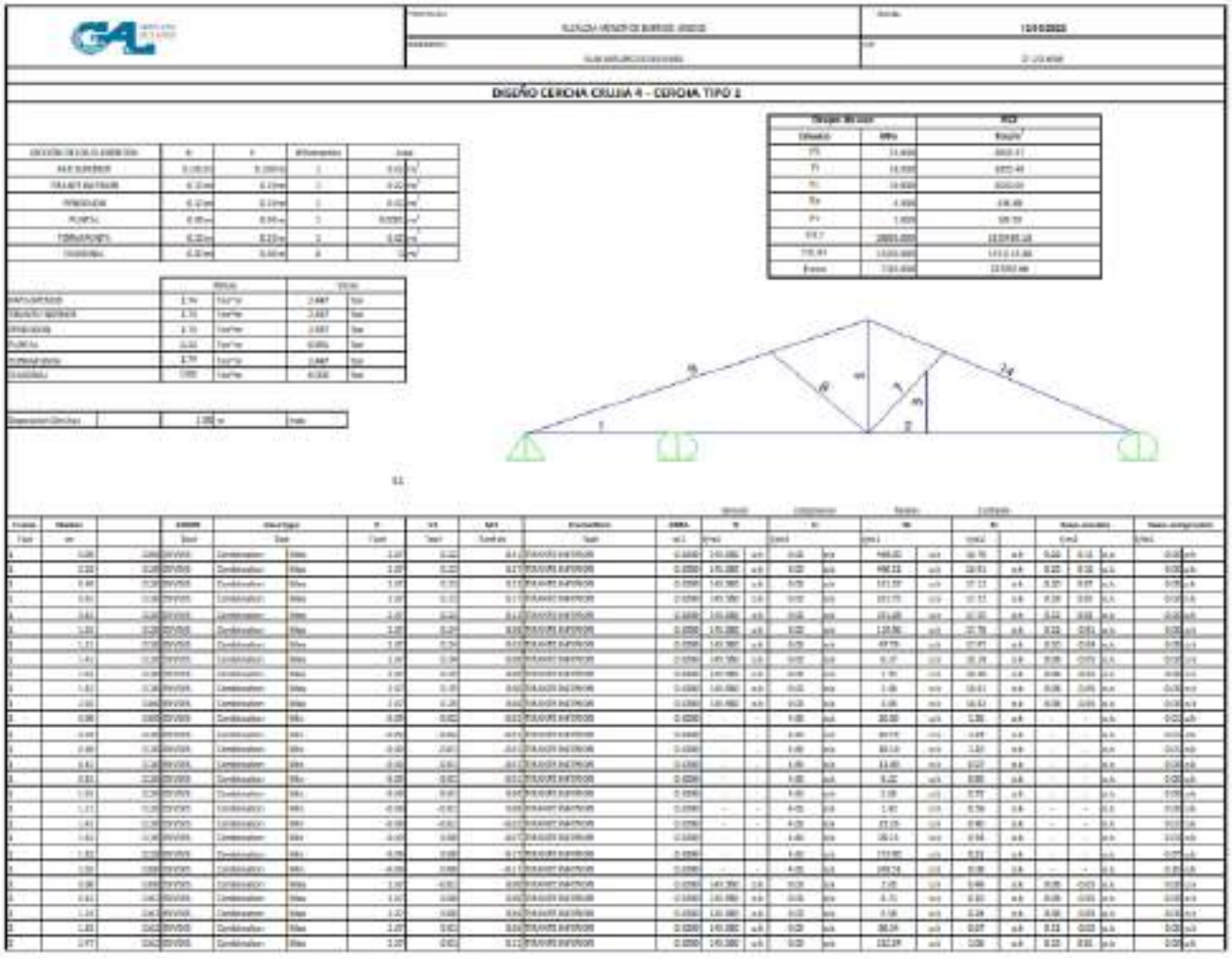
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elementos Grupo ES2



DISEÑO CERCHA CRUJIA 4 - CERCHA TIPO 1

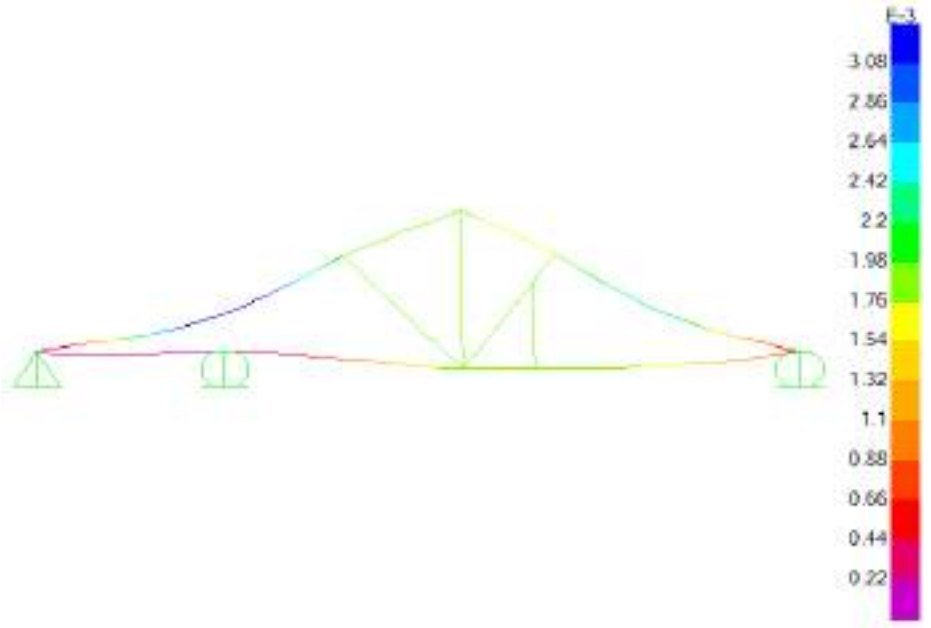
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	2.56	0.09	ENVDIS	Combination	Max	2.87	0.02	0.13	TIRANTE INFERIOR	0.0200	145.580	o.k	0.00	o.k	195.24	o.k	1.12	o.k	0.15	0.02	o.k	0.00	o.k
2	2.56	0.00	ENVDIS	Combination	Max	2.86	0.19	0.13	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	195.24	o.k	14.24	o.k	0.15	0.02	o.k	0.00	o.k
2	3.09	0.53	ENVDIS	Combination	Max	2.86	0.20	0.05	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	41.56	o.k	14.80	o.k	0.09	-0.04	o.k	0.00	o.k
2	3.34	0.25	ENVDIS	Combination	Max	2.86	0.20	0.00	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	2.61	o.k	15.06	o.k	0.08	-0.05	o.k	0.00	o.k
2	3.34	0.00	ENVDIS	Combination	Max	2.86	-0.01	0.00	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	2.61	o.k	0.58	o.k	0.08	-0.05	o.k	0.00	o.k
2	3.71	0.37	ENVDIS	Combination	Max	2.86	0.00	0.01	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	9.63	o.k	0.55	o.k	0.08	-0.05	o.k	0.00	o.k
2	4.33	0.62	ENVDIS	Combination	Max	2.86	0.00	0.05	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	75.29	o.k	0.04	o.k	0.11	-0.03	o.k	0.00	o.k
2	4.94	0.62	ENVDIS	Combination	Max	2.86	0.01	0.09	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	132.95	o.k	0.43	o.k	0.13	0.00	o.k	0.00	o.k
2	5.56	0.62	ENVDIS	Combination	Max	2.86	0.01	0.12	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	182.55	o.k	0.82	o.k	0.15	0.02	o.k	0.00	o.k
2	6.18	0.00	ENVDIS	Combination	Max	2.86	0.02	0.15	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	224.15	o.k	1.21	o.k	0.16	0.03	o.k	0.00	o.k
2	0.00	0.00	ENVDIS	Combination	Min	-0.09	-0.13	-0.17	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	249.51	o.k	10.05	o.k	-	-	o.k	0.10	o.k
2	0.62	0.62	ENVDIS	Combination	Min	-0.09	-0.13	-0.09	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	129.54	o.k	9.38	o.k	-	-	o.k	0.05	o.k
2	1.24	0.62	ENVDIS	Combination	Min	-0.09	-0.12	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	17.60	o.k	8.73	o.k	-	-	o.k	0.01	o.k
2	1.85	0.62	ENVDIS	Combination	Min	-0.09	-0.11	0.00	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	0.39	o.k	8.08	o.k	-	-	o.k	0.00	o.k
2	2.47	0.62	ENVDIS	Combination	Min	-0.09	-0.10	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	11.16	o.k	7.43	o.k	-	-	o.k	0.00	o.k
2	2.56	0.09	ENVDIS	Combination	Min	-0.09	-0.10	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	13.08	o.k	7.54	o.k	-	-	o.k	0.01	o.k
2	2.56	0.00	ENVDIS	Combination	Min	-0.08	-0.01	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	13.08	o.k	0.91	o.k	-	-	o.k	0.01	o.k
2	3.09	0.53	ENVDIS	Combination	Min	-0.08	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	5.13	o.k	0.58	o.k	-	-	o.k	0.00	o.k
2	3.34	0.25	ENVDIS	Combination	Min	-0.08	-0.01	-0.02	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	33.29	o.k	0.43	o.k	-	-	o.k	0.01	o.k
2	3.34	0.00	ENVDIS	Combination	Min	-0.08	-0.08	-0.02	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	33.29	o.k	6.02	o.k	-	-	o.k	0.01	o.k
2	3.71	0.37	ENVDIS	Combination	Min	-0.08	-0.08	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	0.83	o.k	5.64	o.k	-	-	o.k	0.00	o.k
2	4.33	0.62	ENVDIS	Combination	Min	-0.08	-0.07	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	2.78	o.k	4.99	o.k	-	-	o.k	0.00	o.k
2	4.94	0.62	ENVDIS	Combination	Min	-0.08	-0.06	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	0.09	o.k	4.34	o.k	-	-	o.k	0.00	o.k
2	5.56	0.62	ENVDIS	Combination	Min	-0.08	-0.05	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	7.76	o.k	3.69	o.k	-	-	o.k	0.00	o.k
2	6.18	0.00	ENVDIS	Combination	Min	-0.08	-0.04	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	20.25	o.k	3.04	o.k	-	-	o.k	0.01	o.k
5	0.00	0.00	ENVDIS	Combination	Max	1.59	0.00	0.00	PENDOLON	0.0200	79.525	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	0.17	0.17	ENVDIS	Combination	Max	1.59	0.00	0.00	PENDOLON	0.0200	79.645	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	0.34	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	79.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	0.51	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	79.880	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	0.68	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	80.000	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	0.86	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	80.120	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	1.03	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	80.240	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	1.20	0.17	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.360	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	1.37	0.17	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.480	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	1.54	0.17	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.600	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	1.71	0.00	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.720	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
5	0.00	0.00	ENVDIS	Combination	Min	-0.05	0.00	0.00	PENDOLON	0.0200	-	-	2.46	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.17	0.17	ENVDIS	Combination	Min	-0.05	0.00	0.00	PENDOLON	0.0200	-	-	2.39	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.34	0.17	ENVDIS	Combination	Min	-0.05	0.00	0.00	PENDOLON	0.0200	-	-	2.32	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.51	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.25	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.68	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.17	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.86	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.10	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.03	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.20	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	1.96	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.37	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	1.89	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.54	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	1.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.71	0.00	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0200	-	-	1.74	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Max	0.06	-0.01	0.00	TORNAPUNTA	0.0200	2.995	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
6	0.18	0.18	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0200	3.050	o.k	0.00	o.k	2.19	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
6	0.36	0.18	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0200	3.100	o.k	0.00	o.k	3.89	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
6	0.54	0.18	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0200	3.150	o.k	0.00	o.k	5.10	o.k	0.16	o.k	0.00	0.00	o.k	0.00	o.k
6	0.71	0.18	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0200	3.200	o.k	0.00	o.k	5.84	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
6	0.89	0.18	ENVDIS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0200	3.255	o.k	0.00	o.k	6.08	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.07	0.18	ENVDIS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0200	3.305	o.k	0.00	o.k	5.84	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
6	1.25	0.18	ENVDIS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0200	3.355	o.k	0.00	o.k	5.10	o.k	0.27	o.k	0.00	0.00	o.k	0.00	o.k
6	1.43	0.18	ENVDIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0200	3.410	o.k	0.00	o.k	3.89	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
6	1.61	0.18	ENVDIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0200	3.460	o.k	0.00	o.k	2.19	o.k	0.55	o.k	0.00	0.00	o.k	0.00	o.k
6	1.78	0.00	ENVDIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0200	3.510	o.k	0.00	o.k	0.00	o.k	0.68	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0200	-	-	57.91	o.k	0.00	-	0.68	o.k	-	-	o.k	0.00	o.k
6	0.18	0.18	ENVDIS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0200	-	-	57.82	o.k	1.31	o.k	0.55	o.k	-	-	o.k	0.00	o.k
6	0.36	0.18	ENVDIS	Combination	Min	-1.15	-0.01	0.00	TORNAPUNTA	0.0200	-	-	57.73	o.k	2.34	o.k	0.40	o.k	-	-	o.k	0.00	o.k
6	0.54	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.65	o.k	3.06	o.k	0.27	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.71	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.56	o.k	3.50	o.k	0.13	o.k	-	-	o.k	0.00	o.k
6	0.89	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.48	o.k	3.65	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	1.07	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.39	o.k	3.50	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	1.25	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.31	o.k	3.06	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.43	0.18	ENVDIS	Combination	Min	-1.14	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.22	o.k	2.34	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	1.61	0.18	ENVDIS	Combination	Min	-1.14	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.13	o.k	1.31	o.k	0.33	o.k	-	-	o.k	0.00	o.k
6	1.78	0.00	ENVDIS	Combination	Min	-1.14	0.01	0.00	TORNAPUNTA	0.0200	-	-	57.05	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Max	0.06	-0.01	0.00	TORNAPUNTA	0.0200	2.750	o.k	0.00	o.k	0.00	-	0.58	o.k	0.00	0.00	o.k	0.00	o.k
7	0.16	0.16	ENVDIS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0200	2.800	o.k	0.00	o.k	11.69	o.k	0.31	o.k	0.01	0.00	o.k	0.00	o.k
7	0.32	0.16	ENVDIS	Combination	Max	0.06	0.00	0.02	TORNAPUNTA	0.0200	2.850	o.k	0.00	o.k	23.04	o.k	0.25	o.k	0.01	0.01	o.k	0.00	o.k
7	0.48	0.16	ENVDIS	Combination	Max	0.06	0.00	0.02	TORNAPUNTA	0.0200	2.905	o.k	0.00	o.k	34.05	o.k	0.19	o.k	0.01	0.01	o.k	0.00	o.k
7	0.64	0.16	ENVDIS	Combination	Max	0.06	0.00	0.03	TORNAPUNTA	0.0200	2.955	o.k	0.00	o.k	44.72	o.k	0.12	o.k	0.02	0.02	o.k	0.00	o.k
7	0.80	0.16	ENVDIS	Combination	Max	0.06	0.00	0.04	TORNAPUNTA	0.0200	3.005	o.k	0.00	o.k	55.05	o.k	0.06	o.k	0.02	0.02	o.k	0.00	o.k
7	0.96	0.16	ENVDIS	Combination	Max	0.06	0.00	0.04	TORNAPUNTA	0.0200	3.060	o.k	0.00	o.k	65.04	o.k	0.00	o.k	0.03	0.02	o.k	0.00	o.k
7	1.12	0.16	ENVDIS	Combination	Max	0.06	0.00	0.05	TORNAPUNTA	0.0200	3.110	o.k	0.00	o.k	74.69	o.k	0.07	o.k	0.03	0.03	o.k	0.00	o.k
7	1.22	0.11	ENVDIS	Combination	Max	0.06	0.00	0.05	TORNAPUNTA	0.0200	3.145	o.k	0.00	o.k	81.00	o.k	0.11	o.k	0.03	0.03	o.k	0.00	o.k
7	1.22	0.00	ENVDIS	Combination	Max	0.07	0.14	0.05	TORNAPUNTA	0.0200	3.350	o.k	0.00	o.k	81.00	o.k	10.78	o.k	0.03	0.03	o.k	0.00	o.k
7	1.28	0.05	ENVDIS	Combination	Max	0.07	0.14	0.05	TORNAPUNTA	0.0200	3.385	o.k	0.00	o.k	69.75	o.k	10.82	o.k	0.03	0.03	o.k	0.00	o.k
7	1.44	0.16	ENVDIS	Combination	Max	0.07	0.15	0.02	TORNAPUNTA	0.0200	3.420	o.k	0.00	o.k	35.04	o.k	10.93	o.k	0.02	0.01	o.k	0.00	o.k
7	1.60	0.00	ENVDIS	Combination	Max	0.07	0.15	0.00	TORNAPUNTA	0.0200	3.470	o.k	0.00	o.k	0.00	o.k	11.04	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Min	-1.36	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.76	o.k	0.00	-	3.72	o.k	-	-	o.k	0.00	o.k
7	0.16	0.16	ENVDIS	Combination	Min	-1.35	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.67	o.k	1.11	o.k	3.61	o.k	-	-	o.k	0.00	o.k
7	0.32	0.16	ENVDIS	Combination	Min	-1.35	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.58	o.k	2.01	o.k	3.50	o.k	-	-	o.k	0.00	o.k
7	0.48	0.16	ENVDIS	Combination	Min	-1.35	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.50	o.k	2.72	o.k	3.40	o.k	-	-	o.k	0.00	o.k
7	0.64	0.16	ENVDIS	Combination	Min	-1.35	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.41	o.k	3.21	o.k	3.29	o.k	-	-	o.k	0.00	o.k
7	0.80	0.16	ENVDIS	Combination	Min	-1.35	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.32	o.k	3.50	o.k	3.18	o.k	-	-	o.k	0.00	o.k
7	0.96	0.16	ENVDIS	Combination	Min	-1.34	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.24	o.k	3.59	o.k	3.07	o.k	-	-	o.k	0.00	o.k
7	1.12	0.16	ENVDIS	Combination	Min	-1.34	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.15	o.k	3.47	o.k	2.97	o.k	-	-	o.k	0.00	o.k
7	1.22	0.11	ENVDIS	Combination	Min	-1.34	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.09	o.k	3.27	o.k	2.89	o.k	-	-	o.k	0.00	o.k
7	1.22	0.00	ENVDIS	Combination	Min	-1.12	0.00	0.00	TORNAPUNTA	0.0200	-	-	56.05	o.k	3.27	o.k	0.37	o.k	-	-	o.k	0.00	o.k
7	1.28	0.05	ENVDIS	Combination	Min	-1.12	0.01	0.00	TORNAPUNTA	0.0200	-	-	56.03	o.k	2.88	o.k	0.39	o.k	-	-	o.k	0.00	o.k
7	1.44	0.16	ENVDIS	Combination	Min	-1.12	0.01	0.00	TORNAPUNTA	0.0200	-	-	55.94	o.k	1.55	o.k	0.45	o.k	-	-	o.k	0.00	o.k
7	1.60	0.00	ENVDIS	Combination	Min	-1.12	0.01	0.00	TORNAPUNTA	0.0200	-	-	55.85	o.k	0.00	o.k	0.52	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.704	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.09	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.19	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.840	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.28	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.901	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.38	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.963	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.47	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	35.037	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.57	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	35.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.66	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	35.160	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.76	0.09	ENVDIS	Combination	Max	0.29	0.00	0.00	PUNTAL	0.0081	35.235	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.85	0.09	ENVDIS	Combination	Max	0.29	0.00	0.00	PUNTAL	0.0081	35.296	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.94	0.00	ENVDIS	Combination	Max	0.29	0.00	0.00	PUNTAL	0.0081	35.358	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.259	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.09	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.296	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.19	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.346	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.28	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.385	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.38	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.47	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.457	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.57	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.494	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.66	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.545	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.76	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.580	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.85	0.09	ENVDIS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	0.617	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.94	0.00	ENVDIS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	0.654	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Max	0.11	0.02	0.02	PAR SUPERIOR	0.0200	5.380	o.k	0.00	o.k	26.03	o.k	1.84	o.k	0.01	0.01	o.k	0.00	o.k
9	0.49	0.49	ENVDIS	Combination	Max	0.11	0.03	0.00	PAR SUPERIOR	0.0200	5.435	o.k	0.00	o.k	6.66	o.k	2.12	o.k	0.01	0.00	o.k	0.00	o.k
9	0.98	0.49	ENVDIS	Combination	Max	0.11	0.03	0.15	PAR SUPERIOR	0.0200	5.505	o.k	0.00	o.k	229.41	o.k	2.41	o.k	0.09	0.09	o.k	0.00	o.k
9	0.98	0.00	ENVDIS	Combination	Max	0.10	0.00	0.15	PAR SUPERIOR	0.0200	4.985	o.k	0.00	o.k	229.41	o.k	0.24	o.k	0.09	0.09	o.k	0.00	o.k
9	1.47	0.49	ENVDIS	Combination	Max	0.10	0.01	0.22	PAR SUPERIOR	0.0200	5.035	o.k	0.00	o.k	326.24	o.k	0.53	o.k	0.13	0.12	o.k	0.00	o.k
9	1.96	0.49	ENVDIS	Combination	Max	0.10	0.01	0.28	PAR SUPERIOR	0.0200	5.110	o.k	0.00	o.k	418.37	o.k	0.82	o.k	0.16	0.16	o.k	0.00	o.k
9	1.96	0.00	ENVDIS	Combination	Max	0.09	0.21	0.28	PAR SUPERIOR	0.0200	4.570	o.k	0.00	o.k	418.37	o.k	15.85	o.k	0.16	0.16	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
9	2.44	0.49	ENVDIS	Combination	Max	0.09	0.22	0.17	PAR SUPERIOR	0.0200	4.640	o.k	0.00	o.k	260.97	o.k	16.55	o.k	0.10	0.10	o.k	0.00	o.k
9	2.93	0.49	ENVDIS	Combination	Max	0.09	0.22	0.07	PAR SUPERIOR	0.0200	4.710	o.k	0.00	o.k	98.87	o.k	16.82	o.k	0.04	0.04	o.k	0.00	o.k
9	2.93	0.00	ENVDIS	Combination	Max	0.08	0.56	0.07	PAR SUPERIOR	0.0200	4.170	o.k	0.00	o.k	98.87	o.k	41.86	o.k	0.04	0.04	o.k	0.00	o.k
9	3.42	0.49	ENVDIS	Combination	Max	0.08	0.56	0.01	PAR SUPERIOR	0.0200	4.245	o.k	0.00	o.k	22.40	o.k	42.34	o.k	0.01	0.01	o.k	0.00	o.k
9	3.50	0.08	ENVDIS	Combination	Max	0.09	0.57	0.02	PAR SUPERIOR	0.0200	4.255	o.k	0.00	o.k	28.75	o.k	42.42	o.k	0.01	0.01	o.k	0.00	o.k
9	3.50	0.00	ENVDIS	Combination	Max	0.06	0.03	0.02	PAR SUPERIOR	0.0200	2.955	o.k	0.00	o.k	28.75	o.k	2.29	o.k	0.01	0.01	o.k	0.00	o.k
9	3.91	0.41	ENVDIS	Combination	Max	0.06	0.03	0.00	PAR SUPERIOR	0.0200	3.010	o.k	0.00	o.k	7.10	o.k	2.53	o.k	0.00	0.00	o.k	0.00	o.k
9	3.91	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PAR SUPERIOR	0.0200	2.470	o.k	0.00	o.k	7.10	o.k	0.57	o.k	0.00	0.00	o.k	0.00	o.k
9	4.40	0.49	ENVDIS	Combination	Max	0.05	0.01	0.00	PAR SUPERIOR	0.0200	2.545	o.k	0.00	o.k	2.15	o.k	0.65	o.k	0.00	0.00	o.k	0.00	o.k
9	4.89	0.00	ENVDIS	Combination	Max	0.05	0.01	0.04	PAR SUPERIOR	0.0200	2.615	o.k	0.00	o.k	52.85	o.k	0.94	o.k	0.02	0.02	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Min	-3.34	-0.48	-0.31	PAR SUPERIOR	0.0200	-	-	162.05	o.k	468.00	o.k	36.14	o.k	-	-	o.k	0.19	o.k
9	0.49	0.49	ENVDIS	Combination	Min	-3.24	-0.48	-0.08	PAR SUPERIOR	0.0200	-	-	161.93	o.k	116.96	o.k	35.66	o.k	-	-	o.k	0.05	o.k
9	0.98	0.49	ENVDIS	Combination	Min	-3.24	-0.47	-0.01	PAR SUPERIOR	0.0200	-	-	161.81	o.k	15.53	o.k	35.18	o.k	-	-	o.k	0.01	o.k
9	0.98	0.00	ENVDIS	Combination	Min	-3.11	-0.14	-0.01	PAR SUPERIOR	0.0200	-	-	155.58	o.k	15.53	o.k	10.14	o.k	-	-	o.k	0.01	o.k
9	1.47	0.49	ENVDIS	Combination	Min	-3.11	-0.13	-0.01	PAR SUPERIOR	0.0200	-	-	155.46	o.k	19.29	o.k	9.66	o.k	-	-	o.k	0.01	o.k
9	1.96	0.49	ENVDIS	Combination	Min	-3.11	-0.12	-0.02	PAR SUPERIOR	0.0200	-	-	155.34	o.k	25.88	o.k	9.18	o.k	-	-	o.k	0.02	o.k
9	1.96	0.00	ENVDIS	Combination	Min	-2.98	-0.02	-0.02	PAR SUPERIOR	0.0200	-	-	149.10	o.k	25.88	o.k	1.36	o.k	-	-	o.k	0.02	o.k
9	2.44	0.49	ENVDIS	Combination	Min	-2.98	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	148.99	o.k	14.04	o.k	1.06	o.k	-	-	o.k	0.01	o.k
9	2.93	0.49	ENVDIS	Combination	Min	-2.98	-0.01	0.00	PAR SUPERIOR	0.0200	-	-	148.87	o.k	5.04	o.k	0.78	o.k	-	-	o.k	0.01	o.k
9	2.93	0.00	ENVDIS	Combination	Min	-2.85	-0.04	0.00	PAR SUPERIOR	0.0200	-	-	142.63	o.k	5.04	o.k	2.95	o.k	-	-	o.k	0.01	o.k
9	3.42	0.49	ENVDIS	Combination	Min	-2.85	-0.04	-0.21	PAR SUPERIOR	0.0200	-	-	142.51	o.k	312.75	o.k	2.66	o.k	-	-	o.k	0.13	o.k
9	3.50	0.08	ENVDIS	Combination	Min	-2.85	-0.03	-0.26	PAR SUPERIOR	0.0200	-	-	142.49	o.k	382.64	o.k	2.61	o.k	-	-	o.k	0.15	o.k
9	3.50	0.00	ENVDIS	Combination	Min	-2.34	-0.45	-0.26	PAR SUPERIOR	0.0200	-	-	116.96	o.k	382.64	o.k	34.09	o.k	-	-	o.k	0.15	o.k
9	3.91	0.41	ENVDIS	Combination	Min	-2.34	-0.45	-0.07	PAR SUPERIOR	0.0200	-	-	116.86	o.k	107.09	o.k	33.70	o.k	-	-	o.k	0.04	o.k
9	3.91	0.00	ENVDIS	Combination	Min	-2.21	-0.12	-0.07	PAR SUPERIOR	0.0200	-	-	110.62	o.k	107.09	o.k	8.66	o.k	-	-	o.k	0.04	o.k
9	4.40	0.49	ENVDIS	Combination	Min	-2.21	-0.11	-0.02	PAR SUPERIOR	0.0200	-	-	110.50	o.k	24.77	o.k	8.18	o.k	-	-	o.k	0.01	o.k
9	4.89	0.00	ENVDIS	Combination	Min	-2.21	-0.10	0.00	PAR SUPERIOR	0.0200	-	-	110.38	o.k	5.66	o.k	7.69	o.k	-	-	o.k	0.01	o.k
14	0.00	0.00	ENVDIS	Combination	Max	0.06	0.13	0.04	PAR SUPERIOR	0.0200	2.780	o.k	0.00	o.k	52.85	o.k	9.66	o.k	0.02	0.02	o.k	0.00	o.k
14	0.40	0.40	ENVDIS	Combination	Max	0.05	0.13	0.00	PAR SUPERIOR	0.0200	2.705	o.k	0.00	o.k	1.37	o.k	10.05	o.k	0.00	0.00	o.k	0.00	o.k
14	0.80	0.40	ENVDIS	Combination	Max	0.05	0.14	0.00	PAR SUPERIOR	0.0200	2.635	o.k	0.00	o.k	6.56	o.k	10.42	o.k	0.00	0.00	o.k	0.00	o.k
14	0.80	0.00	ENVDIS	Combination	Max	0.07	0.46	0.00	PAR SUPERIOR	0.0200	3.295	o.k	0.00	o.k	6.56	o.k	34.58	o.k	0.00	0.00	o.k	0.00	o.k
14	1.12	0.32	ENVDIS	Combination	Max	0.06	0.47	0.02	PAR SUPERIOR	0.0200	3.235	o.k	0.00	o.k	22.98	o.k	34.80	o.k	0.01	0.01	o.k	0.00	o.k
14	1.12	0.00	ENVDIS	Combination	Max	0.08	0.04	0.02	PAR SUPERIOR	0.0200	3.780	o.k	0.00	o.k	22.98	o.k	2.72	o.k	0.01	0.01	o.k	0.00	o.k
14	1.20	0.08	ENVDIS	Combination	Max	0.07	0.04	0.01	PAR SUPERIOR	0.0200	3.745	o.k	0.00	o.k	18.75	o.k	2.77	o.k	0.01	0.01	o.k	0.00	o.k
14	1.60	0.40	ENVDIS	Combination	Max	0.07	0.04	0.05	PAR SUPERIOR	0.0200	3.675	o.k	0.00	o.k	81.20	o.k	3.00	o.k	0.03	0.03	o.k	0.00	o.k
14	1.60	0.00	ENVDIS	Combination	Max	0.09	0.01	0.05	PAR SUPERIOR	0.0200	4.335	o.k	0.00	o.k	81.20	o.k	0.90	o.k	0.03	0.03	o.k	0.00	o.k
14	2.00	0.40	ENVDIS	Combination	Max	0.09	0.02	0.15	PAR SUPERIOR	0.0200	4.265	o.k	0.00	o.k	231.42	o.k	1.12	o.k	0.09	0.09	o.k	0.00	o.k
14	2.40	0.40	ENVDIS	Combination	Max	0.08	0.02	0.25	PAR SUPERIOR	0.0200	4.190	o.k	0.00	o.k	376.60	o.k	1.56	o.k	0.15	0.14	o.k	0.00	o.k
14	2.40	0.00	ENVDIS	Combination	Max	0.10	0.08	0.25	PAR SUPERIOR	0.0200	4.850	o.k	0.00	o.k	376.60	o.k	5.98	o.k	0.15	0.14	o.k	0.00	o.k
14	2.80	0.40	ENVDIS	Combination	Max	0.10	0.08	0.22	PAR SUPERIOR	0.0200	4.780	o.k	0.00	o.k	329.24	o.k	6.55	o.k	0.13	0.12	o.k	0.00	o.k
14	3.20	0.40	ENVDIS	Combination	Max	0.09	0.09	0.18	PAR SUPERIOR	0.0200	4.710	o.k	0.00	o.k	276.83	o.k	6.73	o.k	0.11	0.10	o.k	0.00	o.k
14	3.20	0.00	ENVDIS	Combination	Max	0.11	0.41	0.18	PAR SUPERIOR	0.0200	5.370	o.k	0.00	o.k	276.83	o.k	30.90	o.k	0.11	0.10	o.k	0.00	o.k
14	3.60	0.40	ENVDIS	Combination	Max	0.11	0.42	0.02	PAR SUPERIOR	0.0200	5.295	o.k	0.00	o.k	27.66	o.k	31.28	o.k	0.01	0.01	o.k	0.00	o.k
14	4.00	0.00	ENVDIS	Combination	Max	0.10	0.42	0.01	PAR SUPERIOR	0.0200	5.225	o.k	0.00	o.k	20.25	o.k	31.66	o.k	0.01	0.01	o.k	0.00	o.k
14	0.00	0.00	ENVDIS	Combination	Min	-2.31	-0.01	0.00	PAR SUPERIOR	0.0200	-	-	115.43	o.k	5.66	o.k	0.99	o.k	-	-	o.k	0.01	o.k
14	0.40	0.40	ENVDIS	Combination	Min	-2.31	-0.01	-0.02	PAR SUPERIOR	0.0200	-	-	115.55	o.k	26.00	o.k	0.76	o.k	-	-	o.k	0.01	o.k
14	0.80	0.40	ENVDIS	Combination	Min	-2.31	-0.01	-0.07	PAR SUPERIOR	0.0200	-	-	115.66	o.k	107.90	o.k	0.53	o.k	-	-	o.k	0.04	o.k
14	0.80	0.00	ENVDIS	Combination	Min	-2.47	-0.04	-0.07	PAR SUPERIOR	0.0200	-	-	123.28	o.k	107.90	o.k	2.63	o.k	-	-	o.k	0.05	o.k
14	1.12	0.32	ENVDIS	Combination	Min	-2.47	-0.03	-0.22	PAR SUPERIOR	0.0200	-	-	123.37	o.k	332.60	o.k	2.44	o.k	-	-	o.k	0.13	o.k
14	1.12	0.00	ENVDIS	Combination	Min	-2.89	-0.58	-0.22	PAR SUPERIOR	0.0200	-	-	144.29	o.k	332.60	o.k	45.57	o.k	-	-	o.k	0.13	o.k
14	1.20	0.08	ENVDIS	Combination	Min	-2.89	-0.58	-0.18	PAR SUPERIOR	0.0200	-	-	144.31	o.k	265.59	o.k	45.50	o.k	-	-	o.k	0.11	o.k
14	1.60	0.40	ENVDIS	Combination	Min	-2.89	-0.57	0.00	PAR SUPERIOR	0.0200	-	-	144.43	o.k	4.34	o.k	45.12	o.k	-	-	o.k	0.01	o.k
14	1.60	0.00	ENVDIS	Combination	Min	-3.04	-0.25	0.00	PAR SUPERIOR	0.0200	-	-	152.04	o.k	4.34	o.k	18.95	o.k	-	-	o.k	0.01	o.k
14	2.00	0.40	ENVDIS	Combination	Min	-3.04	-0.25	-0.01	PAR SUPERIOR	0.0200	-	-	152.16	o.k	12.47	o.k	18.57	o.k	-	-	o.k	0.01	o.k
14	2.40	0.40	ENVDIS	Combination	Min	-3.05	-0.24	-0.01	PAR SUPERIOR	0.0200	-	-	152.28	o.k	22.41	o.k	18.19	o.k	-	-	o.k	0.01	o.k
14	2.40	0.00	ENVDIS	Combination	Min	-3.20	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	158.89	o.k	22.41	o.k	0.74	o.k	-	-	o.k	0.01	o.k
14	2.80	0.40	ENVDIS	Combination	Min	-3.20	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	160.01	o.k	17.40	o.k	0.51	o.k	-	-	o.k	0.01	o.k
14	3.20	0.40	ENVDIS	Combination	Min	-3.20	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	160.13	o.k	14.22	o.k	0.28	o.k	-	-	o.k	0.01	o.k
14	3.20	0.00	ENVDIS	Combination	Min	-3.35	-0.03	-0.01	PAR SUPERIOR	0.0200	-	-	167.74	o.k	14.22	o.k	2.58	o.k	-	-	o.k	0.01	o.k
14	3.60	0.40	ENVDIS	Combination	Min	-3.36	-0.03	0.00	PAR SUPERIOR	0.0200	-	-	167.86	o.k	3.93	o.k	2.15	o.k	-	-	o.k	0.01	o.k
14	4.00	0.00	ENVDIS	Combination	Min	-3.36	-0.03	-0.15	PAR SUPERIOR	0.0200	-	-	167.98	o.k	224.15	o.k	1.93	o.k	-	-	o.k	0.16	o.k

CUBIERTA MADERA - CRUJIA 4 - CERCHA TIPO 1

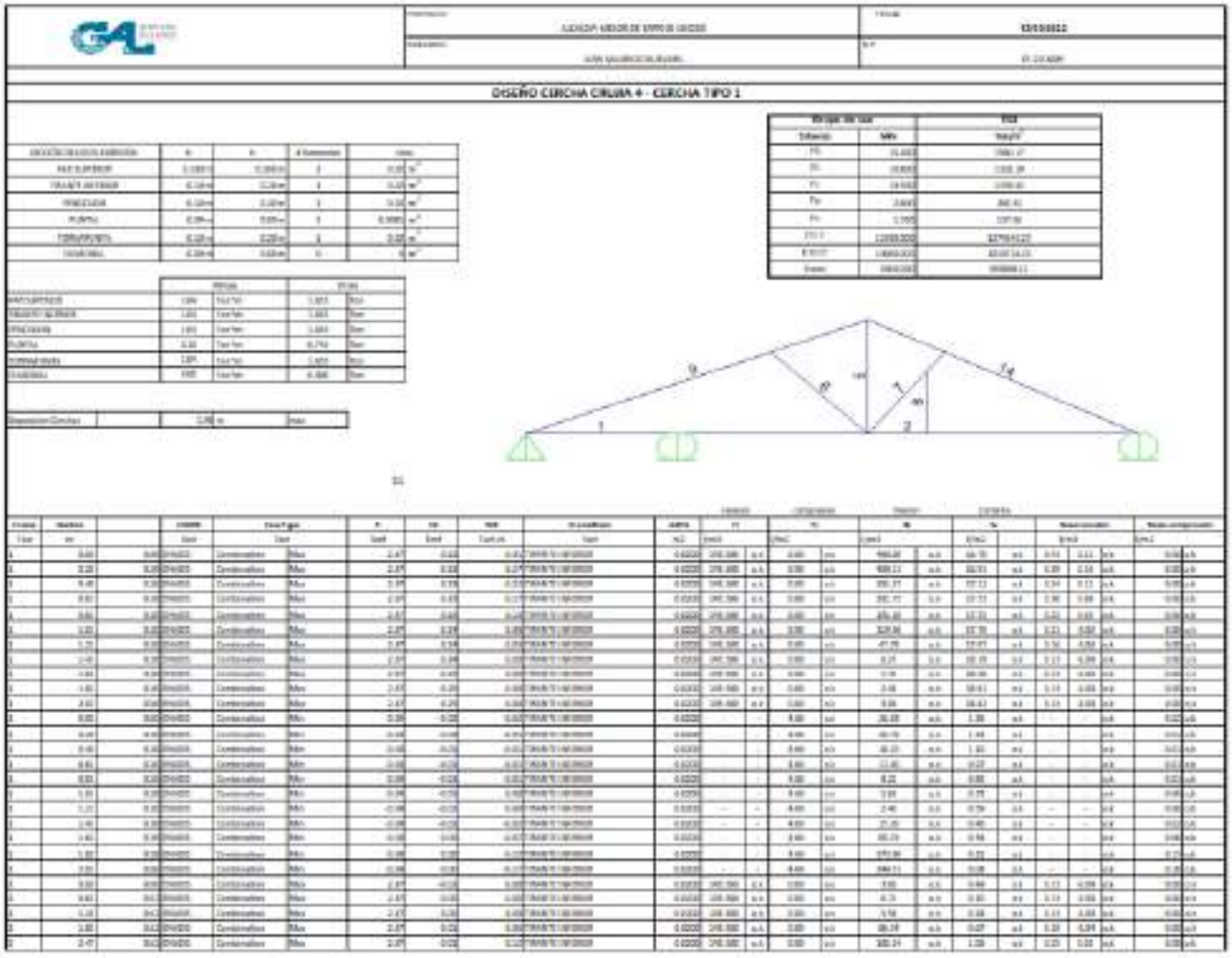
EVALUACION DE DEFORMACIONES



Luz Libre 6.18 m
Deformacion Admisible
2.06 cm CUMPLE
Deforamcion cercha
0.19 cm



Análisis Elementos Grupo ES4



DISEÑO CERCHA CIRUBA 4 - CERCHA TIPO 1

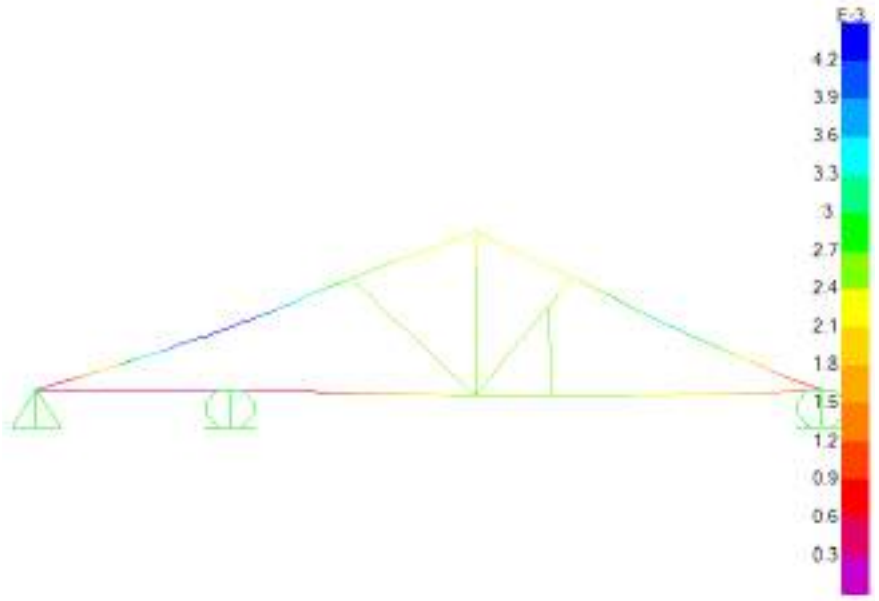
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	2.56	0.09	ENVDIS	Combination	Max	2.87	0.02	0.13	TIRANTE INFERIOR	0.0200	143.380	o.k	0.00	o.k	195.24	o.k	1.12	o.k	0.26	0.03	o.k	0.00	o.k
2	2.56	0.00	ENVDIS	Combination	Max	2.86	0.19	0.13	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	195.24	o.k	14.24	o.k	0.25	0.03	o.k	0.00	o.k
2	3.09	0.53	ENVDIS	Combination	Max	2.86	0.20	0.03	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	41.56	o.k	14.80	o.k	0.16	-0.07	o.k	0.00	o.k
2	3.34	0.25	ENVDIS	Combination	Max	2.86	0.20	0.00	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	2.61	o.k	15.06	o.k	0.15	-0.09	o.k	0.00	o.k
2	3.34	0.00	ENVDIS	Combination	Max	2.86	-0.01	0.00	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	2.61	o.k	0.58	o.k	0.15	-0.09	o.k	0.00	o.k
2	3.71	0.37	ENVDIS	Combination	Max	2.86	0.00	0.01	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	9.63	o.k	0.35	o.k	0.14	-0.09	o.k	0.00	o.k
2	4.33	0.62	ENVDIS	Combination	Max	2.86	0.00	0.05	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	75.29	o.k	0.04	o.k	0.18	-0.04	o.k	0.00	o.k
2	4.94	0.62	ENVDIS	Combination	Max	2.86	0.01	0.09	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	132.93	o.k	0.43	o.k	0.21	-0.01	o.k	0.00	o.k
2	5.56	0.62	ENVDIS	Combination	Max	2.86	0.01	0.12	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	182.55	o.k	0.82	o.k	0.25	0.03	o.k	0.00	o.k
2	6.18	0.00	ENVDIS	Combination	Max	2.86	0.02	0.15	TIRANTE INFERIOR	0.0200	142.865	o.k	0.00	o.k	224.15	o.k	1.21	o.k	0.27	0.05	o.k	0.00	o.k
2	0.00	0.00	ENVDIS	Combination	Min	-0.09	-0.13	-0.17	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	249.51	o.k	10.05	o.k	-	-	o.k	0.16	o.k
2	0.62	0.62	ENVDIS	Combination	Min	-0.09	-0.13	-0.09	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	129.54	o.k	9.38	o.k	-	-	o.k	0.08	o.k
2	1.24	0.62	ENVDIS	Combination	Min	-0.09	-0.12	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	17.60	o.k	8.73	o.k	-	-	o.k	0.01	o.k
2	1.85	0.62	ENVDIS	Combination	Min	-0.09	-0.11	0.00	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	0.39	o.k	8.08	o.k	-	-	o.k	0.00	o.k
2	2.47	0.62	ENVDIS	Combination	Min	-0.09	-0.10	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	11.16	o.k	7.43	o.k	-	-	o.k	0.01	o.k
2	2.56	0.09	ENVDIS	Combination	Min	-0.09	-0.10	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.60	o.k	13.08	o.k	7.54	o.k	-	-	o.k	0.01	o.k
2	2.56	0.00	ENVDIS	Combination	Min	-0.08	-0.01	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	13.08	o.k	0.91	o.k	-	-	o.k	0.01	o.k
2	3.09	0.53	ENVDIS	Combination	Min	-0.08	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	5.13	o.k	0.58	o.k	-	-	o.k	0.00	o.k
2	3.34	0.25	ENVDIS	Combination	Min	-0.08	-0.01	-0.02	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	33.29	o.k	0.43	o.k	-	-	o.k	0.02	o.k
2	3.34	0.00	ENVDIS	Combination	Min	-0.08	-0.08	-0.02	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	33.29	o.k	6.02	o.k	-	-	o.k	0.02	o.k
2	3.71	0.37	ENVDIS	Combination	Min	-0.08	-0.08	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	0.83	o.k	5.64	o.k	-	-	o.k	0.00	o.k
2	4.33	0.62	ENVDIS	Combination	Min	-0.08	-0.07	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	2.78	o.k	4.99	o.k	-	-	o.k	0.00	o.k
2	4.94	0.62	ENVDIS	Combination	Min	-0.08	-0.06	0.00	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	0.09	o.k	4.34	o.k	-	-	o.k	0.00	o.k
2	5.56	0.62	ENVDIS	Combination	Min	-0.08	-0.05	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	7.76	o.k	3.69	o.k	-	-	o.k	0.00	o.k
2	6.18	0.00	ENVDIS	Combination	Min	-0.08	-0.04	-0.01	TIRANTE INFERIOR	0.0200	-	-	4.18	o.k	20.25	o.k	3.04	o.k	-	-	o.k	0.01	o.k
5	0.00	0.00	ENVDIS	Combination	Max	1.59	0.00	0.00	PENDOLON	0.0200	79.525	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	0.17	0.17	ENVDIS	Combination	Max	1.59	0.00	0.00	PENDOLON	0.0200	79.645	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	0.34	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	79.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	0.51	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	79.880	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	0.68	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	80.000	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	0.86	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	80.120	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	1.03	0.17	ENVDIS	Combination	Max	1.60	0.00	0.00	PENDOLON	0.0200	80.240	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	1.20	0.17	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.360	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	1.37	0.17	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.480	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	1.54	0.17	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.600	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	1.71	0.00	ENVDIS	Combination	Max	1.61	0.00	0.00	PENDOLON	0.0200	80.720	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
5	0.00	0.00	ENVDIS	Combination	Min	-0.05	0.00	0.00	PENDOLON	0.0200	-	-	2.46	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.17	0.17	ENVDIS	Combination	Min	-0.05	0.00	0.00	PENDOLON	0.0200	-	-	2.39	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.34	0.17	ENVDIS	Combination	Min	-0.05	0.00	0.00	PENDOLON	0.0200	-	-	2.32	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.51	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.25	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.68	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.17	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.86	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.10	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.03	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	2.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.20	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	1.96	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.37	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	1.89	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.54	0.17	ENVDIS	Combination	Min	-0.04	0.00	0.00	PENDOLON	0.0200	-	-	1.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	1.71	0.00	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0200	-	-	1.74	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Max	0.08	-0.01	0.00	TORNAPUNTA	0.0200	2.995	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
8	0.18	0.18	ENVDIS	Combination	Max	0.08	0.00	0.00	TORNAPUNTA	0.0200	3.050	o.k	0.00	o.k	2.19	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
8	0.36	0.18	ENVDIS	Combination	Max	0.08	0.00	0.00	TORNAPUNTA	0.0200	3.100	o.k	0.00	o.k	3.89	o.k	0.25	o.k	0.01	0.00	o.k	0.00	o.k
8	0.54	0.18	ENVDIS	Combination	Max	0.08	0.00	0.00	TORNAPUNTA	0.0200	3.150	o.k	0.00	o.k	5.10	o.k	0.16	o.k	0.01	0.00	o.k	0.00	o.k
8	0.71	0.18	ENVDIS	Combination	Max	0.08	0.00	0.00	TORNAPUNTA	0.0200	3.200	o.k	0.00	o.k	5.84	o.k	0.08	o.k	0.01	0.00	o.k	0.00	o.k
8	0.89	0.18	ENVDIS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0200	3.255	o.k	0.00	o.k	6.08	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
8	1.07	0.18	ENVDIS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0200	3.305	o.k	0.00	o.k	5.84	o.k	0.13	o.k	0.01	0.00	o.k	0.00	o.k
8	1.25	0.18	ENVDIS	Combination	Max	0.07	0.00	0.00	TORNAPUNTA	0.0200	3.355	o.k	0.00	o.k	5.10	o.k	0.27	o.k	0.01	0.00	o.k	0.00	o.k
8	1.43	0.18	ENVDIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0200	3.410	o.k	0.00	o.k	3.89	o.k	0.40	o.k	0.01	0.00	o.k	0.00	o.k
8	1.61	0.18	ENVDIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0200	3.460	o.k	0.00	o.k	2.19	o.k	0.55	o.k	0.00	0.00	o.k	0.00	o.k
8	1.79	0.00	ENVDIS	Combination	Max	0.07	0.01	0.00	TORNAPUNTA	0.0200	3.510	o.k	0.00	o.k	0.00	-	0.68	o.k	0.00	0.00	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0200	-	-	57.91	o.k	0.00	-	0.68	o.k	-	-	o.k	0.00	o.k
8	0.18	0.18	ENVDIS	Combination	Min	-1.16	-0.01	0.00	TORNAPUNTA	0.0200	-	-	57.82	o.k	1.31	o.k	0.55	o.k	-	-	o.k	0.00	o.k
8	0.36	0.18	ENVDIS	Combination	Min	-1.15	-0.01	0.00	TORNAPUNTA	0.0200	-	-	57.73	o.k	2.34	o.k	0.40	o.k	-	-	o.k	0.00	o.k
8	0.54	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.65	o.k	3.06	o.k	0.27	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.71	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.56	o.k	3.50	o.k	0.13	o.k	-	-	o.k	0.00	o.k
6	0.89	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.48	o.k	3.65	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	1.07	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.39	o.k	3.50	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	1.25	0.18	ENVDIS	Combination	Min	-1.15	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.31	o.k	3.06	o.k	0.16	o.k	-	-	o.k	0.00	o.k
6	1.43	0.18	ENVDIS	Combination	Min	-1.14	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.22	o.k	2.34	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	1.61	0.18	ENVDIS	Combination	Min	-1.14	0.00	0.00	TORNAPUNTA	0.0200	-	-	57.13	o.k	1.31	o.k	0.33	o.k	-	-	o.k	0.00	o.k
6	1.79	0.00	ENVDIS	Combination	Min	-1.14	0.01	0.00	TORNAPUNTA	0.0200	-	-	57.05	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Max	0.06	-0.01	0.00	TORNAPUNTA	0.0200	2.750	o.k	0.00	o.k	0.00	-	0.58	o.k	0.00	0.00	o.k	0.00	o.k
7	0.16	0.16	ENVDIS	Combination	Max	0.06	0.00	0.01	TORNAPUNTA	0.0200	2.800	o.k	0.00	o.k	11.69	o.k	0.51	o.k	0.01	0.01	o.k	0.00	o.k
7	0.32	0.16	ENVDIS	Combination	Max	0.06	0.00	0.02	TORNAPUNTA	0.0200	2.850	o.k	0.00	o.k	23.04	o.k	0.25	o.k	0.02	0.01	o.k	0.00	o.k
7	0.48	0.16	ENVDIS	Combination	Max	0.06	0.00	0.02	TORNAPUNTA	0.0200	2.905	o.k	0.00	o.k	34.05	o.k	0.19	o.k	0.02	0.02	o.k	0.00	o.k
7	0.64	0.16	ENVDIS	Combination	Max	0.06	0.00	0.03	TORNAPUNTA	0.0200	2.955	o.k	0.00	o.k	44.72	o.k	0.12	o.k	0.03	0.03	o.k	0.00	o.k
7	0.80	0.16	ENVDIS	Combination	Max	0.06	0.00	0.04	TORNAPUNTA	0.0200	3.005	o.k	0.00	o.k	55.05	o.k	0.06	o.k	0.04	0.03	o.k	0.00	o.k
7	0.96	0.16	ENVDIS	Combination	Max	0.06	0.00	0.04	TORNAPUNTA	0.0200	3.060	o.k	0.00	o.k	65.04	o.k	0.00	o.k	0.04	0.04	o.k	0.00	o.k
7	1.12	0.16	ENVDIS	Combination	Max	0.06	0.00	0.05	TORNAPUNTA	0.0200	3.110	o.k	0.00	o.k	74.69	o.k	0.07	o.k	0.05	0.05	o.k	0.00	o.k
7	1.22	0.11	ENVDIS	Combination	Max	0.06	0.00	0.05	TORNAPUNTA	0.0200	3.145	o.k	0.00	o.k	81.00	o.k	0.11	o.k	0.05	0.05	o.k	0.00	o.k
7	1.22	0.00	ENVDIS	Combination	Max	0.07	0.14	0.05	TORNAPUNTA	0.0200	3.350	o.k	0.00	o.k	81.00	o.k	10.78	o.k	0.05	0.05	o.k	0.00	o.k
7	1.28	0.05	ENVDIS	Combination	Max	0.07	0.14	0.05	TORNAPUNTA	0.0200	3.365	o.k	0.00	o.k	69.75	o.k	10.82	o.k	0.05	0.04	o.k	0.00	o.k
7	1.44	0.16	ENVDIS	Combination	Max	0.07	0.15	0.02	TORNAPUNTA	0.0200	3.420	o.k	0.00	o.k	35.04	o.k	10.93	o.k	0.03	0.02	o.k	0.00	o.k
7	1.60	0.00	ENVDIS	Combination	Max	0.07	0.15	0.00	TORNAPUNTA	0.0200	3.470	o.k	0.00	o.k	0.00	o.k	11.04	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVDIS	Combination	Min	-1.36	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.76	o.k	0.00	-	3.72	o.k	-	-	o.k	0.00	o.k
7	0.16	0.16	ENVDIS	Combination	Min	-1.35	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.67	o.k	1.11	o.k	3.61	o.k	-	-	o.k	0.00	o.k
7	0.32	0.16	ENVDIS	Combination	Min	-1.35	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.58	o.k	2.01	o.k	3.50	o.k	-	-	o.k	0.00	o.k
7	0.48	0.16	ENVDIS	Combination	Min	-1.35	-0.05	0.00	TORNAPUNTA	0.0200	-	-	67.50	o.k	2.72	o.k	3.40	o.k	-	-	o.k	0.00	o.k
7	0.64	0.16	ENVDIS	Combination	Min	-1.35	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.41	o.k	3.21	o.k	3.29	o.k	-	-	o.k	0.00	o.k
7	0.80	0.16	ENVDIS	Combination	Min	-1.35	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.32	o.k	3.50	o.k	3.18	o.k	-	-	o.k	0.00	o.k
7	0.96	0.16	ENVDIS	Combination	Min	-1.34	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.24	o.k	3.59	o.k	3.07	o.k	-	-	o.k	0.00	o.k
7	1.12	0.16	ENVDIS	Combination	Min	-1.34	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.15	o.k	3.47	o.k	2.97	o.k	-	-	o.k	0.00	o.k
7	1.22	0.11	ENVDIS	Combination	Min	-1.34	-0.04	0.00	TORNAPUNTA	0.0200	-	-	67.09	o.k	3.27	o.k	2.89	o.k	-	-	o.k	0.00	o.k
7	1.22	0.00	ENVDIS	Combination	Min	-1.12	0.00	0.00	TORNAPUNTA	0.0200	-	-	56.05	o.k	3.27	o.k	0.57	o.k	-	-	o.k	0.00	o.k
7	1.28	0.05	ENVDIS	Combination	Min	-1.12	0.01	0.00	TORNAPUNTA	0.0200	-	-	56.03	o.k	2.88	o.k	0.59	o.k	-	-	o.k	0.00	o.k
7	1.44	0.16	ENVDIS	Combination	Min	-1.12	0.01	0.00	TORNAPUNTA	0.0200	-	-	55.94	o.k	1.55	o.k	0.45	o.k	-	-	o.k	0.00	o.k
7	1.60	0.00	ENVDIS	Combination	Min	-1.12	0.01	0.00	TORNAPUNTA	0.0200	-	-	55.85	o.k	0.00	o.k	0.52	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.704	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.09	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.19	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.840	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.28	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.901	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.38	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	34.965	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.47	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	35.037	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.57	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	35.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.66	0.09	ENVDIS	Combination	Max	0.28	0.00	0.00	PUNTAL	0.0081	35.160	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.79	0.09	ENVDIS	Combination	Max	0.29	0.00	0.00	PUNTAL	0.0081	35.235	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.85	0.09	ENVDIS	Combination	Max	0.29	0.00	0.00	PUNTAL	0.0081	35.296	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.94	0.00	ENVDIS	Combination	Max	0.29	0.00	0.00	PUNTAL	0.0081	35.358	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.00	0.00	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.259	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.09	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.296	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.19	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.346	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.28	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.383	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.38	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.47	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.457	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.57	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.494	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.66	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.543	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.76	0.09	ENVDIS	Combination	Min	0.00	0.00	0.00	PUNTAL	0.0081	0.580	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.85	0.09	ENVDIS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	0.617	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.94	0.00	ENVDIS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	0.654	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Max	0.11	0.02	0.02	PAR SUPERIOR	0.0200	5.360	o.k	0.00	o.k	26.03	o.k	1.84	o.k	0.02	0.01	o.k	0.00	o.k
9	0.49	0.49	ENVDIS	Combination	Max	0.11	0.03	0.00	PAR SUPERIOR	0.0200	5.435	o.k	0.00	o.k	6.86	o.k	2.12	o.k	0.01	0.00	o.k	0.00	o.k
9	0.98	0.49	ENVDIS	Combination	Max	0.11	0.03	0.15	PAR SUPERIOR	0.0200	5.505	o.k	0.00	o.k	229.41	o.k	2.41	o.k	0.15	0.14	o.k	0.00	o.k
9	0.98	0.00	ENVDIS	Combination	Max	0.10	0.06	0.15	PAR SUPERIOR	0.0200	4.965	o.k	0.00	o.k	229.41	o.k	0.24	o.k	0.15	0.14	o.k	0.00	o.k
9	1.47	0.49	ENVDIS	Combination	Max	0.10	0.01	0.22	PAR SUPERIOR	0.0200	5.035	o.k	0.00	o.k	326.24	o.k	0.53	o.k	0.21	0.21	o.k	0.00	o.k
9	1.96	0.49	ENVDIS	Combination	Max	0.10	0.01	0.28	PAR SUPERIOR	0.0200	5.110	o.k	0.00	o.k	418.37	o.k	0.82	o.k	0.27	0.26	o.k	0.00	o.k
9	1.96	0.00	ENVDIS	Combination	Max	0.09	0.21	0.28	PAR SUPERIOR	0.0200	4.570	o.k	0.00	o.k	418.37	o.k	15.85	o.k	0.27	0.27	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
9	2.44	0.49	ENVDIS	Combination	Max	0.09	0.22	0.17	PAR SUPERIOR	0.0200	4.640	o.k	0.00	o.k	280.97	o.k	16.35	o.k	0.17	0.16	o.k	0.00	o.k
9	2.93	0.49	ENVDIS	Combination	Max	0.09	0.22	0.07	PAR SUPERIOR	0.0200	4.710	o.k	0.00	o.k	98.87	o.k	16.82	o.k	0.07	0.06	o.k	0.00	o.k
9	2.93	0.00	ENVDIS	Combination	Max	0.08	0.56	0.07	PAR SUPERIOR	0.0200	4.170	o.k	0.00	o.k	98.87	o.k	41.86	o.k	0.07	0.06	o.k	0.00	o.k
9	3.42	0.49	ENVDIS	Combination	Max	0.08	0.56	0.01	PAR SUPERIOR	0.0200	4.245	o.k	0.00	o.k	22.40	o.k	42.34	o.k	0.02	0.01	o.k	0.00	o.k
9	3.50	0.08	ENVDIS	Combination	Max	0.09	0.57	0.02	PAR SUPERIOR	0.0200	4.255	o.k	0.00	o.k	26.75	o.k	42.42	o.k	0.02	0.01	o.k	0.00	o.k
9	3.50	0.00	ENVDIS	Combination	Max	0.08	0.03	0.02	PAR SUPERIOR	0.0200	2.955	o.k	0.00	o.k	26.75	o.k	2.29	o.k	0.02	0.02	o.k	0.00	o.k
9	3.91	0.41	ENVDIS	Combination	Max	0.06	0.03	0.00	PAR SUPERIOR	0.0200	3.010	o.k	0.00	o.k	7.10	o.k	2.53	o.k	0.01	0.00	o.k	0.00	o.k
9	3.91	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PAR SUPERIOR	0.0200	2.470	o.k	0.00	o.k	7.10	o.k	0.57	o.k	0.01	0.00	o.k	0.00	o.k
9	4.40	0.49	ENVDIS	Combination	Max	0.05	0.01	0.00	PAR SUPERIOR	0.0200	2.545	o.k	0.00	o.k	2.13	o.k	0.65	o.k	0.00	0.00	o.k	0.00	o.k
9	4.89	0.00	ENVDIS	Combination	Max	0.05	0.01	0.04	PAR SUPERIOR	0.0200	2.615	o.k	0.00	o.k	52.85	o.k	0.94	o.k	0.04	0.03	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Min	-3.24	-0.48	-0.31	PAR SUPERIOR	0.0200	-	-	162.05	o.k	468.00	o.k	36.14	o.k	-	-	o.k	0.32	o.k
9	0.49	0.49	ENVDIS	Combination	Min	-3.24	-0.48	-0.08	PAR SUPERIOR	0.0200	-	-	161.93	o.k	116.96	o.k	35.66	o.k	-	-	o.k	0.09	o.k
9	0.98	0.49	ENVDIS	Combination	Min	-3.24	-0.47	-0.01	PAR SUPERIOR	0.0200	-	-	161.81	o.k	15.53	o.k	35.18	o.k	-	-	o.k	0.02	o.k
9	0.98	0.00	ENVDIS	Combination	Min	-3.11	-0.14	-0.01	PAR SUPERIOR	0.0200	-	-	155.58	o.k	15.53	o.k	10.14	o.k	-	-	o.k	0.02	o.k
9	1.47	0.49	ENVDIS	Combination	Min	-3.11	-0.13	-0.01	PAR SUPERIOR	0.0200	-	-	155.46	o.k	19.29	o.k	9.66	o.k	-	-	o.k	0.03	o.k
9	1.96	0.49	ENVDIS	Combination	Min	-3.11	-0.12	-0.02	PAR SUPERIOR	0.0200	-	-	155.34	o.k	25.88	o.k	9.18	o.k	-	-	o.k	0.03	o.k
9	1.96	0.00	ENVDIS	Combination	Min	-2.98	-0.02	-0.02	PAR SUPERIOR	0.0200	-	-	149.10	o.k	25.88	o.k	1.36	o.k	-	-	o.k	0.03	o.k
9	2.44	0.49	ENVDIS	Combination	Min	-2.98	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	148.99	o.k	14.04	o.k	1.06	o.k	-	-	o.k	0.02	o.k
9	2.93	0.49	ENVDIS	Combination	Min	-2.98	-0.01	0.00	PAR SUPERIOR	0.0200	-	-	148.87	o.k	5.04	o.k	0.78	o.k	-	-	o.k	0.01	o.k
9	2.93	0.00	ENVDIS	Combination	Min	-2.85	-0.04	0.00	PAR SUPERIOR	0.0200	-	-	142.63	o.k	5.04	o.k	2.95	o.k	-	-	o.k	0.01	o.k
9	3.42	0.49	ENVDIS	Combination	Min	-2.85	-0.04	-0.21	PAR SUPERIOR	0.0200	-	-	142.51	o.k	312.75	o.k	2.66	o.k	-	-	o.k	0.21	o.k
9	3.50	0.08	ENVDIS	Combination	Min	-2.85	-0.03	-0.26	PAR SUPERIOR	0.0200	-	-	142.49	o.k	382.64	o.k	2.61	o.k	-	-	o.k	0.26	o.k
9	3.50	0.00	ENVDIS	Combination	Min	-2.34	-0.45	-0.26	PAR SUPERIOR	0.0200	-	-	116.96	o.k	382.64	o.k	34.09	o.k	-	-	o.k	0.25	o.k
9	3.91	0.41	ENVDIS	Combination	Min	-2.34	-0.45	-0.07	PAR SUPERIOR	0.0200	-	-	116.86	o.k	107.09	o.k	33.70	o.k	-	-	o.k	0.08	o.k
9	3.91	0.00	ENVDIS	Combination	Min	-2.21	-0.12	-0.07	PAR SUPERIOR	0.0200	-	-	110.62	o.k	107.09	o.k	8.66	o.k	-	-	o.k	0.08	o.k
9	4.40	0.49	ENVDIS	Combination	Min	-2.21	-0.11	-0.02	PAR SUPERIOR	0.0200	-	-	110.50	o.k	24.77	o.k	8.18	o.k	-	-	o.k	0.02	o.k
9	4.89	0.00	ENVDIS	Combination	Min	-2.21	-0.10	0.00	PAR SUPERIOR	0.0200	-	-	110.38	o.k	5.66	o.k	7.69	o.k	-	-	o.k	0.02	o.k
14	0.00	0.00	ENVDIS	Combination	Max	0.08	0.13	0.04	PAR SUPERIOR	0.0200	2.780	o.k	0.00	o.k	52.85	o.k	9.66	o.k	0.04	0.03	o.k	0.00	o.k
14	0.40	0.40	ENVDIS	Combination	Max	0.05	0.13	0.00	PAR SUPERIOR	0.0200	2.705	o.k	0.00	o.k	1.37	o.k	10.03	o.k	0.00	0.00	o.k	0.00	o.k
14	0.80	0.40	ENVDIS	Combination	Max	0.05	0.14	0.00	PAR SUPERIOR	0.0200	2.635	o.k	0.00	o.k	6.56	o.k	10.42	o.k	0.01	0.00	o.k	0.00	o.k
14	0.80	0.00	ENVDIS	Combination	Max	0.07	0.46	0.00	PAR SUPERIOR	0.0200	3.295	o.k	0.00	o.k	6.56	o.k	34.58	o.k	0.01	0.00	o.k	0.00	o.k
14	1.12	0.32	ENVDIS	Combination	Max	0.06	0.47	0.02	PAR SUPERIOR	0.0200	3.255	o.k	0.00	o.k	22.98	o.k	34.89	o.k	0.02	0.01	o.k	0.00	o.k
14	1.12	0.00	ENVDIS	Combination	Max	0.08	0.04	0.02	PAR SUPERIOR	0.0200	3.760	o.k	0.00	o.k	22.98	o.k	2.72	o.k	0.02	0.01	o.k	0.00	o.k
14	1.20	0.08	ENVDIS	Combination	Max	0.07	0.04	0.01	PAR SUPERIOR	0.0200	3.745	o.k	0.00	o.k	18.75	o.k	2.77	o.k	0.02	0.01	o.k	0.00	o.k
14	1.60	0.40	ENVDIS	Combination	Max	0.07	0.04	0.05	PAR SUPERIOR	0.0200	3.675	o.k	0.00	o.k	81.20	o.k	3.00	o.k	0.06	0.05	o.k	0.00	o.k
14	1.60	0.00	ENVDIS	Combination	Max	0.09	0.01	0.05	PAR SUPERIOR	0.0200	4.335	o.k	0.00	o.k	81.20	o.k	0.90	o.k	0.06	0.05	o.k	0.00	o.k
14	2.00	0.40	ENVDIS	Combination	Max	0.09	0.02	0.15	PAR SUPERIOR	0.0200	4.265	o.k	0.00	o.k	231.42	o.k	1.12	o.k	0.15	0.15	o.k	0.00	o.k
14	2.40	0.40	ENVDIS	Combination	Max	0.08	0.02	0.25	PAR SUPERIOR	0.0200	4.190	o.k	0.00	o.k	376.60	o.k	1.36	o.k	0.25	0.24	o.k	0.00	o.k
14	2.40	0.00	ENVDIS	Combination	Max	0.10	0.08	0.25	PAR SUPERIOR	0.0200	4.850	o.k	0.00	o.k	376.60	o.k	5.98	o.k	0.25	0.24	o.k	0.00	o.k
14	2.80	0.40	ENVDIS	Combination	Max	0.10	0.08	0.22	PAR SUPERIOR	0.0200	4.780	o.k	0.00	o.k	329.24	o.k	6.35	o.k	0.22	0.21	o.k	0.00	o.k
14	3.20	0.40	ENVDIS	Combination	Max	0.09	0.06	0.18	PAR SUPERIOR	0.0200	4.710	o.k	0.00	o.k	276.83	o.k	6.73	o.k	0.18	0.17	o.k	0.00	o.k
14	3.20	0.00	ENVDIS	Combination	Max	0.11	0.41	0.18	PAR SUPERIOR	0.0200	5.370	o.k	0.00	o.k	276.83	o.k	30.90	o.k	0.18	0.17	o.k	0.00	o.k
14	3.60	0.40	ENVDIS	Combination	Max	0.11	0.42	0.02	PAR SUPERIOR	0.0200	5.295	o.k	0.00	o.k	27.86	o.k	31.28	o.k	0.02	0.01	o.k	0.00	o.k
14	4.00	0.00	ENVDIS	Combination	Max	0.10	0.42	0.01	PAR SUPERIOR	0.0200	5.225	o.k	0.00	o.k	20.25	o.k	31.66	o.k	0.02	0.01	o.k	0.00	o.k
14	0.00	0.00	ENVDIS	Combination	Min	-2.31	-0.01	0.00	PAR SUPERIOR	0.0200	-	-	115.43	o.k	5.66	o.k	0.99	o.k	-	-	o.k	0.01	o.k
14	0.40	0.40	ENVDIS	Combination	Min	-2.31	-0.01	-0.02	PAR SUPERIOR	0.0200	-	-	115.55	o.k	26.00	o.k	0.76	o.k	-	-	o.k	0.02	o.k
14	0.80	0.40	ENVDIS	Combination	Min	-2.31	-0.01	-0.07	PAR SUPERIOR	0.0200	-	-	115.66	o.k	107.90	o.k	0.53	o.k	-	-	o.k	0.08	o.k
14	0.80	0.00	ENVDIS	Combination	Min	-2.47	-0.04	-0.07	PAR SUPERIOR	0.0200	-	-	123.28	o.k	107.90	o.k	2.63	o.k	-	-	o.k	0.08	o.k
14	1.12	0.32	ENVDIS	Combination	Min	-2.47	-0.03	-0.22	PAR SUPERIOR	0.0200	-	-	123.57	o.k	332.60	o.k	2.44	o.k	-	-	o.k	0.22	o.k
14	1.12	0.00	ENVDIS	Combination	Min	-2.89	-0.58	-0.22	PAR SUPERIOR	0.0200	-	-	144.29	o.k	332.60	o.k	43.57	o.k	-	-	o.k	0.22	o.k
14	1.20	0.08	ENVDIS	Combination	Min	-2.89	-0.58	-0.18	PAR SUPERIOR	0.0200	-	-	144.31	o.k	265.59	o.k	43.50	o.k	-	-	o.k	0.18	o.k
14	1.60	0.40	ENVDIS	Combination	Min	-2.89	-0.57	0.00	PAR SUPERIOR	0.0200	-	-	144.43	o.k	4.34	o.k	43.12	o.k	-	-	o.k	0.01	o.k
14	1.60	0.00	ENVDIS	Combination	Min	-3.04	-0.25	0.00	PAR SUPERIOR	0.0200	-	-	152.04	o.k	4.34	o.k	18.95	o.k	-	-	o.k	0.01	o.k
14	2.00	0.40	ENVDIS	Combination	Min	-3.04	-0.25	-0.01	PAR SUPERIOR	0.0200	-	-	152.16	o.k	12.47	o.k	18.57	o.k	-	-	o.k	0.02	o.k
14	2.40	0.40	ENVDIS	Combination	Min	-3.05	-0.24	-0.01	PAR SUPERIOR	0.0200	-	-	152.28	o.k	22.41	o.k	18.19	o.k	-	-	o.k	0.03	o.k
14	2.40	0.00	ENVDIS	Combination	Min	-3.20	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	159.89	o.k	22.41	o.k	0.74	o.k	-	-	o.k	0.03	o.k
14	2.80	0.40	ENVDIS	Combination	Min	-3.20	-0.01	-0.01	PAR SUPERIOR	0.0200	-	-	160.01	o.k	17.40	o.k	0.51	o.k	-	-	o.k	0.02	o.k
14	3.20	0.40	ENVDIS	Combination	Min	-3.20	0.00	-0.01	PAR SUPERIOR	0.0200	-	-	160.13	o.k	14.22	o.k	0.28	o.k	-	-	o.k	0.02	o.k
14	3.20	0.00	ENVDIS	Combination	Min	-3.35	-0.03	-0.01	PAR SUPERIOR	0.0200	-	-	167.74	o.k	14.22	o.k	2.38	o.k	-	-	o.k	0.02	o.k
14	3.60	0.40	ENVDIS	Combination	Min	-3.36	-0.03	0.00	PAR SUPERIOR	0.0200	-	-	167.86	o.k	3.93	o.k	2.15	o.k	-	-	o.k	0.02	o.k
14	4.00	0.00	ENVDIS	Combination	Min	-3.36	-0.03	-0.15	PAR SUPERIOR	0.0200	-	-	167.98	o.k	224.15	o.k	1.93	o.k	-	-	o.k	0.42	o.k

CUBIERTA MADERA - CRUJIA 4 - CERCHA TIPO 1

EVALUACION DE DEFORMACIONES



Luz Libre 6.18 m
Deformacion Admisible
2.06 cm CUMPLE
Deforamcion cercha
0.25 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 1- CRUJIA 4

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

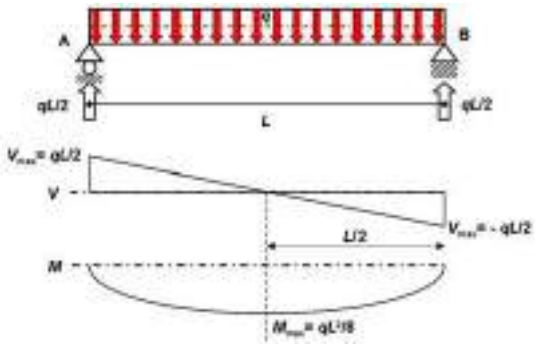
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 1.96 m L Afe= 0.97 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.7 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 48.50 Kg/m
CM= 97.75 Kg/m
W= 71.06 Kg/m



q_U =	**187.42 Kg/m**
$V_{MÀX}$=	**183.67 Kg**
$M_{MÀX}$=	**90.00 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *3.44 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *0.83 cm* > δ Admisible, No Cumple
δ Admisible L/300= 0.7 cm

NOTA:

4.11.10 Verificación Cubiertas Crujía 5.

4.11.10.1 Tipo 1

CUBIERTA CRUJIA 5

Corrsponde al analisis de la crujia 5 cerchas CH1 a CH6, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

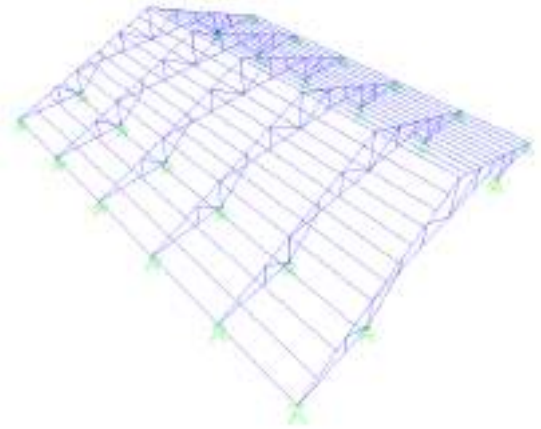
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	0.75	71.25	37.50	**37.50**	**54.95**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None
COMB5	G			
COMB6	D	None	None	None
COMB6	W			

COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		

COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Loads - Distributed, Part 1 of 3

Table: Frame Loads - Distributed, Part 1 of 3						
Frame	**LoadPat**	**CoordSys**	**Type**	**Dir**	**DistType**	**RelDistA**
133	G	GLOBAL	Force	Gravity	RelDist	0.
133	W	GLOBAL	Force	Gravity	RelDist	0.
133	D	GLOBAL	Force	Gravity	RelDist	0.
133	Lr	GLOBAL	Force	Gravity	RelDist	0.
134	G	GLOBAL	Force	Gravity	RelDist	0.
134	W	GLOBAL	Force	Gravity	RelDist	0.
134	D	GLOBAL	Force	Gravity	RelDist	0.
134	Lr	GLOBAL	Force	Gravity	RelDist	0.
135	G	GLOBAL	Force	Gravity	RelDist	0.
135	W	GLOBAL	Force	Gravity	RelDist	0.
135	D	GLOBAL	Force	Gravity	RelDist	0.
135	Lr	GLOBAL	Force	Gravity	RelDist	0.
136	G	GLOBAL	Force	Gravity	RelDist	0.
136	W	GLOBAL	Force	Gravity	RelDist	0.
136	D	GLOBAL	Force	Gravity	RelDist	0.
136	Lr	GLOBAL	Force	Gravity	RelDist	0.
137	G	GLOBAL	Force	Gravity	RelDist	0.
137	W	GLOBAL	Force	Gravity	RelDist	0.
137	D	GLOBAL	Force	Gravity	RelDist	0.
137	Lr	GLOBAL	Force	Gravity	RelDist	0.
138	G	GLOBAL	Force	Gravity	RelDist	0.
138	W	GLOBAL	Force	Gravity	RelDist	0.
138	D	GLOBAL	Force	Gravity	RelDist	0.
138	Lr	GLOBAL	Force	Gravity	RelDist	0.
139	G	GLOBAL	Force	Gravity	RelDist	0.
139	W	GLOBAL	Force	Gravity	RelDist	0.
139	D	GLOBAL	Force	Gravity	RelDist	0.
139	Lr	GLOBAL	Force	Gravity	RelDist	0.
140	G	GLOBAL	Force	Gravity	RelDist	0.
140	W	GLOBAL	Force	Gravity	RelDist	0.
140	D	GLOBAL	Force	Gravity	RelDist	0.
140	Lr	GLOBAL	Force	Gravity	RelDist	0.
141	G	GLOBAL	Force	Gravity	RelDist	0.
141	W	GLOBAL	Force	Gravity	RelDist	0.
141	D	GLOBAL	Force	Gravity	RelDist	0.
141	Lr	GLOBAL	Force	Gravity	RelDist	0.
142	G	GLOBAL	Force	Gravity	RelDist	0.
142	W	GLOBAL	Force	Gravity	RelDist	0.
142	D	GLOBAL	Force	Gravity	RelDist	0.
142	Lr	GLOBAL	Force	Gravity	RelDist	0.
294	G	GLOBAL	Force	Gravity	RelDist	0.
294	W	GLOBAL	Force	Gravity	RelDist	0.
294	D	GLOBAL	Force	Gravity	RelDist	0.
294	Lr	GLOBAL	Force	Gravity	RelDist	0.
295	G	GLOBAL	Force	Gravity	RelDist	0.
295	W	GLOBAL	Force	Gravity	RelDist	0.
295	D	GLOBAL	Force	Gravity	RelDist	0.

295	Lr	GLOBAL	Force	Gravity	RelDist	0.
296	G	GLOBAL	Force	Gravity	RelDist	0.
296	W	GLOBAL	Force	Gravity	RelDist	0.
296	D	GLOBAL	Force	Gravity	RelDist	0.
296	Lr	GLOBAL	Force	Gravity	RelDist	0.
297	G	GLOBAL	Force	Gravity	RelDist	0.
297	W	GLOBAL	Force	Gravity	RelDist	0.
297	D	GLOBAL	Force	Gravity	RelDist	0.
297	Lr	GLOBAL	Force	Gravity	RelDist	0.
298	G	GLOBAL	Force	Gravity	RelDist	0.
298	W	GLOBAL	Force	Gravity	RelDist	0.
298	D	GLOBAL	Force	Gravity	RelDist	0.
298	Lr	GLOBAL	Force	Gravity	RelDist	0.
299	G	GLOBAL	Force	Gravity	RelDist	0.
299	W	GLOBAL	Force	Gravity	RelDist	0.
299	D	GLOBAL	Force	Gravity	RelDist	0.
299	Lr	GLOBAL	Force	Gravity	RelDist	0.
300	G	GLOBAL	Force	Gravity	RelDist	0.
300	W	GLOBAL	Force	Gravity	RelDist	0.
300	D	GLOBAL	Force	Gravity	RelDist	0.
300	Lr	GLOBAL	Force	Gravity	RelDist	0.
301	G	GLOBAL	Force	Gravity	RelDist	0.
301	W	GLOBAL	Force	Gravity	RelDist	0.
301	D	GLOBAL	Force	Gravity	RelDist	0.
301	Lr	GLOBAL	Force	Gravity	RelDist	0.
302	G	GLOBAL	Force	Gravity	RelDist	0.
302	W	GLOBAL	Force	Gravity	RelDist	0.
302	D	GLOBAL	Force	Gravity	RelDist	0.
302	Lr	GLOBAL	Force	Gravity	RelDist	0.
303	G	GLOBAL	Force	Gravity	RelDist	0.
303	W	GLOBAL	Force	Gravity	RelDist	0.
303	D	GLOBAL	Force	Gravity	RelDist	0.
303	Lr	GLOBAL	Force	Gravity	RelDist	0.
304	G	GLOBAL	Force	Gravity	RelDist	0.
304	W	GLOBAL	Force	Gravity	RelDist	0.
304	D	GLOBAL	Force	Gravity	RelDist	0.
304	Lr	GLOBAL	Force	Gravity	RelDist	0.
305	G	GLOBAL	Force	Gravity	RelDist	0.
305	W	GLOBAL	Force	Gravity	RelDist	0.
305	D	GLOBAL	Force	Gravity	RelDist	0.
305	Lr	GLOBAL	Force	Gravity	RelDist	0.
306	G	GLOBAL	Force	Gravity	RelDist	0.
306	W	GLOBAL	Force	Gravity	RelDist	0.
306	D	GLOBAL	Force	Gravity	RelDist	0.
306	Lr	GLOBAL	Force	Gravity	RelDist	0.
307	G	GLOBAL	Force	Gravity	RelDist	0.
307	W	GLOBAL	Force	Gravity	RelDist	0.
307	D	GLOBAL	Force	Gravity	RelDist	0.
307	Lr	GLOBAL	Force	Gravity	RelDist	0.
308	G	GLOBAL	Force	Gravity	RelDist	0.
308	W	GLOBAL	Force	Gravity	RelDist	0.
308	D	GLOBAL	Force	Gravity	RelDist	0.

308	Lr	GLOBAL	Force	Gravity	RelDist	0.
309	G	GLOBAL	Force	Gravity	RelDist	0.
309	W	GLOBAL	Force	Gravity	RelDist	0.
309	D	GLOBAL	Force	Gravity	RelDist	0.
309	Lr	GLOBAL	Force	Gravity	RelDist	0.
310	G	GLOBAL	Force	Gravity	RelDist	0.
310	W	GLOBAL	Force	Gravity	RelDist	0.
310	D	GLOBAL	Force	Gravity	RelDist	0.
310	Lr	GLOBAL	Force	Gravity	RelDist	0.
311	G	GLOBAL	Force	Gravity	RelDist	0.
311	W	GLOBAL	Force	Gravity	RelDist	0.
311	D	GLOBAL	Force	Gravity	RelDist	0.
311	Lr	GLOBAL	Force	Gravity	RelDist	0.
312	G	GLOBAL	Force	Gravity	RelDist	0.
312	W	GLOBAL	Force	Gravity	RelDist	0.
312	D	GLOBAL	Force	Gravity	RelDist	0.
312	Lr	GLOBAL	Force	Gravity	RelDist	0.
313	G	GLOBAL	Force	Gravity	RelDist	0.
313	W	GLOBAL	Force	Gravity	RelDist	0.
313	D	GLOBAL	Force	Gravity	RelDist	0.
313	Lr	GLOBAL	Force	Gravity	RelDist	0.
314	G	GLOBAL	Force	Gravity	RelDist	0.
314	W	GLOBAL	Force	Gravity	RelDist	0.
314	D	GLOBAL	Force	Gravity	RelDist	0.
314	Lr	GLOBAL	Force	Gravity	RelDist	0.
315	G	GLOBAL	Force	Gravity	RelDist	0.
315	W	GLOBAL	Force	Gravity	RelDist	0.
315	D	GLOBAL	Force	Gravity	RelDist	0.
315	Lr	GLOBAL	Force	Gravity	RelDist	0.
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316	D	GLOBAL	Force	Gravity	RelDist	0.
316	Lr	GLOBAL	Force	Gravity	RelDist	0.
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317	W	GLOBAL	Force	Gravity	RelDist	0.
317	D	GLOBAL	Force	Gravity	RelDist	0.
317	Lr	GLOBAL	Force	Gravity	RelDist	0.
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318	W	GLOBAL	Force	Gravity	RelDist	0.
318	D	GLOBAL	Force	Gravity	RelDist	0.
318	Lr	GLOBAL	Force	Gravity	RelDist	0.
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319	D	GLOBAL	Force	Gravity	RelDist	0.
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320	D	GLOBAL	Force	Gravity	RelDist	0.
320	Lr	GLOBAL	Force	Gravity	RelDist	0.
321	G	GLOBAL	Force	Gravity	RelDist	0.
321	W	GLOBAL	Force	Gravity	RelDist	0.
321	D	GLOBAL	Force	Gravity	RelDist	0.

321	Lr	GLOBAL	Force	Gravity	RelDist	0.
322	G	GLOBAL	Force	Gravity	RelDist	0.
322	W	GLOBAL	Force	Gravity	RelDist	0.
322	D	GLOBAL	Force	Gravity	RelDist	0.
322	Lr	GLOBAL	Force	Gravity	RelDist	0.
323	G	GLOBAL	Force	Gravity	RelDist	0.
323	W	GLOBAL	Force	Gravity	RelDist	0.
323	D	GLOBAL	Force	Gravity	RelDist	0.
323	Lr	GLOBAL	Force	Gravity	RelDist	0.
324	G	GLOBAL	Force	Gravity	RelDist	0.
324	W	GLOBAL	Force	Gravity	RelDist	0.
324	D	GLOBAL	Force	Gravity	RelDist	0.
324	Lr	GLOBAL	Force	Gravity	RelDist	0.
325	G	GLOBAL	Force	Gravity	RelDist	0.
325	W	GLOBAL	Force	Gravity	RelDist	0.
325	D	GLOBAL	Force	Gravity	RelDist	0.
325	Lr	GLOBAL	Force	Gravity	RelDist	0.
326	G	GLOBAL	Force	Gravity	RelDist	0.
326	W	GLOBAL	Force	Gravity	RelDist	0.
326	D	GLOBAL	Force	Gravity	RelDist	0.
326	Lr	GLOBAL	Force	Gravity	RelDist	0.
327	G	GLOBAL	Force	Gravity	RelDist	0.
327	W	GLOBAL	Force	Gravity	RelDist	0.
327	D	GLOBAL	Force	Gravity	RelDist	0.
327	Lr	GLOBAL	Force	Gravity	RelDist	0.
328	G	GLOBAL	Force	Gravity	RelDist	0.
328	W	GLOBAL	Force	Gravity	RelDist	0.
328	D	GLOBAL	Force	Gravity	RelDist	0.
328	Lr	GLOBAL	Force	Gravity	RelDist	0.
329	G	GLOBAL	Force	Gravity	RelDist	0.
329	W	GLOBAL	Force	Gravity	RelDist	0.
329	D	GLOBAL	Force	Gravity	RelDist	0.
329	Lr	GLOBAL	Force	Gravity	RelDist	0.
330	G	GLOBAL	Force	Gravity	RelDist	0.
330	W	GLOBAL	Force	Gravity	RelDist	0.
330	D	GLOBAL	Force	Gravity	RelDist	0.
330	Lr	GLOBAL	Force	Gravity	RelDist	0.
331	G	GLOBAL	Force	Gravity	RelDist	0.
331	W	GLOBAL	Force	Gravity	RelDist	0.
331	D	GLOBAL	Force	Gravity	RelDist	0.
331	Lr	GLOBAL	Force	Gravity	RelDist	0.
332	G	GLOBAL	Force	Gravity	RelDist	0.
332	W	GLOBAL	Force	Gravity	RelDist	0.
332	D	GLOBAL	Force	Gravity	RelDist	0.
332	Lr	GLOBAL	Force	Gravity	RelDist	0.
333	G	GLOBAL	Force	Gravity	RelDist	0.
333	W	GLOBAL	Force	Gravity	RelDist	0.
333	D	GLOBAL	Force	Gravity	RelDist	0.
333	Lr	GLOBAL	Force	Gravity	RelDist	0.
334	G	GLOBAL	Force	Gravity	RelDist	0.
334	W	GLOBAL	Force	Gravity	RelDist	0.
334	D	GLOBAL	Force	Gravity	RelDist	0.

334	Lr	GLOBAL	Force	Gravity	RelDist	0.
335	G	GLOBAL	Force	Gravity	RelDist	0.
335	W	GLOBAL	Force	Gravity	RelDist	0.
335	D	GLOBAL	Force	Gravity	RelDist	0.
335	Lr	GLOBAL	Force	Gravity	RelDist	0.
336	G	GLOBAL	Force	Gravity	RelDist	0.
336	W	GLOBAL	Force	Gravity	RelDist	0.
336	D	GLOBAL	Force	Gravity	RelDist	0.
336	Lr	GLOBAL	Force	Gravity	RelDist	0.
337	G	GLOBAL	Force	Gravity	RelDist	0.
337	W	GLOBAL	Force	Gravity	RelDist	0.
337	D	GLOBAL	Force	Gravity	RelDist	0.
337	Lr	GLOBAL	Force	Gravity	RelDist	0.
338	G	GLOBAL	Force	Gravity	RelDist	0.
338	W	GLOBAL	Force	Gravity	RelDist	0.
338	D	GLOBAL	Force	Gravity	RelDist	0.
338	Lr	GLOBAL	Force	Gravity	RelDist	0.
339	G	GLOBAL	Force	Gravity	RelDist	0.
339	W	GLOBAL	Force	Gravity	RelDist	0.
339	D	GLOBAL	Force	Gravity	RelDist	0.
339	Lr	GLOBAL	Force	Gravity	RelDist	0.
340	G	GLOBAL	Force	Gravity	RelDist	0.
340	W	GLOBAL	Force	Gravity	RelDist	0.
340	D	GLOBAL	Force	Gravity	RelDist	0.
340	Lr	GLOBAL	Force	Gravity	RelDist	0.
341	G	GLOBAL	Force	Gravity	RelDist	0.
341	W	GLOBAL	Force	Gravity	RelDist	0.
341	D	GLOBAL	Force	Gravity	RelDist	0.
341	Lr	GLOBAL	Force	Gravity	RelDist	0.
342	G	GLOBAL	Force	Gravity	RelDist	0.
342	W	GLOBAL	Force	Gravity	RelDist	0.
342	D	GLOBAL	Force	Gravity	RelDist	0.
342	Lr	GLOBAL	Force	Gravity	RelDist	0.
343	G	GLOBAL	Force	Gravity	RelDist	0.
343	W	GLOBAL	Force	Gravity	RelDist	0.
343	D	GLOBAL	Force	Gravity	RelDist	0.
343	Lr	GLOBAL	Force	Gravity	RelDist	0.
344	G	GLOBAL	Force	Gravity	RelDist	0.
344	W	GLOBAL	Force	Gravity	RelDist	0.
344	D	GLOBAL	Force	Gravity	RelDist	0.
344	Lr	GLOBAL	Force	Gravity	RelDist	0.
345	G	GLOBAL	Force	Gravity	RelDist	0.
345	W	GLOBAL	Force	Gravity	RelDist	0.
345	D	GLOBAL	Force	Gravity	RelDist	0.
345	Lr	GLOBAL	Force	Gravity	RelDist	0.
346	G	GLOBAL	Force	Gravity	RelDist	0.
346	W	GLOBAL	Force	Gravity	RelDist	0.
346	D	GLOBAL	Force	Gravity	RelDist	0.
346	Lr	GLOBAL	Force	Gravity	RelDist	0.
347	G	GLOBAL	Force	Gravity	RelDist	0.
347	W	GLOBAL	Force	Gravity	RelDist	0.
347	D	GLOBAL	Force	Gravity	RelDist	0.

347	Lr	GLOBAL	Force	Gravity	RelDist	0.
348	G	GLOBAL	Force	Gravity	RelDist	0.
348	W	GLOBAL	Force	Gravity	RelDist	0.
348	D	GLOBAL	Force	Gravity	RelDist	0.
348	Lr	GLOBAL	Force	Gravity	RelDist	0.
349	G	GLOBAL	Force	Gravity	RelDist	0.
349	W	GLOBAL	Force	Gravity	RelDist	0.
349	D	GLOBAL	Force	Gravity	RelDist	0.
349	Lr	GLOBAL	Force	Gravity	RelDist	0.
350	G	GLOBAL	Force	Gravity	RelDist	0.
350	W	GLOBAL	Force	Gravity	RelDist	0.
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351	Lr	GLOBAL	Force	Gravity	RelDist	0.
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352	Lr	GLOBAL	Force	Gravity	RelDist	0.
353	G	GLOBAL	Force	Gravity	RelDist	0.
353	W	GLOBAL	Force	Gravity	RelDist	0.
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353	Lr	GLOBAL	Force	Gravity	RelDist	0.
354	G	GLOBAL	Force	Gravity	RelDist	0.
354	W	GLOBAL	Force	Gravity	RelDist	0.
354	D	GLOBAL	Force	Gravity	RelDist	0.
354	Lr	GLOBAL	Force	Gravity	RelDist	0.
355	G	GLOBAL	Force	Gravity	RelDist	0.
355	W	GLOBAL	Force	Gravity	RelDist	0.
355	D	GLOBAL	Force	Gravity	RelDist	0.
355	Lr	GLOBAL	Force	Gravity	RelDist	0.
356	G	GLOBAL	Force	Gravity	RelDist	0.
356	W	GLOBAL	Force	Gravity	RelDist	0.
356	D	GLOBAL	Force	Gravity	RelDist	0.
356	Lr	GLOBAL	Force	Gravity	RelDist	0.
357	G	GLOBAL	Force	Gravity	RelDist	0.
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357	D	GLOBAL	Force	Gravity	RelDist	0.
357	Lr	GLOBAL	Force	Gravity	RelDist	0.
358	G	GLOBAL	Force	Gravity	RelDist	0.
358	W	GLOBAL	Force	Gravity	RelDist	0.
358	D	GLOBAL	Force	Gravity	RelDist	0.
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359	Lr	GLOBAL	Force	Gravity	RelDist	0.
360	G	GLOBAL	Force	Gravity	RelDist	0.
360	W	GLOBAL	Force	Gravity	RelDist	0.
360	D	GLOBAL	Force	Gravity	RelDist	0.

360	Lr	GLOBAL	Force	Gravity	RelDist	0.
361	G	GLOBAL	Force	Gravity	RelDist	0.
361	W	GLOBAL	Force	Gravity	RelDist	0.
361	D	GLOBAL	Force	Gravity	RelDist	0.
361	Lr	GLOBAL	Force	Gravity	RelDist	0.
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363	W	GLOBAL	Force	Gravity	RelDist	0.
363	D	GLOBAL	Force	Gravity	RelDist	0.
363	Lr	GLOBAL	Force	Gravity	RelDist	0.
364	G	GLOBAL	Force	Gravity	RelDist	0.
364	W	GLOBAL	Force	Gravity	RelDist	0.
364	D	GLOBAL	Force	Gravity	RelDist	0.
364	Lr	GLOBAL	Force	Gravity	RelDist	0.
365	G	GLOBAL	Force	Gravity	RelDist	0.
365	W	GLOBAL	Force	Gravity	RelDist	0.
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366	W	GLOBAL	Force	Gravity	RelDist	0.
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366	Lr	GLOBAL	Force	Gravity	RelDist	0.
367	G	GLOBAL	Force	Gravity	RelDist	0.
367	W	GLOBAL	Force	Gravity	RelDist	0.
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367	Lr	GLOBAL	Force	Gravity	RelDist	0.
368	G	GLOBAL	Force	Gravity	RelDist	0.
368	W	GLOBAL	Force	Gravity	RelDist	0.
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368	Lr	GLOBAL	Force	Gravity	RelDist	0.
369	G	GLOBAL	Force	Gravity	RelDist	0.
369	W	GLOBAL	Force	Gravity	RelDist	0.
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373	Lr	GLOBAL	Force	Gravity	RelDist	0.
374	G	GLOBAL	Force	Gravity	RelDist	0.
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376	G	GLOBAL	Force	Gravity	RelDist	0.
376	W	GLOBAL	Force	Gravity	RelDist	0.
376	D	GLOBAL	Force	Gravity	RelDist	0.
376	Lr	GLOBAL	Force	Gravity	RelDist	0.
377	G	GLOBAL	Force	Gravity	RelDist	0.
377	W	GLOBAL	Force	Gravity	RelDist	0.
377	D	GLOBAL	Force	Gravity	RelDist	0.
377	Lr	GLOBAL	Force	Gravity	RelDist	0.
378	G	GLOBAL	Force	Gravity	RelDist	0.
378	W	GLOBAL	Force	Gravity	RelDist	0.
378	D	GLOBAL	Force	Gravity	RelDist	0.
378	Lr	GLOBAL	Force	Gravity	RelDist	0.
379	G	GLOBAL	Force	Gravity	RelDist	0.
379	W	GLOBAL	Force	Gravity	RelDist	0.
379	D	GLOBAL	Force	Gravity	RelDist	0.
379	Lr	GLOBAL	Force	Gravity	RelDist	0.
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380	Lr	GLOBAL	Force	Gravity	RelDist	0.
381	G	GLOBAL	Force	Gravity	RelDist	0.
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383	G	GLOBAL	Force	Gravity	RelDist	0.
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383	Lr	GLOBAL	Force	Gravity	RelDist	0.
384	G	GLOBAL	Force	Gravity	RelDist	0.
384	W	GLOBAL	Force	Gravity	RelDist	0.
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384	Lr	GLOBAL	Force	Gravity	RelDist	0.
385	G	GLOBAL	Force	Gravity	RelDist	0.
385	W	GLOBAL	Force	Gravity	RelDist	0.
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386	Lr	GLOBAL	Force	Gravity	RelDist	0.
387	G	GLOBAL	Force	Gravity	RelDist	0.
387	W	GLOBAL	Force	Gravity	RelDist	0.
387	D	GLOBAL	Force	Gravity	RelDist	0.
387	Lr	GLOBAL	Force	Gravity	RelDist	0.
388	G	GLOBAL	Force	Gravity	RelDist	0.
388	W	GLOBAL	Force	Gravity	RelDist	0.
388	D	GLOBAL	Force	Gravity	RelDist	0.
388	Lr	GLOBAL	Force	Gravity	RelDist	0.
389	G	GLOBAL	Force	Gravity	RelDist	0.
389	W	GLOBAL	Force	Gravity	RelDist	0.
389	D	GLOBAL	Force	Gravity	RelDist	0.
389	Lr	GLOBAL	Force	Gravity	RelDist	0.
390	G	GLOBAL	Force	Gravity	RelDist	0.
390	W	GLOBAL	Force	Gravity	RelDist	0.
390	D	GLOBAL	Force	Gravity	RelDist	0.
390	Lr	GLOBAL	Force	Gravity	RelDist	0.
391	G	GLOBAL	Force	Gravity	RelDist	0.
391	W	GLOBAL	Force	Gravity	RelDist	0.
391	D	GLOBAL	Force	Gravity	RelDist	0.
391	Lr	GLOBAL	Force	Gravity	RelDist	0.
392	G	GLOBAL	Force	Gravity	RelDist	0.
392	W	GLOBAL	Force	Gravity	RelDist	0.
392	D	GLOBAL	Force	Gravity	RelDist	0.
392	Lr	GLOBAL	Force	Gravity	RelDist	0.
393	G	GLOBAL	Force	Gravity	RelDist	0.
393	W	GLOBAL	Force	Gravity	RelDist	0.
393	D	GLOBAL	Force	Gravity	RelDist	0.
393	Lr	GLOBAL	Force	Gravity	RelDist	0.
394	G	GLOBAL	Force	Gravity	RelDist	0.
394	W	GLOBAL	Force	Gravity	RelDist	0.
394	D	GLOBAL	Force	Gravity	RelDist	0.
394	Lr	GLOBAL	Force	Gravity	RelDist	0.
395	G	GLOBAL	Force	Gravity	RelDist	0.
395	W	GLOBAL	Force	Gravity	RelDist	0.
395	D	GLOBAL	Force	Gravity	RelDist	0.
395	Lr	GLOBAL	Force	Gravity	RelDist	0.
396	G	GLOBAL	Force	Gravity	RelDist	0.
396	W	GLOBAL	Force	Gravity	RelDist	0.
396	D	GLOBAL	Force	Gravity	RelDist	0.
396	Lr	GLOBAL	Force	Gravity	RelDist	0.
397	G	GLOBAL	Force	Gravity	RelDist	0.
397	W	GLOBAL	Force	Gravity	RelDist	0.
397	D	GLOBAL	Force	Gravity	RelDist	0.
397	Lr	GLOBAL	Force	Gravity	RelDist	0.
398	G	GLOBAL	Force	Gravity	RelDist	0.
398	W	GLOBAL	Force	Gravity	RelDist	0.
398	D	GLOBAL	Force	Gravity	RelDist	0.
398	Lr	GLOBAL	Force	Gravity	RelDist	0.

Table: Frame Loads - Distributed, Part 2 of 3

Table: Frame Loads - Distributed, Part 2 of 3						
Frame	**LoadPat**	**RelDistB**	**AbsDistA**	**AbsDistB**	**FOverLA**	**FOverLB**
			m	m	Tonf/m	Tonf/m
133	G	1.	0.	3.03	0.038	0.038
133	W	1.	0.	3.03	0.055	0.055
133	D	1.	0.	3.03	0.071	0.071
133	Lr	1.	0.	3.03	0.038	0.038
134	G	1.	0.	3.26	0.038	0.038
134	W	1.	0.	3.26	0.055	0.055
134	D	1.	0.	3.26	0.071	0.071
134	Lr	1.	0.	3.26	0.038	0.038
135	G	1.	0.	3.29	0.038	0.038
135	W	1.	0.	3.29	0.055	0.055
135	D	1.	0.	3.29	0.071	0.071
135	Lr	1.	0.	3.29	0.038	0.038
136	G	1.	0.	3.24	0.038	0.038
136	W	1.	0.	3.24	0.055	0.055
136	D	1.	0.	3.24	0.071	0.071
136	Lr	1.	0.	3.24	0.038	0.038
137	G	1.	0.	3.42	0.038	0.038
137	W	1.	0.	3.42	0.055	0.055
137	D	1.	0.	3.42	0.071	0.071
137	Lr	1.	0.	3.42	0.038	0.038
138	G	1.	0.	3.03	0.038	0.038
138	W	1.	0.	3.03	0.055	0.055
138	D	1.	0.	3.03	0.071	0.071
138	Lr	1.	0.	3.03	0.038	0.038
139	G	1.	0.	3.26	0.038	0.038
139	W	1.	0.	3.26	0.055	0.055
139	D	1.	0.	3.26	0.071	0.071
139	Lr	1.	0.	3.26	0.038	0.038
140	G	1.	0.	3.29	0.038	0.038
140	W	1.	0.	3.29	0.055	0.055
140	D	1.	0.	3.29	0.071	0.071
140	Lr	1.	0.	3.29	0.038	0.038
141	G	1.	0.	3.24	0.038	0.038
141	W	1.	0.	3.24	0.055	0.055
141	D	1.	0.	3.24	0.071	0.071
141	Lr	1.	0.	3.24	0.038	0.038
142	G	1.	0.	3.42	0.038	0.038
142	W	1.	0.	3.42	0.055	0.055
142	D	1.	0.	3.42	0.071	0.071
142	Lr	1.	0.	3.42	0.038	0.038
294	G	1.	0.	3.03	0.038	0.038
294	W	1.	0.	3.03	0.055	0.055
294	D	1.	0.	3.03	0.071	0.071
294	Lr	1.	0.	3.03	0.038	0.038
295	G	1.	0.	3.26	0.038	0.038
295	W	1.	0.	3.26	0.055	0.055
295	D	1.	0.	3.26	0.071	0.071

295	Lr	1.	0.	3.26	0.038	0.038
296	G	1.	0.	3.29	0.038	0.038
296	W	1.	0.	3.29	0.055	0.055
296	D	1.	0.	3.29	0.071	0.071
296	Lr	1.	0.	3.29	0.038	0.038
297	G	1.	0.	3.24	0.038	0.038
297	W	1.	0.	3.24	0.055	0.055
297	D	1.	0.	3.24	0.071	0.071
297	Lr	1.	0.	3.24	0.038	0.038
298	G	1.	0.	3.42	0.038	0.038
298	W	1.	0.	3.42	0.055	0.055
298	D	1.	0.	3.42	0.071	0.071
298	Lr	1.	0.	3.42	0.038	0.038
299	G	1.	0.	3.03	0.038	0.038
299	W	1.	0.	3.03	0.055	0.055
299	D	1.	0.	3.03	0.071	0.071
299	Lr	1.	0.	3.03	0.038	0.038
300	G	1.	0.	3.26	0.038	0.038
300	W	1.	0.	3.26	0.055	0.055
300	D	1.	0.	3.26	0.071	0.071
300	Lr	1.	0.	3.26	0.038	0.038
301	G	1.	0.	3.29	0.038	0.038
301	W	1.	0.	3.29	0.055	0.055
301	D	1.	0.	3.29	0.071	0.071
301	Lr	1.	0.	3.29	0.038	0.038
302	G	1.	0.	3.24	0.038	0.038
302	W	1.	0.	3.24	0.055	0.055
302	D	1.	0.	3.24	0.071	0.071
302	Lr	1.	0.	3.24	0.038	0.038
303	G	1.	0.	3.42	0.038	0.038
303	W	1.	0.	3.42	0.055	0.055
303	D	1.	0.	3.42	0.071	0.071
303	Lr	1.	0.	3.42	0.038	0.038
304	G	1.	0.	3.03	0.038	0.038
304	W	1.	0.	3.03	0.055	0.055
304	D	1.	0.	3.03	0.071	0.071
304	Lr	1.	0.	3.03	0.038	0.038
305	G	1.	0.	3.26	0.038	0.038
305	W	1.	0.	3.26	0.055	0.055
305	D	1.	0.	3.26	0.071	0.071
305	Lr	1.	0.	3.26	0.038	0.038
306	G	1.	0.	3.29	0.038	0.038
306	W	1.	0.	3.29	0.055	0.055
306	D	1.	0.	3.29	0.071	0.071
306	Lr	1.	0.	3.29	0.038	0.038
307	G	1.	0.	3.24	0.038	0.038
307	W	1.	0.	3.24	0.055	0.055
307	D	1.	0.	3.24	0.071	0.071
307	Lr	1.	0.	3.24	0.038	0.038
308	G	1.	0.	3.42	0.038	0.038
308	W	1.	0.	3.42	0.055	0.055
308	D	1.	0.	3.42	0.071	0.071

308	Lr	1.	0.	3.42	0.038	0.038
309	G	1.	0.	3.03	0.038	0.038
309	W	1.	0.	3.03	0.055	0.055
309	D	1.	0.	3.03	0.071	0.071
309	Lr	1.	0.	3.03	0.038	0.038
310	G	1.	0.	3.26	0.038	0.038
310	W	1.	0.	3.26	0.055	0.055
310	D	1.	0.	3.26	0.071	0.071
310	Lr	1.	0.	3.26	0.038	0.038
311	G	1.	0.	3.29	0.038	0.038
311	W	1.	0.	3.29	0.055	0.055
311	D	1.	0.	3.29	0.071	0.071
311	Lr	1.	0.	3.29	0.038	0.038
312	G	1.	0.	3.24	0.038	0.038
312	W	1.	0.	3.24	0.055	0.055
312	D	1.	0.	3.24	0.071	0.071
312	Lr	1.	0.	3.24	0.038	0.038
313	G	1.	0.	3.42	0.038	0.038
313	W	1.	0.	3.42	0.055	0.055
313	D	1.	0.	3.42	0.071	0.071
313	Lr	1.	0.	3.42	0.038	0.038
314	G	1.	0.	3.03	0.038	0.038
314	W	1.	0.	3.03	0.055	0.055
314	D	1.	0.	3.03	0.071	0.071
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315	D	1.	0.	3.26	0.071	0.071
315	Lr	1.	0.	3.26	0.038	0.038
316	G	1.	0.	3.29	0.038	0.038
316	W	1.	0.	3.29	0.055	0.055
316	D	1.	0.	3.29	0.071	0.071
316	Lr	1.	0.	3.29	0.038	0.038
317	G	1.	0.	3.24	0.038	0.038
317	W	1.	0.	3.24	0.055	0.055
317	D	1.	0.	3.24	0.071	0.071
317	Lr	1.	0.	3.24	0.038	0.038
318	G	1.	0.	3.42	0.038	0.038
318	W	1.	0.	3.42	0.055	0.055
318	D	1.	0.	3.42	0.071	0.071
318	Lr	1.	0.	3.42	0.038	0.038
319	G	1.	0.	3.03	0.038	0.038
319	W	1.	0.	3.03	0.055	0.055
319	D	1.	0.	3.03	0.071	0.071
319	Lr	1.	0.	3.03	0.038	0.038
320	G	1.	0.	3.26	0.038	0.038
320	W	1.	0.	3.26	0.055	0.055
320	D	1.	0.	3.26	0.071	0.071
320	Lr	1.	0.	3.26	0.038	0.038
321	G	1.	0.	3.29	0.038	0.038
321	W	1.	0.	3.29	0.055	0.055
321	D	1.	0.	3.29	0.071	0.071

321	Lr	1.	0.	3.29	0.038	0.038
322	G	1.	0.	3.24	0.038	0.038
322	W	1.	0.	3.24	0.055	0.055
322	D	1.	0.	3.24	0.071	0.071
322	Lr	1.	0.	3.24	0.038	0.038
323	G	1.	0.	3.42	0.038	0.038
323	W	1.	0.	3.42	0.055	0.055
323	D	1.	0.	3.42	0.071	0.071
323	Lr	1.	0.	3.42	0.038	0.038
324	G	1.	0.	3.03	0.038	0.038
324	W	1.	0.	3.03	0.055	0.055
324	D	1.	0.	3.03	0.071	0.071
324	Lr	1.	0.	3.03	0.038	0.038
325	G	1.	0.	3.26	0.038	0.038
325	W	1.	0.	3.26	0.055	0.055
325	D	1.	0.	3.26	0.071	0.071
325	Lr	1.	0.	3.26	0.038	0.038
326	G	1.	0.	3.29	0.038	0.038
326	W	1.	0.	3.29	0.055	0.055
326	D	1.	0.	3.29	0.071	0.071
326	Lr	1.	0.	3.29	0.038	0.038
327	G	1.	0.	3.24	0.038	0.038
327	W	1.	0.	3.24	0.055	0.055
327	D	1.	0.	3.24	0.071	0.071
327	Lr	1.	0.	3.24	0.038	0.038
328	G	1.	0.	3.42	0.038	0.038
328	W	1.	0.	3.42	0.055	0.055
328	D	1.	0.	3.42	0.071	0.071
328	Lr	1.	0.	3.42	0.038	0.038
329	G	1.	0.	3.03	0.038	0.038
329	W	1.	0.	3.03	0.055	0.055
329	D	1.	0.	3.03	0.071	0.071
329	Lr	1.	0.	3.03	0.038	0.038
330	G	1.	0.	3.26	0.038	0.038
330	W	1.	0.	3.26	0.055	0.055
330	D	1.	0.	3.26	0.071	0.071
330	Lr	1.	0.	3.26	0.038	0.038
331	G	1.	0.	3.29	0.038	0.038
331	W	1.	0.	3.29	0.055	0.055
331	D	1.	0.	3.29	0.071	0.071
331	Lr	1.	0.	3.29	0.038	0.038
332	G	1.	0.	3.24	0.038	0.038
332	W	1.	0.	3.24	0.055	0.055
332	D	1.	0.	3.24	0.071	0.071
332	Lr	1.	0.	3.24	0.038	0.038
333	G	1.	0.	3.42	0.038	0.038
333	W	1.	0.	3.42	0.055	0.055
333	D	1.	0.	3.42	0.071	0.071
333	Lr	1.	0.	3.42	0.038	0.038
334	G	1.	0.	3.03	0.038	0.038
334	W	1.	0.	3.03	0.055	0.055
334	D	1.	0.	3.03	0.071	0.071

334	Lr	1.	0.	3.03	0.038	0.038
335	G	1.	0.	3.26	0.038	0.038
335	W	1.	0.	3.26	0.055	0.055
335	D	1.	0.	3.26	0.071	0.071
335	Lr	1.	0.	3.26	0.038	0.038
336	G	1.	0.	3.29	0.038	0.038
336	W	1.	0.	3.29	0.055	0.055
336	D	1.	0.	3.29	0.071	0.071
336	Lr	1.	0.	3.29	0.038	0.038
337	G	1.	0.	3.24	0.038	0.038
337	W	1.	0.	3.24	0.055	0.055
337	D	1.	0.	3.24	0.071	0.071
337	Lr	1.	0.	3.24	0.038	0.038
338	G	1.	0.	3.42	0.038	0.038
338	W	1.	0.	3.42	0.055	0.055
338	D	1.	0.	3.42	0.071	0.071
338	Lr	1.	0.	3.42	0.038	0.038
339	G	1.	0.	3.03	0.038	0.038
339	W	1.	0.	3.03	0.055	0.055
339	D	1.	0.	3.03	0.071	0.071
339	Lr	1.	0.	3.03	0.038	0.038
340	G	1.	0.	3.26	0.038	0.038
340	W	1.	0.	3.26	0.055	0.055
340	D	1.	0.	3.26	0.071	0.071
340	Lr	1.	0.	3.26	0.038	0.038
341	G	1.	0.	3.29	0.038	0.038
341	W	1.	0.	3.29	0.055	0.055
341	D	1.	0.	3.29	0.071	0.071
341	Lr	1.	0.	3.29	0.038	0.038
342	G	1.	0.	3.24	0.038	0.038
342	W	1.	0.	3.24	0.055	0.055
342	D	1.	0.	3.24	0.071	0.071
342	Lr	1.	0.	3.24	0.038	0.038
343	G	1.	0.	3.42	0.038	0.038
343	W	1.	0.	3.42	0.055	0.055
343	D	1.	0.	3.42	0.071	0.071
343	Lr	1.	0.	3.42	0.038	0.038
344	G	1.	0.	3.03	0.038	0.038
344	W	1.	0.	3.03	0.055	0.055
344	D	1.	0.	3.03	0.071	0.071
344	Lr	1.	0.	3.03	0.038	0.038
345	G	1.	0.	3.26	0.038	0.038
345	W	1.	0.	3.26	0.055	0.055
345	D	1.	0.	3.26	0.071	0.071
345	Lr	1.	0.	3.26	0.038	0.038
346	G	1.	0.	3.29	0.038	0.038
346	W	1.	0.	3.29	0.055	0.055
346	D	1.	0.	3.29	0.071	0.071
346	Lr	1.	0.	3.29	0.038	0.038
347	G	1.	0.	3.24	0.038	0.038
347	W	1.	0.	3.24	0.055	0.055
347	D	1.	0.	3.24	0.071	0.071

347	Lr	1.	0.	3.24	0.038	0.038
348	G	1.	0.	3.42	0.038	0.038
348	W	1.	0.	3.42	0.055	0.055
348	D	1.	0.	3.42	0.071	0.071
348	Lr	1.	0.	3.42	0.038	0.038
349	G	1.	0.	3.03	0.038	0.038
349	W	1.	0.	3.03	0.055	0.055
349	D	1.	0.	3.03	0.071	0.071
349	Lr	1.	0.	3.03	0.038	0.038
350	G	1.	0.	3.26	0.038	0.038
350	W	1.	0.	3.26	0.055	0.055
350	D	1.	0.	3.26	0.071	0.071
350	Lr	1.	0.	3.26	0.038	0.038
351	G	1.	0.	3.29	0.038	0.038
351	W	1.	0.	3.29	0.055	0.055
351	D	1.	0.	3.29	0.071	0.071
351	Lr	1.	0.	3.29	0.038	0.038
352	G	1.	0.	3.24	0.038	0.038
352	W	1.	0.	3.24	0.055	0.055
352	D	1.	0.	3.24	0.071	0.071
352	Lr	1.	0.	3.24	0.038	0.038
353	G	1.	0.	3.42	0.038	0.038
353	W	1.	0.	3.42	0.055	0.055
353	D	1.	0.	3.42	0.071	0.071
353	Lr	1.	0.	3.42	0.038	0.038
354	G	1.	0.	3.03	0.038	0.038
354	W	1.	0.	3.03	0.055	0.055
354	D	1.	0.	3.03	0.071	0.071
354	Lr	1.	0.	3.03	0.038	0.038
355	G	1.	0.	3.26	0.038	0.038
355	W	1.	0.	3.26	0.055	0.055
355	D	1.	0.	3.26	0.071	0.071
355	Lr	1.	0.	3.26	0.038	0.038
356	G	1.	0.	3.29	0.038	0.038
356	W	1.	0.	3.29	0.055	0.055
356	D	1.	0.	3.29	0.071	0.071
356	Lr	1.	0.	3.29	0.038	0.038
357	G	1.	0.	3.24	0.038	0.038
357	W	1.	0.	3.24	0.055	0.055
357	D	1.	0.	3.24	0.071	0.071
357	Lr	1.	0.	3.24	0.038	0.038
358	G	1.	0.	3.42	0.038	0.038
358	W	1.	0.	3.42	0.055	0.055
358	D	1.	0.	3.42	0.071	0.071
358	Lr	1.	0.	3.42	0.038	0.038
359	G	1.	0.	3.03	0.038	0.038
359	W	1.	0.	3.03	0.055	0.055
359	D	1.	0.	3.03	0.071	0.071
359	Lr	1.	0.	3.03	0.038	0.038
360	G	1.	0.	3.26	0.038	0.038
360	W	1.	0.	3.26	0.055	0.055
360	D	1.	0.	3.26	0.071	0.071

360	Lr	1.	0.	3.26	0.038	0.038
361	G	1.	0.	3.29	0.038	0.038
361	W	1.	0.	3.29	0.055	0.055
361	D	1.	0.	3.29	0.071	0.071
361	Lr	1.	0.	3.29	0.038	0.038
362	G	1.	0.	3.24	0.038	0.038
362	W	1.	0.	3.24	0.055	0.055
362	D	1.	0.	3.24	0.071	0.071
362	Lr	1.	0.	3.24	0.038	0.038
363	G	1.	0.	3.42	0.038	0.038
363	W	1.	0.	3.42	0.055	0.055
363	D	1.	0.	3.42	0.071	0.071
363	Lr	1.	0.	3.42	0.038	0.038
364	G	1.	0.	3.03	0.038	0.038
364	W	1.	0.	3.03	0.055	0.055
364	D	1.	0.	3.03	0.071	0.071
364	Lr	1.	0.	3.03	0.038	0.038
365	G	1.	0.	3.26	0.038	0.038
365	W	1.	0.	3.26	0.055	0.055
365	D	1.	0.	3.26	0.071	0.071
365	Lr	1.	0.	3.26	0.038	0.038
366	G	1.	0.	3.29	0.038	0.038
366	W	1.	0.	3.29	0.055	0.055
366	D	1.	0.	3.29	0.071	0.071
366	Lr	1.	0.	3.29	0.038	0.038
367	G	1.	0.	3.24	0.038	0.038
367	W	1.	0.	3.24	0.055	0.055
367	D	1.	0.	3.24	0.071	0.071
367	Lr	1.	0.	3.24	0.038	0.038
368	G	1.	0.	3.42	0.038	0.038
368	W	1.	0.	3.42	0.055	0.055
368	D	1.	0.	3.42	0.071	0.071
368	Lr	1.	0.	3.42	0.038	0.038
369	G	1.	0.	3.03	0.038	0.038
369	W	1.	0.	3.03	0.055	0.055
369	D	1.	0.	3.03	0.071	0.071
369	Lr	1.	0.	3.03	0.038	0.038
370	G	1.	0.	3.26	0.038	0.038
370	W	1.	0.	3.26	0.055	0.055
370	D	1.	0.	3.26	0.071	0.071
370	Lr	1.	0.	3.26	0.038	0.038
371	G	1.	0.	3.29	0.038	0.038
371	W	1.	0.	3.29	0.055	0.055
371	D	1.	0.	3.29	0.071	0.071
371	Lr	1.	0.	3.29	0.038	0.038
372	G	1.	0.	3.24	0.038	0.038
372	W	1.	0.	3.24	0.055	0.055
372	D	1.	0.	3.24	0.071	0.071
372	Lr	1.	0.	3.24	0.038	0.038
373	G	1.	0.	3.42	0.038	0.038
373	W	1.	0.	3.42	0.055	0.055
373	D	1.	0.	3.42	0.071	0.071

373	Lr	1.	0.	3.42	0.038	0.038
374	G	1.	0.	3.03	0.038	0.038
374	W	1.	0.	3.03	0.055	0.055
374	D	1.	0.	3.03	0.071	0.071
374	Lr	1.	0.	3.03	0.038	0.038
375	G	1.	0.	3.26	0.038	0.038
375	W	1.	0.	3.26	0.055	0.055
375	D	1.	0.	3.26	0.071	0.071
375	Lr	1.	0.	3.26	0.038	0.038
376	G	1.	0.	3.29	0.038	0.038
376	W	1.	0.	3.29	0.055	0.055
376	D	1.	0.	3.29	0.071	0.071
376	Lr	1.	0.	3.29	0.038	0.038
377	G	1.	0.	3.24	0.038	0.038
377	W	1.	0.	3.24	0.055	0.055
377	D	1.	0.	3.24	0.071	0.071
377	Lr	1.	0.	3.24	0.038	0.038
378	G	1.	0.	3.42	0.038	0.038
378	W	1.	0.	3.42	0.055	0.055
378	D	1.	0.	3.42	0.071	0.071
378	Lr	1.	0.	3.42	0.038	0.038
379	G	1.	0.	3.03	0.038	0.038
379	W	1.	0.	3.03	0.055	0.055
379	D	1.	0.	3.03	0.071	0.071
379	Lr	1.	0.	3.03	0.038	0.038
380	G	1.	0.	3.26	0.038	0.038
380	W	1.	0.	3.26	0.055	0.055
380	D	1.	0.	3.26	0.071	0.071
380	Lr	1.	0.	3.26	0.038	0.038
381	G	1.	0.	3.29	0.038	0.038
381	W	1.	0.	3.29	0.055	0.055
381	D	1.	0.	3.29	0.071	0.071
381	Lr	1.	0.	3.29	0.038	0.038
382	G	1.	0.	3.24	0.038	0.038
382	W	1.	0.	3.24	0.055	0.055
382	D	1.	0.	3.24	0.071	0.071
382	Lr	1.	0.	3.24	0.038	0.038
383	G	1.	0.	3.42	0.038	0.038
383	W	1.	0.	3.42	0.055	0.055
383	D	1.	0.	3.42	0.071	0.071
383	Lr	1.	0.	3.42	0.038	0.038
384	G	1.	0.	3.03	0.038	0.038
384	W	1.	0.	3.03	0.055	0.055
384	D	1.	0.	3.03	0.071	0.071
384	Lr	1.	0.	3.03	0.038	0.038
385	G	1.	0.	3.26	0.038	0.038
385	W	1.	0.	3.26	0.055	0.055
385	D	1.	0.	3.26	0.071	0.071
385	Lr	1.	0.	3.26	0.038	0.038
386	G	1.	0.	3.29	0.038	0.038
386	W	1.	0.	3.29	0.055	0.055
386	D	1.	0.	3.29	0.071	0.071

386	Lr	1.	0.	3.29	0.038	0.038
387	G	1.	0.	3.24	0.038	0.038
387	W	1.	0.	3.24	0.055	0.055
387	D	1.	0.	3.24	0.071	0.071
387	Lr	1.	0.	3.24	0.038	0.038
388	G	1.	0.	3.42	0.038	0.038
388	W	1.	0.	3.42	0.055	0.055
388	D	1.	0.	3.42	0.071	0.071
388	Lr	1.	0.	3.42	0.038	0.038
389	G	1.	0.	3.03	0.038	0.038
389	W	1.	0.	3.03	0.055	0.055
389	D	1.	0.	3.03	0.071	0.071
389	Lr	1.	0.	3.03	0.038	0.038
390	G	1.	0.	3.26	0.038	0.038
390	W	1.	0.	3.26	0.055	0.055
390	D	1.	0.	3.26	0.071	0.071
390	Lr	1.	0.	3.26	0.038	0.038
391	G	1.	0.	3.29	0.038	0.038
391	W	1.	0.	3.29	0.055	0.055
391	D	1.	0.	3.29	0.071	0.071
391	Lr	1.	0.	3.29	0.038	0.038
392	G	1.	0.	3.24	0.038	0.038
392	W	1.	0.	3.24	0.055	0.055
392	D	1.	0.	3.24	0.071	0.071
392	Lr	1.	0.	3.24	0.038	0.038
393	G	1.	0.	3.42	0.038	0.038
393	W	1.	0.	3.42	0.055	0.055
393	D	1.	0.	3.42	0.071	0.071
393	Lr	1.	0.	3.42	0.038	0.038
394	G	1.	0.	3.03	0.038	0.038
394	W	1.	0.	3.03	0.055	0.055
394	D	1.	0.	3.03	0.071	0.071
394	Lr	1.	0.	3.03	0.038	0.038
395	G	1.	0.	3.26	0.038	0.038
395	W	1.	0.	3.26	0.055	0.055
395	D	1.	0.	3.26	0.071	0.071
395	Lr	1.	0.	3.26	0.038	0.038
396	G	1.	0.	3.29	0.038	0.038
396	W	1.	0.	3.29	0.055	0.055
396	D	1.	0.	3.29	0.071	0.071
396	Lr	1.	0.	3.29	0.038	0.038
397	G	1.	0.	3.24	0.038	0.038
397	W	1.	0.	3.24	0.055	0.055
397	D	1.	0.	3.24	0.071	0.071
397	Lr	1.	0.	3.24	0.038	0.038
398	G	1.	0.	3.42	0.038	0.038
398	W	1.	0.	3.42	0.055	0.055
398	D	1.	0.	3.42	0.071	0.071
398	Lr	1.	0.	3.42	0.038	0.038

Table: Frame Loads - Distributed, Part 3 of 3

Table: Frame Loads - Distributed, Part 3 of 3		
Frame	**LoadPat**	**GUID**
133	G	f8c0686a-ee70-47ca-bd18-266baba8b2a5
133	W	b6499201-844c-44c2-b6a3-75c64442a687
133	D	5d5ca8d9-6669-47f4-b7de-667822dbc94e
133	Lr	0b150698-568b-4e49-bf18-bcce8e8aebb7
134	G	4ab7c938-e4e2-4f68-81fd-32fa4a749087
134	W	35f6078e-b3a8-4723-954f-61ce385cb54f
134	D	ba77ced2-3543-4b17-830f-33c73817b5a0
134	Lr	239cfea7-5a22-418d-adc2-fea92cb6d138
135	G	8a97185a-7692-4993-8be8-c7ae18078be5
135	W	4ec21173-29da-4fa8-8ffb-2f4641b1bd2d
135	D	49beaee9-52f0-4175-bbd5-71addde8a997
135	Lr	726a9ca8-3123-46bd-9de8-935e0d70735c
136	G	dcfaaeb1-f9bf-46a3-9a52-53ebd2639117
136	W	778e0e4e-5aa1-4865-af65-32c888a278aa
136	D	0aa416c8-07fa-43fa-b372-953d2ff9af0d
136	Lr	6435a6ee-e419-4a8a-aa0d-9243341cb048
137	G	6453b9df-7bd1-45b1-a005-abb4cd753ff7
137	W	e979f82b-14d7-42f8-a807-4995ee2bb08d
137	D	db59d015-e2a0-40dc-b860-8f8887506b3d
137	Lr	c9c8e35e-b967-43af-98ad-2058460ec873
138	G	96464d55-f254-47c9-a8ea-0ee7c77ab1db
138	W	7f6e40fe-5649-4fdc-9fd7-8910c488ac0a
138	D	76da1fee-42cd-418f-96ae-aa68fd7ce6fb
138	Lr	ec40dd06-2116-4bc5-a723-ac5980773e36
139	G	1190e7e3-972f-4523-92e6-64c256d6318a
139	W	3d7ec658-04bd-45dc-ba80-ec166b9d47d0
139	D	dc6f36ee-6f40-4859-9071-f7bb1eceae54
139	Lr	391c51d6-356d-45ef-8fa5-aaca063b46d9
140	G	29f6577e-67bf-4bc2-8009-24a80262d129
140	W	52b09365-7a47-4cab-b8b7-d028eaeed396
140	D	04efdc9c-2814-4723-8fd2-8c1807e1d42c
140	Lr	34683f4e-65e4-44fe-9711-976613927046
141	G	96467055-621e-4478-b179-dafc145cbadf
141	W	af50b370-8db5-40a1-9ac6-c345e682f9f1
141	D	178a0166-b92d-4fd3-bf3b-df945d265bb4
141	Lr	b27c7202-a2a3-4be6-bee9-e96446ef3105
142	G	ad47f7db-ec5b-4fd0-a9a0-bff634aa6e80
142	W	6718404c-b49c-4770-abb1-12221d9ebe5e
142	D	83baf26d-b0f2-478d-90d1-02e97b12d616
142	Lr	430bba96-3ec3-49f1-8925-388101a01f37
294	G	ac0ba1de-01b0-4c98-8b21-6adf01552ae9
294	W	ac841ce0-19f4-460b-bb17-3a02ec0426fa
294	D	82531818-3962-43dc-9811-8b637ef2741b
294	Lr	5566a4e3-ff9e-45f3-8049-58c7ea01e951
295	G	20b8893a-20ca-4157-b7d0-c10530a657a5
295	W	e6884490-6617-40f5-8f31-210ef5918405
295	D	5b41f757-2574-4a5f-9dfd-b859dee647a4

295	Lr	33c92b4d-e97a-46e1-ac1b-4bf2e1d74493
296	G	c21d1b4e-2598-4ed9-9eec-6b7d6e6a96de
296	W	0ee53799-008c-4751-8fcc-b1b9b8518d18
296	D	ceb40448-b2d0-463d-88e5-1cae8397a868
296	Lr	59586268-877d-40b6-a241-1c2524b256bf
297	G	54f6bf8f-d3c0-47a6-87e0-d9b362e17334
297	W	ca9e6631-d49e-42a9-9d4d-c17a0c14798e
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297	Lr	2ea20d3d-e990-472f-b849-0c8947914c16
298	G	3b7e9259-40ce-4708-972f-e3565a046c55
298	W	54316528-c80a-4112-8e99-72810c117a43
298	D	36c38e4b-beda-4782-9bf3-4d9134b48ccc
298	Lr	3b615705-e850-4f44-9ca1-bec83fd3b88f
299	G	dcd21926-79f1-4007-8d46-e3af6afdac86
299	W	aecf4a12-2d08-4b1a-aee9-34d76db23042
299	D	eaa80a9f-85d7-4d39-b471-c45f349f4d00
299	Lr	7edbd226-4d39-4541-bd13-1e09d0b49ee0
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300	W	cf3967d8-12bc-412c-8c63-703e0157a049
300	D	41eb6678-e4c0-4f4c-8001-30b8e2d9bc33
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301	G	2f81feb3-b64e-43fd-833c-21a291c5e504
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301	D	e1255e8b-7ad3-4e40-9543-fcd00f65bade
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302	G	390b3802-2543-409f-9a2b-04057e3c921e
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302	D	4bc28c71-001b-4a3d-b912-8319ac9c5121
302	Lr	8a41c365-1d08-43ae-bc20-a04b3d774e87
303	G	9a590b87-7343-4e05-ab7c-1dc97c41ed95
303	W	346c282d-0a58-4e91-9982-037daa35e2f5
303	D	85c22b62-71d6-48e8-b302-3adb954529bf
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304	G	21346ed1-935a-4792-b98f-d65cea8995df
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304	Lr	6a4b84f5-c0cc-49b6-a78b-e6ea2b912e06
305	G	3d8a1a01-4639-4c87-8f6a-f6fdeaf8937d
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305	D	9542cc7d-6809-4769-82ea-387c27d08b22
305	Lr	1dc5b375-c6e2-4813-a8ca-2bcdb5dbc9d8
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306	W	77941a53-81e8-4f73-8f1c-a05e1753eb69
306	D	deaa08fc-0ba9-4c40-a564-0f5666c9b480
306	Lr	3a2c44cd-f632-40dc-95be-6dd40e68f3fa
307	G	170aac77-2d91-4592-8184-4c30fea0766b
307	W	f2aab414-be9d-4766-a8dc-a2548d25bcb8
307	D	d2f3ef31-ed0f-4716-8db8-63c412824cd3
307	Lr	76115c4d-1a74-404f-bc3e-3d81f3aba1db
308	G	4b8af143-86e1-4c40-9a29-3aba93ebd04f
308	W	a97c3eed-5b48-457d-95a4-cc98644b1634
308	D	a24e4a43-b5f1-4946-8b4a-9a7a8e6de71d

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309	W	3da85739-bbd1-4c0e-824e-4fa60edbc9e8
309	D	3b16af0c-3509-42f5-a349-cc0250cbfaf1
309	Lr	5d1ffc99-2a31-4723-a310-fe8e4263cd74
310	G	dc27517f-8069-440d-961c-52c64ab3aa61
310	W	ebd88cdb-22ad-449b-b4ae-fce62d80d051
310	D	98bd73e2-53a2-4ebd-9044-cd7953b8a3b9
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311	G	48ed5c1c-93b4-4ba4-bb76-31e195d6d6bc
311	W	aa663a95-91a3-4ffa-a864-cb0e72434cdd
311	D	348df0b5-e516-4f20-a7cc-c39682b5e14c
311	Lr	5d1f238b-35c3-4624-a758-065c116578f7
312	G	9a42d421-6815-4e42-be7a-9537fd9d7123
312	W	5ec7dab0-4fa5-4230-bf28-31c1d37bbaf0
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312	Lr	711a5c00-4dc5-475d-a95f-602f056e94c4
313	G	88987798-e83c-400d-aa3e-60e5521e6ac1
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313	D	b2db403f-1e0c-49e0-bed2-1e7c7a087f94
313	Lr	d7aa71c7-80e9-4607-a36f-9ed67cb11af9
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314	W	1f62bd0a-b87d-46bc-b872-2a410e70787a
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315	G	47291829-fc06-488d-9ccc-302a98c7e17c
315	W	f659cb7c-fd93-47c4-b4b6-1dd384479ee0
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317	G	6e8a9edb-edd6-4b28-9324-d83e809622b8
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319	G	793564b0-f9a6-41f7-be4a-8ef9f35e340b
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319	D	ab7b5dd7-1590-43ab-b3b9-2c0745b40a47
319	Lr	2dd6d9db-59ac-44b1-a340-76b1c90eb9e2
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320	W	921666c5-a857-4236-bffc-dc0331228b3b
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321	G	39b0260d-6379-404c-ba71-95d725b4b718
321	W	0b050a2f-4c06-43ea-b271-184136c0f0c8
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322	D	3dbb38cc-7f1f-487f-b3a8-0e10ba02111d
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323	G	7c4aab82-9676-41e9-9ad6-f2c1bff9065f
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324	G	ae5b2574-4974-447b-81ff-2f29e20b2460
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326	W	d1b7ed7a-b082-44a1-8c29-1f1c8992b92c
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337	Lr	1a806637-c10c-4acf-a502-c233a58eead7
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346	D	580fcd70-22c4-4eb4-89bb-1bd984c22df7
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352	D	5a623287-b564-4842-b8b4-2a37c773d979
352	Lr	25df351d-cfad-4bc5-8836-9cca868ed54c
353	G	cfb86aa7-7af1-4bf4-9c86-7964c490cd4a
353	W	09b07b39-775e-4bf9-83af-f220197d819d
353	D	026a1d15-638d-4bc0-853d-0b2a5bc70d9c
353	Lr	b3662ce9-1056-4325-9a6d-a7b5c1f56b44
354	G	f72a22f3-789b-4838-9cab-f7b2153e8b19
354	W	a9ddf553-986a-4724-994b-b622747cd0fa
354	D	71552b20-42d0-4959-ae69-34df72122aa0
354	Lr	f9821a20-9800-4cad-801d-de969a5d1ffa
355	G	8159452a-47cd-4467-a2dc-18b6225ed3c7
355	W	b0896d4f-4978-426d-b8b5-9da2bb128eb4
355	D	491614cb-8f72-4980-8e85-6b53a41db60d
355	Lr	a5de9e7e-69bf-4549-8a85-852580b314e5
356	G	917c4e9f-88b6-45ad-81e5-c90bba9e7d49
356	W	d2a579af-041d-4c3c-9e0f-9d4475e04a94
356	D	aab8f970-1aa8-4e3d-ad16-3b9e21bb485b
356	Lr	b92fdaf7-3791-4e67-81df-ad9f0a4a36f3
357	G	bcb54516-ec88-4842-bdee-66b2ee61a639
357	W	cf7a7839-d4fa-4535-963b-f41e244782b4
357	D	08de5465-4632-4a32-b7e0-ff7cdcc5fde6
357	Lr	d1a3ccc5-eb7b-4f84-adff-f8cad47d2f41
358	G	876d1b88-20b0-4af5-bfb0-e85ed164765d
358	W	988be495-4a6f-440d-b332-6959008e6206
358	D	3382e678-6cac-48cb-b677-b41be47777f6
358	Lr	21a4ab85-fd29-4d59-aca1-5797224a1918
359	G	8068b15f-be04-4752-ad6a-e133a00bd6be
359	W	d7ccfe6e-b7bf-4af1-b2f9-41b7ef953b3d
359	D	05e8a0fd-97de-44ed-89aa-3ec5bc19dbd0
359	Lr	6312fd4a-a215-4c78-9223-7b850f493327
360	G	8ae07461-c4e4-4bba-8da2-eaa1831fd67e
360	W	40a2e6a5-0e52-44ff-8888-33fe0399c59f
360	D	5d9fcd8c-bb15-43cc-aaf2-9eccf2402187

360	Lr	b54431da-02f3-448b-929d-8751fd6f4d4e
361	G	9f692303-73e0-4ed0-880f-cb784dc34d95
361	W	9bae30f2-a6c6-4ec2-9bd3-b429ad546e4c
361	D	f234d3f2-5953-4383-a869-6634bb7b2909
361	Lr	ba86603d-16ee-4ce1-911f-450d28b60a4d
362	G	8dd85923-cace-4da6-96ea-533fa9b7a278
362	W	28cb9dd5-4407-4fdb-b7cc-937420144c29
362	D	e3f3938f-ac7c-4609-ae1c-3af3ae8bf9a4
362	Lr	67dba26c-53ad-487e-ba91-a37bdc1757ae
363	G	e84ac8f3-e754-4b0a-9638-7174ea7a833b
363	W	293c693c-92ff-4513-997a-d328f91f7f83
363	D	9043a6af-18d4-4026-9b6c-8a9d07abca1e
363	Lr	a0b26918-5d7e-42db-847a-ac705eaff978
364	G	46e10000-9064-46a4-9cfc-c1bbd6abc537
364	W	31a0b72d-68bf-41fc-bb65-97b557f1a18c
364	D	d6ae729b-8784-443f-957d-76304f1f1db4
364	Lr	af232552-fbb7-4701-a925-2634ccb1aa25
365	G	28090d57-d760-48f2-ae10-cb199ab22261
365	W	394621a1-c80f-4199-9814-e35ac712c4b4
365	D	2ab4970a-aff3-45b5-a964-b892bd90f152
365	Lr	badc6043-b0c6-4aaa-80ff-0bae01f8f56c
366	G	d92b1a5d-b49d-4d82-ad61-7ab1cb44c9a6
366	W	65b081a9-5ad3-418a-9c18-e4acf2b31b5e
366	D	6d8fbc92-278d-427d-b5f8-3e2438ba9080
366	Lr	448889f4-6a02-428f-a260-755ca28430c0
367	G	b4dbf2e0-26af-4a90-937f-bf80f3a784f0
367	W	bc52083a-5538-4343-a48f-c658a519a0da
367	D	cd0f6771-7b9b-4bed-a0b2-95bc3e418a2b
367	Lr	b4e96ad9-421f-459c-8f54-547fcc9b5538
368	G	44e963d8-ec41-4481-9bf1-f0d8156731b8
368	W	b7dc0ccb-ee80-4940-aed5-4b396c48fd7a
368	D	f210660e-7d4d-402a-a67b-c62650cc2c4b
368	Lr	d9183228-85dc-4b44-aea5-f84f44404567
369	G	29de0c44-5564-4c5d-a955-2cf0a46a4411
369	W	42ffd9e3-16b6-4891-90bd-6009bd2c8829
369	D	7e98e4cb-96ed-4003-90ea-c80264e473b6
369	Lr	e8ffcc08-fb77-4488-9646-72490dd469bc
370	G	3fdeb5c0-4244-4ccd-a125-57abbc244a32
370	W	4793b5cb-35c0-4aae-8c8c-e18907dd04b2
370	D	d83b9cbc-1a86-4b36-ba31-a9e820d1f1bc
370	Lr	d2ad1e13-b943-4357-9616-5dc778d9b2f7
371	G	9b7723c4-01bb-4db2-bbb2-7950c31a667e
371	W	22e82dee-051b-4b53-95e7-02b0077c7368
371	D	5069bebd-a5b2-43b5-a557-d363b5b427de
371	Lr	db3fedde-56e2-4f14-b6af-627b927cd962
372	G	6c96cb6c-0970-4992-9187-ed9b5f38f311
372	W	6546ebc1-2d3f-4673-b654-2f66aa11d579
372	D	d84f8ffb-f0cc-4f2e-9f68-475303dfdbbe
372	Lr	bdb5e44a-a332-419e-9f22-de557652eae1
373	G	824046ad-fcf0-4423-a027-15d8f0f1463f
373	W	fa04b19a-ba5a-4b7d-8dff-8b32f37d0514
373	D	ca1499dc-bf44-4118-9d6a-f4e1100b95a2

373	Lr	e7f0e0cc-6783-4de1-8ac6-7fd6cc4dde72
374	G	713532cc-162c-46ea-ab56-ce7e9d06709e
374	W	e631f1e1-601a-4748-9027-bce1d96dfb78
374	D	abebb9be-dedb-4c8b-b91e-bf563512e42c
374	Lr	01b934b2-d92e-4a08-abf6-b015c0debb3b
375	G	ecce36d3-f347-4c01-9482-847427785aaf
375	W	b36e613f-3a04-4bf6-b6cd-08aa74191d56
375	D	fad11e5d-e9ee-49ed-83eb-ac143f77abed
375	Lr	55f3438a-38c7-439f-b7bf-8a1e9ac1b591
376	G	09978b54-1565-4891-a22e-9913e7886590
376	W	dbec606a-125c-4e5f-85c9-a9268ec13fa0
376	D	49d1604c-a914-4871-b009-856a7cd5f281
376	Lr	5ab41342-cfd9-49e2-add8-b1d6ce12b3f2
377	G	50b19397-277b-46df-9cb2-f29cb07afe51
377	W	75cf2de0-3072-4a97-b67c-c1c120eeb79a
377	D	28a17083-84ba-44e8-8ed7-f7e7c2f2b8b7
377	Lr	15bba41c-ec6a-4af8-9103-c55efb9303c7
378	G	23127802-ca12-4bec-b7f2-2fb8d8f0a892
378	W	f7c00a6c-f3a1-47af-85e9-6afda3f0bdfb
378	D	86be8684-4378-41d5-9495-277b40c88141
378	Lr	4a8f7042-9c50-4017-8291-ad9dd07c72a1
379	G	2d9f9baf-2c3f-4b3e-94a0-67350b26c60a
379	W	b8cfe49c-7264-442d-9824-8121154e1426
379	D	0c791102-f2e7-4678-b7f3-ce697db6d6d5
379	Lr	e7669b59-1359-4233-94c6-bfeaa75f9ec4
380	G	809e778b-bd62-44cc-b736-3a26fb1a4bad
380	W	ac3e0f11-3faa-4485-8aca-9309e53bcd51
380	D	6f853b30-39d5-40f8-93a2-ecfd31cb714f
380	Lr	876f3abb-210c-4bc2-acca-8959c2bc33c6
381	G	b8fd1284-2cb1-41e6-a13d-4baf4aeb8eb7
381	W	07499bc8-42f4-4817-a84e-4a2e6f889ecd
381	D	cefae246-a35a-4772-a274-cb9e598ae5ca
381	Lr	7e861920-cbb5-47d3-a30c-8f35a1baf799
382	G	47447e2f-5490-47e8-835e-21a245cab55b
382	W	c4b998e6-ac79-4a59-8051-bc7b78c103b2
382	D	8a0703a7-42e9-46bb-8ba2-7ea7755b4216
382	Lr	c3011c42-69cb-4106-9518-c95ce8e9570c
383	G	1faa6a7a-b4e8-40f6-8410-0f4e181dc048
383	W	ac76669d-2d63-41fd-8eb9-cd0886c06525
383	D	0301e987-e7ca-4abe-b353-4ab8294c1355
383	Lr	a7518208-3a18-4b4d-8788-fac5f4376138
384	G	74b8b925-3f9f-465d-b5a1-da59c0bafb47
384	W	df827fbf-e074-472b-97d0-2131a3e78b76
384	D	a09874cf-3bae-473c-a285-4bb0fa8aa149
384	Lr	30fba657-3cab-4326-8a82-2ababdea0235
385	G	30a4d22a-082f-4c20-97d4-aed2251fa4d7
385	W	321be378-59ee-4dac-844f-94424b0848a6
385	D	0e03dce6-1fbc-4e2a-a221-b5d7e9627df7
385	Lr	f72b8e21-8c8c-452a-bc3e-7dc30f3e69de
386	G	c1ea9913-25b0-4f5e-927e-dfec93480e2f
386	W	d28dd4b4-3aba-4215-b675-763bd1c253e7
386	D	583a8e0a-4128-4b3e-b7db-022e07a73b69

386	Lr	87ff91cd-52ab-4983-a3d9-54cdd3d8d908
387	G	554c08ea-8e01-4a17-8de6-ba172dbbbd47
387	W	03fc6513-4abb-48d0-b770-1943117f8861
387	D	7d864a37-57bd-487a-b83c-d0b053190c3a
387	Lr	f775e464-0bc8-434b-8e82-c53b921a2dc6
388	G	c2e6ff79-54ba-478f-b624-f0e1279bdea5
388	W	f57c6c1c-5fc1-4db7-934d-208277ba1a0a
388	D	b5c494df-c297-4bf5-949b-ea5f013b0260
388	Lr	34b9c784-29bc-49db-a14e-780c47b8189a
389	G	ed655348-95d0-4812-ab45-2d2ff127ed7f
389	W	f9416fb1-5f1a-4690-b650-62cc0be69bb2
389	D	98706c1f-c5d1-49ef-8668-59c8351a2eb0
389	Lr	c25442e8-cba9-4b08-b120-299cc82da774
390	G	cedcb7f1-65a8-4ae3-b4eb-10979fc64376
390	W	860611a5-8b74-4469-bc67-d6aaca0f078b
390	D	831c89fd-6133-4779-b786-6c322d0c3e35
390	Lr	e5cc5a6b-9fcc-41fd-852b-f0c768babfaa
391	G	5ec9e25d-fafb-4ff5-90b9-5d79ad5e54ee
391	W	8c62a599-ab31-4667-89fd-10831934aecd
391	D	de5c082c-db6a-482a-920a-f9f56dce2f3f
391	Lr	290f6ef4-d4d8-4f32-813c-37216a739479
392	G	ad90e513-b2f3-4d20-9895-27dcdb8550e2
392	W	6e0e82e1-49b8-4cee-8616-672acb9a0296
392	D	c9b37125-e55a-4c2a-961b-8ededef7a650
392	Lr	dc903a26-21d5-4555-9ef8-747f54e33d91
393	G	5f2dad5e-67ad-4c39-ba74-ff6f9157ae3c
393	W	3abe8bf9-babe-413c-9da6-1c7a6cbce303
393	D	4e384732-e743-4abe-9743-8900e652b180
393	Lr	ac9e3574-a30c-40b3-bb5d-406eb5f6c203
394	G	5f515f5f-5fab-4696-a6e6-5b299a7bd2d2
394	W	3f1738e3-0fc5-4c60-a069-84a0c482db22
394	D	71c730b6-4b55-460d-9145-a2b7a3d5d73d
394	Lr	e72d4fd9-1690-4041-b354-cd36d94d5eba
395	G	6a041fdc-a035-4fdf-bf99-68cf020635ff
395	W	24569128-fea0-401a-a7d2-2dfab370316e
395	D	5a3bdd8c-0e91-4409-8fc1-07b43060716d
395	Lr	209ccf19-3750-4c5c-bf8b-e39acda0f1ef
396	G	201fe5ef-8452-4a8d-ad3e-f23bcf684456
396	W	72d2715a-dd60-449a-b8e2-751c7617f699
396	D	8549974c-3b1b-4972-9610-389d338176fc
396	Lr	b9a366b5-2fb1-4e49-a891-3bff9b542240
397	G	451e8a48-ab7b-4fa8-b104-b9875088760b
397	W	707c613b-826d-4181-9cc9-467ce58f5a25
397	D	aff93f79-b36a-4c27-80ce-72ea9aa2554c
397	Lr	48e3a0de-6d01-4ded-84b7-7d6901495b8c
398	G	751868ee-a1bc-426d-9de9-e8f435547ee4
398	W	fd16b4a1-7195-405b-b352-2377bacb6422
398	D	6b93967c-2eab-4530-8c20-141918bf7682
398	Lr	8cea6bea-30e9-4f82-8358-ae8023c3cd3b

Table: Frame Release Assignments 1 - General, Part 1 of 2

Table: Frame Release Assignments 1 - General, Part 1 of 2								
Frame	**PI**	**V2I**	**V3I**	**TI**	**M2I**	**M3I**	**PJ**	**V2J**
2	No	No	No	No	Yes	Yes	No	No
4	No	No	No	No	Yes	Yes	No	No
10	No	No	No	No	Yes	Yes	No	No
11	No	No	No	No	Yes	Yes	No	No
12	No	No	No	No	Yes	Yes	No	No
13	No	No	No	No	Yes	Yes	No	No
14	No	No	No	No	Yes	Yes	No	No
15	No	No	No	No	Yes	Yes	No	No
16	No	No	No	No	Yes	Yes	No	No
17	No	No	No	No	Yes	Yes	No	No
18	No	No	No	No	Yes	Yes	No	No
19	No	No	No	No	Yes	Yes	No	No
20	No	No	No	No	Yes	Yes	No	No
21	No	No	No	No	Yes	Yes	No	No
22	No	No	No	No	Yes	Yes	No	No
24	No	No	No	No	Yes	Yes	No	No
26	No	No	No	No	Yes	Yes	No	No
32	No	No	No	No	Yes	Yes	No	No
33	No	No	No	No	Yes	Yes	No	No
34	No	No	No	No	Yes	Yes	No	No
35	No	No	No	No	Yes	Yes	No	No
36	No	No	No	No	Yes	Yes	No	No
37	No	No	No	No	Yes	Yes	No	No
38	No	No	No	No	Yes	Yes	No	No
39	No	No	No	No	Yes	Yes	No	No
40	No	No	No	No	Yes	Yes	No	No
41	No	No	No	No	Yes	Yes	No	No
42	No	No	No	No	Yes	Yes	No	No
43	No	No	No	No	Yes	Yes	No	No
44	No	No	No	No	Yes	Yes	No	No
46	No	No	No	No	Yes	Yes	No	No
48	No	No	No	No	Yes	Yes	No	No
54	No	No	No	No	Yes	Yes	No	No
55	No	No	No	No	Yes	Yes	No	No
56	No	No	No	No	Yes	Yes	No	No
57	No	No	No	No	Yes	Yes	No	No
58	No	No	No	No	Yes	Yes	No	No
59	No	No	No	No	Yes	Yes	No	No
60	No	No	No	No	Yes	Yes	No	No
61	No	No	No	No	Yes	Yes	No	No
62	No	No	No	No	Yes	Yes	No	No
63	No	No	No	No	Yes	Yes	No	No
64	No	No	No	No	Yes	Yes	No	No
65	No	No	No	No	Yes	Yes	No	No
66	No	No	No	No	Yes	Yes	No	No
68	No	No	No	No	Yes	Yes	No	No
70	No	No	No	No	Yes	Yes	No	No

76	No	No	No	No	Yes	Yes	No	No
77	No	No	No	No	Yes	Yes	No	No
78	No	No	No	No	Yes	Yes	No	No
79	No	No	No	No	Yes	Yes	No	No
80	No	No	No	No	Yes	Yes	No	No
81	No	No	No	No	Yes	Yes	No	No
82	No	No	No	No	Yes	Yes	No	No
83	No	No	No	No	Yes	Yes	No	No
84	No	No	No	No	Yes	Yes	No	No
85	No	No	No	No	Yes	Yes	No	No
86	No	No	No	No	Yes	Yes	No	No
87	No	No	No	No	Yes	Yes	No	No
88	No	No	No	No	Yes	Yes	No	No
90	No	No	No	No	Yes	Yes	No	No
92	No	No	No	No	Yes	Yes	No	No
98	No	No	No	No	Yes	Yes	No	No
99	No	No	No	No	Yes	Yes	No	No
100	No	No	No	No	Yes	Yes	No	No
101	No	No	No	No	Yes	Yes	No	No
102	No	No	No	No	Yes	Yes	No	No
103	No	No	No	No	Yes	Yes	No	No
104	No	No	No	No	Yes	Yes	No	No
105	No	No	No	No	Yes	Yes	No	No
106	No	No	No	No	Yes	Yes	No	No
107	No	No	No	No	Yes	Yes	No	No
108	No	No	No	No	Yes	Yes	No	No
109	No	No	No	No	Yes	Yes	No	No
110	No	No	No	No	Yes	Yes	No	No
112	No	No	No	No	Yes	Yes	No	No
114	No	No	No	No	Yes	Yes	No	No
120	No	No	No	No	Yes	Yes	No	No
121	No	No	No	No	Yes	Yes	No	No
122	No	No	No	No	Yes	Yes	No	No
123	No	No	No	No	Yes	Yes	No	No
124	No	No	No	No	Yes	Yes	No	No
125	No	No	No	No	Yes	Yes	No	No
126	No	No	No	No	Yes	Yes	No	No
127	No	No	No	No	Yes	Yes	No	No
128	No	No	No	No	Yes	Yes	No	No
129	No	No	No	No	Yes	Yes	No	No
130	No	No	No	No	Yes	Yes	No	No
131	No	No	No	No	Yes	Yes	No	No
132	No	No	No	No	Yes	Yes	No	No
133	No	No	No	No	Yes	Yes	No	No
134	No	No	No	No	Yes	Yes	No	No
135	No	No	No	No	Yes	Yes	No	No
136	No	No	No	No	Yes	Yes	No	No
137	No	No	No	No	Yes	Yes	No	No
138	No	No	No	No	Yes	Yes	No	No
139	No	No	No	No	Yes	Yes	No	No
140	No	No	No	No	Yes	Yes	No	No
141	No	No	No	No	Yes	Yes	No	No

142	No	No	No	No	Yes	Yes	No	No
294	No	No	No	No	Yes	Yes	No	No
295	No	No	No	No	Yes	Yes	No	No
296	No	No	No	No	Yes	Yes	No	No
297	No	No	No	No	Yes	Yes	No	No
298	No	No	No	No	Yes	Yes	No	No
299	No	No	No	No	Yes	Yes	No	No
300	No	No	No	No	Yes	Yes	No	No
301	No	No	No	No	Yes	Yes	No	No
302	No	No	No	No	Yes	Yes	No	No
303	No	No	No	No	Yes	Yes	No	No
304	No	No	No	No	Yes	Yes	No	No
305	No	No	No	No	Yes	Yes	No	No
306	No	No	No	No	Yes	Yes	No	No
307	No	No	No	No	Yes	Yes	No	No
308	No	No	No	No	Yes	Yes	No	No
309	No	No	No	No	Yes	Yes	No	No
310	No	No	No	No	Yes	Yes	No	No
311	No	No	No	No	Yes	Yes	No	No
312	No	No	No	No	Yes	Yes	No	No
313	No	No	No	No	Yes	Yes	No	No
314	No	No	No	No	Yes	Yes	No	No
315	No	No	No	No	Yes	Yes	No	No
316	No	No	No	No	Yes	Yes	No	No
317	No	No	No	No	Yes	Yes	No	No
318	No	No	No	No	Yes	Yes	No	No
319	No	No	No	No	Yes	Yes	No	No
320	No	No	No	No	Yes	Yes	No	No
321	No	No	No	No	Yes	Yes	No	No
322	No	No	No	No	Yes	Yes	No	No
323	No	No	No	No	Yes	Yes	No	No
324	No	No	No	No	Yes	Yes	No	No
325	No	No	No	No	Yes	Yes	No	No
326	No	No	No	No	Yes	Yes	No	No
327	No	No	No	No	Yes	Yes	No	No
328	No	No	No	No	Yes	Yes	No	No
329	No	No	No	No	Yes	Yes	No	No
330	No	No	No	No	Yes	Yes	No	No
331	No	No	No	No	Yes	Yes	No	No
332	No	No	No	No	Yes	Yes	No	No
333	No	No	No	No	Yes	Yes	No	No
334	No	No	No	No	Yes	Yes	No	No
335	No	No	No	No	Yes	Yes	No	No
336	No	No	No	No	Yes	Yes	No	No
337	No	No	No	No	Yes	Yes	No	No
338	No	No	No	No	Yes	Yes	No	No
339	No	No	No	No	Yes	Yes	No	No
340	No	No	No	No	Yes	Yes	No	No
341	No	No	No	No	Yes	Yes	No	No
342	No	No	No	No	Yes	Yes	No	No
343	No	No	No	No	Yes	Yes	No	No
344	No	No	No	No	Yes	Yes	No	No

345	No	No	No	No	Yes	Yes	No	No
346	No	No	No	No	Yes	Yes	No	No
347	No	No	No	No	Yes	Yes	No	No
348	No	No	No	No	Yes	Yes	No	No
349	No	No	No	No	Yes	Yes	No	No
350	No	No	No	No	Yes	Yes	No	No
351	No	No	No	No	Yes	Yes	No	No
352	No	No	No	No	Yes	Yes	No	No
353	No	No	No	No	Yes	Yes	No	No
354	No	No	No	No	Yes	Yes	No	No
355	No	No	No	No	Yes	Yes	No	No
356	No	No	No	No	Yes	Yes	No	No
357	No	No	No	No	Yes	Yes	No	No
358	No	No	No	No	Yes	Yes	No	No
359	No	No	No	No	Yes	Yes	No	No
360	No	No	No	No	Yes	Yes	No	No
361	No	No	No	No	Yes	Yes	No	No
362	No	No	No	No	Yes	Yes	No	No
363	No	No	No	No	Yes	Yes	No	No
364	No	No	No	No	Yes	Yes	No	No
365	No	No	No	No	Yes	Yes	No	No
366	No	No	No	No	Yes	Yes	No	No
367	No	No	No	No	Yes	Yes	No	No
368	No	No	No	No	Yes	Yes	No	No
369	No	No	No	No	Yes	Yes	No	No
370	No	No	No	No	Yes	Yes	No	No
371	No	No	No	No	Yes	Yes	No	No
372	No	No	No	No	Yes	Yes	No	No
373	No	No	No	No	Yes	Yes	No	No
374	No	No	No	No	Yes	Yes	No	No
375	No	No	No	No	Yes	Yes	No	No
376	No	No	No	No	Yes	Yes	No	No
377	No	No	No	No	Yes	Yes	No	No
378	No	No	No	No	Yes	Yes	No	No
379	No	No	No	No	Yes	Yes	No	No
380	No	No	No	No	Yes	Yes	No	No
381	No	No	No	No	Yes	Yes	No	No
382	No	No	No	No	Yes	Yes	No	No
383	No	No	No	No	Yes	Yes	No	No
384	No	No	No	No	Yes	Yes	No	No
385	No	No	No	No	Yes	Yes	No	No
386	No	No	No	No	Yes	Yes	No	No
387	No	No	No	No	Yes	Yes	No	No
388	No	No	No	No	Yes	Yes	No	No
389	No	No	No	No	Yes	Yes	No	No
390	No	No	No	No	Yes	Yes	No	No
391	No	No	No	No	Yes	Yes	No	No
392	No	No	No	No	Yes	Yes	No	No
393	No	No	No	No	Yes	Yes	No	No
394	No	No	No	No	Yes	Yes	No	No
395	No	No	No	No	Yes	Yes	No	No
396	No	No	No	No	Yes	Yes	No	No

397	No	No	No	No	Yes	Yes	No	No
398	No	No	No	No	Yes	Yes	No	No

Table: Frame Release Assignments 1 - General, Part 2 of 2

Table: Frame Release Assignments 1 - General, Part 2 of 2					
Frame	**V3J**	**TJ**	**M2J**	**M3J**	**PartialFix**
2	No	Yes	Yes	Yes	No
4	No	Yes	Yes	Yes	No
10	No	Yes	Yes	Yes	No
11	No	Yes	Yes	Yes	No
12	No	Yes	Yes	Yes	No
13	No	Yes	Yes	Yes	No
14	No	Yes	Yes	Yes	No
15	No	Yes	Yes	Yes	No
16	No	Yes	Yes	Yes	No
17	No	Yes	Yes	Yes	No
18	No	Yes	Yes	Yes	No
19	No	Yes	Yes	Yes	No
20	No	Yes	Yes	Yes	No
21	No	Yes	Yes	Yes	No
22	No	Yes	Yes	Yes	No
24	No	Yes	Yes	Yes	No
26	No	Yes	Yes	Yes	No
32	No	Yes	Yes	Yes	No
33	No	Yes	Yes	Yes	No
34	No	Yes	Yes	Yes	No
35	No	Yes	Yes	Yes	No
36	No	Yes	Yes	Yes	No
37	No	Yes	Yes	Yes	No
38	No	Yes	Yes	Yes	No
39	No	Yes	Yes	Yes	No
40	No	Yes	Yes	Yes	No
41	No	Yes	Yes	Yes	No
42	No	Yes	Yes	Yes	No
43	No	Yes	Yes	Yes	No
44	No	Yes	Yes	Yes	No
46	No	Yes	Yes	Yes	No
48	No	Yes	Yes	Yes	No
54	No	Yes	Yes	Yes	No
55	No	Yes	Yes	Yes	No
56	No	Yes	Yes	Yes	No
57	No	Yes	Yes	Yes	No
58	No	Yes	Yes	Yes	No
59	No	Yes	Yes	Yes	No
60	No	Yes	Yes	Yes	No
61	No	Yes	Yes	Yes	No
62	No	Yes	Yes	Yes	No
63	No	Yes	Yes	Yes	No
64	No	Yes	Yes	Yes	No

65	No	Yes	Yes	Yes	No
66	No	Yes	Yes	Yes	No
68	No	Yes	Yes	Yes	No
70	No	Yes	Yes	Yes	No
76	No	Yes	Yes	Yes	No
77	No	Yes	Yes	Yes	No
78	No	Yes	Yes	Yes	No
79	No	Yes	Yes	Yes	No
80	No	Yes	Yes	Yes	No
81	No	Yes	Yes	Yes	No
82	No	Yes	Yes	Yes	No
83	No	Yes	Yes	Yes	No
84	No	Yes	Yes	Yes	No
85	No	Yes	Yes	Yes	No
86	No	Yes	Yes	Yes	No
87	No	Yes	Yes	Yes	No
88	No	Yes	Yes	Yes	No
90	No	Yes	Yes	Yes	No
92	No	Yes	Yes	Yes	No
98	No	Yes	Yes	Yes	No
99	No	Yes	Yes	Yes	No
100	No	Yes	Yes	Yes	No
101	No	Yes	Yes	Yes	No
102	No	Yes	Yes	Yes	No
103	No	Yes	Yes	Yes	No
104	No	Yes	Yes	Yes	No
105	No	Yes	Yes	Yes	No
106	No	Yes	Yes	Yes	No
107	No	Yes	Yes	Yes	No
108	No	Yes	Yes	Yes	No
109	No	Yes	Yes	Yes	No
110	No	Yes	Yes	Yes	No
112	No	Yes	Yes	Yes	No
114	No	Yes	Yes	Yes	No
120	No	Yes	Yes	Yes	No
121	No	Yes	Yes	Yes	No
122	No	Yes	Yes	Yes	No
123	No	Yes	Yes	Yes	No
124	No	Yes	Yes	Yes	No
125	No	Yes	Yes	Yes	No
126	No	Yes	Yes	Yes	No
127	No	Yes	Yes	Yes	No
128	No	Yes	Yes	Yes	No
129	No	Yes	Yes	Yes	No
130	No	Yes	Yes	Yes	No
131	No	Yes	Yes	Yes	No
132	No	Yes	Yes	Yes	No
133	No	Yes	Yes	Yes	No
134	No	Yes	Yes	Yes	No
135	No	Yes	Yes	Yes	No
136	No	Yes	Yes	Yes	No
137	No	Yes	Yes	Yes	No

138	No	Yes	Yes	Yes	No
139	No	Yes	Yes	Yes	No
140	No	Yes	Yes	Yes	No
141	No	Yes	Yes	Yes	No
142	No	Yes	Yes	Yes	No
294	No	Yes	Yes	Yes	No
295	No	Yes	Yes	Yes	No
296	No	Yes	Yes	Yes	No
297	No	Yes	Yes	Yes	No
298	No	Yes	Yes	Yes	No
299	No	Yes	Yes	Yes	No
300	No	Yes	Yes	Yes	No
301	No	Yes	Yes	Yes	No
302	No	Yes	Yes	Yes	No
303	No	Yes	Yes	Yes	No
304	No	Yes	Yes	Yes	No
305	No	Yes	Yes	Yes	No
306	No	Yes	Yes	Yes	No
307	No	Yes	Yes	Yes	No
308	No	Yes	Yes	Yes	No
309	No	Yes	Yes	Yes	No
310	No	Yes	Yes	Yes	No
311	No	Yes	Yes	Yes	No
312	No	Yes	Yes	Yes	No
313	No	Yes	Yes	Yes	No
314	No	Yes	Yes	Yes	No
315	No	Yes	Yes	Yes	No
316	No	Yes	Yes	Yes	No
317	No	Yes	Yes	Yes	No
318	No	Yes	Yes	Yes	No
319	No	Yes	Yes	Yes	No
320	No	Yes	Yes	Yes	No
321	No	Yes	Yes	Yes	No
322	No	Yes	Yes	Yes	No
323	No	Yes	Yes	Yes	No
324	No	Yes	Yes	Yes	No
325	No	Yes	Yes	Yes	No
326	No	Yes	Yes	Yes	No
327	No	Yes	Yes	Yes	No
328	No	Yes	Yes	Yes	No
329	No	Yes	Yes	Yes	No
330	No	Yes	Yes	Yes	No
331	No	Yes	Yes	Yes	No
332	No	Yes	Yes	Yes	No
333	No	Yes	Yes	Yes	No
334	No	Yes	Yes	Yes	No
335	No	Yes	Yes	Yes	No
336	No	Yes	Yes	Yes	No
337	No	Yes	Yes	Yes	No
338	No	Yes	Yes	Yes	No
339	No	Yes	Yes	Yes	No
340	No	Yes	Yes	Yes	No

341	No	Yes	Yes	Yes	No
342	No	Yes	Yes	Yes	No
343	No	Yes	Yes	Yes	No
344	No	Yes	Yes	Yes	No
345	No	Yes	Yes	Yes	No
346	No	Yes	Yes	Yes	No
347	No	Yes	Yes	Yes	No
348	No	Yes	Yes	Yes	No
349	No	Yes	Yes	Yes	No
350	No	Yes	Yes	Yes	No
351	No	Yes	Yes	Yes	No
352	No	Yes	Yes	Yes	No
353	No	Yes	Yes	Yes	No
354	No	Yes	Yes	Yes	No
355	No	Yes	Yes	Yes	No
356	No	Yes	Yes	Yes	No
357	No	Yes	Yes	Yes	No
358	No	Yes	Yes	Yes	No
359	No	Yes	Yes	Yes	No
360	No	Yes	Yes	Yes	No
361	No	Yes	Yes	Yes	No
362	No	Yes	Yes	Yes	No
363	No	Yes	Yes	Yes	No
364	No	Yes	Yes	Yes	No
365	No	Yes	Yes	Yes	No
366	No	Yes	Yes	Yes	No
367	No	Yes	Yes	Yes	No
368	No	Yes	Yes	Yes	No
369	No	Yes	Yes	Yes	No
370	No	Yes	Yes	Yes	No
371	No	Yes	Yes	Yes	No
372	No	Yes	Yes	Yes	No
373	No	Yes	Yes	Yes	No
374	No	Yes	Yes	Yes	No
375	No	Yes	Yes	Yes	No
376	No	Yes	Yes	Yes	No
377	No	Yes	Yes	Yes	No
378	No	Yes	Yes	Yes	No
379	No	Yes	Yes	Yes	No
380	No	Yes	Yes	Yes	No
381	No	Yes	Yes	Yes	No
382	No	Yes	Yes	Yes	No
383	No	Yes	Yes	Yes	No
384	No	Yes	Yes	Yes	No
385	No	Yes	Yes	Yes	No
386	No	Yes	Yes	Yes	No
387	No	Yes	Yes	Yes	No
388	No	Yes	Yes	Yes	No
389	No	Yes	Yes	Yes	No
390	No	Yes	Yes	Yes	No
391	No	Yes	Yes	Yes	No
392	No	Yes	Yes	Yes	No

393	No	Yes	Yes	Yes	No
394	No	Yes	Yes	Yes	No
395	No	Yes	Yes	Yes	No
396	No	Yes	Yes	Yes	No
397	No	Yes	Yes	Yes	No
398	No	Yes	Yes	Yes	No

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR20X10	N.A.	Default
2	Rectangular	N.A.	PEN2010	N.A.	Default
4	Rectangular	N.A.	PEN2010	N.A.	Default
5	Rectangular	N.A.	TIR20X10	N.A.	Default
10	Rectangular	N.A.	PEN2010	N.A.	Default
11	Rectangular	N.A.	PUNT1010	N.A.	Default
12	Rectangular	N.A.	PUNT1010	N.A.	Default
13	Rectangular	N.A.	PUNT1010	N.A.	Default
14	Rectangular	N.A.	PUNT1010	N.A.	Default
15	Rectangular	N.A.	PUNT1010	N.A.	Default
16	Rectangular	N.A.	PUNT1010	N.A.	Default
17	Rectangular	N.A.	DIAG1010	N.A.	Default
18	Rectangular	N.A.	DIAG1010	N.A.	Default
19	Rectangular	N.A.	TORN20X10	N.A.	Default
20	Rectangular	N.A.	TORN20X10	N.A.	Default
21	Rectangular	N.A.	DIAG1010	N.A.	Default
22	Rectangular	N.A.	DIAG1010	N.A.	Default
23	Rectangular	N.A.	TIR20X10	N.A.	Default
24	Rectangular	N.A.	PEN2010	N.A.	Default
25	Rectangular	N.A.	TIR20X10	N.A.	Default
26	Rectangular	N.A.	PEN2010	N.A.	Default
27	Rectangular	N.A.	TIR20X10	N.A.	Default
32	Rectangular	N.A.	PEN2010	N.A.	Default
33	Rectangular	N.A.	PUNT1010	N.A.	Default
34	Rectangular	N.A.	PUNT1010	N.A.	Default
35	Rectangular	N.A.	PUNT1010	N.A.	Default
36	Rectangular	N.A.	PUNT1010	N.A.	Default
37	Rectangular	N.A.	PUNT1010	N.A.	Default
38	Rectangular	N.A.	PUNT1010	N.A.	Default
39	Rectangular	N.A.	DIAG1010	N.A.	Default
40	Rectangular	N.A.	DIAG1010	N.A.	Default
41	Rectangular	N.A.	TORN20X10	N.A.	Default
42	Rectangular	N.A.	TORN20X10	N.A.	Default
43	Rectangular	N.A.	DIAG1010	N.A.	Default
44	Rectangular	N.A.	DIAG1010	N.A.	Default
45	Rectangular	N.A.	TIR20X10	N.A.	Default
46	Rectangular	N.A.	PEN2010	N.A.	Default
47	Rectangular	N.A.	TIR20X10	N.A.	Default
48	Rectangular	N.A.	PEN2010	N.A.	Default

49	Rectangular	N.A.	TIR20X10	N.A.	Default
54	Rectangular	N.A.	PEN2010	N.A.	Default
55	Rectangular	N.A.	PUNT1010	N.A.	Default
56	Rectangular	N.A.	PUNT1010	N.A.	Default
57	Rectangular	N.A.	PUNT1010	N.A.	Default
58	Rectangular	N.A.	PUNT1010	N.A.	Default
59	Rectangular	N.A.	PUNT1010	N.A.	Default
60	Rectangular	N.A.	PUNT1010	N.A.	Default
61	Rectangular	N.A.	DIAG1010	N.A.	Default
62	Rectangular	N.A.	DIAG1010	N.A.	Default
63	Rectangular	N.A.	TORN20X10	N.A.	Default
64	Rectangular	N.A.	TORN20X10	N.A.	Default
65	Rectangular	N.A.	DIAG1010	N.A.	Default
66	Rectangular	N.A.	DIAG1010	N.A.	Default
67	Rectangular	N.A.	TIR20X10	N.A.	Default
68	Rectangular	N.A.	PEN2010	N.A.	Default
69	Rectangular	N.A.	TIR20X10	N.A.	Default
70	Rectangular	N.A.	PEN2010	N.A.	Default
71	Rectangular	N.A.	TIR20X10	N.A.	Default
76	Rectangular	N.A.	PEN2010	N.A.	Default
77	Rectangular	N.A.	PUNT1010	N.A.	Default
78	Rectangular	N.A.	PUNT1010	N.A.	Default
79	Rectangular	N.A.	PUNT1010	N.A.	Default
80	Rectangular	N.A.	PUNT1010	N.A.	Default
81	Rectangular	N.A.	PUNT1010	N.A.	Default
82	Rectangular	N.A.	PUNT1010	N.A.	Default
83	Rectangular	N.A.	DIAG1010	N.A.	Default
84	Rectangular	N.A.	DIAG1010	N.A.	Default
85	Rectangular	N.A.	TORN20X10	N.A.	Default
86	Rectangular	N.A.	TORN20X10	N.A.	Default
87	Rectangular	N.A.	DIAG1010	N.A.	Default
88	Rectangular	N.A.	DIAG1010	N.A.	Default
89	Rectangular	N.A.	TIR20X10	N.A.	Default
90	Rectangular	N.A.	PEN2010	N.A.	Default
91	Rectangular	N.A.	TIR20X10	N.A.	Default
92	Rectangular	N.A.	PEN2010	N.A.	Default
93	Rectangular	N.A.	TIR20X10	N.A.	Default
98	Rectangular	N.A.	PEN2010	N.A.	Default
99	Rectangular	N.A.	PUNT1010	N.A.	Default
100	Rectangular	N.A.	PUNT1010	N.A.	Default
101	Rectangular	N.A.	PUNT1010	N.A.	Default
102	Rectangular	N.A.	PUNT1010	N.A.	Default
103	Rectangular	N.A.	PUNT1010	N.A.	Default
104	Rectangular	N.A.	PUNT1010	N.A.	Default
105	Rectangular	N.A.	DIAG1010	N.A.	Default
106	Rectangular	N.A.	DIAG1010	N.A.	Default
107	Rectangular	N.A.	TORN20X10	N.A.	Default
108	Rectangular	N.A.	TORN20X10	N.A.	Default
109	Rectangular	N.A.	DIAG1010	N.A.	Default
110	Rectangular	N.A.	DIAG1010	N.A.	Default
111	Rectangular	N.A.	TIR20X10	N.A.	Default
112	Rectangular	N.A.	PEN2010	N.A.	Default

113	Rectangular	N.A.	TIR20X10	N.A.	Default
114	Rectangular	N.A.	PEN2010	N.A.	Default
115	Rectangular	N.A.	TIR20X10	N.A.	Default
120	Rectangular	N.A.	PEN2010	N.A.	Default
121	Rectangular	N.A.	PUNT1010	N.A.	Default
122	Rectangular	N.A.	PUNT1010	N.A.	Default
123	Rectangular	N.A.	PUNT1010	N.A.	Default
124	Rectangular	N.A.	PUNT1010	N.A.	Default
125	Rectangular	N.A.	PUNT1010	N.A.	Default
126	Rectangular	N.A.	PUNT1010	N.A.	Default
127	Rectangular	N.A.	DIAG1010	N.A.	Default
128	Rectangular	N.A.	DIAG1010	N.A.	Default
129	Rectangular	N.A.	TORN20X10	N.A.	Default
130	Rectangular	N.A.	TORN20X10	N.A.	Default
131	Rectangular	N.A.	DIAG1010	N.A.	Default
132	Rectangular	N.A.	DIAG1010	N.A.	Default
133	Rectangular	N.A.	CORREA	N.A.	Default
134	Rectangular	N.A.	CORREA	N.A.	Default
135	Rectangular	N.A.	CORREA	N.A.	Default
136	Rectangular	N.A.	CORREA	N.A.	Default
137	Rectangular	N.A.	CORREA	N.A.	Default
138	Rectangular	N.A.	CORREA	N.A.	Default
139	Rectangular	N.A.	CORREA	N.A.	Default
140	Rectangular	N.A.	CORREA	N.A.	Default
141	Rectangular	N.A.	CORREA	N.A.	Default
142	Rectangular	N.A.	CORREA	N.A.	Default
153	Rectangular	N.A.	PAR1810	N.A.	Default
164	Rectangular	N.A.	M9.09X20	N.A.	Default
165	Rectangular	N.A.	TIR20X10	N.A.	Default
166	Rectangular	N.A.	PAR1810	N.A.	Default
173	Rectangular	N.A.	PAR1810	N.A.	Default
180	Rectangular	N.A.	PAR1810	N.A.	Default
184	Rectangular	N.A.	PAR1810	N.A.	Default
191	Rectangular	N.A.	PAR1810	N.A.	Default
198	Rectangular	N.A.	PAR1810	N.A.	Default
202	Rectangular	N.A.	PAR1810	N.A.	Default
206	Rectangular	N.A.	PAR1810	N.A.	Default
210	Rectangular	N.A.	PAR1810	N.A.	Default
214	Rectangular	N.A.	PAR1810	N.A.	Default
221	Rectangular	N.A.	PAR1810	N.A.	Default
228	Rectangular	N.A.	PAR1810	N.A.	Default
232	Rectangular	N.A.	PAR1810	N.A.	Default
236	Rectangular	N.A.	PAR1810	N.A.	Default
243	Rectangular	N.A.	PAR1810	N.A.	Default
250	Rectangular	N.A.	PAR1810	N.A.	Default
257	Rectangular	N.A.	PAR1810	N.A.	Default
264	Rectangular	N.A.	PAR1810	N.A.	Default
268	Rectangular	N.A.	PAR1810	N.A.	Default
272	Rectangular	N.A.	PAR1810	N.A.	Default
276	Rectangular	N.A.	PAR1810	N.A.	Default
280	Rectangular	N.A.	PAR1810	N.A.	Default
287	Rectangular	N.A.	PAR1810	N.A.	Default

294	Rectangular	N.A.	CORREA	N.A.	Default
295	Rectangular	N.A.	CORREA	N.A.	Default
296	Rectangular	N.A.	CORREA	N.A.	Default
297	Rectangular	N.A.	CORREA	N.A.	Default
298	Rectangular	N.A.	CORREA	N.A.	Default
299	Rectangular	N.A.	CORREA	N.A.	Default
300	Rectangular	N.A.	CORREA	N.A.	Default
301	Rectangular	N.A.	CORREA	N.A.	Default
302	Rectangular	N.A.	CORREA	N.A.	Default
303	Rectangular	N.A.	CORREA	N.A.	Default
304	Rectangular	N.A.	CORREA	N.A.	Default
305	Rectangular	N.A.	CORREA	N.A.	Default
306	Rectangular	N.A.	CORREA	N.A.	Default
307	Rectangular	N.A.	CORREA	N.A.	Default
308	Rectangular	N.A.	CORREA	N.A.	Default
309	Rectangular	N.A.	CORREA	N.A.	Default
310	Rectangular	N.A.	CORREA	N.A.	Default
311	Rectangular	N.A.	CORREA	N.A.	Default
312	Rectangular	N.A.	CORREA	N.A.	Default
313	Rectangular	N.A.	CORREA	N.A.	Default
314	Rectangular	N.A.	CORREA	N.A.	Default
315	Rectangular	N.A.	CORREA	N.A.	Default
316	Rectangular	N.A.	CORREA	N.A.	Default
317	Rectangular	N.A.	CORREA	N.A.	Default
318	Rectangular	N.A.	CORREA	N.A.	Default
319	Rectangular	N.A.	CORREA	N.A.	Default
320	Rectangular	N.A.	CORREA	N.A.	Default
321	Rectangular	N.A.	CORREA	N.A.	Default
322	Rectangular	N.A.	CORREA	N.A.	Default
323	Rectangular	N.A.	CORREA	N.A.	Default
324	Rectangular	N.A.	CORREA	N.A.	Default
325	Rectangular	N.A.	CORREA	N.A.	Default
326	Rectangular	N.A.	CORREA	N.A.	Default
327	Rectangular	N.A.	CORREA	N.A.	Default
328	Rectangular	N.A.	CORREA	N.A.	Default
329	Rectangular	N.A.	CORREA	N.A.	Default
330	Rectangular	N.A.	CORREA	N.A.	Default
331	Rectangular	N.A.	CORREA	N.A.	Default
332	Rectangular	N.A.	CORREA	N.A.	Default
333	Rectangular	N.A.	CORREA	N.A.	Default
334	Rectangular	N.A.	CORREA	N.A.	Default
335	Rectangular	N.A.	CORREA	N.A.	Default
336	Rectangular	N.A.	CORREA	N.A.	Default
337	Rectangular	N.A.	CORREA	N.A.	Default
338	Rectangular	N.A.	CORREA	N.A.	Default
339	Rectangular	N.A.	CORREA	N.A.	Default
340	Rectangular	N.A.	CORREA	N.A.	Default
341	Rectangular	N.A.	CORREA	N.A.	Default
342	Rectangular	N.A.	CORREA	N.A.	Default
343	Rectangular	N.A.	CORREA	N.A.	Default
344	Rectangular	N.A.	CORREA	N.A.	Default
345	Rectangular	N.A.	CORREA	N.A.	Default

346	Rectangular	N.A.	CORREA	N.A.	Default
347	Rectangular	N.A.	CORREA	N.A.	Default
348	Rectangular	N.A.	CORREA	N.A.	Default
349	Rectangular	N.A.	CORREA	N.A.	Default
350	Rectangular	N.A.	CORREA	N.A.	Default
351	Rectangular	N.A.	CORREA	N.A.	Default
352	Rectangular	N.A.	CORREA	N.A.	Default
353	Rectangular	N.A.	CORREA	N.A.	Default
354	Rectangular	N.A.	CORREA	N.A.	Default
355	Rectangular	N.A.	CORREA	N.A.	Default
356	Rectangular	N.A.	CORREA	N.A.	Default
357	Rectangular	N.A.	CORREA	N.A.	Default
358	Rectangular	N.A.	CORREA	N.A.	Default
359	Rectangular	N.A.	CORREA	N.A.	Default
360	Rectangular	N.A.	CORREA	N.A.	Default
361	Rectangular	N.A.	CORREA	N.A.	Default
362	Rectangular	N.A.	CORREA	N.A.	Default
363	Rectangular	N.A.	CORREA	N.A.	Default
364	Rectangular	N.A.	CORREA	N.A.	Default
365	Rectangular	N.A.	CORREA	N.A.	Default
366	Rectangular	N.A.	CORREA	N.A.	Default
367	Rectangular	N.A.	CORREA	N.A.	Default
368	Rectangular	N.A.	CORREA	N.A.	Default
369	Rectangular	N.A.	CORREA	N.A.	Default
370	Rectangular	N.A.	CORREA	N.A.	Default
371	Rectangular	N.A.	CORREA	N.A.	Default
372	Rectangular	N.A.	CORREA	N.A.	Default
373	Rectangular	N.A.	CORREA	N.A.	Default
374	Rectangular	N.A.	CORREA	N.A.	Default
375	Rectangular	N.A.	CORREA	N.A.	Default
376	Rectangular	N.A.	CORREA	N.A.	Default
377	Rectangular	N.A.	CORREA	N.A.	Default
378	Rectangular	N.A.	CORREA	N.A.	Default
379	Rectangular	N.A.	CORREA	N.A.	Default
380	Rectangular	N.A.	CORREA	N.A.	Default
381	Rectangular	N.A.	CORREA	N.A.	Default
382	Rectangular	N.A.	CORREA	N.A.	Default
383	Rectangular	N.A.	CORREA	N.A.	Default
384	Rectangular	N.A.	CORREA	N.A.	Default
385	Rectangular	N.A.	CORREA	N.A.	Default
386	Rectangular	N.A.	CORREA	N.A.	Default
387	Rectangular	N.A.	CORREA	N.A.	Default
388	Rectangular	N.A.	CORREA	N.A.	Default
389	Rectangular	N.A.	CORREA	N.A.	Default
390	Rectangular	N.A.	CORREA	N.A.	Default
391	Rectangular	N.A.	CORREA	N.A.	Default
392	Rectangular	N.A.	CORREA	N.A.	Default
393	Rectangular	N.A.	CORREA	N.A.	Default
394	Rectangular	N.A.	CORREA	N.A.	Default
395	Rectangular	N.A.	CORREA	N.A.	Default
396	Rectangular	N.A.	CORREA	N.A.	Default
397	Rectangular	N.A.	CORREA	N.A.	Default

398	Rectangular	N.A.	CORREA	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
CORREA	M-ES6	Rectangular	0.1	0.1		
DIAG1010	M-ES1	Rectangular	0.1	0.1		
M-2-4x2	M-ES1	SD Section				
M-4x2	M-ES1	SD Section				
M9.09X10	M-ES1	Rectangular	0.1	0.0909		
M9.09X20	M-ES1	Rectangular	0.2	0.0909		
PAR1810	M-ES1	Rectangular	0.18	0.1		
PEN2010	M-ES1	Rectangular	0.2	0.1		
PUNT1010	M-ES1	Rectangular	0.1	0.1		
TIR20X10	M-ES1	Rectangular	0.2	0.1		
TORN20X10	M-ES1	Rectangular	0.2	0.1		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
CORREA	0.01	0.000014	8.333E-06	8.333E-06	0.	0.008333	0.008333
DIAG1010	0.01	0.000014	8.333E-06	8.333E-06	0.	0.008333	0.008333
M-2-4x2	0.010323	6.109E-06	8.880E-06	0.000029	0.	0.008645	0.010323
M-4x2	0.005161	3.051E-06	4.440E-06	1.110E-06	0.	0.004301	0.004301
M9.09X10	0.00909	0.000012	7.575E-06	6.259E-06	0.	0.007575	0.007575
M9.09X20	0.01818	0.000036	0.000061	0.000013	0.	0.01515	0.01515
PAR1810	0.018	0.000039	0.000049	0.000015	0.	0.015	0.015
PEN2010	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PUNT1010	0.01	0.000014	8.333E-06	8.333E-06	0.	0.008333	0.008333
TIR20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
TORN20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
CORREA	0.000167	0.000167	0.00025	0.00025	0.028868	0.028868	
DIAG1010	0.000167	0.000167	0.00025	0.00025	0.028868	0.028868	
M-2-4x2	0.000175	0.000379	0.000262	0.000524	0.029329	0.052874	
M-4x2	0.000087	0.000044	0.000131	0.000066	0.029329	0.014665	
M9.09X10	0.000152	0.000138	0.000227	0.000207	0.028868	0.026241	
M9.09X20	0.000606	0.000275	0.000909	0.000413	0.057735	0.026241	
PAR1810	0.00054	0.0003	0.00081	0.00045	0.051962	0.028868	

PEN2010	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PUNT1010	0.000167	0.000167	0.00025	0.00025	0.028868	0.028868	
TIR20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
TORN20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Tonf	Tonf-s2/m		
CORREA	No	No	Blue	2.6146	0.27	No	1.
DIAG1010	No	No	Magenta	0.2525	2.575E-02	No	1.
M-2-4x2	No	No	Yellow	0.	0.	No	1.
M-4x2	No	No	Red	0.	0.	No	1.
M9.09X10	No	No	Magenta	0.	0.	No	1.
M9.09X20	No	No	Cyan	0.0522	5.327E-03	No	1.
PAR1810	No	No	Cyan	1.1457	0.12	No	1.
PEN2010	No	No	White	0.331	3.375E-02	No	1.
PUNT1010	No	No	Cyan	0.1883	1.920E-02	No	1.
TIR20X10	No	No	Magenta	1.1261	0.11	No	1.
TORN20X10	No	No	Blue	0.3219	3.283E-02	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
CORREA	1.	1.	1.	1.	1.	1.	1.
DIAG1010	1.	1.	1.	1.	1.	1.	1.
M-2-4x2	1.	1.	1.	1.	1.	1.	1.
M-4x2	1.	1.	1.	1.	1.	1.	1.
M9.09X10	1.	1.	1.	1.	1.	1.	1.
M9.09X20	1.	1.	1.	1.	1.	1.	1.
PAR1810	1.	1.	1.	1.	1.	1.	1.
PEN2010	1.	1.	1.	1.	1.	1.	1.
PUNT1010	1.	1.	1.	1.	1.	1.	1.
TIR20X10	1.	1.	1.	1.	1.	1.	1.
TORN20X10	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
CORREA			
DIAG1010			
M-2-4x2			

M-4x2			
M9.09X10			
M9.09X20			
PAR1810			
PEN2010			
PUNT1010			
TIR20X10			
TORN20X10			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
CORREA	Added 01/06/2017 01:02:20
DIAG1010	Added 01/06/2017 00:08:57
M-2-4x2	Added 12/01/2017 1:40:53 a. m.
M-4x2	Added 12/01/2017 1:40:05 a. m.
M9.09X10	Added 01/06/2017 00:33:52
M9.09X20	Added 01/06/2017 00:31:59
PAR1810	Added 01/06/2017 00:06:46
PEN2010	Added 01/06/2017 00:08:01
PUNT1010	Added 01/06/2017 00:08:43
TIR20X10	Added 01/06/2017 00:07:12
TORN20X10	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X	x1	-0.51	Secondary	Gray8Dark	No	End
GLOBAL	X	H	0.	Primary	Gray8Dark	Yes	End
GLOBAL	X	h1	1.9	Secondary	Gray8Dark	No	End
GLOBAL	X	I	2.94	Primary	Gray8Dark	Yes	End
GLOBAL	X	i1	4.23	Secondary	Gray8Dark	No	End
GLOBAL	X	i2	5.4	Secondary	Gray8Dark	No	End
GLOBAL	X	cL	7.045	Secondary	Gray8Dark	No	End
GLOBAL	X	i3	8.69	Secondary	Gray8Dark	No	End
GLOBAL	X	i4	9.86	Secondary	Gray8Dark	No	End
GLOBAL	X	J	11.15	Primary	Gray8Dark	Yes	End
GLOBAL	X	j1	12.19	Secondary	Gray8Dark	No	End
GLOBAL	X	K	14.09	Primary	Gray8Dark	Yes	End
GLOBAL	X	k1	14.6	Secondary	Gray8Dark	No	End
GLOBAL	Y	CH6	0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Y	CH5	3.03	Primary	Gray8Dark	Yes	Start
GLOBAL	Y	CH4	6.29	Primary	Gray8Dark	Yes	Start

GLOBAL	Y	CH3	9.58	Primary	Gray8Dark	Yes	Start
GLOBAL	Y	CH2	12.82	Primary	Gray8Dark	Yes	Start
GLOBAL	Y	CH1	16.24	Primary	Gray8Dark	Yes	Start
GLOBAL	Z	Z1	0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z	Z2	1.15	Primary	Gray8Dark	Yes	End
GLOBAL	Z	Z3	2.79	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	0.6
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
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GLOBAL		

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

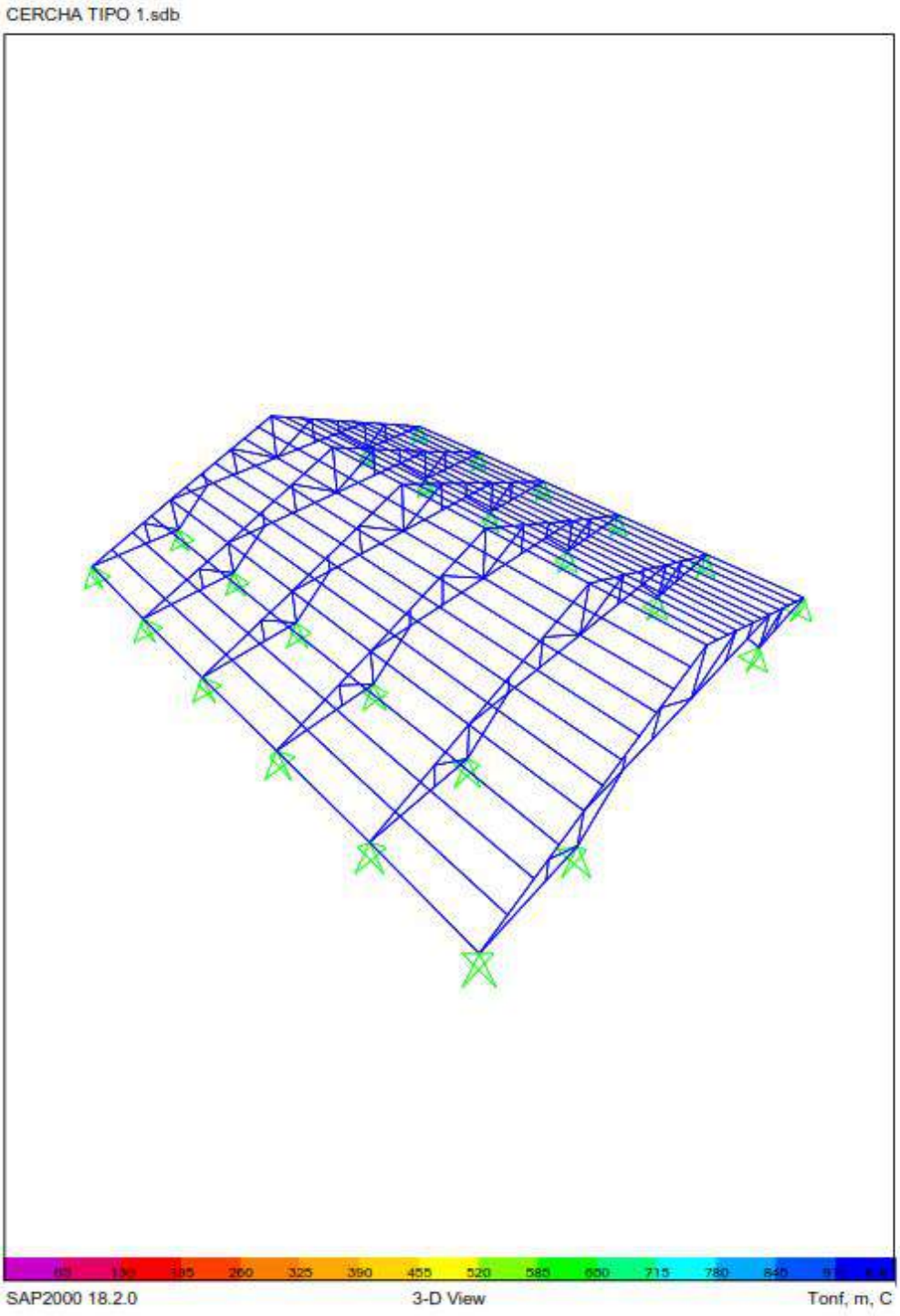
Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

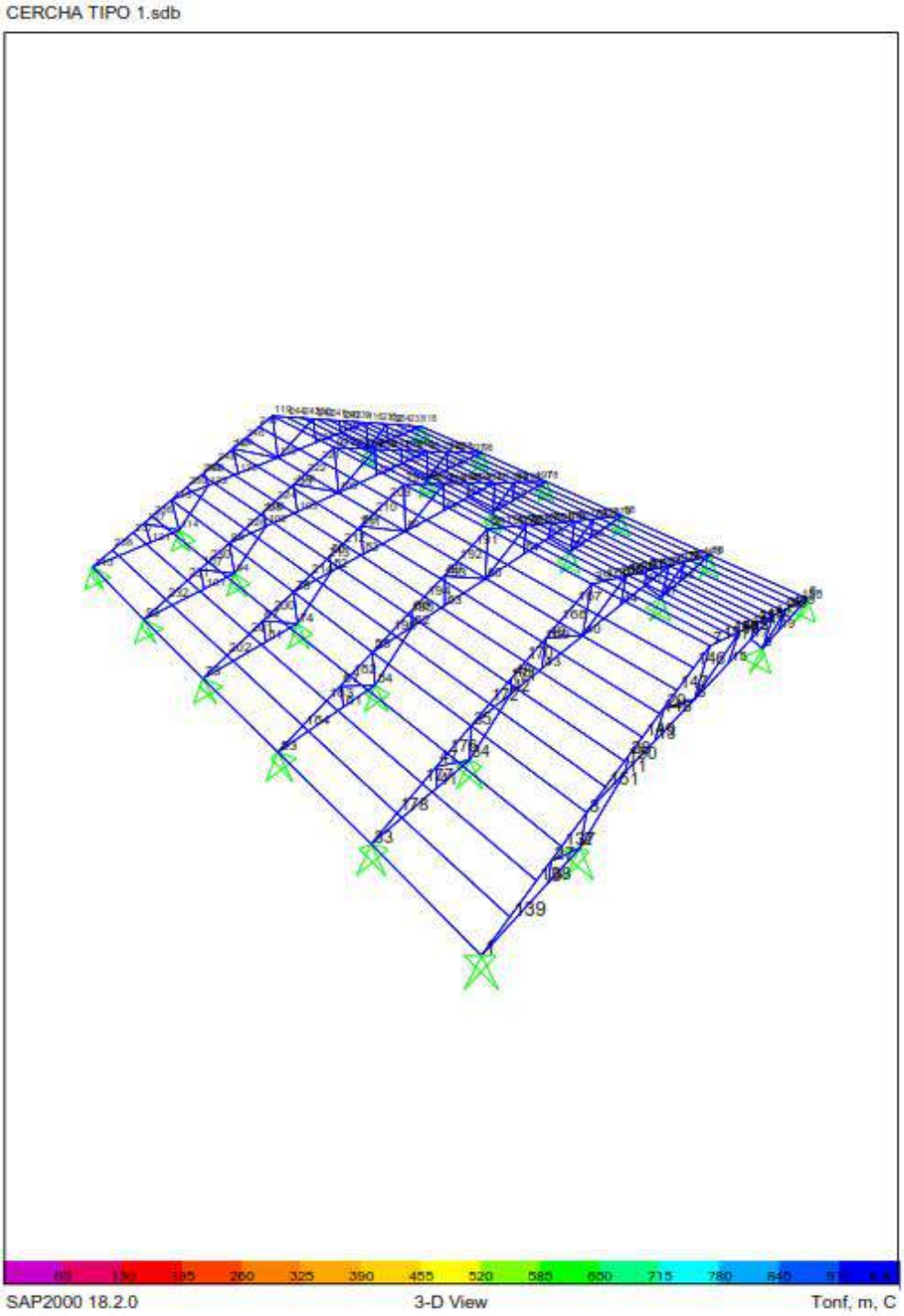
Table: Material Properties 01 - General, Part 1 of 2

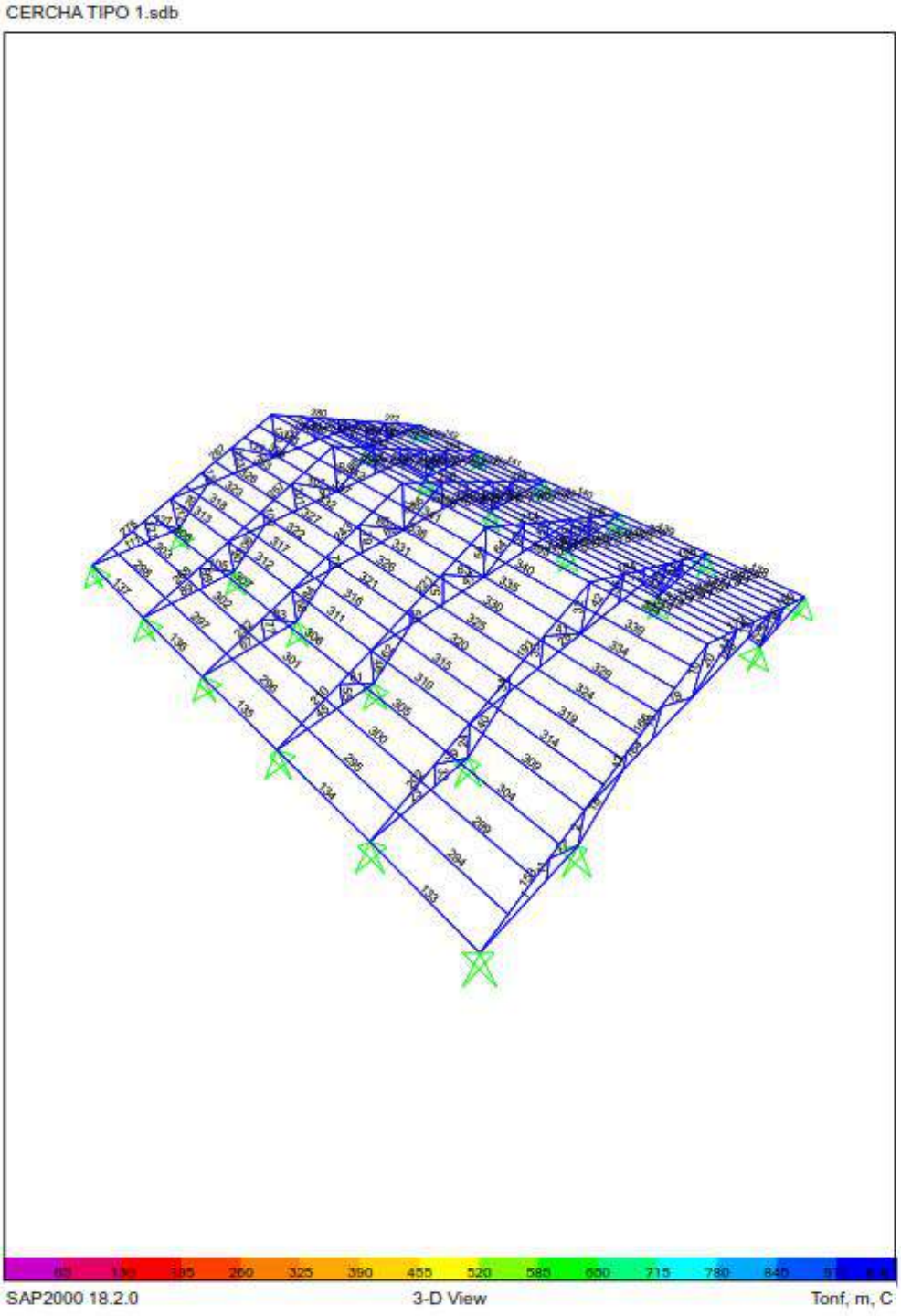
Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

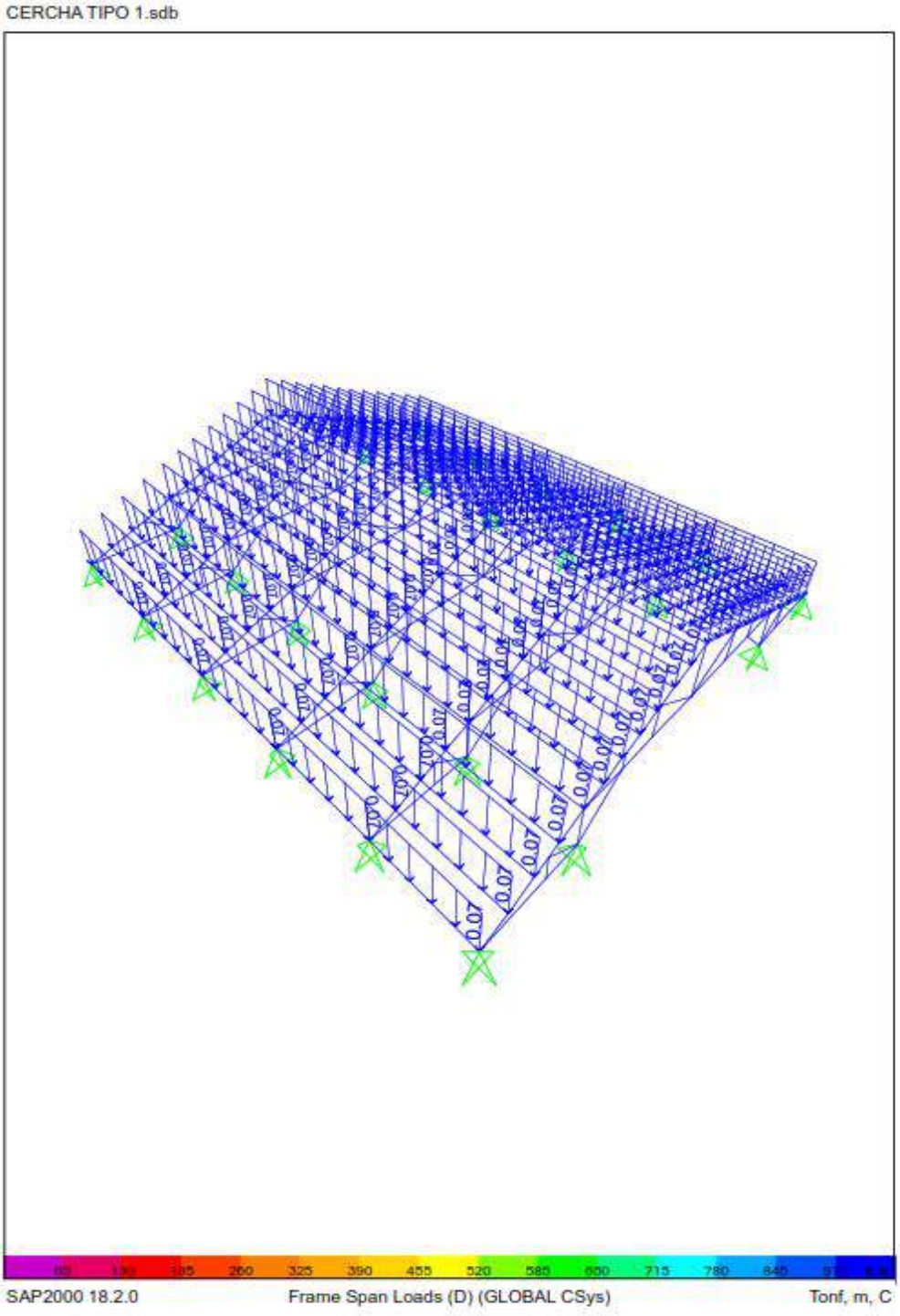
Table: Material Properties 01 - General, Part 2 of 2

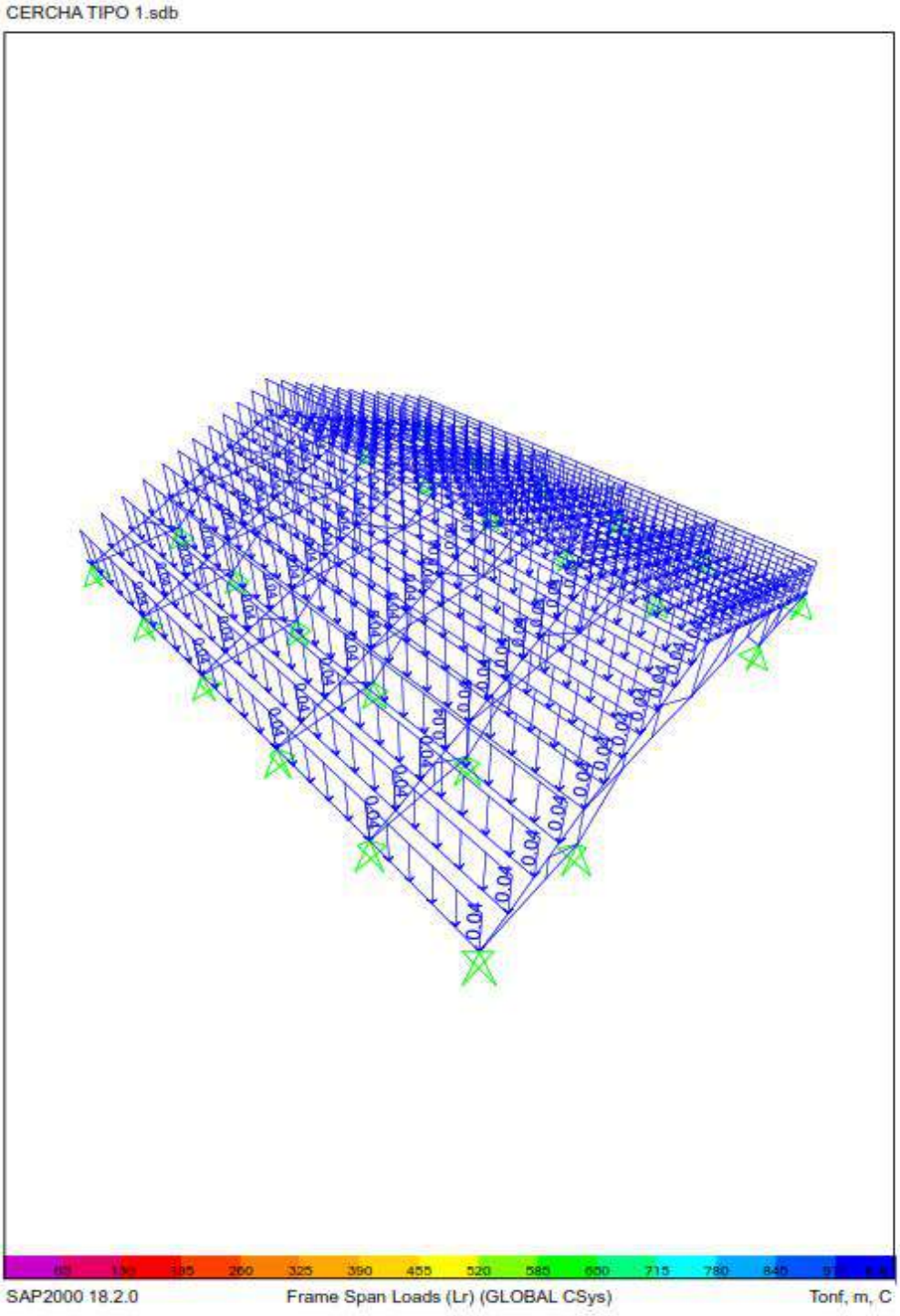
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

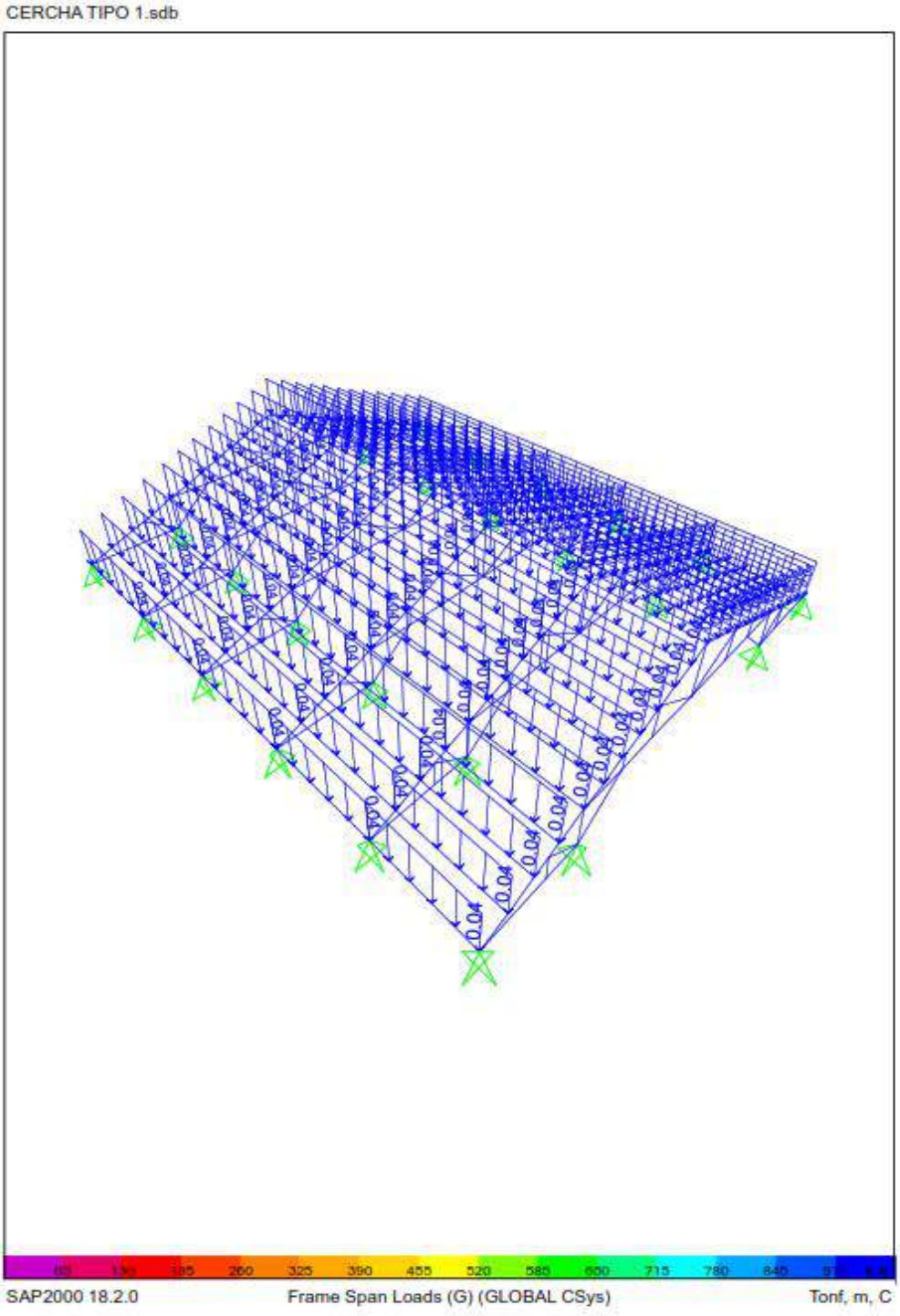

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65
130
195
260
325
390
455
520
585
650
715
780
845
SAP2000 18.2.0
3-D View
Tonf, m, C

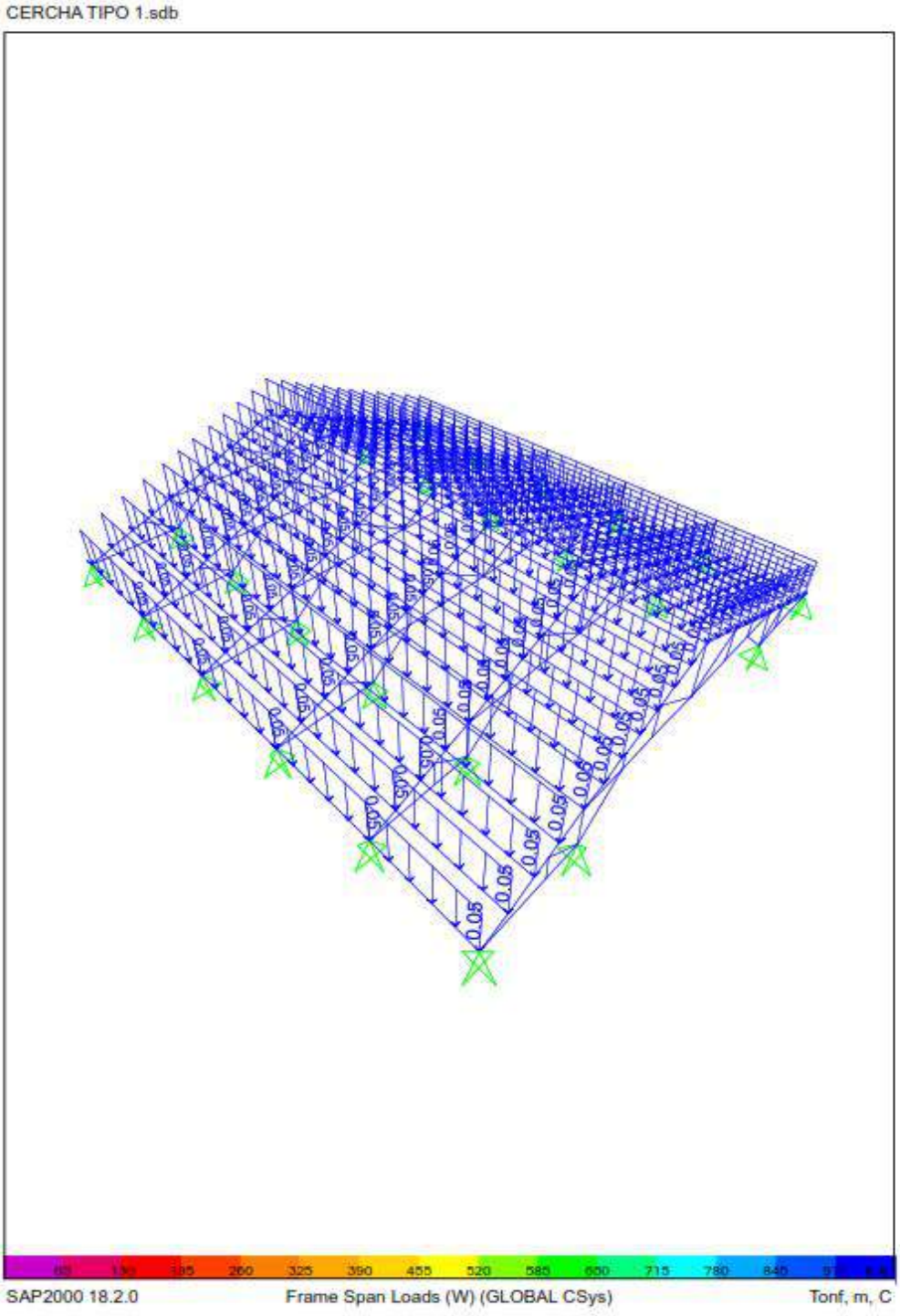

CERCHA TIPO 1.sdb
65
130
195
260
325
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455
520
585
650
715
780
845
SAP2000 18.2.0
3-D View
Tonf, m, C


CERCHA TIPO 1.sdb
65 130 195 260 325 390 455 520 585 650 715 780 845
SAP2000 18.2.0
3-D View
Tonf, m, C

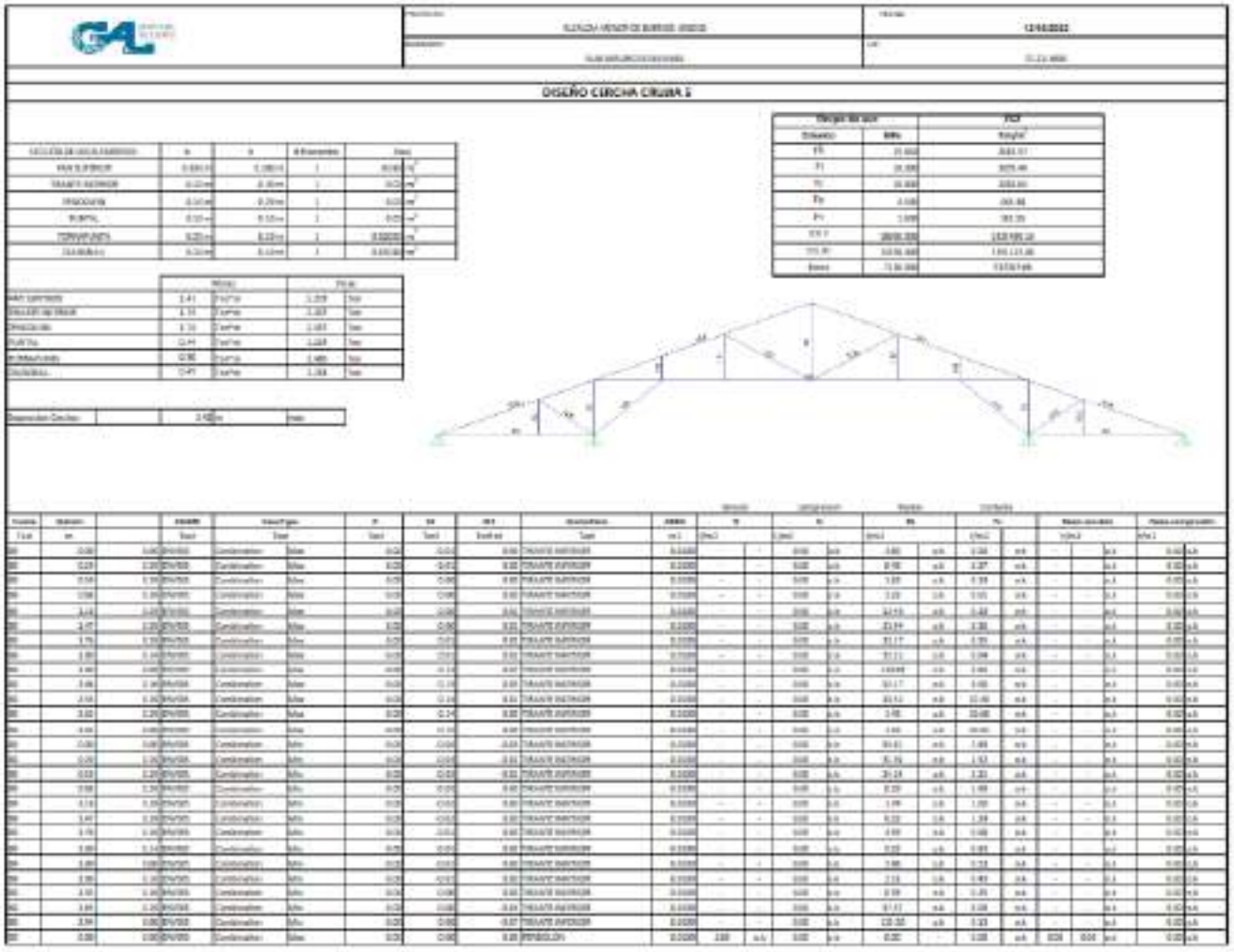

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0.07
65 130 195 260 325 390 455 520 585 650 715 780 845
SAP2000 18.2.0
Frame Span Loads (D) (GLOBAL CSys)
Tonf, m, C


CERCHA TIPO 1.sdb
SAP2000 18.2.0
Frame Span Loads (Lr) (GLOBAL CSys)
Tonf, m, C


CERCHA TIPO 1.sdb
SAP2000 18.2.0
Frame Span Loads (G) (GLOBAL CSys)
Tonf, m, C


CERCHA TIPO 1.sdb
0.05
260
325
390
455
520
585
650
715
780
845
SAP2000 18.2.0
Frame Span Loads (W) (GLOBAL CSys)
Tonf, m, C

Analisis Elementos Grupo ES2



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
90	0.12	0.12	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0200	2.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.23	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.79	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.35	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.46	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.58	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.69	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.98	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.81	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.03	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.92	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.08	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	1.04	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.13	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	1.15	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.00	0.00	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.24	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.12	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.23	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.35	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.46	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.92	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.58	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.84	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.69	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.76	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.81	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.67	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	0.92	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.59	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	1.04	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
90	1.15	0.00	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
91	0.00	0.00	ENVDIS	Combination	Max	1.60	0.00	0.00	TIRANTE INFERIOR	0.0200	80.24	o.k	0.00	o.k	2.56	o.k	0.11	o.k	0.04	-0.03	o.k	0.00	o.k
91	0.82	0.82	ENVDIS	Combination	Max	1.60	0.01	0.05	TIRANTE INFERIOR	0.0200	80.24	o.k	0.00	o.k	61.52	o.k	0.40	o.k	0.07	-0.01	o.k	0.00	o.k
91	1.29	0.47	ENVDIS	Combination	Max	1.60	0.01	0.12	TIRANTE INFERIOR	0.0200	80.24	o.k	0.00	o.k	216.72	o.k	0.70	o.k	0.13	0.05	o.k	0.00	o.k
91	1.29	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	5.15	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
91	1.84	0.35	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	3.22	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
91	2.46	0.82	ENVDIS	Combination	Max	0.00	0.01	0.21	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	390.53	o.k	0.85	o.k	0.15	0.15	o.k	0.00	o.k
91	2.46	0.00	ENVDIS	Combination	Max	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	2.69	o.k	0.48	o.k	0.00	0.00	o.k	0.00	o.k
91	3.28	0.82	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	3.02	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
91	4.11	0.82	ENVDIS	Combination	Max	0.00	0.01	0.05	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	49.44	o.k	0.55	o.k	0.02	0.02	o.k	0.00	o.k
91	4.11	0.00	ENVDIS	Combination	Max	0.00	0.02	0.05	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	49.44	o.k	1.88	o.k	0.02	0.02	o.k	0.00	o.k
91	4.93	0.82	ENVDIS	Combination	Max	0.00	0.04	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	3.02	o.k	2.72	o.k	0.00	0.00	o.k	0.00	o.k
91	5.75	0.82	ENVDIS	Combination	Max	0.00	0.05	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	2.69	o.k	3.58	o.k	0.00	0.00	o.k	0.00	o.k
91	5.75	0.00	ENVDIS	Combination	Max	0.00	0.35	0.21	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	390.53	o.k	26.61	o.k	0.15	0.15	o.k	0.00	o.k
91	6.57	0.82	ENVDIS	Combination	Max	0.00	0.37	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	3.22	o.k	27.47	o.k	0.00	0.00	o.k	0.00	o.k
91	6.92	0.35	ENVDIS	Combination	Max	0.00	0.37	0.00	TIRANTE INFERIOR	0.0200	0.25	o.k	0.00	o.k	5.15	o.k	27.84	o.k	0.00	0.00	o.k	0.00	o.k
91	6.92	0.00	ENVDIS	Combination	Max	1.60	0.18	0.12	TIRANTE INFERIOR	0.0200	80.24	o.k	0.00	o.k	216.72	o.k	13.15	o.k	0.13	0.05	o.k	0.00	o.k
91	7.39	0.47	ENVDIS	Combination	Max	1.60	0.18	0.05	TIRANTE INFERIOR	0.0200	80.24	o.k	0.00	o.k	61.52	o.k	13.65	o.k	0.07	-0.01	o.k	0.00	o.k
91	8.21	0.00	ENVDIS	Combination	Max	1.60	0.19	0.00	TIRANTE INFERIOR	0.0200	80.24	o.k	0.00	o.k	2.56	o.k	14.51	o.k	0.04	-0.03	o.k	0.00	o.k
91	0.00	0.00	ENVDIS	Combination	Min	-0.04	-0.19	-0.12	TIRANTE INFERIOR	0.0200	-	-	1.77	o.k	223.91	o.k	14.51	o.k	-	-	o.k	0.09	o.k
91	0.82	0.82	ENVDIS	Combination	Min	-0.04	-0.18	0.00	TIRANTE INFERIOR	0.0200	-	-	1.77	o.k	0.44	o.k	13.65	o.k	-	-	o.k	0.00	o.k
91	1.29	0.47	ENVDIS	Combination	Min	-0.04	-0.18	0.00	TIRANTE INFERIOR	0.0200	-	-	1.77	o.k	6.87	o.k	13.15	o.k	-	-	o.k	0.00	o.k
91	1.29	0.00	ENVDIS	Combination	Min	-0.21	-0.37	-0.21	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	396.24	o.k	27.84	o.k	-	-	o.k	0.15	o.k
91	1.64	0.35	ENVDIS	Combination	Min	-0.21	-0.37	-0.08	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	155.87	o.k	27.47	o.k	-	-	o.k	0.06	o.k
91	2.46	0.82	ENVDIS	Combination	Min	-0.21	-0.35	0.00	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	8.69	o.k	26.61	o.k	-	-	o.k	0.00	o.k
91	2.46	0.00	ENVDIS	Combination	Min	-0.21	-0.05	-0.05	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	61.15	o.k	3.58	o.k	-	-	o.k	0.02	o.k
91	3.28	0.82	ENVDIS	Combination	Min	-0.21	-0.04	0.00	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	1.76	o.k	2.72	o.k	-	-	o.k	0.00	o.k
91	4.11	0.82	ENVDIS	Combination	Min	-0.21	-0.02	0.00	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	4.35	o.k	1.88	o.k	-	-	o.k	0.00	o.k
91	4.11	0.00	ENVDIS	Combination	Min	-0.21	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	4.35	o.k	0.55	o.k	-	-	o.k	0.00	o.k
91	4.93	0.82	ENVDIS	Combination	Min	-0.21	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	1.76	o.k	0.04	o.k	-	-	o.k	0.00	o.k
91	5.75	0.82	ENVDIS	Combination	Min	-0.21	0.01	-0.05	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	61.15	o.k	0.48	o.k	-	-	o.k	0.02	o.k
91	5.75	0.00	ENVDIS	Combination	Min	-0.21	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	8.69	o.k	0.85	o.k	-	-	o.k	0.00	o.k
91	6.57	0.82	ENVDIS	Combination	Min	-0.21	0.00	-0.08	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	155.87	o.k	0.33	o.k	-	-	o.k	0.06	o.k
91	6.92	0.35	ENVDIS	Combination	Min	-0.21	0.00	-0.21	TIRANTE INFERIOR	0.0200	-	-	10.69	o.k	396.24	o.k	0.11	o.k	-	-	o.k	0.15	o.k
91	6.92	0.00	ENVDIS	Combination	Min	-0.04	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	1.77	o.k	6.87	o.k	0.70	o.k	-	-	o.k	0.00	o.k
91	7.39	0.47	ENVDIS	Combination	Min	-0.04	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	1.77	o.k	0.44	o.k	0.40	o.k	-	-	o.k	0.00	o.k
91	8.21	0.00	ENVDIS	Combination	Min	-0.04	0.00	-0.12	TIRANTE INFERIOR	0.0200	-	-	1.77	o.k	223.91	o.k	0.11	o.k	-	-	o.k	0.09	o.k
92	0.00	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.12	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.13	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.23	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.08	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.35	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	3.03	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.46	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0200	2.98	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
92	0.58	0.12	ENVDIS	Combination	Max	0.08	0.00	0.00	PENDOLON	0.0200	2.95	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.69	0.12	ENVDIS	Combination	Max	0.08	0.00	0.00	PENDOLON	0.0200	2.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.81	0.12	ENVDIS	Combination	Max	0.08	0.00	0.00	PENDOLON	0.0200	2.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.92	0.12	ENVDIS	Combination	Max	0.08	0.00	0.00	PENDOLON	0.0200	2.79	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	1.04	0.12	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0200	2.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	1.15	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0200	2.69	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.00	0.00	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.12	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.23	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.59	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.35	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.67	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.46	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.76	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.58	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.84	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.69	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.92	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.81	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	0.92	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	1.04	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
92	1.15	0.00	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.24	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
93	0.00	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	1.19	o.k	0.13	o.k	-	-	o.k	0.00	o.k
93	0.29	0.29	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	1.45	o.k	0.08	o.k	-	-	o.k	0.00	o.k
93	0.58	0.29	ENVDIS	Combination	Max	0.00	0.00	0.01	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	18.52	o.k	0.25	o.k	-	-	o.k	0.00	o.k
93	0.88	0.29	ENVDIS	Combination	Max	0.00	0.01	0.05	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	92.17	o.k	0.45	o.k	-	-	o.k	0.00	o.k
93	1.04	0.16	ENVDIS	Combination	Max	0.00	0.01	0.07	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	130.83	o.k	0.53	o.k	-	-	o.k	0.00	o.k
93	1.04	0.00	ENVDIS	Combination	Max	0.00	0.01	0.02	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	35.22	o.k	0.83	o.k	-	-	o.k	0.00	o.k
93	1.18	0.14	ENVDIS	Combination	Max	0.00	0.01	0.02	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	32.17	o.k	0.98	o.k	-	-	o.k	0.00	o.k
93	1.47	0.29	ENVDIS	Combination	Max	0.00	0.02	0.01	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	23.94	o.k	1.29	o.k	-	-	o.k	0.00	o.k
93	1.76	0.29	ENVDIS	Combination	Max	0.00	0.02	0.01	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	13.46	o.k	1.60	o.k	-	-	o.k	0.00	o.k
93	2.06	0.29	ENVDIS	Combination	Max	0.00	0.03	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	5.22	o.k	1.90	o.k	-	-	o.k	0.00	o.k
93	2.35	0.29	ENVDIS	Combination	Max	0.00	0.03	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	1.65	o.k	2.21	o.k	-	-	o.k	0.00	o.k
93	2.65	0.29	ENVDIS	Combination	Max	0.00	0.03	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	0.45	o.k	2.52	o.k	-	-	o.k	0.00	o.k
93	2.94	0.00	ENVDIS	Combination	Max	0.00	0.04	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	3.85	o.k	2.83	o.k	-	-	o.k	0.00	o.k
93	0.00	0.00	ENVDIS	Combination	Min	0.00	-0.15	-0.07	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	135.50	o.k	10.92	o.k	-	-	o.k	0.00	o.k
93	0.29	0.29	ENVDIS	Combination	Min	0.00	-0.14	-0.05	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	57.37	o.k	10.60	o.k	-	-	o.k	0.00	o.k
93	0.58	0.29	ENVDIS	Combination	Min	0.00	-0.14	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	0.35	o.k	10.30	o.k	-	-	o.k	0.00	o.k
93	0.88	0.29	ENVDIS	Combination	Min	0.00	-0.13	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	2.11	o.k	9.99	o.k	-	-	o.k	0.00	o.k
93	1.04	0.16	ENVDIS	Combination	Min	0.00	-0.13	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	5.98	o.k	9.82	o.k	-	-	o.k	0.00	o.k
93	1.04	0.00	ENVDIS	Combination	Min	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	5.52	o.k	0.64	o.k	-	-	o.k	0.00	o.k
93	1.18	0.14	ENVDIS	Combination	Min	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	3.54	o.k	0.55	o.k	-	-	o.k	0.00	o.k
93	1.47	0.29	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	0.22	o.k	0.36	o.k	-	-	o.k	0.00	o.k
93	1.76	0.29	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	1.74	o.k	0.18	o.k	-	-	o.k	0.00	o.k
93	2.06	0.29	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	0.19	o.k	0.01	o.k	-	-	o.k	0.00	o.k
93	2.35	0.29	ENVDIS	Combination	Min	0.00	0.00	-0.01	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	14.19	o.k	0.19	o.k	-	-	o.k	0.00	o.k
93	2.65	0.29	ENVDIS	Combination	Min	0.00	0.01	-0.02	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	31.39	o.k	0.37	o.k	-	-	o.k	0.00	o.k
93	2.94	0.00	ENVDIS	Combination	Min	0.00	0.01	-0.03	TIRANTE INFERIOR	0.0200	-	-	0.00	o.k	50.81	o.k	0.56	o.k	-	-	o.k	0.00	o.k
98	0.00	0.00	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0200	6.56	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.16	0.16	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0200	6.48	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.33	0.16	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0200	6.59	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.49	0.16	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0200	6.71	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.66	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0200	6.82	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.82	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0200	6.95	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.98	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0200	7.05	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.15	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0200	7.16	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.31	0.16	ENVDIS	Combination	Max	0.15	0.00	0.00	PENDOLON	0.0200	7.28	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.48	0.16	ENVDIS	Combination	Max	0.15	0.00	0.00	PENDOLON	0.0200	7.39	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.64	0.00	ENVDIS	Combination	Max	0.15	0.00	0.00	PENDOLON	0.0200	7.51	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.00	0.00	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0200	0.94	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.16	0.16	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0200	1.01	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.33	0.16	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0200	1.08	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.49	0.16	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0200	1.15	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.66	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.22	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.82	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.29	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.98	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.36	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.15	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.43	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
98	1.31	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDIOLON	0.0100	1.50	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.48	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDIOLON	0.0100	1.56	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.64	0.00	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDIOLON	0.0100	1.63	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.55	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.07	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.58	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.15	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.61	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.22	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.64	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.30	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.68	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.37	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.71	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.45	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.52	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.59	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.67	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.83	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.74	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.86	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.00	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.07	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.15	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.11	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.22	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.30	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.37	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.96	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.45	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.52	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.59	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.67	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.74	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.69	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.05	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.76	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.10	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.78	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.15	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.21	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.82	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.26	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.31	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.87	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.36	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.41	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.91	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.46	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.52	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.95	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.00	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.93	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.05	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.10	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.86	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.15	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.21	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.26	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.31	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.71	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.36	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.41	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.64	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.46	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.61	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.52	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.57	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.10	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.81	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.20	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.85	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.29	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.39	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.49	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.97	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.59	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.01	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.69	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.06	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.79	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.10	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.88	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.14	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.98	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.00	0.00	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0100	-	-	30.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.10	0.10	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0100	-	-	30.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.20	0.10	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0100	-	-	30.56	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.29	0.10	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0100	-	-	30.50	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
101	0.59	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.49	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.56	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.59	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.29	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.69	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.79	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.88	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.98	0.00	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.10	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.81	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.20	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.85	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.29	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.39	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.49	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.97	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.59	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.01	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.69	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.06	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.79	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.10	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.88	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.14	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.98	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.00	0.00	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.10	0.10	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.20	0.10	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.56	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.29	0.10	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.50	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.39	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.49	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.36	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.59	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.29	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.69	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.79	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.88	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.98	0.00	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.05	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.76	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.10	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.78	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.15	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.21	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.82	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.26	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.31	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.87	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.36	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.41	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.91	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.46	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.52	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.95	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.00	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.93	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.05	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.10	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.86	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.15	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.21	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.26	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.31	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.71	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.36	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.41	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.64	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.46	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.61	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.52	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.57	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.55	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.07	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.58	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.15	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.61	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.22	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.64	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.30	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.68	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.37	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.71	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.45	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.52	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.59	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.67	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.83	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.74	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.86	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
104	0.00	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	14.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.07	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	14.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.15	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	14.11	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.22	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	14.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.30	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	14.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.37	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	13.96	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.45	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	13.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.52	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	13.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.59	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	13.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.67	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	13.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.74	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0030	-	-	13.69	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
105	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	1.99	o.k	0.00	o.k	0.00	-	0.32	o.k	0.00	0.00	o.k	0.00	o.k
105	0.13	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.02	o.k	0.00	o.k	0.78	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
105	0.26	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.05	o.k	0.00	o.k	1.37	o.k	0.19	o.k	0.00	0.00	o.k	0.00	o.k
105	0.38	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.08	o.k	0.00	o.k	1.81	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
105	0.51	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.11	o.k	0.00	o.k	2.07	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
105	0.64	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.15	o.k	0.00	o.k	2.15	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
105	0.77	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.18	o.k	0.00	o.k	2.07	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
105	0.89	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.20	o.k	0.00	o.k	1.81	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k
105	1.02	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.25	o.k	0.00	o.k	1.37	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
105	1.15	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.26	o.k	0.00	o.k	0.78	o.k	0.45	o.k	0.00	0.00	o.k	0.00	o.k
105	1.28	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0302	2.29	o.k	0.00	o.k	0.00	o.k	0.55	o.k	0.00	0.00	o.k	0.00	o.k
105	0.00	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.94	o.k	0.00	-	0.53	o.k	-	-	o.k	0.00	o.k
105	0.13	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.89	o.k	0.46	o.k	0.45	o.k	-	-	o.k	0.00	o.k
105	0.26	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.84	o.k	0.85	o.k	0.32	o.k	-	-	o.k	0.00	o.k
105	0.38	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.79	o.k	1.09	o.k	0.22	o.k	-	-	o.k	0.00	o.k
105	0.51	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.74	o.k	1.24	o.k	0.11	o.k	-	-	o.k	0.00	o.k
105	0.64	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.68	o.k	1.30	o.k	0.00	o.k	-	-	o.k	0.00	o.k
105	0.77	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.63	o.k	1.24	o.k	0.06	o.k	-	-	o.k	0.00	o.k
105	0.89	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.58	o.k	1.09	o.k	0.13	o.k	-	-	o.k	0.00	o.k
105	1.02	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.53	o.k	0.83	o.k	0.19	o.k	-	-	o.k	0.00	o.k
105	1.15	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.48	o.k	0.46	o.k	0.25	o.k	-	-	o.k	0.00	o.k
105	1.28	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0302	-	-	85.42	o.k	0.00	o.k	0.32	o.k	-	-	o.k	0.00	o.k
106	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.06	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
106	0.17	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.11	o.k	0.00	o.k	1.30	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
106	0.35	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.16	o.k	0.00	o.k	2.31	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
106	0.52	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.21	o.k	0.00	o.k	3.04	o.k	0.16	o.k	0.00	0.00	o.k	0.00	o.k
106	0.69	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.26	o.k	0.00	o.k	3.46	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
106	0.86	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.31	o.k	0.00	o.k	3.61	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
106	1.04	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.34	o.k	0.00	o.k	3.46	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
106	1.21	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0302	5.39	o.k	0.00	o.k	3.04	o.k	0.27	o.k	0.00	0.00	o.k	0.00	o.k
106	1.38	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL;	0.0302	5.44	o.k	0.00	o.k	2.31	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
106	1.56	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL;	0.0302	5.49	o.k	0.00	o.k	1.30	o.k	0.55	o.k	0.00	0.00	o.k	0.00	o.k
106	1.73	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL;	0.0302	5.54	o.k	0.00	o.k	0.00	o.k	0.86	o.k	0.00	0.00	o.k	0.00	o.k
106	0.00	0.00	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0302	-	-	240.18	o.k	0.00	-	0.86	o.k	-	-	o.k	0.01	o.k
106	0.17	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0302	-	-	240.10	o.k	0.78	o.k	0.55	o.k	-	-	o.k	0.01	o.k
106	0.35	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0302	-	-	240.02	o.k	1.39	o.k	0.40	o.k	-	-	o.k	0.01	o.k
106	0.52	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0302	-	-	239.94	o.k	1.81	o.k	0.27	o.k	-	-	o.k	0.01	o.k
106	0.69	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0302	-	-	239.86	o.k	2.07	o.k	0.13	o.k	-	-	o.k	0.01	o.k
106	0.86	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0302	-	-	239.78	o.k	2.17	o.k	0.00	o.k	-	-	o.k	0.01	o.k
106	1.04	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0302	-	-	239.70	o.k	2.07	o.k	0.08	o.k	-	-	o.k	0.01	o.k
106	1.21	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0302	-	-	239.63	o.k	1.81	o.k	0.16	o.k	-	-	o.k	0.01	o.k
106	1.38	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0302	-	-	239.55	o.k	1.39	o.k	0.24	o.k	-	-	o.k	0.01	o.k
106	1.56	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0302	-	-	239.47	o.k	0.78	o.k	0.32	o.k	-	-	o.k	0.01	o.k
106	1.73	0.00	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0302	-	-	239.39	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.01	o.k
107	0.00	0.00	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0205	0.58	o.k	0.00	o.k	0.00	-	0.51	o.k	0.00	0.00	o.k	0.00	o.k
107	0.19	0.19	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0205	0.42	o.k	0.00	o.k	3.69	o.k	0.41	o.k	0.00	0.00	o.k	0.00	o.k
107	0.38	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0205	0.46	o.k	0.00	o.k	6.54	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
107	0.57	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0205	0.50	o.k	0.00	o.k	8.57	o.k	0.21	o.k	0.00	0.00	o.k	0.00	o.k
107	0.77	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0205	0.54	o.k	0.00	o.k	9.81	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
107	0.96	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0205	0.58	o.k	0.00	o.k	10.22	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
107	1.15	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0205	0.63	o.k	0.00	o.k	9.81	o.k	0.17	o.k	0.00	0.00	o.k	0.00	o.k
107	1.34	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0205	0.66	o.k	0.00	o.k	8.57	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
107	1.53	0.19	ENVDIS	Combination	Max	0.01	0.01	0.00	TORNAPUNTA	0.0205	0.70	o.k	0.00	o.k	6.54	o.k	0.51	o.k	0.00	0.00	o.k	0.00	o.k
107	1.73	0.19	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0205	0.74	o.k	0.00	o.k	3.69	o.k	0.68	o.k	0.00	0.00	o.k	0.00	o.k
107	1.92	0.00	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0205	0.79	o.k	0.00	o.k	0.00	o.k	0.85	o.k	0.00	0.00	o.k	0.00	o.k
107	0.00	0.00	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0205	-	-	7.53	o.k	0.00	-	0.85	o.k	-	-	o.k	0.00	o.k
107	0.19	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0205	-	-	7.47	o.k	2.20	o.k	0.68	o.k	-	-	o.k	0.00	o.k
107	0.38	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0205	-	-	7.40	o.k	3.95	o.k	0.51	o.k	-	-	o.k	0.00	o.k
107	0.57	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0205	-	-	7.33	o.k	5.15	o.k	0.34	o.k	-	-	o.k	0.00	o.k
107	0.77	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0205	-	-	7.26	o.k	5.89	o.k	0.17	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
107	0.96	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.19	o.k	6.15	o.k	0.00	o.k	-	-	o.k	0.00	o.k
107	1.15	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.13	o.k	5.89	o.k	0.10	o.k	-	-	o.k	0.00	o.k
107	1.34	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.06	o.k	5.15	o.k	0.21	o.k	-	-	o.k	0.00	o.k
107	1.53	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0025	-	-	6.99	o.k	5.95	o.k	0.30	o.k	-	-	o.k	0.00	o.k
107	1.72	0.19	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0025	-	-	6.82	o.k	2.20	o.k	0.41	o.k	-	-	o.k	0.00	o.k
107	1.92	0.00	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0025	-	-	6.86	o.k	0.00	o.k	0.51	o.k	-	-	o.k	0.00	o.k
108	0.00	0.00	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0025	0.38	o.k	0.00	o.k	0.00	-	0.51	o.k	0.00	0.00	o.k	0.00	o.k
108	0.19	0.19	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0025	0.42	o.k	0.00	o.k	5.89	o.k	0.41	o.k	0.00	0.00	o.k	0.00	o.k
108	0.38	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0025	0.46	o.k	0.00	o.k	6.54	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
108	0.57	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0025	0.50	o.k	0.00	o.k	8.57	o.k	0.21	o.k	0.00	0.00	o.k	0.00	o.k
108	0.77	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0025	0.54	o.k	0.00	o.k	9.81	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
108	0.96	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0025	0.58	o.k	0.00	o.k	10.22	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
108	1.15	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0025	0.63	o.k	0.00	o.k	9.81	o.k	0.17	o.k	0.00	0.00	o.k	0.00	o.k
108	1.34	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0025	0.66	o.k	0.00	o.k	8.57	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
108	1.53	0.19	ENVDIS	Combination	Max	0.01	0.01	0.00	TORNAPUNTA	0.0025	0.70	o.k	0.00	o.k	6.54	o.k	0.51	o.k	0.00	0.00	o.k	0.00	o.k
108	1.72	0.19	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0025	0.74	o.k	0.00	o.k	5.89	o.k	0.68	o.k	0.00	0.00	o.k	0.00	o.k
108	1.92	0.00	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0025	0.79	o.k	0.00	o.k	0.00	o.k	0.85	o.k	0.00	0.00	o.k	0.00	o.k
108	0.00	0.00	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0025	-	-	7.53	o.k	0.00	-	0.85	o.k	-	-	o.k	0.00	o.k
108	0.19	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0025	-	-	7.47	o.k	2.20	o.k	0.68	o.k	-	-	o.k	0.00	o.k
108	0.38	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0025	-	-	7.40	o.k	5.95	o.k	0.51	o.k	-	-	o.k	0.00	o.k
108	0.57	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.33	o.k	5.15	o.k	0.54	o.k	-	-	o.k	0.00	o.k
108	0.77	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.26	o.k	5.89	o.k	0.17	o.k	-	-	o.k	0.00	o.k
108	0.96	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.19	o.k	6.15	o.k	0.00	o.k	-	-	o.k	0.00	o.k
108	1.15	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.13	o.k	5.89	o.k	0.10	o.k	-	-	o.k	0.00	o.k
108	1.34	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0025	-	-	7.06	o.k	5.15	o.k	0.21	o.k	-	-	o.k	0.00	o.k
108	1.53	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0025	-	-	6.99	o.k	5.95	o.k	0.30	o.k	-	-	o.k	0.00	o.k
108	1.72	0.19	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0025	-	-	6.82	o.k	2.20	o.k	0.41	o.k	-	-	o.k	0.00	o.k
108	1.92	0.00	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0025	-	-	6.86	o.k	0.00	o.k	0.51	o.k	-	-	o.k	0.00	o.k
109	0.00	0.00	ENVDIS	Combination	Max	0.01	0.00	0.00	DIAGONAL;	0.0102	1.99	o.k	0.00	o.k	0.00	-	0.32	o.k	0.00	0.00	o.k	0.00	o.k
109	0.13	0.13	ENVDIS	Combination	Max	0.01	0.00	0.00	DIAGONAL;	0.0102	2.02	o.k	0.00	o.k	0.78	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
109	0.26	0.13	ENVDIS	Combination	Max	0.01	0.00	0.00	DIAGONAL;	0.0102	2.05	o.k	0.00	o.k	1.57	o.k	0.19	o.k	0.00	0.00	o.k	0.00	o.k
109	0.38	0.13	ENVDIS	Combination	Max	0.01	0.00	0.00	DIAGONAL;	0.0102	2.08	o.k	0.00	o.k	1.81	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
109	0.51	0.13	ENVDIS	Combination	Max	0.01	0.00	0.00	DIAGONAL;	0.0102	2.11	o.k	0.00	o.k	2.07	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
109	0.64	0.13	ENVDIS	Combination	Max	0.01	0.00	0.00	DIAGONAL;	0.0102	2.15	o.k	0.00	o.k	2.15	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
109	0.77	0.13	ENVDIS	Combination	Max	0.01	0.00	0.00	DIAGONAL;	0.0102	2.18	o.k	0.00	o.k	2.07	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
109	0.89	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0102	2.20	o.k	0.00	o.k	1.81	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k
109	1.02	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0102	2.23	o.k	0.00	o.k	1.37	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
109	1.15	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0102	2.26	o.k	0.00	o.k	0.78	o.k	0.43	o.k	0.00	0.00	o.k	0.00	o.k
109	1.28	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL;	0.0102	2.29	o.k	0.00	o.k	0.00	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
109	0.00	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.04	o.k	0.00	-	0.53	o.k	-	-	o.k	0.00	o.k
109	0.13	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.89	o.k	0.46	o.k	0.43	o.k	-	-	o.k	0.00	o.k
109	0.26	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.84	o.k	0.83	o.k	0.32	o.k	-	-	o.k	0.00	o.k
109	0.38	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.79	o.k	1.09	o.k	0.22	o.k	-	-	o.k	0.00	o.k
109	0.51	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.74	o.k	1.24	o.k	0.11	o.k	-	-	o.k	0.00	o.k
109	0.64	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.68	o.k	1.30	o.k	0.00	o.k	-	-	o.k	0.00	o.k
109	0.77	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.63	o.k	1.24	o.k	0.06	o.k	-	-	o.k	0.00	o.k
109	0.89	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.58	o.k	1.09	o.k	0.13	o.k	-	-	o.k	0.00	o.k
109	1.02	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.53	o.k	0.83	o.k	0.19	o.k	-	-	o.k	0.00	o.k
109	1.15	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.48	o.k	0.46	o.k	0.25	o.k	-	-	o.k	0.00	o.k
109	1.28	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL;	0.0102	-	-	85.42	o.k	0.00	o.k	0.32	o.k	-	-	o.k	0.00	o.k
110	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.06	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
110	0.17	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.11	o.k	0.00	o.k	1.30	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
110	0.35	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.16	o.k	0.00	o.k	2.31	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
110	0.52	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.21	o.k	0.00	o.k	3.04	o.k	0.16	o.k	0.00	0.00	o.k	0.00	o.k
110	0.69	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.26	o.k	0.00	o.k	3.46	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
110	0.86	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.31	o.k	0.00	o.k	3.61	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
110	1.04	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.34	o.k	0.00	o.k	3.46	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
110	1.21	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL;	0.0102	5.39	o.k	0.00	o.k	3.04	o.k	0.27	o.k	0.00	0.00	o.k	0.00	o.k
110	1.38	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL;	0.0102	5.44	o.k	0.00	o.k	2.31	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
110	1.56	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL;	0.0102	5.49	o.k	0.00	o.k	1.30	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
110	1.73	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL;	0.0102	5.54	o.k	0.00	o.k	0.00	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
110	0.00	0.00	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0102	-	-	240.18	o.k	0.00	-	0.66	o.k	-	-	o.k	0.01	o.k
110	0.17	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0102	-	-	240.10	o.k	0.78	o.k	0.53	o.k	-	-	o.k	0.01	o.k
110	0.35	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0102	-	-	240.02	o.k	1.39	o.k	0.40	o.k	-	-	o.k	0.01	o.k
110	0.52	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0102	-	-	239.94	o.k	1.81	o.k	0.27	o.k	-	-	o.k	0.01	o.k
110	0.69	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0102	-	-	239.86	o.k	2.07	o.k	0.13	o.k	-	-	o.k	0.01	o.k
110	0.86	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0102	-	-	239.78	o.k	2.17	o.k	0.00	o.k	-	-	o.k	0.01	o.k
110	1.04	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL;	0.0102	-	-	239.70	o.k	2.07	o.k	0.08	o.k	-	-	o.k	0.01	o.k
110	1.21	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0102	-	-	239.63	o.k	1.81	o.k	0.16	o.k	-	-	o.k	0.01	o.k
110	1.38	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0102	-	-	239.55	o.k	1.39	o.k	0.24	o.k	-	-	o.k	0.01	o.k
110	1.56	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0102	-	-	239.47	o.k	0.78	o.k	0.32	o.k	-	-	o.k	0.01	o.k
110	1.73	0.00	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL;	0.0102	-	-	239.39	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.01	o.k
250	0.00	0.00	ENVDIS	Combination	Max	0.05	0.02	0.01	PAR SUPERIOR	0.0180	2.75	o.k	0.00	o.k	13.09	o.k	1.74	o.k	0.01	0.00	o.k	0.00	o.k
250	0.44	0.44	ENVDIS	Combination	Max	0.05	0.02	0.10	PAR SUPERIOR	0.0180	2.82	o.k	0.00	o.k	182.04	o.k	2.00	o.k	0.07	0.07	o.k	0.00	o.k
250	0.63	0.19	ENVDIS	Combination	Max	0.05	0.03	0.25	PAR SUPERIOR	0.0180	2.85	o.k	0.00	o.k	453.93	o.k	2.11	o.k	0.18	0.17	o.k	0.00	o.k
250	0.63	0.00	ENVDIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0180	2.30	o.k	0.00	o.k	1.22	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
250	0.88	0.25	ENVDIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0180	2.34	o.k	0.00	o.k	0.52	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
250	1.26	0.38	ENVDIS	Combination	Max	0.04	0.01	0.10	PAR SUPERIOR	0.0180	2.40	o.k	0.00	o.k	182.76	o.k	0.42	o.k	0.07	0.07	o.k	0.00	o.k

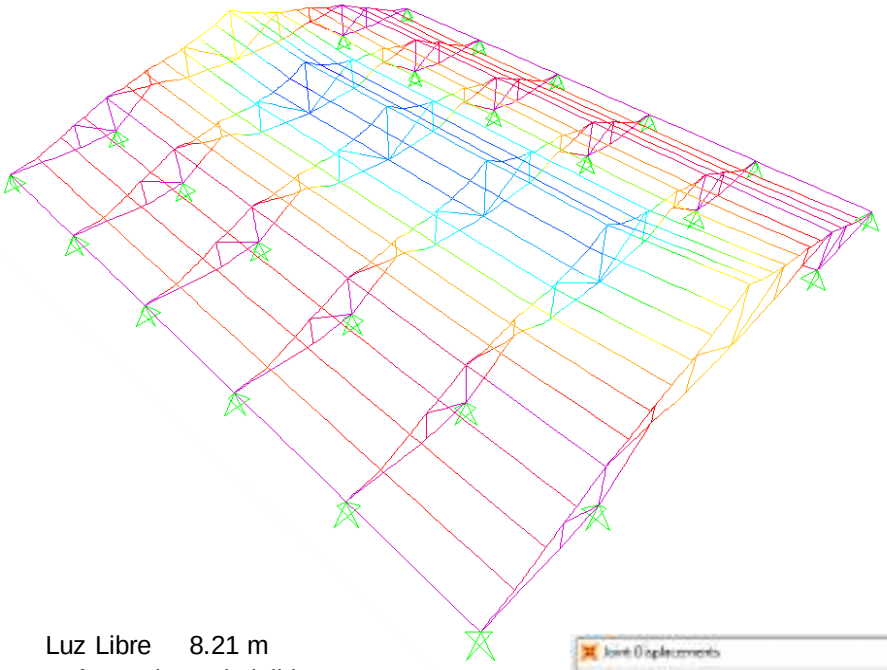
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
250	1.26	0.00	ENVDIS	Combination	Max	0.03	0.15	0.01	PAR SUPERIOR	0.01.80	1.85	o.k	0.00	o.k	17.15	o.k	12.19	o.k	0.01	0.01	o.k	0.00	o.k
250	1.33	0.06	ENVDIS	Combination	Max	0.03	0.15	0.00	PAR SUPERIOR	0.01.80	1.86	o.k	0.00	o.k	0.01	o.k	12.25	o.k	0.00	0.00	o.k	0.00	o.k
250	1.39	0.06	ENVDIS	Combination	Max	0.03	0.15	0.00	PAR SUPERIOR	0.01.80	1.87	o.k	0.00	o.k	2.22	o.k	12.32	o.k	0.00	0.00	o.k	0.00	o.k
250	1.59	0.00	ENVDIS	Combination	Max	0.05	0.03	0.01	PAR SUPERIOR	0.01.80	2.89	o.k	0.00	o.k	13.30	o.k	2.27	o.k	0.01	0.00	o.k	0.00	o.k
250	1.77	0.38	ENVDIS	Combination	Max	0.05	0.03	0.15	PAR SUPERIOR	0.01.80	2.95	o.k	0.00	o.k	272.46	o.k	2.49	o.k	0.11	0.10	o.k	0.00	o.k
250	1.89	0.13	ENVDIS	Combination	Max	0.05	0.03	0.29	PAR SUPERIOR	0.01.80	2.97	o.k	0.00	o.k	544.17	o.k	2.57	o.k	0.21	0.21	o.k	0.00	o.k
250	1.89	0.00	ENVDIS	Combination	Max	0.04	0.01	0.00	PAR SUPERIOR	0.01.80	2.42	o.k	0.00	o.k	4.41	o.k	0.51	o.k	0.00	0.00	o.k	0.00	o.k
250	2.21	0.32	ENVDIS	Combination	Max	0.04	0.01	0.00	PAR SUPERIOR	0.01.80	2.47	o.k	0.00	o.k	0.35	o.k	0.69	o.k	0.00	0.00	o.k	0.00	o.k
250	2.53	0.32	ENVDIS	Combination	Max	0.05	0.01	0.22	PAR SUPERIOR	0.01.80	2.52	o.k	0.00	o.k	409.13	o.k	0.87	o.k	0.16	0.16	o.k	0.00	o.k
250	2.53	0.00	ENVDIS	Combination	Max	0.04	-0.01	0.00	PAR SUPERIOR	0.01.80	1.97	o.k	0.00	o.k	1.59	o.k	1.18	o.k	0.00	0.00	o.k	0.00	o.k
250	2.65	0.12	ENVDIS	Combination	Max	0.04	-0.01	0.01	PAR SUPERIOR	0.01.80	1.99	o.k	0.00	o.k	27.33	o.k	1.11	o.k	0.01	0.01	o.k	0.00	o.k
250	2.65	0.00	ENVDIS	Combination	Max	0.04	0.02	0.01	PAR SUPERIOR	0.01.80	2.21	o.k	0.00	o.k	11.76	o.k	1.98	o.k	0.01	0.00	o.k	0.00	o.k
250	3.09	0.45	ENVDIS	Combination	Max	0.04	0.05	0.12	PAR SUPERIOR	0.01.80	2.27	o.k	0.00	o.k	218.81	o.k	2.24	o.k	0.08	0.08	o.k	0.00	o.k
250	3.16	0.06	ENVDIS	Combination	Max	0.04	0.05	0.16	PAR SUPERIOR	0.01.80	2.28	o.k	0.00	o.k	290.89	o.k	2.28	o.k	0.11	0.11	o.k	0.00	o.k
250	3.16	0.00	ENVDIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.01.80	1.75	o.k	0.00	o.k	2.41	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k
250	3.54	0.38	ENVDIS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.01.80	1.79	o.k	0.00	o.k	18.54	o.k	0.44	o.k	0.01	0.01	o.k	0.00	o.k
250	3.79	0.25	ENVDIS	Combination	Max	0.03	0.01	0.05	PAR SUPERIOR	0.01.80	1.85	o.k	0.00	o.k	90.41	o.k	0.59	o.k	0.04	0.05	o.k	0.00	o.k
250	3.79	0.00	ENVDIS	Combination	Max	0.02	0.50	0.10	PAR SUPERIOR	0.01.80	1.28	o.k	0.00	o.k	179.31	o.k	25.35	o.k	0.07	0.07	o.k	0.00	o.k
250	3.98	0.19	ENVDIS	Combination	Max	0.02	0.51	0.04	PAR SUPERIOR	0.01.80	1.32	o.k	0.00	o.k	72.20	o.k	25.53	o.k	0.03	0.05	o.k	0.00	o.k
250	4.42	0.00	ENVDIS	Combination	Max	0.02	0.51	0.00	PAR SUPERIOR	0.01.80	1.38	o.k	0.00	o.k	8.57	o.k	25.97	o.k	0.00	0.00	o.k	0.00	o.k
250	0.00	0.00	ENVDIS	Combination	Min	-2.22	-0.78	-0.25	PAR SUPERIOR	0.01.80	-	-	123.13	o.k	455.57	o.k	65.10	o.k	-	-	o.k	0.18	o.k
250	0.44	0.44	ENVDIS	Combination	Min	-2.21	-0.78	0.00	PAR SUPERIOR	0.01.80	-	-	123.02	o.k	5.50	o.k	64.67	o.k	-	-	o.k	0.01	o.k
250	0.63	0.19	ENVDIS	Combination	Min	-2.21	-0.77	-0.01	PAR SUPERIOR	0.01.80	-	-	122.97	o.k	13.84	o.k	64.48	o.k	-	-	o.k	0.01	o.k
250	0.63	0.00	ENVDIS	Combination	Min	-2.03	-0.52	-0.10	PAR SUPERIOR	0.01.80	-	-	112.83	o.k	184.19	o.k	26.46	o.k	-	-	o.k	0.07	o.k
250	0.88	0.25	ENVDIS	Combination	Min	-2.03	-0.51	-0.02	PAR SUPERIOR	0.01.80	-	-	112.77	o.k	36.37	o.k	26.21	o.k	-	-	o.k	0.02	o.k
250	1.26	0.38	ENVDIS	Combination	Min	-2.03	-0.51	0.00	PAR SUPERIOR	0.01.80	-	-	112.67	o.k	2.09	o.k	25.84	o.k	-	-	o.k	0.00	o.k
250	1.26	0.00	ENVDIS	Combination	Min	-1.85	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	102.54	o.k	2.26	o.k	1.63	o.k	-	-	o.k	0.00	o.k
250	1.33	0.06	ENVDIS	Combination	Min	-1.85	-0.02	0.00	PAR SUPERIOR	0.01.80	-	-	102.53	o.k	0.01	o.k	1.60	o.k	-	-	o.k	0.00	o.k
250	1.39	0.06	ENVDIS	Combination	Min	-1.85	-0.02	-0.01	PAR SUPERIOR	0.01.80	-	-	102.51	o.k	17.20	o.k	1.57	o.k	-	-	o.k	0.01	o.k
250	1.59	0.00	ENVDIS	Combination	Min	-2.57	-1.17	-0.29	PAR SUPERIOR	0.01.80	-	-	131.69	o.k	545.09	o.k	97.24	o.k	-	-	o.k	0.21	o.k
250	1.77	0.38	ENVDIS	Combination	Min	-2.57	-1.16	0.00	PAR SUPERIOR	0.01.80	-	-	131.59	o.k	6.76	o.k	96.87	o.k	-	-	o.k	0.01	o.k
250	1.89	0.13	ENVDIS	Combination	Min	-2.57	-1.16	-0.01	PAR SUPERIOR	0.01.80	-	-	131.58	o.k	13.85	o.k	96.75	o.k	-	-	o.k	0.01	o.k
250	1.89	0.00	ENVDIS	Combination	Min	-2.19	-0.70	-0.22	PAR SUPERIOR	0.01.80	-	-	121.43	o.k	410.57	o.k	58.72	o.k	-	-	o.k	0.16	o.k
250	2.21	0.32	ENVDIS	Combination	Min	-2.18	-0.70	0.00	PAR SUPERIOR	0.01.80	-	-	121.34	o.k	0.22	o.k	58.41	o.k	-	-	o.k	0.00	o.k
250	2.53	0.32	ENVDIS	Combination	Min	-2.18	-0.70	0.00	PAR SUPERIOR	0.01.80	-	-	121.27	o.k	5.28	o.k	58.10	o.k	-	-	o.k	0.01	o.k
250	2.53	0.00	ENVDIS	Combination	Min	-2.06	-0.24	-0.01	PAR SUPERIOR	0.01.80	-	-	111.13	o.k	27.39	o.k	20.07	o.k	-	-	o.k	0.01	o.k
250	2.65	0.12	ENVDIS	Combination	Min	-2.06	-0.24	0.00	PAR SUPERIOR	0.01.80	-	-	111.11	o.k	1.36	o.k	19.95	o.k	-	-	o.k	0.00	o.k
250	2.65	0.00	ENVDIS	Combination	Min	-2.03	-0.62	-0.16	PAR SUPERIOR	0.01.80	-	-	112.08	o.k	291.81	o.k	51.82	o.k	-	-	o.k	0.12	o.k
250	3.09	0.45	ENVDIS	Combination	Min	-2.03	-0.62	0.00	PAR SUPERIOR	0.01.80	-	-	111.97	o.k	9.15	o.k	51.58	o.k	-	-	o.k	0.01	o.k
250	3.16	0.06	ENVDIS	Combination	Min	-2.03	-0.62	-0.01	PAR SUPERIOR	0.01.80	-	-	111.96	o.k	12.31	o.k	51.52	o.k	-	-	o.k	0.01	o.k
250	3.16	0.00	ENVDIS	Combination	Min	-1.83	-0.16	-0.05	PAR SUPERIOR	0.01.80	-	-	101.82	o.k	91.85	o.k	13.29	o.k	-	-	o.k	0.04	o.k
250	3.54	0.38	ENVDIS	Combination	Min	-1.83	-0.16	0.00	PAR SUPERIOR	0.01.80	-	-	101.73	o.k	0.37	o.k	12.92	o.k	-	-	o.k	0.00	o.k
250	3.79	0.25	ENVDIS	Combination	Min	-1.83	-0.15	0.00	PAR SUPERIOR	0.01.80	-	-	101.66	o.k	5.28	o.k	12.68	o.k	-	-	o.k	0.00	o.k
250	3.79	0.00	ENVDIS	Combination	Min	-1.65	-0.02	-0.01	PAR SUPERIOR	0.01.80	-	-	91.53	o.k	9.44	o.k	1.47	o.k	-	-	o.k	0.01	o.k
250	3.98	0.19	ENVDIS	Combination	Min	-1.65	-0.02	0.00	PAR SUPERIOR	0.01.80	-	-	91.48	o.k	1.50	o.k	1.36	o.k	-	-	o.k	0.00	o.k
250	4.42	0.00	ENVDIS	Combination	Min	-1.64	-0.01	-0.10	PAR SUPERIOR	0.01.80	-	-	91.37	o.k	180.76	o.k	1.10	o.k	-	-	o.k	0.10	o.k
257	0.00	0.00	ENVDIS	Combination	Max	0.02	0.01	0.00	PAR SUPERIOR	0.01.80	1.38	o.k	0.00	o.k	8.57	o.k	1.10	o.k	0.00	0.00	o.k	0.00	o.k
257	0.44	0.44	ENVDIS	Combination	Max	0.02	0.02	0.04	PAR SUPERIOR	0.01.80	1.32	o.k	0.00	o.k	72.20	o.k	1.36	o.k	0.03	0.05	o.k	0.00	o.k
257	0.63	0.19	ENVDIS	Combination	Max	0.02	0.02	0.10	PAR SUPERIOR	0.01.80	1.28	o.k	0.00	o.k	179.31	o.k	1.47	o.k	0.07	0.07	o.k	0.00	o.k
257	0.63	0.00	ENVDIS	Combination	Max	0.03	0.15	0.05	PAR SUPERIOR	0.01.80	1.85	o.k	0.00	o.k	90.41	o.k	12.68	o.k	0.04	0.05	o.k	0.00	o.k
257	0.88	0.25	ENVDIS	Combination	Max	0.03	0.16	0.01	PAR SUPERIOR	0.01.80	1.79	o.k	0.00	o.k	18.54	o.k	12.92	o.k	0.01	0.01	o.k	0.00	o.k
257	1.26	0.38	ENVDIS	Combination	Max	0.03	0.16	0.00	PAR SUPERIOR	0.01.80	1.75	o.k	0.00	o.k	2.41	o.k	13.29	o.k	0.00	0.00	o.k	0.00	o.k
257	1.26	0.00	ENVDIS	Combination	Max	0.04	0.62	0.16	PAR SUPERIOR	0.01.80	2.28	o.k	0.00	o.k	290.89	o.k	51.32	o.k	0.11	0.11	o.k	0.00	o.k
257	1.33	0.06	ENVDIS	Combination	Max	0.04	0.62	0.12	PAR SUPERIOR	0.01.80	2.27	o.k	0.00	o.k	218.81	o.k	51.38	o.k	0.08	0.08	o.k	0.00	o.k
257	1.77	0.45	ENVDIS	Combination	Max	0.04	0.62	0.01	PAR SUPERIOR	0.01.80	2.21	o.k	0.00	o.k	11.76	o.k	51.82	o.k	0.01	0.00	o.k	0.00	o.k
257	1.77	0.00	ENVDIS	Combination	Max	0.04	0.24	0.01	PAR SUPERIOR	0.01.80	1.99	o.k	0.00	o.k	27.33	o.k	19.95	o.k	0.01	0.01	o.k	0.00	o.k
257	1.89	0.12	ENVDIS	Combination	Max	0.04	0.24	0.00	PAR SUPERIOR	0.01.80	1.97	o.k	0.00	o.k	1.59	o.k	20.07	o.k	0.00	0.00	o.k	0.00	o.k
257	1.89	0.00	ENVDIS	Combination	Max	0.05	0.70	0.22	PAR SUPERIOR	0.01.80	2.52	o.k	0.00	o.k	409.13	o.k	58.10	o.k	0.16	0.16	o.k	0.00	o.k
257	2.21	0.32	ENVDIS	Combination	Max	0.04	0.70	0.00	PAR SUPERIOR	0.01.80	2.47	o.k	0.00	o.k	0.35	o.k	58.41	o.k	0.00	0.00	o.k	0.00	o.k
257	2.53	0.32	ENVDIS	Combination	Max	0.04	0.70	0.00	PAR SUPERIOR	0.01.80	2.42	o.k	0.00	o.k	4.41	o.k	58.72	o.k	0.00	0.00	o.k	0.00	o.k
257	2.53	0.00	ENVDIS	Combination	Max	0.05	1.16	0.29	PAR SUPERIOR	0.01.80	2.97	o.k	0.00	o.k	544.17	o.k	96.75	o.k	0.21	0.21	o.k	0.00	o.k
257	2.65	0.13	ENVDIS	Combination	Max	0.05	1.16	0.15	PAR SUPERIOR	0.01.80	2.95	o.k	0.00	o.k	272.46	o.k	96.87	o.k	0.11	0.10	o.k	0.00	o.k
257	3.01	0.38	ENVDIS	Combination	Max	0.05	1.17	0.01	PAR SUPERIOR	0.01.80	2.89	o.k	0.00	o.k	13.30	o.k	97.24	o.k	0.01	0.00	o.k	0.00	o.k
257	3.03	0.00	ENVDIS	Combination	Max	0.03	0.02	0.00	PAR SUPERIOR	0.01.80	1.87	o.k	0.00	o.k	2.22	o.k	1.57	o.k	0.00	0.00	o.k	0.00	o.k
257	3.09	0.06	ENVDIS	Combination	Max	0.03	0.02	0.00	PAR SUPERIOR	0.01.80	1.86	o.k	0.00	o.k	0.01	o.k	1.60	o.k	0.00	0.00	o.k	0.00	o.k
257	3.16	0.06	ENVDIS	Combination	Max	0.03	0.02	0.01	PAR SUPERIOR	0.01.80	1.85	o.k	0.00	o.k	17.15	o.k	1.63	o.k	0.01	0.01	o.k	0.00	o.k
257	3.16	0.00	ENVDIS	Combination	Max	0.04	0.51	0.10	PAR SUPERIOR	0.01.80	2.40	o.k	0.00	o.k	182.76	o.k	25.84	o.k	0.07	0.07	o.k	0.00	o.k
257	3.54	0.38	ENVDIS	Combination	Max	0.04	0.51	0.00	PAR SUPERIOR	0.01.80	2.34	o.k	0.00	o.k	0.52	o.k	26.21	o.k	0.00	0.00	o.k	0.00	o.k
257	3.79	0.25	ENVDIS	Combination	Max	0.04	0.52	0.00	PAR SUPERIOR	0.01.80	2.30	o.k	0.00	o.k	1.22	o.k	26.46	o.k	0.00	0.00	o.k	0.00	o.k
257	3.79	0.00	ENVDIS	Combination	Max	0.05	0.77	0.25	PAR SUPERIOR	0.01.80	2.85	o.k	0.00	o.k	453.95	o.k	64.48	o.k	0.18	0.17	o.k	0.00	o.k
257	3.98	0.19	ENVDIS	Combination	Max	0.05	0.78	0.10	PAR SUPERIOR	0.01.80	2.82	o.k	0.00	o.k	182.04	o.k	64.67	o.k	0.07	0.07	o.k	0.00	o.k
257	4.42	0.00	ENVDIS	Combination	Max	0.05	0.78	0.01	PAR SUPERIOR	0.01.80	2.75	o.k	0.00	o.k	13.09	o.k	65.10	o.k	0.01	0.00	o.k	0.00	o.k
257	0.00	0.00	ENVDIS	Combination	Min	-1.64	-0.51	-0.10	PAR SUPERIOR	0.01.80	-	-	91.37	o.k	180.76	o.k	25.97	o.k	-	-	o.k	0.07	o.k
257	0.44	0.44	ENVDIS	Combination	Min	-1.65	-0.51	0.00	PAR SUPERIOR	0.01.80	-	-	91.48	o.k	5.50	o.k	25.53	o.k	-	-	o.k	0.00	o.k
257	0.63	0.19	ENVDIS	Combination	Min	-1.65	-0.50	-0.01	PAR SUPERIOR	0.01.80	-	-	91.53	o.k	9.44	o.k	25.35	o.k	-	-	o.k	0.01	o.k
257	0.63	0.00	ENVDIS	Combination	Min	-1.83	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	101.66	o.k	5.28	o.k	0.59	o.k	-	-	o.k	0.00	o.k
257	0.88	0.25	ENVDIS	Combination	Min	-1.83	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	101.73	o.k	0.37	o.k	0.44	o.k	-	-	o.k	0.00	o.k
257	1.26	0.38	ENVDIS	Combination	Min	-1.83	0.00	-0.05	PAR SUPERIOR	0.01.80	-	-	101.82	o.k	91.85	o.k	0.22	o.k	-	-	o.k	0.04	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
257	1.26	0.00	ENVDIS	Combination	Min	-2.02	-0.03	-0.01	PAR SUPERIOR	0.01.80	-	-	111.96	o.k	12.31	o.k	2.28	o.k	-	-	o.k	0.01	o.k
257	1.33	0.06	ENVDIS	Combination	Min	-2.02	-0.03	0.00	PAR SUPERIOR	0.01.80	-	-	111.97	o.k	9.15	o.k	2.24	o.k	-	-	o.k	0.01	o.k
257	1.77	0.45	ENVDIS	Combination	Min	-2.02	-0.02	-0.16	PAR SUPERIOR	0.01.80	-	-	112.08	o.k	291.81	o.k	1.98	o.k	-	-	o.k	0.12	o.k
257	1.77	0.00	ENVDIS	Combination	Min	-2.00	0.01	0.00	PAR SUPERIOR	0.01.80	-	-	111.11	o.k	1.56	o.k	1.11	o.k	-	-	o.k	0.00	o.k
257	1.89	0.12	ENVDIS	Combination	Min	-2.00	0.01	-0.01	PAR SUPERIOR	0.01.80	-	-	111.13	o.k	27.39	o.k	1.18	o.k	-	-	o.k	0.01	o.k
257	1.89	0.00	ENVDIS	Combination	Min	-2.18	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	121.27	o.k	5.28	o.k	0.87	o.k	-	-	o.k	0.01	o.k
257	2.21	0.32	ENVDIS	Combination	Min	-2.18	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	121.34	o.k	0.22	o.k	0.89	o.k	-	-	o.k	0.00	o.k
257	2.53	0.32	ENVDIS	Combination	Min	-2.16	-0.01	-0.22	PAR SUPERIOR	0.01.80	-	-	121.43	o.k	410.57	o.k	0.51	o.k	-	-	o.k	0.16	o.k
257	2.53	0.00	ENVDIS	Combination	Min	-2.57	-0.03	-0.01	PAR SUPERIOR	0.01.80	-	-	131.58	o.k	13.85	o.k	2.57	o.k	-	-	o.k	0.01	o.k
257	2.65	0.13	ENVDIS	Combination	Min	-2.57	-0.03	0.00	PAR SUPERIOR	0.01.80	-	-	131.59	o.k	6.76	o.k	2.49	o.k	-	-	o.k	0.01	o.k
257	3.03	0.38	ENVDIS	Combination	Min	-2.57	-0.03	-0.29	PAR SUPERIOR	0.01.80	-	-	131.69	o.k	545.09	o.k	2.27	o.k	-	-	o.k	0.21	o.k
257	3.03	0.00	ENVDIS	Combination	Min	-1.85	-0.15	-0.01	PAR SUPERIOR	0.01.80	-	-	102.51	o.k	17.20	o.k	12.32	o.k	-	-	o.k	0.01	o.k
257	3.09	0.06	ENVDIS	Combination	Min	-1.85	-0.15	0.00	PAR SUPERIOR	0.01.80	-	-	102.53	o.k	0.01	o.k	12.25	o.k	-	-	o.k	0.00	o.k
257	3.16	0.06	ENVDIS	Combination	Min	-1.85	-0.15	0.00	PAR SUPERIOR	0.01.80	-	-	102.54	o.k	2.26	o.k	12.19	o.k	-	-	o.k	0.00	o.k
257	3.16	0.00	ENVDIS	Combination	Min	-2.03	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	112.67	o.k	2.09	o.k	0.42	o.k	-	-	o.k	0.00	o.k
257	3.54	0.38	ENVDIS	Combination	Min	-2.03	0.00	-0.02	PAR SUPERIOR	0.01.80	-	-	112.77	o.k	36.37	o.k	0.20	o.k	-	-	o.k	0.02	o.k
257	3.79	0.25	ENVDIS	Combination	Min	-2.03	0.00	-0.10	PAR SUPERIOR	0.01.80	-	-	112.83	o.k	184.19	o.k	0.05	o.k	-	-	o.k	0.07	o.k
257	3.79	0.00	ENVDIS	Combination	Min	-2.21	-0.03	-0.01	PAR SUPERIOR	0.01.80	-	-	122.97	o.k	13.94	o.k	2.11	o.k	-	-	o.k	0.01	o.k
257	3.98	0.19	ENVDIS	Combination	Min	-2.21	-0.02	0.00	PAR SUPERIOR	0.01.80	-	-	123.02	o.k	5.30	o.k	2.00	o.k	-	-	o.k	0.01	o.k
257	4.42	0.00	ENVDIS	Combination	Min	-2.22	-0.02	-0.25	PAR SUPERIOR	0.01.80	-	-	123.13	o.k	455.37	o.k	1.74	o.k	-	-	o.k	0.30	o.k
264	0.00	0.00	ENVDIS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.01.80	1.50	o.k	0.00	o.k	10.44	o.k	1.03	o.k	0.00	0.00	o.k	0.00	o.k
264	0.32	0.32	ENVDIS	Combination	Max	0.03	0.01	0.00	PAR SUPERIOR	0.01.80	1.55	o.k	0.00	o.k	2.52	o.k	1.22	o.k	0.00	0.00	o.k	0.00	o.k
264	0.63	0.32	ENVDIS	Combination	Max	0.03	0.02	0.10	PAR SUPERIOR	0.01.80	1.60	o.k	0.00	o.k	177.00	o.k	1.41	o.k	0.07	0.07	o.k	0.00	o.k
264	0.79	0.16	ENVDIS	Combination	Max	0.03	0.02	0.16	PAR SUPERIOR	0.01.80	1.62	o.k	0.00	o.k	293.94	o.k	1.50	o.k	0.11	0.11	o.k	0.00	o.k
264	0.79	0.00	ENVDIS	Combination	Max	0.02	0.06	0.02	PAR SUPERIOR	0.01.80	1.08	o.k	0.00	o.k	45.02	o.k	4.87	o.k	0.02	0.02	o.k	0.00	o.k
264	0.95	0.16	ENVDIS	Combination	Max	0.02	0.06	0.01	PAR SUPERIOR	0.01.80	1.11	o.k	0.00	o.k	27.65	o.k	5.05	o.k	0.01	0.01	o.k	0.00	o.k
264	1.26	0.32	ENVDIS	Combination	Max	0.02	0.06	0.00	PAR SUPERIOR	0.01.80	1.16	o.k	0.00	o.k	0.89	o.k	5.34	o.k	0.00	0.00	o.k	0.00	o.k
264	1.58	0.32	ENVDIS	Combination	Max	0.02	0.07	0.00	PAR SUPERIOR	0.01.80	1.21	o.k	0.00	o.k	2.24	o.k	5.65	o.k	0.00	0.00	o.k	0.00	o.k
264	1.58	0.00	ENVDIS	Combination	Max	0.01	0.53	0.12	PAR SUPERIOR	0.01.80	0.67	o.k	0.00	o.k	225.43	o.k	43.79	o.k	0.09	0.09	o.k	0.00	o.k
264	1.89	0.32	ENVDIS	Combination	Max	0.01	0.53	0.00	PAR SUPERIOR	0.01.80	0.72	o.k	0.00	o.k	3.91	o.k	44.10	o.k	0.00	0.00	o.k	0.00	o.k
264	2.04	0.15	ENVDIS	Combination	Max	0.01	0.53	0.01	PAR SUPERIOR	0.01.80	0.74	o.k	0.00	o.k	10.19	o.k	44.24	o.k	0.00	0.00	o.k	0.00	o.k
264	2.04	0.00	ENVDIS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.01.80	0.51	o.k	0.00	o.k	4.87	o.k	1.27	o.k	0.00	0.00	o.k	0.00	o.k
264	2.21	0.17	ENVDIS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.01.80	0.53	o.k	0.00	o.k	5.59	o.k	1.37	o.k	0.00	0.00	o.k	0.00	o.k
264	2.37	0.16	ENVDIS	Combination	Max	0.01	0.02	0.05	PAR SUPERIOR	0.01.80	0.56	o.k	0.00	o.k	96.83	o.k	1.47	o.k	0.04	0.04	o.k	0.00	o.k
264	2.37	0.00	ENVDIS	Combination	Max	0.00	0.14	0.06	PAR SUPERIOR	0.01.80	0.02	o.k	0.00	o.k	104.31	o.k	11.65	o.k	0.04	0.04	o.k	0.00	o.k
264	2.53	0.16	ENVDIS	Combination	Max	0.00	0.14	0.05	PAR SUPERIOR	0.01.80	0.04	o.k	0.00	o.k	65.22	o.k	11.79	o.k	0.02	0.02	o.k	0.00	o.k
264	2.84	0.32	ENVDIS	Combination	Max	0.00	0.15	0.00	PAR SUPERIOR	0.01.80	0.09	o.k	0.00	o.k	0.94	o.k	12.10	o.k	0.00	0.00	o.k	0.00	o.k
264	3.16	0.00	ENVDIS	Combination	Max	0.00	0.15	0.00	PAR SUPERIOR	0.01.80	0.14	o.k	0.00	o.k	2.52	o.k	12.41	o.k	0.00	0.00	o.k	0.00	o.k
264	0.00	0.00	ENVDIS	Combination	Min	-1.16	-0.41	-0.16	PAR SUPERIOR	0.01.80	-	-	60.88	o.k	296.20	o.k	34.03	o.k	-	-	o.k	0.11	o.k
264	0.32	0.32	ENVDIS	Combination	Min	-1.08	-0.40	-0.03	PAR SUPERIOR	0.01.80	-	-	60.80	o.k	58.52	o.k	33.72	o.k	-	-	o.k	0.02	o.k
264	0.63	0.32	ENVDIS	Combination	Min	-1.08	-0.40	0.00	PAR SUPERIOR	0.01.80	-	-	60.72	o.k	6.70	o.k	33.42	o.k	-	-	o.k	0.00	o.k
264	0.79	0.16	ENVDIS	Combination	Min	-1.08	-0.40	-0.01	PAR SUPERIOR	0.01.80	-	-	60.68	o.k	11.80	o.k	33.26	o.k	-	-	o.k	0.01	o.k
264	0.79	0.00	ENVDIS	Combination	Min	-0.91	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	50.73	o.k	3.61	o.k	0.57	o.k	-	-	o.k	0.00	o.k
264	0.95	0.16	ENVDIS	Combination	Min	-0.91	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	50.69	o.k	1.78	o.k	0.47	o.k	-	-	o.k	0.00	o.k
264	1.26	0.32	ENVDIS	Combination	Min	-0.91	0.00	0.00	PAR SUPERIOR	0.01.80	-	-	50.61	o.k	8.74	o.k	0.28	o.k	-	-	o.k	0.00	o.k
264	1.58	0.32	ENVDIS	Combination	Min	-0.91	0.00	-0.05	PAR SUPERIOR	0.01.80	-	-	50.53	o.k	47.28	o.k	0.10	o.k	-	-	o.k	0.02	o.k
264	1.58	0.00	ENVDIS	Combination	Min	-0.79	-0.03	-0.01	PAR SUPERIOR	0.01.80	-	-	40.58	o.k	10.65	o.k	2.17	o.k	-	-	o.k	0.00	o.k
264	1.89	0.32	ENVDIS	Combination	Min	-0.79	-0.02	-0.04	PAR SUPERIOR	0.01.80	-	-	40.51	o.k	82.85	o.k	1.98	o.k	-	-	o.k	0.03	o.k
264	2.04	0.15	ENVDIS	Combination	Min	-0.79	-0.02	-0.12	PAR SUPERIOR	0.01.80	-	-	40.47	o.k	226.19	o.k	1.90	o.k	-	-	o.k	0.09	o.k
264	2.04	0.00	ENVDIS	Combination	Min	-0.56	-0.52	-0.05	PAR SUPERIOR	0.01.80	-	-	16.74	o.k	67.22	o.k	26.82	o.k	-	-	o.k	0.04	o.k
264	2.21	0.17	ENVDIS	Combination	Min	-0.56	-0.52	0.00	PAR SUPERIOR	0.01.80	-	-	16.71	o.k	0.12	o.k	26.66	o.k	-	-	o.k	0.00	o.k
264	2.37	0.16	ENVDIS	Combination	Min	-0.56	-0.52	0.00	PAR SUPERIOR	0.01.80	-	-	16.66	o.k	5.11	o.k	26.50	o.k	-	-	o.k	0.00	o.k
264	2.37	0.00	ENVDIS	Combination	Min	-0.12	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	6.72	o.k	3.87	o.k	0.60	o.k	-	-	o.k	0.00	o.k
264	2.53	0.16	ENVDIS	Combination	Min	-0.12	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	6.68	o.k	1.94	o.k	0.50	o.k	-	-	o.k	0.00	o.k
264	2.84	0.32	ENVDIS	Combination	Min	-0.12	0.00	-0.01	PAR SUPERIOR	0.01.80	-	-	6.59	o.k	20.59	o.k	0.32	o.k	-	-	o.k	0.01	o.k
264	3.16	0.00	ENVDIS	Combination	Min	-0.12	0.00	-0.06	PAR SUPERIOR	0.01.80	-	-	6.52	o.k	106.56	o.k	0.13	o.k	-	-	o.k	0.04	o.k
268	0.00	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.01.80	0.14	o.k	0.00	o.k	2.52	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
268	0.32	0.32	ENVDIS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.01.80	0.09	o.k	0.00	o.k	0.94	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
268	0.63	0.32	ENVDIS	Combination	Max	0.00	0.01	0.05	PAR SUPERIOR	0.01.80	0.04	o.k	0.00	o.k	65.22	o.k	0.50	o.k	0.02	0.02	o.k	0.00	o.k
268	0.79	0.16	ENVDIS	Combination	Max	0.00	0.01	0.06	PAR SUPERIOR	0.01.80	0.02	o.k	0.00	o.k	104.31	o.k	0.80	o.k	0.04	0.04	o.k	0.00	o.k
268	0.79	0.00	ENVDIS	Combination	Max	0.01	0.52	0.05	PAR SUPERIOR	0.01.80	0.56	o.k	0.00	o.k	96.83	o.k	26.50	o.k	0.04	0.04	o.k	0.00	o.k
268	0.95	0.16	ENVDIS	Combination	Max	0.01	0.52	0.00	PAR SUPERIOR	0.01.80	0.53	o.k	0.00	o.k	5.59	o.k	26.66	o.k	0.00	0.00	o.k	0.00	o.k
268	1.12	0.17	ENVDIS	Combination	Max	0.01	0.52	0.00	PAR SUPERIOR	0.01.80	0.51	o.k	0.00	o.k	4.87	o.k	26.82	o.k	0.00	0.00	o.k	0.00	o.k
268	1.12	0.00	ENVDIS	Combination	Max	0.01	0.02	0.01	PAR SUPERIOR	0.01.80	0.74	o.k	0.00	o.k	10.19	o.k	1.90	o.k	0.00	0.00	o.k	0.00	o.k
268	1.26	0.15	ENVDIS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.01.80	0.72	o.k	0.00	o.k	3.91	o.k	1.98	o.k	0.00	0.00	o.k	0.00	o.k
268	1.58	0.32	ENVDIS	Combination	Max	0.01	0.03	0.12	PAR SUPERIOR	0.01.80	0.67	o.k	0.00	o.k	225.43	o.k	2.17	o.k	0.09	0.09	o.k	0.00	o.k
268	1.58	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PAR SUPERIOR	0.01.80	1.21	o.k	0.00	o.k	2.24	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
268	1.89	0.32	ENVDIS	Combination	Max	0.02	0.00	0.00	PAR SUPERIOR	0.01.80	1.16	o.k	0.00	o.k	0.89	o.k	0.28	o.k	0.00	0.00	o.k	0.00	o.k
268	2.21	0.32	ENVDIS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.01.80	1.11	o.k	0.00	o.k	27.65	o.k	0.47	o.k	0.01	0.01	o.k	0.00	o.k
268	2.37	0.16	ENVDIS	Combination	Max	0.02	0.01	0.02	PAR SUPERIOR	0.01.80	1.08	o.k	0.00	o.k	45.02	o.k	0.57	o.k	0.02	0.02	o.k	0.00	o.k
268	2.37	0.00	ENVDIS	Combination	Max	0.03	0.40	0.16	PAR SUPERIOR	0.01.80	1.62	o.k	0.00	o.k	293.94	o.k	33.26	o.k	0.11	0.11	o.k	0.00	o.k
268	2.53	0.16	ENVDIS	Combination	Max	0.03	0.40	0.10	PAR SUPERIOR	0.01.80	1.60	o.k	0.00	o.k	177.00	o.k	33.42	o.k	0.07	0.07	o.k	0.00	o.k
268	2.84	0.32	ENVDIS	Combination	Max	0.03	0.40	0.00	PAR SUPERIOR	0.01.80	1.55	o.k	0.00	o.k	2.52	o.k	33.72	o.k	0.00	0.00	o.k	0.00	o.k
268	3.16	0.00	ENVDIS	Combination	Max	0.03	0.41	0.01	PAR SUPERIOR	0.01.80	1.50	o.k	0.00	o.k	10.44	o.k	34.03	o.k	0.00	0.00	o.k	0.00	o.k
268	0.00	0.00	ENVDIS	Combination	Min	-0.12	-0.15	-0.06	PAR SUPERIOR	0.01.80	-	-	6.52	o.k	106.56	o.k	12.41	o.k	-	-	o.k	0.04	o.k
268	0.32	0.32	ENVDIS	Combination	Min	-0.12	-0.15	-0.01	PAR SUPERIOR	0.01.80	-	-	6.59	o.k	20.59	o.k	12.10	o.k	-	-	o.k	0.01	o.k
268	0.63	0.32	ENVDIS	Combination	Min	-0.12	-0.14	0.00	PAR SUPERIOR	0.01.80	-	-	6.68	o.k	1.94	o.k	11.79	o.k	-	-	o.k	0.00	o.k
268	0.79	0.16	ENVDIS	Combination	Min	-0.12	-0.14	0.00	PAR SUPERIOR	0.01.80	-	-	6.72	o.k	3.87	o.k	11.65	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
268	0.79	0.00	ENVDIS	Combination	Min	-0.50	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	16.66	o.k	5.11	o.k	1.47	o.k	-	-	o.k	0.00	o.k
268	0.95	0.16	ENVDIS	Combination	Min	-0.50	-0.01	0.00	PAR SUPERIOR	0.01.80	-	-	16.71	o.k	0.12	o.k	1.37	o.k	-	-	o.k	0.00	o.k
268	1.12	0.17	ENVDIS	Combination	Min	-0.50	-0.01	-0.05	PAR SUPERIOR	0.01.80	-	-	16.74	o.k	97.22	o.k	1.27	o.k	-	-	o.k	0.04	o.k
268	1.12	0.00	ENVDIS	Combination	Min	-0.73	-0.53	-0.12	PAR SUPERIOR	0.01.80	-	-	40.47	o.k	226.19	o.k	44.24	o.k	-	-	o.k	0.09	o.k
268	1.26	0.15	ENVDIS	Combination	Min	-0.73	-0.53	-0.04	PAR SUPERIOR	0.01.80	-	-	40.51	o.k	82.85	o.k	44.10	o.k	-	-	o.k	0.03	o.k
268	1.58	0.32	ENVDIS	Combination	Min	-0.73	-0.53	-0.01	PAR SUPERIOR	0.01.80	-	-	40.58	o.k	10.85	o.k	43.79	o.k	-	-	o.k	0.00	o.k
268	1.58	0.00	ENVDIS	Combination	Min	-0.91	-0.07	-0.09	PAR SUPERIOR	0.01.80	-	-	50.53	o.k	47.28	o.k	5.65	o.k	-	-	o.k	0.02	o.k
268	1.89	0.32	ENVDIS	Combination	Min	-0.91	-0.06	0.00	PAR SUPERIOR	0.01.80	-	-	50.61	o.k	8.74	o.k	5.34	o.k	-	-	o.k	0.00	o.k
268	2.21	0.32	ENVDIS	Combination	Min	-0.91	-0.06	0.00	PAR SUPERIOR	0.01.80	-	-	50.69	o.k	1.78	o.k	5.05	o.k	-	-	o.k	0.00	o.k
268	2.37	0.16	ENVDIS	Combination	Min	-0.91	-0.06	0.00	PAR SUPERIOR	0.01.80	-	-	50.73	o.k	3.61	o.k	4.87	o.k	-	-	o.k	0.00	o.k
268	2.37	0.00	ENVDIS	Combination	Min	-1.09	-0.02	-0.01	PAR SUPERIOR	0.01.80	-	-	60.68	o.k	11.80	o.k	1.50	o.k	-	-	o.k	0.01	o.k
268	2.53	0.16	ENVDIS	Combination	Min	-1.09	-0.02	0.00	PAR SUPERIOR	0.01.80	-	-	60.72	o.k	6.70	o.k	1.41	o.k	-	-	o.k	0.00	o.k
268	2.84	0.32	ENVDIS	Combination	Min	-1.09	-0.01	-0.09	PAR SUPERIOR	0.01.80	-	-	60.80	o.k	58.52	o.k	1.22	o.k	-	-	o.k	0.02	o.k
268	3.16	0.00	ENVDIS	Combination	Min	-1.10	-0.01	-0.16	PAR SUPERIOR	0.01.80	-	-	60.88	o.k	296.20	o.k	1.05	o.k	-	-	o.k	0.13	o.k

CUBIERTA MADERA - CRUJIA 5

EVALUACION DE DEFORMACIONES



Luz Libre 8.21 m

Deformacion Admisible

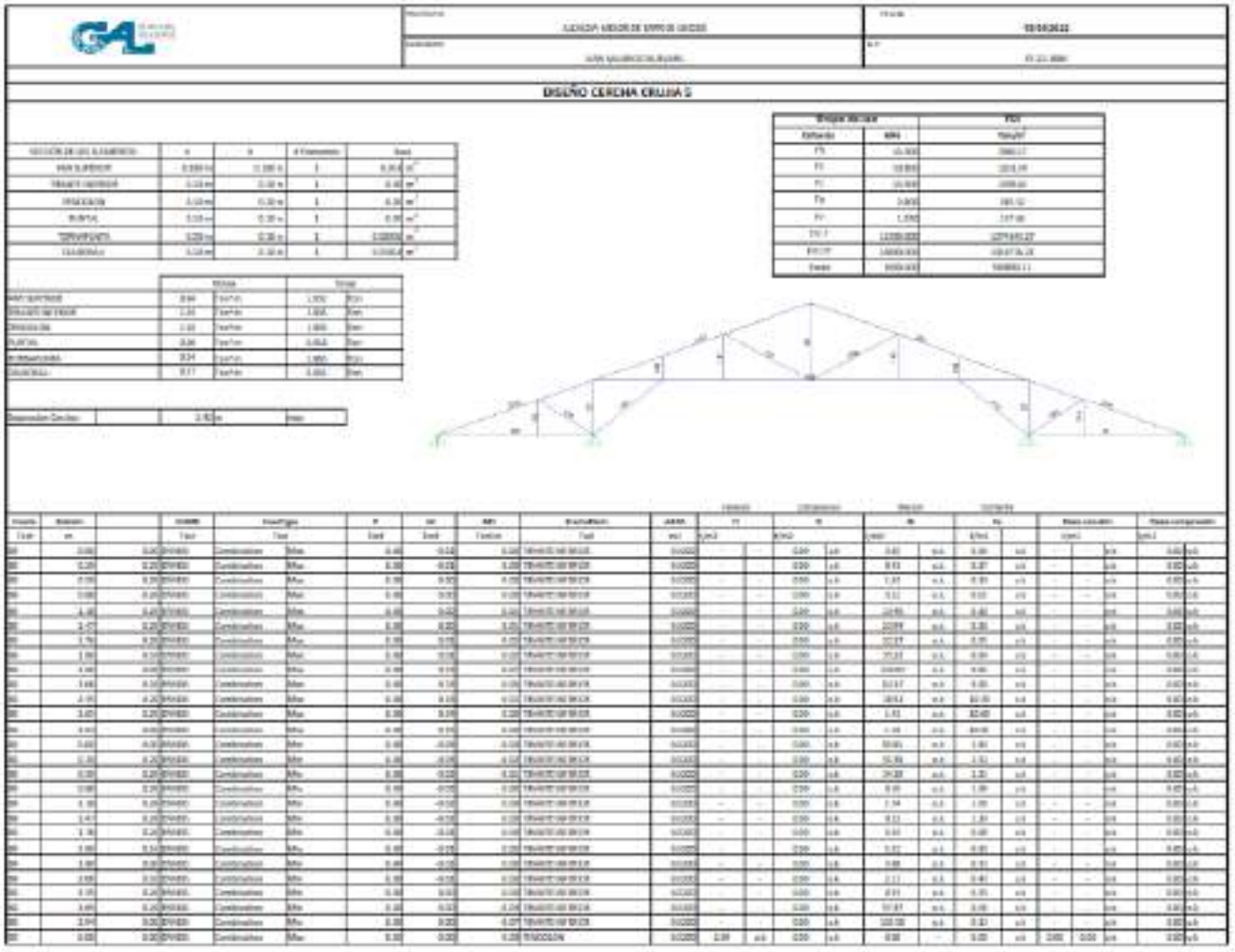
2.74 cm CUMPLE

Deforamcion cercha

0.09 cm



Analisis Elementos Grupo ES4



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
90	0.12	0.12	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0300	2.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.23	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.79	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.35	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.46	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.58	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.95	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.69	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.98	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.81	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.03	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.92	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.08	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	1.04	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.13	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	1.15	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
90	0.00	0.00	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.24	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.12	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.23	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.35	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	117.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.46	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.92	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.58	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.84	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.69	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0200	-	-	116.76	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.81	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.67	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	0.92	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.59	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	1.04	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
90	1.15	0.00	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0200	-	-	116.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
91	0.00	0.00	ENVDIS	Combination	Max	1.60	0.00	0.00	TIRANTE INFERIOR	0.0300	80.24	o.k	0.00	o.k	2.56	o.k	0.11	o.k	0.07	-0.05	o.k	0.00	o.k
91	0.82	0.82	ENVDIS	Combination	Max	1.60	0.01	0.03	TIRANTE INFERIOR	0.0300	80.24	o.k	0.00	o.k	61.52	o.k	0.40	o.k	0.11	-0.01	o.k	0.00	o.k
91	1.29	0.47	ENVDIS	Combination	Max	1.60	0.01	0.12	TIRANTE INFERIOR	0.0300	80.24	o.k	0.00	o.k	216.72	o.k	0.70	o.k	0.21	0.09	o.k	0.00	o.k
91	1.29	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	5.15	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
91	1.64	0.35	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	3.22	o.k	0.33	o.k	0.00	0.00	o.k	0.00	o.k
91	2.46	0.82	ENVDIS	Combination	Max	0.00	0.01	0.21	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	390.53	o.k	0.85	o.k	0.25	0.25	o.k	0.00	o.k
91	2.46	0.00	ENVDIS	Combination	Max	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	2.69	o.k	0.48	o.k	0.00	0.00	o.k	0.00	o.k
91	3.28	0.82	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	3.02	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
91	4.11	0.82	ENVDIS	Combination	Max	0.00	0.01	0.03	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	48.44	o.k	0.55	o.k	0.03	0.03	o.k	0.00	o.k
91	4.11	0.00	ENVDIS	Combination	Max	0.00	0.02	0.03	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	48.44	o.k	1.86	o.k	0.03	0.03	o.k	0.00	o.k
91	4.93	0.82	ENVDIS	Combination	Max	0.00	0.04	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	3.02	o.k	2.72	o.k	0.00	0.00	o.k	0.00	o.k
91	5.75	0.82	ENVDIS	Combination	Max	0.00	0.05	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	2.69	o.k	3.58	o.k	0.00	0.00	o.k	0.00	o.k
91	5.75	0.00	ENVDIS	Combination	Max	0.00	0.35	0.21	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	390.53	o.k	26.61	o.k	0.25	0.25	o.k	0.00	o.k
91	6.57	0.82	ENVDIS	Combination	Max	0.00	0.37	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	3.22	o.k	27.47	o.k	0.00	0.00	o.k	0.00	o.k
91	6.92	0.35	ENVDIS	Combination	Max	0.00	0.37	0.00	TIRANTE INFERIOR	0.0300	0.25	o.k	0.00	o.k	5.15	o.k	27.84	o.k	0.00	0.00	o.k	0.00	o.k
91	6.92	0.00	ENVDIS	Combination	Max	1.60	0.18	0.12	TIRANTE INFERIOR	0.0300	80.24	o.k	0.00	o.k	216.72	o.k	13.15	o.k	0.21	0.09	o.k	0.00	o.k
91	7.39	0.47	ENVDIS	Combination	Max	1.60	0.18	0.03	TIRANTE INFERIOR	0.0300	80.24	o.k	0.00	o.k	61.52	o.k	13.65	o.k	0.11	-0.01	o.k	0.00	o.k
91	8.21	0.00	ENVDIS	Combination	Max	1.60	0.19	0.00	TIRANTE INFERIOR	0.0300	80.24	o.k	0.00	o.k	2.56	o.k	14.51	o.k	0.07	-0.05	o.k	0.00	o.k
91	0.00	0.00	ENVDIS	Combination	Min	-0.04	-0.19	-0.12	TIRANTE INFERIOR	0.0300	-	-	1.77	o.k	223.91	o.k	14.51	o.k	-	-	o.k	0.14	o.k
91	0.82	0.82	ENVDIS	Combination	Min	-0.04	-0.18	0.00	TIRANTE INFERIOR	0.0300	-	-	1.77	o.k	0.44	o.k	13.65	o.k	-	-	o.k	0.00	o.k
91	1.29	0.47	ENVDIS	Combination	Min	-0.04	-0.18	0.00	TIRANTE INFERIOR	0.0300	-	-	1.77	o.k	6.87	o.k	13.15	o.k	-	-	o.k	0.00	o.k
91	1.29	0.00	ENVDIS	Combination	Min	-0.21	-0.37	-0.21	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	396.24	o.k	27.84	o.k	-	-	o.k	0.25	o.k
91	1.64	0.35	ENVDIS	Combination	Min	-0.21	-0.37	-0.08	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	155.87	o.k	27.47	o.k	-	-	o.k	0.10	o.k
91	2.46	0.82	ENVDIS	Combination	Min	-0.21	-0.35	0.00	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	8.69	o.k	26.61	o.k	-	-	o.k	0.01	o.k
91	2.46	0.00	ENVDIS	Combination	Min	-0.21	-0.05	-0.03	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	61.15	o.k	3.58	o.k	-	-	o.k	0.04	o.k
91	3.28	0.82	ENVDIS	Combination	Min	-0.21	-0.04	0.00	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	1.76	o.k	2.72	o.k	-	-	o.k	0.00	o.k
91	4.11	0.82	ENVDIS	Combination	Min	-0.21	-0.02	0.00	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	4.35	o.k	1.86	o.k	-	-	o.k	0.00	o.k
91	4.11	0.00	ENVDIS	Combination	Min	-0.21	-0.01	0.00	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	4.35	o.k	0.55	o.k	-	-	o.k	0.00	o.k
91	4.93	0.82	ENVDIS	Combination	Min	-0.21	0.00	0.00	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	1.76	o.k	0.04	o.k	-	-	o.k	0.00	o.k
91	5.75	0.82	ENVDIS	Combination	Min	-0.21	0.01	-0.03	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	61.15	o.k	0.48	o.k	-	-	o.k	0.04	o.k
91	5.75	0.00	ENVDIS	Combination	Min	-0.21	-0.01	0.00	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	8.69	o.k	0.85	o.k	-	-	o.k	0.01	o.k
91	6.57	0.82	ENVDIS	Combination	Min	-0.21	0.00	-0.08	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	155.87	o.k	0.33	o.k	-	-	o.k	0.10	o.k
91	6.92	0.35	ENVDIS	Combination	Min	-0.21	0.00	-0.21	TIRANTE INFERIOR	0.0300	-	-	10.69	o.k	396.24	o.k	0.11	o.k	-	-	o.k	0.25	o.k
91	6.92	0.00	ENVDIS	Combination	Min	-0.04	-0.01	0.00	TIRANTE INFERIOR	0.0300	-	-	1.77	o.k	6.87	o.k	0.70	o.k	-	-	o.k	0.00	o.k
91	7.39	0.47	ENVDIS	Combination	Min	-0.04	-0.01	0.00	TIRANTE INFERIOR	0.0300	-	-	1.77	o.k	0.44	o.k	0.40	o.k	-	-	o.k	0.00	o.k
91	8.21	0.00	ENVDIS	Combination	Min	-0.04	0.00	-0.12	TIRANTE INFERIOR	0.0300	-	-	1.77	o.k	223.91	o.k	0.11	o.k	-	-	o.k	0.15	o.k
92	0.00	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.12	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.13	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.23	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.08	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.35	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	3.03	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.46	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.98	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
92	0.58	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.69	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.81	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.92	0.12	ENVDIS	Combination	Max	0.06	0.00	0.00	PENDOLON	0.0300	2.79	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	1.04	0.12	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0300	2.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	1.15	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PENDOLON	0.0300	2.69	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
92	0.00	0.00	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0300	-	-	116.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.12	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0300	-	-	116.51	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.23	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0300	-	-	116.59	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.35	0.12	ENVDIS	Combination	Min	-2.33	0.00	0.00	PENDOLON	0.0300	-	-	116.67	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.46	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0300	-	-	116.76	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.58	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0300	-	-	116.84	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.69	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0300	-	-	116.92	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.81	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0300	-	-	117.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	0.92	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0300	-	-	117.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	1.04	0.12	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0300	-	-	117.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
92	1.15	0.00	ENVDIS	Combination	Min	-2.34	0.00	0.00	PENDOLON	0.0300	-	-	117.24	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
93	0.00	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	1.19	o.k	0.13	o.k	-	-	o.k	0.00	o.k
93	0.29	0.29	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	1.45	o.k	0.06	o.k	-	-	o.k	0.00	o.k
93	0.58	0.29	ENVDIS	Combination	Max	0.00	0.00	0.01	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	18.52	o.k	0.25	o.k	-	-	o.k	0.00	o.k
93	0.88	0.29	ENVDIS	Combination	Max	0.00	0.01	0.05	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	92.17	o.k	0.43	o.k	-	-	o.k	0.00	o.k
93	1.04	0.16	ENVDIS	Combination	Max	0.00	0.01	0.07	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	130.83	o.k	0.53	o.k	-	-	o.k	0.00	o.k
93	1.04	0.00	ENVDIS	Combination	Max	0.00	0.01	0.02	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	35.22	o.k	0.83	o.k	-	-	o.k	0.00	o.k
93	1.18	0.14	ENVDIS	Combination	Max	0.00	0.01	0.02	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	32.17	o.k	0.98	o.k	-	-	o.k	0.00	o.k
93	1.47	0.29	ENVDIS	Combination	Max	0.00	0.02	0.01	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	23.94	o.k	1.29	o.k	-	-	o.k	0.00	o.k
93	1.76	0.29	ENVDIS	Combination	Max	0.00	0.02	0.01	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	13.48	o.k	1.80	o.k	-	-	o.k	0.00	o.k
93	2.06	0.29	ENVDIS	Combination	Max	0.00	0.03	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	5.22	o.k	1.90	o.k	-	-	o.k	0.00	o.k
93	2.35	0.29	ENVDIS	Combination	Max	0.00	0.03	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	1.65	o.k	2.21	o.k	-	-	o.k	0.00	o.k
93	2.65	0.29	ENVDIS	Combination	Max	0.00	0.03	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	0.45	o.k	2.52	o.k	-	-	o.k	0.00	o.k
93	2.94	0.00	ENVDIS	Combination	Max	0.00	0.04	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	5.85	o.k	2.83	o.k	-	-	o.k	0.00	o.k
93	0.00	0.00	ENVDIS	Combination	Min	0.00	-0.15	-0.07	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	135.50	o.k	10.92	o.k	-	-	o.k	0.00	o.k
93	0.29	0.29	ENVDIS	Combination	Min	0.00	-0.14	-0.03	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	57.37	o.k	10.60	o.k	-	-	o.k	0.00	o.k
93	0.59	0.29	ENVDIS	Combination	Min	0.00	-0.14	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	0.35	o.k	10.30	o.k	-	-	o.k	0.00	o.k
93	0.88	0.29	ENVDIS	Combination	Min	0.00	-0.13	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	2.11	o.k	9.99	o.k	-	-	o.k	0.00	o.k
93	1.04	0.16	ENVDIS	Combination	Min	0.00	-0.13	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	5.98	o.k	9.82	o.k	-	-	o.k	0.00	o.k
93	1.04	0.00	ENVDIS	Combination	Min	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	5.52	o.k	0.64	o.k	-	-	o.k	0.00	o.k
93	1.18	0.14	ENVDIS	Combination	Min	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	3.54	o.k	0.55	o.k	-	-	o.k	0.00	o.k
93	1.47	0.29	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	0.22	o.k	0.36	o.k	-	-	o.k	0.00	o.k
93	1.76	0.29	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	1.74	o.k	0.18	o.k	-	-	o.k	0.00	o.k
93	2.06	0.29	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	0.19	o.k	0.01	o.k	-	-	o.k	0.00	o.k
93	2.35	0.29	ENVDIS	Combination	Min	0.00	0.00	-0.01	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	14.19	o.k	0.19	o.k	-	-	o.k	0.00	o.k
93	2.65	0.29	ENVDIS	Combination	Min	0.00	0.01	-0.02	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	31.39	o.k	0.37	o.k	-	-	o.k	0.00	o.k
93	2.94	0.00	ENVDIS	Combination	Min	0.00	0.01	-0.03	TIRANTE INFERIOR	0.0300	-	-	0.00	o.k	50.81	o.k	0.56	o.k	-	-	o.k	0.00	o.k
98	0.00	0.00	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0300	6.36	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	0.16	0.16	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0300	6.48	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	0.33	0.16	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0300	6.59	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	0.46	0.16	ENVDIS	Combination	Max	0.13	0.00	0.00	PENDOLON	0.0300	6.71	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	0.66	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0300	6.82	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	0.82	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0300	6.93	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	0.98	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0300	7.05	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	1.15	0.16	ENVDIS	Combination	Max	0.14	0.00	0.00	PENDOLON	0.0300	7.16	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	1.31	0.16	ENVDIS	Combination	Max	0.15	0.00	0.00	PENDOLON	0.0300	7.28	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	1.48	0.16	ENVDIS	Combination	Max	0.15	0.00	0.00	PENDOLON	0.0300	7.39	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	1.64	0.00	ENVDIS	Combination	Max	0.15	0.00	0.00	PENDOLON	0.0300	7.51	o.k	0.00	o.k	0.00	-	0.00	o.k	0.01	0.00	o.k	0.00	o.k
98	0.00	0.00	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0300	0.94	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.16	0.16	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0300	1.01	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.33	0.16	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0300	1.08	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.49	0.16	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0300	1.15	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.66	0.16	ENVDIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0300	1.22	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.82	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0300	1.29	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	0.98	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0300	1.36	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.15	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0300	1.43	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
98	1.33	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0300	1.50	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.48	0.16	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0300	1.56	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
98	1.64	0.00	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0300	1.63	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.55	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.07	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.58	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.15	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.61	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.22	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.64	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.30	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.68	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.37	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.71	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.45	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.52	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.59	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.67	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.83	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.74	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.86	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
99	0.00	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	14.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.07	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	14.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.15	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	14.11	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.22	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	14.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.30	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	14.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.37	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	13.96	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.45	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	13.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.52	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	13.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.59	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	13.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.67	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	13.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
99	0.74	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0300	-	-	13.69	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
100	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.05	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.76	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.10	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.78	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.15	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.21	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.82	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.26	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.31	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.87	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.36	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.41	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.91	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.46	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.52	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0300	4.95	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
100	0.00	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.93	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.05	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.10	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.86	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.15	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.21	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.26	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.31	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.71	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.36	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.41	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.64	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.46	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.61	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
100	0.52	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0300	-	-	141.57	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
101	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.10	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.81	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.20	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.85	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.29	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.39	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.49	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	1.97	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.59	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	2.01	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.69	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	2.06	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.79	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	2.10	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.88	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	2.14	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.98	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0300	2.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
101	0.00	0.00	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0300	-	-	30.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.10	0.10	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0300	-	-	30.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.20	0.10	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0300	-	-	30.56	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.29	0.10	ENVDIS	Combination	Min	-0.31	0.00	0.00	PUNTAL	0.0300	-	-	30.50	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
101	0.59	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.45	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.49	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.36	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.59	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.29	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.69	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.79	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.88	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
101	0.98	0.00	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.10	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.81	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.20	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.85	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.29	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.39	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.49	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.97	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.59	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.01	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.69	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.06	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.79	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.10	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.88	0.10	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.14	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.98	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	2.18	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
102	0.00	0.00	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.10	0.10	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.63	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.20	0.10	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.56	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.29	0.10	ENVDIS	Combination	Min	-0.51	0.00	0.00	PUNTAL	0.0100	-	-	50.50	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.39	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.49	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.36	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.59	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.29	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.69	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.79	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.88	0.10	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
102	0.98	0.00	ENVDIS	Combination	Min	-0.50	0.00	0.00	PUNTAL	0.0100	-	-	50.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
103	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.05	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.76	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.10	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.78	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.15	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.21	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.82	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.26	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.84	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.31	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.87	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.36	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.89	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.41	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.91	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.46	0.05	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.93	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.52	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	PUNTAL	0.0100	4.95	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
103	0.00	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.93	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.05	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.10	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.86	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.15	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.82	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.21	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.79	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.26	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.31	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.71	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.36	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.41	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.64	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.46	0.05	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.61	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
103	0.52	0.00	ENVDIS	Combination	Min	-1.42	0.00	0.00	PUNTAL	0.0100	-	-	141.57	o.k	0.00	-	0.00	o.k	-	-	o.k	0.01	o.k
104	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.55	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.07	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.58	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.15	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.61	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.22	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.64	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.30	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.68	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.37	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.71	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.45	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.74	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.52	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.77	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.59	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.80	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.67	0.07	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.83	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
104	0.74	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0100	1.86	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
104	0.00	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.07	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.15	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.11	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.22	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.30	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	14.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.37	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.96	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.45	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.52	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.59	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.67	0.07	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
104	0.74	0.00	ENVDIS	Combination	Min	-0.14	0.00	0.00	PUNTAL	0.0100	-	-	13.69	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
105	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	1.99	o.k	0.00	o.k	0.00	-	0.32	o.k	0.00	0.00	o.k	0.00	o.k
105	0.13	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.02	o.k	0.00	o.k	0.78	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
105	0.26	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.05	o.k	0.00	o.k	1.57	o.k	0.19	o.k	0.00	0.00	o.k	0.00	o.k
105	0.38	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.08	o.k	0.00	o.k	1.81	o.k	0.15	o.k	0.00	0.00	o.k	0.00	o.k
105	0.51	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.11	o.k	0.00	o.k	2.07	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
105	0.64	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.15	o.k	0.00	o.k	2.15	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
105	0.77	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.18	o.k	0.00	o.k	2.07	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
105	0.89	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.20	o.k	0.00	o.k	1.81	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k
105	1.02	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.23	o.k	0.00	o.k	1.57	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
105	1.15	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.26	o.k	0.00	o.k	0.78	o.k	0.43	o.k	0.00	0.00	o.k	0.00	o.k
105	1.28	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0302	2.29	o.k	0.00	o.k	0.00	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
105	0.00	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.94	o.k	0.00	-	0.53	o.k	-	-	o.k	0.00	o.k
105	0.13	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.89	o.k	0.46	o.k	0.43	o.k	-	-	o.k	0.00	o.k
105	0.26	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.84	o.k	0.83	o.k	0.32	o.k	-	-	o.k	0.00	o.k
105	0.38	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.79	o.k	1.09	o.k	0.22	o.k	-	-	o.k	0.00	o.k
105	0.51	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.74	o.k	1.24	o.k	0.11	o.k	-	-	o.k	0.00	o.k
105	0.64	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.68	o.k	1.30	o.k	0.00	o.k	-	-	o.k	0.00	o.k
105	0.77	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.63	o.k	1.24	o.k	0.06	o.k	-	-	o.k	0.00	o.k
105	0.89	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.58	o.k	1.09	o.k	0.13	o.k	-	-	o.k	0.00	o.k
105	1.02	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.53	o.k	0.83	o.k	0.19	o.k	-	-	o.k	0.00	o.k
105	1.15	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.48	o.k	0.46	o.k	0.25	o.k	-	-	o.k	0.00	o.k
105	1.28	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.42	o.k	0.00	o.k	0.32	o.k	-	-	o.k	0.00	o.k
106	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.06	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
106	0.17	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.11	o.k	0.00	o.k	1.30	o.k	0.32	o.k	0.01	0.00	o.k	0.00	o.k
106	0.35	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.16	o.k	0.00	o.k	2.51	o.k	0.24	o.k	0.01	0.00	o.k	0.00	o.k
106	0.52	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.21	o.k	0.00	o.k	3.04	o.k	0.16	o.k	0.01	0.00	o.k	0.00	o.k
106	0.69	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.26	o.k	0.00	o.k	3.46	o.k	0.08	o.k	0.01	0.00	o.k	0.00	o.k
106	0.86	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.31	o.k	0.00	o.k	3.61	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
106	1.04	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.34	o.k	0.00	o.k	3.46	o.k	0.13	o.k	0.01	0.00	o.k	0.00	o.k
106	1.21	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.39	o.k	0.00	o.k	3.04	o.k	0.27	o.k	0.01	0.00	o.k	0.00	o.k
106	1.38	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL	0.0102	5.44	o.k	0.00	o.k	2.31	o.k	0.40	o.k	0.01	0.00	o.k	0.00	o.k
106	1.56	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL	0.0102	5.49	o.k	0.00	o.k	1.30	o.k	0.55	o.k	0.01	0.00	o.k	0.00	o.k
106	1.73	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL	0.0102	5.54	o.k	0.00	o.k	0.00	o.k	0.66	o.k	0.01	0.00	o.k	0.00	o.k
106	0.00	0.00	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	240.18	o.k	0.00	-	0.66	o.k	-	-	o.k	0.05	o.k
106	0.17	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	240.10	o.k	0.78	o.k	0.55	o.k	-	-	o.k	0.05	o.k
106	0.35	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	240.02	o.k	1.39	o.k	0.40	o.k	-	-	o.k	0.05	o.k
106	0.52	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.94	o.k	1.81	o.k	0.27	o.k	-	-	o.k	0.05	o.k
106	0.69	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.86	o.k	2.07	o.k	0.15	o.k	-	-	o.k	0.05	o.k
106	0.86	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.78	o.k	2.17	o.k	0.00	o.k	-	-	o.k	0.05	o.k
106	1.04	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.70	o.k	2.07	o.k	0.08	o.k	-	-	o.k	0.05	o.k
106	1.21	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.63	o.k	1.81	o.k	0.16	o.k	-	-	o.k	0.05	o.k
106	1.38	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.55	o.k	1.39	o.k	0.24	o.k	-	-	o.k	0.05	o.k
106	1.56	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.47	o.k	0.78	o.k	0.32	o.k	-	-	o.k	0.05	o.k
106	1.73	0.00	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.39	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.05	o.k
107	0.00	0.00	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0205	0.38	o.k	0.00	o.k	0.00	-	0.51	o.k	0.00	0.00	o.k	0.00	o.k
107	0.19	0.19	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0205	0.42	o.k	0.00	o.k	5.69	o.k	0.41	o.k	0.00	0.00	o.k	0.00	o.k
107	0.38	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0205	0.46	o.k	0.00	o.k	6.54	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
107	0.57	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0205	0.50	o.k	0.00	o.k	8.57	o.k	0.21	o.k	0.01	0.01	o.k	0.00	o.k
107	0.77	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0205	0.54	o.k	0.00	o.k	9.81	o.k	0.10	o.k	0.01	0.01	o.k	0.00	o.k
107	0.96	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0205	0.58	o.k	0.00	o.k	10.22	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
107	1.15	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0205	0.63	o.k	0.00	o.k	9.81	o.k	0.17	o.k	0.01	0.01	o.k	0.00	o.k
107	1.34	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0205	0.66	o.k	0.00	o.k	8.57	o.k	0.34	o.k	0.01	0.01	o.k	0.00	o.k
107	1.53	0.19	ENVDIS	Combination	Max	0.01	0.01	0.00	TORNAPUNTA	0.0205	0.70	o.k	0.00	o.k	6.54	o.k	0.51	o.k	0.00	0.00	o.k	0.00	o.k
107	1.72	0.19	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0205	0.74	o.k	0.00	o.k	3.69	o.k	0.68	o.k	0.00	0.00	o.k	0.00	o.k
107	1.92	0.00	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0205	0.79	o.k	0.00	o.k	0.00	o.k	0.85	o.k	0.00	0.00	o.k	0.00	o.k
107	0.00	0.00	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0205	-	-	7.55	o.k	0.00	-	0.85	o.k	-	-	o.k	0.00	o.k
107	0.19	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0205	-	-	7.47	o.k	2.20	o.k	0.68	o.k	-	-	o.k	0.00	o.k
107	0.38	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0205	-	-	7.40	o.k	5.05	o.k	0.51	o.k	-	-	o.k	0.00	o.k
107	0.57	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0205	-	-	7.33	o.k	5.15	o.k	0.34	o.k	-	-	o.k	0.00	o.k
107	0.77	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0205	-	-	7.26	o.k	5.89	o.k	0.17	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
107	0.96	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.19	o.k	6.15	o.k	0.00	o.k	-	-	o.k	0.00	o.k
107	1.15	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.13	o.k	5.89	o.k	0.10	o.k	-	-	o.k	0.00	o.k
107	1.54	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.06	o.k	5.15	o.k	0.21	o.k	-	-	o.k	0.00	o.k
107	1.53	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0203	-	-	6.99	o.k	5.93	o.k	0.30	o.k	-	-	o.k	0.00	o.k
107	1.72	0.19	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0203	-	-	6.92	o.k	2.20	o.k	0.41	o.k	-	-	o.k	0.00	o.k
107	1.92	0.00	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0203	-	-	6.86	o.k	0.00	o.k	0.51	o.k	-	-	o.k	0.00	o.k
108	0.00	0.00	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0203	0.38	o.k	0.00	o.k	0.00	-	0.51	o.k	0.00	0.00	o.k	0.00	o.k
108	0.19	0.19	ENVDIS	Combination	Max	0.01	-0.01	0.00	TORNAPUNTA	0.0203	0.42	o.k	0.00	o.k	5.69	o.k	0.41	o.k	0.00	0.00	o.k	0.00	o.k
108	0.38	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0203	0.46	o.k	0.00	o.k	6.54	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
108	0.57	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0203	0.50	o.k	0.00	o.k	8.57	o.k	0.21	o.k	0.01	0.01	o.k	0.00	o.k
108	0.77	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0203	0.54	o.k	0.00	o.k	9.81	o.k	0.10	o.k	0.01	0.01	o.k	0.00	o.k
108	0.96	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0203	0.58	o.k	0.00	o.k	10.22	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
108	1.15	0.19	ENVDIS	Combination	Max	0.01	0.00	0.01	TORNAPUNTA	0.0203	0.65	o.k	0.00	o.k	9.81	o.k	0.17	o.k	0.01	0.01	o.k	0.00	o.k
108	1.54	0.19	ENVDIS	Combination	Max	0.01	0.00	0.00	TORNAPUNTA	0.0203	0.66	o.k	0.00	o.k	8.57	o.k	0.34	o.k	0.01	0.01	o.k	0.00	o.k
108	1.53	0.19	ENVDIS	Combination	Max	0.01	0.01	0.00	TORNAPUNTA	0.0203	0.70	o.k	0.00	o.k	6.54	o.k	0.51	o.k	0.00	0.00	o.k	0.00	o.k
108	1.72	0.19	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0203	0.74	o.k	0.00	o.k	5.69	o.k	0.68	o.k	0.00	0.00	o.k	0.00	o.k
108	1.92	0.00	ENVDIS	Combination	Max	0.02	0.01	0.00	TORNAPUNTA	0.0203	0.79	o.k	0.00	o.k	0.00	o.k	0.85	o.k	0.00	0.00	o.k	0.00	o.k
108	0.00	0.00	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0203	-	-	7.59	o.k	0.00	-	0.85	o.k	-	-	o.k	0.00	o.k
108	0.19	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0203	-	-	7.47	o.k	2.20	o.k	0.68	o.k	-	-	o.k	0.00	o.k
108	0.38	0.19	ENVDIS	Combination	Min	-0.15	-0.01	0.00	TORNAPUNTA	0.0203	-	-	7.40	o.k	5.93	o.k	0.51	o.k	-	-	o.k	0.00	o.k
108	0.57	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.33	o.k	5.15	o.k	0.34	o.k	-	-	o.k	0.00	o.k
108	0.77	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.26	o.k	5.89	o.k	0.17	o.k	-	-	o.k	0.00	o.k
108	0.96	0.19	ENVDIS	Combination	Min	-0.15	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.19	o.k	6.15	o.k	0.00	o.k	-	-	o.k	0.00	o.k
108	1.15	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.13	o.k	5.89	o.k	0.10	o.k	-	-	o.k	0.00	o.k
108	1.54	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0203	-	-	7.06	o.k	5.15	o.k	0.21	o.k	-	-	o.k	0.00	o.k
108	1.53	0.19	ENVDIS	Combination	Min	-0.14	0.00	0.00	TORNAPUNTA	0.0203	-	-	6.99	o.k	5.93	o.k	0.30	o.k	-	-	o.k	0.00	o.k
108	1.72	0.19	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0203	-	-	6.92	o.k	2.20	o.k	0.41	o.k	-	-	o.k	0.00	o.k
108	1.92	0.00	ENVDIS	Combination	Min	-0.14	0.01	0.00	TORNAPUNTA	0.0203	-	-	6.86	o.k	0.00	o.k	0.51	o.k	-	-	o.k	0.00	o.k
109	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	1.99	o.k	0.00	o.k	0.00	-	0.32	o.k	0.00	0.00	o.k	0.00	o.k
109	0.13	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.02	o.k	0.00	o.k	0.78	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
109	0.26	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.05	o.k	0.00	o.k	1.57	o.k	0.19	o.k	0.00	0.00	o.k	0.00	o.k
109	0.38	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.08	o.k	0.00	o.k	1.81	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
109	0.51	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.11	o.k	0.00	o.k	2.07	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
109	0.64	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.15	o.k	0.00	o.k	2.15	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
109	0.77	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.18	o.k	0.00	o.k	2.07	o.k	0.11	o.k	0.00	0.00	o.k	0.00	o.k
109	0.89	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.20	o.k	0.00	o.k	1.81	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k
109	1.02	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.23	o.k	0.00	o.k	1.37	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
109	1.15	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.26	o.k	0.00	o.k	0.78	o.k	0.43	o.k	0.00	0.00	o.k	0.00	o.k
109	1.28	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	DIAGONAL	0.0102	2.29	o.k	0.00	o.k	0.00	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
109	0.00	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.94	o.k	0.00	-	0.53	o.k	-	-	o.k	0.00	o.k
109	0.13	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.89	o.k	0.46	o.k	0.43	o.k	-	-	o.k	0.00	o.k
109	0.26	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.84	o.k	0.83	o.k	0.32	o.k	-	-	o.k	0.00	o.k
109	0.38	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.79	o.k	1.09	o.k	0.22	o.k	-	-	o.k	0.00	o.k
109	0.51	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.74	o.k	1.24	o.k	0.11	o.k	-	-	o.k	0.00	o.k
109	0.64	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.68	o.k	1.30	o.k	0.00	o.k	-	-	o.k	0.00	o.k
109	0.77	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.63	o.k	1.24	o.k	0.06	o.k	-	-	o.k	0.00	o.k
109	0.89	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.58	o.k	1.09	o.k	0.13	o.k	-	-	o.k	0.00	o.k
109	1.02	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.53	o.k	0.83	o.k	0.19	o.k	-	-	o.k	0.00	o.k
109	1.15	0.13	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.48	o.k	0.46	o.k	0.25	o.k	-	-	o.k	0.00	o.k
109	1.28	0.00	ENVDIS	Combination	Min	-0.87	0.00	0.00	DIAGONAL	0.0102	-	-	85.42	o.k	0.00	o.k	0.32	o.k	-	-	o.k	0.00	o.k
110	0.00	0.00	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.06	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
110	0.17	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.11	o.k	0.00	o.k	1.30	o.k	0.32	o.k	0.01	0.00	o.k	0.00	o.k
110	0.35	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.16	o.k	0.00	o.k	2.51	o.k	0.24	o.k	0.01	0.00	o.k	0.00	o.k
110	0.52	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.21	o.k	0.00	o.k	3.04	o.k	0.16	o.k	0.01	0.00	o.k	0.00	o.k
110	0.69	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.26	o.k	0.00	o.k	3.46	o.k	0.08	o.k	0.01	0.00	o.k	0.00	o.k
110	0.86	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.31	o.k	0.00	o.k	3.61	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
110	1.04	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.34	o.k	0.00	o.k	3.46	o.k	0.13	o.k	0.01	0.00	o.k	0.00	o.k
110	1.21	0.17	ENVDIS	Combination	Max	0.05	0.00	0.00	DIAGONAL	0.0102	5.39	o.k	0.00	o.k	3.04	o.k	0.27	o.k	0.01	0.00	o.k	0.00	o.k
110	1.38	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL	0.0102	5.44	o.k	0.00	o.k	2.51	o.k	0.40	o.k	0.01	0.00	o.k	0.00	o.k
110	1.56	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL	0.0102	5.49	o.k	0.00	o.k	1.30	o.k	0.55	o.k	0.01	0.00	o.k	0.00	o.k
110	1.73	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	DIAGONAL	0.0102	5.54	o.k	0.00	o.k	0.00	o.k	0.66	o.k	0.01	0.00	o.k	0.00	o.k
110	0.00	0.00	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	240.18	o.k	0.00	-	0.66	o.k	-	-	o.k	0.03	o.k
110	0.17	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	240.10	o.k	0.78	o.k	0.55	o.k	-	-	o.k	0.03	o.k
110	0.35	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	240.02	o.k	1.39	o.k	0.40	o.k	-	-	o.k	0.03	o.k
110	0.52	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.94	o.k	1.81	o.k	0.27	o.k	-	-	o.k	0.03	o.k
110	0.69	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.86	o.k	2.07	o.k	0.13	o.k	-	-	o.k	0.03	o.k
110	0.86	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.78	o.k	2.17	o.k	0.00	o.k	-	-	o.k	0.03	o.k
110	1.04	0.17	ENVDIS	Combination	Min	-2.44	0.00	0.00	DIAGONAL	0.0102	-	-	239.70	o.k	2.07	o.k	0.08	o.k	-	-	o.k	0.03	o.k
110	1.21	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.63	o.k	1.81	o.k	0.16	o.k	-	-	o.k	0.03	o.k
110	1.38	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.55	o.k	1.39	o.k	0.24	o.k	-	-	o.k	0.03	o.k
110	1.56	0.17	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.47	o.k	0.78	o.k	0.32	o.k	-	-	o.k	0.03	o.k
110	1.73	0.00	ENVDIS	Combination	Min	-2.43	0.00	0.00	DIAGONAL	0.0102	-	-	239.38	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.03	o.k
250	0.00	0.00	ENVDIS	Combination	Max	0.05	0.01	0.01	PAR SUPERIOR	0.0180	2.75	o.k	0.00	o.k	15.09	o.k	1.74	o.k	0.01	0.01	o.k	0.00	o.k
250	0.44	0.44	ENVDIS	Combination	Max	0.05	0.01	0.10	PAR SUPERIOR	0.0180	2.82	o.k	0.00	o.k	182.04	o.k	2.00	o.k	0.12	0.11	o.k	0.00	o.k
250	0.63	0.19	ENVDIS	Combination	Max	0.05	0.01	0.25	PAR SUPERIOR	0.0180	2.85	o.k	0.00	o.k	453.93	o.k	2.11	o.k	0.29	0.29	o.k	0.00	o.k
250	0.63	0.00	ENVDIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0180	2.90	o.k	0.00	o.k	1.22	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
250	0.88	0.25	ENVDIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0180	2.94	o.k	0.00	o.k	0.52	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
250	1.26	0.38	ENVDIS	Combination	Max	0.04	0.01	0.10	PAR SUPERIOR	0.0180	2.40	o.k	0.00	o.k	182.76	o.k	0.42	o.k	0.12	0.12	o.k	0.00	o.k

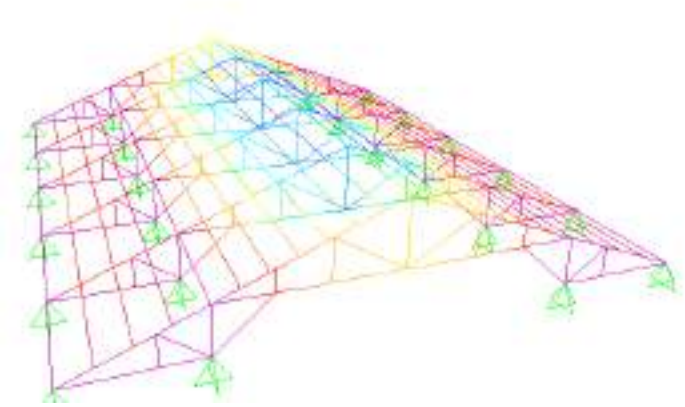
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
250	1.26	0.00	ENVDIS	Combination	Max	0.03	0.15	0.01	PAR SUPERIOR	0.0180	1.85	o.k	0.00	o.k	17.35	o.k	12.19	o.k	0.01	0.01	o.k	0.00	o.k
250	1.53	0.06	ENVDIS	Combination	Max	0.03	0.15	0.00	PAR SUPERIOR	0.0180	1.86	o.k	0.00	o.k	0.01	o.k	12.25	o.k	0.00	0.00	o.k	0.00	o.k
250	1.59	0.06	ENVDIS	Combination	Max	0.03	0.15	0.00	PAR SUPERIOR	0.0180	1.87	o.k	0.00	o.k	2.22	o.k	12.32	o.k	0.00	0.00	o.k	0.00	o.k
250	1.59	0.00	ENVDIS	Combination	Max	0.05	0.03	0.01	PAR SUPERIOR	0.0180	2.89	o.k	0.00	o.k	13.30	o.k	2.27	o.k	0.01	0.01	o.k	0.00	o.k
250	1.77	0.38	ENVDIS	Combination	Max	0.05	0.03	0.15	PAR SUPERIOR	0.0180	2.95	o.k	0.00	o.k	272.46	o.k	2.49	o.k	0.18	0.17	o.k	0.00	o.k
250	1.89	0.15	ENVDIS	Combination	Max	0.05	0.03	0.29	PAR SUPERIOR	0.0180	2.97	o.k	0.00	o.k	544.17	o.k	2.57	o.k	0.35	0.35	o.k	0.00	o.k
250	1.89	0.00	ENVDIS	Combination	Max	0.04	0.01	0.00	PAR SUPERIOR	0.0180	2.42	o.k	0.00	o.k	4.41	o.k	0.51	o.k	0.01	0.00	o.k	0.00	o.k
250	2.21	0.32	ENVDIS	Combination	Max	0.04	0.01	0.00	PAR SUPERIOR	0.0180	2.47	o.k	0.00	o.k	0.35	o.k	0.69	o.k	0.00	0.00	o.k	0.00	o.k
250	2.53	0.32	ENVDIS	Combination	Max	0.05	0.01	0.22	PAR SUPERIOR	0.0180	2.52	o.k	0.00	o.k	409.13	o.k	0.87	o.k	0.26	0.26	o.k	0.00	o.k
250	2.53	0.00	ENVDIS	Combination	Max	0.04	-0.01	0.00	PAR SUPERIOR	0.0180	1.97	o.k	0.00	o.k	1.59	o.k	1.18	o.k	0.00	0.00	o.k	0.00	o.k
250	2.65	0.13	ENVDIS	Combination	Max	0.04	-0.01	0.01	PAR SUPERIOR	0.0180	1.99	o.k	0.00	o.k	27.33	o.k	1.11	o.k	0.02	0.02	o.k	0.00	o.k
250	2.65	0.00	ENVDIS	Combination	Max	0.04	0.02	0.01	PAR SUPERIOR	0.0180	2.21	o.k	0.00	o.k	11.76	o.k	1.98	o.k	0.01	0.01	o.k	0.00	o.k
250	3.09	0.45	ENVDIS	Combination	Max	0.04	0.05	0.12	PAR SUPERIOR	0.0180	2.27	o.k	0.00	o.k	218.81	o.k	2.24	o.k	0.14	0.14	o.k	0.00	o.k
250	3.16	0.06	ENVDIS	Combination	Max	0.04	0.05	0.16	PAR SUPERIOR	0.0180	2.28	o.k	0.00	o.k	290.89	o.k	2.28	o.k	0.19	0.18	o.k	0.00	o.k
250	3.16	0.00	ENVDIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0180	1.75	o.k	0.00	o.k	2.41	o.k	0.22	o.k	0.00	0.00	o.k	0.00	o.k
250	3.54	0.38	ENVDIS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0180	1.79	o.k	0.00	o.k	18.54	o.k	0.44	o.k	0.01	0.01	o.k	0.00	o.k
250	3.79	0.25	ENVDIS	Combination	Max	0.03	0.01	0.05	PAR SUPERIOR	0.0180	1.85	o.k	0.00	o.k	90.41	o.k	0.59	o.k	0.06	0.06	o.k	0.00	o.k
250	3.79	0.00	ENVDIS	Combination	Max	0.02	0.50	0.10	PAR SUPERIOR	0.0180	1.28	o.k	0.00	o.k	179.31	o.k	25.35	o.k	0.12	0.11	o.k	0.00	o.k
250	3.98	0.19	ENVDIS	Combination	Max	0.02	0.51	0.04	PAR SUPERIOR	0.0180	1.32	o.k	0.00	o.k	72.20	o.k	25.53	o.k	0.05	0.05	o.k	0.00	o.k
250	4.42	0.00	ENVDIS	Combination	Max	0.02	0.51	0.00	PAR SUPERIOR	0.0180	1.38	o.k	0.00	o.k	8.57	o.k	25.97	o.k	0.01	0.00	o.k	0.00	o.k
250	0.00	0.00	ENVDIS	Combination	Min	-2.22	-0.78	-0.25	PAR SUPERIOR	0.0180	-	-	123.13	o.k	455.57	o.k	65.10	o.k	-	-	o.k	0.50	o.k
250	0.44	0.44	ENVDIS	Combination	Min	-2.21	-0.78	0.00	PAR SUPERIOR	0.0180	-	-	123.02	o.k	5.50	o.k	64.67	o.k	-	-	o.k	0.01	o.k
250	0.63	0.19	ENVDIS	Combination	Min	-2.21	-0.77	-0.01	PAR SUPERIOR	0.0180	-	-	122.97	o.k	13.94	o.k	64.48	o.k	-	-	o.k	0.02	o.k
250	0.63	0.00	ENVDIS	Combination	Min	-2.03	-0.52	-0.10	PAR SUPERIOR	0.0180	-	-	112.83	o.k	184.19	o.k	26.46	o.k	-	-	o.k	0.12	o.k
250	0.88	0.25	ENVDIS	Combination	Min	-2.03	-0.51	-0.02	PAR SUPERIOR	0.0180	-	-	112.77	o.k	36.37	o.k	26.21	o.k	-	-	o.k	0.03	o.k
250	1.26	0.38	ENVDIS	Combination	Min	-2.03	-0.51	0.00	PAR SUPERIOR	0.0180	-	-	112.67	o.k	2.09	o.k	25.84	o.k	-	-	o.k	0.01	o.k
250	1.26	0.00	ENVDIS	Combination	Min	-1.85	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	102.54	o.k	2.26	o.k	1.63	o.k	-	-	o.k	0.01	o.k
250	1.53	0.06	ENVDIS	Combination	Min	-1.85	-0.02	0.00	PAR SUPERIOR	0.0180	-	-	102.53	o.k	0.01	o.k	1.80	o.k	-	-	o.k	0.01	o.k
250	1.59	0.06	ENVDIS	Combination	Min	-1.85	-0.01	-0.01	PAR SUPERIOR	0.0180	-	-	102.51	o.k	17.20	o.k	1.57	o.k	-	-	o.k	0.02	o.k
250	1.59	0.00	ENVDIS	Combination	Min	-2.57	-1.17	-0.29	PAR SUPERIOR	0.0180	-	-	131.69	o.k	545.09	o.k	97.24	o.k	-	-	o.k	0.36	o.k
250	1.77	0.38	ENVDIS	Combination	Min	-2.57	-1.16	0.00	PAR SUPERIOR	0.0180	-	-	131.59	o.k	6.76	o.k	96.87	o.k	-	-	o.k	0.01	o.k
250	1.89	0.15	ENVDIS	Combination	Min	-2.57	-1.16	-0.01	PAR SUPERIOR	0.0180	-	-	131.58	o.k	13.85	o.k	96.75	o.k	-	-	o.k	0.02	o.k
250	1.89	0.00	ENVDIS	Combination	Min	-2.19	-0.70	-0.22	PAR SUPERIOR	0.0180	-	-	121.43	o.k	410.57	o.k	58.72	o.k	-	-	o.k	0.27	o.k
250	2.21	0.32	ENVDIS	Combination	Min	-2.18	-0.70	0.00	PAR SUPERIOR	0.0180	-	-	121.34	o.k	0.22	o.k	58.41	o.k	-	-	o.k	0.01	o.k
250	2.53	0.32	ENVDIS	Combination	Min	-2.18	-0.70	0.00	PAR SUPERIOR	0.0180	-	-	121.27	o.k	5.28	o.k	58.10	o.k	-	-	o.k	0.01	o.k
250	2.53	0.00	ENVDIS	Combination	Min	-2.00	-0.24	-0.01	PAR SUPERIOR	0.0180	-	-	111.13	o.k	27.59	o.k	20.07	o.k	-	-	o.k	0.02	o.k
250	2.65	0.13	ENVDIS	Combination	Min	-2.00	-0.24	0.00	PAR SUPERIOR	0.0180	-	-	111.11	o.k	1.56	o.k	19.95	o.k	-	-	o.k	0.01	o.k
250	2.65	0.00	ENVDIS	Combination	Min	-2.02	-0.61	-0.16	PAR SUPERIOR	0.0180	-	-	112.08	o.k	291.81	o.k	51.82	o.k	-	-	o.k	0.19	o.k
250	3.09	0.45	ENVDIS	Combination	Min	-2.02	-0.61	0.00	PAR SUPERIOR	0.0180	-	-	111.87	o.k	9.15	o.k	51.38	o.k	-	-	o.k	0.01	o.k
250	3.16	0.06	ENVDIS	Combination	Min	-2.02	-0.61	-0.01	PAR SUPERIOR	0.0180	-	-	111.98	o.k	12.31	o.k	51.52	o.k	-	-	o.k	0.01	o.k
250	3.16	0.00	ENVDIS	Combination	Min	-1.83	-0.16	-0.05	PAR SUPERIOR	0.0180	-	-	101.82	o.k	91.85	o.k	13.29	o.k	-	-	o.k	0.06	o.k
250	3.54	0.38	ENVDIS	Combination	Min	-1.83	-0.16	0.00	PAR SUPERIOR	0.0180	-	-	101.73	o.k	0.37	o.k	12.92	o.k	-	-	o.k	0.01	o.k
250	3.79	0.25	ENVDIS	Combination	Min	-1.83	-0.15	0.00	PAR SUPERIOR	0.0180	-	-	101.66	o.k	5.28	o.k	12.68	o.k	-	-	o.k	0.01	o.k
250	3.79	0.00	ENVDIS	Combination	Min	-1.65	-0.03	-0.01	PAR SUPERIOR	0.0180	-	-	91.53	o.k	9.44	o.k	1.47	o.k	-	-	o.k	0.01	o.k
250	3.98	0.19	ENVDIS	Combination	Min	-1.65	-0.02	0.00	PAR SUPERIOR	0.0180	-	-	91.48	o.k	5.50	o.k	1.36	o.k	-	-	o.k	0.01	o.k
250	4.42	0.00	ENVDIS	Combination	Min	-1.64	-0.01	-0.10	PAR SUPERIOR	0.0180	-	-	91.37	o.k	180.76	o.k	1.10	o.k	-	-	o.k	0.21	o.k
257	0.00	0.00	ENVDIS	Combination	Max	0.02	0.01	0.00	PAR SUPERIOR	0.0180	1.38	o.k	0.00	o.k	8.57	o.k	1.10	o.k	0.01	0.00	o.k	0.00	o.k
257	0.44	0.44	ENVDIS	Combination	Max	0.02	0.02	0.04	PAR SUPERIOR	0.0180	1.32	o.k	0.00	o.k	72.20	o.k	1.36	o.k	0.05	0.05	o.k	0.00	o.k
257	0.63	0.19	ENVDIS	Combination	Max	0.02	0.02	0.10	PAR SUPERIOR	0.0180	1.28	o.k	0.00	o.k	179.31	o.k	1.47	o.k	0.12	0.11	o.k	0.00	o.k
257	0.63	0.00	ENVDIS	Combination	Max	0.03	0.15	0.05	PAR SUPERIOR	0.0180	1.85	o.k	0.00	o.k	90.41	o.k	12.68	o.k	0.06	0.06	o.k	0.00	o.k
257	0.88	0.25	ENVDIS	Combination	Max	0.03	0.16	0.01	PAR SUPERIOR	0.0180	1.79	o.k	0.00	o.k	18.54	o.k	12.92	o.k	0.01	0.01	o.k	0.00	o.k
257	1.26	0.38	ENVDIS	Combination	Max	0.03	0.16	0.00	PAR SUPERIOR	0.0180	1.75	o.k	0.00	o.k	2.41	o.k	13.29	o.k	0.00	0.00	o.k	0.00	o.k
257	1.26	0.00	ENVDIS	Combination	Max	0.04	0.62	0.16	PAR SUPERIOR	0.0180	2.28	o.k	0.00	o.k	290.89	o.k	51.52	o.k	0.19	0.18	o.k	0.00	o.k
257	1.53	0.06	ENVDIS	Combination	Max	0.04	0.62	0.12	PAR SUPERIOR	0.0180	2.27	o.k	0.00	o.k	218.81	o.k	51.38	o.k	0.14	0.14	o.k	0.00	o.k
257	1.77	0.45	ENVDIS	Combination	Max	0.04	0.62	0.01	PAR SUPERIOR	0.0180	2.21	o.k	0.00	o.k	11.76	o.k	51.82	o.k	0.01	0.01	o.k	0.00	o.k
257	1.77	0.00	ENVDIS	Combination	Max	0.04	0.24	0.01	PAR SUPERIOR	0.0180	1.99	o.k	0.00	o.k	27.33	o.k	19.95	o.k	0.02	0.02	o.k	0.00	o.k
257	1.89	0.13	ENVDIS	Combination	Max	0.04	0.24	0.00	PAR SUPERIOR	0.0180	1.97	o.k	0.00	o.k	1.59	o.k	20.07	o.k	0.00	0.00	o.k	0.00	o.k
257	1.89	0.00	ENVDIS	Combination	Max	0.05	0.70	0.22	PAR SUPERIOR	0.0180	2.52	o.k	0.00	o.k	409.13	o.k	58.10	o.k	0.26	0.26	o.k	0.00	o.k
257	2.21	0.32	ENVDIS	Combination	Max	0.04	0.70	0.00	PAR SUPERIOR	0.0180	2.47	o.k	0.00	o.k	0.35	o.k	58.41	o.k	0.00	0.00	o.k	0.00	o.k
257	2.53	0.32	ENVDIS	Combination	Max	0.04	0.70	0.00	PAR SUPERIOR	0.0180	2.42	o.k	0.00	o.k	4.41	o.k	58.72	o.k	0.01	0.00	o.k	0.00	o.k
257	2.53	0.00	ENVDIS	Combination	Max	0.05	1.16	0.29	PAR SUPERIOR	0.0180	2.97	o.k	0.00	o.k	544.17	o.k	96.75	o.k	0.35	0.35	o.k	0.00	o.k
257	2.65	0.13	ENVDIS	Combination	Max	0.05	1.16	0.15	PAR SUPERIOR	0.0180	2.95	o.k	0.00	o.k	272.46	o.k	96.87	o.k	0.18	0.17	o.k	0.00	o.k
257	3.03	0.38	ENVDIS	Combination	Max	0.05	1.17	0.01	PAR SUPERIOR	0.0180	2.89	o.k	0.00	o.k	13.30	o.k	97.24	o.k	0.01	0.01	o.k	0.00	o.k
257	3.03	0.00	ENVDIS	Combination	Max	0.03	0.02	0.00	PAR SUPERIOR	0.0180	1.87	o.k	0.00	o.k	2.22	o.k	1.57	o.k	0.00	0.00	o.k	0.00	o.k
257	3.09	0.06	ENVDIS	Combination	Max	0.03	0.02	0.00	PAR SUPERIOR	0.0180	1.86	o.k	0.00	o.k	0.01	o.k	1.80	o.k	0.00	0.00	o.k	0.00	o.k
257	3.16	0.06	ENVDIS	Combination	Max	0.03	0.02	0.01	PAR SUPERIOR	0.0180	1.85	o.k	0.00	o.k	17.35	o.k	1.63	o.k	0.01	0.01	o.k	0.00	o.k
257	3.16	0.00	ENVDIS	Combination	Max	0.04	0.51	0.10	PAR SUPERIOR	0.0180	2.40	o.k	0.00	o.k	182.76	o.k	25.84	o.k	0.12	0.12	o.k	0.00	o.k
257	3.54	0.38	ENVDIS	Combination	Max	0.04	0.51	0.00	PAR SUPERIOR	0.0180	2.34	o.k	0.00	o.k	0.52	o.k	26.21	o.k	0.00	0.00	o.k	0.00	o.k
257	3.79	0.25	ENVDIS	Combination	Max	0.04	0.52	0.00	PAR SUPERIOR	0.0180	2.30	o.k	0.00	o.k	1.22	o.k	26.46	o.k	0.00	0.00	o.k	0.00	o.k
257	3.79	0.00	ENVDIS	Combination	Max	0.05	0.77	0.25	PAR SUPERIOR	0.0180	2.85	o.k	0.00	o.k	455.93	o.k	64.48	o.k	0.29	0.29	o.k	0.00	o.k
257	3.98	0.19	ENVDIS	Combination	Max	0.05	0.78	0.10	PAR SUPERIOR	0.0180	2.82	o.k	0.00	o.k	182.04	o.k	64.67	o.k	0.12	0.11	o.k	0.00	o.k
257	4.42	0.00	ENVDIS	Combination	Max	0.05	0.78	0.01	PAR SUPERIOR	0.0180	2.75	o.k	0.00	o.k	13.09	o.k	65.10	o.k	0.01	0.01	o.k	0.00	o.k
257	0.00	0.00	ENVDIS	Combination	Min	-1.64	-0.51	-0.10	PAR SUPERIOR	0.0180	-	-	91.57	o.k	180.76	o.k	25.97	o.k	-	-	o.k	0.12	o.k
257	0.44	0.44	ENVDIS	Combination	Min	-1.65	-0.51	0.00	PAR SUPERIOR	0.0180	-	-	91.48	o.k	5.50	o.k	25.53	o.k	-	-	o.k	0.01	o.k
257	0.63	0.19	ENVDIS	Combination	Min	-1.65	-0.50	-0.01	PAR SUPERIOR	0.0180	-	-	91.53	o.k	9.44	o.k	25.35	o.k	-	-	o.k	0.01	o.k
257	0.63	0.00	ENVDIS	Combination	Min	-1.83	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	101.66	o.k	5.28	o.k	0.59	o.k	-	-	o.k	0.01	o.k
257	0.88	0.25	ENVDIS	Combination	Min	-1.83	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	101.73	o.k	0.37	o.k	0.44	o.k	-	-	o.k	0.01	o.k
257	1.26	0.38	ENVDIS	Combination	Min	-1.83	0.00	-0.05	PAR SUPERIOR	0.0180	-	-	101.82	o.k	91.85	o.k	0.22	o.k	-	-	o.k	0.06	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
257	1.26	0.00	ENVDIS	Combination	Min	-2.02	-0.05	-0.01	PAR SUPERIOR	0.0180	-	-	111.96	o.k	12.31	o.k	2.28	o.k	-	-	o.k	0.01	o.k
257	1.59	0.06	ENVDIS	Combination	Min	-2.02	-0.05	0.00	PAR SUPERIOR	0.0180	-	-	111.97	o.k	9.15	o.k	2.24	o.k	-	-	o.k	0.01	o.k
257	1.77	0.45	ENVDIS	Combination	Min	-2.02	-0.02	-0.16	PAR SUPERIOR	0.0180	-	-	112.08	o.k	291.81	o.k	1.98	o.k	-	-	o.k	0.19	o.k
257	1.77	0.00	ENVDIS	Combination	Min	-2.00	0.01	0.00	PAR SUPERIOR	0.0180	-	-	111.11	o.k	1.56	o.k	1.11	o.k	-	-	o.k	0.01	o.k
257	1.89	0.12	ENVDIS	Combination	Min	-2.00	0.01	-0.01	PAR SUPERIOR	0.0180	-	-	111.15	o.k	27.59	o.k	1.18	o.k	-	-	o.k	0.02	o.k
257	1.89	0.00	ENVDIS	Combination	Min	-2.18	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	121.27	o.k	5.28	o.k	0.87	o.k	-	-	o.k	0.01	o.k
257	2.21	0.32	ENVDIS	Combination	Min	-2.18	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	121.34	o.k	0.22	o.k	0.89	o.k	-	-	o.k	0.01	o.k
257	2.53	0.32	ENVDIS	Combination	Min	-2.19	-0.01	-0.22	PAR SUPERIOR	0.0180	-	-	121.43	o.k	410.57	o.k	0.51	o.k	-	-	o.k	0.27	o.k
257	2.53	0.00	ENVDIS	Combination	Min	-2.37	-0.03	-0.01	PAR SUPERIOR	0.0180	-	-	131.56	o.k	13.85	o.k	2.57	o.k	-	-	o.k	0.02	o.k
257	2.65	0.13	ENVDIS	Combination	Min	-2.37	-0.03	0.00	PAR SUPERIOR	0.0180	-	-	131.59	o.k	6.76	o.k	2.49	o.k	-	-	o.k	0.01	o.k
257	3.03	0.38	ENVDIS	Combination	Min	-2.37	-0.03	-0.29	PAR SUPERIOR	0.0180	-	-	131.69	o.k	545.09	o.k	2.27	o.k	-	-	o.k	0.36	o.k
257	3.03	0.00	ENVDIS	Combination	Min	-1.85	-0.15	-0.01	PAR SUPERIOR	0.0180	-	-	102.51	o.k	17.20	o.k	12.32	o.k	-	-	o.k	0.02	o.k
257	3.09	0.06	ENVDIS	Combination	Min	-1.85	-0.15	0.00	PAR SUPERIOR	0.0180	-	-	102.53	o.k	0.01	o.k	12.25	o.k	-	-	o.k	0.01	o.k
257	3.16	0.06	ENVDIS	Combination	Min	-1.85	-0.15	0.00	PAR SUPERIOR	0.0180	-	-	102.54	o.k	2.26	o.k	12.19	o.k	-	-	o.k	0.01	o.k
257	3.16	0.00	ENVDIS	Combination	Min	-2.03	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	112.67	o.k	2.09	o.k	0.42	o.k	-	-	o.k	0.01	o.k
257	3.54	0.38	ENVDIS	Combination	Min	-2.03	0.00	-0.02	PAR SUPERIOR	0.0180	-	-	112.77	o.k	36.37	o.k	0.20	o.k	-	-	o.k	0.03	o.k
257	3.79	0.25	ENVDIS	Combination	Min	-2.03	0.00	-0.13	PAR SUPERIOR	0.0180	-	-	112.83	o.k	184.19	o.k	0.05	o.k	-	-	o.k	0.12	o.k
257	3.79	0.00	ENVDIS	Combination	Min	-2.21	-0.03	-0.01	PAR SUPERIOR	0.0180	-	-	122.97	o.k	13.94	o.k	2.11	o.k	-	-	o.k	0.02	o.k
257	3.98	0.19	ENVDIS	Combination	Min	-2.21	-0.02	0.00	PAR SUPERIOR	0.0180	-	-	123.02	o.k	5.30	o.k	2.00	o.k	-	-	o.k	0.01	o.k
257	4.42	0.00	ENVDIS	Combination	Min	-2.22	-0.02	-0.25	PAR SUPERIOR	0.0180	-	-	123.13	o.k	455.57	o.k	1.74	o.k	-	-	o.k	0.69	o.k
264	0.00	0.00	ENVDIS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0180	1.50	o.k	0.00	o.k	10.44	o.k	1.03	o.k	0.01	0.01	o.k	0.00	o.k
264	0.32	0.32	ENVDIS	Combination	Max	0.03	0.01	0.00	PAR SUPERIOR	0.0180	1.55	o.k	0.00	o.k	2.52	o.k	1.22	o.k	0.00	0.00	o.k	0.00	o.k
264	0.63	0.32	ENVDIS	Combination	Max	0.03	0.02	0.10	PAR SUPERIOR	0.0180	1.60	o.k	0.00	o.k	177.00	o.k	1.41	o.k	0.11	0.11	o.k	0.00	o.k
264	0.79	0.16	ENVDIS	Combination	Max	0.03	0.02	0.16	PAR SUPERIOR	0.0180	1.62	o.k	0.00	o.k	293.94	o.k	1.50	o.k	0.19	0.19	o.k	0.00	o.k
264	0.79	0.00	ENVDIS	Combination	Max	0.02	0.06	-0.02	PAR SUPERIOR	0.0180	1.08	o.k	0.00	o.k	45.02	o.k	4.87	o.k	0.05	0.05	o.k	0.00	o.k
264	0.95	0.16	ENVDIS	Combination	Max	0.02	0.06	-0.01	PAR SUPERIOR	0.0180	1.11	o.k	0.00	o.k	27.65	o.k	5.05	o.k	0.02	0.02	o.k	0.00	o.k
264	1.26	0.32	ENVDIS	Combination	Max	0.02	0.06	0.00	PAR SUPERIOR	0.0180	1.16	o.k	0.00	o.k	0.89	o.k	5.34	o.k	0.00	0.00	o.k	0.00	o.k
264	1.58	0.32	ENVDIS	Combination	Max	0.02	0.07	0.00	PAR SUPERIOR	0.0180	1.21	o.k	0.00	o.k	2.24	o.k	5.65	o.k	0.00	0.00	o.k	0.00	o.k
264	1.58	0.00	ENVDIS	Combination	Max	0.01	0.55	0.12	PAR SUPERIOR	0.0180	0.67	o.k	0.00	o.k	225.43	o.k	43.79	o.k	0.15	0.14	o.k	0.00	o.k
264	1.89	0.32	ENVDIS	Combination	Max	0.01	0.55	0.00	PAR SUPERIOR	0.0180	0.72	o.k	0.00	o.k	5.91	o.k	44.10	o.k	0.00	0.00	o.k	0.00	o.k
264	2.04	0.15	ENVDIS	Combination	Max	0.01	0.55	-0.01	PAR SUPERIOR	0.0180	0.74	o.k	0.00	o.k	10.19	o.k	44.24	o.k	0.01	0.01	o.k	0.00	o.k
264	2.04	0.00	ENVDIS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0180	0.51	o.k	0.00	o.k	4.87	o.k	1.27	o.k	0.00	0.00	o.k	0.00	o.k
264	2.21	0.17	ENVDIS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0180	0.55	o.k	0.00	o.k	5.59	o.k	1.37	o.k	0.00	0.00	o.k	0.00	o.k
264	2.37	0.16	ENVDIS	Combination	Max	0.01	0.02	0.05	PAR SUPERIOR	0.0180	0.56	o.k	0.00	o.k	98.83	o.k	1.47	o.k	0.06	0.06	o.k	0.00	o.k
264	2.37	0.00	ENVDIS	Combination	Max	0.00	0.14	0.06	PAR SUPERIOR	0.0180	0.02	o.k	0.00	o.k	104.31	o.k	11.63	o.k	0.07	0.07	o.k	0.00	o.k
264	2.53	0.16	ENVDIS	Combination	Max	0.00	0.14	0.03	PAR SUPERIOR	0.0180	0.04	o.k	0.00	o.k	65.22	o.k	11.78	o.k	0.04	0.04	o.k	0.00	o.k
264	2.84	0.32	ENVDIS	Combination	Max	0.00	0.15	0.00	PAR SUPERIOR	0.0180	0.09	o.k	0.00	o.k	0.94	o.k	12.10	o.k	0.00	0.00	o.k	0.00	o.k
264	3.16	0.00	ENVDIS	Combination	Max	0.00	0.15	0.00	PAR SUPERIOR	0.0180	0.14	o.k	0.00	o.k	2.52	o.k	12.41	o.k	0.00	0.00	o.k	0.00	o.k
264	0.00	0.00	ENVDIS	Combination	Min	-1.10	-0.41	-0.16	PAR SUPERIOR	0.0180	-	-	60.88	o.k	298.20	o.k	34.03	o.k	-	-	o.k	0.19	o.k
264	0.32	0.32	ENVDIS	Combination	Min	-1.09	-0.40	-0.03	PAR SUPERIOR	0.0180	-	-	60.80	o.k	58.53	o.k	33.72	o.k	-	-	o.k	0.04	o.k
264	0.63	0.32	ENVDIS	Combination	Min	-1.09	-0.40	0.00	PAR SUPERIOR	0.0180	-	-	60.72	o.k	6.70	o.k	33.42	o.k	-	-	o.k	0.01	o.k
264	0.79	0.16	ENVDIS	Combination	Min	-1.09	-0.40	-0.01	PAR SUPERIOR	0.0180	-	-	60.68	o.k	11.80	o.k	33.26	o.k	-	-	o.k	0.01	o.k
264	0.79	0.00	ENVDIS	Combination	Min	-0.91	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	50.73	o.k	3.61	o.k	0.57	o.k	-	-	o.k	0.00	o.k
264	0.95	0.16	ENVDIS	Combination	Min	-0.91	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	50.69	o.k	1.78	o.k	0.47	o.k	-	-	o.k	0.00	o.k
264	1.26	0.32	ENVDIS	Combination	Min	-0.91	0.00	0.00	PAR SUPERIOR	0.0180	-	-	50.61	o.k	8.74	o.k	0.28	o.k	-	-	o.k	0.01	o.k
264	1.58	0.32	ENVDIS	Combination	Min	-0.91	0.00	-0.03	PAR SUPERIOR	0.0180	-	-	50.53	o.k	47.28	o.k	0.10	o.k	-	-	o.k	0.03	o.k
264	1.58	0.00	ENVDIS	Combination	Min	-0.79	-0.03	-0.01	PAR SUPERIOR	0.0180	-	-	40.58	o.k	10.65	o.k	2.17	o.k	-	-	o.k	0.01	o.k
264	1.89	0.32	ENVDIS	Combination	Min	-0.75	-0.02	-0.04	PAR SUPERIOR	0.0180	-	-	40.51	o.k	82.85	o.k	1.98	o.k	-	-	o.k	0.05	o.k
264	2.04	0.15	ENVDIS	Combination	Min	-0.75	-0.02	-0.12	PAR SUPERIOR	0.0180	-	-	40.47	o.k	226.19	o.k	1.90	o.k	-	-	o.k	0.15	o.k
264	2.04	0.00	ENVDIS	Combination	Min	-0.50	-0.32	-0.05	PAR SUPERIOR	0.0180	-	-	16.74	o.k	97.22	o.k	26.82	o.k	-	-	o.k	0.06	o.k
264	2.21	0.17	ENVDIS	Combination	Min	-0.50	-0.32	0.00	PAR SUPERIOR	0.0180	-	-	16.71	o.k	0.12	o.k	26.66	o.k	-	-	o.k	0.00	o.k
264	2.37	0.16	ENVDIS	Combination	Min	-0.50	-0.32	0.00	PAR SUPERIOR	0.0180	-	-	16.66	o.k	5.11	o.k	26.50	o.k	-	-	o.k	0.00	o.k
264	2.37	0.00	ENVDIS	Combination	Min	-0.12	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	6.72	o.k	3.87	o.k	0.60	o.k	-	-	o.k	0.00	o.k
264	2.53	0.16	ENVDIS	Combination	Min	-0.12	-0.01	0.00	PAR SUPERIOR	0.0180	-	-	6.68	o.k	1.94	o.k	0.50	o.k	-	-	o.k	0.00	o.k
264	2.84	0.32	ENVDIS	Combination	Min	-0.12	0.00	-0.01	PAR SUPERIOR	0.0180	-	-	6.59	o.k	20.59	o.k	0.32	o.k	-	-	o.k	0.01	o.k
264	3.16	0.00	ENVDIS	Combination	Min	-0.12	0.00	-0.06	PAR SUPERIOR	0.0180	-	-	6.52	o.k	108.56	o.k	0.15	o.k	-	-	o.k	0.07	o.k
268	0.00	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0180	0.14	o.k	0.00	o.k	2.52	o.k	0.15	o.k	0.00	0.00	o.k	0.00	o.k
268	0.32	0.32	ENVDIS	Combination	Max	0.00	0.00	0.00	PAR SUPERIOR	0.0180	0.09	o.k	0.00	o.k	0.94	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
268	0.63	0.32	ENVDIS	Combination	Max	0.00	0.01	0.03	PAR SUPERIOR	0.0180	0.04	o.k	0.00	o.k	65.22	o.k	0.50	o.k	0.04	0.04	o.k	0.00	o.k
268	0.79	0.16	ENVDIS	Combination	Max	0.00	0.01	0.06	PAR SUPERIOR	0.0180	0.02	o.k	0.00	o.k	104.31	o.k	0.60	o.k	0.07	0.07	o.k	0.00	o.k
268	0.79	0.00	ENVDIS	Combination	Max	0.01	0.52	0.05	PAR SUPERIOR	0.0180	0.56	o.k	0.00	o.k	98.83	o.k	26.50	o.k	0.06	0.06	o.k	0.00	o.k
268	0.95	0.16	ENVDIS	Combination	Max	0.01	0.52	0.00	PAR SUPERIOR	0.0180	0.55	o.k	0.00	o.k	5.59	o.k	26.66	o.k	0.00	0.00	o.k	0.00	o.k
268	1.12	0.17	ENVDIS	Combination	Max	0.01	0.52	0.00	PAR SUPERIOR	0.0180	0.51	o.k	0.00	o.k	4.87	o.k	26.82	o.k	0.00	0.00	o.k	0.00	o.k
268	1.12	0.00	ENVDIS	Combination	Max	0.01	0.02	0.01	PAR SUPERIOR	0.0180	0.74	o.k	0.00	o.k	10.19	o.k	1.90	o.k	0.01	0.01	o.k	0.00	o.k
268	1.26	0.15	ENVDIS	Combination	Max	0.01	0.02	0.00	PAR SUPERIOR	0.0180	0.72	o.k	0.00	o.k	5.91	o.k	1.88	o.k	0.00	0.00	o.k	0.00	o.k
268	1.58	0.32	ENVDIS	Combination	Max	0.01	0.03	0.12	PAR SUPERIOR	0.0180	0.67	o.k	0.00	o.k	225.43	o.k	2.17	o.k	0.15	0.14	o.k	0.00	o.k
268	1.58	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	PAR SUPERIOR	0.0180	1.21	o.k	0.00	o.k	2.24	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
268	1.89	0.32	ENVDIS	Combination	Max	0.02	0.00	0.00	PAR SUPERIOR	0.0180	1.16	o.k	0.00	o.k	0.89	o.k	0.28	o.k	0.00	0.00	o.k	0.00	o.k
268	2.21	0.32	ENVDIS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.0180	1.11	o.k	0.00	o.k	27.65	o.k	0.47	o.k	0.02	0.02	o.k	0.00	o.k
268	2.37	0.16	ENVDIS	Combination	Max	0.02	0.01	0.02	PAR SUPERIOR	0.0180	1.08	o.k	0.00	o.k	45.02	o.k	0.57	o.k	0.05	0.05	o.k	0.00	o.k
268	2.37	0.00	ENVDIS	Combination	Max	0.03	0.40	0.16	PAR SUPERIOR	0.0180	1.62	o.k	0.00	o.k	293.94	o.k	33.26	o.k	0.19	0.19	o.k	0.00	o.k
268	2.53	0.16	ENVDIS	Combination	Max	0.03	0.40	0.10	PAR SUPERIOR	0.0180	1.60	o.k	0.00	o.k	177.00	o.k	33.42	o.k	0.11	0.11	o.k	0.00	o.k
268	2.84	0.32	ENVDIS	Combination	Max	0.03	0.40	0.00	PAR SUPERIOR	0.0180	1.55	o.k	0.00	o.k	2.52	o.k	33.72	o.k	0.00	0.00	o.k	0.00	o.k
268	3.16	0.00	ENVDIS	Combination	Max	0.03	0.41	0.01	PAR SUPERIOR	0.0180	1.50	o.k	0.00	o.k	10.44	o.k	34.03	o.k	0.01	0.01	o.k	0.00	o.k
268	0.00	0.00	ENVDIS	Combination	Min	-0.12	-0.15	-0.06	PAR SUPERIOR	0.0180	-	-	6.52	o.k	108.56	o.k	12.41	o.k	-	-	o.k	0.07	o.k
268	0.32	0.32	ENVDIS	Combination	Min	-0.12	-0.15	-0.01	PAR SUPERIOR	0.0180	-	-	6.59	o.k	20.59	o.k	12.10	o.k	-	-	o.k	0.01	o.k
268	0.63	0.32	ENVDIS	Combination	Min	-0.12	-0.14	0.00	PAR SUPERIOR	0.0180	-	-	6.68	o.k	1.94	o.k	11.79	o.k	-	-	o.k	0.00	o.k
268	0.79	0.16	ENVDIS	Combination	Min	-0.12	-0.14	0.00	PAR SUPERIOR	0.0180	-	-	6.72	o.k	3.87	o.k	11.63	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
268	0.79	0.00	ENVDIS	Combination	Min	-0.30	-0.02	0.00	PAR SUPERIOR	0.0180	-	-	16.66	o.k	5.11	o.k	1.47	o.k	-	-	o.k	0.00	o.k
268	0.95	0.16	ENVDIS	Combination	Min	-0.30	-0.02	0.00	PAR SUPERIOR	0.0180	-	-	16.71	o.k	0.12	o.k	1.37	o.k	-	-	o.k	0.00	o.k
268	1.12	0.17	ENVDIS	Combination	Min	-0.30	-0.02	-0.05	PAR SUPERIOR	0.0180	-	-	16.74	o.k	97.22	o.k	1.27	o.k	-	-	o.k	0.06	o.k
268	1.12	0.00	ENVDIS	Combination	Min	-0.73	-0.55	-0.12	PAR SUPERIOR	0.0180	-	-	40.47	o.k	226.19	o.k	44.24	o.k	-	-	o.k	0.15	o.k
268	1.26	0.15	ENVDIS	Combination	Min	-0.73	-0.55	-0.04	PAR SUPERIOR	0.0180	-	-	40.51	o.k	82.85	o.k	44.10	o.k	-	-	o.k	0.05	o.k
268	1.58	0.32	ENVDIS	Combination	Min	-0.73	-0.55	-0.01	PAR SUPERIOR	0.0180	-	-	40.58	o.k	10.65	o.k	43.79	o.k	-	-	o.k	0.01	o.k
268	1.58	0.00	ENVDIS	Combination	Min	-0.91	-0.07	-0.05	PAR SUPERIOR	0.0180	-	-	50.53	o.k	47.28	o.k	5.65	o.k	-	-	o.k	0.03	o.k
268	1.89	0.32	ENVDIS	Combination	Min	-0.91	-0.06	0.00	PAR SUPERIOR	0.0180	-	-	50.61	o.k	8.74	o.k	5.34	o.k	-	-	o.k	0.01	o.k
268	2.21	0.32	ENVDIS	Combination	Min	-0.91	-0.06	0.00	PAR SUPERIOR	0.0180	-	-	50.69	o.k	1.78	o.k	5.05	o.k	-	-	o.k	0.00	o.k
268	2.57	0.36	ENVDIS	Combination	Min	-0.91	-0.06	0.00	PAR SUPERIOR	0.0180	-	-	50.75	o.k	5.61	o.k	4.87	o.k	-	-	o.k	0.00	o.k
268	2.57	0.00	ENVDIS	Combination	Min	-1.09	-0.02	-0.01	PAR SUPERIOR	0.0180	-	-	60.68	o.k	11.80	o.k	1.50	o.k	-	-	o.k	0.01	o.k
268	2.53	0.36	ENVDIS	Combination	Min	-1.09	-0.02	0.00	PAR SUPERIOR	0.0180	-	-	60.72	o.k	6.70	o.k	1.41	o.k	-	-	o.k	0.01	o.k
268	2.84	0.32	ENVDIS	Combination	Min	-1.09	-0.01	-0.09	PAR SUPERIOR	0.0180	-	-	60.80	o.k	58.52	o.k	1.22	o.k	-	-	o.k	0.04	o.k
268	3.16	0.00	ENVDIS	Combination	Min	-1.10	-0.01	-0.18	PAR SUPERIOR	0.0180	-	-	60.88	o.k	296.20	o.k	1.05	o.k	-	-	o.k	0.22	o.k

CUBIERTA MADERA - CRUJIA 5

EVALUACION DE DEFORMACIONES





Luz Libre 8.21 m
Deformacion Admisible
2.74 cm CUMPLE
Deforamcion cercha
0.13 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 1- CRUJIA 5

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

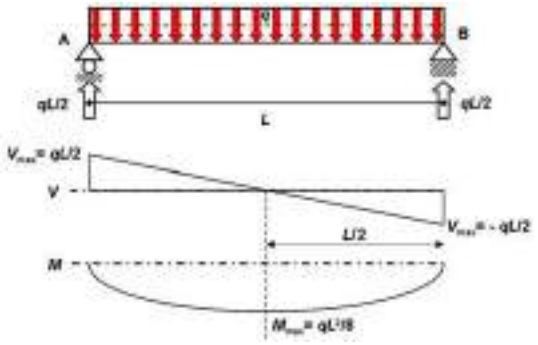
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 3.25 m L Afe= 0.75 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 7.00 Kg/m
δ_{ADM}= 1.1 cm **h=** 10.00 cm **I=** 833.33 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 37.50 Kg/m
CM= 78.25 Kg/m
W= 54.95 Kg/m



q_U =	**147.58 Kg/m**
$V_{MÀX}$=	**239.68 Kg**
$M_{MÀX}$=	**194.62 Kg*m**

III. *FLEXIÓN.*

M Nominal $F'_b \frac{bd^2}{6}$

M Nominal **260.03 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *3.60 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *2.52 cm* > δ Admisible, No Cumple
δ Admisible L/300= 1.1 cm

NOTA:

4.11.10.2 Tipo 2

CUBIERTA CRUJIA 5

Corresponde al analisis de la crujia 5 cerchas CH7 a CH9, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

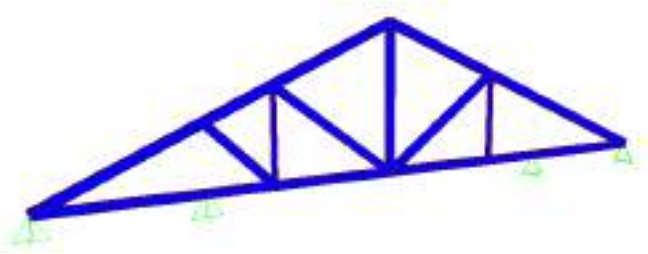
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	0.98	93.10	49.00	**49.00**	**71.79**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.75	162.93	85.75	**85.75**	**125.64**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		

Table: Combination Definitions, Part 3 of 3			
ComboName	CaseName	GUID	Notes
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
1	Rectangular	N.A.	TIR 18X11	N.A.	Default
2	Rectangular	N.A.	TIR 18X11	N.A.	Default
3	Rectangular	N.A.	TIR 18X11	N.A.	Default
6	Rectangular	N.A.	PEN 18X11	N.A.	Default
7	Rectangular	N.A.	PUNT 0.09	N.A.	Default
8	Rectangular	N.A.	PUNT 0.09	N.A.	Default
10	Rectangular	N.A.	TORN 18X11	N.A.	Default
11	Rectangular	N.A.	TORN 18X11	N.A.	Default
12	Rectangular	N.A.	PAR 20X11	N.A.	Default
20	Rectangular	N.A.	PAR 20X11	N.A.	Default
28	Rectangular	N.A.	TORN 18X11	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	Material	Shape	t3	t2	tf	tw
			m	m	m	m
PAR 20X11	M-ES2	Rectangular	0.2	0.11		
PEN 18X11	M-ES2	Rectangular	0.18	0.11		
PUNT 0.09	M-ES2	Rectangular	0.09	0.09		
TIR 18X11	M-ES2	Rectangular	0.18	0.11		
TORN 18X11	M-ES2	Rectangular	0.18	0.11		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	Area	TorsConst	I33	I22	I23	AS2	AS3
	m2	m4	m4	m4	m4	m2	m2
PAR 20X11	0.022	0.000058	0.000073	0.000022	0.	0.018333	0.018333
PEN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PUNT 0.09	0.0081	9.240E-06	5.468E-06	5.468E-06	0.	0.00675	0.00675
TIR 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
TORN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
PAR 20X11	0.000733	0.000403	0.0011	0.000605	0.057735	0.031754	
PEN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PUNT 0.09	0.000122	0.000122	0.000182	0.000182	0.025981	0.025981	
TIR 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
TORN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
PAR 20X11	No	No	Cyan	235.24	23.99	No	1.
PEN 18X11	No	No	White	44.49	4.54	No	1.
PUNT 0.09	No	No	Cyan	22.79	2.32	No	1.
TIR 18X11	No	No	Magenta	192.1	19.59	No	1.
TORN 18X11	No	No	Blue	118.23	12.06	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
PAR 20X11	1.	1.	1.	1.	1.	1.	1.
PEN 18X11	1.	1.	1.	1.	1.	1.	1.
PUNT 0.09	1.	1.	1.	1.	1.	1.	1.
TIR 18X11	1.	1.	1.	1.	1.	1.	1.
TORN 18X11	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
PAR 20X11			
PEN 18X11			
PUNT 0.09			

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	SectInFile	FileName	GUID
TIR 18X11			
TORN 18X11			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	Notes
PAR 20X11	Added 01/06/2017 00:06:46
PEN 18X11	Added 01/06/2017 00:08:01
PUNT 0.09	Added 01/06/2017 00:08:43
TIR 18X11	Added 01/06/2017 00:07:12
TORN 18X11	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	AxisDir	GridID	XRYZCoord	LineType	LineColor	Visible	BubbleLoc
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		3.11	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.49	Primary	Gray8Dark	Yes	End
GLOBAL	X		7.09	Primary	Gray8Dark	Yes	End
GLOBAL	X		9.67	Primary	Gray8Dark	Yes	End
GLOBAL	X		10.93	Primary	Gray8Dark	Yes	End
GLOBAL	X		13.86	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.37	Primary	Gray8Dark	Yes	End
GLOBAL	Z		2.02	Primary	Gray8Dark	Yes	End
GLOBAL	Z		3.21	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	AllVisible	BubbleSize
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	D	GLOBAL	0.	0.	-162.93	0.	0.
1	Lr	GLOBAL	0.	0.	-85.75	0.	0.
1	G	GLOBAL	0.	0.	-85.75	0.	0.
1	W	GLOBAL	0.	0.	-125.64	0.	0.
4	D	GLOBAL	0.	0.	-162.93	0.	0.
4	Lr	GLOBAL	0.	0.	-85.75	0.	0.
4	G	GLOBAL	0.	0.	-85.75	0.	0.
4	W	GLOBAL	0.	0.	-125.64	0.	0.
5	D	GLOBAL	0.	0.	-162.93	0.	0.
5	Lr	GLOBAL	0.	0.	-85.75	0.	0.
5	G	GLOBAL	0.	0.	-85.75	0.	0.
5	W	GLOBAL	0.	0.	-125.64	0.	0.
16	D	GLOBAL	0.	0.	-162.93	0.	0.
16	Lr	GLOBAL	0.	0.	-85.75	0.	0.
16	G	GLOBAL	0.	0.	-85.75	0.	0.
16	W	GLOBAL	0.	0.	-125.64	0.	0.
17	D	GLOBAL	0.	0.	-162.93	0.	0.
17	Lr	GLOBAL	0.	0.	-85.75	0.	0.
17	G	GLOBAL	0.	0.	-85.75	0.	0.
17	W	GLOBAL	0.	0.	-125.64	0.	0.
18	D	GLOBAL	0.	0.	-162.93	0.	0.
18	Lr	GLOBAL	0.	0.	-85.75	0.	0.
18	G	GLOBAL	0.	0.	-85.75	0.	0.
18	W	GLOBAL	0.	0.	-125.64	0.	0.
19	D	GLOBAL	0.	0.	-162.93	0.	0.
19	Lr	GLOBAL	0.	0.	-85.75	0.	0.
19	G	GLOBAL	0.	0.	-85.75	0.	0.
19	W	GLOBAL	0.	0.	-125.64	0.	0.
20	D	GLOBAL	0.	0.	-162.93	0.	0.
20	Lr	GLOBAL	0.	0.	-85.75	0.	0.
20	G	GLOBAL	0.	0.	-85.75	0.	0.
20	W	GLOBAL	0.	0.	-125.64	0.	0.
21	D	GLOBAL	0.	0.	-162.93	0.	0.
21	Lr	GLOBAL	0.	0.	-85.75	0.	0.
21	G	GLOBAL	0.	0.	-85.75	0.	0.
21	W	GLOBAL	0.	0.	-125.64	0.	0.
22	D	GLOBAL	0.	0.	-162.93	0.	0.

Table: Joint Loads - Force, Part 1 of 2							
Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
22	Lr	GLOBAL	0.	0.	-85.75	0.	0.
22	G	GLOBAL	0.	0.	-85.75	0.	0.
22	W	GLOBAL	0.	0.	-125.64	0.	0.
23	D	GLOBAL	0.	0.	-162.93	0.	0.
23	Lr	GLOBAL	0.	0.	-85.75	0.	0.
23	G	GLOBAL	0.	0.	-85.75	0.	0.
23	W	GLOBAL	0.	0.	-125.64	0.	0.
24	D	GLOBAL	0.	0.	-162.93	0.	0.
24	Lr	GLOBAL	0.	0.	-85.75	0.	0.
24	G	GLOBAL	0.	0.	-85.75	0.	0.
24	W	GLOBAL	0.	0.	-125.64	0.	0.
25	D	GLOBAL	0.	0.	-162.93	0.	0.
25	Lr	GLOBAL	0.	0.	-85.75	0.	0.
25	G	GLOBAL	0.	0.	-85.75	0.	0.
25	W	GLOBAL	0.	0.	-125.64	0.	0.
26	D	GLOBAL	0.	0.	-162.93	0.	0.
26	Lr	GLOBAL	0.	0.	-85.75	0.	0.
26	G	GLOBAL	0.	0.	-85.75	0.	0.
26	W	GLOBAL	0.	0.	-125.64	0.	0.
27	D	GLOBAL	0.	0.	-162.93	0.	0.
27	Lr	GLOBAL	0.	0.	-85.75	0.	0.
27	G	GLOBAL	0.	0.	-85.75	0.	0.
27	W	GLOBAL	0.	0.	-125.64	0.	0.
28	D	GLOBAL	0.	0.	-162.93	0.	0.
28	Lr	GLOBAL	0.	0.	-85.75	0.	0.
28	G	GLOBAL	0.	0.	-85.75	0.	0.
28	W	GLOBAL	0.	0.	-125.64	0.	0.
29	D	GLOBAL	0.	0.	-162.93	0.	0.
29	Lr	GLOBAL	0.	0.	-85.75	0.	0.
29	G	GLOBAL	0.	0.	-85.75	0.	0.
29	W	GLOBAL	0.	0.	-125.64	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	LoadPat	M3	GUID
		Kgf-m	
1	D	0.	0b375026-3b94-44d5-b2d4-796b1ded848f
1	Lr	0.	55c19df2-17b6-4f36-9ad4-3dc13dcdf545
1	G	0.	0d0a917e-2e41-4a97-9d50-5313c102f06c
1	W	0.	ded08812-1c1d-4297-aee4-5888ea64c951
4	D	0.	43ae07ef-fe93-4a09-b1e3-fd3195ae177c
4	Lr	0.	0c3a3819-27c6-4637-82d3-1fa794ca861e

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
4	G	0.	2a388972-6b7e-486b-ac9d-b70df901e310
4	W	0.	6df933e7-dc74-48e8-a5a1-078056ee3eaf
5	D	0.	131892df-f505-4152-be7a-c9213181048d
5	Lr	0.	742077b3-1187-4f55-989a-60183d034b71
5	G	0.	69ae939e-8956-4aad-8032-2ad5a74f7d8b
5	W	0.	8c1c5a1b-2edb-4af3-8139-a7d2c5dfed76
16	D	0.	40be4b45-2cb4-4edb-8fad-4bfec8849892
16	Lr	0.	85d1501d-1a6e-4391-8f6f-18020087261d
16	G	0.	ab99429e-2064-4f03-98fb-0df54202a69a
16	W	0.	cc3993c4-baf6-4d6c-b226-fce3611feb87
17	D	0.	bdac3125-235c-4f24-a7b6-f211db220fa7
17	Lr	0.	1b1a03d6-a04c-413d-bb44-97ab2f08e6b6
17	G	0.	4d4eaea0-5b67-4416-81ca-f7e589b26754
17	W	0.	14db60c0-8ec8-447d-9d05-d2ac3d55989b
18	D	0.	a2e680c3-0fb9-4395-b5a1-911801c9f801
18	Lr	0.	f56e22a4-4272-4864-b236-09a7842d6669
18	G	0.	9c7aa635-5ca7-4e58-b12f-a6f916bd730e
18	W	0.	3cb42054-7db2-421f-b494-d1323f1ecbc6
19	D	0.	338b1aa3-11ca-46a0-8106-fd0d0491a695
19	Lr	0.	6d63ace5-51d3-4dfc-9c65-e1d355dda8a4
19	G	0.	132423f1-d71c-4128-8c3a-2fef8ff43331
19	W	0.	3c1a83f4-e684-4a47-baf8-fa4bf48d41e1
20	D	0.	3fe6ea86-1283-4d3c-abaa-d5af0be8a2c1
20	Lr	0.	9a59581c-eec1-46fe-a6ef-b3045d383899
20	G	0.	b8384381-21bc-4c62-96c2-f61a46d1b8c6
20	W	0.	b0d804ad-6c43-40bd-bd80-c587268f4cba
21	D	0.	7816708b-27a9-4b65-a40b-426581904a82

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
21	Lr	0.	8e229ff6-814f-4c89-8dc1-8235359de3d8
21	G	0.	960cf1a7-6f9c-4fb8-aac6-d92e7e522e4d
21	W	0.	4c5abd1e-06ed-4b61-90ed-b7160d8c8606
22	D	0.	19606dee-73b8-43fd-bd51-d268e0db77e5
22	Lr	0.	aea7c430-1fb2-44b2-9e0d-becffa8c2db1
22	G	0.	745c8668-5575-41e1-b450-7254ad8a09b8
22	W	0.	cf7d496e-4327-4a79-851b-d569fd8d82e4
23	D	0.	903a8efd-98db-4da8-a501-44a050dd3ec2
23	Lr	0.	b446b2a7-8812-4db2-86b0-61c6a3d5943d
23	G	0.	d12a6652-b43b-41e0-a1d1-9665e7a92c8b
23	W	0.	b59363f9-f840-4327-9c05-abf807a9155b
24	D	0.	8440fae0-365c-4e1a-808b-b16ee6461d6e
24	Lr	0.	27b4e85c-2183-4fe4-b563-9ae17fe003d0
24	G	0.	705c41d0-822c-4832-86d9-6f079cdd003b
24	W	0.	2926f626-44fb-4ed2-ba88-50510b79f41a
25	D	0.	8932b780-1b84-4196-9f64-6d188dc9d2f3
25	Lr	0.	cd4aee68-26ad-4762-aeee-d0468ca13ed3
25	G	0.	c4fddcbd-5cb9-46fc-b440-22b6009ac39a
25	W	0.	d52196b8-f4ef-478b-8911-22ba5989f007
26	D	0.	60fce330-7c78-45ab-bd0d-0c6ec512f232
26	Lr	0.	a9b09c3b-d41e-4dc3-b05c-42d86b2398a6
26	G	0.	76382f0b-7d01-44cb-af8a-225be0d5f702
26	W	0.	3db3255f-d539-46d6-8af8-99e7a422bc24
27	D	0.	a8a72bcd-6c5e-4d05-bb8b-5d4ed52b0532
27	Lr	0.	4e22b26b-6cba-44e4-9245-50016de5d18f
27	G	0.	6c32c9be-b828-4dcc-9461-bba3e96e8c66
27	W	0.	3684f8d1-9b3d-4306-a467-31cc398c03a9

Table: Joint Loads - Force, Part 2 of 2			
Joint	LoadPat	M3	GUID
		Kgf-m	
28	D	0.	f02015af-0d79-4162-91ec-c10def451a3d
28	Lr	0.	882f088b-fda6-4c06-958d-e40bfecf9193
28	G	0.	952431d6-fc2b-4d5c-a9d3-1f6aeec2056a
28	W	0.	faf5ceb2-b4b1-48a6-99d8-b2753168a70e
29	D	0.	8446ff24-c8fe-4c4d-9f55-17c40ed421e9
29	Lr	0.	8b0055cc-b92c-48f1-9d3b-ed51b01060a4
29	G	0.	7a1855cc-065b-4a0e-a16f-feefeb1c1877
29	W	0.	8d315234-7bb8-4c08-9be2-a8ec54e3ff33

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	DesActOpt	DesignAct	AutoType	RunCase	CaseStatus	GUID
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

Table: Material Properties 01 - General, Part 1 of 2

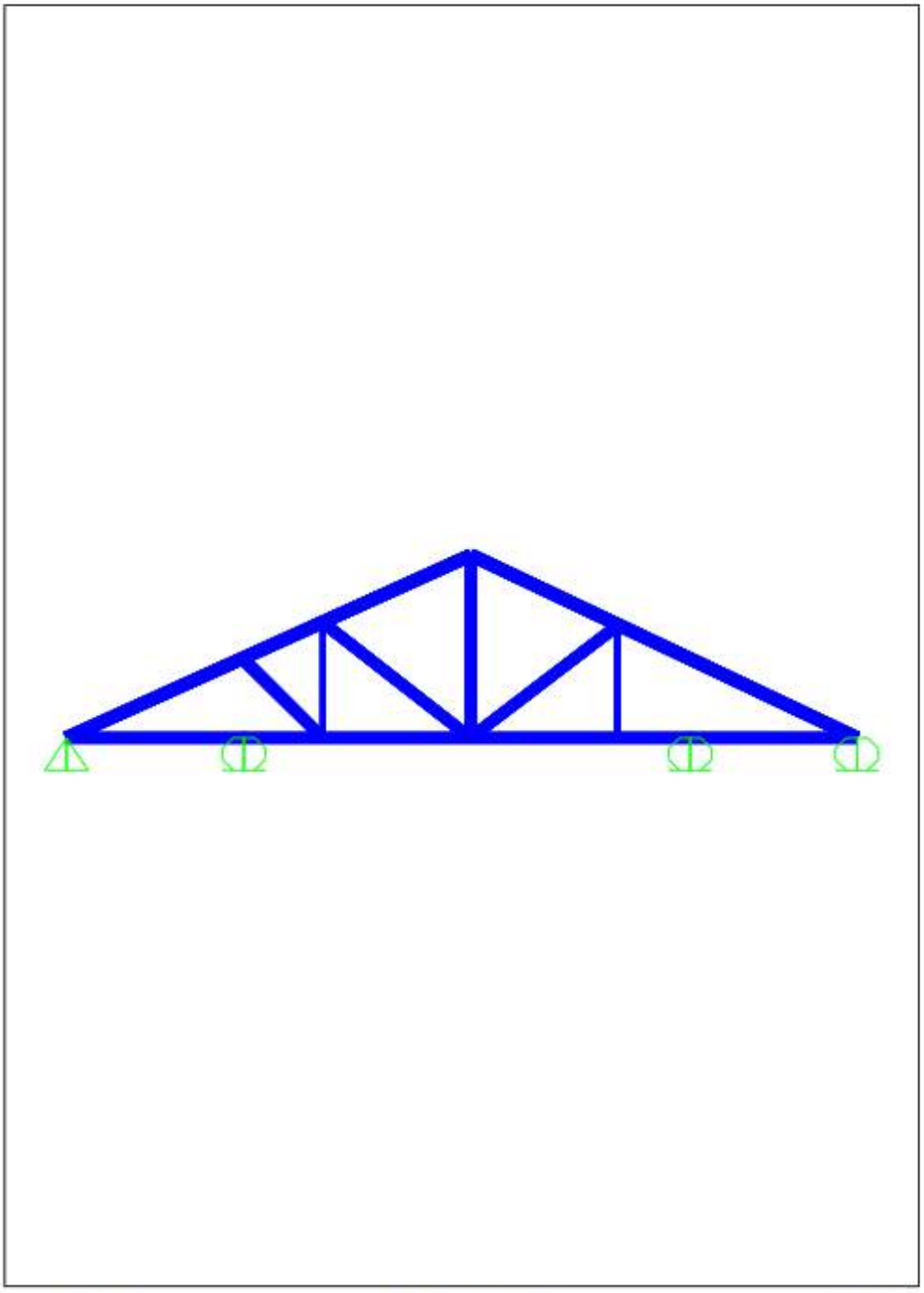
Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.

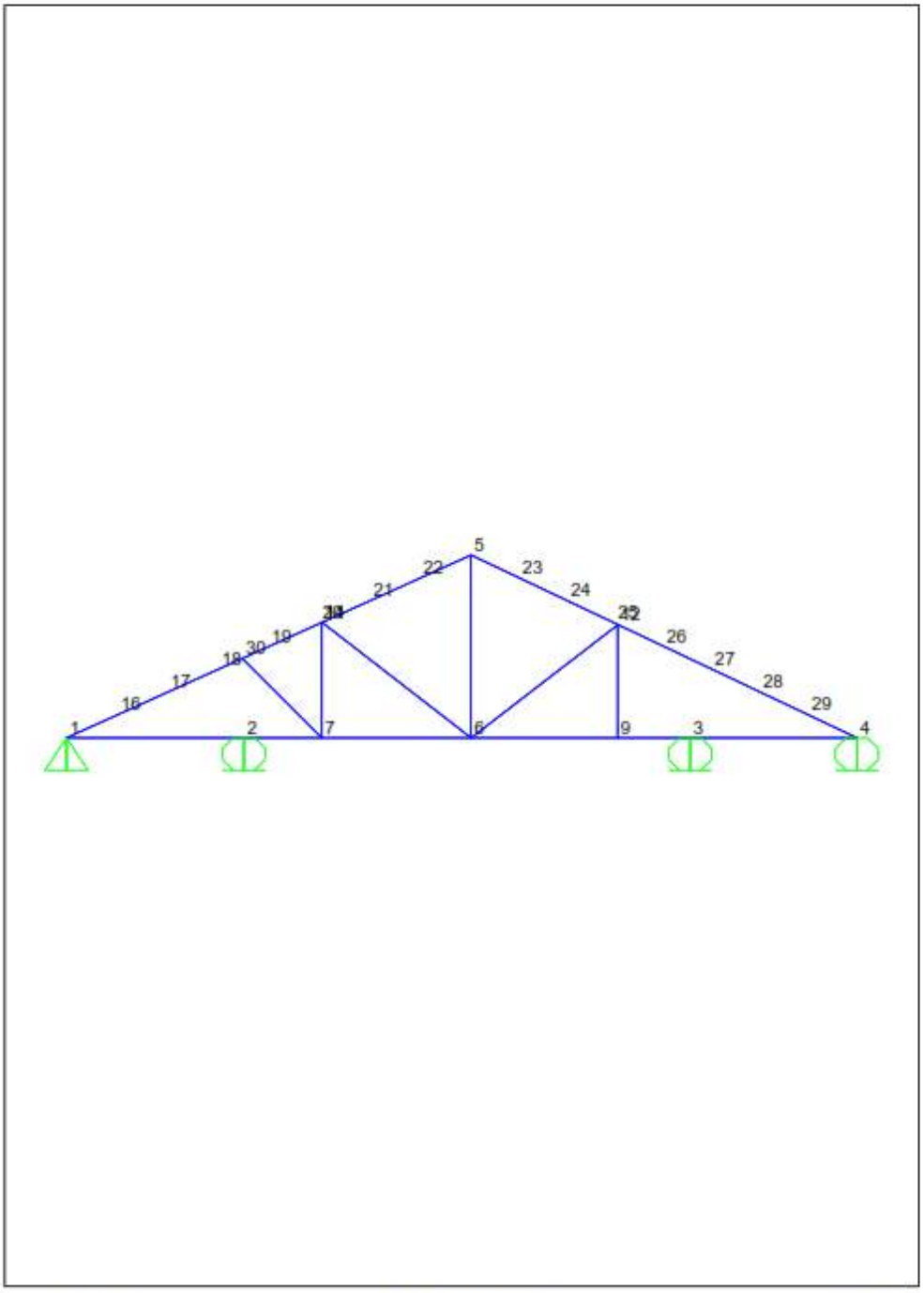
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 2.sdb



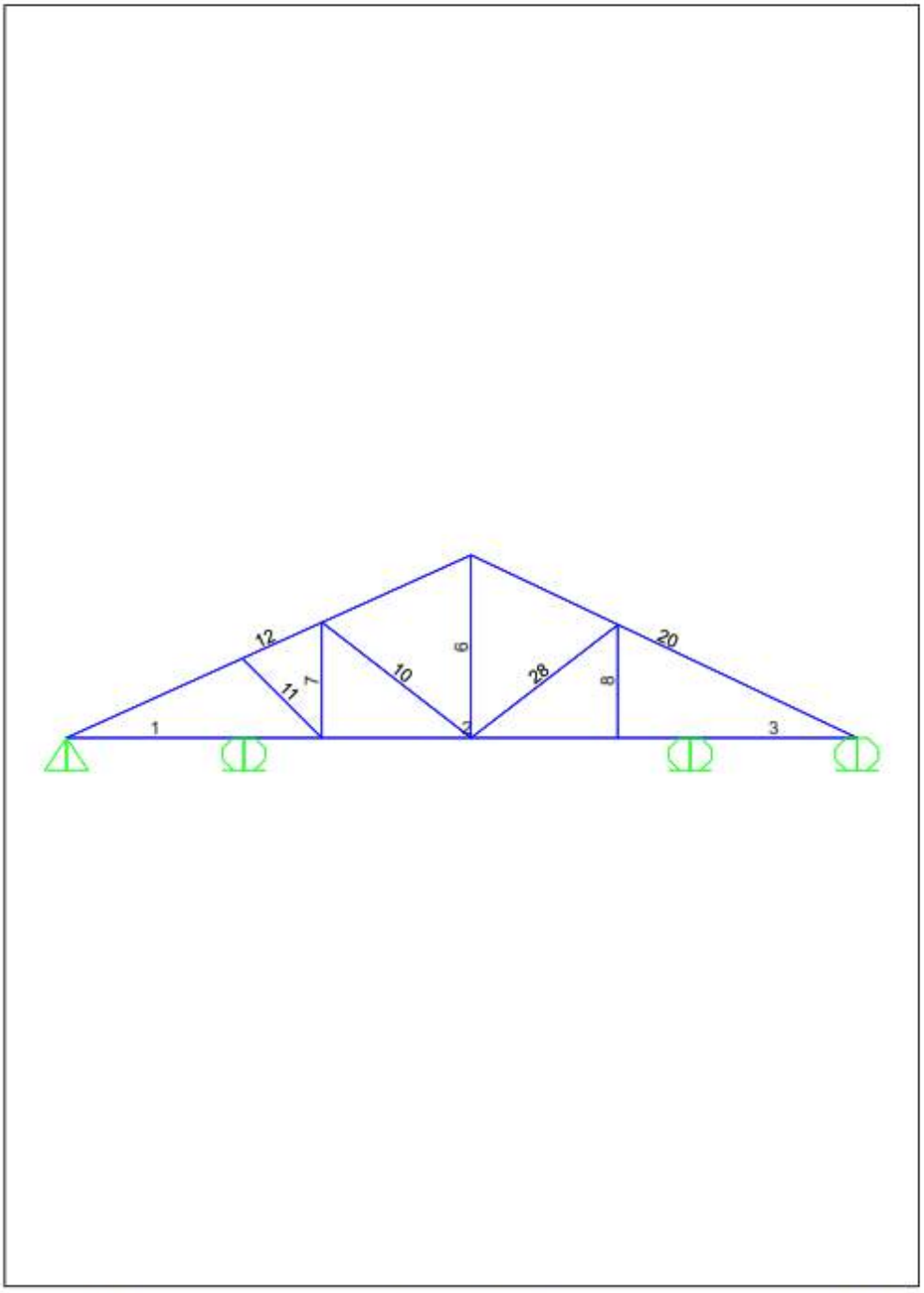
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 2.sdb



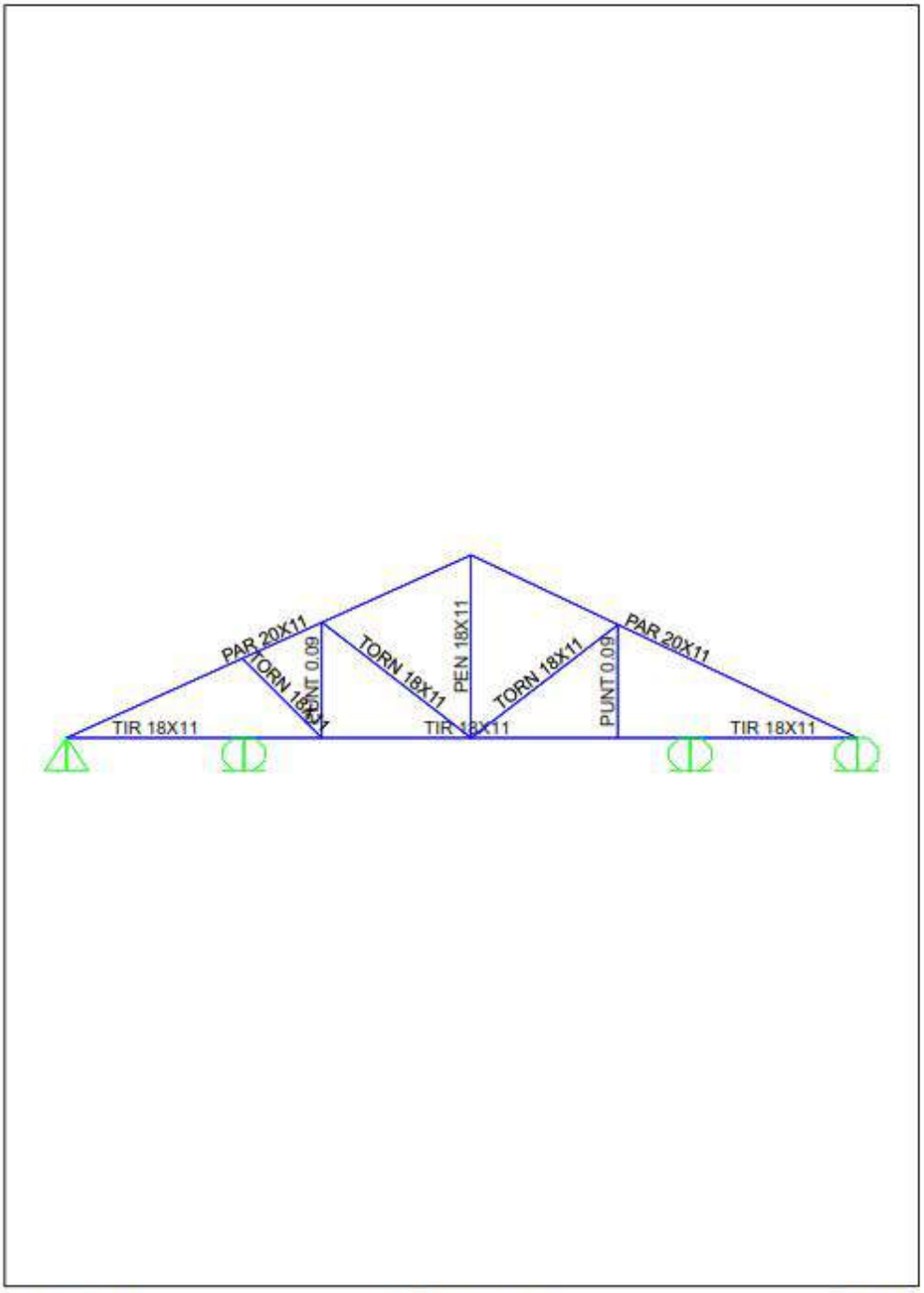
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 2.sdb



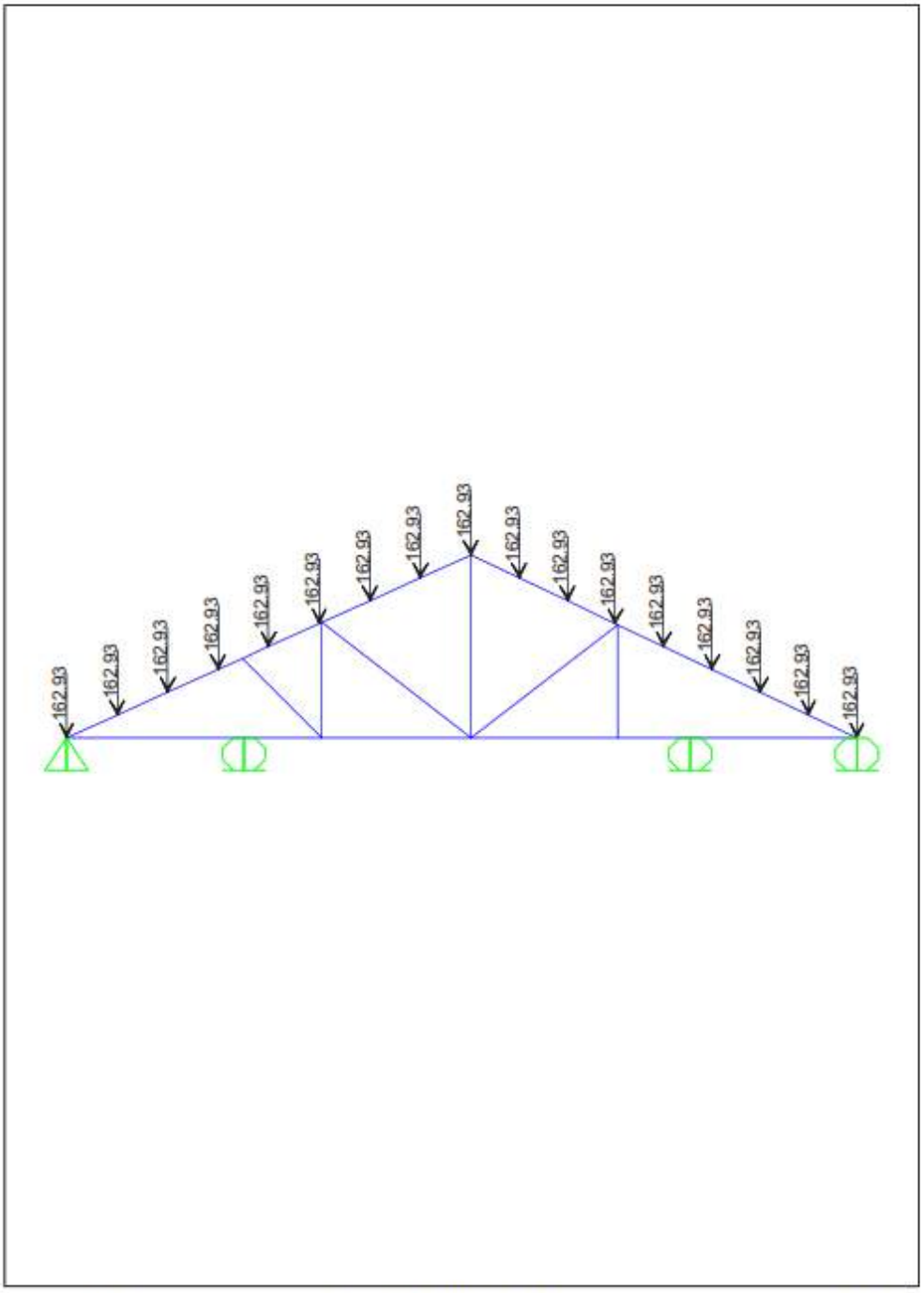
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA TIPO 2.sdb



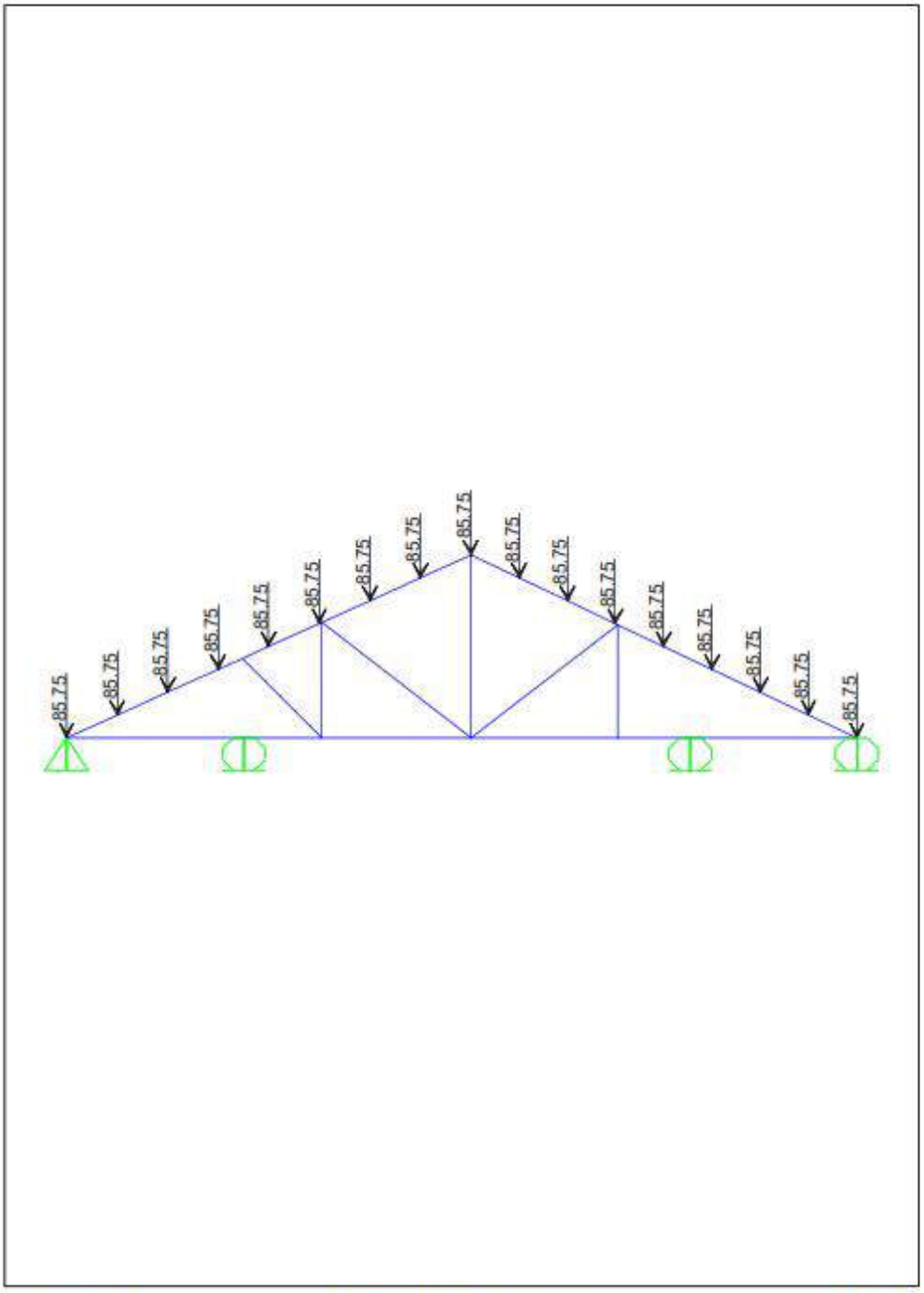
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

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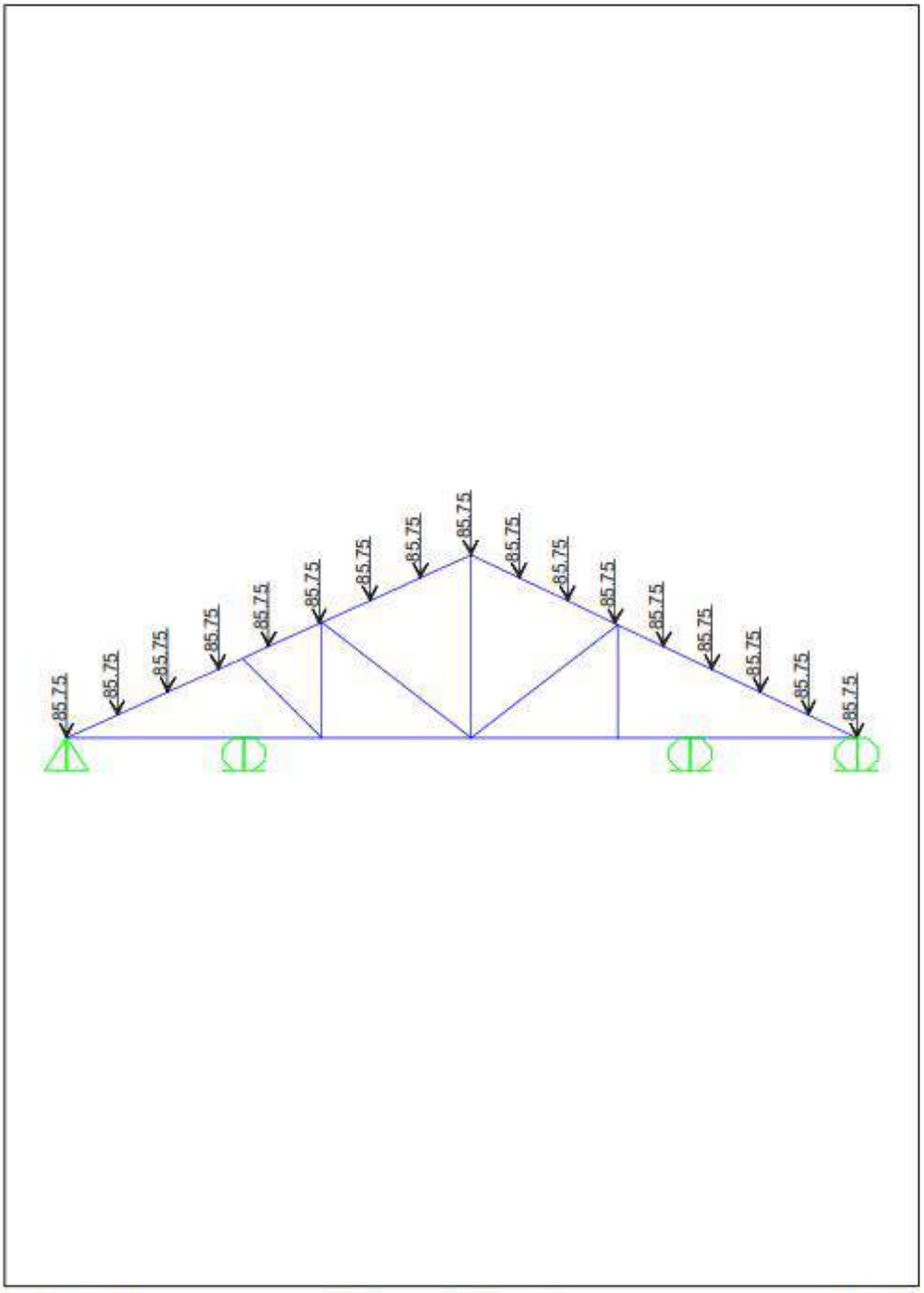
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 2.sdb



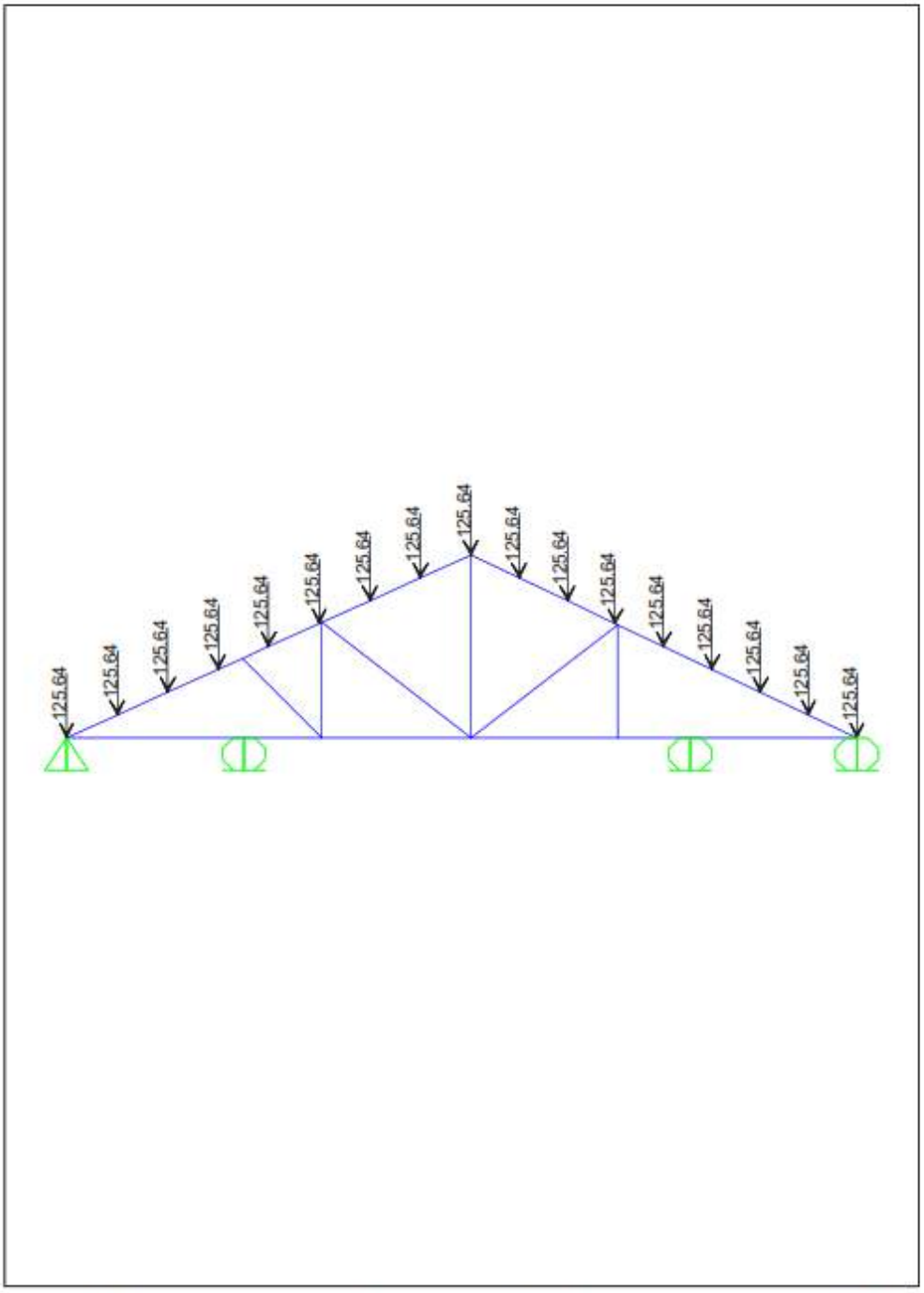
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

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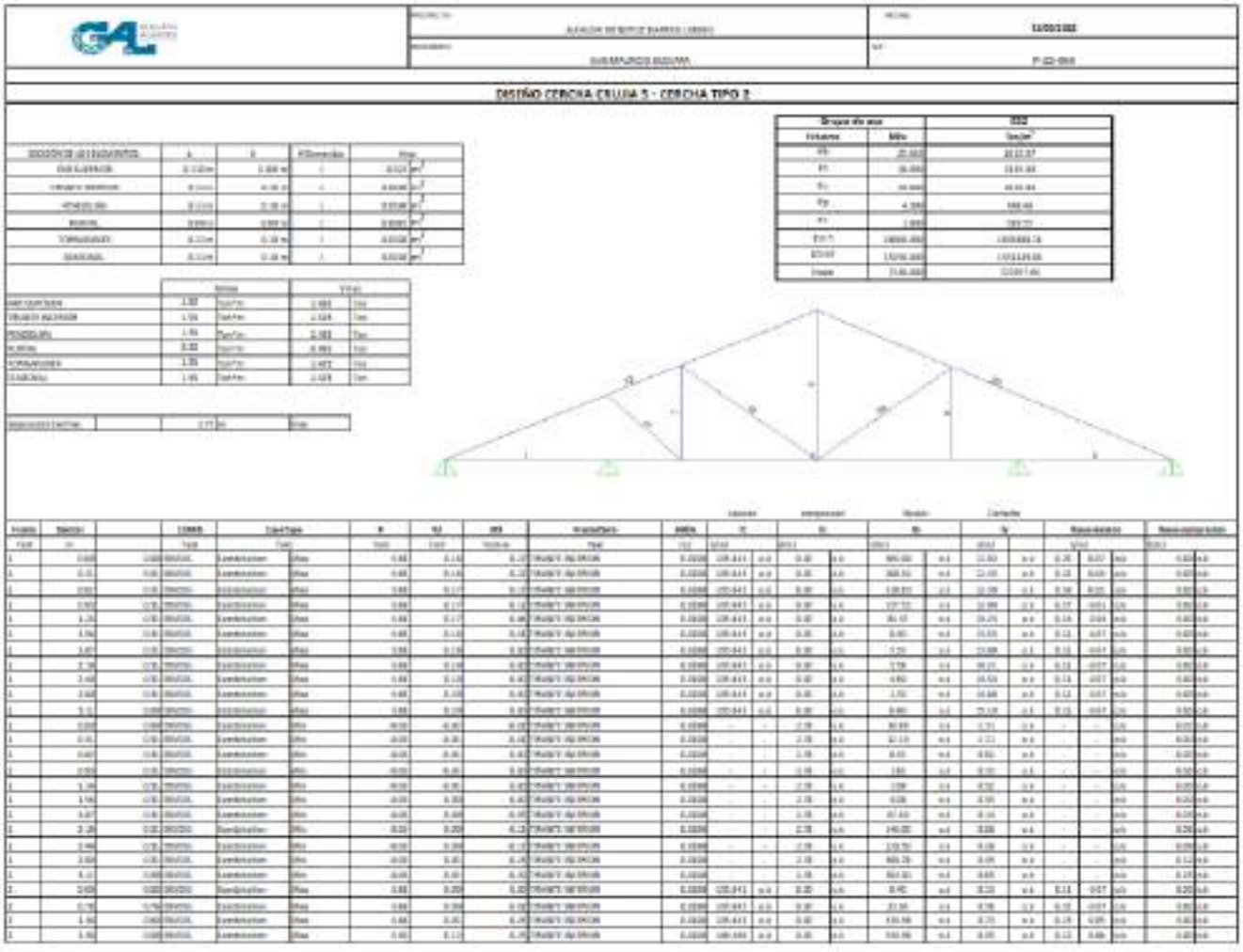
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 2.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elementos Grupo ES2



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	1.56	0.18	ENVOIS	Combination	Max	5.30	0.15	0.22	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	302.73	o.k	9.85	o.k	0.21	0.05	o.k	0.00	o.k
2	2.35	0.76	ENVOIS	Combination	Max	5.30	0.14	0.12	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	161.15	o.k	10.47	o.k	0.15	0.00	o.k	0.00	o.k
2	3.15	0.78	ENVOIS	Combination	Max	5.30	0.15	0.01	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	8.00	o.k	11.29	o.k	0.09	-0.06	o.k	0.00	o.k
2	3.91	0.78	ENVOIS	Combination	Max	5.30	0.16	0.00	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	4.40	o.k	12.11	o.k	0.09	-0.06	o.k	0.00	o.k
2	3.98	0.07	ENVOIS	Combination	Max	5.30	0.16	0.00	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	5.35	o.k	12.18	o.k	0.09	-0.06	o.k	0.00	o.k
2	3.98	0.00	ENVOIS	Combination	Max	5.32	-0.01	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.35	o.k	0.74	o.k	0.09	-0.06	o.k	0.00	o.k
2	4.69	0.71	ENVOIS	Combination	Max	5.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	1.27	o.k	0.30	o.k	0.09	-0.06	o.k	0.00	o.k
2	5.47	0.78	ENVOIS	Combination	Max	5.32	0.00	0.10	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	140.10	o.k	0.20	o.k	0.14	-0.01	o.k	0.00	o.k
2	6.26	0.78	ENVOIS	Combination	Max	5.32	0.01	0.21	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	286.62	o.k	0.70	o.k	0.20	0.05	o.k	0.00	o.k
2	6.56	0.30	ENVOIS	Combination	Max	5.32	0.01	0.25	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	340.47	o.k	0.89	o.k	0.22	0.07	o.k	0.00	o.k
2	6.56	0.00	ENVOIS	Combination	Max	5.32	0.47	0.25	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	340.47	o.k	35.67	o.k	0.22	0.07	o.k	0.00	o.k
2	7.04	0.48	ENVOIS	Combination	Max	5.32	0.48	0.02	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	31.42	o.k	36.17	o.k	0.10	-0.05	o.k	0.00	o.k
2	7.82	0.00	ENVOIS	Combination	Max	5.32	0.49	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.65	o.k	36.99	o.k	0.09	-0.06	o.k	0.00	o.k
2	0.00	0.00	ENVOIS	Combination	Min	-0.06	-0.40	-0.29	TIRANTE INFERIOR	0.0198	-	-	2.78	o.k	392.90	o.k	50.00	o.k	-	-	o.k	0.15	o.k
2	0.78	0.78	ENVOIS	Combination	Min	-0.06	-0.39	0.00	TIRANTE INFERIOR	0.0198	-	-	2.78	o.k	2.02	o.k	29.18	o.k	-	-	o.k	0.00	o.k
2	1.38	0.60	ENVOIS	Combination	Min	-0.06	-0.58	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.78	o.k	7.94	o.k	28.55	o.k	-	-	o.k	0.00	o.k
2	1.38	0.00	ENVOIS	Combination	Min	-0.03	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	7.94	o.k	0.87	o.k	-	-	o.k	0.00	o.k
2	1.56	0.18	ENVOIS	Combination	Min	-0.03	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	5.24	o.k	0.76	o.k	-	-	o.k	0.00	o.k
2	2.35	0.78	ENVOIS	Combination	Min	-0.03	0.00	0.00	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	1.98	o.k	0.27	o.k	-	-	o.k	0.00	o.k
2	3.15	0.78	ENVOIS	Combination	Min	-0.03	0.00	0.00	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	2.25	o.k	0.23	o.k	-	-	o.k	0.00	o.k
2	3.91	0.78	ENVOIS	Combination	Min	-0.03	0.01	-0.11	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	156.68	o.k	0.72	o.k	-	-	o.k	0.06	o.k
2	3.98	0.07	ENVOIS	Combination	Min	-0.03	0.01	-0.13	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	172.00	o.k	0.77	o.k	-	-	o.k	0.07	o.k
2	3.98	0.00	ENVOIS	Combination	Min	-0.04	-0.16	-0.13	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	172.00	o.k	12.59	o.k	-	-	o.k	0.07	o.k
2	4.69	0.71	ENVOIS	Combination	Min	-0.04	-0.15	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	18.00	o.k	11.64	o.k	-	-	o.k	0.01	o.k
2	5.47	0.78	ENVOIS	Combination	Min	-0.04	-0.14	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	1.91	o.k	10.82	o.k	-	-	o.k	0.00	o.k
2	6.26	0.78	ENVOIS	Combination	Min	-0.04	-0.15	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	4.39	o.k	10.00	o.k	-	-	o.k	0.00	o.k
2	6.56	0.30	ENVOIS	Combination	Min	-0.04	-0.15	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	8.71	o.k	9.88	o.k	-	-	o.k	0.00	o.k
2	6.56	0.00	ENVOIS	Combination	Min	-0.04	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	8.71	o.k	1.03	o.k	-	-	o.k	0.00	o.k
2	7.04	0.48	ENVOIS	Combination	Min	-0.04	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	1.15	o.k	0.73	o.k	-	-	o.k	0.00	o.k
2	7.82	0.00	ENVOIS	Combination	Min	-0.04	0.00	-0.35	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	483.50	o.k	0.23	o.k	-	-	o.k	0.19	o.k
3	0.00	0.00	ENVOIS	Combination	Max	5.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.65	o.k	0.20	o.k	0.09	-0.06	o.k	0.00	o.k
3	0.29	0.29	ENVOIS	Combination	Max	5.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	6.25	o.k	0.02	o.k	0.09	-0.06	o.k	0.00	o.k
3	0.59	0.29	ENVOIS	Combination	Max	5.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.86	o.k	0.17	o.k	0.09	-0.06	o.k	0.00	o.k
3	0.88	0.29	ENVOIS	Combination	Max	5.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	4.51	o.k	0.35	o.k	0.09	-0.06	o.k	0.00	o.k
3	1.17	0.29	ENVOIS	Combination	Max	5.32	0.01	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	2.18	o.k	0.53	o.k	0.09	-0.06	o.k	0.00	o.k
3	1.47	0.29	ENVOIS	Combination	Max	5.32	0.01	0.06	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	77.05	o.k	0.72	o.k	0.12	-0.03	o.k	0.00	o.k
3	1.76	0.29	ENVOIS	Combination	Max	5.32	0.01	0.14	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	184.28	o.k	0.90	o.k	0.16	0.01	o.k	0.00	o.k
3	2.05	0.29	ENVOIS	Combination	Max	5.32	0.01	0.21	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	289.91	o.k	1.09	o.k	0.20	0.05	o.k	0.00	o.k
3	2.34	0.29	ENVOIS	Combination	Max	5.32	0.02	0.29	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	393.90	o.k	1.27	o.k	0.24	0.09	o.k	0.00	o.k
3	2.64	0.29	ENVOIS	Combination	Max	5.32	0.02	0.36	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	496.27	o.k	1.45	o.k	0.28	0.13	o.k	0.00	o.k
3	2.95	0.00	ENVOIS	Combination	Max	5.32	0.02	0.44	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	597.03	o.k	1.64	o.k	0.32	0.16	o.k	0.00	o.k
3	0.00	0.00	ENVOIS	Combination	Min	-0.04	-0.29	-0.35	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	483.50	o.k	22.02	o.k	-	-	o.k	0.18	o.k
3	0.29	0.29	ENVOIS	Combination	Min	-0.04	-0.29	-0.27	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	368.14	o.k	21.72	o.k	-	-	o.k	0.14	o.k
3	0.59	0.29	ENVOIS	Combination	Min	-0.04	-0.28	-0.19	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	254.41	o.k	21.41	o.k	-	-	o.k	0.10	o.k
3	0.88	0.29	ENVOIS	Combination	Min	-0.04	-0.28	-0.10	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	142.31	o.k	21.11	o.k	-	-	o.k	0.05	o.k
3	1.17	0.29	ENVOIS	Combination	Min	-0.04	-0.27	-0.02	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	31.81	o.k	20.80	o.k	-	-	o.k	0.01	o.k
3	1.47	0.29	ENVOIS	Combination	Min	-0.04	-0.27	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	1.12	o.k	20.48	o.k	-	-	o.k	0.00	o.k
3	1.76	0.29	ENVOIS	Combination	Min	-0.04	-0.27	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	5.59	o.k	20.18	o.k	-	-	o.k	0.00	o.k
3	2.05	0.29	ENVOIS	Combination	Min	-0.04	-0.26	-0.01	PENDOLON	0.0198	-	-	2.23	o.k	10.64	o.k	19.87	o.k	-	-	o.k	0.00	o.k
3	2.34	0.29	ENVOIS	Combination	Min	-0.04	-0.26	-0.01	PENDOLON	0.0198	-	-	2.23	o.k	18.85	o.k	19.57	o.k	-	-	o.k	0.01	o.k
3	2.64	0.29	ENVOIS	Combination	Min	-0.04	-0.25	-0.02	PENDOLON	0.0198	-	-	2.23	o.k	24.05	o.k	19.26	o.k	-	-	o.k	0.01	o.k
3	2.95	0.00	ENVOIS	Combination	Min	-0.04	-0.25	-0.02	PENDOLON	0.0198	-	-	2.23	o.k	32.22	o.k	18.95	o.k	-	-	o.k	0.01	o.k
6	0.00	0.00	ENVOIS	Combination	Max	1.45	0.00	0.00	PENDOLON	0.0198	73.257	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
6	0.32	0.32	ENVOIS	Combination	Max	1.45	0.00	0.00	PENDOLON	0.0198	73.460	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
6	0.64	0.32	ENVOIS	Combination	Max	1.46	0.00	0.00	PUNTAL	0.0081	180.123	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	0.96	0.32	ENVOIS	Combination	Max	1.46	0.00	0.00	PUNTAL	0.0081	180.667	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	1.28	0.32	ENVOIS	Combination	Max	1.47	0.00	0.00	PUNTAL	0.0081	181.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	1.61	0.32	ENVOIS	Combination	Max	1.47	0.00	0.00	PUNTAL	0.0081	181.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	1.93	0.32	ENVOIS	Combination	Max	1.48	0.00	0.00	PUNTAL	0.0081	182.321	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	2.25	0.32	ENVOIS	Combination	Max	1.48	0.00	0.00	PUNTAL	0.0081	182.864	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	2.57	0.32	ENVOIS	Combination	Max	1.49	0.00	0.00	PUNTAL	0.0081	183.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	2.89	0.32	ENVOIS	Combination	Max	1.49	0.00	0.00	PUNTAL	0.0081	185.965	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	3.21	0.00	ENVOIS	Combination	Max	1.49	0.00	0.00	PUNTAL	0.0081	184.519	o.k	0.00	o.k	0.00	-	0.00	o.k	0.10	-0.07	o.k	0.00	o.k
6	0.00	0.00	ENVOIS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	1.444	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.32	0.32	ENVOIS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	1.778	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.64	0.32	ENVOIS	Combination	Min	0.02	0.00	0.00	PUNTAL	0.0081	2.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.96	0.32	ENVOIS	Combination	Min	0.02	0.00	0.00	PUNTAL	0.0081	2.432	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.28	0.32	ENVOIS	Combination	Min	0.02	0.00	0.00	PUNTAL	0.0081	2.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.61	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	PUNTAL	0.0081	3.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.93	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	PUNTAL	0.0081	3.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	2.25	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	TORNAPUNTA	0.0198	1.535	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	2.57	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	TORNAPUNTA	0.0198	1.672	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	2.89	0.32	ENVOIS	Combination	Min	0.04	0.00	0.00	TORNAPUNTA	0.0198	1.803	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	3.21	0.00	ENVOIS	Combination	Min	0.04	0.00	0.00	TORNAPUNTA	0.0198	1.939	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Max	0.09	0.00	0.00	TORNAPUNTA	0.0198	4.747	o.k	0.00	o.k	0.00	-	0.01	o.k	0.00	0.00	o.k	0.00	o.k
7	0.20	0.20	ENVOIS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.808	o.k	0.00	o.k	1.20	o.k	0.01	o.k	0.00	0.00	o.k	0.00	o.k
7	0.41	0.20	ENVOIS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.864	o.k	0.00	o.k	2.41	o.k	0.01	o.k	0.00	0.00	o.k	0.00	o.k
7	0.61	0.20	ENVOIS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.924	o.k	0.00	o.k	3.61	o.k	0.01	o.k	0.00	0.00	o.k	0.00	o.k
7	0.81	0.20	ENVOIS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.980	o.k	0.00	o.k	4.83	o.k	0.01	o.k	0.00	0.00	o.k	0.00	o.k
7	1.02	0.20	ENVOIS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	5.040	o.k	0.00	o.k	6.03	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.22	0.20	ENVOIS	Combination	Max	0.10	0.00	0.01	TORNAPUNTA	0.0198	5.096	o.k	0.00	o.k	7.24	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.42	0.20	ENVOIS	Combination	Max	0.10	0.00	0.01	TORNAPUNTA	0.0198	5.157	o.k	0.00	o.k	8.44	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.65	0.20	ENVOIS	Combination	Max	0.10	0.00	0.01	DIADIONAL	0.0198	5.212	o.k	0.00	o.k	9.65	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.85	0.20	ENVOIS	Combination	Max	0.10	0.00	0.01	DIADIONAL	0.0198	5.273	o.k	0.00	o.k	10.85	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	2.02	0.19	ENVOIS	Combination	Max	0.11	0.00	0.01	DIADIONAL	0.0198	5.328	o.k	0.00	o.k	11.99	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	2.02	0.00	ENVOIS	Combination	Max	0.03	0.68	0.01	DIADIONAL	0.0198	1.702	o.k	0.00	o.k	11.99	o.k	51.85	o.k	0.01	0.00	o.k	0.00	o.k
7	2.05	0.00	ENVOIS	Combination	Max	0.03	0.68	0.00	DIADIONAL	0.0198	1.702	o.k	0.00	o.k	0.00	o.k	51.85	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Min	0.00	0.00	0.00	DIADIONAL	0.0198	0.096	o.k	0.00	o.k	0.00	-	0.33	o.k	0.00	0.00	o.k	0.00	o.k
7	0.20	0.20	ENVOIS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.118	o.k	0.00	o.k	0.03	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.41	0.20	ENVOIS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.150	o.k	0.00	o.k	0.05	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.61	0.20	ENVOIS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.182	o.k	0.00	o.k	0.08	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.81	0.20	ENVOIS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.214	o.k	0.00	o.k	0.10	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.02	0.20	ENVOIS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.245	o.k	0.00	o.k	0.13	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.22	0.20	ENVOIS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.273	o.k	0.00	o.k	0.15	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.42	0.20	ENVOIS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.305	o.k	0.00	o.k	0.18	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.65	0.20	ENVOIS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.336	o.k	0.00	o.k	0.20	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.85	0.20	ENVOIS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.368	o.k	0.00	o.k	0.23	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	2.02	0.19	ENVOIS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.400	o.k	0.00	o.k	0.25	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	2.02	0.00	ENVOIS	Combination	Min	-0.41	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	18.48	o.k	0.25	o.k	0.97	o.k	-	-	o.k	0.00	o.k
7	2.05	0.00	ENVOIS	Combination	Min	-0.41	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	18.48	o.k	0.00	o.k	0.97	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.150	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.20	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.182	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.40	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.209	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.60	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.241	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.79	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.273	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.99	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.305	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.19	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.332	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.39	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.364	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.59	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.395	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.79	0.20	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.427	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.99	0.00	ENVOIS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.455	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.00	0.00	ENVOIS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.21	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.20	0.20	ENVOIS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.40	0.20	ENVOIS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.11	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.60	0.20	ENVOIS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.05	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.79	0.20	ENVOIS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.99	0.20	ENVOIS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.95	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.19	0.20	ENVOIS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.39	0.20	ENVOIS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.59	0.20	ENVOIS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.79	0.20	ENVOIS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.99	0.00	ENVOIS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k

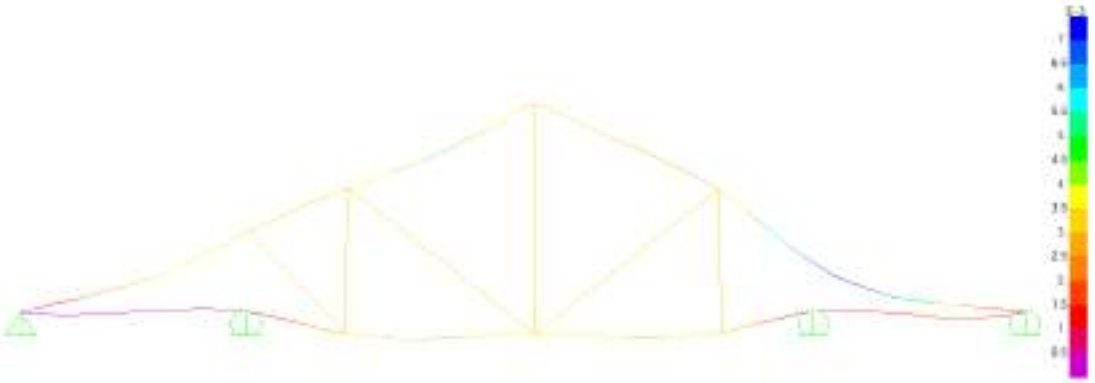
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
10	0.00	0.00	ENVOIS	Combination	Max	0.01	-0.01	0.00	PAR SUPERIOR	0.0220	0.450	o.k	0.00	o.k	0.00	-	0.74	o.k	0.00	0.00	o.k	0.00	o.k
10	0.33	0.33	ENVOIS	Combination	Max	0.01	-0.01	0.01	PAR SUPERIOR	0.0220	0.527	o.k	0.00	o.k	7.28	o.k	0.59	o.k	0.00	0.00	o.k	0.00	o.k
10	0.66	0.33	ENVOIS	Combination	Max	0.01	-0.01	0.01	PAR SUPERIOR	0.0220	0.600	o.k	0.00	o.k	12.94	o.k	0.44	o.k	0.01	0.00	o.k	0.00	o.k
10	0.99	0.33	ENVOIS	Combination	Max	0.01	0.00	0.01	PAR SUPERIOR	0.0220	0.677	o.k	0.00	o.k	18.99	o.k	0.29	o.k	0.01	0.01	o.k	0.00	o.k
10	1.32	0.33	ENVOIS	Combination	Max	0.02	0.00	0.01	PAR SUPERIOR	0.0220	0.755	o.k	0.00	o.k	19.42	o.k	0.15	o.k	0.01	0.01	o.k	0.00	o.k
10	1.65	0.33	ENVOIS	Combination	Max	0.02	0.00	0.01	PAR SUPERIOR	0.0220	0.832	o.k	0.00	o.k	20.22	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
10	1.98	0.33	ENVOIS	Combination	Max	0.02	0.00	0.01	PAR SUPERIOR	0.0220	0.909	o.k	0.00	o.k	19.42	o.k	0.25	o.k	0.01	0.01	o.k	0.00	o.k
10	2.30	0.33	ENVOIS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.0220	0.982	o.k	0.00	o.k	18.99	o.k	0.49	o.k	0.01	0.01	o.k	0.00	o.k
10	2.63	0.33	ENVOIS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.0220	1.059	o.k	0.00	o.k	12.94	o.k	0.74	o.k	0.01	0.00	o.k	0.00	o.k
10	2.96	0.33	ENVOIS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0220	1.136	o.k	0.00	o.k	7.28	o.k	0.98	o.k	0.00	0.00	o.k	0.00	o.k
10	3.29	0.00	ENVOIS	Combination	Max	0.03	0.02	0.00	PAR SUPERIOR	0.0220	1.214	o.k	0.00	o.k	0.00	o.k	1.23	o.k	0.00	0.00	o.k	0.00	o.k
10	0.00	0.00	ENVOIS	Combination	Min	-0.89	-0.02	0.00	PAR SUPERIOR	0.0220	-	-	40.27	o.k	0.00	-	1.23	o.k	-	-	o.k	0.00	o.k
10	0.33	0.33	ENVOIS	Combination	Min	-0.88	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	40.14	o.k	4.36	o.k	0.98	o.k	-	-	o.k	0.00	o.k
10	0.66	0.33	ENVOIS	Combination	Min	-0.88	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	40.01	o.k	7.77	o.k	0.74	o.k	-	-	o.k	0.00	o.k
10	0.99	0.33	ENVOIS	Combination	Min	-0.88	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	39.89	o.k	10.19	o.k	0.49	o.k	-	-	o.k	0.00	o.k
10	1.32	0.33	ENVOIS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.76	o.k	11.65	o.k	0.25	o.k	-	-	o.k	0.00	o.k
10	1.65	0.33	ENVOIS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.63	o.k	12.14	o.k	0.00	o.k	-	-	o.k	0.01	o.k
10	1.98	0.33	ENVOIS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.50	o.k	11.65	o.k	0.15	o.k	-	-	o.k	0.00	o.k
10	2.30	0.33	ENVOIS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.38	o.k	10.19	o.k	0.29	o.k	-	-	o.k	0.00	o.k
10	2.63	0.33	ENVOIS	Combination	Min	-0.86	0.01	0.01	PAR SUPERIOR	0.0220	-	-	39.25	o.k	7.77	o.k	0.44	o.k	-	-	o.k	0.00	o.k
10	2.96	0.33	ENVOIS	Combination	Min	-0.86	0.01	0.00	PAR SUPERIOR	0.0220	-	-	39.12	o.k	4.36	o.k	0.59	o.k	-	-	o.k	0.00	o.k
10	3.29	0.00	ENVOIS	Combination	Min	-0.86	0.01	0.00	PAR SUPERIOR	0.0220	-	-	39.00	o.k	0.00	o.k	0.74	o.k	-	-	o.k	0.00	o.k
11	0.00	0.00	ENVOIS	Combination	Max	0.05	-0.01	0.00	PAR SUPERIOR	0.0220	2.045	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
11	0.20	0.20	ENVOIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.995	o.k	0.00	o.k	2.37	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
11	0.40	0.20	ENVOIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.941	o.k	0.00	o.k	4.21	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
11	0.59	0.20	ENVOIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.886	o.k	0.00	o.k	5.54	o.k	0.16	o.k	0.00	0.00	o.k	0.00	o.k
11	0.79	0.20	ENVOIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.836	o.k	0.00	o.k	6.33	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
11	0.99	0.20	ENVOIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.782	o.k	0.00	o.k	6.59	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
11	1.19	0.20	ENVOIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.732	o.k	0.00	o.k	6.33	o.k	0.13	o.k	0.00	0.00	o.k	0.00	o.k
11	1.39	0.20	ENVOIS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.677	o.k	0.00	o.k	5.54	o.k	0.27	o.k	0.00	0.00	o.k	0.00	o.k
11	1.59	0.20	ENVOIS	Combination	Max	0.04	0.01	0.00	PAR SUPERIOR	0.0220	1.625	o.k	0.00	o.k	4.21	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
11	1.78	0.20	ENVOIS	Combination	Max	0.03	0.01	0.00	PAR SUPERIOR	0.0220	1.573	o.k	0.00	o.k	2.37	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
11	1.98	0.00	ENVOIS	Combination	Max	0.03	0.01	0.00	PAR SUPERIOR	0.0220	1.518	o.k	0.00	o.k	0.00	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOIS	Combination	Min	-0.82	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.11	o.k	0.00	-	0.66	o.k	-	-	o.k	0.00	o.k
11	0.20	0.20	ENVOIS	Combination	Min	-0.82	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.20	o.k	1.42	o.k	0.53	o.k	-	-	o.k	0.00	o.k
11	0.40	0.20	ENVOIS	Combination	Min	-0.82	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.29	o.k	2.52	o.k	0.40	o.k	-	-	o.k	0.00	o.k
11	0.59	0.20	ENVOIS	Combination	Min	-0.82	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.37	o.k	3.31	o.k	0.27	o.k	-	-	o.k	0.00	o.k
11	0.79	0.20	ENVOIS	Combination	Min	-0.82	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.46	o.k	3.79	o.k	0.13	o.k	-	-	o.k	0.00	o.k
11	0.99	0.20	ENVOIS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.55	o.k	3.95	o.k	0.00	o.k	-	-	o.k	0.00	o.k
11	1.19	0.20	ENVOIS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.64	o.k	3.79	o.k	0.08	o.k	-	-	o.k	0.00	o.k
11	1.39	0.20	ENVOIS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.72	o.k	3.31	o.k	0.16	o.k	-	-	o.k	0.00	o.k
11	1.59	0.20	ENVOIS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.81	o.k	2.52	o.k	0.24	o.k	-	-	o.k	0.00	o.k
11	1.78	0.20	ENVOIS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.90	o.k	1.42	o.k	0.32	o.k	-	-	o.k	0.00	o.k
11	1.98	0.00	ENVOIS	Combination	Min	-0.84	0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.99	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVOIS	Combination	Max	0.07	0.02	0.01	PAR SUPERIOR	0.0220	3.127	o.k	0.00	o.k	18.89	o.k	1.27	o.k	0.01	0.01	o.k	0.00	o.k
12	0.78	0.78	ENVOIS	Combination	Max	0.07	0.05	0.06	PAR SUPERIOR	0.0220	3.259	o.k	0.00	o.k	79.20	o.k	1.71	o.k	0.03	0.03	o.k	0.00	o.k
12	0.97	0.19	ENVOIS	Combination	Max	0.07	0.05	0.14	PAR SUPERIOR	0.0220	3.295	o.k	0.00	o.k	188.69	o.k	1.83	o.k	0.07	0.07	o.k	0.00	o.k
12	0.97	0.00	ENVOIS	Combination	Max	0.06	0.00	0.14	PAR SUPERIOR	0.0220	2.773	o.k	0.00	o.k	188.69	o.k	0.10	o.k	0.07	0.07	o.k	0.00	o.k
12	1.56	0.58	ENVOIS	Combination	Max	0.06	0.01	0.21	PAR SUPERIOR	0.0220	2.873	o.k	0.00	o.k	279.71	o.k	0.43	o.k	0.11	0.11	o.k	0.00	o.k
12	1.95	0.39	ENVOIS	Combination	Max	0.06	0.01	0.25	PAR SUPERIOR	0.0220	2.941	o.k	0.00	o.k	356.76	o.k	0.65	o.k	0.13	0.13	o.k	0.00	o.k
12	1.95	0.00	ENVOIS	Combination	Max	0.05	0.19	0.25	PAR SUPERIOR	0.0220	2.418	o.k	0.00	o.k	356.76	o.k	12.82	o.k	0.13	0.13	o.k	0.00	o.k
12	2.33	0.39	ENVOIS	Combination	Max	0.05	0.19	0.17	PAR SUPERIOR	0.0220	2.486	o.k	0.00	o.k	255.51	o.k	13.19	o.k	0.09	0.09	o.k	0.00	o.k
12	2.92	0.58	ENVOIS	Combination	Max	0.06	0.20	0.06	PAR SUPERIOR	0.0220	2.586	o.k	0.00	o.k	78.20	o.k	13.75	o.k	0.03	0.03	o.k	0.00	o.k
12	2.92	0.00	ENVOIS	Combination	Max	0.05	0.49	0.06	PAR SUPERIOR	0.0220	2.064	o.k	0.00	o.k	78.20	o.k	33.72	o.k	0.03	0.03	o.k	0.00	o.k
12	3.11	0.19	ENVOIS	Combination	Max	0.05	0.50	0.00	PAR SUPERIOR	0.0220	2.095	o.k	0.00	o.k	5.70	o.k	33.91	o.k	0.00	0.00	o.k	0.00	o.k
12	3.30	0.27	ENVOIS	Combination	Max	0.05	0.50	0.01	PAR SUPERIOR	0.0220	2.145	o.k	0.00	o.k	16.92	o.k	34.17	o.k	0.01	0.01	o.k	0.00	o.k
12	3.59	0.00	ENVOIS	Combination	Max	0.04	0.02	0.01	PAR SUPERIOR	0.0220	1.664	o.k	0.00	o.k	16.92	o.k	1.02	o.k	0.01	0.01	o.k	0.00	o.k
12	3.89	0.51	ENVOIS	Combination	Max	0.04	0.02	0.00	PAR SUPERIOR	0.0220	1.750	o.k	0.00	o.k	5.07	o.k	1.32	o.k	0.00	0.00	o.k	0.00	o.k
12	3.89	0.00	ENVOIS	Combination	Max	0.03	0.04	0.00	PAR SUPERIOR	0.0220	1.227	o.k	0.00	o.k	5.07	o.k	2.84	o.k	0.00	0.00	o.k	0.00	o.k
12	4.67	0.78	ENVOIS	Combination	Max	0.03	0.05	0.01	PAR SUPERIOR	0.0220	1.364	o.k	0.00	o.k	8.07	o.k	3.58	o.k	0.00	0.00	o.k	0.00	o.k
12	4.86	0.19	ENVOIS	Combination	Max	0.03	0.06	0.01	PAR SUPERIOR	0.0220	1.395	o.k	0.00	o.k	7.73	o.k	3.77	o.k	0.00	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
12	4.86	0.00	ENVOIS	Combination	Max	0.02	0.35	0.01	PAR SUPERIOR	0.0220	0.877	o.k	0.00	o.k	7.73	o.k	23.75	o.k	0.00	0.00	o.k	0.00	o.k
12	4.93	0.06	ENVOIS	Combination	Max	0.02	0.35	0.01	PAR SUPERIOR	0.0220	0.886	o.k	0.00	o.k	9.76	o.k	23.80	o.k	0.00	0.00	o.k	0.00	o.k
12	4.93	0.00	ENVOIS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.0220	0.923	o.k	0.00	o.k	9.76	o.k	0.95	o.k	0.00	0.00	o.k	0.00	o.k
12	5.45	0.52	ENVOIS	Combination	Max	0.02	0.02	0.04	PAR SUPERIOR	0.0220	1.004	o.k	0.00	o.k	54.95	o.k	1.24	o.k	0.02	0.02	o.k	0.00	o.k
12	5.84	0.39	ENVOIS	Combination	Max	0.02	0.02	0.15	PAR SUPERIOR	0.0220	1.082	o.k	0.00	o.k	210.72	o.k	1.47	o.k	0.08	0.08	o.k	0.00	o.k
12	5.84	0.00	ENVOIS	Combination	Max	0.01	0.00	0.15	PAR SUPERIOR	0.0220	0.559	o.k	0.00	o.k	210.72	o.k	0.14	o.k	0.08	0.08	o.k	0.00	o.k
12	6.23	0.39	ENVOIS	Combination	Max	0.01	0.01	0.15	PAR SUPERIOR	0.0220	0.627	o.k	0.00	o.k	208.19	o.k	0.51	o.k	0.08	0.08	o.k	0.00	o.k
12	6.81	0.58	ENVOIS	Combination	Max	0.02	0.02	0.15	PAR SUPERIOR	0.0220	0.727	o.k	0.00	o.k	198.95	o.k	1.07	o.k	0.08	0.08	o.k	0.00	o.k
12	6.81	0.00	ENVOIS	Combination	Max	0.00	0.51	0.15	PAR SUPERIOR	0.0220	0.205	o.k	0.00	o.k	198.95	o.k	21.03	o.k	0.08	0.08	o.k	0.00	o.k
12	7.00	0.19	ENVOIS	Combination	Max	0.01	0.31	0.09	PAR SUPERIOR	0.0220	0.256	o.k	0.00	o.k	116.74	o.k	21.22	o.k	0.04	0.04	o.k	0.00	o.k
12	7.78	0.00	ENVOIS	Combination	Max	0.01	0.32	0.01	PAR SUPERIOR	0.0220	0.373	o.k	0.00	o.k	10.16	o.k	21.97	o.k	0.00	0.00	o.k	0.00	o.k
12	0.00	0.00	ENVOIS	Combination	Min	-4.45	-0.42	-0.27	PAR SUPERIOR	0.0220	-	-	202.23	o.k	365.99	o.k	28.97	o.k	-	-	o.k	0.15	o.k
12	0.78	0.78	ENVOIS	Combination	Min	-4.44	-0.41	0.00	PAR SUPERIOR	0.0220	-	-	202.00	o.k	4.31	o.k	28.23	o.k	-	-	o.k	0.01	o.k
12	0.97	0.19	ENVOIS	Combination	Min	-4.44	-0.41	-0.01	PAR SUPERIOR	0.0220	-	-	201.95	o.k	11.20	o.k	28.04	o.k	-	-	o.k	0.01	o.k
12	0.97	0.00	ENVOIS	Combination	Min	-4.31	-0.12	-0.01	PAR SUPERIOR	0.0220	-	-	195.92	o.k	11.20	o.k	8.07	o.k	-	-	o.k	0.01	o.k
12	1.56	0.58	ENVOIS	Combination	Min	-4.31	-0.11	-0.01	PAR SUPERIOR	0.0220	-	-	195.75	o.k	14.24	o.k	7.51	o.k	-	-	o.k	0.01	o.k
12	1.95	0.39	ENVOIS	Combination	Min	-4.30	-0.10	-0.01	PAR SUPERIOR	0.0220	-	-	195.64	o.k	18.44	o.k	7.15	o.k	-	-	o.k	0.02	o.k
12	1.95	0.00	ENVOIS	Combination	Min	-4.17	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	189.61	o.k	18.44	o.k	1.08	o.k	-	-	o.k	0.02	o.k
12	2.35	0.39	ENVOIS	Combination	Min	-4.17	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	189.50	o.k	10.91	o.k	0.86	o.k	-	-	o.k	0.01	o.k
12	2.92	0.58	ENVOIS	Combination	Min	-4.17	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	189.33	o.k	2.85	o.k	0.52	o.k	-	-	o.k	0.01	o.k
12	2.92	0.00	ENVOIS	Combination	Min	-4.03	-0.03	0.00	PAR SUPERIOR	0.0220	-	-	183.31	o.k	2.85	o.k	2.26	o.k	-	-	o.k	0.01	o.k
12	3.11	0.19	ENVOIS	Combination	Min	-4.03	-0.03	-0.04	PAR SUPERIOR	0.0220	-	-	183.25	o.k	53.57	o.k	2.14	o.k	-	-	o.k	0.03	o.k
12	3.39	0.27	ENVOIS	Combination	Min	-4.03	-0.03	-0.17	PAR SUPERIOR	0.0220	-	-	183.17	o.k	258.45	o.k	1.98	o.k	-	-	o.k	0.10	o.k
12	3.59	0.00	ENVOIS	Combination	Min	-3.73	-0.26	-0.17	PAR SUPERIOR	0.0220	-	-	169.55	o.k	258.45	o.k	17.62	o.k	-	-	o.k	0.10	o.k
12	3.89	0.51	ENVOIS	Combination	Min	-3.73	-0.25	-0.05	PAR SUPERIOR	0.0220	-	-	169.40	o.k	62.50	o.k	17.15	o.k	-	-	o.k	0.03	o.k
12	3.89	0.00	ENVOIS	Combination	Min	-3.59	-0.01	-0.05	PAR SUPERIOR	0.0220	-	-	163.38	o.k	62.50	o.k	0.42	o.k	-	-	o.k	0.03	o.k
12	4.67	0.78	ENVOIS	Combination	Min	-3.59	0.00	-0.08	PAR SUPERIOR	0.0220	-	-	163.15	o.k	112.43	o.k	0.03	o.k	-	-	o.k	0.05	o.k
12	4.86	0.19	ENVOIS	Combination	Min	-3.59	0.00	-0.09	PAR SUPERIOR	0.0220	-	-	163.10	o.k	126.74	o.k	0.14	o.k	-	-	o.k	0.06	o.k
12	4.86	0.00	ENVOIS	Combination	Min	-3.46	-0.02	-0.09	PAR SUPERIOR	0.0220	-	-	157.07	o.k	126.74	o.k	1.59	o.k	-	-	o.k	0.05	o.k
12	4.93	0.06	ENVOIS	Combination	Min	-3.46	-0.02	-0.12	PAR SUPERIOR	0.0220	-	-	157.05	o.k	157.39	o.k	1.55	o.k	-	-	o.k	0.07	o.k
12	4.93	0.00	ENVOIS	Combination	Min	-3.00	-0.30	-0.12	PAR SUPERIOR	0.0220	-	-	136.34	o.k	157.39	o.k	20.70	o.k	-	-	o.k	0.07	o.k
12	5.45	0.52	ENVOIS	Combination	Min	-3.00	-0.30	0.00	PAR SUPERIOR	0.0220	-	-	136.19	o.k	1.60	o.k	20.20	o.k	-	-	o.k	0.01	o.k
12	5.84	0.39	ENVOIS	Combination	Min	-2.99	-0.29	-0.01	PAR SUPERIOR	0.0220	-	-	136.08	o.k	12.15	o.k	19.83	o.k	-	-	o.k	0.01	o.k
12	5.84	0.00	ENVOIS	Combination	Min	-2.86	0.00	-0.01	PAR SUPERIOR	0.0220	-	-	130.05	o.k	12.15	o.k	0.31	o.k	-	-	o.k	0.01	o.k
12	6.23	0.39	ENVOIS	Combination	Min	-2.86	0.00	-0.01	PAR SUPERIOR	0.0220	-	-	129.94	o.k	10.95	o.k	0.04	o.k	-	-	o.k	0.01	o.k
12	6.81	0.58	ENVOIS	Combination	Min	-2.86	0.00	-0.01	PAR SUPERIOR	0.0220	-	-	129.77	o.k	12.41	o.k	0.29	o.k	-	-	o.k	0.01	o.k
12	6.81	0.00	ENVOIS	Combination	Min	-2.72	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	123.75	o.k	12.41	o.k	1.44	o.k	-	-	o.k	0.01	o.k
12	7.00	0.19	ENVOIS	Combination	Min	-2.72	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	123.69	o.k	7.02	o.k	1.33	o.k	-	-	o.k	0.01	o.k
12	7.78	0.00	ENVOIS	Combination	Min	-2.72	-0.01	-0.16	PAR SUPERIOR	0.0220	-	-	123.46	o.k	219.42	o.k	0.88	o.k	-	-	o.k	-2.45	o.k
20	0.00	0.00	ENVOIS	Combination	Max	0.01	0.01	0.01	PAR SUPERIOR	0.0220	0.486	o.k	0.00	o.k	10.16	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
20	0.75	0.75	ENVOIS	Combination	Max	0.01	0.01	0.00	PAR SUPERIOR	0.0220	0.350	o.k	0.00	o.k	5.27	o.k	0.93	o.k	0.00	0.00	o.k	0.00	o.k
20	0.94	0.19	ENVOIS	Combination	Max	0.01	0.02	0.04	PAR SUPERIOR	0.0220	0.314	o.k	0.00	o.k	57.29	o.k	1.04	o.k	0.02	0.02	o.k	0.00	o.k
20	0.94	0.00	ENVOIS	Combination	Max	0.02	0.08	0.04	PAR SUPERIOR	0.0220	0.859	o.k	0.00	o.k	57.29	o.k	5.47	o.k	0.02	0.02	o.k	0.00	o.k
20	1.50	0.56	ENVOIS	Combination	Max	0.02	0.09	0.00	PAR SUPERIOR	0.0220	0.759	o.k	0.00	o.k	1.51	o.k	6.01	o.k	0.00	0.00	o.k	0.00	o.k
20	1.87	0.37	ENVOIS	Combination	Max	0.02	0.09	0.00	PAR SUPERIOR	0.0220	0.691	o.k	0.00	o.k	3.40	o.k	6.37	o.k	0.00	0.00	o.k	0.00	o.k
20	1.87	0.00	ENVOIS	Combination	Max	0.03	0.58	0.00	PAR SUPERIOR	0.0220	1.252	o.k	0.00	o.k	3.40	o.k	26.17	o.k	0.00	0.00	o.k	0.00	o.k
20	2.25	0.37	ENVOIS	Combination	Max	0.03	0.59	0.01	PAR SUPERIOR	0.0220	1.168	o.k	0.00	o.k	38.55	o.k	26.55	o.k	0.01	0.01	o.k	0.00	o.k
20	2.81	0.56	ENVOIS	Combination	Max	0.02	0.40	0.02	PAR SUPERIOR	0.0220	1.064	o.k	0.00	o.k	33.50	o.k	27.06	o.k	0.01	0.01	o.k	0.00	o.k
20	2.81	0.00	ENVOIS	Combination	Max	0.04	0.69	0.02	PAR SUPERIOR	0.0220	1.609	o.k	0.00	o.k	33.50	o.k	46.86	o.k	0.01	0.01	o.k	0.00	o.k
20	2.86	0.05	ENVOIS	Combination	Max	0.04	0.69	0.03	PAR SUPERIOR	0.0220	1.600	o.k	0.00	o.k	36.07	o.k	46.91	o.k	0.01	0.01	o.k	0.00	o.k
20	2.86	0.00	ENVOIS	Combination	Max	0.03	0.03	0.03	PAR SUPERIOR	0.0220	1.532	o.k	0.00	o.k	36.07	o.k	2.19	o.k	0.01	0.01	o.k	0.00	o.k
20	3.00	0.14	ENVOIS	Combination	Max	0.03	0.03	0.02	PAR SUPERIOR	0.0220	1.505	o.k	0.00	o.k	29.75	o.k	2.27	o.k	0.01	0.01	o.k	0.00	o.k
20	3.75	0.75	ENVOIS	Combination	Max	0.03	0.04	0.11	PAR SUPERIOR	0.0220	1.368	o.k	0.00	o.k	149.03	o.k	2.70	o.k	0.06	0.06	o.k	0.00	o.k
20	3.75	0.00	ENVOIS	Combination	Max	0.04	0.01	0.11	PAR SUPERIOR	0.0220	1.914	o.k	0.00	o.k	149.03	o.k	0.98	o.k	0.06	0.06	o.k	0.00	o.k
20	4.50	0.75	ENVOIS	Combination	Max	0.04	0.02	0.34	PAR SUPERIOR	0.0220	1.777	o.k	0.00	o.k	466.28	o.k	1.40	o.k	0.18	0.18	o.k	0.00	o.k
20	4.68	0.19	ENVOIS	Combination	Max	0.04	0.02	0.40	PAR SUPERIOR	0.0220	1.745	o.k	0.00	o.k	543.94	o.k	1.51	o.k	0.21	0.21	o.k	0.00	o.k
20	4.68	0.00	ENVOIS	Combination	Max	0.05	0.00	0.40	PAR SUPERIOR	0.0220	2.286	o.k	0.00	o.k	543.94	o.k	0.20	o.k	0.21	0.21	o.k	0.00	o.k
20	5.24	0.56	ENVOIS	Combination	Max	0.05	0.00	0.40	PAR SUPERIOR	0.0220	2.186	o.k	0.00	o.k	550.31	o.k	0.12	o.k	0.21	0.21	o.k	0.00	o.k
20	5.62	0.37	ENVOIS	Combination	Max	0.05	0.01	0.40	PAR SUPERIOR	0.0220	2.118	o.k	0.00	o.k	551.24	o.k	0.44	o.k	0.21	0.21	o.k	0.00	o.k
20	5.62	0.00	ENVOIS	Combination	Max	0.06	0.29	0.40	PAR SUPERIOR	0.0220	2.664	o.k	0.00	o.k	551.24	o.k	19.86	o.k	0.21	0.21	o.k	0.00	o.k
20	5.99	0.37	ENVOIS	Combination	Max	0.06	0.30	0.29	PAR SUPERIOR	0.0220	2.595	o.k	0.00	o.k	401.10	o.k	20.22	o.k	0.15	0.15	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
20	6.56	0.56	ENVOIS	Combination	Max	0.05	0.50	0.15	PAR SUPERIOR	0.0220	2.491	o.k	0.00	o.k	170.92	o.k	20.75	o.k	0.07	0.06	o.k	0.00	o.k
20	6.56	0.00	ENVOIS	Combination	Max	0.07	0.59	0.15	PAR SUPERIOR	0.0220	3.036	o.k	0.00	o.k	170.92	o.k	40.55	o.k	0.07	0.06	o.k	0.00	o.k
20	6.74	0.19	ENVOIS	Combination	Max	0.07	0.60	0.01	PAR SUPERIOR	0.0220	3.005	o.k	0.00	o.k	18.65	o.k	40.75	o.k	0.01	0.01	o.k	0.00	o.k
20	7.49	0.00	ENVOIS	Combination	Max	0.06	0.61	0.02	PAR SUPERIOR	0.0220	2.868	o.k	0.00	o.k	32.22	o.k	41.44	o.k	0.01	0.01	o.k	0.00	o.k
20	0.00	0.00	ENVOIS	Combination	Min	-2.78	-0.22	-0.16	PAR SUPERIOR	0.0220	-	-	126.35	o.k	219.42	o.k	15.22	o.k	-	-	o.k	0.09	o.k
20	0.75	0.75	ENVOIS	Combination	Min	-2.78	-0.21	0.00	PAR SUPERIOR	0.0220	-	-	126.58	o.k	0.63	o.k	14.50	o.k	-	-	o.k	0.00	o.k
20	0.94	0.19	ENVOIS	Combination	Min	-2.79	-0.21	0.00	PAR SUPERIOR	0.0220	-	-	126.65	o.k	4.32	o.k	14.32	o.k	-	-	o.k	0.01	o.k
20	0.94	0.00	ENVOIS	Combination	Min	-2.92	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	132.90	o.k	4.32	o.k	0.68	o.k	-	-	o.k	0.01	o.k
20	1.50	0.56	ENVOIS	Combination	Min	-2.93	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	133.06	o.k	7.27	o.k	0.36	o.k	-	-	o.k	0.01	o.k
20	1.87	0.37	ENVOIS	Combination	Min	-2.93	0.00	-0.04	PAR SUPERIOR	0.0220	-	-	133.17	o.k	53.63	o.k	0.14	o.k	-	-	o.k	0.02	o.k
20	1.87	0.00	ENVOIS	Combination	Min	-3.07	-0.05	-0.04	PAR SUPERIOR	0.0220	-	-	139.44	o.k	53.63	o.k	1.86	o.k	-	-	o.k	0.05	o.k
20	2.25	0.37	ENVOIS	Combination	Min	-3.07	-0.02	-0.18	PAR SUPERIOR	0.0220	-	-	139.55	o.k	251.05	o.k	1.65	o.k	-	-	o.k	0.10	o.k
20	2.81	0.56	ENVOIS	Combination	Min	-3.07	-0.02	-0.40	PAR SUPERIOR	0.0220	-	-	139.71	o.k	352.16	o.k	1.33	o.k	-	-	o.k	0.22	o.k
20	2.81	0.00	ENVOIS	Combination	Min	-3.21	-0.04	-0.40	PAR SUPERIOR	0.0220	-	-	145.98	o.k	352.16	o.k	3.05	o.k	-	-	o.k	0.22	o.k
20	2.86	0.05	ENVOIS	Combination	Min	-3.21	-0.04	-0.44	PAR SUPERIOR	0.0220	-	-	145.99	o.k	594.97	o.k	3.02	o.k	-	-	o.k	0.23	o.k
20	2.86	0.00	ENVOIS	Combination	Min	-3.38	-0.62	-0.44	PAR SUPERIOR	0.0220	-	-	153.46	o.k	594.97	o.k	42.18	o.k	-	-	o.k	0.23	o.k
20	3.00	0.14	ENVOIS	Combination	Min	-3.38	-0.62	-0.35	PAR SUPERIOR	0.0220	-	-	153.50	o.k	475.86	o.k	42.04	o.k	-	-	o.k	0.19	o.k
20	3.75	0.75	ENVOIS	Combination	Min	-3.38	-0.61	-0.01	PAR SUPERIOR	0.0220	-	-	153.73	o.k	7.49	o.k	41.35	o.k	-	-	o.k	0.01	o.k
20	3.75	0.00	ENVOIS	Combination	Min	-5.52	-0.52	-0.01	PAR SUPERIOR	0.0220	-	-	159.99	o.k	7.49	o.k	21.52	o.k	-	-	o.k	0.01	o.k
20	4.50	0.75	ENVOIS	Combination	Min	-5.52	-0.51	-0.02	PAR SUPERIOR	0.0220	-	-	160.21	o.k	25.36	o.k	20.82	o.k	-	-	o.k	0.02	o.k
20	4.68	0.19	ENVOIS	Combination	Min	-5.53	-0.50	-0.02	PAR SUPERIOR	0.0220	-	-	160.27	o.k	30.85	o.k	20.64	o.k	-	-	o.k	0.02	o.k
20	4.68	0.00	ENVOIS	Combination	Min	-5.66	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	166.53	o.k	30.85	o.k	0.83	o.k	-	-	o.k	0.02	o.k
20	5.24	0.56	ENVOIS	Combination	Min	-5.67	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	166.70	o.k	30.34	o.k	0.30	o.k	-	-	o.k	0.02	o.k
20	5.62	0.37	ENVOIS	Combination	Min	-5.67	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	166.81	o.k	32.00	o.k	0.01	o.k	-	-	o.k	0.02	o.k
20	5.62	0.00	ENVOIS	Combination	Min	-5.81	-0.02	-0.02	PAR SUPERIOR	0.0220	-	-	173.07	o.k	32.00	o.k	1.39	o.k	-	-	o.k	0.02	o.k
20	5.99	0.37	ENVOIS	Combination	Min	-5.81	-0.02	-0.02	PAR SUPERIOR	0.0220	-	-	173.18	o.k	22.40	o.k	1.17	o.k	-	-	o.k	0.02	o.k
20	6.56	0.56	ENVOIS	Combination	Min	-5.81	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	173.35	o.k	10.99	o.k	0.86	o.k	-	-	o.k	0.01	o.k
20	6.56	0.00	ENVOIS	Combination	Min	-5.95	-0.04	-0.01	PAR SUPERIOR	0.0220	-	-	179.61	o.k	10.99	o.k	2.57	o.k	-	-	o.k	0.01	o.k
20	6.74	0.19	ENVOIS	Combination	Min	-5.95	-0.04	0.00	PAR SUPERIOR	0.0220	-	-	179.67	o.k	1.54	o.k	2.47	o.k	-	-	o.k	0.01	o.k
20	7.49	0.00	ENVOIS	Combination	Min	-5.96	-0.05	-0.44	PAR SUPERIOR	0.0220	-	-	179.89	o.k	597.05	o.k	2.04	o.k	-	-	o.k	-0.57	o.k
28	0.00	0.00	ENVOIS	Combination	Max	0.03	-0.01	0.00	PAR SUPERIOR	0.0220	1.423	o.k	0.00	o.k	0.00	-	0.73	o.k	0.00	0.00	o.k	0.00	o.k
28	0.33	0.33	ENVOIS	Combination	Max	0.03	-0.01	0.01	PAR SUPERIOR	0.0220	1.500	o.k	0.00	o.k	7.15	o.k	0.59	o.k	0.00	0.00	o.k	0.00	o.k
28	0.65	0.33	ENVOIS	Combination	Max	0.03	-0.01	0.01	PAR SUPERIOR	0.0220	1.573	o.k	0.00	o.k	12.71	o.k	0.44	o.k	0.01	0.00	o.k	0.00	o.k
28	0.98	0.33	ENVOIS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.650	o.k	0.00	o.k	18.68	o.k	0.29	o.k	0.01	0.01	o.k	0.00	o.k
28	1.30	0.33	ENVOIS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.725	o.k	0.00	o.k	19.05	o.k	0.14	o.k	0.01	0.01	o.k	0.00	o.k
28	1.65	0.33	ENVOIS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.800	o.k	0.00	o.k	19.85	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
28	1.95	0.33	ENVOIS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.873	o.k	0.00	o.k	19.05	o.k	0.25	o.k	0.01	0.01	o.k	0.00	o.k
28	2.28	0.33	ENVOIS	Combination	Max	0.04	0.01	0.01	PAR SUPERIOR	0.0220	1.950	o.k	0.00	o.k	18.68	o.k	0.49	o.k	0.01	0.01	o.k	0.00	o.k
28	2.61	0.33	ENVOIS	Combination	Max	0.04	0.01	0.01	PAR SUPERIOR	0.0220	2.027	o.k	0.00	o.k	12.71	o.k	0.73	o.k	0.01	0.00	o.k	0.00	o.k
28	2.95	0.33	ENVOIS	Combination	Max	0.05	0.01	0.01	PAR SUPERIOR	0.0220	2.100	o.k	0.00	o.k	7.15	o.k	0.97	o.k	0.00	0.00	o.k	0.00	o.k
28	3.26	0.00	ENVOIS	Combination	Max	0.05	0.02	0.00	PAR SUPERIOR	0.0220	2.177	o.k	0.00	o.k	1.22	o.k	0.00	0.00	o.k	0.00	o.k
28	0.00	0.00	ENVOIS	Combination	Min	-0.91	-0.02	0.00	PAR SUPERIOR	0.0220	-	-	41.26	o.k	0.00	-	1.22	o.k	-	-	o.k	0.00	o.k
28	0.33	0.33	ENVOIS	Combination	Min	-0.91	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	41.14	o.k	4.28	o.k	0.97	o.k	-	-	o.k	0.00	o.k
28	0.65	0.33	ENVOIS	Combination	Min	-0.90	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	41.01	o.k	7.62	o.k	0.73	o.k	-	-	o.k	0.00	o.k
28	0.98	0.33	ENVOIS	Combination	Min	-0.90	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	40.88	o.k	10.01	o.k	0.49	o.k	-	-	o.k	0.00	o.k
28	1.30	0.33	ENVOIS	Combination	Min	-0.90	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.76	o.k	11.43	o.k	0.25	o.k	-	-	o.k	0.00	o.k
28	1.65	0.33	ENVOIS	Combination	Min	-0.89	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.63	o.k	11.90	o.k	0.00	o.k	-	-	o.k	0.00	o.k
28	1.95	0.33	ENVOIS	Combination	Min	-0.89	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.51	o.k	11.43	o.k	0.14	o.k	-	-	o.k	0.00	o.k
28	2.28	0.33	ENVOIS	Combination	Min	-0.89	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.38	o.k	10.01	o.k	0.29	o.k	-	-	o.k	0.00	o.k
28	2.61	0.33	ENVOIS	Combination	Min	-0.89	0.01	0.01	PAR SUPERIOR	0.0220	-	-	40.26	o.k	7.62	o.k	0.44	o.k	-	-	o.k	0.00	o.k
28	2.95	0.33	ENVOIS	Combination	Min	-0.88	0.01	0.00	PAR SUPERIOR	0.0220	-	-	40.13	o.k	4.28	o.k	0.59	o.k	-	-	o.k	0.00	o.k
28	3.26	0.00	ENVOIS	Combination	Min	-0.88	0.01	0.00	PAR SUPERIOR	0.0220	-	-	40.01	o.k	0.00	o.k	0.73	o.k	-	-	o.k	0.00	o.k

CUBIERTA MADERA - CRUJIA 5 - CERCHA TIPO 2

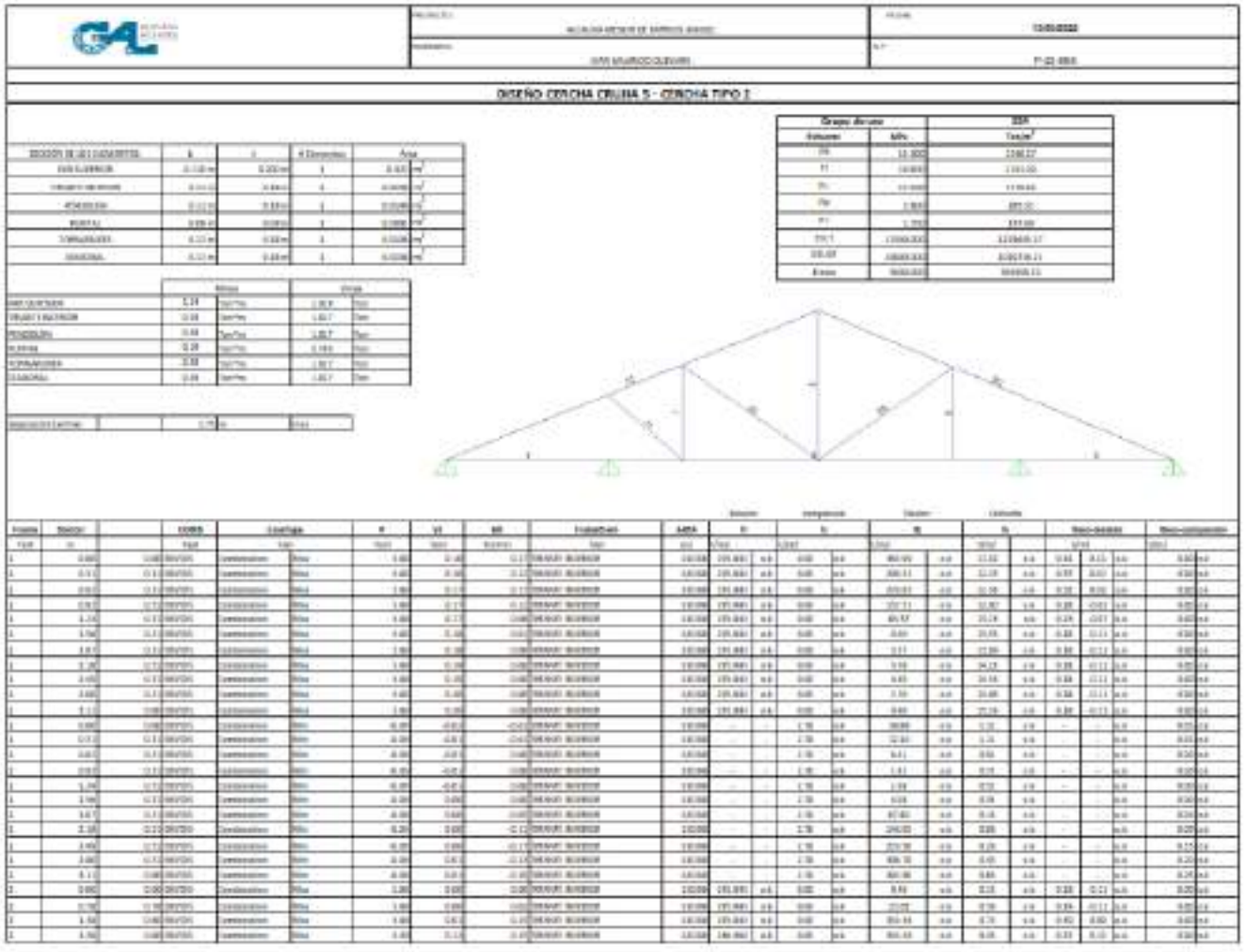
EVALUACION DE DEFORMACIONES





Luz Libre 7.82 m
Deformacion Admisible
2.61 cm CUMPLE
Deforamcion cercha
0.34 cm

Analisis Elementos Grupo ES4



DISEÑO CERCHA CRUJIA 5 - CERCHA TIPO 1

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
2	1.56	0.18	ENVOLS	Combination	Max	3.30	0.15	0.22	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	302.73	o.k	9.65	o.k	0.35	0.09	o.k	0.00	o.k
2	2.35	0.78	ENVOLS	Combination	Max	3.30	0.14	0.12	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	161.15	o.k	10.47	o.k	0.25	0.00	o.k	0.00	o.k
2	3.13	0.78	ENVOLS	Combination	Max	3.30	0.15	0.01	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	8.00	o.k	11.29	o.k	0.16	-0.10	o.k	0.00	o.k
2	3.91	0.78	ENVOLS	Combination	Max	3.30	0.16	0.00	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	4.40	o.k	12.11	o.k	0.15	-0.10	o.k	0.00	o.k
2	3.98	0.07	ENVOLS	Combination	Max	3.30	0.16	0.00	TIRANTE INFERIOR	0.0198	166.460	o.k	0.00	o.k	5.35	o.k	12.18	o.k	0.15	-0.10	o.k	0.00	o.k
2	3.98	0.00	ENVOLS	Combination	Max	3.32	-0.01	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.35	o.k	0.74	o.k	0.16	-0.10	o.k	0.00	o.k
2	4.69	0.71	ENVOLS	Combination	Max	3.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	1.27	o.k	0.30	o.k	0.15	-0.11	o.k	0.00	o.k
2	5.47	0.78	ENVOLS	Combination	Max	3.32	0.00	0.10	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	140.10	o.k	0.20	o.k	0.24	-0.02	o.k	0.00	o.k
2	6.26	0.78	ENVOLS	Combination	Max	3.32	0.01	0.21	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	286.62	o.k	0.70	o.k	0.34	0.08	o.k	0.00	o.k
2	6.56	0.30	ENVOLS	Combination	Max	3.32	0.01	0.25	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	340.47	o.k	0.89	o.k	0.37	0.11	o.k	0.00	o.k
2	6.56	0.00	ENVOLS	Combination	Max	3.32	0.47	0.25	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	340.47	o.k	35.67	o.k	0.37	0.11	o.k	0.00	o.k
2	7.04	0.48	ENVOLS	Combination	Max	3.32	0.48	0.02	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	31.42	o.k	36.17	o.k	0.17	-0.09	o.k	0.00	o.k
2	7.82	0.00	ENVOLS	Combination	Max	3.32	0.49	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.85	o.k	38.99	o.k	0.16	-0.10	o.k	0.00	o.k
2	0.00	0.00	ENVOLS	Combination	Min	-0.06	-0.40	-0.29	TIRANTE INFERIOR	0.0198	-	-	2.78	o.k	392.90	o.k	30.00	o.k	-	-	o.k	0.25	o.k
2	0.78	0.78	ENVOLS	Combination	Min	-0.06	-0.39	0.00	TIRANTE INFERIOR	0.0198	-	-	2.78	o.k	2.02	o.k	29.18	o.k	-	-	o.k	0.00	o.k
2	1.38	0.60	ENVOLS	Combination	Min	-0.06	-0.38	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.78	o.k	7.94	o.k	28.55	o.k	-	-	o.k	0.01	o.k
2	1.58	0.00	ENVOLS	Combination	Min	-0.03	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	7.94	o.k	0.87	o.k	-	-	o.k	0.01	o.k
2	1.56	0.18	ENVOLS	Combination	Min	-0.03	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	5.24	o.k	0.76	o.k	-	-	o.k	0.00	o.k
2	2.35	0.78	ENVOLS	Combination	Min	-0.03	0.00	0.00	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	1.98	o.k	0.27	o.k	-	-	o.k	0.00	o.k
2	3.13	0.78	ENVOLS	Combination	Min	-0.03	0.00	0.00	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	2.25	o.k	0.23	o.k	-	-	o.k	0.00	o.k
2	3.91	0.78	ENVOLS	Combination	Min	-0.03	0.01	-0.11	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	156.68	o.k	0.72	o.k	-	-	o.k	0.10	o.k
2	3.98	0.07	ENVOLS	Combination	Min	-0.03	0.01	-0.13	TIRANTE INFERIOR	0.0198	-	-	1.37	o.k	172.00	o.k	0.77	o.k	-	-	o.k	0.11	o.k
2	3.98	0.00	ENVOLS	Combination	Min	-0.04	-0.16	-0.13	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	172.00	o.k	12.39	o.k	-	-	o.k	0.11	o.k
2	4.69	0.71	ENVOLS	Combination	Min	-0.04	-0.15	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	18.00	o.k	11.64	o.k	-	-	o.k	0.01	o.k
2	5.47	0.78	ENVOLS	Combination	Min	-0.04	-0.14	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	1.91	o.k	10.82	o.k	-	-	o.k	0.00	o.k
2	6.26	0.78	ENVOLS	Combination	Min	-0.04	-0.13	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	4.39	o.k	10.00	o.k	-	-	o.k	0.00	o.k
2	6.56	0.30	ENVOLS	Combination	Min	-0.04	-0.13	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	8.71	o.k	9.68	o.k	-	-	o.k	0.01	o.k
2	6.56	0.00	ENVOLS	Combination	Min	-0.04	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	8.71	o.k	1.05	o.k	-	-	o.k	0.01	o.k
2	7.04	0.48	ENVOLS	Combination	Min	-0.04	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	1.15	o.k	0.73	o.k	-	-	o.k	0.00	o.k
2	7.82	0.00	ENVOLS	Combination	Min	-0.04	0.00	-0.35	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	485.50	o.k	0.23	o.k	-	-	o.k	0.32	o.k
3	0.00	0.00	ENVOLS	Combination	Max	3.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.85	o.k	0.20	o.k	0.16	-0.10	o.k	0.00	o.k
3	0.29	0.29	ENVOLS	Combination	Max	3.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	6.25	o.k	0.02	o.k	0.16	-0.10	o.k	0.00	o.k
3	0.59	0.29	ENVOLS	Combination	Max	3.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	5.86	o.k	0.17	o.k	0.16	-0.10	o.k	0.00	o.k
3	0.88	0.29	ENVOLS	Combination	Max	3.32	0.00	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	4.51	o.k	0.35	o.k	0.15	-0.10	o.k	0.00	o.k
3	1.17	0.29	ENVOLS	Combination	Max	3.32	0.01	0.00	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	2.18	o.k	0.53	o.k	0.15	-0.11	o.k	0.00	o.k
3	1.47	0.29	ENVOLS	Combination	Max	3.32	0.01	0.06	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	77.05	o.k	0.72	o.k	0.20	-0.06	o.k	0.00	o.k
3	1.76	0.29	ENVOLS	Combination	Max	3.32	0.01	0.14	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	184.28	o.k	0.90	o.k	0.27	0.01	o.k	0.00	o.k
3	2.05	0.29	ENVOLS	Combination	Max	3.32	0.01	0.21	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	289.91	o.k	1.09	o.k	0.34	0.08	o.k	0.00	o.k
3	2.34	0.29	ENVOLS	Combination	Max	3.32	0.02	0.29	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	395.90	o.k	1.27	o.k	0.40	0.15	o.k	0.00	o.k
3	2.64	0.29	ENVOLS	Combination	Max	3.32	0.02	0.36	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	496.27	o.k	1.45	o.k	0.47	0.21	o.k	0.00	o.k
3	2.93	0.00	ENVOLS	Combination	Max	3.32	0.02	0.44	TIRANTE INFERIOR	0.0198	167.455	o.k	0.00	o.k	597.03	o.k	1.64	o.k	0.55	0.28	o.k	0.00	o.k
3	0.00	0.00	ENVOLS	Combination	Min	-0.04	-0.29	-0.35	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	485.50	o.k	22.02	o.k	-	-	o.k	0.31	o.k
3	0.29	0.29	ENVOLS	Combination	Min	-0.04	-0.29	-0.27	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	368.14	o.k	21.72	o.k	-	-	o.k	0.24	o.k
3	0.59	0.29	ENVOLS	Combination	Min	-0.04	-0.28	-0.19	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	254.41	o.k	21.41	o.k	-	-	o.k	0.16	o.k
3	0.88	0.29	ENVOLS	Combination	Min	-0.04	-0.28	-0.10	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	142.31	o.k	21.11	o.k	-	-	o.k	0.09	o.k
3	1.17	0.29	ENVOLS	Combination	Min	-0.04	-0.27	-0.02	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	31.81	o.k	20.80	o.k	-	-	o.k	0.02	o.k
3	1.47	0.29	ENVOLS	Combination	Min	-0.04	-0.27	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	1.12	o.k	20.48	o.k	-	-	o.k	0.00	o.k
3	1.76	0.29	ENVOLS	Combination	Min	-0.04	-0.27	0.00	TIRANTE INFERIOR	0.0198	-	-	2.23	o.k	5.39	o.k	20.18	o.k	-	-	o.k	0.00	o.k
3	2.05	0.29	ENVOLS	Combination	Min	-0.04	-0.26	-0.01	PENDOLON	0.0198	-	-	2.23	o.k	10.64	o.k	19.87	o.k	-	-	o.k	0.01	o.k
3	2.34	0.29	ENVOLS	Combination	Min	-0.04	-0.26	-0.01	PENDOLON	0.0198	-	-	2.23	o.k	16.85	o.k	19.57	o.k	-	-	o.k	0.01	o.k
3	2.64	0.29	ENVOLS	Combination	Min	-0.04	-0.25	-0.02	PENDOLON	0.0198	-	-	2.23	o.k	24.05	o.k	19.26	o.k	-	-	o.k	0.02	o.k
3	2.93	0.00	ENVOLS	Combination	Min	-0.04	-0.25	-0.02	PENDOLON	0.0198	-	-	2.23	o.k	32.22	o.k	18.95	o.k	-	-	o.k	0.02	o.k
6	0.00	0.00	ENVOLS	Combination	Max	1.45	0.00	0.00	PENDOLON	0.0198	73.257	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
6	0.32	0.32	ENVOLS	Combination	Max	1.45	0.00	0.00	PENDOLON	0.0198	73.460	o.k	0.00	o.k	0.00	-	0.00	o.k	0.07	-0.05	o.k	0.00	o.k
6	0.64	0.32	ENVOLS	Combination	Max	1.46	0.00	0.00	PUNTAL	0.0081	180.123	o.k	0.00	o.k	0.00	-	0.00	o.k	0.16	-0.12	o.k	0.00	o.k
6	0.96	0.32	ENVOLS	Combination	Max	1.46	0.00	0.00	PUNTAL	0.0081	180.667	o.k	0.00	o.k	0.00	-	0.00	o.k	0.16	-0.12	o.k	0.00	o.k
6	1.28	0.32	ENVOLS	Combination	Max	1.47	0.00	0.00	PUNTAL	0.0081	181.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.16	-0.12	o.k	0.00	o.k
6	1.61	0.32	ENVOLS	Combination	Max	1.47	0.00	0.00	PUNTAL	0.0081	181.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.17	-0.12	o.k	0.00	o.k
6	1.93	0.32	ENVOLS	Combination	Max	1.48	0.00	0.00	PUNTAL	0.0081	182.321	o.k	0.00	o.k	0.00	-	0.00	o.k	0.17	-0.12	o.k	0.00	o.k
6	2.25	0.32	ENVOLS	Combination	Max	1.48	0.00	0.00	PUNTAL	0.0081	182.864	o.k	0.00	o.k	0.00	-	0.00	o.k	0.17	-0.12	o.k	0.00	o.k
6	2.57	0.32	ENVOLS	Combination	Max	1.49	0.00	0.00	PUNTAL	0.0081	183.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.17	-0.12	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	2.89	0.32	ENVOLS	Combination	Max	1.49	0.00	0.00	PUNTAL	0.0081	185.963	o.k	0.00	o.k	0.00	-	0.00	o.k	0.17	-0.12	o.k	0.00	o.k
6	3.21	0.00	ENVOLS	Combination	Max	1.49	0.00	0.00	PUNTAL	0.0081	184.519	o.k	0.00	o.k	0.00	-	0.00	o.k	0.17	-0.12	o.k	0.00	o.k
6	0.00	0.00	ENVOLS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	1.444	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.32	0.32	ENVOLS	Combination	Min	0.01	0.00	0.00	PUNTAL	0.0081	1.778	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.64	0.32	ENVOLS	Combination	Min	0.02	0.00	0.00	PUNTAL	0.0081	2.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.96	0.32	ENVOLS	Combination	Min	0.02	0.00	0.00	PUNTAL	0.0081	2.432	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.28	0.32	ENVOLS	Combination	Min	0.02	0.00	0.00	PUNTAL	0.0081	2.765	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.61	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	PUNTAL	0.0081	3.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.93	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	PUNTAL	0.0081	3.420	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	2.25	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	TORNAPUNTA	0.0198	1.535	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	2.57	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	TORNAPUNTA	0.0198	1.672	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	2.89	0.32	ENVOLS	Combination	Min	0.04	0.00	0.00	TORNAPUNTA	0.0198	1.805	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	3.21	0.00	ENVOLS	Combination	Min	0.04	0.00	0.00	TORNAPUNTA	0.0198	1.939	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	0.09	0.00	0.00	TORNAPUNTA	0.0198	4.747	o.k	0.00	o.k	0.00	-	0.01	o.k	0.00	0.00	o.k	0.00	o.k
7	0.20	0.20	ENVOLS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.808	o.k	0.00	o.k	1.20	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	0.41	0.20	ENVOLS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.864	o.k	0.00	o.k	2.41	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	0.61	0.20	ENVOLS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.924	o.k	0.00	o.k	3.61	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	0.81	0.20	ENVOLS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	4.980	o.k	0.00	o.k	4.83	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.02	0.20	ENVOLS	Combination	Max	0.10	0.00	0.00	TORNAPUNTA	0.0198	5.040	o.k	0.00	o.k	6.03	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.22	0.20	ENVOLS	Combination	Max	0.10	0.00	0.01	TORNAPUNTA	0.0198	5.096	o.k	0.00	o.k	7.24	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.42	0.20	ENVOLS	Combination	Max	0.10	0.00	0.01	TORNAPUNTA	0.0198	5.157	o.k	0.00	o.k	8.44	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.63	0.20	ENVOLS	Combination	Max	0.10	0.00	0.01	DIADONAL	0.0198	5.212	o.k	0.00	o.k	9.65	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	1.83	0.20	ENVOLS	Combination	Max	0.10	0.00	0.01	DIADONAL	0.0198	5.273	o.k	0.00	o.k	10.85	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	2.02	0.19	ENVOLS	Combination	Max	0.11	0.00	0.01	DIADONAL	0.0198	5.328	o.k	0.00	o.k	11.99	o.k	0.01	o.k	0.01	0.00	o.k	0.00	o.k
7	2.02	0.00	ENVOLS	Combination	Max	0.03	0.68	0.01	DIADONAL	0.0198	1.702	o.k	0.00	o.k	11.99	o.k	51.83	o.k	0.01	0.01	o.k	0.00	o.k
7	2.05	0.00	ENVOLS	Combination	Max	0.03	0.68	0.00	DIADONAL	0.0198	1.702	o.k	0.00	o.k	0.00	o.k	51.83	o.k	0.00	0.00	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	0.00	0.00	0.00	DIADONAL	0.0198	0.096	o.k	0.00	o.k	0.00	-	0.33	o.k	0.00	0.00	o.k	0.00	o.k
7	0.20	0.20	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.118	o.k	0.00	o.k	0.03	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.41	0.20	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.150	o.k	0.00	o.k	0.05	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.61	0.20	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.182	o.k	0.00	o.k	0.08	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	0.81	0.20	ENVOLS	Combination	Min	0.00	0.00	0.00	PAR SUPERIOR	0.0220	0.214	o.k	0.00	o.k	0.10	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.02	0.20	ENVOLS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.245	o.k	0.00	o.k	0.13	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.22	0.20	ENVOLS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.273	o.k	0.00	o.k	0.15	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.42	0.20	ENVOLS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.305	o.k	0.00	o.k	0.18	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.63	0.20	ENVOLS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.336	o.k	0.00	o.k	0.20	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	1.83	0.20	ENVOLS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.368	o.k	0.00	o.k	0.23	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	2.02	0.19	ENVOLS	Combination	Min	0.01	0.00	0.00	PAR SUPERIOR	0.0220	0.400	o.k	0.00	o.k	0.25	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
7	2.02	0.00	ENVOLS	Combination	Min	-0.41	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	18.48	o.k	0.25	o.k	0.97	o.k	-	-	o.k	0.00	o.k
7	2.05	0.00	ENVOLS	Combination	Min	-0.41	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	18.48	o.k	0.00	o.k	0.97	o.k	-	-	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.150	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.20	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.182	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.40	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.209	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.60	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.241	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.79	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.273	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.99	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.305	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.19	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.332	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.39	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.364	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.59	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.395	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.79	0.20	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.427	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.99	0.00	ENVOLS	Combination	Max	0.03	0.00	0.00	PAR SUPERIOR	0.0220	1.455	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.21	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.20	0.20	ENVOLS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.40	0.20	ENVOLS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.11	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.60	0.20	ENVOLS	Combination	Min	-0.60	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.05	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.79	0.20	ENVOLS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	27.00	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	0.99	0.20	ENVOLS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.95	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.19	0.20	ENVOLS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.90	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.39	0.20	ENVOLS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.85	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.59	0.20	ENVOLS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.79	0.20	ENVOLS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
8	1.99	0.00	ENVOLS	Combination	Min	-0.59	0.00	0.00	PAR SUPERIOR	0.0220	-	-	26.70	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k

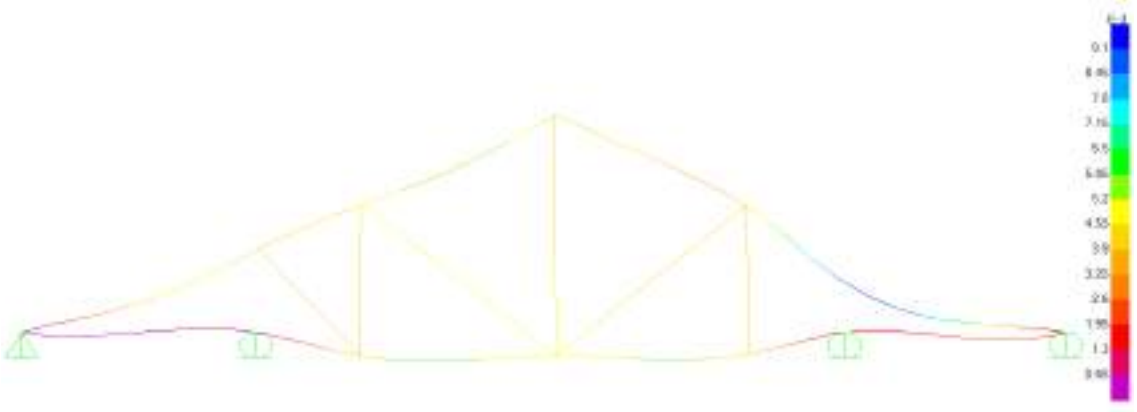
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
10	0.00	0.00	ENVOLS	Combination	Max	0.01	-0.01	0.00	PAR SUPERIOR	0.0220	0.450	o.k	0.00	o.k	0.00	-	0.74	o.k	0.00	0.00	o.k	0.00	o.k
10	0.33	0.33	ENVOLS	Combination	Max	0.01	-0.01	0.01	PAR SUPERIOR	0.0220	0.527	o.k	0.00	o.k	7.28	o.k	0.59	o.k	0.01	0.00	o.k	0.00	o.k
10	0.66	0.33	ENVOLS	Combination	Max	0.01	-0.01	0.01	PAR SUPERIOR	0.0220	0.600	o.k	0.00	o.k	12.94	o.k	0.44	o.k	0.01	0.01	o.k	0.00	o.k
10	0.99	0.33	ENVOLS	Combination	Max	0.01	0.00	0.01	PAR SUPERIOR	0.0220	0.677	o.k	0.00	o.k	18.99	o.k	0.29	o.k	0.01	0.01	o.k	0.00	o.k
10	1.32	0.33	ENVOLS	Combination	Max	0.02	0.00	0.01	PAR SUPERIOR	0.0220	0.755	o.k	0.00	o.k	19.42	o.k	0.15	o.k	0.01	0.01	o.k	0.00	o.k
10	1.65	0.33	ENVOLS	Combination	Max	0.02	0.00	0.01	PAR SUPERIOR	0.0220	0.832	o.k	0.00	o.k	20.22	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
10	1.98	0.33	ENVOLS	Combination	Max	0.02	0.00	0.01	PAR SUPERIOR	0.0220	0.909	o.k	0.00	o.k	19.42	o.k	0.25	o.k	0.01	0.01	o.k	0.00	o.k
10	2.30	0.33	ENVOLS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.0220	0.982	o.k	0.00	o.k	18.99	o.k	0.49	o.k	0.01	0.01	o.k	0.00	o.k
10	2.63	0.33	ENVOLS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.0220	1.059	o.k	0.00	o.k	12.94	o.k	0.74	o.k	0.01	0.01	o.k	0.00	o.k
10	2.96	0.33	ENVOLS	Combination	Max	0.03	0.01	0.01	PAR SUPERIOR	0.0220	1.136	o.k	0.00	o.k	7.28	o.k	0.98	o.k	0.01	0.00	o.k	0.00	o.k
10	3.29	0.00	ENVOLS	Combination	Max	0.03	0.02	0.00	PAR SUPERIOR	0.0220	1.214	o.k	0.00	o.k	0.00	o.k	1.23	o.k	0.00	0.00	o.k	0.00	o.k
10	0.00	0.00	ENVOLS	Combination	Min	-0.89	-0.02	0.00	PAR SUPERIOR	0.0220	-	-	40.27	o.k	0.00	-	1.23	o.k	-	-	o.k	0.00	o.k
10	0.33	0.33	ENVOLS	Combination	Min	-0.88	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	40.14	o.k	4.36	o.k	0.98	o.k	-	-	o.k	0.00	o.k
10	0.66	0.33	ENVOLS	Combination	Min	-0.88	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	40.01	o.k	7.77	o.k	0.74	o.k	-	-	o.k	0.01	o.k
10	0.99	0.33	ENVOLS	Combination	Min	-0.88	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	39.89	o.k	10.19	o.k	0.49	o.k	-	-	o.k	0.01	o.k
10	1.32	0.33	ENVOLS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.76	o.k	11.65	o.k	0.25	o.k	-	-	o.k	0.01	o.k
10	1.65	0.33	ENVOLS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.63	o.k	12.14	o.k	0.00	o.k	-	-	o.k	0.01	o.k
10	1.98	0.33	ENVOLS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.50	o.k	11.65	o.k	0.15	o.k	-	-	o.k	0.01	o.k
10	2.30	0.33	ENVOLS	Combination	Min	-0.87	0.00	0.01	PAR SUPERIOR	0.0220	-	-	39.38	o.k	10.19	o.k	0.29	o.k	-	-	o.k	0.01	o.k
10	2.63	0.33	ENVOLS	Combination	Min	-0.86	0.01	0.01	PAR SUPERIOR	0.0220	-	-	39.25	o.k	7.77	o.k	0.44	o.k	-	-	o.k	0.01	o.k
10	2.96	0.33	ENVOLS	Combination	Min	-0.86	0.01	0.00	PAR SUPERIOR	0.0220	-	-	39.12	o.k	4.36	o.k	0.59	o.k	-	-	o.k	0.00	o.k
10	3.29	0.00	ENVOLS	Combination	Min	-0.86	0.01	0.00	PAR SUPERIOR	0.0220	-	-	39.00	o.k	0.00	o.k	0.74	o.k	-	-	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Max	0.05	-0.01	0.00	PAR SUPERIOR	0.0220	2.045	o.k	0.00	o.k	0.00	-	0.40	o.k	0.00	0.00	o.k	0.00	o.k
11	0.20	0.20	ENVOLS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.995	o.k	0.00	o.k	2.37	o.k	0.32	o.k	0.00	0.00	o.k	0.00	o.k
11	0.40	0.20	ENVOLS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.941	o.k	0.00	o.k	4.21	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
11	0.59	0.20	ENVOLS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.886	o.k	0.00	o.k	5.54	o.k	0.16	o.k	0.01	0.00	o.k	0.00	o.k
11	0.79	0.20	ENVOLS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.836	o.k	0.00	o.k	6.33	o.k	0.08	o.k	0.01	0.00	o.k	0.00	o.k
11	0.99	0.20	ENVOLS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.782	o.k	0.00	o.k	6.59	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
11	1.19	0.20	ENVOLS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.732	o.k	0.00	o.k	6.33	o.k	0.13	o.k	0.01	0.00	o.k	0.00	o.k
11	1.39	0.20	ENVOLS	Combination	Max	0.04	0.00	0.00	PAR SUPERIOR	0.0220	1.677	o.k	0.00	o.k	5.54	o.k	0.27	o.k	0.01	0.00	o.k	0.00	o.k
11	1.59	0.20	ENVOLS	Combination	Max	0.04	0.01	0.00	PAR SUPERIOR	0.0220	1.623	o.k	0.00	o.k	4.21	o.k	0.40	o.k	0.00	0.00	o.k	0.00	o.k
11	1.78	0.20	ENVOLS	Combination	Max	0.03	0.01	0.00	PAR SUPERIOR	0.0220	1.573	o.k	0.00	o.k	2.37	o.k	0.53	o.k	0.00	0.00	o.k	0.00	o.k
11	1.98	0.00	ENVOLS	Combination	Max	0.03	0.01	0.00	PAR SUPERIOR	0.0220	1.518	o.k	0.00	o.k	0.00	o.k	0.66	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-0.82	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.11	o.k	0.00	-	0.66	o.k	-	-	o.k	0.00	o.k
11	0.20	0.20	ENVOLS	Combination	Min	-0.82	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.20	o.k	1.42	o.k	0.53	o.k	-	-	o.k	0.00	o.k
11	0.40	0.20	ENVOLS	Combination	Min	-0.82	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.29	o.k	2.52	o.k	0.40	o.k	-	-	o.k	0.00	o.k
11	0.59	0.20	ENVOLS	Combination	Min	-0.82	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.37	o.k	3.31	o.k	0.27	o.k	-	-	o.k	0.00	o.k
11	0.79	0.20	ENVOLS	Combination	Min	-0.82	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.46	o.k	3.79	o.k	0.13	o.k	-	-	o.k	0.00	o.k
11	0.99	0.20	ENVOLS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.55	o.k	3.95	o.k	0.00	o.k	-	-	o.k	0.00	o.k
11	1.19	0.20	ENVOLS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.64	o.k	3.79	o.k	0.08	o.k	-	-	o.k	0.00	o.k
11	1.39	0.20	ENVOLS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.72	o.k	3.31	o.k	0.16	o.k	-	-	o.k	0.00	o.k
11	1.59	0.20	ENVOLS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.81	o.k	2.52	o.k	0.24	o.k	-	-	o.k	0.00	o.k
11	1.78	0.20	ENVOLS	Combination	Min	-0.83	0.00	0.00	PAR SUPERIOR	0.0220	-	-	37.90	o.k	1.42	o.k	0.32	o.k	-	-	o.k	0.00	o.k
11	1.98	0.00	ENVOLS	Combination	Min	-0.84	0.01	0.00	PAR SUPERIOR	0.0220	-	-	37.99	o.k	0.00	o.k	0.40	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVOLS	Combination	Max	0.07	0.02	0.01	PAR SUPERIOR	0.0220	3.127	o.k	0.00	o.k	18.89	o.k	1.27	o.k	0.01	0.01	o.k	0.00	o.k
12	0.78	0.78	ENVOLS	Combination	Max	0.07	0.03	0.06	PAR SUPERIOR	0.0220	3.259	o.k	0.00	o.k	79.20	o.k	1.71	o.k	0.05	0.05	o.k	0.00	o.k
12	0.97	0.19	ENVOLS	Combination	Max	0.07	0.03	0.14	PAR SUPERIOR	0.0220	3.295	o.k	0.00	o.k	188.69	o.k	1.83	o.k	0.12	0.12	o.k	0.00	o.k
12	0.97	0.00	ENVOLS	Combination	Max	0.06	0.00	0.14	PAR SUPERIOR	0.0220	2.773	o.k	0.00	o.k	188.69	o.k	0.10	o.k	0.12	0.12	o.k	0.00	o.k
12	1.56	0.58	ENVOLS	Combination	Max	0.06	0.01	0.21	PAR SUPERIOR	0.0220	2.873	o.k	0.00	o.k	279.71	o.k	0.43	o.k	0.18	0.18	o.k	0.00	o.k
12	1.95	0.39	ENVOLS	Combination	Max	0.06	0.01	0.25	PAR SUPERIOR	0.0220	2.941	o.k	0.00	o.k	356.76	o.k	0.65	o.k	0.22	0.21	o.k	0.00	o.k
12	1.95	0.00	ENVOLS	Combination	Max	0.05	0.19	0.25	PAR SUPERIOR	0.0220	2.418	o.k	0.00	o.k	356.76	o.k	12.82	o.k	0.22	0.21	o.k	0.00	o.k
12	2.33	0.39	ENVOLS	Combination	Max	0.05	0.19	0.17	PAR SUPERIOR	0.0220	2.486	o.k	0.00	o.k	235.51	o.k	13.19	o.k	0.15	0.15	o.k	0.00	o.k
12	2.92	0.58	ENVOLS	Combination	Max	0.06	0.20	0.06	PAR SUPERIOR	0.0220	2.586	o.k	0.00	o.k	78.20	o.k	13.75	o.k	0.05	0.05	o.k	0.00	o.k
12	2.92	0.00	ENVOLS	Combination	Max	0.05	0.49	0.06	PAR SUPERIOR	0.0220	2.064	o.k	0.00	o.k	78.20	o.k	33.72	o.k	0.05	0.05	o.k	0.00	o.k
12	3.11	0.19	ENVOLS	Combination	Max	0.05	0.50	0.00	PAR SUPERIOR	0.0220	2.095	o.k	0.00	o.k	5.70	o.k	33.91	o.k	0.01	0.00	o.k	0.00	o.k
12	3.39	0.27	ENVOLS	Combination	Max	0.05	0.50	0.01	PAR SUPERIOR	0.0220	2.145	o.k	0.00	o.k	16.92	o.k	34.17	o.k	0.01	0.01	o.k	0.00	o.k
12	3.39	0.00	ENVOLS	Combination	Max	0.04	0.02	0.01	PAR SUPERIOR	0.0220	1.664	o.k	0.00	o.k	16.92	o.k	1.02	o.k	0.01	0.01	o.k	0.00	o.k
12	3.89	0.51	ENVOLS	Combination	Max	0.04	0.02	0.00	PAR SUPERIOR	0.0220	1.750	o.k	0.00	o.k	5.07	o.k	1.32	o.k	0.00	0.00	o.k	0.00	o.k
12	3.89	0.00	ENVOLS	Combination	Max	0.03	0.04	0.00	PAR SUPERIOR	0.0220	1.227	o.k	0.00	o.k	5.07	o.k	2.84	o.k	0.00	0.00	o.k	0.00	o.k
12	4.67	0.78	ENVOLS	Combination	Max	0.03	0.05	0.01	PAR SUPERIOR	0.0220	1.364	o.k	0.00	o.k	8.07	o.k	3.58	o.k	0.01	0.00	o.k	0.00	o.k
12	4.86	0.19	ENVOLS	Combination	Max	0.03	0.06	0.01	PAR SUPERIOR	0.0220	1.395	o.k	0.00	o.k	7.73	o.k	3.77	o.k	0.01	0.00	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
12	4.86	0.00	ENVOLS	Combination	Max	0.02	0.35	0.01	PAR SUPERIOR	0.0220	0.877	o.k	0.00	o.k	7.73	o.k	23.73	o.k	0.01	0.00	o.k	0.00	o.k
12	4.93	0.06	ENVOLS	Combination	Max	0.02	0.35	0.01	PAR SUPERIOR	0.0220	0.886	o.k	0.00	o.k	9.76	o.k	23.80	o.k	0.01	0.01	o.k	0.00	o.k
12	4.93	0.00	ENVOLS	Combination	Max	0.02	0.01	0.01	PAR SUPERIOR	0.0220	0.925	o.k	0.00	o.k	9.76	o.k	0.95	o.k	0.01	0.01	o.k	0.00	o.k
12	5.45	0.52	ENVOLS	Combination	Max	0.02	0.02	0.04	PAR SUPERIOR	0.0220	1.014	o.k	0.00	o.k	54.95	o.k	1.24	o.k	0.04	0.03	o.k	0.00	o.k
12	5.84	0.39	ENVOLS	Combination	Max	0.02	0.02	0.15	PAR SUPERIOR	0.0220	1.082	o.k	0.00	o.k	210.72	o.k	1.47	o.k	0.14	0.13	o.k	0.00	o.k
12	5.84	0.00	ENVOLS	Combination	Max	0.01	0.00	0.15	PAR SUPERIOR	0.0220	0.559	o.k	0.00	o.k	210.72	o.k	0.14	o.k	0.14	0.13	o.k	0.00	o.k
12	6.23	0.39	ENVOLS	Combination	Max	0.01	0.01	0.15	PAR SUPERIOR	0.0220	0.627	o.k	0.00	o.k	208.10	o.k	0.51	o.k	0.13	0.13	o.k	0.00	o.k
12	6.81	0.58	ENVOLS	Combination	Max	0.02	0.02	0.15	PAR SUPERIOR	0.0220	0.727	o.k	0.00	o.k	198.95	o.k	1.07	o.k	0.13	0.13	o.k	0.00	o.k
12	6.81	0.00	ENVOLS	Combination	Max	0.00	0.31	0.15	PAR SUPERIOR	0.0220	0.305	o.k	0.00	o.k	198.95	o.k	21.05	o.k	0.13	0.13	o.k	0.00	o.k
12	7.00	0.19	ENVOLS	Combination	Max	0.01	0.31	0.09	PAR SUPERIOR	0.0220	0.236	o.k	0.00	o.k	116.74	o.k	21.22	o.k	0.08	0.07	o.k	0.00	o.k
12	7.78	0.00	ENVOLS	Combination	Max	0.01	0.32	0.01	PAR SUPERIOR	0.0220	0.373	o.k	0.00	o.k	10.16	o.k	21.97	o.k	0.01	0.01	o.k	0.00	o.k
12	0.00	0.00	ENVOLS	Combination	Min	-4.45	-0.42	-0.27	PAR SUPERIOR	0.0220	-	-	202.23	o.k	365.99	o.k	28.97	o.k	-	-	o.k	0.26	o.k
12	0.78	0.78	ENVOLS	Combination	Min	-4.44	-0.41	0.00	PAR SUPERIOR	0.0220	-	-	202.00	o.k	4.31	o.k	28.25	o.k	-	-	o.k	0.02	o.k
12	0.97	0.19	ENVOLS	Combination	Min	-4.44	-0.41	-0.01	PAR SUPERIOR	0.0220	-	-	201.95	o.k	11.20	o.k	28.04	o.k	-	-	o.k	0.03	o.k
12	0.97	0.00	ENVOLS	Combination	Min	-4.31	-0.12	-0.01	PAR SUPERIOR	0.0220	-	-	195.92	o.k	11.20	o.k	8.07	o.k	-	-	o.k	0.03	o.k
12	1.56	0.58	ENVOLS	Combination	Min	-4.31	-0.11	-0.01	PAR SUPERIOR	0.0220	-	-	195.75	o.k	14.24	o.k	7.51	o.k	-	-	o.k	0.03	o.k
12	1.95	0.39	ENVOLS	Combination	Min	-4.30	-0.10	-0.01	PAR SUPERIOR	0.0220	-	-	195.64	o.k	18.44	o.k	7.15	o.k	-	-	o.k	0.03	o.k
12	1.95	0.00	ENVOLS	Combination	Min	-4.17	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	189.61	o.k	18.44	o.k	1.08	o.k	-	-	o.k	0.03	o.k
12	2.33	0.39	ENVOLS	Combination	Min	-4.17	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	189.50	o.k	10.91	o.k	0.86	o.k	-	-	o.k	0.03	o.k
12	2.92	0.58	ENVOLS	Combination	Min	-4.17	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	189.33	o.k	2.85	o.k	0.52	o.k	-	-	o.k	0.02	o.k
12	2.92	0.00	ENVOLS	Combination	Min	-4.03	-0.03	0.00	PAR SUPERIOR	0.0220	-	-	183.31	o.k	2.85	o.k	2.26	o.k	-	-	o.k	0.02	o.k
12	3.11	0.19	ENVOLS	Combination	Min	-4.03	-0.03	-0.04	PAR SUPERIOR	0.0220	-	-	183.25	o.k	53.57	o.k	2.14	o.k	-	-	o.k	0.05	o.k
12	3.59	0.27	ENVOLS	Combination	Min	-4.03	-0.03	-0.17	PAR SUPERIOR	0.0220	-	-	183.17	o.k	258.45	o.k	1.98	o.k	-	-	o.k	0.17	o.k
12	3.59	0.00	ENVOLS	Combination	Min	-3.73	-0.26	-0.17	PAR SUPERIOR	0.0220	-	-	169.55	o.k	258.45	o.k	17.62	o.k	-	-	o.k	0.17	o.k
12	3.89	0.31	ENVOLS	Combination	Min	-3.73	-0.25	-0.05	PAR SUPERIOR	0.0220	-	-	169.40	o.k	62.50	o.k	17.13	o.k	-	-	o.k	0.06	o.k
12	3.89	0.00	ENVOLS	Combination	Min	-3.59	-0.01	-0.05	PAR SUPERIOR	0.0220	-	-	165.38	o.k	62.50	o.k	0.42	o.k	-	-	o.k	0.05	o.k
12	4.67	0.78	ENVOLS	Combination	Min	-3.59	0.00	-0.08	PAR SUPERIOR	0.0220	-	-	165.15	o.k	112.45	o.k	0.05	o.k	-	-	o.k	0.09	o.k
12	4.86	0.19	ENVOLS	Combination	Min	-3.59	0.00	-0.09	PAR SUPERIOR	0.0220	-	-	165.10	o.k	126.74	o.k	0.14	o.k	-	-	o.k	0.10	o.k
12	4.86	0.00	ENVOLS	Combination	Min	-3.46	-0.01	-0.09	PAR SUPERIOR	0.0220	-	-	157.07	o.k	126.74	o.k	1.59	o.k	-	-	o.k	0.09	o.k
12	4.93	0.06	ENVOLS	Combination	Min	-3.46	-0.01	-0.12	PAR SUPERIOR	0.0220	-	-	157.05	o.k	157.39	o.k	1.55	o.k	-	-	o.k	0.11	o.k
12	4.93	0.00	ENVOLS	Combination	Min	-3.00	-0.30	-0.12	PAR SUPERIOR	0.0220	-	-	136.34	o.k	157.39	o.k	20.70	o.k	-	-	o.k	0.11	o.k
12	5.45	0.52	ENVOLS	Combination	Min	-3.00	-0.30	0.00	PAR SUPERIOR	0.0220	-	-	136.19	o.k	1.60	o.k	20.20	o.k	-	-	o.k	0.01	o.k
12	5.84	0.39	ENVOLS	Combination	Min	-2.99	-0.29	-0.01	PAR SUPERIOR	0.0220	-	-	136.08	o.k	12.15	o.k	19.83	o.k	-	-	o.k	0.02	o.k
12	5.84	0.00	ENVOLS	Combination	Min	-2.86	0.00	-0.01	PAR SUPERIOR	0.0220	-	-	130.05	o.k	12.15	o.k	0.31	o.k	-	-	o.k	0.02	o.k
12	6.23	0.39	ENVOLS	Combination	Min	-2.86	0.00	-0.01	PAR SUPERIOR	0.0220	-	-	129.94	o.k	10.95	o.k	0.04	o.k	-	-	o.k	0.02	o.k
12	6.81	0.58	ENVOLS	Combination	Min	-2.86	0.00	-0.01	PAR SUPERIOR	0.0220	-	-	129.77	o.k	12.41	o.k	0.29	o.k	-	-	o.k	0.02	o.k
12	6.81	0.00	ENVOLS	Combination	Min	-2.72	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	123.75	o.k	12.41	o.k	1.44	o.k	-	-	o.k	0.02	o.k
12	7.00	0.19	ENVOLS	Combination	Min	-2.72	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	123.69	o.k	7.02	o.k	1.33	o.k	-	-	o.k	0.01	o.k
12	7.78	0.00	ENVOLS	Combination	Min	-2.72	-0.01	-0.16	PAR SUPERIOR	0.0220	-	-	123.46	o.k	219.42	o.k	0.88	o.k	-	-	o.k	-0.29	o.k
20	0.00	0.00	ENVOLS	Combination	Max	0.01	0.01	0.01	PAR SUPERIOR	0.0220	0.486	o.k	0.00	o.k	10.16	o.k	0.50	o.k	0.01	0.01	o.k	0.00	o.k
20	0.75	0.75	ENVOLS	Combination	Max	0.01	0.01	0.00	PAR SUPERIOR	0.0220	0.350	o.k	0.00	o.k	5.27	o.k	0.93	o.k	0.00	0.00	o.k	0.00	o.k
20	0.94	0.19	ENVOLS	Combination	Max	0.01	0.02	0.04	PAR SUPERIOR	0.0220	0.314	o.k	0.00	o.k	57.29	o.k	1.04	o.k	0.04	0.04	o.k	0.00	o.k
20	0.94	0.00	ENVOLS	Combination	Max	0.02	0.08	0.04	PAR SUPERIOR	0.0220	0.859	o.k	0.00	o.k	57.29	o.k	5.47	o.k	0.04	0.04	o.k	0.00	o.k
20	1.50	0.56	ENVOLS	Combination	Max	0.02	0.09	0.00	PAR SUPERIOR	0.0220	0.759	o.k	0.00	o.k	1.51	o.k	6.01	o.k	0.00	0.00	o.k	0.00	o.k
20	1.87	0.37	ENVOLS	Combination	Max	0.02	0.09	0.00	PAR SUPERIOR	0.0220	0.691	o.k	0.00	o.k	3.40	o.k	6.37	o.k	0.00	0.00	o.k	0.00	o.k
20	1.87	0.00	ENVOLS	Combination	Max	0.03	0.38	0.00	PAR SUPERIOR	0.0220	1.252	o.k	0.00	o.k	3.40	o.k	26.17	o.k	0.00	0.00	o.k	0.00	o.k
20	2.25	0.37	ENVOLS	Combination	Max	0.03	0.39	0.01	PAR SUPERIOR	0.0220	1.368	o.k	0.00	o.k	16.55	o.k	26.53	o.k	0.01	0.01	o.k	0.00	o.k
20	2.81	0.56	ENVOLS	Combination	Max	0.02	0.40	0.02	PAR SUPERIOR	0.0220	1.064	o.k	0.00	o.k	33.30	o.k	27.06	o.k	0.02	0.02	o.k	0.00	o.k
20	2.81	0.00	ENVOLS	Combination	Max	0.04	0.69	0.02	PAR SUPERIOR	0.0220	1.609	o.k	0.00	o.k	33.30	o.k	46.86	o.k	0.02	0.02	o.k	0.00	o.k
20	2.86	0.05	ENVOLS	Combination	Max	0.04	0.69	0.05	PAR SUPERIOR	0.0220	1.600	o.k	0.00	o.k	36.07	o.k	46.91	o.k	0.02	0.02	o.k	0.00	o.k
20	2.86	0.00	ENVOLS	Combination	Max	0.03	0.03	0.05	PAR SUPERIOR	0.0220	1.552	o.k	0.00	o.k	36.07	o.k	2.19	o.k	0.02	0.02	o.k	0.00	o.k
20	3.00	0.14	ENVOLS	Combination	Max	0.03	0.03	0.02	PAR SUPERIOR	0.0220	1.505	o.k	0.00	o.k	29.75	o.k	2.27	o.k	0.02	0.02	o.k	0.00	o.k
20	3.75	0.75	ENVOLS	Combination	Max	0.03	0.04	0.11	PAR SUPERIOR	0.0220	1.368	o.k	0.00	o.k	149.05	o.k	2.70	o.k	0.10	0.09	o.k	0.00	o.k
20	3.75	0.00	ENVOLS	Combination	Max	0.04	0.01	0.11	PAR SUPERIOR	0.0220	1.914	o.k	0.00	o.k	149.05	o.k	0.98	o.k	0.10	0.09	o.k	0.00	o.k
20	4.50	0.75	ENVOLS	Combination	Max	0.04	0.02	0.34	PAR SUPERIOR	0.0220	1.777	o.k	0.00	o.k	466.28	o.k	1.40	o.k	0.30	0.30	o.k	0.00	o.k
20	4.68	0.19	ENVOLS	Combination	Max	0.04	0.02	0.40	PAR SUPERIOR	0.0220	1.745	o.k	0.00	o.k	545.94	o.k	1.51	o.k	0.35	0.35	o.k	0.00	o.k
20	4.68	0.00	ENVOLS	Combination	Max	0.05	0.00	0.40	PAR SUPERIOR	0.0220	2.286	o.k	0.00	o.k	545.94	o.k	0.20	o.k	0.35	0.35	o.k	0.00	o.k
20	5.24	0.56	ENVOLS	Combination	Max	0.05	0.00	0.40	PAR SUPERIOR	0.0220	2.186	o.k	0.00	o.k	550.31	o.k	0.12	o.k	0.35	0.35	o.k	0.00	o.k
20	5.62	0.37	ENVOLS	Combination	Max	0.05	0.01	0.40	PAR SUPERIOR	0.0220	2.118	o.k	0.00	o.k	551.24	o.k	0.44	o.k	0.36	0.35	o.k	0.00	o.k
20	5.62	0.00	ENVOLS	Combination	Max	0.06	0.29	0.40	PAR SUPERIOR	0.0220	2.664	o.k	0.00	o.k	551.24	o.k	19.86	o.k	0.36	0.35	o.k	0.00	o.k
20	5.99	0.37	ENVOLS	Combination	Max	0.06	0.30	0.29	PAR SUPERIOR	0.0220	2.595	o.k	0.00	o.k	401.10	o.k	20.22	o.k	0.26	0.26	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
20	6.56	0.56	ENVOLS	Combination	Max	0.05	0.50	0.15	PAR SUPERIOR	0.0220	2.491	o.k	0.00	o.k	170.92	o.k	20.75	o.k	0.11	0.11	o.k	0.00	o.k
20	6.56	0.00	ENVOLS	Combination	Max	0.07	0.59	0.13	PAR SUPERIOR	0.0220	3.096	o.k	0.00	o.k	170.92	o.k	40.55	o.k	0.11	0.11	o.k	0.00	o.k
20	6.74	0.19	ENVOLS	Combination	Max	0.07	0.60	0.01	PAR SUPERIOR	0.0220	3.005	o.k	0.00	o.k	18.65	o.k	40.73	o.k	0.01	0.01	o.k	0.00	o.k
20	7.49	0.00	ENVOLS	Combination	Max	0.06	0.61	0.02	PAR SUPERIOR	0.0220	2.868	o.k	0.00	o.k	32.22	o.k	41.44	o.k	0.02	0.02	o.k	0.00	o.k
20	0.00	0.00	ENVOLS	Combination	Min	-2.78	-0.22	-0.16	PAR SUPERIOR	0.0220	-	-	126.35	o.k	219.42	o.k	15.22	o.k	-	-	o.k	0.15	o.k
20	0.75	0.75	ENVOLS	Combination	Min	-2.78	-0.21	0.00	PAR SUPERIOR	0.0220	-	-	126.58	o.k	0.63	o.k	14.50	o.k	-	-	o.k	0.01	o.k
20	0.94	0.19	ENVOLS	Combination	Min	-2.79	-0.21	0.00	PAR SUPERIOR	0.0220	-	-	126.63	o.k	4.32	o.k	14.32	o.k	-	-	o.k	0.01	o.k
20	0.94	0.00	ENVOLS	Combination	Min	-2.92	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	132.90	o.k	4.32	o.k	0.88	o.k	-	-	o.k	0.01	o.k
20	1.50	0.56	ENVOLS	Combination	Min	-2.93	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	133.06	o.k	7.27	o.k	0.36	o.k	-	-	o.k	0.01	o.k
20	1.87	0.37	ENVOLS	Combination	Min	-2.93	0.00	-0.04	PAR SUPERIOR	0.0220	-	-	133.17	o.k	53.63	o.k	0.14	o.k	-	-	o.k	0.04	o.k
20	1.87	0.00	ENVOLS	Combination	Min	-3.07	-0.03	-0.04	PAR SUPERIOR	0.0220	-	-	139.44	o.k	53.63	o.k	1.86	o.k	-	-	o.k	0.04	o.k
20	2.25	0.37	ENVOLS	Combination	Min	-3.07	-0.02	-0.18	PAR SUPERIOR	0.0220	-	-	139.55	o.k	251.05	o.k	1.65	o.k	-	-	o.k	0.17	o.k
20	2.81	0.56	ENVOLS	Combination	Min	-3.07	-0.02	-0.40	PAR SUPERIOR	0.0220	-	-	139.71	o.k	552.16	o.k	1.33	o.k	-	-	o.k	0.37	o.k
20	2.81	0.00	ENVOLS	Combination	Min	-3.21	-0.04	-0.40	PAR SUPERIOR	0.0220	-	-	145.98	o.k	552.16	o.k	3.05	o.k	-	-	o.k	0.37	o.k
20	2.86	0.05	ENVOLS	Combination	Min	-3.21	-0.04	-0.44	PAR SUPERIOR	0.0220	-	-	145.99	o.k	594.97	o.k	3.02	o.k	-	-	o.k	0.39	o.k
20	2.86	0.00	ENVOLS	Combination	Min	-3.38	-0.62	-0.44	PAR SUPERIOR	0.0220	-	-	153.46	o.k	594.97	o.k	42.18	o.k	-	-	o.k	0.39	o.k
20	3.00	0.14	ENVOLS	Combination	Min	-3.38	-0.62	-0.35	PAR SUPERIOR	0.0220	-	-	153.50	o.k	475.86	o.k	42.04	o.k	-	-	o.k	0.32	o.k
20	3.75	0.75	ENVOLS	Combination	Min	-3.38	-0.61	-0.01	PAR SUPERIOR	0.0220	-	-	153.73	o.k	7.49	o.k	41.55	o.k	-	-	o.k	0.02	o.k
20	3.75	0.00	ENVOLS	Combination	Min	-3.52	-0.52	-0.01	PAR SUPERIOR	0.0220	-	-	159.99	o.k	7.49	o.k	21.52	o.k	-	-	o.k	0.02	o.k
20	4.50	0.75	ENVOLS	Combination	Min	-3.52	-0.51	-0.02	PAR SUPERIOR	0.0220	-	-	160.21	o.k	25.36	o.k	20.82	o.k	-	-	o.k	0.03	o.k
20	4.68	0.19	ENVOLS	Combination	Min	-3.53	-0.50	-0.02	PAR SUPERIOR	0.0220	-	-	160.27	o.k	30.85	o.k	20.64	o.k	-	-	o.k	0.03	o.k
20	4.68	0.00	ENVOLS	Combination	Min	-3.66	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	166.53	o.k	30.85	o.k	0.83	o.k	-	-	o.k	0.03	o.k
20	5.24	0.56	ENVOLS	Combination	Min	-3.67	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	166.70	o.k	30.54	o.k	0.30	o.k	-	-	o.k	0.03	o.k
20	5.62	0.37	ENVOLS	Combination	Min	-3.67	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	166.81	o.k	32.00	o.k	0.01	o.k	-	-	o.k	0.04	o.k
20	5.62	0.00	ENVOLS	Combination	Min	-3.81	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	173.07	o.k	32.00	o.k	1.39	o.k	-	-	o.k	0.04	o.k
20	5.99	0.37	ENVOLS	Combination	Min	-3.81	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	173.18	o.k	22.40	o.k	1.17	o.k	-	-	o.k	0.03	o.k
20	6.56	0.56	ENVOLS	Combination	Min	-3.81	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	173.35	o.k	10.99	o.k	0.86	o.k	-	-	o.k	0.02	o.k
20	6.56	0.00	ENVOLS	Combination	Min	-3.95	-0.04	-0.01	PAR SUPERIOR	0.0220	-	-	179.61	o.k	10.99	o.k	2.57	o.k	-	-	o.k	0.02	o.k
20	6.74	0.19	ENVOLS	Combination	Min	-3.95	-0.04	0.00	PAR SUPERIOR	0.0220	-	-	179.67	o.k	1.54	o.k	2.47	o.k	-	-	o.k	0.02	o.k
20	7.49	0.00	ENVOLS	Combination	Min	-3.96	-0.03	-0.44	PAR SUPERIOR	0.0220	-	-	179.89	o.k	597.05	o.k	2.04	o.k	-	-	o.k	-0.37	o.k
28	0.00	0.00	ENVOLS	Combination	Max	0.03	-0.01	0.00	PAR SUPERIOR	0.0220	1.423	o.k	0.00	o.k	0.00	-	0.73	o.k	0.00	0.00	o.k	0.00	o.k
28	0.33	0.33	ENVOLS	Combination	Max	0.03	-0.01	0.01	PAR SUPERIOR	0.0220	1.500	o.k	0.00	o.k	7.15	o.k	0.59	o.k	0.01	0.00	o.k	0.00	o.k
28	0.65	0.33	ENVOLS	Combination	Max	0.03	-0.01	0.01	PAR SUPERIOR	0.0220	1.573	o.k	0.00	o.k	12.71	o.k	0.44	o.k	0.01	0.01	o.k	0.00	o.k
28	0.98	0.33	ENVOLS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.650	o.k	0.00	o.k	16.68	o.k	0.29	o.k	0.01	0.01	o.k	0.00	o.k
28	1.30	0.33	ENVOLS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.723	o.k	0.00	o.k	19.05	o.k	0.14	o.k	0.01	0.01	o.k	0.00	o.k
28	1.63	0.33	ENVOLS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.800	o.k	0.00	o.k	19.85	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
28	1.95	0.33	ENVOLS	Combination	Max	0.04	0.00	0.01	PAR SUPERIOR	0.0220	1.873	o.k	0.00	o.k	19.05	o.k	0.25	o.k	0.01	0.01	o.k	0.00	o.k
28	2.28	0.33	ENVOLS	Combination	Max	0.04	0.01	0.01	PAR SUPERIOR	0.0220	1.950	o.k	0.00	o.k	16.68	o.k	0.49	o.k	0.01	0.01	o.k	0.00	o.k
28	2.61	0.33	ENVOLS	Combination	Max	0.04	0.01	0.01	PAR SUPERIOR	0.0220	2.027	o.k	0.00	o.k	12.71	o.k	0.73	o.k	0.01	0.01	o.k	0.00	o.k
28	2.93	0.33	ENVOLS	Combination	Max	0.05	0.01	0.01	PAR SUPERIOR	0.0220	2.100	o.k	0.00	o.k	7.15	o.k	0.97	o.k	0.01	0.00	o.k	0.00	o.k
28	3.26	0.00	ENVOLS	Combination	Max	0.05	0.01	0.00	PAR SUPERIOR	0.0220	2.177	o.k	0.00	o.k	0.00	o.k	1.22	o.k	0.00	0.00	o.k	0.00	o.k
28	0.00	0.00	ENVOLS	Combination	Min	-0.91	-0.02	0.00	PAR SUPERIOR	0.0220	-	-	41.26	o.k	0.00	-	1.22	o.k	-	-	o.k	0.00	o.k
28	0.33	0.33	ENVOLS	Combination	Min	-0.91	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	41.14	o.k	4.28	o.k	0.97	o.k	-	-	o.k	0.00	o.k
28	0.65	0.33	ENVOLS	Combination	Min	-0.90	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	41.01	o.k	7.62	o.k	0.73	o.k	-	-	o.k	0.01	o.k
28	0.98	0.33	ENVOLS	Combination	Min	-0.90	-0.01	0.01	PAR SUPERIOR	0.0220	-	-	40.88	o.k	10.01	o.k	0.49	o.k	-	-	o.k	0.01	o.k
28	1.30	0.33	ENVOLS	Combination	Min	-0.90	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.76	o.k	11.43	o.k	0.25	o.k	-	-	o.k	0.01	o.k
28	1.63	0.33	ENVOLS	Combination	Min	-0.89	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.63	o.k	11.90	o.k	0.00	o.k	-	-	o.k	0.01	o.k
28	1.95	0.33	ENVOLS	Combination	Min	-0.89	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.51	o.k	11.43	o.k	0.14	o.k	-	-	o.k	0.01	o.k
28	2.28	0.33	ENVOLS	Combination	Min	-0.89	0.00	0.01	PAR SUPERIOR	0.0220	-	-	40.38	o.k	10.01	o.k	0.29	o.k	-	-	o.k	0.01	o.k
28	2.61	0.33	ENVOLS	Combination	Min	-0.89	0.01	0.01	PAR SUPERIOR	0.0220	-	-	40.26	o.k	7.62	o.k	0.44	o.k	-	-	o.k	0.01	o.k
28	2.93	0.33	ENVOLS	Combination	Min	-0.88	0.01	0.00	PAR SUPERIOR	0.0220	-	-	40.13	o.k	4.28	o.k	0.59	o.k	-	-	o.k	0.00	o.k
28	3.26	0.00	ENVOLS	Combination	Min	-0.88	0.01	0.00	PAR SUPERIOR	0.0220	-	-	40.01	o.k	0.00	o.k	0.73	o.k	-	-	o.k	0.00	o.k

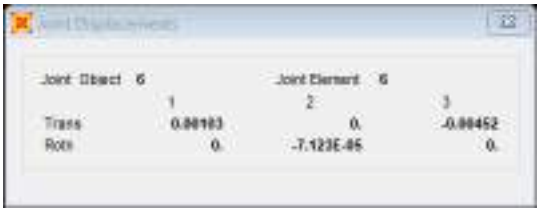
CUBIERTA MADERA - CRUJIA 5 - CERCHA TIPO 2

EVALUACION DE DEFORMACIONES



Luz Libre 7.82 m
Deformacion Admisible
2.61 cm
Deforamcion cercha
0.45 cm

CUMPLE



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 2- CRUJIA 5

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

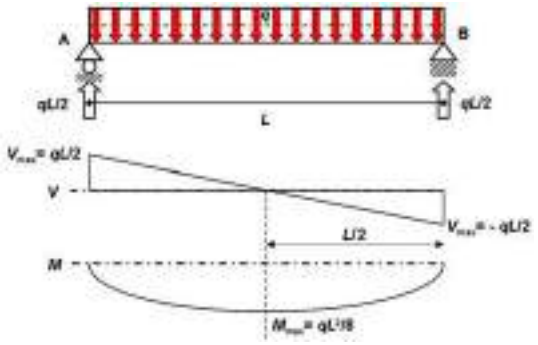
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 1.75 m L Afe= 0.98 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.6 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 49.00 Kg/m
CM= 98.70 Kg/m
W= 71.79 Kg/m



q_U =	**189.30 Kg/m**
$V_{MÀX}$=	**165.63 Kg**
$M_{MÀX}$=	**72.46 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

τ= $\frac{3*V_{MÁX}}{2*b*h}$

τ= *3.11 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

δ= $\frac{5*W_U*L^4}{384*E*I}$

δ= *0.53 cm* < δ Admisible, Cumple

NOTA:

4.11.10.3 Tipo 3

CUBIERTA CRUJIA 5

Corresponde al analisis de la crujia 5 cerchas CH10 a CH11, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	0.98	93.10	49.00	**49.00**	**71.79**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.50	139.65	73.50	**73.50**	**107.69**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None

Table: Combination Definitions, Part 2 of 3				
ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	CaseName	GUID	Notes
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
2	Rectangular	N.A.	TIR 18X11	N.A.	Default
3	Rectangular	N.A.	TIR 18X11	N.A.	Default
4	Rectangular	N.A.	TIR 18X11	N.A.	Default
8	Rectangular	N.A.	PEN 18X11	N.A.	Default
9	Rectangular	N.A.	PUNT 0.09	N.A.	Default
10	Rectangular	N.A.	PUNT 0.09	N.A.	Default
11	Rectangular	N.A.	TORN 18X11	N.A.	Default
12	Rectangular	N.A.	TORN 18X11	N.A.	Default
13	Rectangular	N.A.	PAR 20X11	N.A.	Default
21	Rectangular	N.A.	PAR 20X11	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
DIAG1010	M-ES2	Rectangular	0.1	0.1		
M9.09X10	M-ES2	Rectangular	0.1	0.0909		
M9.09X20	M-ES2	Rectangular	0.2	0.0909		
PAR 20X11	M-ES2	Rectangular	0.2	0.11		
PEN 18X11	M-ES2	Rectangular	0.18	0.11		
PUNT 0.09	M-ES2	Rectangular	0.09	0.09		
TIR 18X11	M-ES2	Rectangular	0.18	0.11		
TORN 18X11	M-ES2	Rectangular	0.18	0.11		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
DIAG1010	0.01	0.000014	8.333E-06	8.333E-06	0.	0.008333	0.008333
M9.09X10	0.00909	0.000012	7.575E-06	6.259E-06	0.	0.007575	0.007575
M9.09X20	0.01818	0.000036	0.000061	0.000013	0.	0.01515	0.01515
PAR 20X11	0.022	0.000058	0.000073	0.000022	0.	0.018333	0.018333

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
PEN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
PUNT 0.09	0.0081	9.240E-06	5.468E-06	5.468E-06	0.	0.00675	0.00675
TIR 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
TORN 18X11	0.0198	0.000049	0.000053	0.00002	0.	0.0165	0.0165
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
DIAG1010	0.000167	0.000167	0.00025	0.00025	0.028868	0.028868	
M9.09X10	0.000152	0.000138	0.000227	0.000207	0.028868	0.026241	
M9.09X20	0.000606	0.000275	0.000909	0.000413	0.057735	0.026241	
PAR 20X11	0.000733	0.000403	0.0011	0.000605	0.057735	0.031754	
PEN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
PUNT 0.09	0.000122	0.000122	0.000182	0.000182	0.025981	0.025981	
TIR 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
TORN 18X11	0.000594	0.000363	0.000891	0.000545	0.051962	0.031754	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
DIAG1010	No	No	Magenta	0.	0.	No	1.
M9.09X10	No	No	Magenta	0.	0.	No	1.
M9.09X20	No	No	Cyan	0.	0.	No	1.
PAR 20X11	No	No	Cyan	235.24	23.99	No	1.
PEN 18X11	No	No	White	44.49	4.54	No	1.
PUNT 0.09	No	No	Cyan	21.05	2.15	No	1.
TIR 18X11	No	No	Magenta	192.1	19.59	No	1.
TORN 18X11	No	No	Blue	92.9	9.47	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
DIAG1010	1.	1.	1.	1.	1.	1.	1.
M9.09X10	1.	1.	1.	1.	1.	1.	1.
M9.09X20	1.	1.	1.	1.	1.	1.	1.
PAR 20X11	1.	1.	1.	1.	1.	1.	1.
PEN 18X11	1.	1.	1.	1.	1.	1.	1.
PUNT 0.09	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
TIR 18X11	1.	1.	1.	1.	1.	1.	1.
TORN 18X11	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	SectInFile	FileName	GUID
DIAG1010			
M9.09X10			
M9.09X20			
PAR 20X11			
PEN 18X11			
PUNT 0.09			
TIR 18X11			
TORN 18X11			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	Notes
DIAG1010	Added 01/06/2017 00:08:57
M9.09X10	Added 01/06/2017 00:33:52
M9.09X20	Added 01/06/2017 00:31:59
PAR 20X11	Added 01/06/2017 00:06:46
PEN 18X11	Added 01/06/2017 00:08:01
PUNT 0.09	Added 01/06/2017 00:08:43
TIR 18X11	Added 01/06/2017 00:07:12
TORN 18X11	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	AxisDir	GridID	XRYZCoord	LineType	LineColor	Visible	BubbleLoc
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		3.08	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.11	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.32	Primary	Gray8Dark	Yes	End
GLOBAL	X		7.06	Primary	Gray8Dark	Yes	End
GLOBAL	X		9.99	Primary	Gray8Dark	Yes	End
GLOBAL	X		10.9	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 1 of 2							
CoordSys	AxisDir	GridID	XRYZCoord	LineType	LineColor	Visible	BubbleLoc
			m				
GLOBAL	X		13.86	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		2.02	Primary	Gray8Dark	Yes	End
GLOBAL	Z		3.21	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	AllVisible	BubbleSize
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
3	D	GLOBAL	0.	0.	-139.65	0.	0.
3	Lr	GLOBAL	0.	0.	-73.5	0.	0.
3	G	GLOBAL	0.	0.	-73.5	0.	0.
3	W	GLOBAL	0.	0.	-107.69	0.	0.
6	D	GLOBAL	0.	0.	-139.65	0.	0.
6	Lr	GLOBAL	0.	0.	-73.5	0.	0.
6	G	GLOBAL	0.	0.	-73.5	0.	0.
6	W	GLOBAL	0.	0.	-107.69	0.	0.
7	D	GLOBAL	0.	0.	-139.65	0.	0.
7	Lr	GLOBAL	0.	0.	-73.5	0.	0.
7	G	GLOBAL	0.	0.	-73.5	0.	0.
7	W	GLOBAL	0.	0.	-107.69	0.	0.
19	D	GLOBAL	0.	0.	-139.65	0.	0.
19	Lr	GLOBAL	0.	0.	-73.5	0.	0.
19	G	GLOBAL	0.	0.	-73.5	0.	0.
19	W	GLOBAL	0.	0.	-107.69	0.	0.
20	D	GLOBAL	0.	0.	-139.65	0.	0.
20	Lr	GLOBAL	0.	0.	-73.5	0.	0.

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
20	G	GLOBAL	0.	0.	-73.5	0.	0.
20	W	GLOBAL	0.	0.	-107.69	0.	0.
21	D	GLOBAL	0.	0.	-139.65	0.	0.
21	Lr	GLOBAL	0.	0.	-73.5	0.	0.
21	G	GLOBAL	0.	0.	-73.5	0.	0.
21	W	GLOBAL	0.	0.	-107.69	0.	0.
22	D	GLOBAL	0.	0.	-139.65	0.	0.
22	Lr	GLOBAL	0.	0.	-73.5	0.	0.
22	G	GLOBAL	0.	0.	-73.5	0.	0.
22	W	GLOBAL	0.	0.	-107.69	0.	0.
23	D	GLOBAL	0.	0.	-139.65	0.	0.
23	Lr	GLOBAL	0.	0.	-73.5	0.	0.
23	G	GLOBAL	0.	0.	-73.5	0.	0.
23	W	GLOBAL	0.	0.	-107.69	0.	0.
24	D	GLOBAL	0.	0.	-139.65	0.	0.
24	Lr	GLOBAL	0.	0.	-73.5	0.	0.
24	G	GLOBAL	0.	0.	-73.5	0.	0.
24	W	GLOBAL	0.	0.	-107.69	0.	0.
25	D	GLOBAL	0.	0.	-139.65	0.	0.
25	Lr	GLOBAL	0.	0.	-73.5	0.	0.
25	G	GLOBAL	0.	0.	-73.5	0.	0.
25	W	GLOBAL	0.	0.	-107.69	0.	0.
26	D	GLOBAL	0.	0.	-139.65	0.	0.
26	Lr	GLOBAL	0.	0.	-73.5	0.	0.
26	G	GLOBAL	0.	0.	-73.5	0.	0.
26	W	GLOBAL	0.	0.	-107.69	0.	0.
27	D	GLOBAL	0.	0.	-139.65	0.	0.
27	Lr	GLOBAL	0.	0.	-73.5	0.	0.
27	G	GLOBAL	0.	0.	-73.5	0.	0.
27	W	GLOBAL	0.	0.	-107.69	0.	0.
28	D	GLOBAL	0.	0.	-139.65	0.	0.
28	Lr	GLOBAL	0.	0.	-73.5	0.	0.
28	G	GLOBAL	0.	0.	-73.5	0.	0.
28	W	GLOBAL	0.	0.	-107.69	0.	0.
29	D	GLOBAL	0.	0.	-139.65	0.	0.
29	Lr	GLOBAL	0.	0.	-73.5	0.	0.
29	G	GLOBAL	0.	0.	-73.5	0.	0.
29	W	GLOBAL	0.	0.	-107.69	0.	0.
30	D	GLOBAL	0.	0.	-139.65	0.	0.
30	Lr	GLOBAL	0.	0.	-73.5	0.	0.
30	G	GLOBAL	0.	0.	-73.5	0.	0.
30	W	GLOBAL	0.	0.	-107.69	0.	0.
31	D	GLOBAL	0.	0.	-139.65	0.	0.
31	Lr	GLOBAL	0.	0.	-73.5	0.	0.
31	G	GLOBAL	0.	0.	-73.5	0.	0.
31	W	GLOBAL	0.	0.	-107.69	0.	0.
32	D	GLOBAL	0.	0.	-139.65	0.	0.
32	Lr	GLOBAL	0.	0.	-73.5	0.	0.
32	G	GLOBAL	0.	0.	-73.5	0.	0.

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
32	W	GLOBAL	0.	0.	-107.69	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
3	D	0.	17561d2a-9523-4c2a-9a11-b9f35dfa78f5
3	Lr	0.	675de99e-49c1-4a05-954f-f0ff43dcc5b6
3	G	0.	02f29a0a-55e7-4f60-b126-8a3d2f019cb4
3	W	0.	7360caa3-746e-4471-8c16-dd94902a1da7
6	D	0.	1456fc6d-3930-4084-af85-e246cadf9d30
6	Lr	0.	4277eb92-ea24-4edb-974f-9863485a1c72
6	G	0.	afc5c4cf-775d-4311-b54e-9626cd46aa12
6	W	0.	f019230c-f5da-4212-8889-7b66fbb21259
7	D	0.	65a5242b-90b2-48e2-87aa-2a0d99996169
7	Lr	0.	48a491ab-da67-48ab-ad66-d36be3813de1
7	G	0.	20018df2-832a-4892-bd7d-21e1aea1e51a
7	W	0.	5745d998-1832-4eae-8687-abc5b399245f
19	D	0.	ca717f94-5aa2-457b-b360-b6dc4eded2bd
19	Lr	0.	ee8e4869-5205-44ec-b653-bf7bbeb2c3f6
19	G	0.	edae5985-0774-4e1c-a99d-d71283063b8f
19	W	0.	da7849a2-7f94-4dd0-acf5-b0bc96504df0
20	D	0.	eb3b3bb3-0765-4ee4-91d3-4d8d3f038100
20	Lr	0.	3072300b-229b-44fd-8faa-750e4496f702
20	G	0.	186f6440-4f11-4e3c-8d50-6c2733b166ec
20	W	0.	f1b07a0b-bae7-406d-9844-c4a9e0aebf72
21	D	0.	10b46ed9-4b1d-4af8-9f4e-d54cc8ae374a
21	Lr	0.	9b1906e1-35f9-491f-902c-a30db6521ca1
21	G	0.	c1f8ae41-0845-4efb-ae0b-4bc08226a30a

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
21	W	0.	b93abe29-19a4-450b-86cb-d180f5a67d1b
22	D	0.	4627b030-9f14-4936-a522-9fe059b20426
22	Lr	0.	2fcae828-67a4-4d1f-abc0-4e518231f5f5
22	G	0.	809b60d8-88fd-4f8f-98b1-aa751397d017
22	W	0.	7d490ba9-319b-4c79-8d2f-d155a64bd465
23	D	0.	71b8379d-041a-4e3a-a9f4-409c26dafe44
23	Lr	0.	e31722e0-5ef0-48cf-aa57-e3be468bb226
23	G	0.	3f629b30-b09b-426e-8b6d-215dd97bea5e
23	W	0.	c7f26deb-5578-4e64-9839-01158b3d1685
24	D	0.	4b4b7447-eb3b-49aa-966d-89aa2d197900
24	Lr	0.	5eff44a5-538f-4d83-8cd5-5eb9a808b628
24	G	0.	5420fb89-2ae7-4151-ad34-d0a448f0be61
24	W	0.	1fb4b0dd-4f05-494e-8dfd-70fd57c290b7
25	D	0.	8e3ca20d-41c9-41e5-a150-637d74d86ce6
25	Lr	0.	3751a14e-9f4d-46b7-9ec6-24bc6e6db7e1
25	G	0.	b9481e35-d19e-4f76-80f9-93302bbd82f6
25	W	0.	d9816a59-47bd-42fd-b7a5-42b7b8d31cc6
26	D	0.	21d5d23b-8948-4f5b-a4b8-daa3b5b90742
26	Lr	0.	4ab450e5-5169-41c9-ae4c-ac24018191fe
26	G	0.	1dafd2c8-165a-49c6-a159-7305dd363785
26	W	0.	75c4135b-9bc4-4a2c-a277-4fd7160d6024
27	D	0.	ea792045-b2bb-4f00-81bd-2a4aee170afe
27	Lr	0.	d5f7a31f-1af5-412c-b641-b0fcd44fe072
27	G	0.	c909bed4-acc3-4abb-95b0-846a658e1a91
27	W	0.	d6883c2c-f74e-4296-8bad-996120ef1a7d
28	D	0.	e2d68472-5c4b-403d-bf83-0344ceed8726
28	Lr	0.	eef6af89-45eb-4d49-9410-f33c39b8311a

Table: Joint Loads - Force, Part 2 of 2			
Joint	LoadPat	M3	GUID
		Kgf-m	
28	G	0.	d59d9e94-8d93-4e47-8e14-fa8d20346eb5
28	W	0.	a3ba0239-3e7a-4f09-8139-aa34fa6a655a
29	D	0.	8459eb94-609a-4863-9b6b-44838461ac31
29	Lr	0.	143c0334-d9d8-4671-b6bb-3982be472b5a
29	G	0.	5ae1ce3a-cc1c-489e-8f1e-62d7296d1b0c
29	W	0.	1e80af3f-a9cc-4f53-be10-579a0e1effa8
30	D	0.	0888f068-cfe9-46cb-8ba7-9ee9a08d41ce
30	Lr	0.	d8fb4f0c-719c-455a-8c23-cc2c1797c768
30	G	0.	b954dc54-7e40-4fd7-9b3c-91cd95ff2bf3
30	W	0.	6a19faf0-321e-4e12-8fc2-a31d630406fe
31	D	0.	c53dbad8-95af-4ba8-9929-97e830576c1e
31	Lr	0.	ec891906-1869-42b7-8ed3-5c84a907e950
31	G	0.	6ad6d314-6d62-4402-a43d-8653362d196d
31	W	0.	5622c46b-a264-43ad-ac74-10c454a6e611
32	D	0.	72de2c75-1114-4869-80fd-ad1cd7250220
32	Lr	0.	e1e89a65-9588-4a2b-9c20-d8bbd732fed8
32	G	0.	8bedbba4-24ea-4b36-910b-f8192f0d9fa5
32	W	0.	c5e48460-229c-45d5-b53f-11952140b9fe

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Not Run	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Not Run	
W	Prog Det	Short-Term Composite	None	Yes	Not Run	
G	Prog Det	Short-Term Composite	None	Yes	Not Run	
PP	Prog Det	Non-Composite	None	Yes	Not Run	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

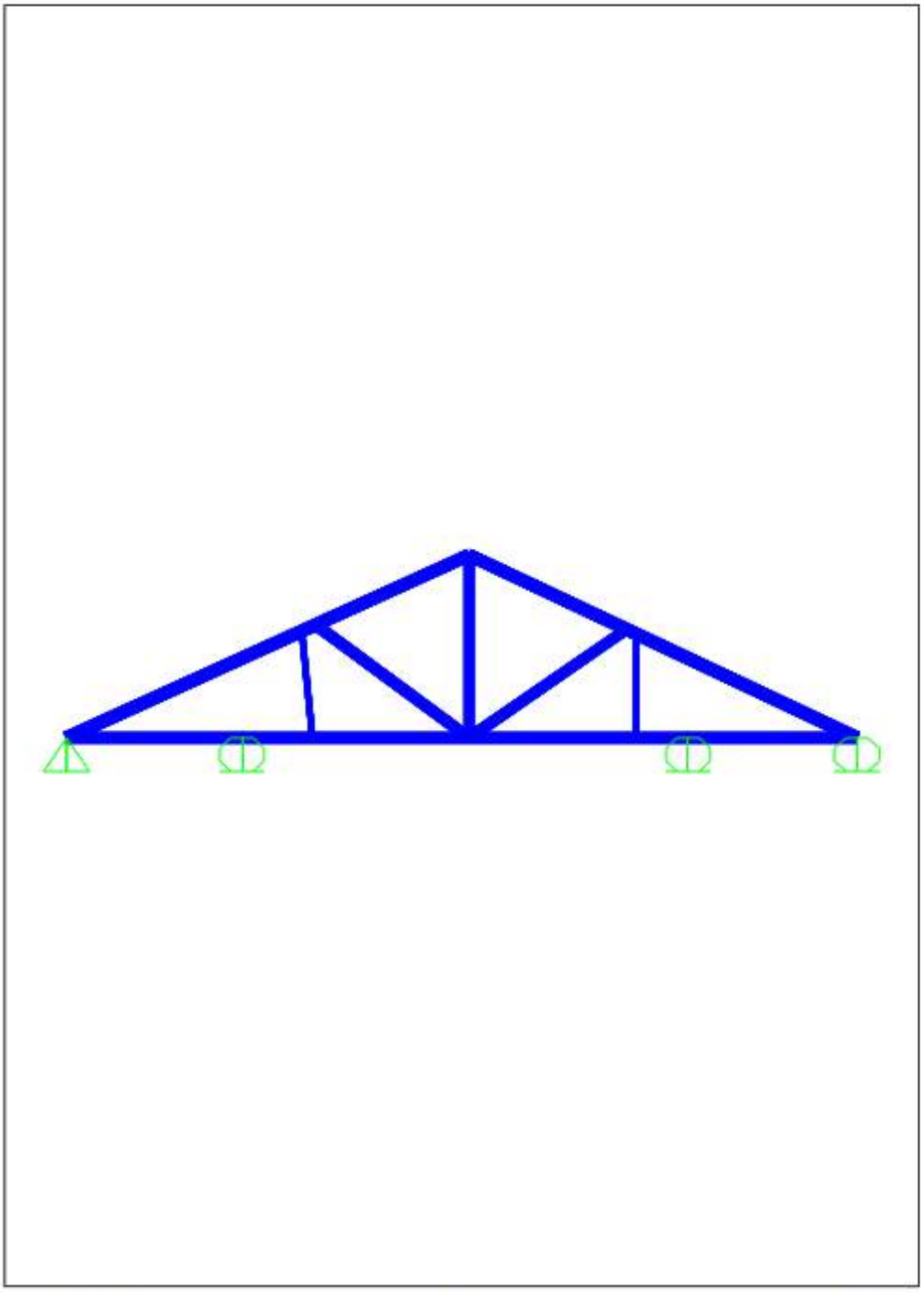
Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

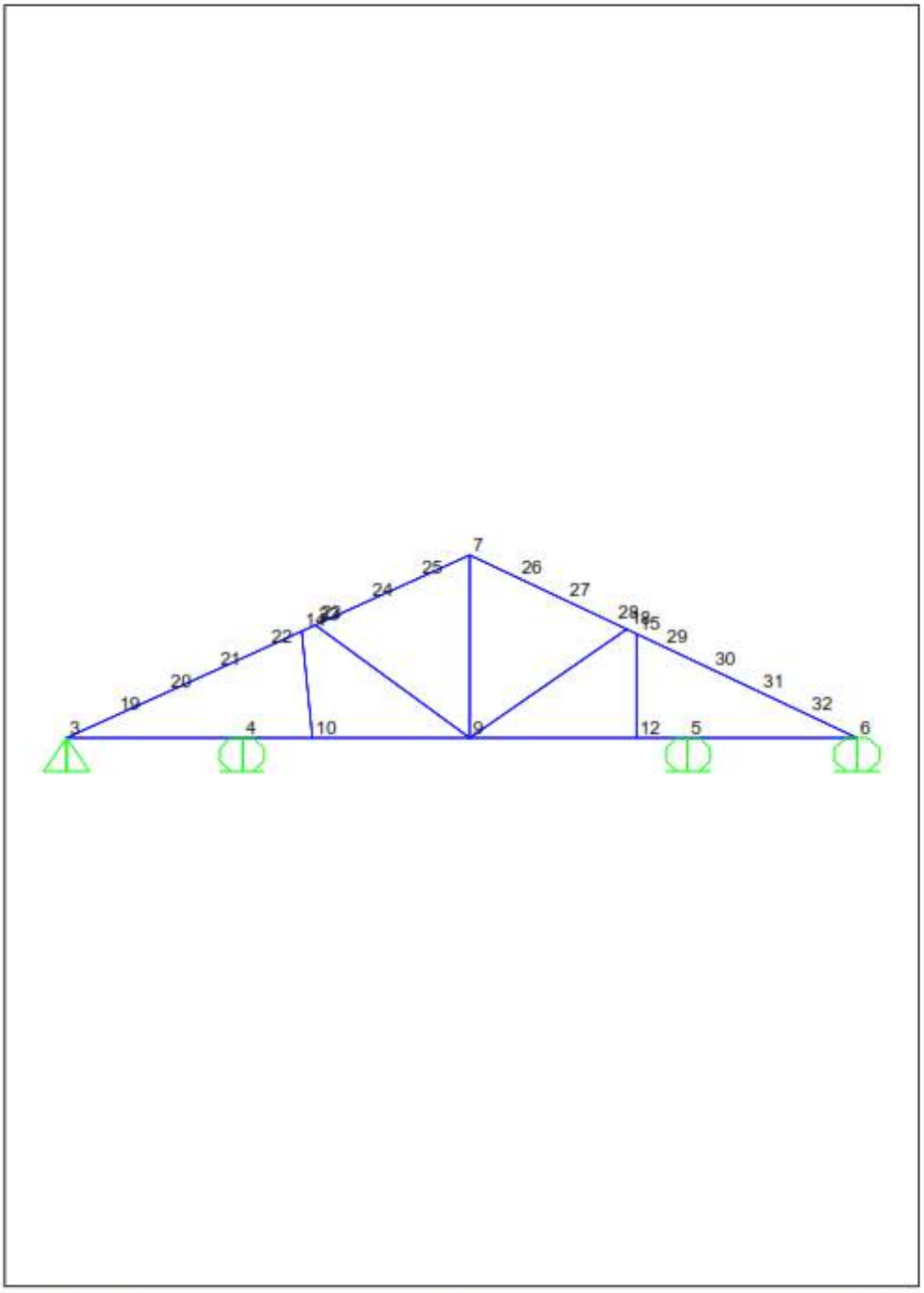
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 3.sdb



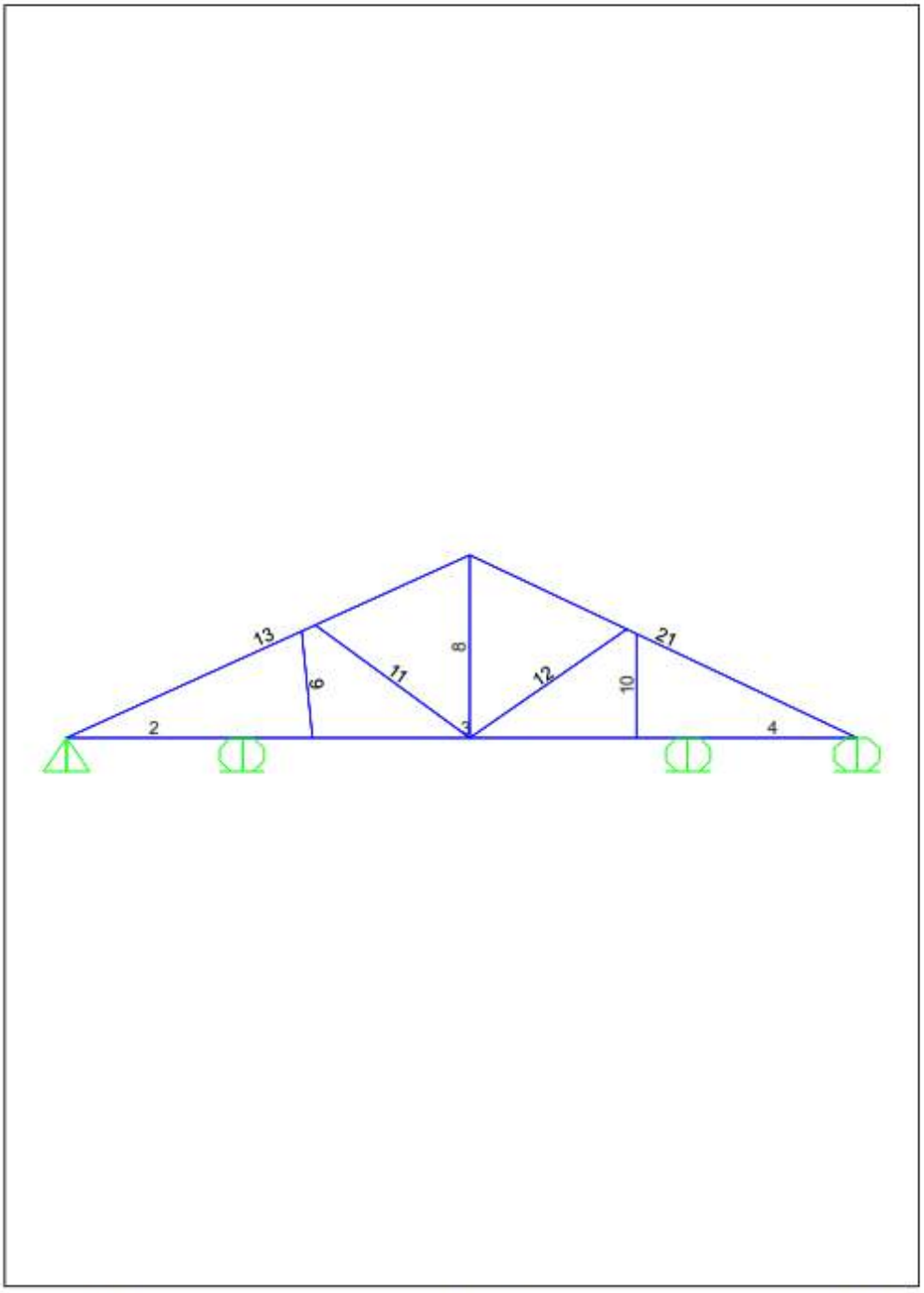
SAP2000 18.2.0 Joint Restraints Kgf, m, C

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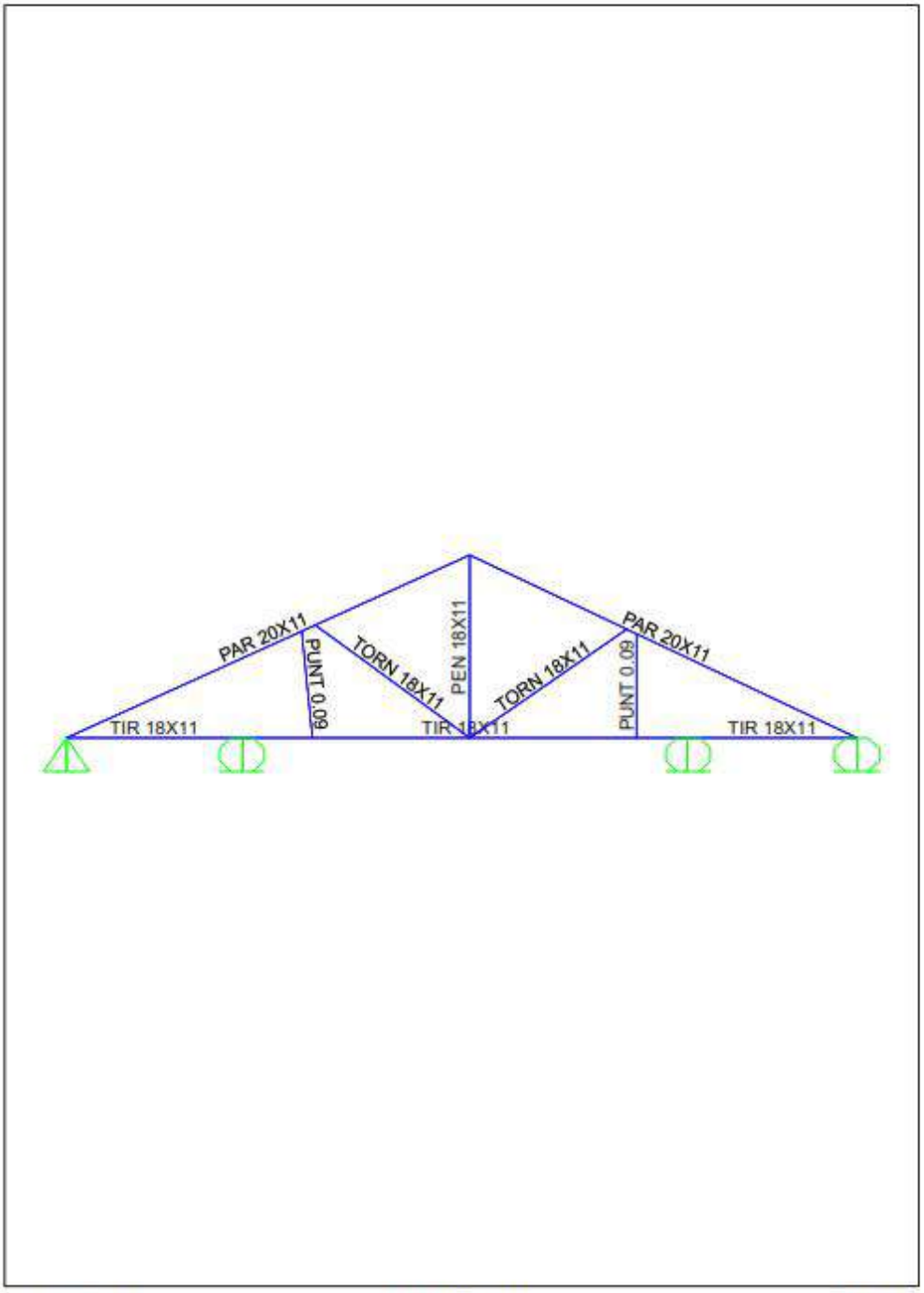
SAP2000 18.2.0 Joint Restraints Kgf, m, C

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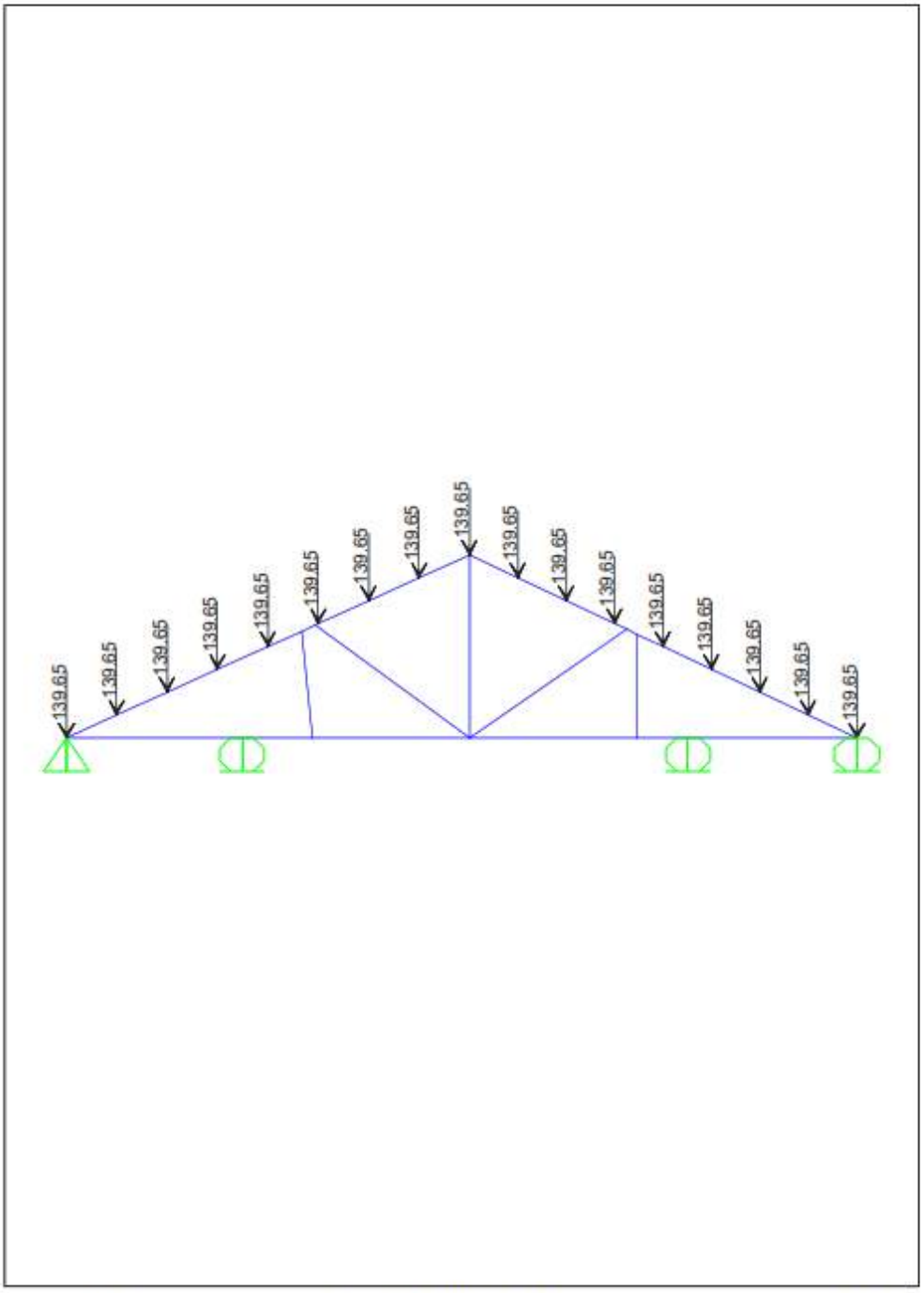
SAP2000 18.2.0 Joint Restraints Kgf, m, C

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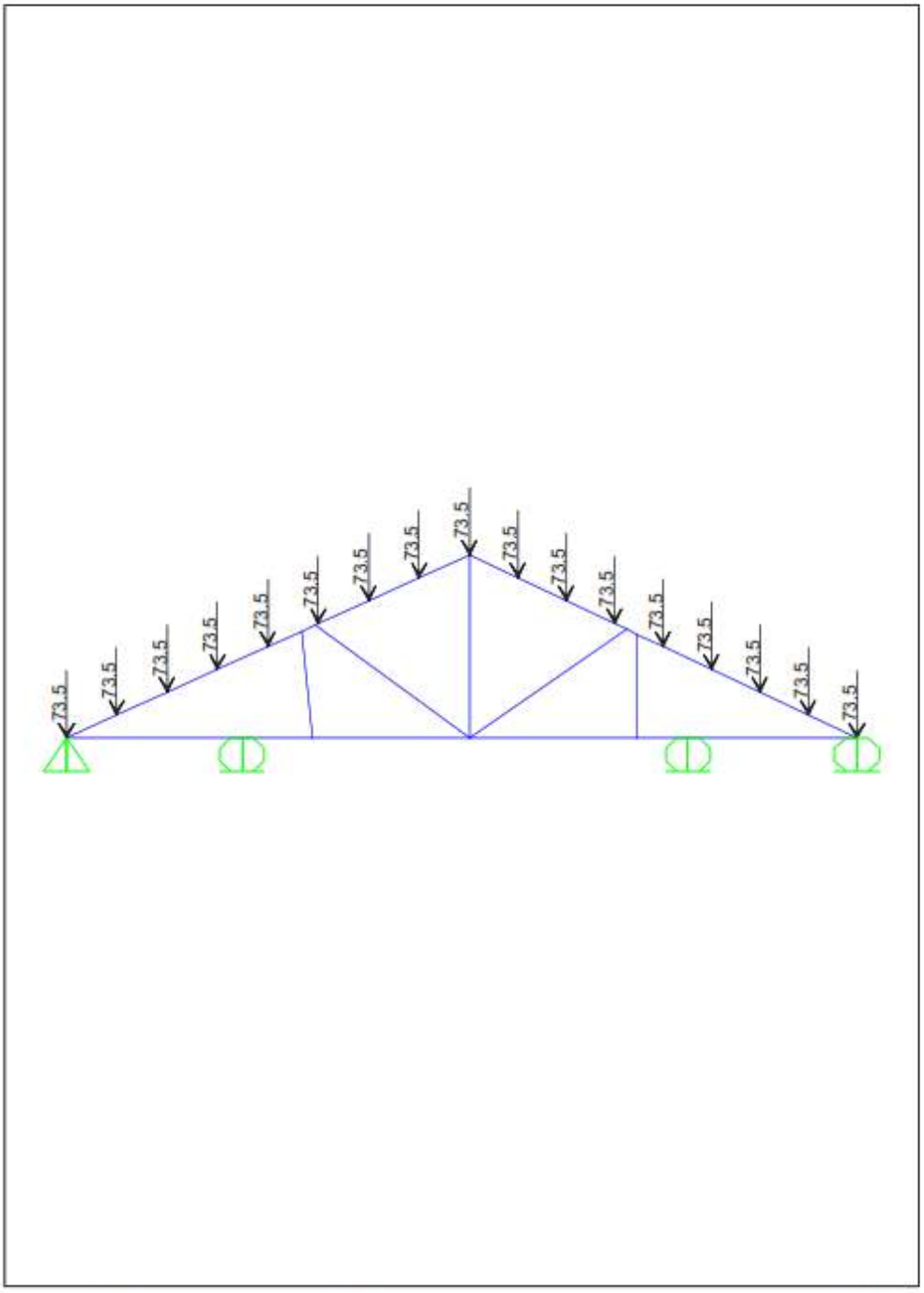
SAP2000 18.2.0 Joint Restraints Kgf, m, C

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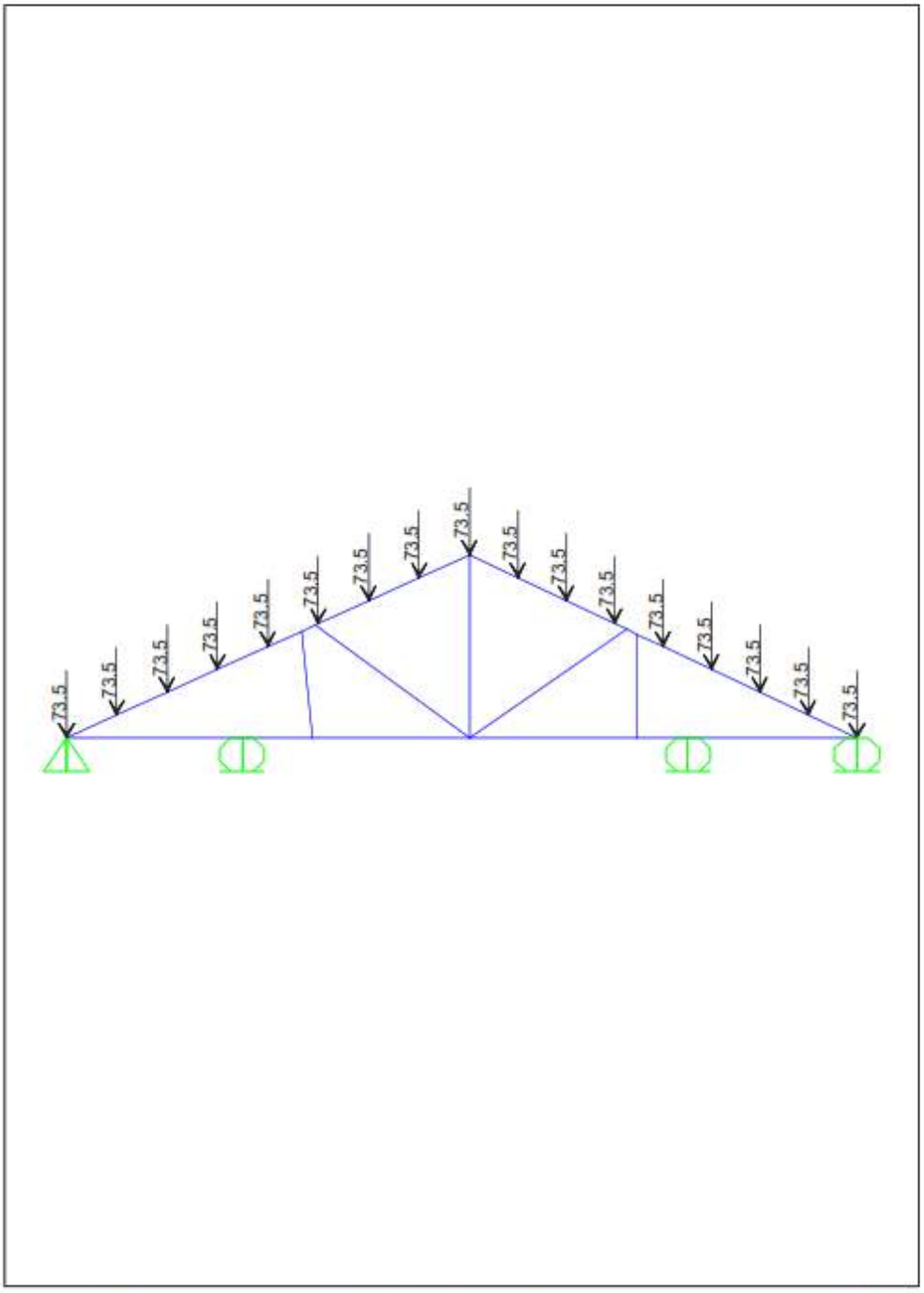
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 3.sdb



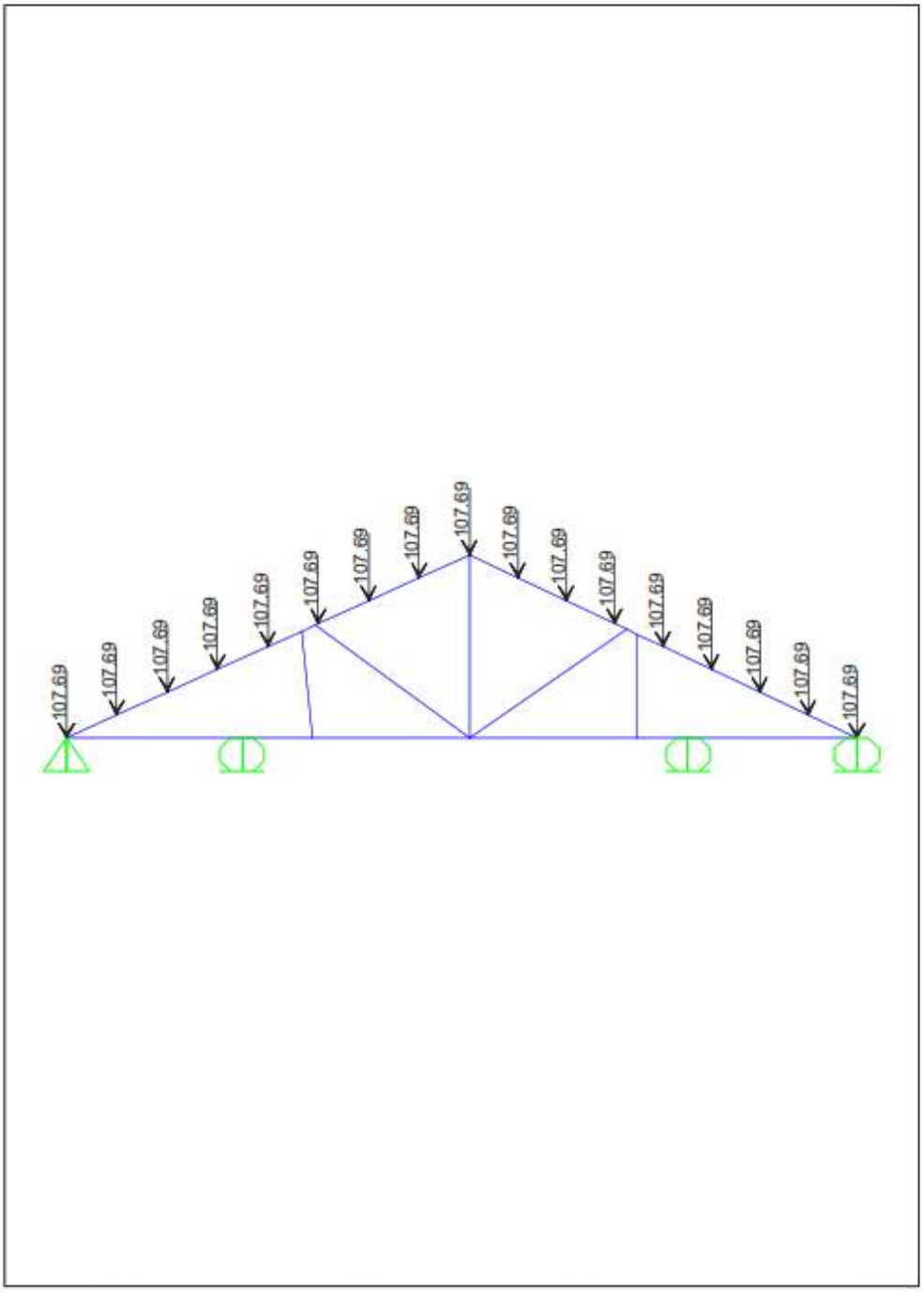
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

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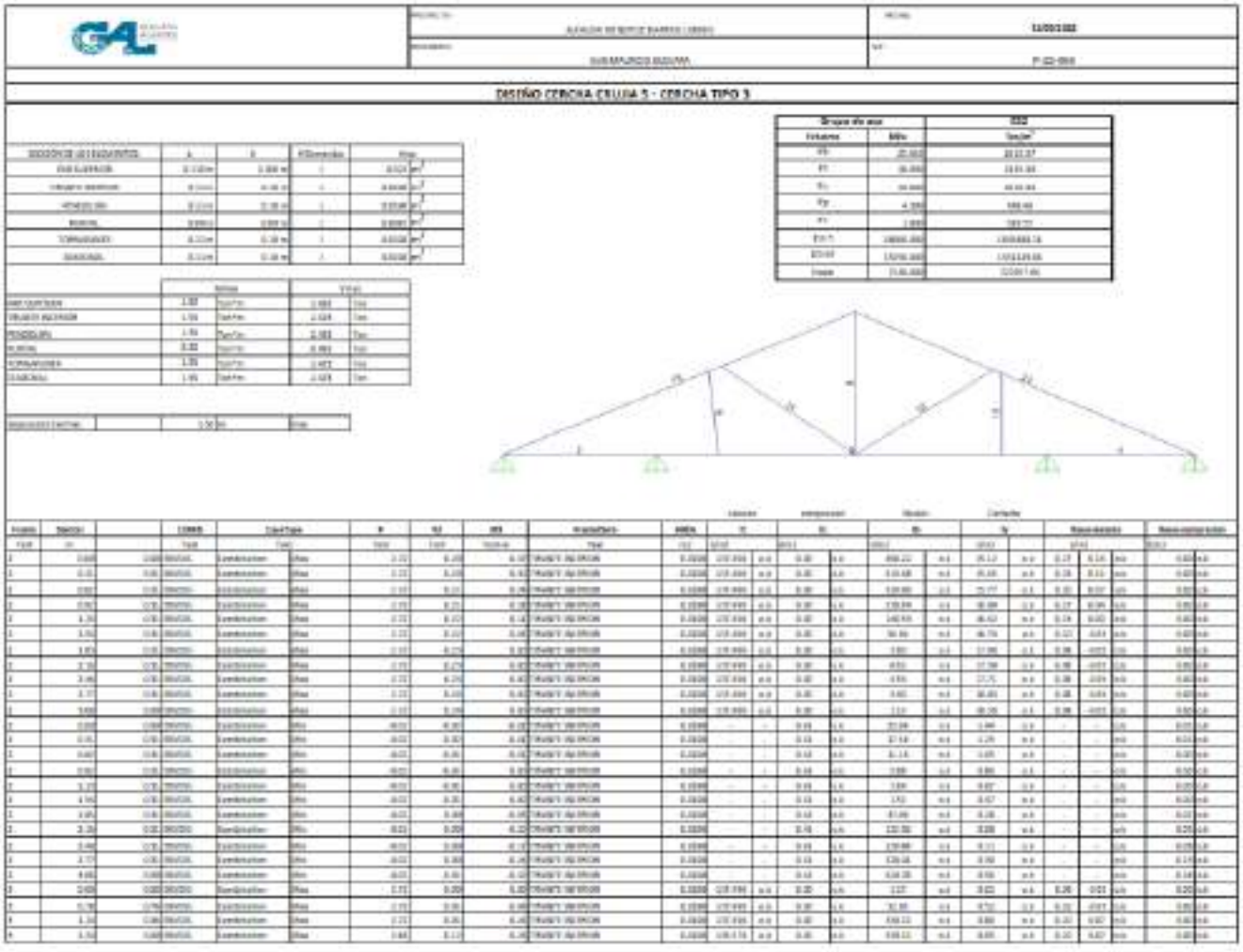
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 3.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elementos Grupo ES2



DISEÑO CERCHA CELDA 5 - CERCHA TIPO 3

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
3	1.56	0.32	ENVOIS	Combination	Max	2.66	0.12	0.20	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	276.38	o.k	9.39	o.k	0.18	0.05	o.k	0.00	o.k
3	2.35	0.78	ENVOIS	Combination	Max	2.66	0.13	0.10	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	158.52	o.k	10.20	o.k	0.13	0.00	o.k	0.00	o.k
3	3.13	0.78	ENVOIS	Combination	Max	2.66	0.15	0.00	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	2.09	o.k	11.02	o.k	0.07	-0.05	o.k	0.00	o.k
3	3.91	0.78	ENVOIS	Combination	Max	2.66	0.16	0.00	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	5.55	o.k	11.85	o.k	0.08	-0.05	o.k	0.00	o.k
3	3.98	0.07	ENVOIS	Combination	Max	2.66	0.16	0.00	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	6.57	o.k	11.92	o.k	0.08	-0.05	o.k	0.00	o.k
3	3.98	0.00	ENVOIS	Combination	Max	2.51	-0.01	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	6.57	o.k	0.89	o.k	0.07	-0.05	o.k	0.00	o.k
3	4.69	0.71	ENVOIS	Combination	Max	2.51	-0.01	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	1.92	o.k	0.44	o.k	0.07	-0.05	o.k	0.00	o.k
3	5.47	0.78	ENVOIS	Combination	Max	2.51	0.00	0.08	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	104.86	o.k	0.05	o.k	0.11	-0.01	o.k	0.00	o.k
3	6.26	0.78	ENVOIS	Combination	Max	2.51	0.01	0.18	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	240.72	o.k	0.55	o.k	0.16	0.04	o.k	0.00	o.k
3	6.91	0.65	ENVOIS	Combination	Max	2.51	0.01	0.25	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	345.48	o.k	0.96	o.k	0.20	0.08	o.k	0.00	o.k
3	6.91	0.00	ENVOIS	Combination	Max	2.51	0.65	0.25	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	345.48	o.k	49.40	o.k	0.20	0.08	o.k	0.00	o.k
3	7.04	0.13	ENVOIS	Combination	Max	2.51	0.65	0.17	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	251.50	o.k	49.53	o.k	0.16	0.04	o.k	0.00	o.k
3	7.82	0.00	ENVOIS	Combination	Max	2.51	0.66	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	0.74	o.k	50.36	o.k	0.07	-0.05	o.k	0.00	o.k
3	0.00	0.00	ENVOIS	Combination	Min	-0.01	-0.46	-0.32	TIRANTE INFERIOR	0.0198	-	-	0.41	o.k	429.78	o.k	34.70	o.k	-	-	o.k	0.16	o.k
3	0.78	0.78	ENVOIS	Combination	Min	-0.01	-0.45	0.00	TIRANTE INFERIOR	0.0198	-	-	0.41	o.k	2.63	o.k	33.88	o.k	-	-	o.k	0.00	o.k
3	1.24	0.46	ENVOIS	Combination	Min	-0.01	-0.44	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.41	o.k	8.09	o.k	33.39	o.k	-	-	o.k	0.00	o.k
3	1.24	0.00	ENVOIS	Combination	Min	-0.01	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	8.09	o.k	0.89	o.k	-	-	o.k	0.00	o.k
3	1.56	0.32	ENVOIS	Combination	Min	-0.01	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	3.46	o.k	0.69	o.k	-	-	o.k	0.00	o.k
3	2.35	0.78	ENVOIS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	2.77	o.k	0.20	o.k	-	-	o.k	0.00	o.k
3	3.13	0.78	ENVOIS	Combination	Min	-0.01	0.00	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	10.90	o.k	0.30	o.k	-	-	o.k	0.00	o.k
3	3.91	0.78	ENVOIS	Combination	Min	-0.01	0.01	-0.13	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	171.87	o.k	0.79	o.k	-	-	o.k	0.07	o.k
3	3.98	0.07	ENVOIS	Combination	Min	-0.01	0.01	-0.14	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	186.85	o.k	0.83	o.k	-	-	o.k	0.07	o.k
3	3.98	0.00	ENVOIS	Combination	Min	-0.01	-0.15	-0.14	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	186.85	o.k	11.63	o.k	-	-	o.k	0.07	o.k
3	4.69	0.71	ENVOIS	Combination	Min	-0.01	-0.14	-0.05	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	42.56	o.k	10.89	o.k	-	-	o.k	0.02	o.k
3	5.47	0.78	ENVOIS	Combination	Min	-0.01	-0.13	0.00	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	4.61	o.k	10.06	o.k	-	-	o.k	0.00	o.k
3	6.26	0.78	ENVOIS	Combination	Min	-0.01	-0.12	0.00	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	0.37	o.k	9.24	o.k	-	-	o.k	0.00	o.k
3	6.91	0.65	ENVOIS	Combination	Min	-0.01	-0.11	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	8.50	o.k	8.55	o.k	-	-	o.k	0.00	o.k
3	6.91	0.00	ENVOIS	Combination	Min	-0.01	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	8.50	o.k	0.85	o.k	-	-	o.k	0.00	o.k
3	7.04	0.13	ENVOIS	Combination	Min	-0.01	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	6.63	o.k	0.77	o.k	-	-	o.k	0.00	o.k
3	7.82	0.00	ENVOIS	Combination	Min	-0.01	0.00	-0.35	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	471.50	o.k	0.28	o.k	-	-	o.k	0.18	o.k
4	0.00	0.00	ENVOIS	Combination	Max	2.51	-0.01	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	0.74	o.k	0.50	o.k	0.07	-0.05	o.k	0.00	o.k
4	0.30	0.30	ENVOIS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	2.89	o.k	0.31	o.k	0.07	-0.05	o.k	0.00	o.k
4	0.59	0.30	ENVOIS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	4.06	o.k	0.13	o.k	0.07	-0.05	o.k	0.00	o.k
4	0.89	0.30	ENVOIS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	4.23	o.k	0.06	o.k	0.07	-0.05	o.k	0.00	o.k
4	1.18	0.30	ENVOIS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	3.41	o.k	0.25	o.k	0.07	-0.05	o.k	0.00	o.k
4	1.48	0.30	ENVOIS	Combination	Max	2.51	0.01	0.01	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	14.75	o.k	0.43	o.k	0.07	-0.04	o.k	0.00	o.k
4	1.78	0.30	ENVOIS	Combination	Max	2.51	0.01	0.06	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	107.05	o.k	0.82	o.k	0.11	-0.01	o.k	0.00	o.k
4	2.07	0.30	ENVOIS	Combination	Max	2.51	0.01	0.14	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	197.67	o.k	0.81	o.k	0.14	0.03	o.k	0.00	o.k
4	2.37	0.30	ENVOIS	Combination	Max	2.51	0.01	0.21	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	286.64	o.k	0.99	o.k	0.18	0.06	o.k	0.00	o.k
4	2.66	0.30	ENVOIS	Combination	Max	2.51	0.02	0.27	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	373.96	o.k	1.18	o.k	0.21	0.09	o.k	0.00	o.k
4	2.96	0.00	ENVOIS	Combination	Max	2.51	0.02	0.34	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	459.61	o.k	1.36	o.k	0.24	0.13	o.k	0.00	o.k
4	0.00	0.00	ENVOIS	Combination	Min	-0.01	-0.25	-0.35	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	471.50	o.k	19.03	o.k	-	-	o.k	0.18	o.k
4	0.30	0.30	ENVOIS	Combination	Min	-0.01	-0.25	-0.27	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	370.95	o.k	18.72	o.k	-	-	o.k	0.14	o.k
4	0.59	0.30	ENVOIS	Combination	Min	-0.01	-0.24	-0.20	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	272.03	o.k	18.41	o.k	-	-	o.k	0.10	o.k
4	0.89	0.30	ENVOIS	Combination	Min	-0.01	-0.24	-0.13	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	174.78	o.k	18.10	o.k	-	-	o.k	0.07	o.k
4	1.18	0.30	ENVOIS	Combination	Min	-0.01	-0.25	-0.06	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	79.19	o.k	17.79	o.k	-	-	o.k	0.03	o.k
4	1.48	0.30	ENVOIS	Combination	Min	-0.01	-0.25	0.00	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	1.80	o.k	17.48	o.k	-	-	o.k	0.00	o.k
4	1.78	0.30	ENVOIS	Combination	Min	-0.01	-0.25	0.00	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	1.21	o.k	17.17	o.k	-	-	o.k	0.00	o.k
4	2.07	0.30	ENVOIS	Combination	Min	-0.01	-0.22	0.00	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	5.02	o.k	16.86	o.k	-	-	o.k	0.00	o.k
4	2.37	0.30	ENVOIS	Combination	Min	-0.01	-0.22	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	9.82	o.k	16.55	o.k	-	-	o.k	0.00	o.k
4	2.66	0.30	ENVOIS	Combination	Min	-0.01	-0.21	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	15.61	o.k	16.23	o.k	-	-	o.k	0.01	o.k
4	2.96	0.00	ENVOIS	Combination	Min	-0.01	-0.21	-0.02	TIRANTE INFERIOR	0.0198	-	-	0.34	o.k	22.39	o.k	15.92	o.k	-	-	o.k	0.01	o.k
8	0.00	0.00	ENVOIS	Combination	Max	1.09	0.00	0.00	PENDOLON	0.0198	55.227	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.32	0.32	ENVOIS	Combination	Max	1.10	0.00	0.00	PENDOLON	0.0198	55.455	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.64	0.32	ENVOIS	Combination	Max	1.10	0.00	0.00	PENDOLON	0.0198	55.677	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.96	0.32	ENVOIS	Combination	Max	1.11	0.00	0.00	PENDOLON	0.0198	55.904	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.28	0.32	ENVOIS	Combination	Max	1.11	0.00	0.00	PENDOLON	0.0198	56.126	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.61	0.32	ENVOIS	Combination	Max	1.12	0.00	0.00	PENDOLON	0.0198	56.354	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	1.95	0.32	ENVOIS	Combination	Max	1.12	0.00	0.00	PENDOLON	0.0198	56.576	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	2.25	0.32	ENVOIS	Combination	Max	1.12	0.00	0.00	PENDOLON	0.0198	56.798	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	2.57	0.32	ENVOIS	Combination	Max	1.13	0.00	0.00	PENDOLON	0.0198	57.025	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
8	2.89	0.32	ENVOIS	Combination	Max	1.15	0.00	0.00	PENDOLON	0.0198	57.247	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	3.21	0.00	ENVOIS	Combination	Max	1.14	0.00	0.00	PENDOLON	0.0198	57.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.03	-0.02	o.k	0.00	o.k
8	0.00	0.00	ENVOIS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0198	1.192	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.32	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.328	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.64	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.465	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.96	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.601	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.28	0.32	ENVOIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.732	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.61	0.32	ENVOIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	1.869	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.93	0.32	ENVOIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.005	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	2.25	0.32	ENVOIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.136	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	2.57	0.32	ENVOIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.273	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	2.89	0.32	ENVOIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.409	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	3.21	0.00	ENVOIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.540	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.790	o.k	0.00	o.k	0.00	-	0.06	o.k	0.00	0.00	o.k	0.00	o.k
9	0.19	0.19	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.864	o.k	0.00	o.k	0.13	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
9	0.38	0.19	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.951	o.k	0.00	o.k	0.23	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
9	0.57	0.19	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	3.025	o.k	0.00	o.k	0.30	o.k	0.02	o.k	0.00	0.00	o.k	0.00	o.k
9	0.75	0.19	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.099	o.k	0.00	o.k	0.34	o.k	0.01	o.k	0.00	0.00	o.k	0.00	o.k
9	0.94	0.19	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.185	o.k	0.00	o.k	0.35	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.13	0.19	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.259	o.k	0.00	o.k	0.34	o.k	0.02	o.k	0.00	0.00	o.k	0.00	o.k
9	1.32	0.19	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.346	o.k	0.00	o.k	0.30	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
9	1.51	0.19	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.420	o.k	0.00	o.k	0.23	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
9	1.70	0.19	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.494	o.k	0.00	o.k	0.13	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
9	1.89	0.00	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.580	o.k	0.00	o.k	0.00	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.52	o.k	0.00	-	0.10	o.k	-	-	o.k	0.00	o.k
9	0.19	0.19	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.40	o.k	0.08	o.k	0.08	o.k	-	-	o.k	0.00	o.k
9	0.38	0.19	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.26	o.k	0.14	o.k	0.06	o.k	-	-	o.k	0.00	o.k
9	0.57	0.19	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.12	o.k	0.18	o.k	0.04	o.k	-	-	o.k	0.00	o.k
9	0.75	0.19	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.00	o.k	0.20	o.k	0.02	o.k	-	-	o.k	0.00	o.k
9	0.94	0.19	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	68.86	o.k	0.22	o.k	0.00	o.k	-	-	o.k	0.00	o.k
9	1.13	0.19	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	68.74	o.k	0.20	o.k	0.01	o.k	-	-	o.k	0.00	o.k
9	1.32	0.19	ENVOIS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	68.60	o.k	0.18	o.k	0.02	o.k	-	-	o.k	0.00	o.k
9	1.51	0.19	ENVOIS	Combination	Min	-0.55	0.00	0.00	PUNTAL	0.0081	-	-	68.47	o.k	0.14	o.k	0.04	o.k	-	-	o.k	0.00	o.k
9	1.70	0.19	ENVOIS	Combination	Min	-0.55	0.00	0.00	PUNTAL	0.0081	-	-	68.35	o.k	0.08	o.k	0.05	o.k	-	-	o.k	0.00	o.k
9	1.89	0.00	ENVOIS	Combination	Min	-0.55	0.00	0.00	PUNTAL	0.0081	-	-	68.21	o.k	0.00	o.k	0.06	o.k	-	-	o.k	0.00	o.k
10	0.00	0.00	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.951	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.18	0.18	ENVOIS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	3.025	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.37	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.55	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.185	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.75	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.259	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.91	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.333	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.10	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.407	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.28	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.481	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.46	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.568	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.64	0.18	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.642	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.85	0.00	ENVOIS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.716	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.00	0.00	ENVOIS	Combination	Min	-0.77	0.00	0.00	PUNTAL	0.0081	-	-	94.44	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.18	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	94.32	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.37	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	94.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.55	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	94.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.75	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.91	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.10	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.28	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.54	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.46	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.42	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.64	0.18	ENVOIS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.30	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.85	0.00	ENVOIS	Combination	Min	-0.75	0.00	0.00	PUNTAL	0.0081	-	-	93.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
11	0.00	0.00	ENVOIS	Combination	Max	0.03	-0.01	0.00	TORNAPUNTA	0.0198	1.566	o.k	0.00	o.k	0.00	-	0.85	o.k	0.00	0.00	o.k	0.00	o.k
11	0.33	0.33	ENVOIS	Combination	Max	0.03	-0.01	0.01	TORNAPUNTA	0.0198	1.480	o.k	0.00	o.k	7.86	o.k	0.88	o.k	0.00	0.00	o.k	0.00	o.k
11	0.67	0.33	ENVOIS	Combination	Max	0.03	-0.01	0.01	TORNAPUNTA	0.0198	1.394	o.k	0.00	o.k	15.62	o.k	0.51	o.k	0.01	0.00	o.k	0.00	o.k
11	1.00	0.33	ENVOIS	Combination	Max	0.03	0.00	0.01	TORNAPUNTA	0.0198	1.313	o.k	0.00	o.k	17.88	o.k	0.34	o.k	0.01	0.01	o.k	0.00	o.k

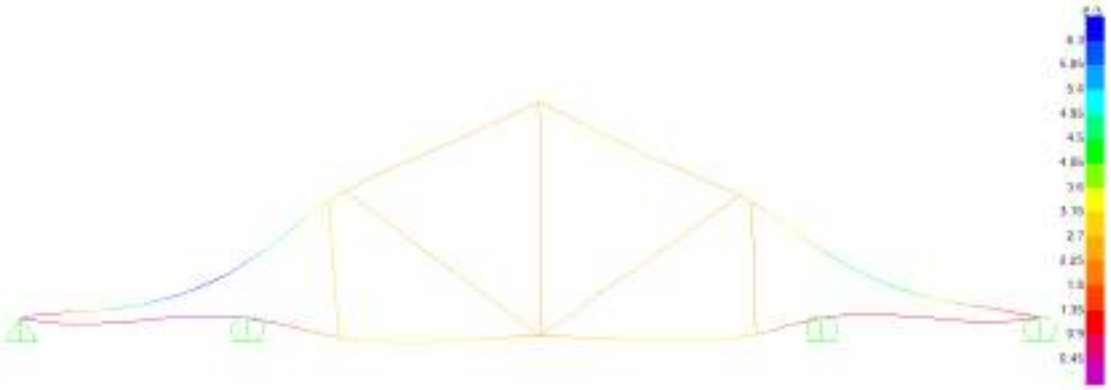
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	1.34	0.33	ENVIOS	Combination	Max	0.02	0.00	0.01	TORNAPUNTA	0.0198	1.227	o.k	0.00	o.k	20.44	o.k	0.17	o.k	0.01	0.01	o.k	0.00	o.k
11	1.67	0.33	ENVIOS	Combination	Max	0.02	0.00	0.02	TORNAPUNTA	0.0198	1.146	o.k	0.00	o.k	21.29	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
11	2.01	0.33	ENVIOS	Combination	Max	0.02	0.00	0.01	TORNAPUNTA	0.0198	1.061	o.k	0.00	o.k	20.44	o.k	0.28	o.k	0.01	0.01	o.k	0.00	o.k
11	2.34	0.33	ENVIOS	Combination	Max	0.02	0.01	0.01	TORNAPUNTA	0.0198	0.980	o.k	0.00	o.k	17.88	o.k	0.57	o.k	0.01	0.01	o.k	0.00	o.k
11	2.68	0.33	ENVIOS	Combination	Max	0.02	0.01	0.01	TORNAPUNTA	0.0198	0.894	o.k	0.00	o.k	13.62	o.k	0.85	o.k	0.01	0.00	o.k	0.00	o.k
11	3.01	0.33	ENVIOS	Combination	Max	0.02	0.01	0.01	TORNAPUNTA	0.0198	0.813	o.k	0.00	o.k	7.66	o.k	1.13	o.k	0.00	0.00	o.k	0.00	o.k
11	3.35	0.00	ENVIOS	Combination	Max	0.01	0.02	0.00	TORNAPUNTA	0.0198	0.727	o.k	0.00	o.k	0.00	o.k	1.42	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVIOS	Combination	Min	-0.72	-0.02	0.00	TORNAPUNTA	0.0198	-	-	36.33	o.k	0.00	-	1.42	o.k	-	-	o.k	0.00	o.k
11	0.33	0.33	ENVIOS	Combination	Min	-0.72	-0.01	0.00	TORNAPUNTA	0.0198	-	-	36.47	o.k	4.60	o.k	1.13	o.k	-	-	o.k	0.00	o.k
11	0.67	0.33	ENVIOS	Combination	Min	-0.72	-0.01	0.01	TORNAPUNTA	0.0198	-	-	36.61	o.k	8.17	o.k	0.85	o.k	-	-	o.k	0.00	o.k
11	1.00	0.33	ENVIOS	Combination	Min	-0.73	-0.01	0.01	TORNAPUNTA	0.0198	-	-	36.75	o.k	10.73	o.k	0.57	o.k	-	-	o.k	0.00	o.k
11	1.34	0.33	ENVIOS	Combination	Min	-0.73	0.00	0.01	TORNAPUNTA	0.0198	-	-	36.89	o.k	12.26	o.k	0.28	o.k	-	-	o.k	0.01	o.k
11	1.67	0.33	ENVIOS	Combination	Min	-0.73	0.00	0.01	TORNAPUNTA	0.0198	-	-	37.03	o.k	12.78	o.k	0.00	o.k	-	-	o.k	0.01	o.k
11	2.01	0.33	ENVIOS	Combination	Min	-0.74	0.00	0.01	TORNAPUNTA	0.0198	-	-	37.17	o.k	12.26	o.k	0.17	o.k	-	-	o.k	0.01	o.k
11	2.34	0.33	ENVIOS	Combination	Min	-0.74	0.00	0.01	TORNAPUNTA	0.0198	-	-	37.31	o.k	10.73	o.k	0.34	o.k	-	-	o.k	0.00	o.k
11	2.68	0.33	ENVIOS	Combination	Min	-0.74	0.01	0.01	TORNAPUNTA	0.0198	-	-	37.44	o.k	8.17	o.k	0.51	o.k	-	-	o.k	0.00	o.k
11	3.01	0.33	ENVIOS	Combination	Min	-0.74	0.01	0.00	TORNAPUNTA	0.0198	-	-	37.59	o.k	4.60	o.k	0.68	o.k	-	-	o.k	0.00	o.k
11	3.35	0.00	ENVIOS	Combination	Min	-0.75	0.01	0.00	TORNAPUNTA	0.0198	-	-	37.72	o.k	0.00	o.k	0.85	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVIOS	Combination	Max	0.02	-0.01	0.00	TORNAPUNTA	0.0198	0.798	o.k	0.00	o.k	0.00	-	0.87	o.k	0.00	0.00	o.k	0.00	o.k
12	0.34	0.34	ENVIOS	Combination	Max	0.02	-0.01	0.01	TORNAPUNTA	0.0198	0.874	o.k	0.00	o.k	7.90	o.k	0.70	o.k	0.00	0.00	o.k	0.00	o.k
12	0.67	0.34	ENVIOS	Combination	Max	0.02	-0.01	0.01	TORNAPUNTA	0.0198	0.955	o.k	0.00	o.k	14.03	o.k	0.52	o.k	0.01	0.00	o.k	0.00	o.k
12	1.01	0.34	ENVIOS	Combination	Max	0.02	0.00	0.01	TORNAPUNTA	0.0198	1.035	o.k	0.00	o.k	18.41	o.k	0.35	o.k	0.01	0.01	o.k	0.00	o.k
12	1.34	0.34	ENVIOS	Combination	Max	0.02	0.00	0.02	TORNAPUNTA	0.0198	1.116	o.k	0.00	o.k	21.04	o.k	0.17	o.k	0.01	0.01	o.k	0.00	o.k
12	1.68	0.34	ENVIOS	Combination	Max	0.02	0.00	0.02	TORNAPUNTA	0.0198	1.197	o.k	0.00	o.k	21.91	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
12	2.01	0.34	ENVIOS	Combination	Max	0.03	0.00	0.02	TORNAPUNTA	0.0198	1.278	o.k	0.00	o.k	21.04	o.k	0.29	o.k	0.01	0.01	o.k	0.00	o.k
12	2.35	0.34	ENVIOS	Combination	Max	0.03	0.01	0.01	TORNAPUNTA	0.0198	1.359	o.k	0.00	o.k	18.41	o.k	0.58	o.k	0.01	0.01	o.k	0.00	o.k
12	2.69	0.34	ENVIOS	Combination	Max	0.03	0.01	0.01	TORNAPUNTA	0.0198	1.434	o.k	0.00	o.k	14.03	o.k	0.87	o.k	0.01	0.00	o.k	0.00	o.k
12	3.02	0.34	ENVIOS	Combination	Max	0.03	0.02	0.01	TORNAPUNTA	0.0198	1.515	o.k	0.00	o.k	7.90	o.k	1.16	o.k	0.00	0.00	o.k	0.00	o.k
12	3.36	0.00	ENVIOS	Combination	Max	0.03	0.02	0.00	TORNAPUNTA	0.0198	1.596	o.k	0.00	o.k	0.00	o.k	1.45	o.k	0.00	0.00	o.k	0.00	o.k
12	0.00	0.00	ENVIOS	Combination	Min	-0.54	-0.02	0.00	TORNAPUNTA	0.0198	-	-	27.46	o.k	0.00	-	1.45	o.k	-	-	o.k	0.00	o.k
12	0.34	0.34	ENVIOS	Combination	Min	-0.54	-0.02	0.00	TORNAPUNTA	0.0198	-	-	27.33	o.k	4.73	o.k	1.16	o.k	-	-	o.k	0.00	o.k
12	0.67	0.34	ENVIOS	Combination	Min	-0.54	-0.01	0.01	TORNAPUNTA	0.0198	-	-	27.19	o.k	8.41	o.k	0.87	o.k	-	-	o.k	0.00	o.k
12	1.01	0.34	ENVIOS	Combination	Min	-0.54	-0.01	0.01	TORNAPUNTA	0.0198	-	-	27.06	o.k	11.05	o.k	0.58	o.k	-	-	o.k	0.00	o.k
12	1.34	0.34	ENVIOS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.93	o.k	12.63	o.k	0.29	o.k	-	-	o.k	0.01	o.k
12	1.68	0.34	ENVIOS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.79	o.k	13.15	o.k	0.00	o.k	-	-	o.k	0.01	o.k
12	2.01	0.34	ENVIOS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.66	o.k	12.63	o.k	0.17	o.k	-	-	o.k	0.01	o.k
12	2.35	0.34	ENVIOS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.53	o.k	11.05	o.k	0.35	o.k	-	-	o.k	0.00	o.k
12	2.69	0.34	ENVIOS	Combination	Min	-0.52	0.01	0.01	TORNAPUNTA	0.0198	-	-	26.39	o.k	8.41	o.k	0.52	o.k	-	-	o.k	0.00	o.k
12	3.02	0.34	ENVIOS	Combination	Min	-0.52	0.01	0.00	TORNAPUNTA	0.0198	-	-	26.26	o.k	4.73	o.k	0.70	o.k	-	-	o.k	0.00	o.k
12	3.36	0.00	ENVIOS	Combination	Min	-0.52	0.01	0.00	TORNAPUNTA	0.0198	-	-	26.13	o.k	0.00	o.k	0.87	o.k	-	-	o.k	0.00	o.k
13	0.00	0.00	ENVIOS	Combination	Max	0.02	0.02	0.02	PAR SUPERIOR	0.0220	0.855	o.k	0.00	o.k	25.04	o.k	1.47	o.k	0.01	0.01	o.k	0.00	o.k
13	0.78	0.78	ENVIOS	Combination	Max	0.02	0.05	0.02	PAR SUPERIOR	0.0220	0.991	o.k	0.00	o.k	33.75	o.k	1.91	o.k	0.01	0.01	o.k	0.00	o.k
13	0.97	0.19	ENVIOS	Combination	Max	0.02	0.05	0.12	PAR SUPERIOR	0.0220	1.023	o.k	0.00	o.k	164.95	o.k	2.02	o.k	0.06	0.06	o.k	0.00	o.k
13	0.97	0.00	ENVIOS	Combination	Max	0.01	0.01	0.12	PAR SUPERIOR	0.0220	0.573	o.k	0.00	o.k	164.95	o.k	0.54	o.k	0.06	0.06	o.k	0.00	o.k
13	1.55	0.58	ENVIOS	Combination	Max	0.01	0.01	0.26	PAR SUPERIOR	0.0220	0.677	o.k	0.00	o.k	355.27	o.k	0.87	o.k	0.14	0.14	o.k	0.00	o.k
13	1.94	0.39	ENVIOS	Combination	Max	0.02	0.02	0.35	PAR SUPERIOR	0.0220	0.741	o.k	0.00	o.k	478.57	o.k	1.09	o.k	0.18	0.18	o.k	0.00	o.k
13	1.94	0.00	ENVIOS	Combination	Max	0.01	0.02	0.35	PAR SUPERIOR	0.0220	0.295	o.k	0.00	o.k	478.57	o.k	1.39	o.k	0.18	0.18	o.k	0.00	o.k
13	2.33	0.39	ENVIOS	Combination	Max	0.01	0.03	0.34	PAR SUPERIOR	0.0220	0.359	o.k	0.00	o.k	466.34	o.k	1.76	o.k	0.18	0.18	o.k	0.00	o.k
13	2.91	0.58	ENVIOS	Combination	Max	0.01	0.03	0.32	PAR SUPERIOR	0.0220	0.464	o.k	0.00	o.k	442.62	o.k	2.32	o.k	0.17	0.17	o.k	0.00	o.k
13	2.91	0.00	ENVIOS	Combination	Max	0.00	0.28	0.32	PAR SUPERIOR	0.0220	0.012	o.k	0.00	o.k	442.62	o.k	19.42	o.k	0.17	0.17	o.k	0.00	o.k
13	3.10	0.19	ENVIOS	Combination	Max	0.00	0.29	0.27	PAR SUPERIOR	0.0220	0.045	o.k	0.00	o.k	366.95	o.k	19.60	o.k	0.14	0.14	o.k	0.00	o.k
13	3.88	0.78	ENVIOS	Combination	Max	0.00	0.50	0.04	PAR SUPERIOR	0.0220	0.182	o.k	0.00	o.k	57.12	o.k	20.35	o.k	0.02	0.02	o.k	0.00	o.k
13	3.88	0.00	ENVIOS	Combination	Max	-0.01	0.55	0.04	PAR SUPERIOR	0.0220	-	-	0.27	o.k	57.12	o.k	37.45	o.k	-	-	o.k	0.02	o.k
13	4.53	0.65	ENVIOS	Combination	Max	0.00	0.56	0.02	PAR SUPERIOR	0.0220	-	-	0.15	o.k	24.71	o.k	58.07	o.k	-	-	o.k	0.01	o.k
13	4.53	0.00	ENVIOS	Combination	Max	0.01	0.03	0.02	PAR SUPERIOR	0.0220	0.277	o.k	0.00	o.k	24.71	o.k	2.34	o.k	0.01	0.01	o.k	0.00	o.k
13	4.65	0.12	ENVIOS	Combination	Max	0.01	0.04	0.02	PAR SUPERIOR	0.0220	0.300	o.k	0.00	o.k	24.64	o.k	2.45	o.k	0.01	0.01	o.k	0.00	o.k
13	4.80	0.14	ENVIOS	Combination	Max	0.01	0.04	0.02	PAR SUPERIOR	0.0220	0.323	o.k	0.00	o.k	24.54	o.k	2.60	o.k	0.01	0.01	o.k	0.00	o.k
13	4.80	0.00	ENVIOS	Combination	Max	0.00	0.05	0.02	PAR SUPERIOR	0.0220	0.082	o.k	0.00	o.k	24.54	o.k	2.36	o.k	0.01	0.01	o.k	0.00	o.k
13	4.85	0.05	ENVIOS	Combination	Max	0.00	0.04	0.02	PAR SUPERIOR	0.0220	0.091	o.k	0.00	o.k	21.95	o.k	2.39	o.k	0.01	0.01	o.k	0.00	o.k
13	4.85	0.00	ENVIOS	Combination	Max	-0.01	0.01	0.02	PAR SUPERIOR	0.0220	-	-	0.36	o.k	21.95	o.k	0.91	o.k	-	-	o.k	0.01	o.k
13	5.45	0.58	ENVIOS	Combination	Max	-0.01	0.02	0.01	PAR SUPERIOR	0.0220	-	-	0.26	o.k	9.45	o.k	1.24	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
13	5.82	0.39	ENVOIS	Combination	Max	0.00	0.02	0.01	PAR SUPERIOR	0.0220	-	-	0.19	o.k	16.84	o.k	1.47	o.k	-	-	o.k	0.01	o.k
13	5.82	0.00	ENVOIS	Combination	Max	-0.01	0.00	0.01	PAR SUPERIOR	0.0220	-	-	0.64	o.k	16.84	o.k	0.02	o.k	-	-	o.k	0.01	o.k
13	6.20	0.39	ENVOIS	Combination	Max	-0.01	0.00	0.04	PAR SUPERIOR	0.0220	-	-	0.57	o.k	49.87	o.k	0.20	o.k	-	-	o.k	0.02	o.k
13	6.79	0.58	ENVOIS	Combination	Max	-0.01	0.01	0.07	PAR SUPERIOR	0.0220	-	-	0.47	o.k	94.02	o.k	0.54	o.k	-	-	o.k	0.04	o.k
13	6.79	0.00	ENVOIS	Combination	Max	-0.02	0.20	0.07	PAR SUPERIOR	0.0220	-	-	0.92	o.k	94.02	o.k	13.58	o.k	-	-	o.k	0.04	o.k
13	6.98	0.19	ENVOIS	Combination	Max	-0.02	0.20	0.05	PAR SUPERIOR	0.0220	-	-	0.89	o.k	40.98	o.k	13.77	o.k	-	-	o.k	0.02	o.k
13	7.76	0.00	ENVOIS	Combination	Max	-0.02	0.21	0.01	PAR SUPERIOR	0.0220	-	-	0.75	o.k	6.94	o.k	14.51	o.k	-	-	o.k	0.00	o.k
13	0.00	0.00	ENVOIS	Combination	Min	-5.22	-0.51	-0.37	PAR SUPERIOR	0.0220	-	-	146.44	o.k	498.22	o.k	34.67	o.k	-	-	o.k	0.20	o.k
13	0.78	0.78	ENVOIS	Combination	Min	-5.22	-0.50	0.00	PAR SUPERIOR	0.0220	-	-	146.21	o.k	1.13	o.k	33.93	o.k	-	-	o.k	0.01	o.k
13	0.97	0.19	ENVOIS	Combination	Min	-5.22	-0.49	-0.01	PAR SUPERIOR	0.0220	-	-	146.16	o.k	8.74	o.k	33.74	o.k	-	-	o.k	0.01	o.k
13	0.97	0.00	ENVOIS	Combination	Min	-5.10	-0.24	-0.01	PAR SUPERIOR	0.0220	-	-	140.98	o.k	8.74	o.k	16.64	o.k	-	-	o.k	0.01	o.k
13	1.55	0.58	ENVOIS	Combination	Min	-5.10	-0.24	-0.01	PAR SUPERIOR	0.0220	-	-	140.80	o.k	16.94	o.k	16.08	o.k	-	-	o.k	0.01	o.k
13	1.94	0.39	ENVOIS	Combination	Min	-5.10	-0.23	-0.02	PAR SUPERIOR	0.0220	-	-	140.70	o.k	24.55	o.k	15.71	o.k	-	-	o.k	0.01	o.k
13	1.94	0.00	ENVOIS	Combination	Min	-2.98	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	135.51	o.k	24.55	o.k	0.39	o.k	-	-	o.k	0.01	o.k
13	2.33	0.39	ENVOIS	Combination	Min	-2.98	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	135.40	o.k	22.38	o.k	0.17	o.k	-	-	o.k	0.01	o.k
13	2.91	0.58	ENVOIS	Combination	Min	-2.98	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	135.23	o.k	22.38	o.k	0.16	o.k	-	-	o.k	0.01	o.k
13	2.91	0.00	ENVOIS	Combination	Min	-2.88	-0.02	-0.02	PAR SUPERIOR	0.0220	-	-	130.05	o.k	22.38	o.k	1.32	o.k	-	-	o.k	0.01	o.k
13	3.10	0.19	ENVOIS	Combination	Min	-2.88	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	129.99	o.k	17.47	o.k	1.21	o.k	-	-	o.k	0.01	o.k
13	3.88	0.78	ENVOIS	Combination	Min	-2.85	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	129.76	o.k	2.20	o.k	0.76	o.k	-	-	o.k	0.00	o.k
13	3.88	0.00	ENVOIS	Combination	Min	-2.74	-0.03	0.00	PAR SUPERIOR	0.0220	-	-	134.58	o.k	2.20	o.k	2.24	o.k	-	-	o.k	0.00	o.k
13	4.53	0.65	ENVOIS	Combination	Min	-2.74	-0.03	-0.32	PAR SUPERIOR	0.0220	-	-	134.39	o.k	456.51	o.k	1.87	o.k	-	-	o.k	0.17	o.k
13	4.53	0.00	ENVOIS	Combination	Min	-2.91	0.00	-0.32	PAR SUPERIOR	0.0220	-	-	132.34	o.k	456.51	o.k	0.01	o.k	-	-	o.k	0.17	o.k
13	4.65	0.12	ENVOIS	Combination	Min	-2.91	0.00	-0.32	PAR SUPERIOR	0.0220	-	-	132.31	o.k	442.36	o.k	0.06	o.k	-	-	o.k	0.17	o.k
13	4.80	0.14	ENVOIS	Combination	Min	-2.91	0.00	-0.33	PAR SUPERIOR	0.0220	-	-	132.26	o.k	449.63	o.k	0.15	o.k	-	-	o.k	0.18	o.k
13	4.80	0.00	ENVOIS	Combination	Min	-2.54	-0.58	-0.33	PAR SUPERIOR	0.0220	-	-	115.60	o.k	449.63	o.k	39.62	o.k	-	-	o.k	0.18	o.k
13	4.85	0.05	ENVOIS	Combination	Min	-2.54	-0.58	-0.30	PAR SUPERIOR	0.0220	-	-	115.58	o.k	409.88	o.k	39.57	o.k	-	-	o.k	0.16	o.k
13	4.85	0.00	ENVOIS	Combination	Min	-2.43	-0.33	-0.30	PAR SUPERIOR	0.0220	-	-	110.40	o.k	409.88	o.k	22.47	o.k	-	-	o.k	0.16	o.k
13	5.43	0.58	ENVOIS	Combination	Min	-2.43	-0.32	-0.11	PAR SUPERIOR	0.0220	-	-	110.23	o.k	151.89	o.k	21.91	o.k	-	-	o.k	0.06	o.k
13	5.82	0.39	ENVOIS	Combination	Min	-2.42	-0.32	0.00	PAR SUPERIOR	0.0220	-	-	110.12	o.k	1.04	o.k	21.55	o.k	-	-	o.k	0.00	o.k
13	5.82	0.00	ENVOIS	Combination	Min	-2.31	-0.07	0.00	PAR SUPERIOR	0.0220	-	-	104.93	o.k	1.04	o.k	4.45	o.k	-	-	o.k	0.00	o.k
13	6.20	0.39	ENVOIS	Combination	Min	-2.31	-0.06	0.00	PAR SUPERIOR	0.0220	-	-	104.82	o.k	1.75	o.k	4.07	o.k	-	-	o.k	0.00	o.k
13	6.79	0.58	ENVOIS	Combination	Min	-2.30	-0.05	0.00	PAR SUPERIOR	0.0220	-	-	104.65	o.k	6.04	o.k	3.52	o.k	-	-	o.k	0.01	o.k
13	6.79	0.00	ENVOIS	Combination	Min	-2.19	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	99.47	o.k	6.04	o.k	0.95	o.k	-	-	o.k	0.00	o.k
13	6.98	0.19	ENVOIS	Combination	Min	-2.19	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	99.41	o.k	2.58	o.k	0.84	o.k	-	-	o.k	0.00	o.k
13	7.76	0.00	ENVOIS	Combination	Min	-2.18	-0.01	-0.13	PAR SUPERIOR	0.0220	-	-	99.19	o.k	178.36	o.k	0.39	o.k	-	-	o.k	0.39	o.k
21	0.00	0.00	ENVOIS	Combination	Max	-0.02	0.01	0.01	PAR SUPERIOR	0.0220	-	-	0.80	o.k	6.94	o.k	0.52	o.k	-	-	o.k	0.00	o.k
21	0.75	0.75	ENVOIS	Combination	Max	-0.02	0.01	0.05	PAR SUPERIOR	0.0220	-	-	0.94	o.k	71.43	o.k	0.95	o.k	-	-	o.k	0.03	o.k
21	0.94	0.19	ENVOIS	Combination	Max	-0.02	0.02	0.10	PAR SUPERIOR	0.0220	-	-	0.97	o.k	152.20	o.k	1.05	o.k	-	-	o.k	0.05	o.k
21	0.94	0.00	ENVOIS	Combination	Max	-0.01	0.01	0.10	PAR SUPERIOR	0.0220	-	-	0.50	o.k	152.20	o.k	0.91	o.k	-	-	o.k	0.05	o.k
21	1.50	0.56	ENVOIS	Combination	Max	-0.01	0.02	0.09	PAR SUPERIOR	0.0220	-	-	0.60	o.k	118.87	o.k	1.45	o.k	-	-	o.k	0.05	o.k
21	1.88	0.38	ENVOIS	Combination	Max	-0.01	0.05	0.06	PAR SUPERIOR	0.0220	-	-	0.67	o.k	106.62	o.k	1.81	o.k	-	-	o.k	0.04	o.k
21	1.88	0.00	ENVOIS	Combination	Max	0.00	0.28	0.08	PAR SUPERIOR	0.0220	-	-	0.21	o.k	106.62	o.k	18.80	o.k	-	-	o.k	0.04	o.k
21	2.26	0.38	ENVOIS	Combination	Max	-0.01	0.28	0.00	PAR SUPERIOR	0.0220	-	-	0.28	o.k	4.49	o.k	19.15	o.k	-	-	o.k	0.00	o.k
21	2.82	0.56	ENVOIS	Combination	Max	-0.01	0.29	0.01	PAR SUPERIOR	0.0220	-	-	0.38	o.k	15.60	o.k	19.69	o.k	-	-	o.k	0.01	o.k
21	2.82	0.00	ENVOIS	Combination	Max	0.00	0.54	0.01	PAR SUPERIOR	0.0220	0.086	o.k	0.00	o.k	15.60	o.k	36.67	o.k	0.01	0.01	o.k	0.00	o.k
21	3.01	0.19	ENVOIS	Combination	Max	0.00	0.54	0.02	PAR SUPERIOR	0.0220	0.050	o.k	0.00	o.k	24.04	o.k	36.86	o.k	0.01	0.01	o.k	0.00	o.k
21	3.06	0.05	ENVOIS	Combination	Max	0.00	0.54	0.02	PAR SUPERIOR	0.0220	0.043	o.k	0.00	o.k	28.14	o.k	36.90	o.k	0.01	0.01	o.k	0.00	o.k
21	3.06	0.00	ENVOIS	Combination	Max	0.01	0.10	0.02	PAR SUPERIOR	0.0220	0.314	o.k	0.00	o.k	28.14	o.k	7.06	o.k	0.01	0.01	o.k	0.00	o.k
21	3.24	0.18	ENVOIS	Combination	Max	0.01	0.11	0.02	PAR SUPERIOR	0.0220	0.282	o.k	0.00	o.k	25.60	o.k	7.23	o.k	0.01	0.01	o.k	0.00	o.k
21	3.24	0.00	ENVOIS	Combination	Max	-0.01	0.03	0.02	PAR SUPERIOR	0.0220	-	-	0.30	o.k	25.60	o.k	2.05	o.k	-	-	o.k	0.01	o.k
21	3.76	0.52	ENVOIS	Combination	Max	-0.01	0.03	0.00	PAR SUPERIOR	0.0220	-	-	0.40	o.k	2.70	o.k	2.35	o.k	-	-	o.k	0.00	o.k
21	3.76	0.00	ENVOIS	Combination	Max	0.00	0.01	0.00	PAR SUPERIOR	0.0220	0.068	o.k	0.00	o.k	2.70	o.k	0.88	o.k	0.00	0.00	o.k	0.00	o.k
21	4.51	0.75	ENVOIS	Combination	Max	0.00	0.02	0.20	PAR SUPERIOR	0.0220	-	-	0.07	o.k	275.29	o.k	1.31	o.k	-	-	o.k	0.10	o.k
21	4.70	0.19	ENVOIS	Combination	Max	0.00	0.02	0.26	PAR SUPERIOR	0.0220	-	-	0.10	o.k	352.28	o.k	1.41	o.k	-	-	o.k	0.13	o.k
21	4.70	0.00	ENVOIS	Combination	Max	0.01	0.00	0.26	PAR SUPERIOR	0.0220	0.384	o.k	0.00	o.k	352.28	o.k	0.06	o.k	0.13	0.13	o.k	0.00	o.k
21	5.26	0.56	ENVOIS	Combination	Max	0.01	0.00	0.29	PAR SUPERIOR	0.0220	0.259	o.k	0.00	o.k	393.61	o.k	0.26	o.k	0.15	0.15	o.k	0.00	o.k
21	5.64	0.38	ENVOIS	Combination	Max	0.00	0.01	0.31	PAR SUPERIOR	0.0220	0.191	o.k	0.00	o.k	417.80	o.k	0.48	o.k	0.16	0.16	o.k	0.00	o.k
21	5.64	0.00	ENVOIS	Combination	Max	0.01	0.20	0.31	PAR SUPERIOR	0.0220	0.655	o.k	0.00	o.k	417.80	o.k	13.95	o.k	0.16	0.16	o.k	0.00	o.k
21	6.02	0.38	ENVOIS	Combination	Max	0.01	0.21	0.25	PAR SUPERIOR	0.0220	0.591	o.k	0.00	o.k	311.56	o.k	14.30	o.k	0.12	0.12	o.k	0.00	o.k
21	6.58	0.56	ENVOIS	Combination	Max	0.01	0.22	0.11	PAR SUPERIOR	0.0220	0.486	o.k	0.00	o.k	147.18	o.k	14.84	o.k	0.06	0.06	o.k	0.00	o.k
21	6.58	0.00	ENVOIS	Combination	Max	0.02	0.47	0.11	PAR SUPERIOR	0.0220	0.950	o.k	0.00	o.k	147.18	o.k	51.83	o.k	0.06	0.06	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
21	6.77	0.19	ENVOIS	Combination	Max	0.02	0.47	0.02	PAR SUPERIOR	0.0220	0.918	o.k	0.00	o.k	27.15	o.k	32.01	o.k	0.01	0.01	o.k	0.00	o.k
21	7.52	0.00	ENVOIS	Combination	Max	0.02	0.48	0.02	PAR SUPERIOR	0.0220	0.782	o.k	0.00	o.k	22.39	o.k	32.73	o.k	0.01	0.01	o.k	0.00	o.k
21	0.00	0.00	ENVOIS	Combination	Min	-2.18	-0.25	-0.15	PAR SUPERIOR	0.0220	-	-	98.94	o.k	178.36	o.k	16.96	o.k	-	-	o.k	0.07	o.k
21	0.75	0.75	ENVOIS	Combination	Min	-2.18	-0.24	0.00	PAR SUPERIOR	0.0220	-	-	99.16	o.k	4.05	o.k	16.25	o.k	-	-	o.k	0.00	o.k
21	0.94	0.19	ENVOIS	Combination	Min	-2.18	-0.24	-0.01	PAR SUPERIOR	0.0220	-	-	99.22	o.k	7.81	o.k	16.08	o.k	-	-	o.k	0.01	o.k
21	0.94	0.00	ENVOIS	Combination	Min	-2.30	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	104.56	o.k	7.81	o.k	0.42	o.k	-	-	o.k	0.01	o.k
21	1.50	0.56	ENVOIS	Combination	Min	-2.30	0.00	0.00	PAR SUPERIOR	0.0220	-	-	104.73	o.k	4.87	o.k	0.10	o.k	-	-	o.k	0.00	o.k
21	1.88	0.38	ENVOIS	Combination	Min	-2.31	0.00	0.00	PAR SUPERIOR	0.0220	-	-	104.85	o.k	4.92	o.k	0.12	o.k	-	-	o.k	0.00	o.k
21	1.88	0.00	ENVOIS	Combination	Min	-2.42	-0.02	0.00	PAR SUPERIOR	0.0220	-	-	110.19	o.k	4.92	o.k	1.36	o.k	-	-	o.k	0.00	o.k
21	2.26	0.38	ENVOIS	Combination	Min	-2.43	-0.02	-0.05	PAR SUPERIOR	0.0220	-	-	110.30	o.k	36.07	o.k	1.15	o.k	-	-	o.k	0.02	o.k
21	2.82	0.56	ENVOIS	Combination	Min	-2.43	-0.01	-0.19	PAR SUPERIOR	0.0220	-	-	110.47	o.k	255.14	o.k	0.82	o.k	-	-	o.k	0.10	o.k
21	2.82	0.00	ENVOIS	Combination	Min	-2.55	-0.05	-0.19	PAR SUPERIOR	0.0220	-	-	115.82	o.k	255.14	o.k	2.30	o.k	-	-	o.k	0.10	o.k
21	3.01	0.19	ENVOIS	Combination	Min	-2.55	-0.03	-0.29	PAR SUPERIOR	0.0220	-	-	115.87	o.k	393.37	o.k	2.19	o.k	-	-	o.k	0.15	o.k
21	3.06	0.05	ENVOIS	Combination	Min	-2.55	-0.05	-0.31	PAR SUPERIOR	0.0220	-	-	115.89	o.k	429.05	o.k	2.16	o.k	-	-	o.k	0.17	o.k
21	3.06	0.00	ENVOIS	Combination	Min	-2.83	0.00	-0.31	PAR SUPERIOR	0.0220	-	-	128.45	o.k	429.05	o.k	0.10	o.k	-	-	o.k	0.17	o.k
21	3.24	0.18	ENVOIS	Combination	Min	-2.83	0.00	-0.33	PAR SUPERIOR	0.0220	-	-	128.50	o.k	455.30	o.k	0.20	o.k	-	-	o.k	0.18	o.k
21	3.24	0.00	ENVOIS	Combination	Min	-2.51	-0.58	-0.33	PAR SUPERIOR	0.0220	-	-	113.86	o.k	455.30	o.k	39.29	o.k	-	-	o.k	0.18	o.k
21	3.76	0.52	ENVOIS	Combination	Min	-2.51	-0.57	-0.04	PAR SUPERIOR	0.0220	-	-	114.02	o.k	49.59	o.k	38.80	o.k	-	-	o.k	0.02	o.k
21	3.76	0.00	ENVOIS	Combination	Min	-2.63	-0.52	-0.04	PAR SUPERIOR	0.0220	-	-	119.36	o.k	49.59	o.k	21.81	o.k	-	-	o.k	0.02	o.k
21	4.51	0.75	ENVOIS	Combination	Min	-2.63	-0.51	-0.01	PAR SUPERIOR	0.0220	-	-	119.59	o.k	13.72	o.k	21.10	o.k	-	-	o.k	0.01	o.k
21	4.70	0.19	ENVOIS	Combination	Min	-2.63	-0.51	-0.01	PAR SUPERIOR	0.0220	-	-	119.65	o.k	18.83	o.k	20.92	o.k	-	-	o.k	0.01	o.k
21	4.70	0.00	ENVOIS	Combination	Min	-2.75	-0.06	-0.01	PAR SUPERIOR	0.0220	-	-	124.99	o.k	18.83	o.k	3.93	o.k	-	-	o.k	0.01	o.k
21	5.26	0.56	ENVOIS	Combination	Min	-2.75	-0.05	-0.01	PAR SUPERIOR	0.0220	-	-	125.16	o.k	19.96	o.k	3.40	o.k	-	-	o.k	0.01	o.k
21	5.64	0.38	ENVOIS	Combination	Min	-2.76	-0.04	-0.02	PAR SUPERIOR	0.0220	-	-	125.27	o.k	22.72	o.k	3.04	o.k	-	-	o.k	0.01	o.k
21	5.64	0.00	ENVOIS	Combination	Min	-2.87	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	130.62	o.k	22.72	o.k	1.00	o.k	-	-	o.k	0.01	o.k
21	6.02	0.38	ENVOIS	Combination	Min	-2.88	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	130.73	o.k	16.02	o.k	0.78	o.k	-	-	o.k	0.01	o.k
21	6.58	0.56	ENVOIS	Combination	Min	-2.88	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	130.90	o.k	8.99	o.k	0.46	o.k	-	-	o.k	0.01	o.k
21	6.58	0.00	ENVOIS	Combination	Min	-3.00	-0.05	-0.01	PAR SUPERIOR	0.0220	-	-	136.25	o.k	8.99	o.k	1.94	o.k	-	-	o.k	0.01	o.k
21	6.77	0.19	ENVOIS	Combination	Min	-3.00	-0.05	0.00	PAR SUPERIOR	0.0220	-	-	136.30	o.k	1.90	o.k	1.83	o.k	-	-	o.k	0.01	o.k
21	7.52	0.00	ENVOIS	Combination	Min	-3.00	-0.02	-0.34	PAR SUPERIOR	0.0220	-	-	136.55	o.k	459.61	o.k	1.40	o.k	-	-	o.k	-2.60	o.k

CUBIERTA MADERA - CRUJIA 5 - CERCHA TIPO 3

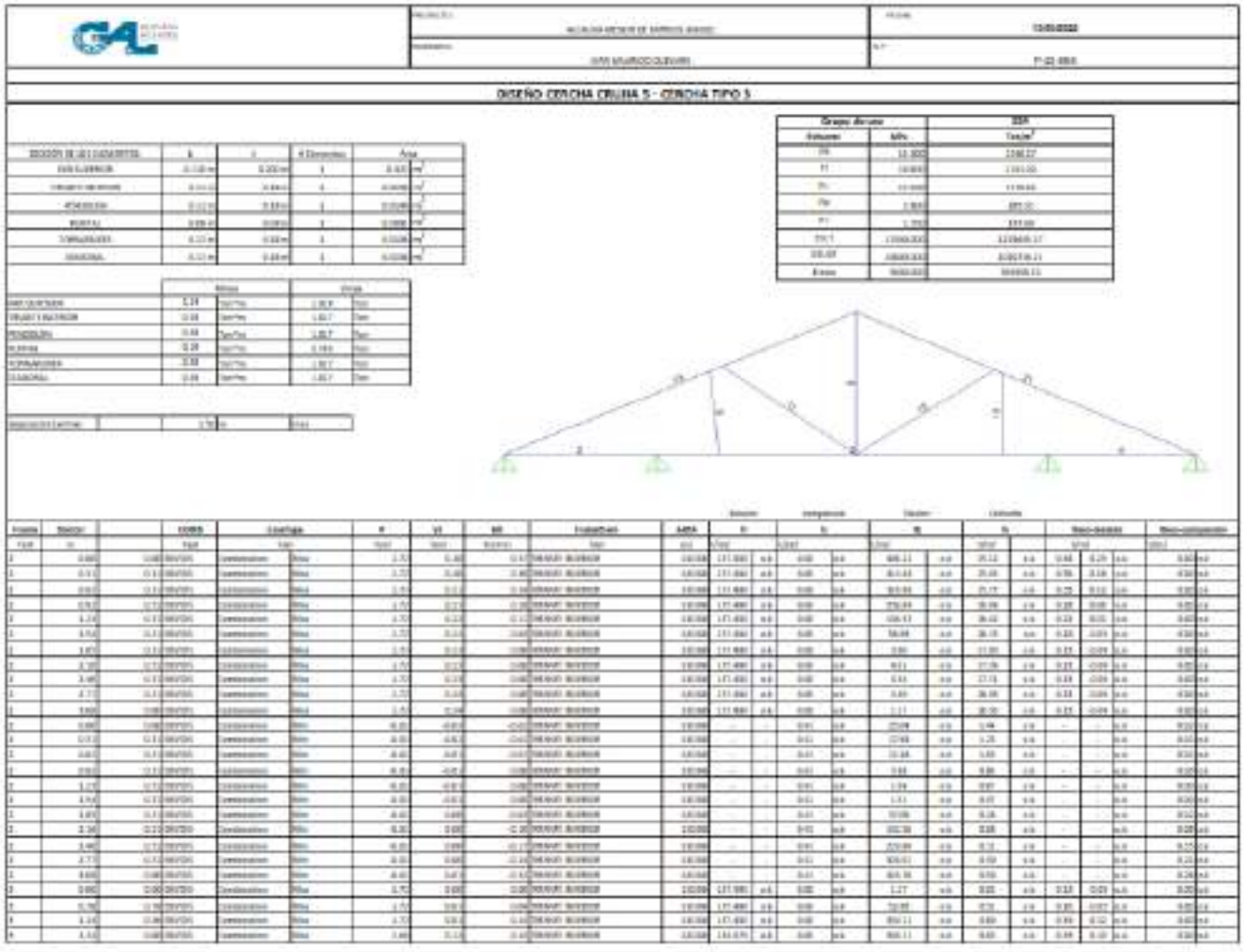
EVALUACION DE DEFORMACIONES





Luz Libre 7.75 m
Deformacion Admisible
2.58 cm CUMPLE
Deforamcion cercha
0.26 cm

Analisis Elementos Grupo ES4



DISEÑO CERCHA CRUJIA 5 - CERCHA TIPO 5

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
3	1.56	0.32	ENVOLS	Combination	Max	2.66	0.12	0.20	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	276.38	o.k	9.39	o.k	0.30	0.09	o.k	0.00	o.k
3	2.35	0.78	ENVOLS	Combination	Max	2.66	0.13	0.10	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	138.52	o.k	10.20	o.k	0.21	0.00	o.k	0.00	o.k
3	3.13	0.78	ENVOLS	Combination	Max	2.66	0.15	0.00	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	2.09	o.k	11.02	o.k	0.12	-0.08	o.k	0.00	o.k
3	3.91	0.78	ENVOLS	Combination	Max	2.66	0.16	0.00	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	5.55	o.k	11.85	o.k	0.13	-0.08	o.k	0.00	o.k
3	3.98	0.07	ENVOLS	Combination	Max	2.66	0.16	0.00	TIRANTE INFERIOR	0.0198	134.576	o.k	0.00	o.k	6.57	o.k	11.92	o.k	0.13	-0.08	o.k	0.00	o.k
3	3.98	0.00	ENVOLS	Combination	Max	2.51	-0.01	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	6.57	o.k	0.89	o.k	0.12	-0.08	o.k	0.00	o.k
3	4.69	0.71	ENVOLS	Combination	Max	2.51	-0.01	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	1.92	o.k	0.44	o.k	0.12	-0.08	o.k	0.00	o.k
3	5.47	0.78	ENVOLS	Combination	Max	2.51	0.00	0.08	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	104.86	o.k	0.05	o.k	0.18	-0.01	o.k	0.00	o.k
3	6.26	0.78	ENVOLS	Combination	Max	2.51	0.01	0.18	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	240.72	o.k	0.55	o.k	0.27	0.07	o.k	0.00	o.k
3	6.91	0.65	ENVOLS	Combination	Max	2.51	0.01	0.25	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	345.48	o.k	0.96	o.k	0.34	0.14	o.k	0.00	o.k
3	6.91	0.00	ENVOLS	Combination	Max	2.51	0.65	0.25	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	345.48	o.k	49.40	o.k	0.34	0.14	o.k	0.00	o.k
3	7.04	0.13	ENVOLS	Combination	Max	2.51	0.65	0.17	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	251.50	o.k	49.55	o.k	0.26	0.07	o.k	0.00	o.k
3	7.82	0.00	ENVOLS	Combination	Max	2.51	0.66	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	0.74	o.k	50.36	o.k	0.12	-0.08	o.k	0.00	o.k
3	0.00	0.00	ENVOLS	Combination	Min	-0.01	-0.46	-0.32	TIRANTE INFERIOR	0.0198	-	-	0.41	o.k	429.78	o.k	34.70	o.k	-	-	o.k	0.28	o.k
3	0.78	0.78	ENVOLS	Combination	Min	-0.01	-0.45	0.00	TIRANTE INFERIOR	0.0198	-	-	0.41	o.k	2.63	o.k	33.88	o.k	-	-	o.k	0.00	o.k
3	1.24	0.46	ENVOLS	Combination	Min	-0.01	-0.44	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.41	o.k	8.09	o.k	33.39	o.k	-	-	o.k	0.01	o.k
3	1.24	0.00	ENVOLS	Combination	Min	-0.01	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	8.09	o.k	0.89	o.k	-	-	o.k	0.01	o.k
3	1.56	0.32	ENVOLS	Combination	Min	-0.01	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	3.46	o.k	0.69	o.k	-	-	o.k	0.00	o.k
3	2.35	0.78	ENVOLS	Combination	Min	-0.01	0.00	0.00	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	2.77	o.k	0.20	o.k	-	-	o.k	0.00	o.k
3	3.13	0.78	ENVOLS	Combination	Min	-0.01	0.00	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	10.90	o.k	0.30	o.k	-	-	o.k	0.01	o.k
3	3.91	0.78	ENVOLS	Combination	Min	-0.01	0.01	-0.13	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	171.87	o.k	0.79	o.k	-	-	o.k	0.11	o.k
3	3.98	0.07	ENVOLS	Combination	Min	-0.01	0.01	-0.14	TIRANTE INFERIOR	0.0198	-	-	0.28	o.k	186.85	o.k	0.83	o.k	-	-	o.k	0.12	o.k
3	3.98	0.00	ENVOLS	Combination	Min	-0.01	-0.15	-0.14	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	186.85	o.k	11.65	o.k	-	-	o.k	0.12	o.k
3	4.69	0.71	ENVOLS	Combination	Min	-0.01	-0.14	-0.05	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	42.56	o.k	10.89	o.k	-	-	o.k	0.03	o.k
3	5.47	0.78	ENVOLS	Combination	Min	-0.01	-0.13	0.00	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	4.81	o.k	10.06	o.k	-	-	o.k	0.00	o.k
3	6.26	0.78	ENVOLS	Combination	Min	-0.01	-0.12	0.00	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	0.37	o.k	9.24	o.k	-	-	o.k	0.00	o.k
3	6.91	0.65	ENVOLS	Combination	Min	-0.01	-0.11	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	8.50	o.k	8.55	o.k	-	-	o.k	0.01	o.k
3	6.91	0.00	ENVOLS	Combination	Min	-0.01	-0.01	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	8.50	o.k	0.85	o.k	-	-	o.k	0.01	o.k
3	7.04	0.13	ENVOLS	Combination	Min	-0.01	-0.01	0.00	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	6.63	o.k	0.77	o.k	-	-	o.k	0.00	o.k
3	7.82	0.00	ENVOLS	Combination	Min	-0.01	0.00	-0.35	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	471.50	o.k	0.28	o.k	-	-	o.k	0.30	o.k
4	0.00	0.00	ENVOLS	Combination	Max	2.51	-0.01	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	0.74	o.k	0.50	o.k	0.12	-0.08	o.k	0.00	o.k
4	0.30	0.30	ENVOLS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	2.89	o.k	0.31	o.k	0.12	-0.08	o.k	0.00	o.k
4	0.59	0.30	ENVOLS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	4.06	o.k	0.13	o.k	0.12	-0.08	o.k	0.00	o.k
4	0.89	0.30	ENVOLS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	4.23	o.k	0.06	o.k	0.12	-0.08	o.k	0.00	o.k
4	1.18	0.30	ENVOLS	Combination	Max	2.51	0.00	0.00	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	3.41	o.k	0.25	o.k	0.12	-0.08	o.k	0.00	o.k
4	1.48	0.30	ENVOLS	Combination	Max	2.51	0.01	0.01	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	14.75	o.k	0.43	o.k	0.12	-0.07	o.k	0.00	o.k
4	1.78	0.30	ENVOLS	Combination	Max	2.51	0.01	0.08	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	107.05	o.k	0.62	o.k	0.18	-0.01	o.k	0.00	o.k
4	2.07	0.30	ENVOLS	Combination	Max	2.51	0.01	0.14	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	197.67	o.k	0.81	o.k	0.24	0.05	o.k	0.00	o.k
4	2.37	0.30	ENVOLS	Combination	Max	2.51	0.01	0.21	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	286.64	o.k	0.99	o.k	0.30	0.10	o.k	0.00	o.k
4	2.66	0.30	ENVOLS	Combination	Max	2.51	0.02	0.27	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	375.96	o.k	1.18	o.k	0.35	0.16	o.k	0.00	o.k
4	2.96	0.00	ENVOLS	Combination	Max	2.51	0.02	0.34	TIRANTE INFERIOR	0.0198	126.833	o.k	0.00	o.k	459.61	o.k	1.36	o.k	0.41	0.21	o.k	0.00	o.k
4	0.00	0.00	ENVOLS	Combination	Min	-0.01	-0.25	-0.35	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	471.50	o.k	19.05	o.k	-	-	o.k	0.30	o.k
4	0.30	0.30	ENVOLS	Combination	Min	-0.01	-0.25	-0.27	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	370.95	o.k	18.72	o.k	-	-	o.k	0.24	o.k
4	0.59	0.30	ENVOLS	Combination	Min	-0.01	-0.24	-0.20	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	272.05	o.k	18.41	o.k	-	-	o.k	0.17	o.k
4	0.89	0.30	ENVOLS	Combination	Min	-0.01	-0.24	-0.15	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	174.78	o.k	18.10	o.k	-	-	o.k	0.11	o.k
4	1.18	0.30	ENVOLS	Combination	Min	-0.01	-0.25	-0.06	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	79.19	o.k	17.79	o.k	-	-	o.k	0.05	o.k
4	1.48	0.30	ENVOLS	Combination	Min	-0.01	-0.25	0.00	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	1.60	o.k	17.48	o.k	-	-	o.k	0.00	o.k
4	1.78	0.30	ENVOLS	Combination	Min	-0.01	-0.25	0.00	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	1.21	o.k	17.17	o.k	-	-	o.k	0.00	o.k
4	2.07	0.30	ENVOLS	Combination	Min	-0.01	-0.22	0.00	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	5.02	o.k	16.86	o.k	-	-	o.k	0.00	o.k
4	2.37	0.30	ENVOLS	Combination	Min	-0.01	-0.22	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	9.82	o.k	16.55	o.k	-	-	o.k	0.01	o.k
4	2.66	0.30	ENVOLS	Combination	Min	-0.01	-0.21	-0.01	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	15.61	o.k	16.25	o.k	-	-	o.k	0.01	o.k
4	2.96	0.00	ENVOLS	Combination	Min	-0.01	-0.21	-0.02	TIRANTE INFERIOR	0.0198	-	-	0.54	o.k	22.39	o.k	15.92	o.k	-	-	o.k	0.01	o.k
8	0.00	0.00	ENVOLS	Combination	Max	1.09	0.00	0.00	PENDOLON	0.0198	55.227	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	0.32	0.32	ENVOLS	Combination	Max	1.10	0.00	0.00	PENDOLON	0.0198	55.455	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	0.64	0.32	ENVOLS	Combination	Max	1.10	0.00	0.00	PENDOLON	0.0198	55.677	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	0.96	0.32	ENVOLS	Combination	Max	1.11	0.00	0.00	PENDOLON	0.0198	55.904	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	1.28	0.32	ENVOLS	Combination	Max	1.11	0.00	0.00	PENDOLON	0.0198	56.126	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	1.61	0.32	ENVOLS	Combination	Max	1.12	0.00	0.00	PENDOLON	0.0198	56.354	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	1.93	0.32	ENVOLS	Combination	Max	1.12	0.00	0.00	PENDOLON	0.0198	56.576	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	2.25	0.32	ENVOLS	Combination	Max	1.12	0.00	0.00	PENDOLON	0.0198	56.798	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	2.57	0.32	ENVOLS	Combination	Max	1.13	0.00	0.00	PENDOLON	0.0198	57.025	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
8	2.89	0.32	ENVOLS	Combination	Max	1.15	0.00	0.00	PENDOLON	0.0198	57.247	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	3.21	0.00	ENVOLS	Combination	Max	1.14	0.00	0.00	PENDOLON	0.0198	57.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.04	o.k	0.00	o.k
8	0.00	0.00	ENVOLS	Combination	Min	0.02	0.00	0.00	PENDOLON	0.0198	1.192	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.32	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.328	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.64	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.465	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	0.96	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.601	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.28	0.32	ENVOLS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0198	1.732	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.61	0.32	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	1.889	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	1.93	0.32	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.005	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	2.25	0.32	ENVOLS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0198	2.136	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	2.57	0.32	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.273	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	2.89	0.32	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.409	o.k	0.00	o.k	0.00	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
8	3.21	0.00	ENVOLS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0198	2.540	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.790	o.k	0.00	o.k	0.00	-	0.06	o.k	0.00	0.00	o.k	0.00	o.k
9	0.19	0.19	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.864	o.k	0.00	o.k	0.13	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
9	0.38	0.19	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.951	o.k	0.00	o.k	0.23	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
9	0.57	0.19	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	3.025	o.k	0.00	o.k	0.30	o.k	0.02	o.k	0.00	0.00	o.k	0.00	o.k
9	0.75	0.19	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.099	o.k	0.00	o.k	0.34	o.k	0.01	o.k	0.00	0.00	o.k	0.00	o.k
9	0.94	0.19	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.185	o.k	0.00	o.k	0.35	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
9	1.13	0.19	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.259	o.k	0.00	o.k	0.34	o.k	0.02	o.k	0.00	0.00	o.k	0.00	o.k
9	1.32	0.19	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.346	o.k	0.00	o.k	0.30	o.k	0.04	o.k	0.00	0.00	o.k	0.00	o.k
9	1.51	0.19	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.420	o.k	0.00	o.k	0.23	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
9	1.70	0.19	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.494	o.k	0.00	o.k	0.13	o.k	0.08	o.k	0.00	0.00	o.k	0.00	o.k
9	1.89	0.00	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.580	o.k	0.00	o.k	0.00	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
9	0.00	0.00	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.52	o.k	0.00	-	0.10	o.k	-	-	o.k	0.00	o.k
9	0.19	0.19	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.40	o.k	0.08	o.k	0.08	o.k	-	-	o.k	0.00	o.k
9	0.38	0.19	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.26	o.k	0.14	o.k	0.06	o.k	-	-	o.k	0.00	o.k
9	0.57	0.19	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.12	o.k	0.18	o.k	0.04	o.k	-	-	o.k	0.00	o.k
9	0.75	0.19	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	69.00	o.k	0.20	o.k	0.02	o.k	-	-	o.k	0.00	o.k
9	0.94	0.19	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	68.86	o.k	0.22	o.k	0.00	o.k	-	-	o.k	0.00	o.k
9	1.13	0.19	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	68.74	o.k	0.20	o.k	0.01	o.k	-	-	o.k	0.00	o.k
9	1.32	0.19	ENVOLS	Combination	Min	-0.56	0.00	0.00	PUNTAL	0.0081	-	-	68.60	o.k	0.18	o.k	0.02	o.k	-	-	o.k	0.00	o.k
9	1.51	0.19	ENVOLS	Combination	Min	-0.55	0.00	0.00	PUNTAL	0.0081	-	-	68.47	o.k	0.14	o.k	0.04	o.k	-	-	o.k	0.00	o.k
9	1.70	0.19	ENVOLS	Combination	Min	-0.55	0.00	0.00	PUNTAL	0.0081	-	-	68.35	o.k	0.08	o.k	0.05	o.k	-	-	o.k	0.00	o.k
9	1.89	0.00	ENVOLS	Combination	Min	-0.55	0.00	0.00	PUNTAL	0.0081	-	-	68.21	o.k	0.00	o.k	0.06	o.k	-	-	o.k	0.00	o.k
10	0.00	0.00	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	2.951	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.18	0.18	ENVOLS	Combination	Max	0.02	0.00	0.00	PUNTAL	0.0081	3.025	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.37	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.099	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.55	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.185	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.73	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.259	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.91	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.333	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.10	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.407	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.28	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.481	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.46	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.568	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.64	0.18	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.642	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	1.85	0.00	ENVOLS	Combination	Max	0.03	0.00	0.00	PUNTAL	0.0081	3.716	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
10	0.00	0.00	ENVOLS	Combination	Min	-0.77	0.00	0.00	PUNTAL	0.0081	-	-	94.44	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.18	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	94.32	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.37	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	94.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.55	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	94.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.73	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	0.91	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.80	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.10	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.28	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.54	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.46	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.42	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.64	0.18	ENVOLS	Combination	Min	-0.76	0.00	0.00	PUNTAL	0.0081	-	-	93.30	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
10	1.85	0.00	ENVOLS	Combination	Min	-0.75	0.00	0.00	PUNTAL	0.0081	-	-	93.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Max	0.03	-0.01	0.00	TORNAPUNTA	0.0198	1.566	o.k	0.00	o.k	0.00	-	0.85	o.k	0.00	0.00	o.k	0.00	o.k
11	0.33	0.33	ENVOLS	Combination	Max	0.03	-0.01	0.01	TORNAPUNTA	0.0198	1.480	o.k	0.00	o.k	7.66	o.k	0.88	o.k	0.01	0.00	o.k	0.00	o.k
11	0.67	0.33	ENVOLS	Combination	Max	0.03	-0.01	0.01	TORNAPUNTA	0.0198	1.394	o.k	0.00	o.k	13.62	o.k	0.51	o.k	0.01	0.01	o.k	0.00	o.k
11	1.00	0.33	ENVOLS	Combination	Max	0.03	0.00	0.01	TORNAPUNTA	0.0198	1.313	o.k	0.00	o.k	17.88	o.k	0.34	o.k	0.01	0.01	o.k	0.00	o.k

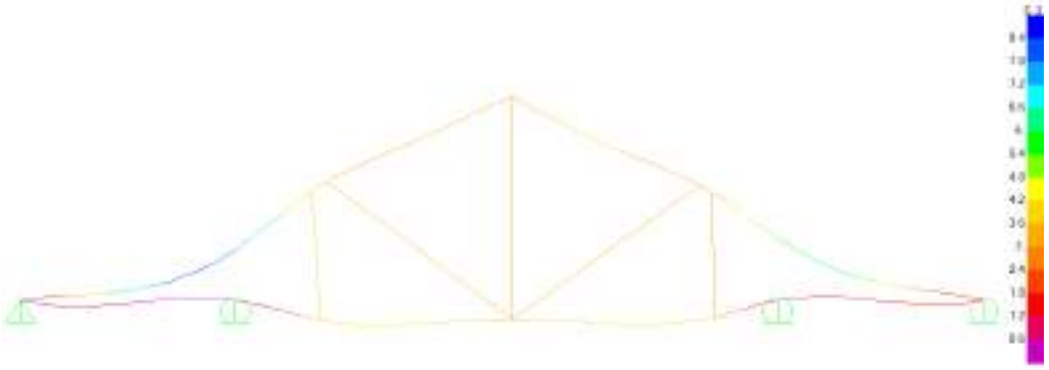
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	1.34	0.33	ENVOLS	Combination	Max	0.02	0.00	0.01	TORNAPUNTA	0.0198	1.227	o.k	0.00	o.k	20.44	o.k	0.17	o.k	0.01	0.01	o.k	0.00	o.k
11	1.67	0.33	ENVOLS	Combination	Max	0.02	0.00	0.02	TORNAPUNTA	0.0198	1.146	o.k	0.00	o.k	21.29	o.k	0.00	o.k	0.01	0.01	o.k	0.00	o.k
11	2.01	0.33	ENVOLS	Combination	Max	0.02	0.00	0.01	TORNAPUNTA	0.0198	1.061	o.k	0.00	o.k	20.44	o.k	0.28	o.k	0.01	0.01	o.k	0.00	o.k
11	2.34	0.33	ENVOLS	Combination	Max	0.02	0.01	0.01	TORNAPUNTA	0.0198	0.980	o.k	0.00	o.k	17.88	o.k	0.57	o.k	0.01	0.01	o.k	0.00	o.k
11	2.68	0.33	ENVOLS	Combination	Max	0.02	0.01	0.01	TORNAPUNTA	0.0198	0.894	o.k	0.00	o.k	13.62	o.k	0.85	o.k	0.01	0.01	o.k	0.00	o.k
11	3.01	0.33	ENVOLS	Combination	Max	0.02	0.01	0.01	TORNAPUNTA	0.0198	0.815	o.k	0.00	o.k	7.66	o.k	1.13	o.k	0.01	0.00	o.k	0.00	o.k
11	3.35	0.00	ENVOLS	Combination	Max	0.01	0.02	0.00	TORNAPUNTA	0.0198	0.727	o.k	0.00	o.k	0.00	o.k	1.42	o.k	0.00	0.00	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-0.72	-0.02	0.00	TORNAPUNTA	0.0198	-	-	36.33	o.k	0.00	-	1.42	o.k	-	-	o.k	0.00	o.k
11	0.33	0.33	ENVOLS	Combination	Min	-0.72	-0.01	0.00	TORNAPUNTA	0.0198	-	-	36.47	o.k	4.60	o.k	1.13	o.k	-	-	o.k	0.00	o.k
11	0.67	0.33	ENVOLS	Combination	Min	-0.72	-0.01	0.01	TORNAPUNTA	0.0198	-	-	36.61	o.k	8.17	o.k	0.85	o.k	-	-	o.k	0.01	o.k
11	1.00	0.33	ENVOLS	Combination	Min	-0.73	-0.01	0.01	TORNAPUNTA	0.0198	-	-	36.75	o.k	10.73	o.k	0.57	o.k	-	-	o.k	0.01	o.k
11	1.34	0.33	ENVOLS	Combination	Min	-0.73	0.00	0.01	TORNAPUNTA	0.0198	-	-	36.89	o.k	12.26	o.k	0.28	o.k	-	-	o.k	0.01	o.k
11	1.67	0.33	ENVOLS	Combination	Min	-0.73	0.00	0.01	TORNAPUNTA	0.0198	-	-	37.03	o.k	12.78	o.k	0.00	o.k	-	-	o.k	0.01	o.k
11	2.01	0.33	ENVOLS	Combination	Min	-0.74	0.00	0.01	TORNAPUNTA	0.0198	-	-	37.17	o.k	12.26	o.k	0.17	o.k	-	-	o.k	0.01	o.k
11	2.34	0.33	ENVOLS	Combination	Min	-0.74	0.00	0.01	TORNAPUNTA	0.0198	-	-	37.31	o.k	10.73	o.k	0.34	o.k	-	-	o.k	0.01	o.k
11	2.68	0.33	ENVOLS	Combination	Min	-0.74	0.01	0.01	TORNAPUNTA	0.0198	-	-	37.44	o.k	8.17	o.k	0.51	o.k	-	-	o.k	0.01	o.k
11	3.01	0.33	ENVOLS	Combination	Min	-0.74	0.01	0.00	TORNAPUNTA	0.0198	-	-	37.59	o.k	4.60	o.k	0.68	o.k	-	-	o.k	0.00	o.k
11	3.35	0.00	ENVOLS	Combination	Min	-0.75	0.01	0.00	TORNAPUNTA	0.0198	-	-	37.72	o.k	0.00	o.k	0.85	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVOLS	Combination	Max	0.02	-0.01	0.00	TORNAPUNTA	0.0198	0.798	o.k	0.00	o.k	0.00	-	0.87	o.k	0.00	0.00	o.k	0.00	o.k
12	0.34	0.34	ENVOLS	Combination	Max	0.02	-0.01	0.01	TORNAPUNTA	0.0198	0.874	o.k	0.00	o.k	7.90	o.k	0.70	o.k	0.01	0.00	o.k	0.00	o.k
12	0.67	0.34	ENVOLS	Combination	Max	0.02	-0.01	0.01	TORNAPUNTA	0.0198	0.955	o.k	0.00	o.k	14.03	o.k	0.52	o.k	0.01	0.01	o.k	0.00	o.k
12	1.01	0.34	ENVOLS	Combination	Max	0.02	0.00	0.01	TORNAPUNTA	0.0198	1.035	o.k	0.00	o.k	18.41	o.k	0.35	o.k	0.01	0.01	o.k	0.00	o.k
12	1.34	0.34	ENVOLS	Combination	Max	0.02	0.00	0.02	TORNAPUNTA	0.0198	1.116	o.k	0.00	o.k	21.04	o.k	0.17	o.k	0.01	0.01	o.k	0.00	o.k
12	1.68	0.34	ENVOLS	Combination	Max	0.02	0.00	0.02	TORNAPUNTA	0.0198	1.197	o.k	0.00	o.k	21.91	o.k	0.00	o.k	0.02	0.01	o.k	0.00	o.k
12	2.01	0.34	ENVOLS	Combination	Max	0.03	0.00	0.02	TORNAPUNTA	0.0198	1.278	o.k	0.00	o.k	21.04	o.k	0.29	o.k	0.01	0.01	o.k	0.00	o.k
12	2.35	0.34	ENVOLS	Combination	Max	0.03	0.01	0.01	TORNAPUNTA	0.0198	1.359	o.k	0.00	o.k	18.41	o.k	0.58	o.k	0.01	0.01	o.k	0.00	o.k
12	2.69	0.34	ENVOLS	Combination	Max	0.03	0.01	0.01	TORNAPUNTA	0.0198	1.434	o.k	0.00	o.k	14.03	o.k	0.87	o.k	0.01	0.01	o.k	0.00	o.k
12	3.02	0.34	ENVOLS	Combination	Max	0.03	0.02	0.01	TORNAPUNTA	0.0198	1.515	o.k	0.00	o.k	7.90	o.k	1.16	o.k	0.01	0.00	o.k	0.00	o.k
12	3.36	0.00	ENVOLS	Combination	Max	0.03	0.02	0.00	TORNAPUNTA	0.0198	1.596	o.k	0.00	o.k	0.00	o.k	1.45	o.k	0.00	0.00	o.k	0.00	o.k
12	0.00	0.00	ENVOLS	Combination	Min	-0.54	-0.02	0.00	TORNAPUNTA	0.0198	-	-	27.46	o.k	0.00	-	1.45	o.k	-	-	o.k	0.00	o.k
12	0.34	0.34	ENVOLS	Combination	Min	-0.54	-0.02	0.00	TORNAPUNTA	0.0198	-	-	27.33	o.k	4.73	o.k	1.16	o.k	-	-	o.k	0.00	o.k
12	0.67	0.34	ENVOLS	Combination	Min	-0.54	-0.01	0.01	TORNAPUNTA	0.0198	-	-	27.19	o.k	8.41	o.k	0.87	o.k	-	-	o.k	0.01	o.k
12	1.01	0.34	ENVOLS	Combination	Min	-0.54	-0.01	0.01	TORNAPUNTA	0.0198	-	-	27.06	o.k	11.05	o.k	0.58	o.k	-	-	o.k	0.01	o.k
12	1.34	0.34	ENVOLS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.93	o.k	12.63	o.k	0.29	o.k	-	-	o.k	0.01	o.k
12	1.68	0.34	ENVOLS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.79	o.k	13.15	o.k	0.00	o.k	-	-	o.k	0.01	o.k
12	2.01	0.34	ENVOLS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.66	o.k	12.63	o.k	0.17	o.k	-	-	o.k	0.01	o.k
12	2.35	0.34	ENVOLS	Combination	Min	-0.53	0.00	0.01	TORNAPUNTA	0.0198	-	-	26.53	o.k	11.05	o.k	0.35	o.k	-	-	o.k	0.01	o.k
12	2.69	0.34	ENVOLS	Combination	Min	-0.52	0.01	0.01	TORNAPUNTA	0.0198	-	-	26.39	o.k	8.41	o.k	0.52	o.k	-	-	o.k	0.01	o.k
12	3.02	0.34	ENVOLS	Combination	Min	-0.52	0.01	0.00	TORNAPUNTA	0.0198	-	-	26.26	o.k	4.73	o.k	0.70	o.k	-	-	o.k	0.00	o.k
12	3.36	0.00	ENVOLS	Combination	Min	-0.52	0.01	0.00	TORNAPUNTA	0.0198	-	-	26.13	o.k	0.00	o.k	0.87	o.k	-	-	o.k	0.00	o.k
13	0.00	0.00	ENVOLS	Combination	Max	0.02	0.02	0.02	PAR SUPERIOR	0.0220	0.855	o.k	0.00	o.k	25.04	o.k	1.47	o.k	0.02	0.02	o.k	0.00	o.k
13	0.78	0.78	ENVOLS	Combination	Max	0.02	0.03	0.02	PAR SUPERIOR	0.0220	0.991	o.k	0.00	o.k	33.75	o.k	1.91	o.k	0.02	0.02	o.k	0.00	o.k
13	0.97	0.19	ENVOLS	Combination	Max	0.02	0.03	0.12	PAR SUPERIOR	0.0220	1.023	o.k	0.00	o.k	164.95	o.k	2.02	o.k	0.11	0.11	o.k	0.00	o.k
13	0.97	0.00	ENVOLS	Combination	Max	0.01	0.01	0.12	PAR SUPERIOR	0.0220	0.573	o.k	0.00	o.k	164.95	o.k	0.54	o.k	0.11	0.11	o.k	0.00	o.k
13	1.55	0.58	ENVOLS	Combination	Max	0.01	0.01	0.26	PAR SUPERIOR	0.0220	0.677	o.k	0.00	o.k	355.27	o.k	0.87	o.k	0.23	0.23	o.k	0.00	o.k
13	1.94	0.39	ENVOLS	Combination	Max	0.02	0.02	0.35	PAR SUPERIOR	0.0220	0.741	o.k	0.00	o.k	478.57	o.k	1.09	o.k	0.31	0.31	o.k	0.00	o.k
13	1.94	0.00	ENVOLS	Combination	Max	0.01	0.02	0.35	PAR SUPERIOR	0.0220	0.295	o.k	0.00	o.k	478.57	o.k	1.39	o.k	0.31	0.31	o.k	0.00	o.k
13	2.33	0.39	ENVOLS	Combination	Max	0.01	0.03	0.34	PAR SUPERIOR	0.0220	0.359	o.k	0.00	o.k	466.34	o.k	1.76	o.k	0.30	0.30	o.k	0.00	o.k
13	2.91	0.58	ENVOLS	Combination	Max	0.01	0.03	0.32	PAR SUPERIOR	0.0220	0.464	o.k	0.00	o.k	442.62	o.k	2.32	o.k	0.28	0.28	o.k	0.00	o.k
13	2.91	0.00	ENVOLS	Combination	Max	0.00	0.28	0.32	PAR SUPERIOR	0.0220	0.012	o.k	0.00	o.k	442.62	o.k	19.42	o.k	0.28	0.28	o.k	0.00	o.k
13	3.10	0.19	ENVOLS	Combination	Max	0.00	0.29	0.27	PAR SUPERIOR	0.0220	0.045	o.k	0.00	o.k	366.95	o.k	19.60	o.k	0.24	0.24	o.k	0.00	o.k
13	3.88	0.78	ENVOLS	Combination	Max	0.00	0.50	0.04	PAR SUPERIOR	0.0220	0.182	o.k	0.00	o.k	57.12	o.k	20.55	o.k	0.04	0.04	o.k	0.00	o.k
13	3.88	0.00	ENVOLS	Combination	Max	-0.01	0.55	0.04	PAR SUPERIOR	0.0220	-	-	0.27	o.k	57.12	o.k	37.45	o.k	-	-	o.k	0.04	o.k
13	4.53	0.65	ENVOLS	Combination	Max	0.00	0.56	0.02	PAR SUPERIOR	0.0220	-	-	0.15	o.k	24.71	o.k	38.07	o.k	-	-	o.k	0.02	o.k
13	4.53	0.00	ENVOLS	Combination	Max	0.01	0.03	0.02	PAR SUPERIOR	0.0220	0.277	o.k	0.00	o.k	24.71	o.k	2.34	o.k	0.02	0.02	o.k	0.00	o.k
13	4.65	0.12	ENVOLS	Combination	Max	0.01	0.04	0.02	PAR SUPERIOR	0.0220	0.300	o.k	0.00	o.k	24.64	o.k	2.45	o.k	0.02	0.02	o.k	0.00	o.k
13	4.80	0.14	ENVOLS	Combination	Max	0.01	0.04	0.02	PAR SUPERIOR	0.0220	0.323	o.k	0.00	o.k	24.34	o.k	2.60	o.k	0.02	0.02	o.k	0.00	o.k
13	4.80	0.00	ENVOLS	Combination	Max	0.00	0.05	0.02	PAR SUPERIOR	0.0220	0.082	o.k	0.00	o.k	24.34	o.k	2.36	o.k	0.02	0.02	o.k	0.00	o.k
13	4.85	0.05	ENVOLS	Combination	Max	0.00	0.04	0.02	PAR SUPERIOR	0.0220	0.091	o.k	0.00	o.k	21.95	o.k	2.39	o.k	0.01	0.01	o.k	0.00	o.k
13	4.85	0.00	ENVOLS	Combination	Max	-0.01	0.01	0.02	PAR SUPERIOR	0.0220	-	-	0.56	o.k	21.95	o.k	0.91	o.k	-	-	o.k	0.01	o.k
13	5.45	0.58	ENVOLS	Combination	Max	-0.01	0.02	0.01	PAR SUPERIOR	0.0220	-	-	0.28	o.k	9.45	o.k	1.24	o.k	-	-	o.k	0.01	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
13	5.82	0.39	ENVOLS	Combination	Max	0.00	0.02	0.01	PAR SUPERIOR	0.0220	-	-	0.19	o.k	16.84	o.k	1.47	o.k	-	-	o.k	0.01	o.k
13	5.82	0.00	ENVOLS	Combination	Max	-0.01	0.00	0.01	PAR SUPERIOR	0.0220	-	-	0.64	o.k	16.84	o.k	0.02	o.k	-	-	o.k	0.01	o.k
13	6.20	0.39	ENVOLS	Combination	Max	-0.01	0.00	0.04	PAR SUPERIOR	0.0220	-	-	0.57	o.k	49.87	o.k	0.20	o.k	-	-	o.k	0.03	o.k
13	6.79	0.58	ENVOLS	Combination	Max	-0.01	0.01	0.07	PAR SUPERIOR	0.0220	-	-	0.47	o.k	94.02	o.k	0.54	o.k	-	-	o.k	0.06	o.k
13	6.79	0.00	ENVOLS	Combination	Max	-0.02	0.20	0.07	PAR SUPERIOR	0.0220	-	-	0.92	o.k	94.02	o.k	13.58	o.k	-	-	o.k	0.06	o.k
13	6.98	0.19	ENVOLS	Combination	Max	-0.02	0.20	0.05	PAR SUPERIOR	0.0220	-	-	0.89	o.k	40.98	o.k	13.77	o.k	-	-	o.k	0.03	o.k
13	7.76	0.00	ENVOLS	Combination	Max	-0.02	0.21	0.01	PAR SUPERIOR	0.0220	-	-	0.75	o.k	6.94	o.k	14.51	o.k	-	-	o.k	0.00	o.k
13	0.00	0.00	ENVOLS	Combination	Min	-3.22	-0.51	-0.37	PAR SUPERIOR	0.0220	-	-	146.44	o.k	498.22	o.k	34.67	o.k	-	-	o.k	0.34	o.k
13	0.78	0.78	ENVOLS	Combination	Min	-3.22	-0.50	0.00	PAR SUPERIOR	0.0220	-	-	146.21	o.k	1.13	o.k	33.95	o.k	-	-	o.k	0.01	o.k
13	0.97	0.19	ENVOLS	Combination	Min	-3.22	-0.49	-0.01	PAR SUPERIOR	0.0220	-	-	146.16	o.k	8.74	o.k	33.74	o.k	-	-	o.k	0.02	o.k
13	0.97	0.00	ENVOLS	Combination	Min	-3.10	-0.24	-0.01	PAR SUPERIOR	0.0220	-	-	140.98	o.k	8.74	o.k	16.64	o.k	-	-	o.k	0.02	o.k
13	1.55	0.58	ENVOLS	Combination	Min	-3.10	-0.24	-0.01	PAR SUPERIOR	0.0220	-	-	140.80	o.k	16.94	o.k	16.08	o.k	-	-	o.k	0.02	o.k
13	1.94	0.39	ENVOLS	Combination	Min	-3.10	-0.23	-0.02	PAR SUPERIOR	0.0220	-	-	140.70	o.k	24.55	o.k	15.71	o.k	-	-	o.k	0.03	o.k
13	1.94	0.00	ENVOLS	Combination	Min	-2.98	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	135.51	o.k	24.55	o.k	0.39	o.k	-	-	o.k	0.03	o.k
13	2.55	0.39	ENVOLS	Combination	Min	-2.98	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	135.40	o.k	22.58	o.k	0.17	o.k	-	-	o.k	0.02	o.k
13	2.91	0.58	ENVOLS	Combination	Min	-2.98	0.00	-0.02	PAR SUPERIOR	0.0220	-	-	135.23	o.k	22.58	o.k	0.16	o.k	-	-	o.k	0.02	o.k
13	2.91	0.00	ENVOLS	Combination	Min	-2.86	-0.02	-0.02	PAR SUPERIOR	0.0220	-	-	130.05	o.k	22.58	o.k	1.32	o.k	-	-	o.k	0.02	o.k
13	3.10	0.19	ENVOLS	Combination	Min	-2.86	-0.02	-0.01	PAR SUPERIOR	0.0220	-	-	129.89	o.k	17.47	o.k	1.21	o.k	-	-	o.k	0.02	o.k
13	3.88	0.78	ENVOLS	Combination	Min	-2.85	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	129.76	o.k	2.20	o.k	0.76	o.k	-	-	o.k	0.01	o.k
13	3.88	0.00	ENVOLS	Combination	Min	-2.74	-0.05	0.00	PAR SUPERIOR	0.0220	-	-	124.58	o.k	2.20	o.k	2.24	o.k	-	-	o.k	0.01	o.k
13	4.53	0.65	ENVOLS	Combination	Min	-2.74	-0.05	-0.32	PAR SUPERIOR	0.0220	-	-	124.39	o.k	456.51	o.k	1.87	o.k	-	-	o.k	0.29	o.k
13	4.53	0.00	ENVOLS	Combination	Min	-2.91	0.00	-0.32	PAR SUPERIOR	0.0220	-	-	132.34	o.k	456.51	o.k	0.01	o.k	-	-	o.k	0.29	o.k
13	4.65	0.12	ENVOLS	Combination	Min	-2.91	0.00	-0.32	PAR SUPERIOR	0.0220	-	-	132.31	o.k	442.96	o.k	0.06	o.k	-	-	o.k	0.29	o.k
13	4.80	0.14	ENVOLS	Combination	Min	-2.91	0.00	-0.33	PAR SUPERIOR	0.0220	-	-	132.26	o.k	449.65	o.k	0.15	o.k	-	-	o.k	0.30	o.k
13	4.80	0.00	ENVOLS	Combination	Min	-2.54	-0.58	-0.33	PAR SUPERIOR	0.0220	-	-	115.60	o.k	449.65	o.k	39.62	o.k	-	-	o.k	0.30	o.k
13	4.85	0.05	ENVOLS	Combination	Min	-2.54	-0.58	-0.30	PAR SUPERIOR	0.0220	-	-	115.58	o.k	409.88	o.k	39.57	o.k	-	-	o.k	0.27	o.k
13	4.85	0.00	ENVOLS	Combination	Min	-2.43	-0.53	-0.30	PAR SUPERIOR	0.0220	-	-	110.40	o.k	409.88	o.k	22.47	o.k	-	-	o.k	0.27	o.k
13	5.45	0.58	ENVOLS	Combination	Min	-2.43	-0.52	-0.11	PAR SUPERIOR	0.0220	-	-	110.23	o.k	151.69	o.k	21.91	o.k	-	-	o.k	0.10	o.k
13	5.82	0.39	ENVOLS	Combination	Min	-2.42	-0.52	0.00	PAR SUPERIOR	0.0220	-	-	110.12	o.k	1.04	o.k	21.55	o.k	-	-	o.k	0.01	o.k
13	5.82	0.00	ENVOLS	Combination	Min	-2.31	-0.07	0.00	PAR SUPERIOR	0.0220	-	-	104.83	o.k	1.04	o.k	4.45	o.k	-	-	o.k	0.01	o.k
13	6.20	0.39	ENVOLS	Combination	Min	-2.31	-0.06	0.00	PAR SUPERIOR	0.0220	-	-	104.82	o.k	1.75	o.k	4.07	o.k	-	-	o.k	0.01	o.k
13	6.79	0.58	ENVOLS	Combination	Min	-2.30	-0.05	0.00	PAR SUPERIOR	0.0220	-	-	104.65	o.k	6.04	o.k	3.52	o.k	-	-	o.k	0.01	o.k
13	6.79	0.00	ENVOLS	Combination	Min	-2.19	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	99.47	o.k	6.04	o.k	0.95	o.k	-	-	o.k	0.01	o.k
13	6.98	0.19	ENVOLS	Combination	Min	-2.19	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	99.41	o.k	2.58	o.k	0.84	o.k	-	-	o.k	0.01	o.k
13	7.76	0.00	ENVOLS	Combination	Min	-2.18	-0.01	-0.15	PAR SUPERIOR	0.0220	-	-	99.19	o.k	178.36	o.k	0.39	o.k	-	-	o.k	-0.04	o.k
21	0.00	0.00	ENVOLS	Combination	Max	-0.02	0.01	0.01	PAR SUPERIOR	0.0220	-	-	0.80	o.k	6.94	o.k	0.52	o.k	-	-	o.k	0.00	o.k
21	0.75	0.75	ENVOLS	Combination	Max	-0.02	0.01	0.05	PAR SUPERIOR	0.0220	-	-	0.94	o.k	71.43	o.k	0.95	o.k	-	-	o.k	0.05	o.k
21	0.94	0.19	ENVOLS	Combination	Max	-0.02	0.02	0.10	PAR SUPERIOR	0.0220	-	-	0.97	o.k	152.20	o.k	1.05	o.k	-	-	o.k	0.08	o.k
21	0.94	0.00	ENVOLS	Combination	Max	-0.01	0.01	0.10	PAR SUPERIOR	0.0220	-	-	0.50	o.k	152.20	o.k	0.91	o.k	-	-	o.k	0.08	o.k
21	1.50	0.56	ENVOLS	Combination	Max	-0.01	0.02	0.09	PAR SUPERIOR	0.0220	-	-	0.60	o.k	118.87	o.k	1.45	o.k	-	-	o.k	0.08	o.k
21	1.88	0.38	ENVOLS	Combination	Max	-0.01	0.05	0.08	PAR SUPERIOR	0.0220	-	-	0.67	o.k	106.62	o.k	1.81	o.k	-	-	o.k	0.07	o.k
21	1.88	0.00	ENVOLS	Combination	Max	0.00	0.28	0.08	PAR SUPERIOR	0.0220	-	-	0.21	o.k	106.62	o.k	18.80	o.k	-	-	o.k	0.07	o.k
21	2.26	0.38	ENVOLS	Combination	Max	-0.01	0.28	0.00	PAR SUPERIOR	0.0220	-	-	0.28	o.k	4.49	o.k	19.15	o.k	-	-	o.k	0.00	o.k
21	2.82	0.56	ENVOLS	Combination	Max	-0.01	0.29	0.01	PAR SUPERIOR	0.0220	-	-	0.58	o.k	15.60	o.k	19.69	o.k	-	-	o.k	0.01	o.k
21	2.82	0.00	ENVOLS	Combination	Max	0.00	0.54	0.01	PAR SUPERIOR	0.0220	0.086	o.k	0.00	o.k	15.60	o.k	36.67	o.k	0.01	0.01	o.k	0.00	o.k
21	3.01	0.19	ENVOLS	Combination	Max	0.00	0.54	0.02	PAR SUPERIOR	0.0220	0.050	o.k	0.00	o.k	24.04	o.k	36.86	o.k	0.02	0.02	o.k	0.00	o.k
21	3.06	0.05	ENVOLS	Combination	Max	0.00	0.54	0.02	PAR SUPERIOR	0.0220	0.043	o.k	0.00	o.k	26.14	o.k	36.90	o.k	0.02	0.02	o.k	0.00	o.k
21	3.06	0.00	ENVOLS	Combination	Max	0.01	0.10	0.02	PAR SUPERIOR	0.0220	0.314	o.k	0.00	o.k	26.14	o.k	7.06	o.k	0.02	0.02	o.k	0.00	o.k
21	3.24	0.18	ENVOLS	Combination	Max	0.01	0.11	0.02	PAR SUPERIOR	0.0220	0.282	o.k	0.00	o.k	25.60	o.k	7.23	o.k	0.02	0.02	o.k	0.00	o.k
21	3.24	0.00	ENVOLS	Combination	Max	-0.01	0.03	0.02	PAR SUPERIOR	0.0220	-	-	0.50	o.k	25.60	o.k	2.05	o.k	-	-	o.k	0.02	o.k
21	3.76	0.52	ENVOLS	Combination	Max	-0.01	0.03	0.00	PAR SUPERIOR	0.0220	-	-	0.40	o.k	2.70	o.k	2.35	o.k	-	-	o.k	0.00	o.k
21	3.76	0.00	ENVOLS	Combination	Max	0.00	0.01	0.00	PAR SUPERIOR	0.0220	0.068	o.k	0.00	o.k	2.70	o.k	0.88	o.k	0.00	0.00	o.k	0.00	o.k
21	4.51	0.75	ENVOLS	Combination	Max	0.00	0.01	0.20	PAR SUPERIOR	0.0220	-	-	0.07	o.k	275.29	o.k	1.31	o.k	-	-	o.k	0.18	o.k
21	4.70	0.19	ENVOLS	Combination	Max	0.00	0.02	0.26	PAR SUPERIOR	0.0220	-	-	0.10	o.k	352.28	o.k	1.41	o.k	-	-	o.k	0.23	o.k
21	4.70	0.00	ENVOLS	Combination	Max	0.01	0.00	0.26	PAR SUPERIOR	0.0220	0.364	o.k	0.00	o.k	352.28	o.k	0.06	o.k	0.23	0.23	o.k	0.00	o.k
21	5.26	0.56	ENVOLS	Combination	Max	0.01	0.00	0.29	PAR SUPERIOR	0.0220	0.259	o.k	0.00	o.k	395.61	o.k	0.26	o.k	0.25	0.25	o.k	0.00	o.k
21	5.64	0.38	ENVOLS	Combination	Max	0.00	0.01	0.31	PAR SUPERIOR	0.0220	0.191	o.k	0.00	o.k	417.80	o.k	0.48	o.k	0.27	0.27	o.k	0.00	o.k
21	5.64	0.00	ENVOLS	Combination	Max	0.01	0.20	0.31	PAR SUPERIOR	0.0220	0.655	o.k	0.00	o.k	417.80	o.k	13.95	o.k	0.27	0.27	o.k	0.00	o.k
21	6.02	0.38	ENVOLS	Combination	Max	0.01	0.21	0.23	PAR SUPERIOR	0.0220	0.591	o.k	0.00	o.k	311.56	o.k	14.30	o.k	0.20	0.20	o.k	0.00	o.k
21	6.58	0.56	ENVOLS	Combination	Max	0.01	0.22	0.11	PAR SUPERIOR	0.0220	0.486	o.k	0.00	o.k	147.18	o.k	14.84	o.k	0.09	0.09	o.k	0.00	o.k
21	6.58	0.00	ENVOLS	Combination	Max	0.02	0.47	0.11	PAR SUPERIOR	0.0220	0.950	o.k	0.00	o.k	147.18	o.k	31.85	o.k	0.10	0.09	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
21	6.77	0.19	ENVOLS	Combination	Max	0.02	0.47	0.02	PAR SUPERIOR	0.0220	0.918	o.k	0.00	o.k	27.15	o.k	32.01	o.k	0.02	0.02	o.k	0.00	o.k
21	7.52	0.00	ENVOLS	Combination	Max	0.02	0.48	0.02	PAR SUPERIOR	0.0220	0.782	o.k	0.00	o.k	22.59	o.k	32.73	o.k	0.02	0.01	o.k	0.00	o.k
21	0.00	0.00	ENVOLS	Combination	Min	-2.18	-0.25	-0.15	PAR SUPERIOR	0.0220	-	-	98.94	o.k	178.36	o.k	16.96	o.k	-	-	o.k	0.12	o.k
21	0.75	0.75	ENVOLS	Combination	Min	-2.18	-0.24	0.00	PAR SUPERIOR	0.0220	-	-	99.16	o.k	4.05	o.k	16.25	o.k	-	-	o.k	0.01	o.k
21	0.94	0.19	ENVOLS	Combination	Min	-2.18	-0.24	-0.01	PAR SUPERIOR	0.0220	-	-	99.22	o.k	7.81	o.k	16.08	o.k	-	-	o.k	0.01	o.k
21	0.94	0.00	ENVOLS	Combination	Min	-2.30	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	104.56	o.k	7.81	o.k	0.42	o.k	-	-	o.k	0.01	o.k
21	1.50	0.56	ENVOLS	Combination	Min	-2.30	0.00	0.00	PAR SUPERIOR	0.0220	-	-	104.73	o.k	4.87	o.k	0.10	o.k	-	-	o.k	0.01	o.k
21	1.88	0.38	ENVOLS	Combination	Min	-2.31	0.00	0.00	PAR SUPERIOR	0.0220	-	-	104.85	o.k	4.92	o.k	0.12	o.k	-	-	o.k	0.01	o.k
21	1.88	0.00	ENVOLS	Combination	Min	-2.42	-0.01	0.00	PAR SUPERIOR	0.0220	-	-	110.19	o.k	4.92	o.k	1.36	o.k	-	-	o.k	0.01	o.k
21	2.26	0.38	ENVOLS	Combination	Min	-2.43	-0.01	-0.03	PAR SUPERIOR	0.0220	-	-	110.30	o.k	36.07	o.k	1.15	o.k	-	-	o.k	0.03	o.k
21	2.82	0.56	ENVOLS	Combination	Min	-2.43	-0.01	-0.19	PAR SUPERIOR	0.0220	-	-	110.47	o.k	255.14	o.k	0.82	o.k	-	-	o.k	0.17	o.k
21	2.82	0.00	ENVOLS	Combination	Min	-2.55	-0.03	-0.19	PAR SUPERIOR	0.0220	-	-	115.82	o.k	255.14	o.k	2.30	o.k	-	-	o.k	0.17	o.k
21	3.01	0.19	ENVOLS	Combination	Min	-2.55	-0.03	-0.29	PAR SUPERIOR	0.0220	-	-	115.87	o.k	393.37	o.k	2.19	o.k	-	-	o.k	0.26	o.k
21	3.06	0.05	ENVOLS	Combination	Min	-2.55	-0.03	-0.31	PAR SUPERIOR	0.0220	-	-	115.89	o.k	429.05	o.k	2.16	o.k	-	-	o.k	0.28	o.k
21	3.06	0.00	ENVOLS	Combination	Min	-2.85	0.00	-0.31	PAR SUPERIOR	0.0220	-	-	128.45	o.k	429.05	o.k	0.10	o.k	-	-	o.k	0.28	o.k
21	3.24	0.18	ENVOLS	Combination	Min	-2.85	0.00	-0.33	PAR SUPERIOR	0.0220	-	-	128.50	o.k	455.30	o.k	0.20	o.k	-	-	o.k	0.30	o.k
21	3.24	0.00	ENVOLS	Combination	Min	-2.51	-0.58	-0.33	PAR SUPERIOR	0.0220	-	-	113.86	o.k	455.30	o.k	39.29	o.k	-	-	o.k	0.30	o.k
21	3.76	0.52	ENVOLS	Combination	Min	-2.51	-0.57	-0.04	PAR SUPERIOR	0.0220	-	-	114.02	o.k	49.39	o.k	38.80	o.k	-	-	o.k	0.04	o.k
21	3.76	0.00	ENVOLS	Combination	Min	-2.65	-0.52	-0.04	PAR SUPERIOR	0.0220	-	-	119.36	o.k	49.39	o.k	21.81	o.k	-	-	o.k	0.04	o.k
21	4.51	0.75	ENVOLS	Combination	Min	-2.65	-0.51	-0.01	PAR SUPERIOR	0.0220	-	-	119.59	o.k	15.72	o.k	21.10	o.k	-	-	o.k	0.02	o.k
21	4.70	0.19	ENVOLS	Combination	Min	-2.65	-0.51	-0.01	PAR SUPERIOR	0.0220	-	-	119.65	o.k	18.83	o.k	20.92	o.k	-	-	o.k	0.02	o.k
21	4.70	0.00	ENVOLS	Combination	Min	-2.75	-0.06	-0.01	PAR SUPERIOR	0.0220	-	-	124.99	o.k	18.83	o.k	3.93	o.k	-	-	o.k	0.02	o.k
21	5.26	0.56	ENVOLS	Combination	Min	-2.75	-0.05	-0.01	PAR SUPERIOR	0.0220	-	-	125.16	o.k	19.96	o.k	3.40	o.k	-	-	o.k	0.02	o.k
21	5.64	0.38	ENVOLS	Combination	Min	-2.76	-0.04	-0.02	PAR SUPERIOR	0.0220	-	-	125.27	o.k	22.72	o.k	3.04	o.k	-	-	o.k	0.02	o.k
21	5.64	0.00	ENVOLS	Combination	Min	-2.87	-0.01	-0.02	PAR SUPERIOR	0.0220	-	-	130.62	o.k	22.72	o.k	1.00	o.k	-	-	o.k	0.02	o.k
21	6.02	0.38	ENVOLS	Combination	Min	-2.88	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	130.73	o.k	16.02	o.k	0.78	o.k	-	-	o.k	0.02	o.k
21	6.58	0.56	ENVOLS	Combination	Min	-2.88	-0.01	-0.01	PAR SUPERIOR	0.0220	-	-	130.90	o.k	8.99	o.k	0.46	o.k	-	-	o.k	0.01	o.k
21	6.58	0.00	ENVOLS	Combination	Min	-3.00	-0.03	-0.01	PAR SUPERIOR	0.0220	-	-	136.25	o.k	8.99	o.k	1.94	o.k	-	-	o.k	0.02	o.k
21	6.77	0.19	ENVOLS	Combination	Min	-3.00	-0.03	0.00	PAR SUPERIOR	0.0220	-	-	136.30	o.k	1.90	o.k	1.83	o.k	-	-	o.k	0.01	o.k
21	7.52	0.00	ENVOLS	Combination	Min	-3.00	-0.02	-0.34	PAR SUPERIOR	0.0220	-	-	136.53	o.k	459.61	o.k	1.40	o.k	-	-	o.k	-0.55	o.k

CUBIERTA MADERA - CRUJIA 5 - CERCHA TIPO 3

EVALUACION DE DEFORMACIONES



Luz Libre 7.75 m
Deformacion Admisible
2.58 cm CUMPLE
Deforamcion cercha
0.34 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 3- CRUJIA 5

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

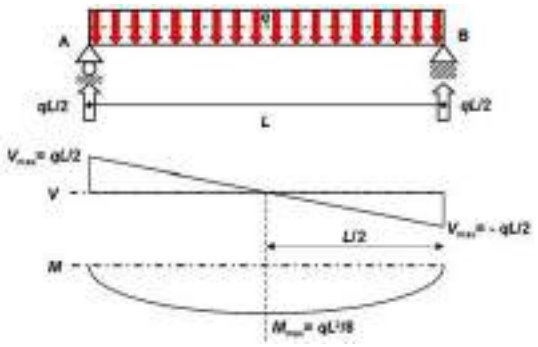
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 1.50 m L Afe= 0.98 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.5 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 49.00 Kg/m
CM= 98.70 Kg/m
W= 71.79 Kg/m



q_U =	**189.30 Kg/m**
$V_{MÀX}$=	**141.97 Kg**
$M_{MÀX}$=	**53.24 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *2.66 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *0.29 cm* < δ Admisible, Cumple

NOTA:

4.11.10.4 Tipo 4

CUBIERTA CRUJIA 5

Corresponde al analisis de la crujia 5 cerchas CH12

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

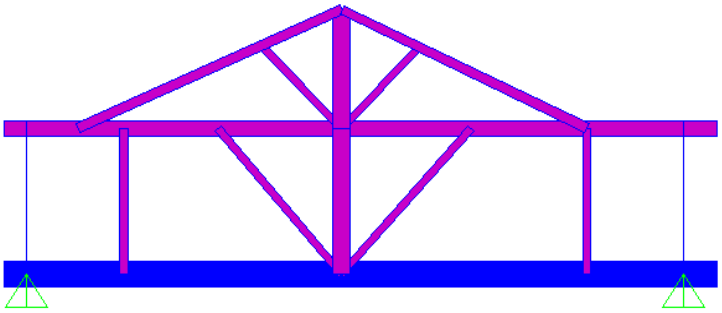
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	0.98	93.10	49.00	**49.00**	**71.79**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	1.20	111.72	58.80	**58.80**	**86.15**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		

Table: Combination Definitions, Part 3 of 3			
ComboName	CaseName	GUID	Notes
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
1	Tube	N.A.	V-MET	V-MET	Default
2	Tube	N.A.	V-MET	V-MET	Default
3	Tube	N.A.	V-MET	V-MET	Default
4	Rectangular	N.A.	TIR 18X10	N.A.	Default
5	Rectangular	N.A.	TIR 18X10	N.A.	Default
6	Rectangular	N.A.	TIR 18X10	N.A.	Default
9	Rectangular	N.A.	PUNT 0.10	N.A.	Default
12	Rectangular	N.A.	PUNT 0.10	N.A.	Default
13	Rectangular	N.A.	TORN 9X9	N.A.	Default
15	Rectangular	N.A.	TORN 9X9	N.A.	Default
17	Rectangular	N.A.	TORN 9X9	N.A.	Default
18	Rectangular	N.A.	TORN 9X9	N.A.	Default
19	Rectangular	N.A.	PEN 20X10	N.A.	Default
20	Rectangular	N.A.	PEN 20X10	N.A.	Default
21	Rectangular	N.A.	PAR 11X10	N.A.	Default
24	Rectangular	N.A.	PAR 11X10	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	Material	Shape	t3	t2	tf	tw
			m	m	m	m
DIAG1010	M-ES2	Rectangular	0.1	0.1		
PAR 11X10	M-ES2	Rectangular	0.11	0.1		
PEN 20X10	M-ES2	Rectangular	0.2	0.1		
PUNT 0.10	M-ES2	Rectangular	0.1	0.1		
TIR 18X10	M-ES2	Rectangular	0.18	0.1		
TORN 9X9	M-ES2	Rectangular	0.09	0.09		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075
V-MET	A992Fy50	Box/Tube	0.305	0.16	0.0025	0.0025

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
DIAG1010	0.01	0.000014	8.333E-06	8.333E-06	0.	0.008333	0.008333
PAR 11X10	0.011	0.000017	0.000011	9.167E-06	0.	0.009167	0.009167
PEN 20X10	0.02	0.000046	0.000067	0.000017	0.	0.016667	0.016667
PUNT 0.10	0.01	0.000014	8.333E-06	8.333E-06	0.	0.008333	0.008333
TIR 18X10	0.018	0.000039	0.000049	0.000015	0.	0.015	0.015
TORN 9X9	0.0081	9.240E-06	5.468E-06	5.468E-06	0.	0.00675	0.00675
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138
V-MET	0.0023	0.000025	0.00003	0.000011	0.	0.001525	0.0008

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
DIAG1010	0.000167	0.000167	0.00025	0.00025	0.028868	0.028868	
PAR 11X10	0.000202	0.000183	0.000303	0.000275	0.031754	0.028868	
PEN 20X10	0.000667	0.000333	0.001	0.0005	0.057735	0.028868	
PUNT 0.10	0.000167	0.000167	0.00025	0.00025	0.028868	0.028868	
TIR 18X10	0.00054	0.0003	0.00081	0.00045	0.051962	0.028868	
TORN 9X9	0.000122	0.000122	0.000182	0.000182	0.025981	0.025981	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286
V-MET	0.000194	0.000138	0.000234	0.00015	0.113351	0.069187	

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
DIAG1010	No	No	Magenta	0.	0.	No	1.
PAR 11X10	No	No	Cyan	51.9	5.29	No	1.
PEN 20X10	No	No	White	43.4	4.43	No	1.
PUNT 0.10	No	No	Cyan	23.94	2.44	No	1.
TIR 18X10	No	No	Magenta	108.36	11.05	No	1.
TORN 9X9	No	No	Blue	41.31	4.21	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.
V-MET	No	No	Cyan	0.	0.	No	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
DIAG1010	1.	1.	1.	1.	1.	1.	1.
PAR 11X10	1.	1.	1.	1.	1.	1.	1.
PEN 20X10	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
PUNT 0.10	1.	1.	1.	1.	1.	1.	1.
TIR 18X10	1.	1.	1.	1.	1.	1.	1.
TORN 9X9	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.
V-MET	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
DIAG1010			
PAR 11X10			
PEN 20X10			
PUNT 0.10			
TIR 18X10			
TORN 9X9			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	
V-MET			

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
DIAG1010	Added 01/06/2017 00:08:57
PAR 11X10	Added 01/06/2017 00:06:46
PEN 20X10	Added 01/06/2017 00:08:01
PUNT 0.10	Added 01/06/2017 00:08:43
TIR 18X10	Added 01/06/2017 00:07:12
TORN 9X9	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro
V-MET	Added 20/07/2017 12:40:33 a. m.

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		0.27	Primary	Gray8Dark	Yes	End
GLOBAL	X		0.89	Primary	Gray8Dark	Yes	End
GLOBAL	X		1.44	Primary	Gray8Dark	Yes	End
GLOBAL	X		2.58	Primary	Gray8Dark	Yes	End
GLOBAL	X		3.14	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.07	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 1 of 2							
CoordSys	AxisDir	GridID	XRYZCoord	LineType	LineColor	Visible	BubbleLoc
			m				
GLOBAL	X		4.99	Primary	Gray8Dark	Yes	End
GLOBAL	X		5.63	Primary	Gray8Dark	Yes	End
GLOBAL	X		7.03	Primary	Gray8Dark	Yes	End
GLOBAL	X		8.2	Primary	Gray8Dark	Yes	End
GLOBAL	X		8.6	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.71	Primary	Gray8Dark	Yes	End
GLOBAL	Z		2.64	Primary	Gray8Dark	Yes	End
GLOBAL	Z		3.1	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	AllVisible	BubbleSize
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
2	PP	GLOBAL	0.	0.	-0.17	0.	0.
3	PP	GLOBAL	0.	0.	-0.17	0.	0.
9	D	GLOBAL	0.	0.	-111.72	0.	0.
9	Lr	GLOBAL	0.	0.	-58.8	0.	0.
9	G	GLOBAL	0.	0.	-58.8	0.	0.
9	W	GLOBAL	0.	0.	-86.15	0.	0.
10	D	GLOBAL	0.	0.	-111.72	0.	0.
10	Lr	GLOBAL	0.	0.	-58.8	0.	0.

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
10	G	GLOBAL	0.	0.	-58.8	0.	0.
10	W	GLOBAL	0.	0.	-86.15	0.	0.
11	D	GLOBAL	0.	0.	-111.72	0.	0.
11	Lr	GLOBAL	0.	0.	-58.8	0.	0.
11	G	GLOBAL	0.	0.	-58.8	0.	0.
11	W	GLOBAL	0.	0.	-86.15	0.	0.
25	D	GLOBAL	0.	0.	-111.72	0.	0.
25	Lr	GLOBAL	0.	0.	-58.8	0.	0.
25	G	GLOBAL	0.	0.	-58.8	0.	0.
25	W	GLOBAL	0.	0.	-86.15	0.	0.
26	D	GLOBAL	0.	0.	-111.72	0.	0.
26	Lr	GLOBAL	0.	0.	-58.8	0.	0.
26	G	GLOBAL	0.	0.	-58.8	0.	0.
26	W	GLOBAL	0.	0.	-86.15	0.	0.
27	D	GLOBAL	0.	0.	-111.72	0.	0.
27	Lr	GLOBAL	0.	0.	-58.8	0.	0.
27	G	GLOBAL	0.	0.	-58.8	0.	0.
27	W	GLOBAL	0.	0.	-86.15	0.	0.
28	D	GLOBAL	0.	0.	-111.72	0.	0.
28	Lr	GLOBAL	0.	0.	-58.8	0.	0.
28	G	GLOBAL	0.	0.	-58.8	0.	0.
28	W	GLOBAL	0.	0.	-86.15	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
2	PP	0.	3dab72c6-c3bc-4c12-8363-cfbd24f727a5
3	PP	0.	0d83bdc0-3562-4a62-9444-a3945a959b07
9	D	0.	0e130e8f-1e76-4d39-8e8f-e45bef390aa1
9	Lr	0.	43af0847-e39a-4cda-862e-d3d91395408e
9	G	0.	c2beaf6a-ed7c-49f4-a99d-451212f5e360
9	W	0.	2a925f8e-70bb-48f2-895d-6ebf37772dd8
10	D	0.	10a01b3e-7930-4826-8849-4eb2e5b00091
10	Lr	0.	0f16d8e1-16ab-43ce-831e-7645b826b602
10	G	0.	ae463683-ac3e-48f3-aad5-4d2600997067
10	W	0.	428db609-daee-41ce-be0b-15fb8821d64b
11	D	0.	4bce40e5-1e19-4884-b034-09761429fbc5

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
11	Lr	0.	8336fe62-0613-416b-b28a-7bd48a842d9f
11	G	0.	9dbf7c4c-b356-42f0-af6d-d8912de39d09
11	W	0.	176b47c6-110b-44a7-bf40-1e09d7945486
25	D	0.	1f6434a1-2eea-4ce8-a963-deab825a84d9
25	Lr	0.	adae9708-df46-434a-8385-61bf43421afa
25	G	0.	1897dbc0-88de-438e-85a1-7505af93528e
25	W	0.	677a28b3-0b95-4ab8-afd3-36bac3c4ec68
26	D	0.	e3ff0a7b-9d94-48c3-97a2-9f5c28bdc0a5
26	Lr	0.	52fd7324-7cc5-465f-a3d8-cda0d6952fb6
26	G	0.	6e09c32d-979f-4189-a312-649cb7252555
26	W	0.	6b4f14b3-9957-41c4-84de-849f7b55e94e
27	D	0.	753afce0-e7be-41a3-9a3c-97e7e0137deb
27	Lr	0.	830869e9-adbf-4119-bbe4-87b7d8ebb03b
27	G	0.	6e6119b5-0f5d-4117-985b-97534f676f32
27	W	0.	9548e276-0e01-47be-af69-95455a574f05
28	D	0.	7c6dc398-b7c4-49a3-a4bd-bccbdf580131
28	Lr	0.	5b960cf4-d905-47cb-881f-65b5fc09a898
28	G	0.	d1c1a48d-cfe2-4dae-a8a0-9a6f469fa0b7
28	W	0.	4c216424-6ecc-43ba-a3b5-0380a038ecaa

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	**Type**	**InitialCond**	**ModalCase**	**BaseCase**	**MassSource**	**DesTypeOpt**	**DesignType**
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	**DesActOpt**	**DesignAct**	**AutoType**	**RunCase**	**CaseStatus**	**GUID**
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
D	
MODAL	
Lr	
W	
G	
PP	

Table: Material Properties 01 - General, Part 1 of 2

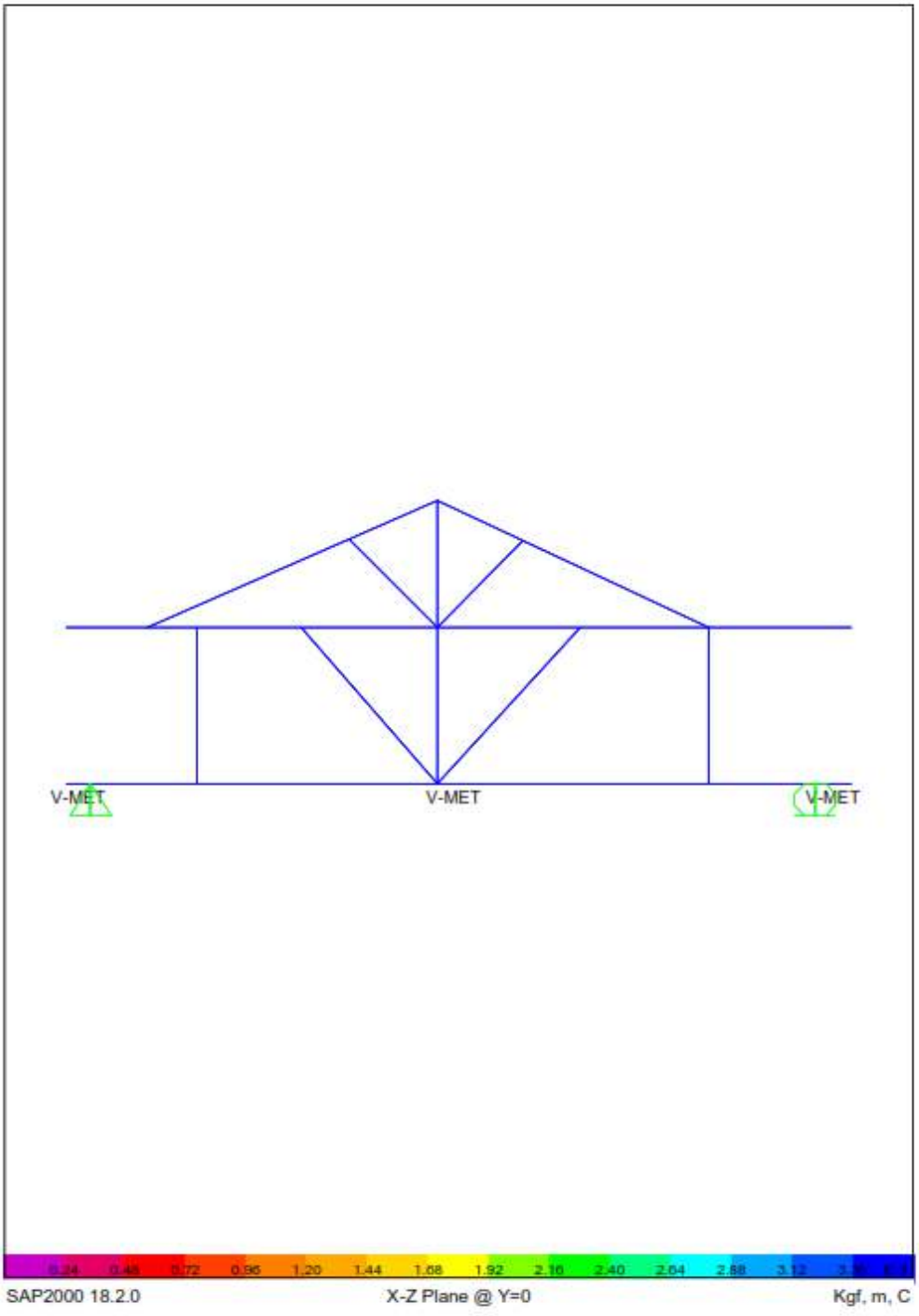
Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A-653	Steel	Isotropic	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
M-ES6	Other	Isotropic	No	4227327	

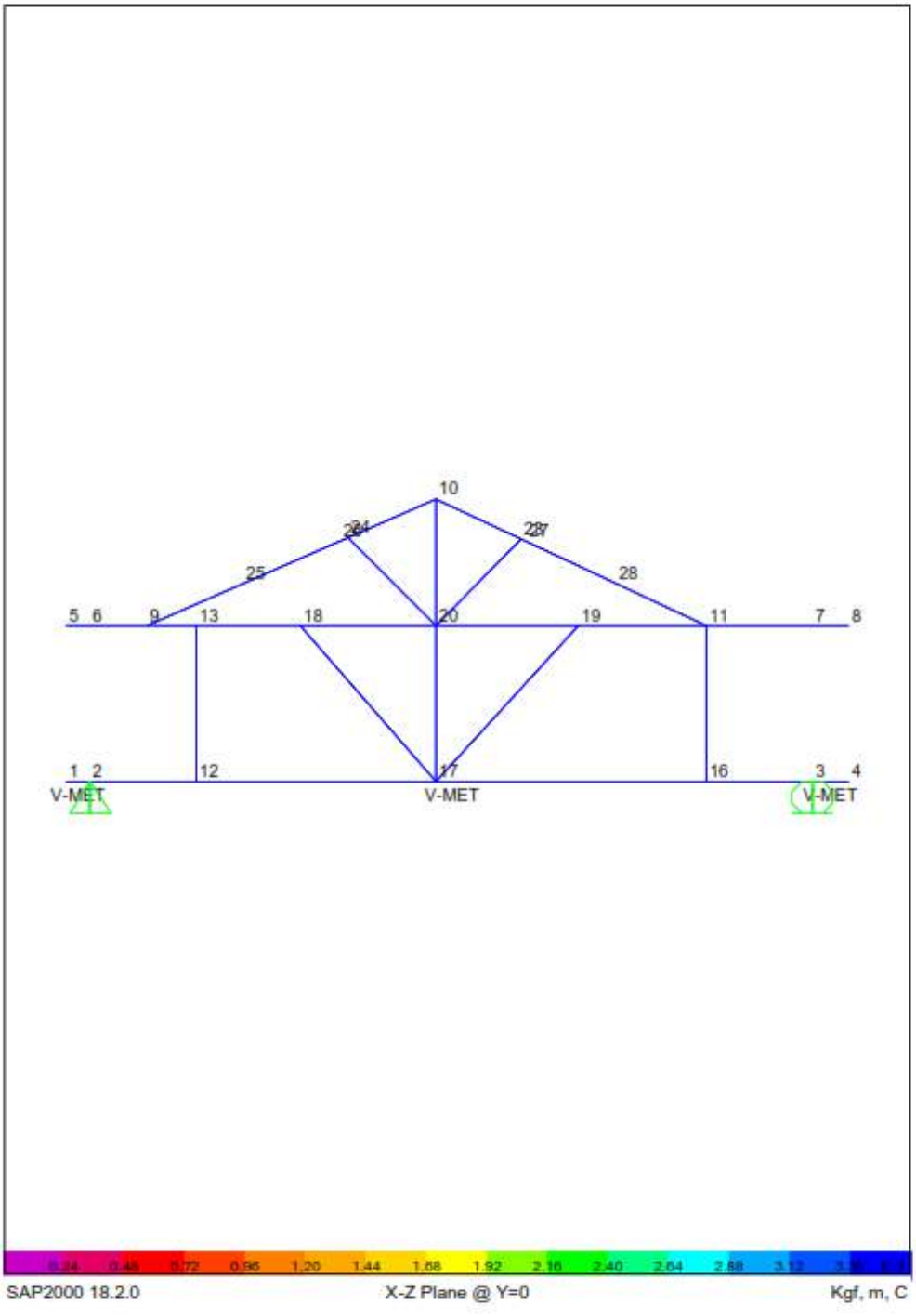
Table: Material Properties 01 - General, Part 2 of 2

Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A-653	Fabricacion NTC 5685 ASTM A653 TOMADO DE CATALOGO ACESCO
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

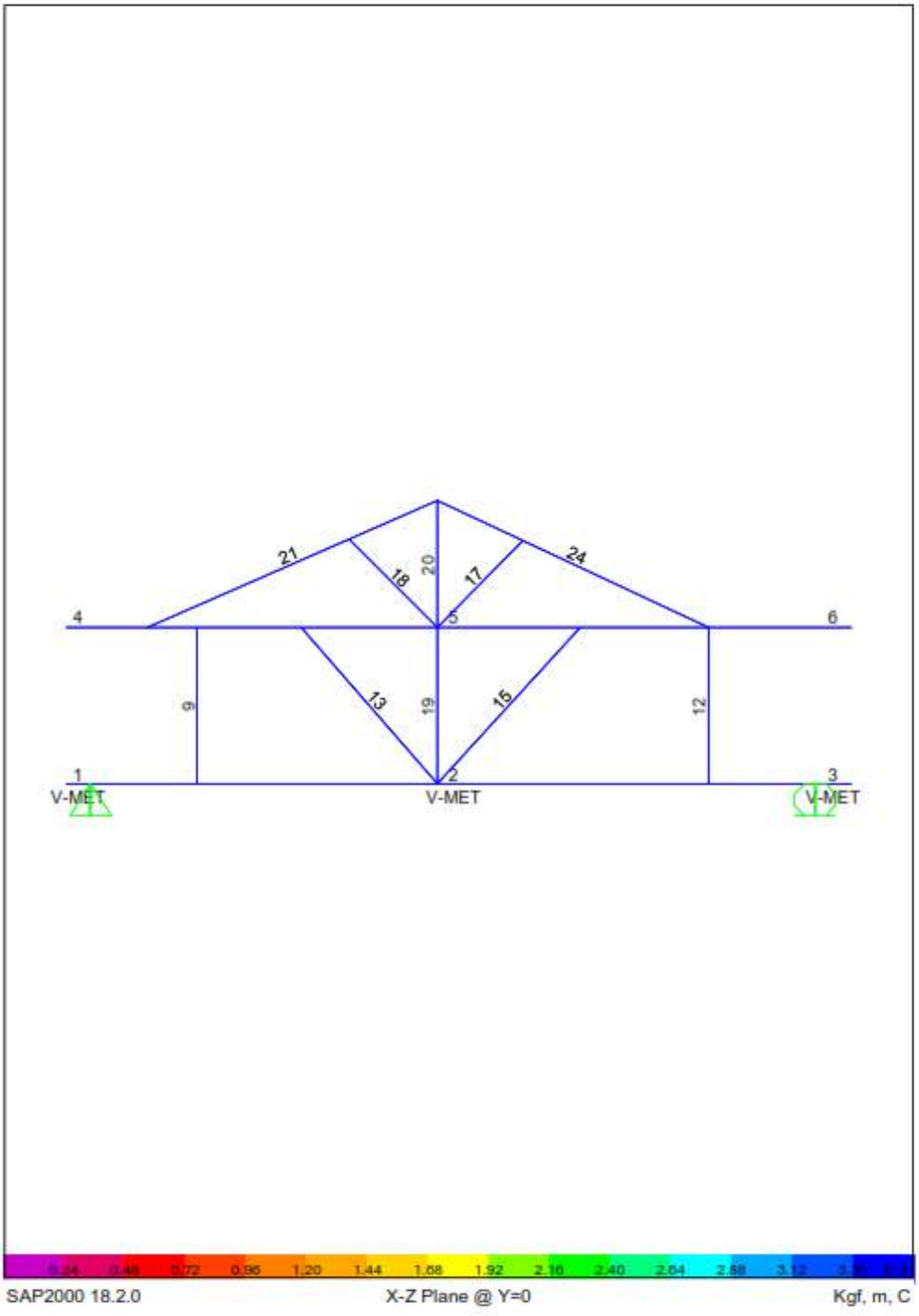
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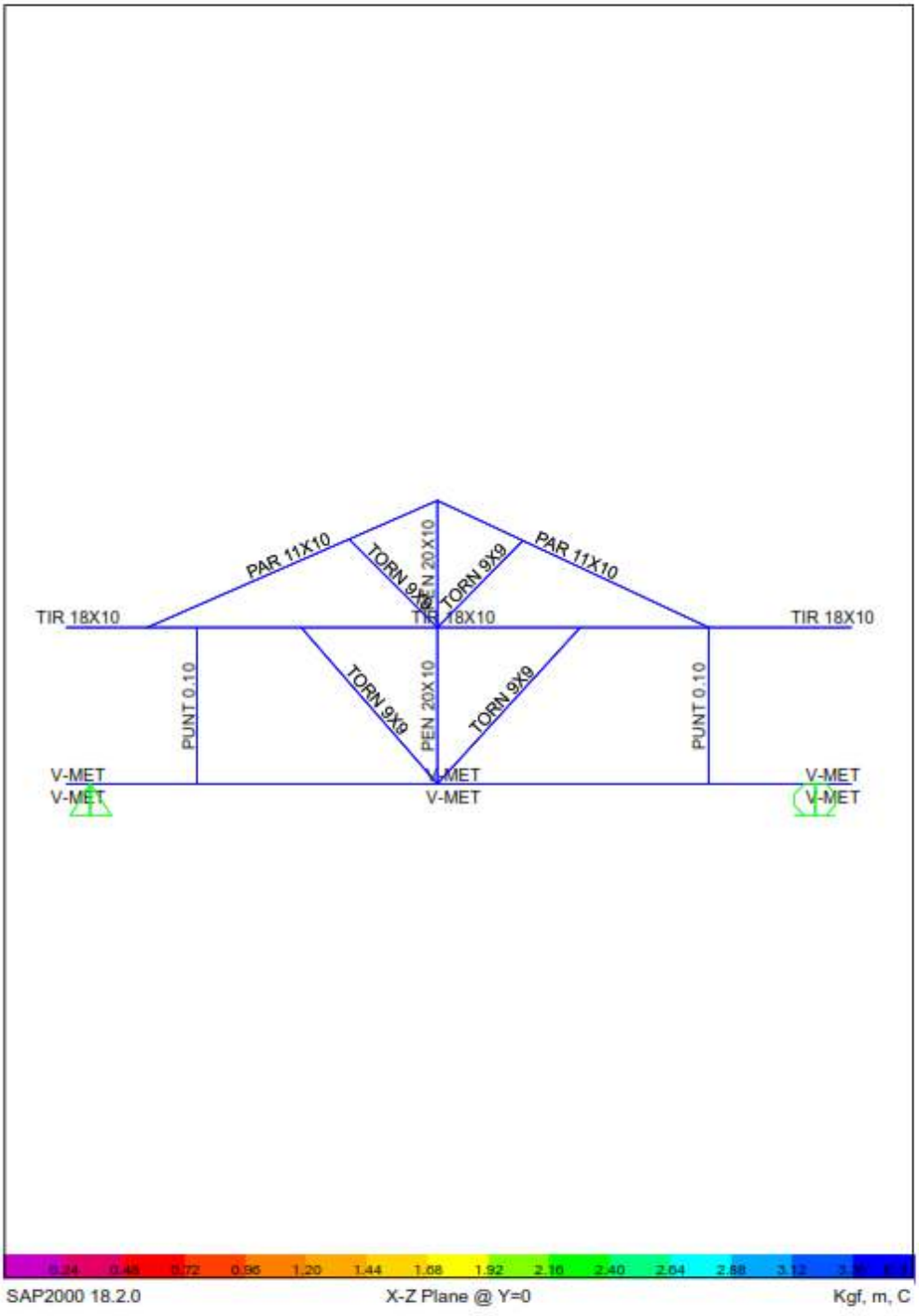
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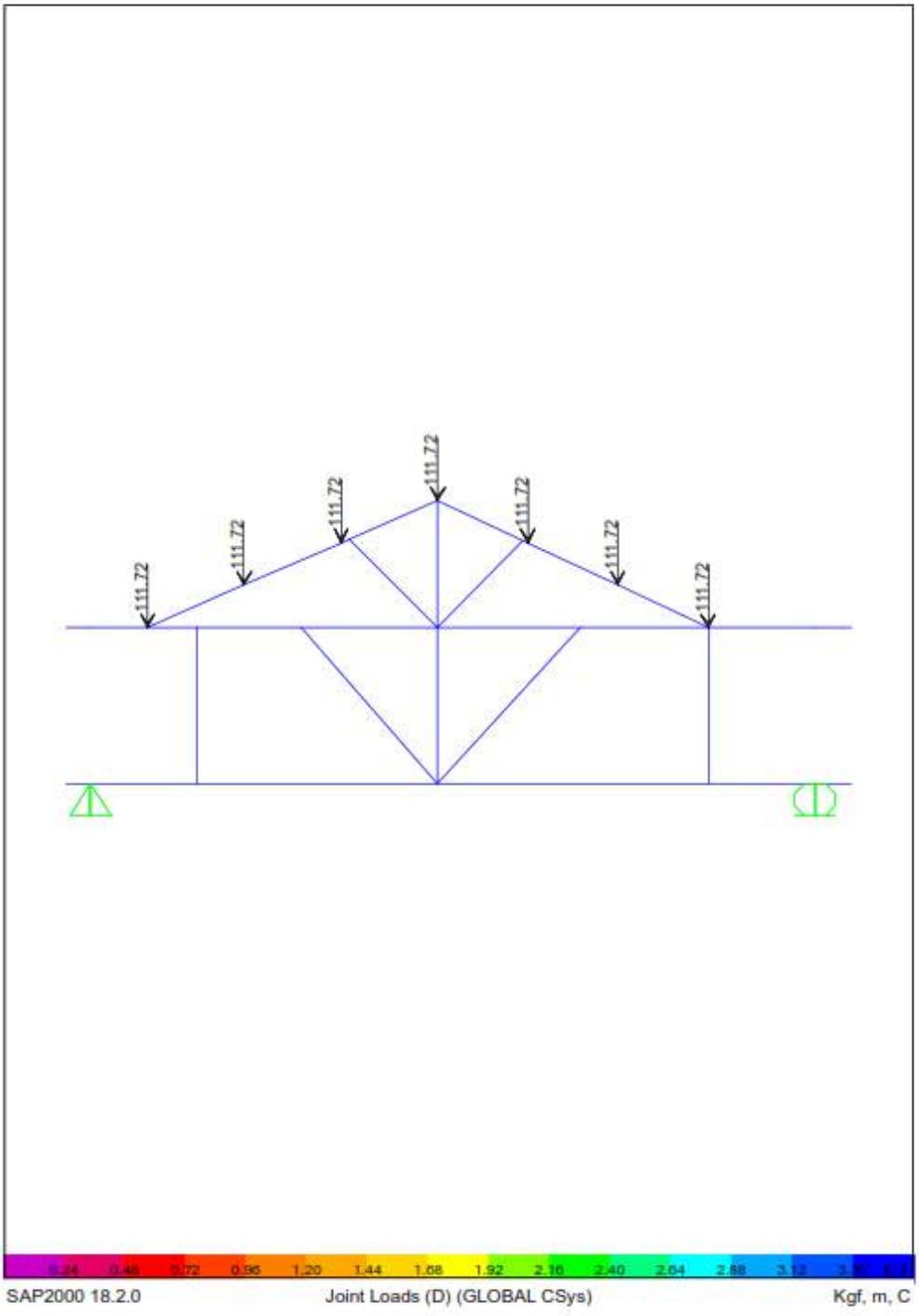
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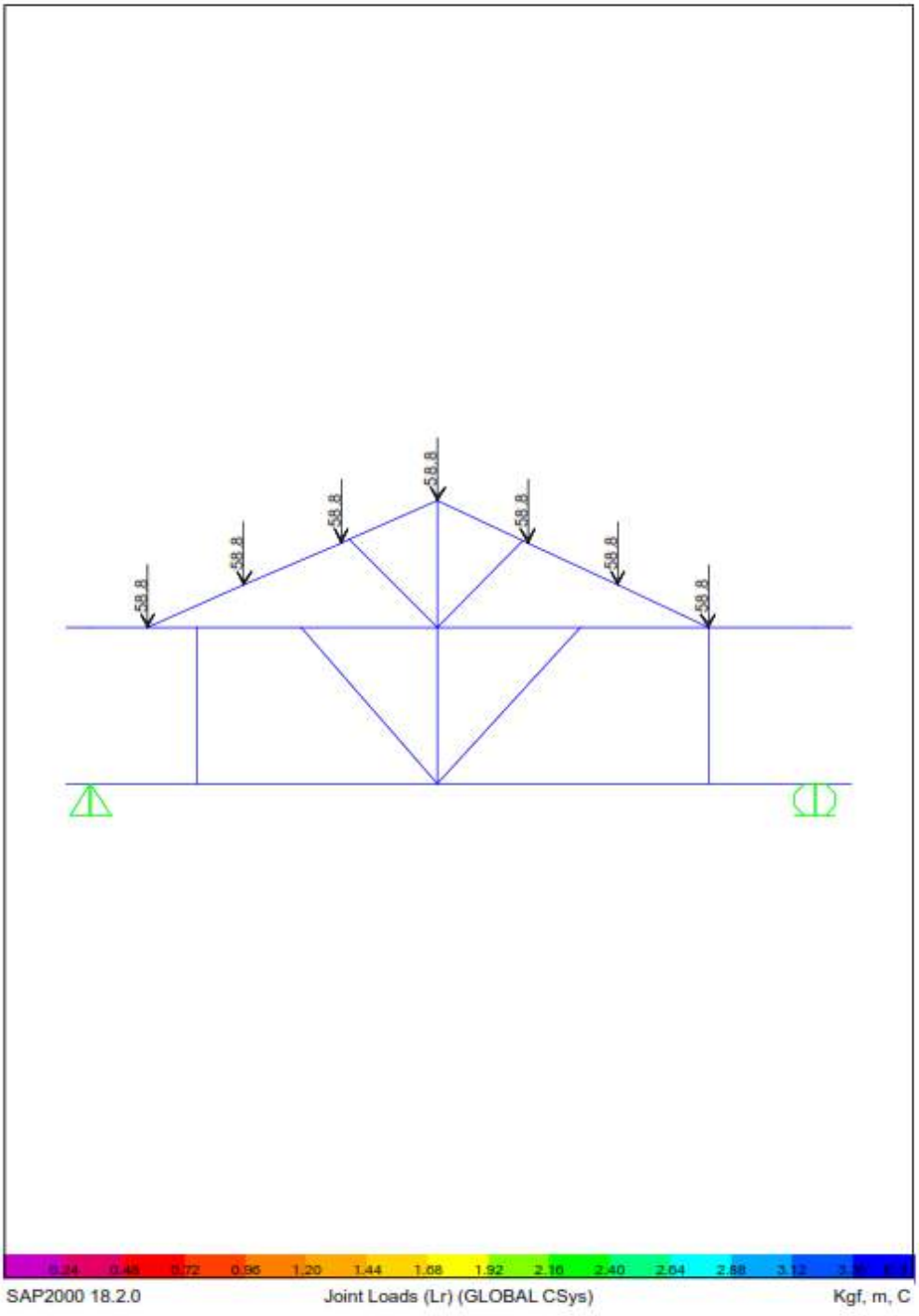
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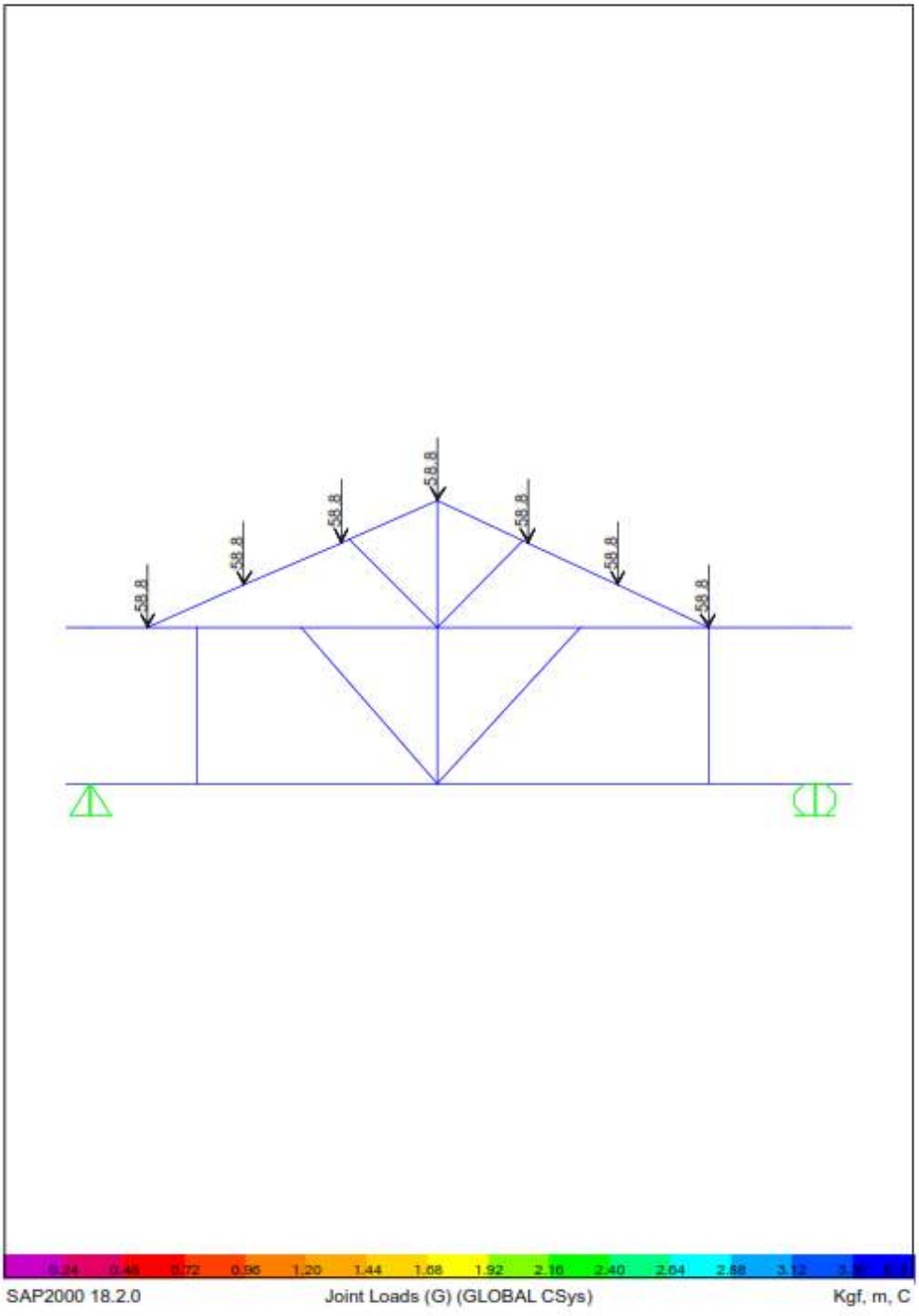
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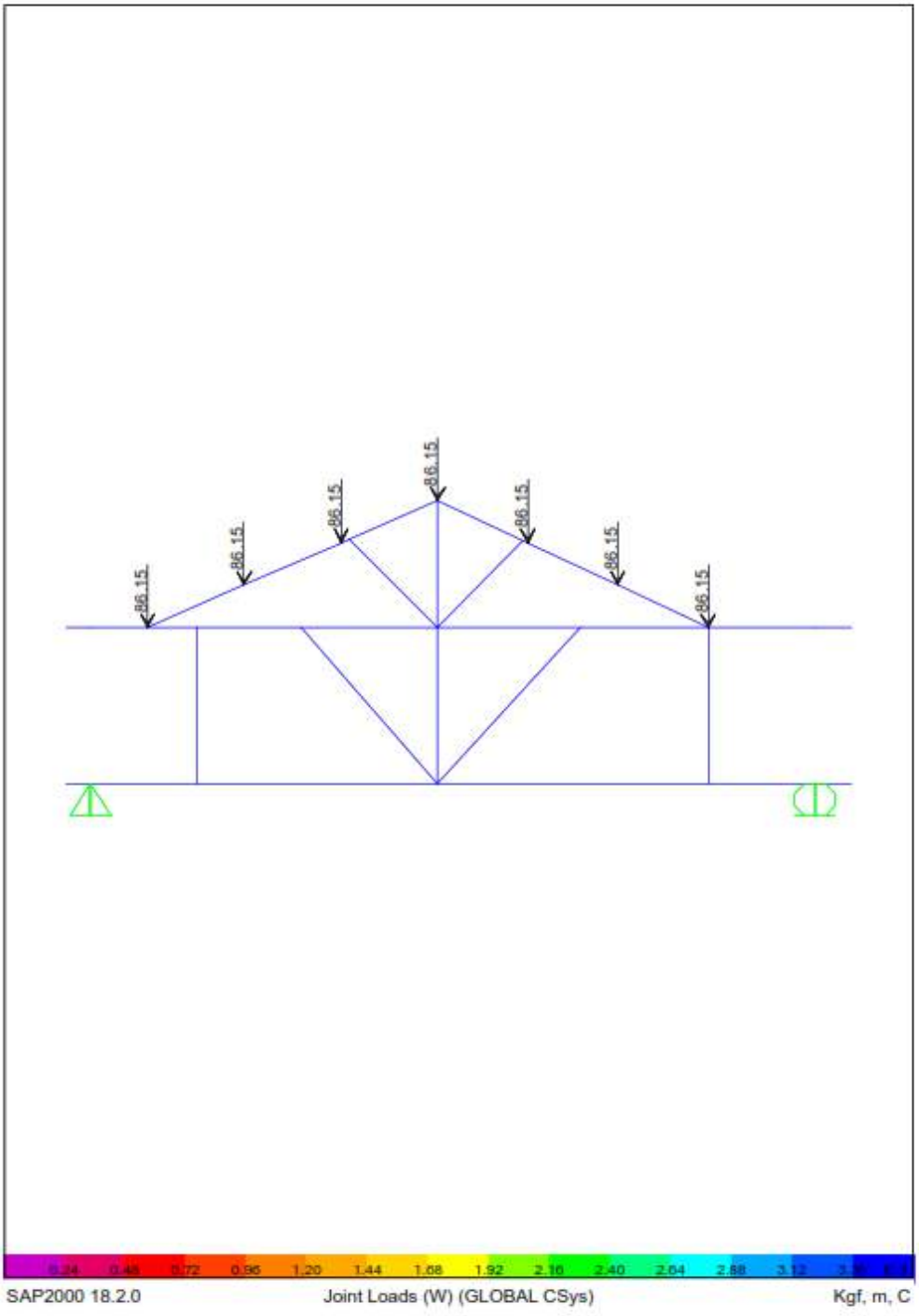
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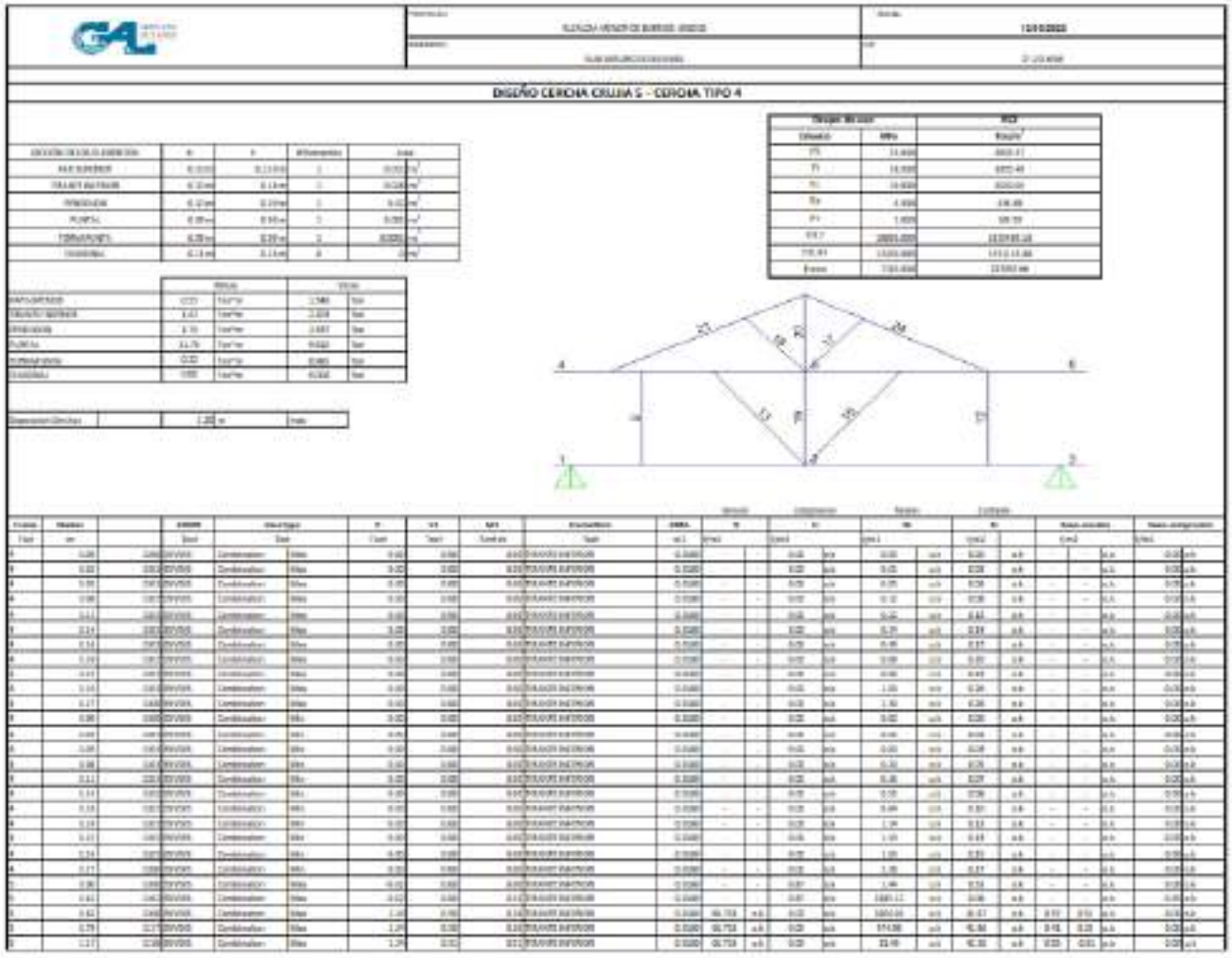
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CERCHA TIPO 4.sdb



Análisis Elementos Grupo ES2



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
5	1.17	0.00	ENVDIS	Combination	Max	1.24	-0.01	0.01	TIRANTE INFERIOR	0.0160	68.728	o.k	0.00	o.k	31.49	o.k	0.47	o.k	0.05	-0.01	o.k	0.00	o.k
5	1.59	0.42	ENVDIS	Combination	Max	1.24	0.00	0.04	TIRANTE INFERIOR	0.0160	68.728	o.k	0.00	o.k	196.26	o.k	0.20	o.k	0.11	0.05	o.k	0.00	o.k
5	2.31	0.72	ENVDIS	Combination	Max	1.24	0.00	0.09	TIRANTE INFERIOR	0.0160	68.728	o.k	0.00	o.k	457.34	o.k	0.26	o.k	0.21	0.15	o.k	0.00	o.k
5	2.31	0.00	ENVDIS	Combination	Max	1.12	0.08	0.09	TIRANTE INFERIOR	0.0160	62.044	o.k	0.00	o.k	457.34	o.k	6.57	o.k	0.21	0.15	o.k	0.00	o.k
5	2.38	0.07	ENVDIS	Combination	Max	1.12	0.08	0.09	TIRANTE INFERIOR	0.0160	62.044	o.k	0.00	o.k	431.06	o.k	6.44	o.k	0.20	0.14	o.k	0.00	o.k
5	3.17	0.79	ENVDIS	Combination	Max	1.12	0.09	0.02	TIRANTE INFERIOR	0.0160	62.044	o.k	0.00	o.k	107.65	o.k	7.27	o.k	0.07	0.02	o.k	0.00	o.k
5	3.80	0.63	ENVDIS	Combination	Max	1.12	0.10	0.00	TIRANTE INFERIOR	0.0160	62.044	o.k	0.00	o.k	17.06	o.k	7.93	o.k	0.04	-0.02	o.k	0.00	o.k
5	3.80	0.00	ENVDIS	Combination	Max	1.11	-0.01	0.00	TIRANTE INFERIOR	0.0160	61.639	o.k	0.00	o.k	17.06	o.k	0.73	o.k	0.04	-0.02	o.k	0.00	o.k
5	3.97	0.17	ENVDIS	Combination	Max	1.11	-0.01	0.00	TIRANTE INFERIOR	0.0160	61.639	o.k	0.00	o.k	10.41	o.k	0.62	o.k	0.04	-0.02	o.k	0.00	o.k
5	4.76	0.79	ENVDIS	Combination	Max	1.11	0.00	0.00	TIRANTE INFERIOR	0.0160	61.639	o.k	0.00	o.k	7.34	o.k	0.12	o.k	0.04	-0.02	o.k	0.00	o.k
5	5.36	0.60	ENVDIS	Combination	Max	1.11	0.00	0.01	TIRANTE INFERIOR	0.0160	61.639	o.k	0.00	o.k	51.14	o.k	0.25	o.k	0.05	-0.01	o.k	0.00	o.k
5	5.36	0.00	ENVDIS	Combination	Max	0.98	0.00	0.01	TIRANTE INFERIOR	0.0160	54.289	o.k	0.00	o.k	51.14	o.k	0.25	o.k	0.04	-0.01	o.k	0.00	o.k
5	5.55	0.19	ENVDIS	Combination	Max	0.98	0.00	0.04	TIRANTE INFERIOR	0.0160	54.289	o.k	0.00	o.k	177.12	o.k	0.13	o.k	0.10	0.05	o.k	0.00	o.k
5	6.34	0.79	ENVDIS	Combination	Max	0.98	0.00	0.15	TIRANTE INFERIOR	0.0160	54.289	o.k	0.00	o.k	758.93	o.k	0.57	o.k	0.32	0.27	o.k	0.00	o.k
5	6.79	0.42	ENVDIS	Combination	Max	0.98	0.01	0.21	TIRANTE INFERIOR	0.0160	54.289	o.k	0.00	o.k	1048.48	o.k	0.62	o.k	0.45	0.38	o.k	0.00	o.k
5	6.79	0.00	ENVDIS	Combination	Max	-0.02	0.18	0.18	TIRANTE INFERIOR	0.0160	-	-	0.93	o.k	895.11	o.k	15.06	o.k	-	-	o.k	0.34	o.k
5	7.14	0.58	ENVDIS	Combination	Max	-0.02	0.18	0.11	TIRANTE INFERIOR	0.0160	-	-	0.93	o.k	550.81	o.k	15.46	o.k	-	-	o.k	0.21	o.k
5	7.93	0.00	ENVDIS	Combination	Max	-0.02	0.20	0.00	TIRANTE INFERIOR	0.0160	-	-	0.93	o.k	7.88	o.k	16.29	o.k	-	-	o.k	0.00	o.k
5	0.00	0.00	ENVDIS	Combination	Min	-0.84	-0.68	-0.18	TIRANTE INFERIOR	0.0160	-	-	35.71	o.k	882.94	o.k	56.38	o.k	-	-	o.k	0.34	o.k
5	0.62	0.62	ENVDIS	Combination	Min	-0.84	-0.67	0.00	TIRANTE INFERIOR	0.0160	-	-	35.71	o.k	5.50	o.k	55.75	o.k	-	-	o.k	0.00	o.k
5	0.62	0.00	ENVDIS	Combination	Min	0.02	-0.01	0.00	TIRANTE INFERIOR	0.0160	1.085	o.k	0.00	o.k	16.96	o.k	0.72	o.k	0.01	0.01	o.k	0.00	o.k
5	0.79	0.17	ENVDIS	Combination	Min	0.02	-0.01	0.00	TIRANTE INFERIOR	0.0160	1.085	o.k	0.00	o.k	10.17	o.k	0.60	o.k	0.00	0.00	o.k	0.00	o.k
5	1.17	0.38	ENVDIS	Combination	Min	0.02	0.00	0.00	TIRANTE INFERIOR	0.0160	1.085	o.k	0.00	o.k	0.69	o.k	0.37	o.k	0.00	0.00	o.k	0.00	o.k
5	1.17	0.00	ENVDIS	Combination	Min	0.02	-0.08	0.00	TIRANTE INFERIOR	0.0160	1.085	o.k	0.00	o.k	0.69	o.k	6.87	o.k	0.00	0.00	o.k	0.00	o.k
5	1.59	0.42	ENVDIS	Combination	Min	0.02	-0.08	0.00	TIRANTE INFERIOR	0.0160	1.085	o.k	0.00	o.k	8.93	o.k	6.44	o.k	0.00	0.00	o.k	0.00	o.k
5	2.31	0.72	ENVDIS	Combination	Min	0.02	-0.07	0.00	TIRANTE INFERIOR	0.0160	1.085	o.k	0.00	o.k	7.83	o.k	5.68	o.k	0.00	0.00	o.k	0.00	o.k
5	2.31	0.00	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0160	1.528	o.k	0.00	o.k	7.83	o.k	0.19	o.k	0.00	0.00	o.k	0.00	o.k
5	2.38	0.07	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0160	1.528	o.k	0.00	o.k	8.48	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
5	3.17	0.79	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0160	1.528	o.k	0.00	o.k	3.57	o.k	0.36	o.k	0.00	0.00	o.k	0.00	o.k
5	3.80	0.63	ENVDIS	Combination	Min	0.03	0.01	-0.04	TIRANTE INFERIOR	0.0160	1.528	o.k	0.00	o.k	176.38	o.k	0.75	o.k	0.07	0.07	o.k	0.00	o.k
5	3.80	0.00	ENVDIS	Combination	Min	0.03	-0.04	-0.04	TIRANTE INFERIOR	0.0160	1.539	o.k	0.00	o.k	176.38	o.k	3.06	o.k	0.07	0.07	o.k	0.00	o.k
5	3.97	0.17	ENVDIS	Combination	Min	0.03	-0.03	-0.03	TIRANTE INFERIOR	0.0160	1.539	o.k	0.00	o.k	147.22	o.k	2.88	o.k	0.06	0.06	o.k	0.00	o.k
5	4.76	0.79	ENVDIS	Combination	Min	0.03	-0.02	-0.01	TIRANTE INFERIOR	0.0160	1.539	o.k	0.00	o.k	30.94	o.k	2.05	o.k	0.01	0.01	o.k	0.00	o.k
5	5.36	0.60	ENVDIS	Combination	Min	0.03	-0.02	0.00	TIRANTE INFERIOR	0.0160	1.539	o.k	0.00	o.k	5.06	o.k	1.42	o.k	0.00	0.00	o.k	0.00	o.k
5	5.36	0.00	ENVDIS	Combination	Min	0.02	-0.16	0.00	TIRANTE INFERIOR	0.0160	1.028	o.k	0.00	o.k	5.06	o.k	12.95	o.k	0.00	0.00	o.k	0.00	o.k
5	5.55	0.19	ENVDIS	Combination	Min	0.02	-0.15	0.00	TIRANTE INFERIOR	0.0160	1.028	o.k	0.00	o.k	7.29	o.k	12.75	o.k	0.00	0.00	o.k	0.00	o.k
5	6.34	0.79	ENVDIS	Combination	Min	0.02	-0.14	0.00	TIRANTE INFERIOR	0.0160	1.028	o.k	0.00	o.k	1.79	o.k	11.92	o.k	0.00	0.00	o.k	0.00	o.k
5	6.79	0.42	ENVDIS	Combination	Min	0.02	-0.14	0.00	TIRANTE INFERIOR	0.0160	1.028	o.k	0.00	o.k	10.51	o.k	11.47	o.k	0.00	0.00	o.k	0.00	o.k
5	6.79	0.00	ENVDIS	Combination	Min	-0.90	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	49.74	o.k	10.21	o.k	0.11	o.k	-	-	o.k	0.00	o.k
5	7.14	0.58	ENVDIS	Combination	Min	-0.90	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	49.74	o.k	9.97	o.k	0.12	o.k	-	-	o.k	0.00	o.k
5	7.93	0.00	ENVDIS	Combination	Min	-0.90	0.01	-0.04	TIRANTE INFERIOR	0.0160	-	-	49.74	o.k	198.15	o.k	0.62	o.k	-	-	o.k	0.16	o.k
6	0.00	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	2.88	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	0.04	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	2.43	o.k	0.22	o.k	-	-	o.k	0.00	o.k
6	0.08	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	1.93	o.k	0.20	o.k	-	-	o.k	0.00	o.k
6	0.12	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	1.49	o.k	0.17	o.k	-	-	o.k	0.00	o.k
6	0.16	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	1.09	o.k	0.15	o.k	-	-	o.k	0.00	o.k
6	0.20	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.74	o.k	0.12	o.k	-	-	o.k	0.00	o.k
6	0.24	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.48	o.k	0.10	o.k	-	-	o.k	0.00	o.k
6	0.28	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.27	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	0.32	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.12	o.k	0.05	o.k	-	-	o.k	0.00	o.k
6	0.36	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.03	o.k	0.03	o.k	-	-	o.k	0.00	o.k
6	0.40	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.00	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Min	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	5.01	o.k	0.42	o.k	-	-	o.k	0.00	o.k
6	0.04	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	4.07	o.k	0.37	o.k	-	-	o.k	0.00	o.k
6	0.08	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	3.22	o.k	0.33	o.k	-	-	o.k	0.00	o.k
6	0.12	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	2.43	o.k	0.29	o.k	-	-	o.k	0.00	o.k
6	0.16	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	1.79	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	0.20	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	1.24	o.k	0.21	o.k	-	-	o.k	0.00	o.k
6	0.24	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.79	o.k	0.17	o.k	-	-	o.k	0.00	o.k
6	0.28	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.45	o.k	0.12	o.k	-	-	o.k	0.00	o.k
6	0.32	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.20	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	0.36	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0160	-	-	0.00	o.k	0.05	o.k	0.04	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.40	0.00	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	0.00	o.k	0.00	o.k	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.10	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.17	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.34	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.51	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.68	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.07	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.86	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.03	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.05	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.20	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.04	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.37	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.54	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.02	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.71	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.17	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.41	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.34	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.40	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.51	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.38	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.68	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.37	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.86	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.35	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.03	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.34	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.20	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.32	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.37	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.31	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.54	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.29	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.71	0.00	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.28	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.17	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.34	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.51	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.07	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.68	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.86	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.05	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.03	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.04	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.20	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.37	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.02	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.54	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.71	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.24	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.17	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.34	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.21	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.51	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.68	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.18	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.86	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.03	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.20	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.13	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.37	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.12	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.54	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.10	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.71	0.00	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
13	0.00	0.00	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.012	o.k	0.00	o.k	0.00	-	0.46	o.k	0.01	-0.01	o.k	0.00	o.k
13	0.23	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.136	o.k	0.00	o.k	4.26	o.k	0.37	o.k	0.01	-0.01	o.k	0.00	o.k
13	0.45	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.259	o.k	0.00	o.k	7.59	o.k	0.28	o.k	0.02	-0.01	o.k	0.00	o.k
13	0.68	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.370	o.k	0.00	o.k	9.97	o.k	0.19	o.k	0.02	0.00	o.k	0.00	o.k
13	0.91	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.484	o.k	0.00	o.k	11.40	o.k	0.09	o.k	0.02	0.00	o.k	0.00	o.k
13	1.13	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.617	o.k	0.00	o.k	11.90	o.k	0.00	o.k	0.02	0.00	o.k	0.00	o.k
13	1.36	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.728	o.k	0.00	o.k	11.40	o.k	0.16	o.k	0.02	0.00	o.k	0.00	o.k
13	1.59	0.23	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	22.852	o.k	0.00	o.k	9.97	o.k	0.31	o.k	0.02	0.00	o.k	0.00	o.k
13	1.81	0.23	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	22.975	o.k	0.00	o.k	7.59	o.k	0.46	o.k	0.02	-0.01	o.k	0.00	o.k
13	2.04	0.23	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	23.099	o.k	0.00	o.k	4.26	o.k	0.63	o.k	0.01	-0.01	o.k	0.00	o.k
13	2.27	0.00	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	23.230	o.k	0.00	o.k	0.00	o.k	0.78	o.k	0.01	-0.01	o.k	0.00	o.k
13	0.00	0.00	ENVDIS	Combination	Min	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.86	o.k	0.00	-	0.78	o.k	-	-	o.k	0.00	o.k
13	0.23	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.79	o.k	2.58	o.k	0.63	o.k	-	-	o.k	0.00	o.k
13	0.45	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.72	o.k	4.56	o.k	0.46	o.k	-	-	o.k	0.00	o.k
13	0.68	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.64	o.k	6.00	o.k	0.31	o.k	-	-	o.k	0.00	o.k
13	0.91	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.58	o.k	6.84	o.k	0.16	o.k	-	-	o.k	0.00	o.k
13	1.13	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.51	o.k	7.14	o.k	0.00	o.k	-	-	o.k	0.00	o.k

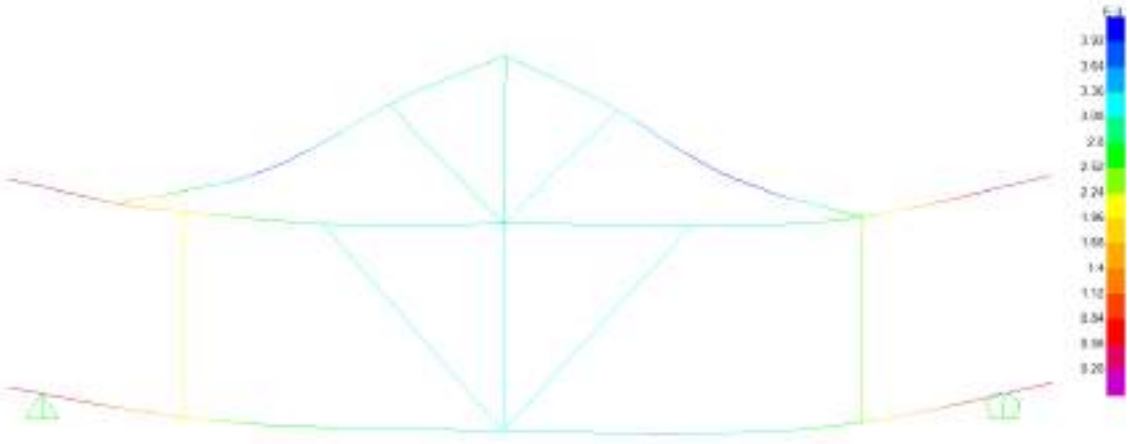
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
13	1.36	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.43	o.k	6.84	o.k	0.09	o.k	-	-	o.k	0.00	o.k
13	1.59	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.36	o.k	6.00	o.k	0.19	o.k	-	-	o.k	0.00	o.k
13	1.81	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.28	o.k	4.56	o.k	0.28	o.k	-	-	o.k	0.00	o.k
13	2.04	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.21	o.k	2.58	o.k	0.37	o.k	-	-	o.k	0.00	o.k
13	2.27	0.00	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.15	o.k	0.00	o.k	0.46	o.k	-	-	o.k	0.00	o.k
15	0.00	0.00	ENVDIS	Combination	Max	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	2.04	o.k	0.00	-	0.50	o.k	-	-	o.k	0.00	o.k
15	0.23	0.23	ENVDIS	Combination	Max	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.96	o.k	4.56	o.k	0.59	o.k	-	-	o.k	0.00	o.k
15	0.46	0.23	ENVDIS	Combination	Max	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.89	o.k	8.13	o.k	0.50	o.k	-	-	o.k	0.00	o.k
15	0.69	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.81	o.k	10.66	o.k	0.20	o.k	-	-	o.k	0.00	o.k
15	0.93	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.74	o.k	12.20	o.k	0.10	o.k	-	-	o.k	0.00	o.k
15	1.16	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.68	o.k	12.69	o.k	0.00	o.k	-	-	o.k	0.00	o.k
15	1.39	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.60	o.k	12.20	o.k	0.16	o.k	-	-	o.k	0.00	o.k
15	1.62	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.53	o.k	10.66	o.k	0.33	o.k	-	-	o.k	0.00	o.k
15	1.85	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.46	o.k	8.13	o.k	0.50	o.k	-	-	o.k	0.00	o.k
15	2.08	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.38	o.k	4.56	o.k	0.65	o.k	-	-	o.k	0.00	o.k
15	2.31	0.00	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.31	o.k	0.00	o.k	0.81	o.k	-	-	o.k	0.00	o.k
15	0.00	0.00	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.81	o.k	0.00	-	0.81	o.k	-	-	o.k	0.00	o.k
15	0.23	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.70	o.k	2.73	o.k	0.65	o.k	-	-	o.k	0.00	o.k
15	0.46	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.58	o.k	4.86	o.k	0.50	o.k	-	-	o.k	0.00	o.k
15	0.69	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.46	o.k	6.40	o.k	0.33	o.k	-	-	o.k	0.00	o.k
15	0.93	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.33	o.k	7.29	o.k	0.16	o.k	-	-	o.k	0.00	o.k
15	1.16	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.22	o.k	7.64	o.k	0.00	o.k	-	-	o.k	0.00	o.k
15	1.39	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.10	o.k	7.29	o.k	0.10	o.k	-	-	o.k	0.00	o.k
15	1.62	0.23	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.98	o.k	6.40	o.k	0.20	o.k	-	-	o.k	0.00	o.k
15	1.85	0.23	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.86	o.k	4.86	o.k	0.50	o.k	-	-	o.k	0.00	o.k
15	2.08	0.23	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.74	o.k	2.73	o.k	0.59	o.k	-	-	o.k	0.00	o.k
15	2.31	0.00	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.62	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
17	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.407	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
17	0.13	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.444	o.k	0.00	o.k	1.59	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
17	0.27	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.494	o.k	0.00	o.k	2.83	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
17	0.40	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.531	o.k	0.00	o.k	3.72	o.k	0.12	o.k	0.00	0.00	o.k	0.00	o.k
17	0.53	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.568	o.k	0.00	o.k	4.21	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
17	0.67	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.605	o.k	0.00	o.k	4.41	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
17	0.80	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.654	o.k	0.00	o.k	4.21	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
17	0.93	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.691	o.k	0.00	o.k	3.72	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
17	1.07	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.728	o.k	0.00	o.k	2.83	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
17	1.20	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.765	o.k	0.00	o.k	1.59	o.k	0.39	o.k	0.00	0.00	o.k	0.00	o.k
17	1.34	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.802	o.k	0.00	o.k	0.00	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
17	0.00	0.00	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.05	o.k	0.00	-	0.50	o.k	-	-	o.k	0.00	o.k
17	0.13	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.99	o.k	0.94	o.k	0.39	o.k	-	-	o.k	0.00	o.k
17	0.27	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.93	o.k	1.69	o.k	0.30	o.k	-	-	o.k	0.00	o.k
17	0.40	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.85	o.k	2.23	o.k	0.20	o.k	-	-	o.k	0.00	o.k
17	0.53	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.79	o.k	2.53	o.k	0.10	o.k	-	-	o.k	0.00	o.k
17	0.67	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.72	o.k	2.63	o.k	0.00	o.k	-	-	o.k	0.00	o.k
17	0.80	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.65	o.k	2.53	o.k	0.06	o.k	-	-	o.k	0.00	o.k
17	0.93	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.59	o.k	2.23	o.k	0.12	o.k	-	-	o.k	0.00	o.k
17	1.07	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.52	o.k	1.69	o.k	0.18	o.k	-	-	o.k	0.00	o.k
17	1.20	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.46	o.k	0.94	o.k	0.24	o.k	-	-	o.k	0.00	o.k
17	1.34	0.00	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.40	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
18	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.420	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
18	0.14	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.457	o.k	0.00	o.k	1.69	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
18	0.27	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.494	o.k	0.00	o.k	2.98	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
18	0.41	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.531	o.k	0.00	o.k	3.92	o.k	0.12	o.k	0.00	0.00	o.k	0.00	o.k
18	0.55	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.580	o.k	0.00	o.k	4.46	o.k	0.06	o.k	0.00	0.00	o.k	0.00	o.k
18	0.68	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.617	o.k	0.00	o.k	4.66	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
18	0.82	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.654	o.k	0.00	o.k	4.46	o.k	0.10	o.k	0.00	0.00	o.k	0.00	o.k
18	0.96	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.704	o.k	0.00	o.k	3.92	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
18	1.09	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.741	o.k	0.00	o.k	2.98	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
18	1.23	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.778	o.k	0.00	o.k	1.69	o.k	0.41	o.k	0.00	0.00	o.k	0.00	o.k
18	1.37	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.827	o.k	0.00	o.k	0.00	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
18	0.00	0.00	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	52.06	o.k	0.00	-	0.50	o.k	-	-	o.k	0.00	o.k
18	0.14	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	52.00	o.k	0.99	o.k	0.41	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
18	0.27	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.93	o.k	1.79	o.k	0.30	o.k	-	-	o.k	0.00	o.k
18	0.41	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.86	o.k	2.33	o.k	0.20	o.k	-	-	o.k	0.00	o.k
18	0.55	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.79	o.k	2.68	o.k	0.10	o.k	-	-	o.k	0.00	o.k
18	0.68	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.75	o.k	2.78	o.k	0.00	o.k	-	-	o.k	0.00	o.k
18	0.82	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.65	o.k	2.68	o.k	0.06	o.k	-	-	o.k	0.00	o.k
18	0.96	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.59	o.k	2.33	o.k	0.12	o.k	-	-	o.k	0.00	o.k
18	1.09	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.52	o.k	1.79	o.k	0.18	o.k	-	-	o.k	0.00	o.k
18	1.23	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.46	o.k	0.99	o.k	0.24	o.k	-	-	o.k	0.00	o.k
18	1.37	0.00	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.38	o.k	0.00	o.k	0.30	o.k	-	-	o.k	0.00	o.k
19	0.00	0.00	ENVDIS	Combination	Max	0.60	0.00	0.00	PENDOLON	0.0200	50.010	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	0.17	0.17	ENVDIS	Combination	Max	0.60	0.00	0.00	PENDOLON	0.0200	50.130	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	0.34	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.250	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	0.51	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.370	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	0.68	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.490	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	0.86	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.610	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	1.03	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.730	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	1.20	0.17	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	50.850	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	1.37	0.17	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	50.970	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	1.54	0.17	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	51.090	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	1.71	0.00	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	51.210	o.k	0.00	o.k	0.00	-	0.00	o.k	0.02	-0.01	o.k	0.00	o.k
19	0.00	0.00	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.585	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.17	0.17	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.655	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.34	0.17	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.730	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.51	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.800	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.68	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.870	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.86	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.945	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.03	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.015	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.20	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.085	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.37	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.160	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.54	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.230	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.71	0.00	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.305	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.00	0.00	ENVDIS	Combination	Max	1.35	0.00	0.00	PENDOLON	0.0200	67.600	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.14	0.14	ENVDIS	Combination	Max	1.35	0.00	0.00	PENDOLON	0.0200	67.695	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.28	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	67.795	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.42	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	67.890	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.56	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	67.990	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.70	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	68.085	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.83	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	68.185	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.97	0.14	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.280	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	1.11	0.14	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.375	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	1.25	0.14	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	1.39	0.00	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.570	o.k	0.00	o.k	0.00	-	0.00	o.k	0.04	-0.03	o.k	0.00	o.k
20	0.00	0.00	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.920	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.14	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.980	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.28	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.035	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.42	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.095	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.56	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.155	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.70	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.210	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.83	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.270	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.97	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.330	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	1.11	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.385	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	1.25	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.445	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	1.39	0.00	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.505	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
21	0.00	0.00	ENVDIS	Combination	Max	-0.04	0.01	0.00	PAR SUPERIOR	0.0110	-	-	3.28	o.k	22.46	o.k	0.74	o.k	-	-	o.k	0.01	o.k
21	0.35	0.35	ENVDIS	Combination	Max	-0.04	0.01	0.00	PAR SUPERIOR	0.0110	-	-	3.22	o.k	11.95	o.k	0.93	o.k	-	-	o.k	0.00	o.k
21	0.69	0.35	ENVDIS	Combination	Max	-0.03	0.01	0.03	PAR SUPERIOR	0.0110	-	-	3.16	o.k	171.47	o.k	1.13	o.k	-	-	o.k	0.07	o.k
21	1.04	0.35	ENVDIS	Combination	Max	-0.03	0.01	0.07	PAR SUPERIOR	0.0110	-	-	3.10	o.k	360.79	o.k	1.34	o.k	-	-	o.k	0.14	o.k
21	1.38	0.12	ENVDIS	Combination	Max	-0.03	0.01	0.09	PAR SUPERIOR	0.0110	-	-	3.08	o.k	422.98	o.k	1.39	o.k	-	-	o.k	0.16	o.k
21	1.38	0.00	ENVDIS	Combination	Max	-0.04	0.09	0.09	PAR SUPERIOR	0.0110	-	-	3.78	o.k	422.98	o.k	12.82	o.k	-	-	o.k	0.16	o.k
21	1.39	0.23	ENVDIS	Combination	Max	-0.04	0.10	0.06	PAR SUPERIOR	0.0110	-	-	3.75	o.k	314.18	o.k	13.04	o.k	-	-	o.k	0.12	o.k
21	1.74	0.35	ENVDIS	Combination	Max	-0.04	0.10	0.03	PAR SUPERIOR	0.0110	-	-	3.68	o.k	147.47	o.k	13.38	o.k	-	-	o.k	0.06	o.k
21	2.08	0.35	ENVDIS	Combination	Max	-0.04	0.10	0.00	PAR SUPERIOR	0.0110	-	-	3.63	o.k	2.08	o.k	13.70	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
21	2.31	0.23	ENVDIS	Combination	Max	-0.04	0.10	0.00	PAR SUPERIOR	0.0110	-	-	3.58	o.k	5.36	o.k	15.94	o.k	-	-	o.k	0.00	o.k
21	2.31	0.00	ENVDIS	Combination	Max	-0.05	0.50	0.00	PAR SUPERIOR	0.0110	-	-	4.28	o.k	5.36	o.k	41.47	o.k	-	-	o.k	0.00	o.k
21	2.41	0.10	ENVDIS	Combination	Max	-0.05	0.50	0.00	PAR SUPERIOR	0.0110	-	-	4.26	o.k	15.22	o.k	41.58	o.k	-	-	o.k	0.01	o.k
21	2.41	0.00	ENVDIS	Combination	Max	-0.05	0.00	0.00	PAR SUPERIOR	0.0110	-	-	4.88	o.k	15.22	o.k	0.33	o.k	-	-	o.k	0.01	o.k
21	2.43	0.01	ENVDIS	Combination	Max	-0.05	0.00	0.00	PAR SUPERIOR	0.0110	-	-	4.88	o.k	15.07	o.k	0.34	o.k	-	-	o.k	0.01	o.k
21	2.78	0.35	ENVDIS	Combination	Max	-0.05	0.00	0.00	PAR SUPERIOR	0.0110	-	-	4.83	o.k	9.52	o.k	0.53	o.k	-	-	o.k	0.00	o.k
21	3.12	0.35	ENVDIS	Combination	Max	-0.05	0.01	0.00	PAR SUPERIOR	0.0110	-	-	4.76	o.k	1.49	o.k	0.74	o.k	-	-	o.k	0.00	o.k
21	3.47	0.00	ENVDIS	Combination	Max	-0.05	0.01	0.02	PAR SUPERIOR	0.0110	-	-	4.71	o.k	115.64	o.k	0.94	o.k	-	-	o.k	0.04	o.k
21	0.00	0.00	ENVDIS	Combination	Min	-2.10	-0.12	-0.04	PAR SUPERIOR	0.0110	-	-	191.13	o.k	219.82	o.k	15.85	o.k	-	-	o.k	0.09	o.k
21	0.35	0.35	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	191.03	o.k	22.07	o.k	15.50	o.k	-	-	o.k	0.02	o.k
21	0.69	0.35	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	190.94	o.k	1.04	o.k	15.16	o.k	-	-	o.k	0.01	o.k
21	1.04	0.35	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	190.84	o.k	16.56	o.k	14.84	o.k	-	-	o.k	0.02	o.k
21	1.16	0.12	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	190.80	o.k	22.51	o.k	14.73	o.k	-	-	o.k	0.02	o.k
21	1.16	0.00	ENVDIS	Combination	Min	-2.01	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	182.78	o.k	22.51	o.k	1.00	o.k	-	-	o.k	0.02	o.k
21	1.39	0.23	ENVDIS	Combination	Min	-2.01	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	182.71	o.k	14.53	o.k	0.86	o.k	-	-	o.k	0.01	o.k
21	1.74	0.35	ENVDIS	Combination	Min	-2.01	0.00	0.00	PAR SUPERIOR	0.0110	-	-	182.62	o.k	4.96	o.k	0.65	o.k	-	-	o.k	0.01	o.k
21	2.08	0.35	ENVDIS	Combination	Min	-2.01	0.00	0.00	PAR SUPERIOR	0.0110	-	-	182.52	o.k	23.40	o.k	0.46	o.k	-	-	o.k	0.02	o.k
21	2.31	0.23	ENVDIS	Combination	Min	-2.01	0.00	-0.03	PAR SUPERIOR	0.0110	-	-	182.45	o.k	139.69	o.k	0.33	o.k	-	-	o.k	0.08	o.k
21	2.31	0.00	ENVDIS	Combination	Min	-1.82	-0.02	-0.03	PAR SUPERIOR	0.0110	-	-	174.43	o.k	139.69	o.k	2.71	o.k	-	-	o.k	0.08	o.k
21	2.41	0.10	ENVDIS	Combination	Min	-1.82	-0.02	-0.06	PAR SUPERIOR	0.0110	-	-	174.40	o.k	292.61	o.k	2.66	o.k	-	-	o.k	0.12	o.k
21	2.41	0.00	ENVDIS	Combination	Min	-1.78	-0.08	-0.06	PAR SUPERIOR	0.0110	-	-	160.36	o.k	292.61	o.k	11.14	o.k	-	-	o.k	0.12	o.k
21	2.43	0.01	ENVDIS	Combination	Min	-1.78	-0.08	-0.06	PAR SUPERIOR	0.0110	-	-	160.36	o.k	286.76	o.k	11.13	o.k	-	-	o.k	0.12	o.k
21	2.78	0.35	ENVDIS	Combination	Min	-1.78	-0.08	-0.03	PAR SUPERIOR	0.0110	-	-	160.26	o.k	148.41	o.k	10.80	o.k	-	-	o.k	0.08	o.k
21	3.12	0.35	ENVDIS	Combination	Min	-1.78	-0.08	0.00	PAR SUPERIOR	0.0110	-	-	160.16	o.k	14.28	o.k	10.46	o.k	-	-	o.k	0.01	o.k
21	3.47	0.00	ENVDIS	Combination	Min	-1.78	-0.07	0.00	PAR SUPERIOR	0.0110	-	-	160.07	o.k	9.12	o.k	10.13	o.k	-	-	o.k	0.01	o.k
24	0.00	0.00	ENVDIS	Combination	Max	-0.05	0.07	0.02	PAR SUPERIOR	0.0110	-	-	4.77	o.k	115.64	o.k	9.25	o.k	-	-	o.k	0.04	o.k
24	0.33	0.33	ENVDIS	Combination	Max	-0.05	0.07	0.00	PAR SUPERIOR	0.0110	-	-	4.83	o.k	3.82	o.k	9.56	o.k	-	-	o.k	0.00	o.k
24	0.65	0.33	ENVDIS	Combination	Max	-0.05	0.07	0.00	PAR SUPERIOR	0.0110	-	-	4.88	o.k	7.14	o.k	9.87	o.k	-	-	o.k	0.00	o.k
24	0.98	0.33	ENVDIS	Combination	Max	-0.05	0.07	0.00	PAR SUPERIOR	0.0110	-	-	4.95	o.k	11.90	o.k	10.19	o.k	-	-	o.k	0.00	o.k
24	1.04	0.06	ENVDIS	Combination	Max	-0.05	0.08	0.00	PAR SUPERIOR	0.0110	-	-	4.95	o.k	12.50	o.k	10.24	o.k	-	-	o.k	0.00	o.k
24	1.04	0.00	ENVDIS	Combination	Max	-0.05	0.02	0.00	PAR SUPERIOR	0.0110	-	-	4.40	o.k	12.50	o.k	2.71	o.k	-	-	o.k	0.00	o.k
24	1.09	0.05	ENVDIS	Combination	Max	-0.05	0.02	0.00	PAR SUPERIOR	0.0110	-	-	4.41	o.k	7.29	o.k	2.75	o.k	-	-	o.k	0.00	o.k
24	1.09	0.00	ENVDIS	Combination	Max	-0.04	0.00	0.00	PAR SUPERIOR	0.0110	-	-	3.67	o.k	7.29	o.k	0.40	o.k	-	-	o.k	0.00	o.k
24	1.31	0.22	ENVDIS	Combination	Max	-0.04	0.00	0.00	PAR SUPERIOR	0.0110	-	-	3.71	o.k	3.72	o.k	0.52	o.k	-	-	o.k	0.00	o.k
24	1.64	0.33	ENVDIS	Combination	Max	-0.04	0.01	0.02	PAR SUPERIOR	0.0110	-	-	3.76	o.k	117.87	o.k	0.70	o.k	-	-	o.k	0.05	o.k
24	1.96	0.33	ENVDIS	Combination	Max	-0.04	0.01	0.06	PAR SUPERIOR	0.0110	-	-	3.83	o.k	286.31	o.k	0.89	o.k	-	-	o.k	0.11	o.k
24	2.18	0.22	ENVDIS	Combination	Max	-0.04	0.01	0.08	PAR SUPERIOR	0.0110	-	-	3.86	o.k	396.55	o.k	1.01	o.k	-	-	o.k	0.15	o.k
24	2.18	0.00	ENVDIS	Combination	Max	-0.05	0.10	0.08	PAR SUPERIOR	0.0110	-	-	5.13	o.k	396.55	o.k	13.40	o.k	-	-	o.k	0.15	o.k
24	2.29	0.11	ENVDIS	Combination	Max	-0.05	0.10	0.07	PAR SUPERIOR	0.0110	-	-	5.15	o.k	345.19	o.k	13.51	o.k	-	-	o.k	0.13	o.k
24	2.62	0.33	ENVDIS	Combination	Max	-0.04	0.10	0.04	PAR SUPERIOR	0.0110	-	-	5.20	o.k	180.74	o.k	13.81	o.k	-	-	o.k	0.07	o.k
24	2.94	0.33	ENVDIS	Combination	Max	-0.04	0.10	0.00	PAR SUPERIOR	0.0110	-	-	3.26	o.k	17.40	o.k	14.15	o.k	-	-	o.k	0.01	o.k
24	3.27	0.00	ENVDIS	Combination	Max	-0.04	0.11	0.00	PAR SUPERIOR	0.0110	-	-	3.32	o.k	20.73	o.k	14.44	o.k	-	-	o.k	0.01	o.k
24	0.00	0.00	ENVDIS	Combination	Min	-1.78	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	161.95	o.k	9.12	o.k	0.87	o.k	-	-	o.k	0.01	o.k
24	0.33	0.33	ENVDIS	Combination	Min	-1.78	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	162.05	o.k	0.12	o.k	0.68	o.k	-	-	o.k	0.01	o.k
24	0.65	0.33	ENVDIS	Combination	Min	-1.78	0.00	-0.02	PAR SUPERIOR	0.0110	-	-	162.14	o.k	111.72	o.k	0.49	o.k	-	-	o.k	0.05	o.k
24	0.98	0.33	ENVDIS	Combination	Min	-1.78	0.00	-0.05	PAR SUPERIOR	0.0110	-	-	162.24	o.k	230.93	o.k	0.31	o.k	-	-	o.k	0.10	o.k
24	1.04	0.06	ENVDIS	Combination	Min	-1.78	0.00	-0.05	PAR SUPERIOR	0.0110	-	-	162.25	o.k	251.80	o.k	0.27	o.k	-	-	o.k	0.10	o.k
24	1.04	0.00	ENVDIS	Combination	Min	-1.82	-0.51	-0.05	PAR SUPERIOR	0.0110	-	-	174.89	o.k	251.80	o.k	42.10	o.k	-	-	o.k	0.10	o.k
24	1.09	0.05	ENVDIS	Combination	Min	-1.82	-0.51	-0.05	PAR SUPERIOR	0.0110	-	-	174.91	o.k	171.07	o.k	42.04	o.k	-	-	o.k	0.07	o.k
24	1.09	0.00	ENVDIS	Combination	Min	-2.02	-0.13	-0.03	PAR SUPERIOR	0.0110	-	-	183.43	o.k	171.07	o.k	14.84	o.k	-	-	o.k	0.07	o.k
24	1.31	0.22	ENVDIS	Combination	Min	-2.02	-0.13	-0.01	PAR SUPERIOR	0.0110	-	-	183.49	o.k	54.25	o.k	14.65	o.k	-	-	o.k	0.03	o.k
24	1.64	0.33	ENVDIS	Combination	Min	-2.02	-0.13	0.00	PAR SUPERIOR	0.0110	-	-	183.58	o.k	3.52	o.k	14.32	o.k	-	-	o.k	0.01	o.k
24	1.96	0.33	ENVDIS	Combination	Min	-2.02	-0.10	0.00	PAR SUPERIOR	0.0110	-	-	183.68	o.k	12.94	o.k	14.00	o.k	-	-	o.k	0.01	o.k
24	2.18	0.22	ENVDIS	Combination	Min	-2.02	-0.10	0.00	PAR SUPERIOR	0.0110	-	-	183.75	o.k	20.48	o.k	13.80	o.k	-	-	o.k	0.02	o.k
24	2.18	0.00	ENVDIS	Combination	Min	-2.11	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.26	o.k	20.48	o.k	1.35	o.k	-	-	o.k	0.02	o.k
24	2.29	0.11	ENVDIS	Combination	Min	-2.12	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.30	o.k	15.22	o.k	1.28	o.k	-	-	o.k	0.01	o.k
24	2.62	0.33	ENVDIS	Combination	Min	-2.12	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.40	o.k	1.04	o.k	1.10	o.k	-	-	o.k	0.01	o.k
24	2.94	0.33	ENVDIS	Combination	Min	-2.12	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.49	o.k	8.43	o.k	0.91	o.k	-	-	o.k	0.01	o.k
24	3.27	0.00	ENVDIS	Combination	Min	-2.12	-0.01	-0.03	PAR SUPERIOR	0.0110	-	-	192.59	o.k	155.36	o.k	0.72	o.k	-	-	o.k	0.10	o.k

CUBIERTA MADERA - CRUJIA 5 - CERCHA TIPO 4

EVALUACION DE DEFORMACIONES



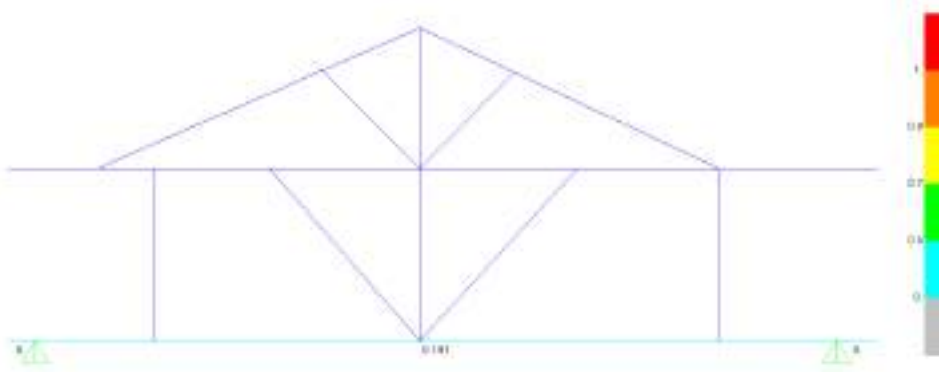
Luz Libre 7.93 m
Deformacion Admisible
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Deforamcion cercha
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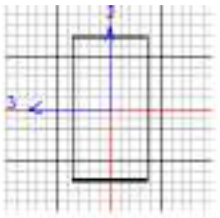
CUMPLE



CUBIERTA MADERA - CRUJIA 5 - CERCHA TIPO 4

EVALUACION DE ELEMENTOS METALICOS





AISC 360-10 STEEL SECTION CHECK (Summary for Combo and Station)
Units : Tonf, m, C

Frame : 2	X Mid: 4.238	Combo: COMB10	Design Type: Beam
Length: 7.000	Y Mid: 0.000	Shape: V-MET	Frame Type: OMF
Loc : 6.760	Z Mid: 0.000	Class: Slender	Princpl Rot: 0.000 degrees

Provision: LRFD	Analysis: Direct Analysis		
D/C Limit=0.950	2nd Order: General 2nd Order		Reduction: Tau-b Fixed
AlphaPr/Py=0.001	AlphaPr/Pe=0.003	Tau_b=1.000	EA factor=0.000 EI factor=0.800

PhiB=0.900	PhiC=0.900	PhiTY=0.900	PhiTF=0.750
PhiB=0.900	PhiS-RI=1.000	PhiST=0.900	

A=0.002	I33=2.966E-05	r33=0.113	S33=1.938E-04	Av3=8.000E-04
J=2.467E-08	I22=1.101E-05	r22=0.069	S22=1.376E-04	Av2=0.002
E=20389019.16	fy=35153.481	Ry=1.100	z33=2.355E-04	
RLLF=1.000	Fu=45699.526		z22=1.501E-04	

STRESS CHECK FORCES & MOMENTS (Combo COMB10)

Location	Pu	Mu33	Mu22	Vu2	Vu3	Tu
6.760	0.110	0.794	0.000	0.650	0.000	0.000

PMM DEMAND/CAPACITY RATIO (H1.2,H1-1b)

D/C Ratio: 0.191 = 0.000 + 0.191 + 0.000
= (1/2)(Pr/Pc) + (Mr33/Mc33) + (Mr22/Mc22)

AXIAL FORCE & BIAXIAL MOMENT DESIGN (H1.2,H1-1b)

Factor	L	K1	K2	B1	B2	Cm
Major Bending	0.373	1.000	1.000	1.000	1.000	1.000
Minor Bending	1.000	1.000	1.000	1.000	1.000	1.000

	Lltb	Kltb	Cb
LTB	1.000	1.000	1.524

	Pu Force	phi*Pnc Capacity	phi*Pnt Capacity
Axial	0.110	21.446	72.760

	Mu Moment	phi*Mn Capacity	phi*Mn No LTB
Major Moment	0.794	4.167	4.167
Minor Moment	0.000	1.355	

	Tu Moment	Tn Capacity	phi*Tn Capacity
Torsion	0.000	1.524	1.372

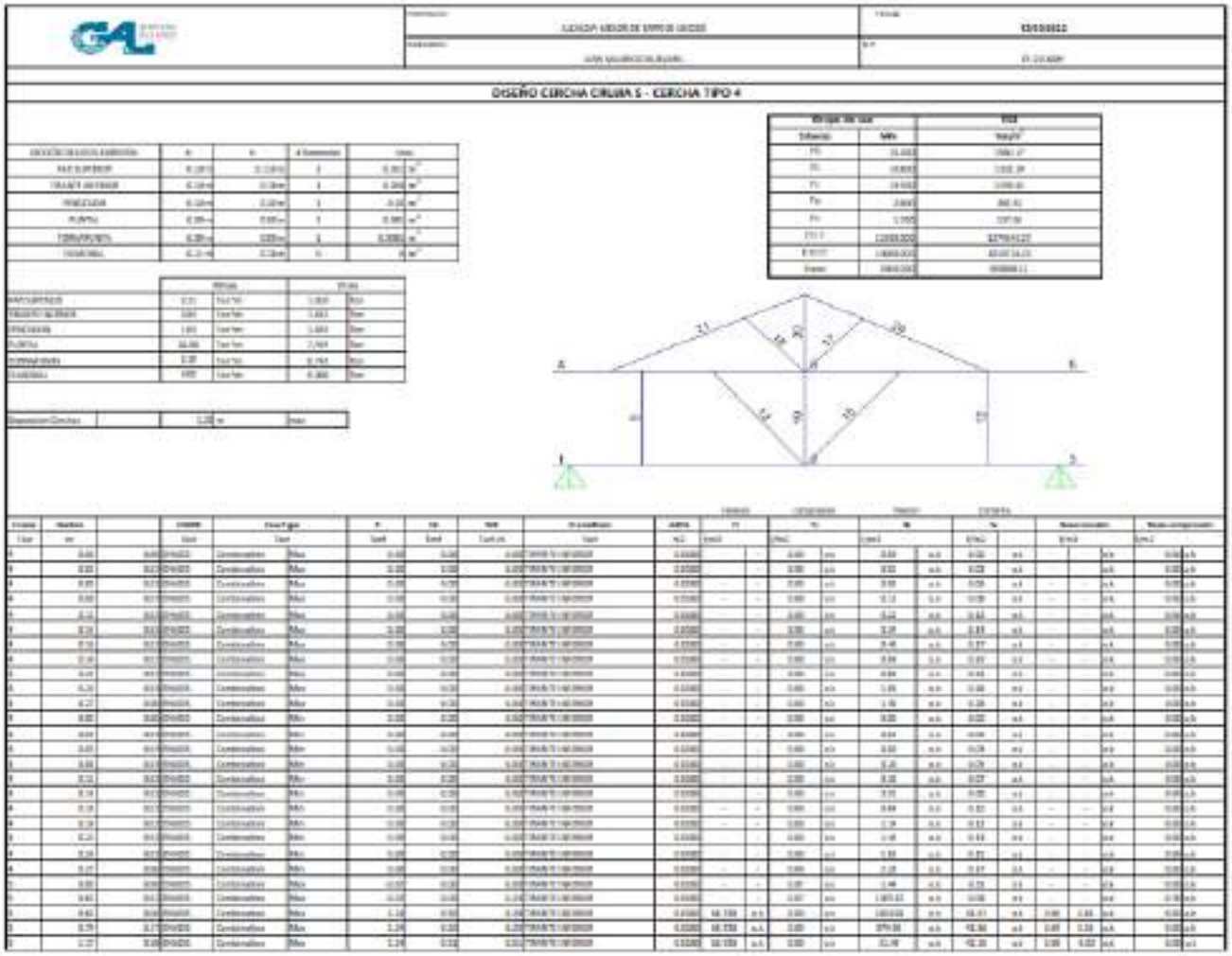
SHEAR CHECK

	Vu Force	phi*Vn Capacity	Stress Ratio	Status Check
Major Shear	0.650	8.793	0.074	OK
Minor Shear	0.000	14.656	0.000	OK

CONNECTION SHEAR FORCES FOR BEAMS

	VMajor Left	VMajor Right
Major (V2)	0.247	0.650

Análisis Elementos Grupo ES4



Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
5	1.17	0.00	ENVDIS	Combination	Max	1.24	-0.01	0.01	TIRANTE INFERIOR	0.0100	68.728	o.k	0.00	o.k	31.49	o.k	0.47	o.k	0.08	-0.02	o.k	0.00	o.k
5	1.59	0.42	ENVDIS	Combination	Max	1.24	0.00	0.04	TIRANTE INFERIOR	0.0100	68.728	o.k	0.00	o.k	196.26	o.k	0.20	o.k	0.19	0.08	o.k	0.00	o.k
5	2.31	0.72	ENVDIS	Combination	Max	1.24	0.00	0.09	TIRANTE INFERIOR	0.0100	68.728	o.k	0.00	o.k	457.34	o.k	0.26	o.k	0.36	0.25	o.k	0.00	o.k
5	2.31	0.00	ENVDIS	Combination	Max	1.12	0.08	0.09	TIRANTE INFERIOR	0.0100	62.044	o.k	0.00	o.k	457.34	o.k	6.57	o.k	0.35	0.25	o.k	0.00	o.k
5	2.38	0.07	ENVDIS	Combination	Max	1.12	0.08	0.09	TIRANTE INFERIOR	0.0100	62.044	o.k	0.00	o.k	431.06	o.k	6.44	o.k	0.35	0.24	o.k	0.00	o.k
5	3.17	0.79	ENVDIS	Combination	Max	1.12	0.09	0.02	TIRANTE INFERIOR	0.0100	62.044	o.k	0.00	o.k	107.65	o.k	7.27	o.k	0.13	0.03	o.k	0.00	o.k
5	3.80	0.63	ENVDIS	Combination	Max	1.12	0.10	0.00	TIRANTE INFERIOR	0.0100	62.044	o.k	0.00	o.k	17.06	o.k	7.93	o.k	0.07	-0.03	o.k	0.00	o.k
5	3.80	0.00	ENVDIS	Combination	Max	1.11	-0.01	0.00	TIRANTE INFERIOR	0.0100	61.639	o.k	0.00	o.k	17.06	o.k	0.73	o.k	0.07	-0.03	o.k	0.00	o.k
5	3.97	0.17	ENVDIS	Combination	Max	1.11	-0.01	0.00	TIRANTE INFERIOR	0.0100	61.639	o.k	0.00	o.k	10.41	o.k	0.62	o.k	0.06	-0.03	o.k	0.00	o.k
5	4.76	0.79	ENVDIS	Combination	Max	1.11	0.06	0.00	TIRANTE INFERIOR	0.0100	61.639	o.k	0.00	o.k	7.34	o.k	0.12	o.k	0.06	-0.03	o.k	0.00	o.k
5	5.36	0.60	ENVDIS	Combination	Max	1.11	0.00	0.01	TIRANTE INFERIOR	0.0100	61.639	o.k	0.00	o.k	51.14	o.k	0.25	o.k	0.08	-0.02	o.k	0.00	o.k
5	5.36	0.00	ENVDIS	Combination	Max	0.98	0.00	0.01	TIRANTE INFERIOR	0.0100	54.289	o.k	0.00	o.k	51.14	o.k	0.25	o.k	0.07	-0.01	o.k	0.00	o.k
5	5.55	0.19	ENVDIS	Combination	Max	0.98	0.00	0.04	TIRANTE INFERIOR	0.0100	54.289	o.k	0.00	o.k	177.12	o.k	0.13	o.k	0.16	0.08	o.k	0.00	o.k
5	6.34	0.79	ENVDIS	Combination	Max	0.98	0.00	0.15	TIRANTE INFERIOR	0.0100	54.289	o.k	0.00	o.k	758.93	o.k	0.57	o.k	0.54	0.45	o.k	0.00	o.k
5	6.79	0.42	ENVDIS	Combination	Max	0.98	0.01	0.21	TIRANTE INFERIOR	0.0100	54.289	o.k	0.00	o.k	1048.46	o.k	0.62	o.k	0.72	0.64	o.k	0.00	o.k
5	6.79	0.00	ENVDIS	Combination	Max	-0.02	0.18	0.18	TIRANTE INFERIOR	0.0100	-	-	0.93	o.k	895.11	o.k	15.06	o.k	-	-	o.k	0.57	o.k
5	7.14	0.58	ENVDIS	Combination	Max	-0.02	0.19	0.11	TIRANTE INFERIOR	0.0100	-	-	0.93	o.k	550.81	o.k	15.46	o.k	-	-	o.k	0.35	o.k
5	7.93	0.00	ENVDIS	Combination	Max	-0.02	0.20	0.00	TIRANTE INFERIOR	0.0100	-	-	0.93	o.k	7.88	o.k	16.29	o.k	-	-	o.k	0.01	o.k
5	0.00	0.00	ENVDIS	Combination	Min	-0.64	-0.68	-0.18	TIRANTE INFERIOR	0.0100	-	-	35.71	o.k	882.94	o.k	56.38	o.k	-	-	o.k	0.57	o.k
5	0.62	0.62	ENVDIS	Combination	Min	-0.64	-0.67	0.00	TIRANTE INFERIOR	0.0100	-	-	35.71	o.k	5.50	o.k	55.75	o.k	-	-	o.k	0.00	o.k
5	0.62	0.00	ENVDIS	Combination	Min	0.02	-0.01	0.00	TIRANTE INFERIOR	0.0100	1.085	o.k	0.00	o.k	16.96	o.k	0.72	o.k	0.01	0.01	o.k	0.00	o.k
5	0.79	0.17	ENVDIS	Combination	Min	0.02	-0.01	0.00	TIRANTE INFERIOR	0.0100	1.085	o.k	0.00	o.k	10.17	o.k	0.60	o.k	0.01	0.01	o.k	0.00	o.k
5	1.17	0.58	ENVDIS	Combination	Min	0.02	0.00	0.00	TIRANTE INFERIOR	0.0100	1.085	o.k	0.00	o.k	0.69	o.k	0.37	o.k	0.00	0.00	o.k	0.00	o.k
5	1.17	0.00	ENVDIS	Combination	Min	0.02	-0.08	0.00	TIRANTE INFERIOR	0.0100	1.085	o.k	0.00	o.k	0.69	o.k	6.87	o.k	0.00	0.00	o.k	0.00	o.k
5	1.59	0.42	ENVDIS	Combination	Min	0.02	-0.08	0.00	TIRANTE INFERIOR	0.0100	1.085	o.k	0.00	o.k	8.95	o.k	6.44	o.k	0.01	0.01	o.k	0.00	o.k
5	2.31	0.72	ENVDIS	Combination	Min	0.02	-0.07	0.00	TIRANTE INFERIOR	0.0100	1.085	o.k	0.00	o.k	7.83	o.k	5.68	o.k	0.01	0.00	o.k	0.00	o.k
5	2.31	0.00	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0100	1.528	o.k	0.00	o.k	7.83	o.k	0.19	o.k	0.01	0.00	o.k	0.00	o.k
5	2.38	0.07	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0100	1.528	o.k	0.00	o.k	8.48	o.k	0.14	o.k	0.01	0.00	o.k	0.00	o.k
5	3.17	0.79	ENVDIS	Combination	Min	0.03	0.00	0.00	TIRANTE INFERIOR	0.0100	1.528	o.k	0.00	o.k	3.57	o.k	0.36	o.k	0.00	0.00	o.k	0.00	o.k
5	3.80	0.63	ENVDIS	Combination	Min	0.03	0.01	-0.04	TIRANTE INFERIOR	0.0100	1.528	o.k	0.00	o.k	176.38	o.k	0.75	o.k	0.11	0.11	o.k	0.00	o.k
5	3.80	0.00	ENVDIS	Combination	Min	0.03	-0.04	-0.04	TIRANTE INFERIOR	0.0100	1.559	o.k	0.00	o.k	176.38	o.k	3.06	o.k	0.11	0.11	o.k	0.00	o.k
5	3.97	0.17	ENVDIS	Combination	Min	0.03	-0.03	-0.03	TIRANTE INFERIOR	0.0100	1.559	o.k	0.00	o.k	147.22	o.k	2.88	o.k	0.10	0.09	o.k	0.00	o.k
5	4.76	0.79	ENVDIS	Combination	Min	0.03	-0.02	-0.01	TIRANTE INFERIOR	0.0100	1.559	o.k	0.00	o.k	30.94	o.k	2.05	o.k	0.02	0.02	o.k	0.00	o.k
5	5.36	0.60	ENVDIS	Combination	Min	0.03	-0.02	0.00	TIRANTE INFERIOR	0.0100	1.559	o.k	0.00	o.k	5.06	o.k	1.42	o.k	0.00	0.00	o.k	0.00	o.k
5	5.36	0.00	ENVDIS	Combination	Min	0.02	-0.16	0.00	TIRANTE INFERIOR	0.0100	1.028	o.k	0.00	o.k	5.06	o.k	12.95	o.k	0.00	0.00	o.k	0.00	o.k
5	5.55	0.19	ENVDIS	Combination	Min	0.02	-0.15	0.00	TIRANTE INFERIOR	0.0100	1.028	o.k	0.00	o.k	7.29	o.k	12.75	o.k	0.01	0.00	o.k	0.00	o.k
5	6.34	0.79	ENVDIS	Combination	Min	0.02	-0.14	0.00	TIRANTE INFERIOR	0.0100	1.028	o.k	0.00	o.k	1.79	o.k	11.92	o.k	0.00	0.00	o.k	0.00	o.k
5	6.79	0.42	ENVDIS	Combination	Min	0.02	-0.14	0.00	TIRANTE INFERIOR	0.0100	1.028	o.k	0.00	o.k	10.51	o.k	11.47	o.k	0.01	0.01	o.k	0.00	o.k
5	6.79	0.00	ENVDIS	Combination	Min	-0.90	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	49.74	o.k	10.21	o.k	0.11	o.k	-	-	o.k	0.01	o.k
5	7.14	0.58	ENVDIS	Combination	Min	-0.90	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	49.74	o.k	9.97	o.k	0.12	o.k	-	-	o.k	0.01	o.k
5	7.93	0.00	ENVDIS	Combination	Min	-0.90	0.01	-0.04	TIRANTE INFERIOR	0.0100	-	-	49.74	o.k	198.15	o.k	0.62	o.k	-	-	o.k	0.50	o.k
6	0.00	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	2.88	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	0.04	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	2.43	o.k	0.22	o.k	-	-	o.k	0.00	o.k
6	0.08	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	1.93	o.k	0.20	o.k	-	-	o.k	0.00	o.k
6	0.12	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	1.49	o.k	0.17	o.k	-	-	o.k	0.00	o.k
6	0.16	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	1.09	o.k	0.15	o.k	-	-	o.k	0.00	o.k
6	0.20	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.74	o.k	0.12	o.k	-	-	o.k	0.00	o.k
6	0.24	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.48	o.k	0.10	o.k	-	-	o.k	0.00	o.k
6	0.28	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.27	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	0.32	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.12	o.k	0.05	o.k	-	-	o.k	0.00	o.k
6	0.36	0.04	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.03	o.k	0.03	o.k	-	-	o.k	0.00	o.k
6	0.40	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.00	o.k	0.00	o.k	-	-	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Min	0.00	-0.01	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	5.01	o.k	0.42	o.k	-	-	o.k	0.00	o.k
6	0.04	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	4.07	o.k	0.37	o.k	-	-	o.k	0.00	o.k
6	0.08	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	3.22	o.k	0.33	o.k	-	-	o.k	0.00	o.k
6	0.12	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	2.43	o.k	0.29	o.k	-	-	o.k	0.00	o.k
6	0.16	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	1.79	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	0.20	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	1.24	o.k	0.21	o.k	-	-	o.k	0.00	o.k
6	0.24	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.79	o.k	0.17	o.k	-	-	o.k	0.00	o.k
6	0.28	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.45	o.k	0.12	o.k	-	-	o.k	0.00	o.k
6	0.32	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.20	o.k	0.08	o.k	-	-	o.k	0.00	o.k
6	0.36	0.04	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0100	-	-	0.00	o.k	0.05	o.k	0.04	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	0.40	0.00	ENVDIS	Combination	Min	0.00	0.00	0.00	TIRANTE INFERIOR	0.0180	-	-	0.00	o.k	0.00	o.k	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.10	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.17	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.34	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.51	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.68	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.07	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.86	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.03	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.05	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.20	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.04	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.37	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.54	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.02	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.71	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.00	0.00	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.43	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.17	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.41	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.34	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.40	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.51	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.38	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.68	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.37	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	0.86	0.17	ENVDIS	Combination	Min	-0.60	0.00	0.00	PUNTAL	0.0810	-	-	7.35	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.03	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.34	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.20	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.32	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.37	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.31	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.54	0.17	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.29	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
9	1.71	0.00	ENVDIS	Combination	Min	-0.59	0.00	0.00	PUNTAL	0.0810	-	-	7.28	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.17	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.34	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.51	0.17	ENVDIS	Combination	Max	-0.01	0.00	0.00	PUNTAL	0.0810	-	-	0.07	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.68	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.06	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.86	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.05	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.03	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.04	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.20	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.03	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.37	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.02	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.54	0.17	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.71	0.00	ENVDIS	Combination	Max	0.00	0.00	0.00	PUNTAL	0.0810	-	-	0.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.00	0.00	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.24	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.17	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.22	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.34	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.21	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.51	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.19	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.68	0.17	ENVDIS	Combination	Min	-0.91	0.00	0.00	PUNTAL	0.0810	-	-	11.18	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	0.86	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.16	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.03	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.15	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.20	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.13	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.37	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.12	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.54	0.17	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.10	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
12	1.71	0.00	ENVDIS	Combination	Min	-0.90	0.00	0.00	PUNTAL	0.0810	-	-	11.09	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
13	0.00	0.00	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.012	o.k	0.00	o.k	0.00	-	0.46	o.k	0.02	-0.01	o.k	0.00	o.k
13	0.23	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.136	o.k	0.00	o.k	4.26	o.k	0.57	o.k	0.02	-0.01	o.k	0.00	o.k
13	0.45	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.259	o.k	0.00	o.k	7.59	o.k	0.28	o.k	0.05	-0.01	o.k	0.00	o.k
13	0.68	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.370	o.k	0.00	o.k	9.97	o.k	0.19	o.k	0.05	-0.01	o.k	0.00	o.k
13	0.91	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.494	o.k	0.00	o.k	11.40	o.k	0.09	o.k	0.05	-0.01	o.k	0.00	o.k
13	1.13	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.617	o.k	0.00	o.k	11.90	o.k	0.00	o.k	0.05	-0.01	o.k	0.00	o.k
13	1.36	0.23	ENVDIS	Combination	Max	0.18	0.00	0.00	TORNAPUNTA	0.0081	22.728	o.k	0.00	o.k	11.40	o.k	0.16	o.k	0.05	-0.01	o.k	0.00	o.k
13	1.59	0.23	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	22.852	o.k	0.00	o.k	9.97	o.k	0.51	o.k	0.05	-0.01	o.k	0.00	o.k
13	1.81	0.23	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	22.975	o.k	0.00	o.k	7.59	o.k	0.46	o.k	0.05	-0.01	o.k	0.00	o.k
13	2.04	0.23	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	23.099	o.k	0.00	o.k	4.26	o.k	0.63	o.k	0.02	-0.01	o.k	0.00	o.k
13	2.27	0.00	ENVDIS	Combination	Max	0.19	0.00	0.00	TORNAPUNTA	0.0081	23.210	o.k	0.00	o.k	0.00	o.k	0.78	o.k	0.02	-0.01	o.k	0.00	o.k
13	0.00	0.00	ENVDIS	Combination	Min	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.86	o.k	0.00	-	0.78	o.k	-	-	o.k	0.00	o.k
13	0.23	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.79	o.k	2.58	o.k	0.63	o.k	-	-	o.k	0.00	o.k
13	0.45	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.72	o.k	4.56	o.k	0.46	o.k	-	-	o.k	0.00	o.k
13	0.68	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.64	o.k	6.00	o.k	0.31	o.k	-	-	o.k	0.00	o.k
13	0.91	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.58	o.k	6.84	o.k	0.16	o.k	-	-	o.k	0.00	o.k
13	1.13	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.51	o.k	7.14	o.k	0.00	o.k	-	-	o.k	0.00	o.k

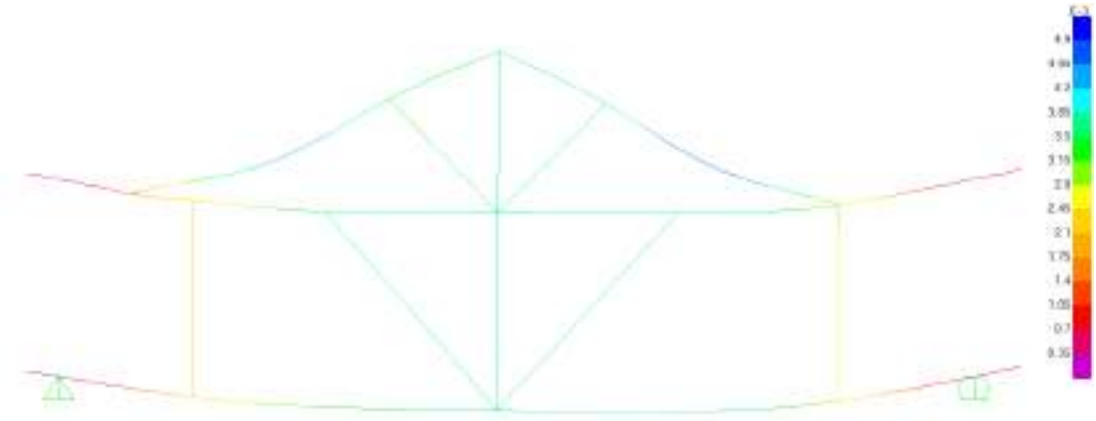
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
13	1.36	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.43	o.k	6.84	o.k	0.09	o.k	-	-	o.k	0.00	o.k
13	1.59	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.36	o.k	6.00	o.k	0.19	o.k	-	-	o.k	0.00	o.k
13	1.81	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.28	o.k	4.56	o.k	0.28	o.k	-	-	o.k	0.00	o.k
13	2.04	0.23	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.21	o.k	2.58	o.k	0.37	o.k	-	-	o.k	0.00	o.k
13	2.27	0.00	ENVDIS	Combination	Min	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.15	o.k	0.00	o.k	0.46	o.k	-	-	o.k	0.00	o.k
15	0.00	0.00	ENVDIS	Combination	Max	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	2.04	o.k	0.00	-	0.50	o.k	-	-	o.k	0.00	o.k
15	0.23	0.23	ENVDIS	Combination	Max	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.96	o.k	4.56	o.k	0.59	o.k	-	-	o.k	0.00	o.k
15	0.46	0.23	ENVDIS	Combination	Max	-0.02	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.89	o.k	8.13	o.k	0.50	o.k	-	-	o.k	0.01	o.k
15	0.69	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.81	o.k	10.66	o.k	0.20	o.k	-	-	o.k	0.01	o.k
15	0.93	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.74	o.k	12.20	o.k	0.10	o.k	-	-	o.k	0.01	o.k
15	1.16	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.68	o.k	12.69	o.k	0.00	o.k	-	-	o.k	0.01	o.k
15	1.39	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.60	o.k	12.20	o.k	0.16	o.k	-	-	o.k	0.01	o.k
15	1.62	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.53	o.k	10.66	o.k	0.33	o.k	-	-	o.k	0.01	o.k
15	1.85	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.46	o.k	8.13	o.k	0.50	o.k	-	-	o.k	0.01	o.k
15	2.08	0.23	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.38	o.k	4.56	o.k	0.65	o.k	-	-	o.k	0.00	o.k
15	2.31	0.00	ENVDIS	Combination	Max	-0.01	0.00	0.00	TORNAPUNTA	0.0081	-	-	1.31	o.k	0.00	o.k	0.81	o.k	-	-	o.k	0.00	o.k
15	0.00	0.00	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.81	o.k	0.00	-	0.81	o.k	-	-	o.k	0.00	o.k
15	0.23	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.70	o.k	2.73	o.k	0.65	o.k	-	-	o.k	0.00	o.k
15	0.46	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.58	o.k	4.86	o.k	0.50	o.k	-	-	o.k	0.00	o.k
15	0.69	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.46	o.k	6.40	o.k	0.33	o.k	-	-	o.k	0.00	o.k
15	0.93	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.33	o.k	7.29	o.k	0.16	o.k	-	-	o.k	0.00	o.k
15	1.16	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.22	o.k	7.64	o.k	0.00	o.k	-	-	o.k	0.01	o.k
15	1.39	0.23	ENVDIS	Combination	Min	-0.20	0.00	0.00	TORNAPUNTA	0.0081	-	-	24.10	o.k	7.29	o.k	0.10	o.k	-	-	o.k	0.00	o.k
15	1.62	0.23	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.98	o.k	6.40	o.k	0.20	o.k	-	-	o.k	0.00	o.k
15	1.85	0.23	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.86	o.k	4.86	o.k	0.50	o.k	-	-	o.k	0.00	o.k
15	2.08	0.23	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.74	o.k	2.73	o.k	0.59	o.k	-	-	o.k	0.00	o.k
15	2.31	0.00	ENVDIS	Combination	Min	-0.19	0.00	0.00	TORNAPUNTA	0.0081	-	-	23.62	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
17	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.407	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
17	0.13	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.444	o.k	0.00	o.k	1.59	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
17	0.27	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.494	o.k	0.00	o.k	2.83	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
17	0.40	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.551	o.k	0.00	o.k	5.72	o.k	0.12	o.k	0.00	0.00	o.k	0.00	o.k
17	0.53	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.568	o.k	0.00	o.k	4.21	o.k	0.06	o.k	0.01	0.00	o.k	0.00	o.k
17	0.67	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.605	o.k	0.00	o.k	4.41	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
17	0.80	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.654	o.k	0.00	o.k	4.21	o.k	0.10	o.k	0.01	0.00	o.k	0.00	o.k
17	0.93	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.691	o.k	0.00	o.k	5.72	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
17	1.07	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.728	o.k	0.00	o.k	2.83	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
17	1.20	0.13	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.765	o.k	0.00	o.k	1.59	o.k	0.39	o.k	0.00	0.00	o.k	0.00	o.k
17	1.34	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.802	o.k	0.00	o.k	0.00	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
17	0.00	0.00	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.05	o.k	0.00	-	0.50	o.k	-	-	o.k	0.00	o.k
17	0.13	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.99	o.k	0.94	o.k	0.59	o.k	-	-	o.k	0.00	o.k
17	0.27	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.93	o.k	1.69	o.k	0.50	o.k	-	-	o.k	0.00	o.k
17	0.40	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.85	o.k	2.23	o.k	0.20	o.k	-	-	o.k	0.00	o.k
17	0.53	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.79	o.k	2.53	o.k	0.10	o.k	-	-	o.k	0.00	o.k
17	0.67	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.72	o.k	2.63	o.k	0.00	o.k	-	-	o.k	0.00	o.k
17	0.80	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.65	o.k	2.53	o.k	0.06	o.k	-	-	o.k	0.00	o.k
17	0.93	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.59	o.k	2.23	o.k	0.12	o.k	-	-	o.k	0.00	o.k
17	1.07	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.52	o.k	1.69	o.k	0.18	o.k	-	-	o.k	0.00	o.k
17	1.20	0.13	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.46	o.k	0.94	o.k	0.24	o.k	-	-	o.k	0.00	o.k
17	1.34	0.00	ENVDIS	Combination	Min	-0.41	0.00	0.00	TORNAPUNTA	0.0081	-	-	50.40	o.k	0.00	o.k	0.50	o.k	-	-	o.k	0.00	o.k
18	0.00	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.420	o.k	0.00	o.k	0.00	-	0.50	o.k	0.00	0.00	o.k	0.00	o.k
18	0.14	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.457	o.k	0.00	o.k	1.69	o.k	0.24	o.k	0.00	0.00	o.k	0.00	o.k
18	0.27	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.494	o.k	0.00	o.k	2.98	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
18	0.41	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.551	o.k	0.00	o.k	5.92	o.k	0.12	o.k	0.00	0.00	o.k	0.00	o.k
18	0.55	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.580	o.k	0.00	o.k	4.46	o.k	0.06	o.k	0.01	0.00	o.k	0.00	o.k
18	0.68	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.617	o.k	0.00	o.k	4.66	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
18	0.82	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.654	o.k	0.00	o.k	4.46	o.k	0.10	o.k	0.01	0.00	o.k	0.00	o.k
18	0.96	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.704	o.k	0.00	o.k	5.92	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
18	1.09	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.741	o.k	0.00	o.k	2.98	o.k	0.30	o.k	0.00	0.00	o.k	0.00	o.k
18	1.23	0.14	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.778	o.k	0.00	o.k	1.69	o.k	0.41	o.k	0.00	0.00	o.k	0.00	o.k
18	1.37	0.00	ENVDIS	Combination	Max	0.02	0.00	0.00	TORNAPUNTA	0.0081	2.827	o.k	0.00	o.k	0.00	o.k	0.50	o.k	0.00	0.00	o.k	0.00	o.k
18	0.00	0.00	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	52.06	o.k	0.00	-	0.50	o.k	-	-	o.k	0.00	o.k
18	0.14	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	52.00	o.k	0.99	o.k	0.41	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
18	0.27	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.93	o.k	1.79	o.k	0.30	o.k	-	-	o.k	0.00	o.k
18	0.41	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.86	o.k	2.33	o.k	0.20	o.k	-	-	o.k	0.00	o.k
18	0.55	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.79	o.k	2.68	o.k	0.10	o.k	-	-	o.k	0.00	o.k
18	0.68	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.75	o.k	2.78	o.k	0.00	o.k	-	-	o.k	0.00	o.k
18	0.82	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.65	o.k	2.68	o.k	0.06	o.k	-	-	o.k	0.00	o.k
18	0.96	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.59	o.k	2.33	o.k	0.12	o.k	-	-	o.k	0.00	o.k
18	1.09	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.52	o.k	1.79	o.k	0.18	o.k	-	-	o.k	0.00	o.k
18	1.23	0.14	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.46	o.k	0.99	o.k	0.24	o.k	-	-	o.k	0.00	o.k
18	1.37	0.00	ENVDIS	Combination	Min	-0.42	0.00	0.00	TORNAPUNTA	0.0081	-	-	51.38	o.k	0.00	o.k	0.30	o.k	-	-	o.k	0.00	o.k
19	0.00	0.00	ENVDIS	Combination	Max	0.60	0.00	0.00	PENDOLON	0.0200	50.010	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	0.17	0.17	ENVDIS	Combination	Max	0.60	0.00	0.00	PENDOLON	0.0200	50.130	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	0.34	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.250	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	0.51	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.370	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	0.68	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.490	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	0.86	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.610	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	1.03	0.17	ENVDIS	Combination	Max	0.61	0.00	0.00	PENDOLON	0.0200	50.730	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	1.20	0.17	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	50.850	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	1.37	0.17	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	50.970	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	1.54	0.17	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	51.090	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	1.71	0.00	ENVDIS	Combination	Max	0.62	0.00	0.00	PENDOLON	0.0200	51.210	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.02	o.k	0.00	o.k
19	0.00	0.00	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.585	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.17	0.17	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.655	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.34	0.17	ENVDIS	Combination	Min	0.03	0.00	0.00	PENDOLON	0.0200	1.730	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.51	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.800	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.68	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.870	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	0.86	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.945	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.03	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.015	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.20	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.085	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.37	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.160	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.54	0.17	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.230	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
19	1.71	0.00	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.305	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.00	0.00	ENVDIS	Combination	Max	1.35	0.00	0.00	PENDOLON	0.0200	67.600	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.14	0.14	ENVDIS	Combination	Max	1.35	0.00	0.00	PENDOLON	0.0200	67.695	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.28	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	67.795	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.42	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	67.890	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.56	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	67.990	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.70	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	68.085	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.83	0.14	ENVDIS	Combination	Max	1.36	0.00	0.00	PENDOLON	0.0200	68.185	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.97	0.14	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.280	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	1.11	0.14	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.375	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	1.25	0.14	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.475	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	1.39	0.00	ENVDIS	Combination	Max	1.37	0.00	0.00	PENDOLON	0.0200	68.570	o.k	0.00	o.k	0.00	-	0.00	o.k	0.06	-0.04	o.k	0.00	o.k
20	0.00	0.00	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.920	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.14	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	1.980	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.28	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.035	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.42	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.095	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.56	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.155	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.70	0.14	ENVDIS	Combination	Min	0.04	0.00	0.00	PENDOLON	0.0200	2.210	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.83	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.270	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	0.97	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.330	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	1.11	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.385	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	1.25	0.14	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.445	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
20	1.39	0.00	ENVDIS	Combination	Min	0.05	0.00	0.00	PENDOLON	0.0200	2.505	o.k	0.00	o.k	0.00	-	0.00	o.k	0.00	0.00	o.k	0.00	o.k
21	0.00	0.00	ENVDIS	Combination	Max	-0.04	0.01	0.00	PAR SUPERIOR	0.0110	-	-	3.28	o.k	22.46	o.k	0.74	o.k	-	-	o.k	0.01	o.k
21	0.35	0.35	ENVDIS	Combination	Max	-0.04	0.01	0.00	PAR SUPERIOR	0.0110	-	-	3.22	o.k	11.95	o.k	0.93	o.k	-	-	o.k	0.01	o.k
21	0.69	0.35	ENVDIS	Combination	Max	-0.03	0.01	0.03	PAR SUPERIOR	0.0110	-	-	3.16	o.k	171.47	o.k	1.13	o.k	-	-	o.k	0.11	o.k
21	1.04	0.35	ENVDIS	Combination	Max	-0.03	0.01	0.07	PAR SUPERIOR	0.0110	-	-	3.10	o.k	360.79	o.k	1.34	o.k	-	-	o.k	0.23	o.k
21	1.38	0.12	ENVDIS	Combination	Max	-0.03	0.01	0.09	PAR SUPERIOR	0.0110	-	-	3.08	o.k	422.98	o.k	1.39	o.k	-	-	o.k	0.27	o.k
21	1.38	0.00	ENVDIS	Combination	Max	-0.04	0.09	0.09	PAR SUPERIOR	0.0110	-	-	3.78	o.k	422.98	o.k	12.82	o.k	-	-	o.k	0.27	o.k
21	1.39	0.23	ENVDIS	Combination	Max	-0.04	0.10	0.06	PAR SUPERIOR	0.0110	-	-	3.75	o.k	314.18	o.k	13.04	o.k	-	-	o.k	0.20	o.k
21	1.74	0.35	ENVDIS	Combination	Max	-0.04	0.10	0.03	PAR SUPERIOR	0.0110	-	-	3.68	o.k	147.47	o.k	13.38	o.k	-	-	o.k	0.09	o.k
21	2.08	0.35	ENVDIS	Combination	Max	-0.04	0.10	0.00	PAR SUPERIOR	0.0110	-	-	3.63	o.k	2.08	o.k	13.70	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
21	2.31	0.23	ENVDIS	Combination	Max	-0.04	0.10	0.00	PAR SUPERIOR	0.0110	-	-	3.58	o.k	5.36	o.k	15.94	o.k	-	-	o.k	0.00	o.k
21	2.31	0.00	ENVDIS	Combination	Max	-0.05	0.50	0.00	PAR SUPERIOR	0.0110	-	-	4.28	o.k	5.36	o.k	41.47	o.k	-	-	o.k	0.00	o.k
21	2.41	0.10	ENVDIS	Combination	Max	-0.05	0.50	0.00	PAR SUPERIOR	0.0110	-	-	4.26	o.k	15.22	o.k	41.58	o.k	-	-	o.k	0.01	o.k
21	2.41	0.00	ENVDIS	Combination	Max	-0.05	0.00	0.00	PAR SUPERIOR	0.0110	-	-	4.88	o.k	15.22	o.k	0.33	o.k	-	-	o.k	0.01	o.k
21	2.43	0.01	ENVDIS	Combination	Max	-0.05	0.00	0.00	PAR SUPERIOR	0.0110	-	-	4.88	o.k	15.07	o.k	0.34	o.k	-	-	o.k	0.01	o.k
21	2.78	0.35	ENVDIS	Combination	Max	-0.05	0.00	0.00	PAR SUPERIOR	0.0110	-	-	4.83	o.k	9.52	o.k	0.53	o.k	-	-	o.k	0.01	o.k
21	3.12	0.35	ENVDIS	Combination	Max	-0.05	0.01	0.00	PAR SUPERIOR	0.0110	-	-	4.76	o.k	1.49	o.k	0.74	o.k	-	-	o.k	0.00	o.k
21	3.47	0.00	ENVDIS	Combination	Max	-0.05	0.01	0.02	PAR SUPERIOR	0.0110	-	-	4.71	o.k	115.64	o.k	0.94	o.k	-	-	o.k	0.08	o.k
21	0.00	0.00	ENVDIS	Combination	Min	-2.10	-0.12	-0.04	PAR SUPERIOR	0.0110	-	-	191.13	o.k	219.82	o.k	15.85	o.k	-	-	o.k	0.16	o.k
21	0.35	0.35	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	191.03	o.k	22.07	o.k	15.50	o.k	-	-	o.k	0.03	o.k
21	0.69	0.35	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	190.94	o.k	1.04	o.k	15.16	o.k	-	-	o.k	0.02	o.k
21	1.04	0.35	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	190.84	o.k	16.56	o.k	14.84	o.k	-	-	o.k	0.03	o.k
21	1.38	0.12	ENVDIS	Combination	Min	-2.10	-0.11	0.00	PAR SUPERIOR	0.0110	-	-	190.80	o.k	22.51	o.k	14.73	o.k	-	-	o.k	0.03	o.k
21	1.38	0.00	ENVDIS	Combination	Min	-2.01	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	182.78	o.k	22.51	o.k	1.00	o.k	-	-	o.k	0.03	o.k
21	1.39	0.23	ENVDIS	Combination	Min	-2.01	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	182.71	o.k	14.53	o.k	0.86	o.k	-	-	o.k	0.03	o.k
21	1.74	0.35	ENVDIS	Combination	Min	-2.01	0.00	0.00	PAR SUPERIOR	0.0110	-	-	182.62	o.k	4.96	o.k	0.65	o.k	-	-	o.k	0.02	o.k
21	2.08	0.35	ENVDIS	Combination	Min	-2.01	0.00	0.00	PAR SUPERIOR	0.0110	-	-	182.52	o.k	23.40	o.k	0.46	o.k	-	-	o.k	0.03	o.k
21	2.31	0.23	ENVDIS	Combination	Min	-2.01	0.00	-0.03	PAR SUPERIOR	0.0110	-	-	182.45	o.k	139.69	o.k	0.33	o.k	-	-	o.k	0.11	o.k
21	2.31	0.00	ENVDIS	Combination	Min	-1.92	-0.02	-0.03	PAR SUPERIOR	0.0110	-	-	174.43	o.k	139.69	o.k	2.71	o.k	-	-	o.k	0.11	o.k
21	2.41	0.10	ENVDIS	Combination	Min	-1.92	-0.02	-0.06	PAR SUPERIOR	0.0110	-	-	174.40	o.k	292.61	o.k	2.66	o.k	-	-	o.k	0.20	o.k
21	2.41	0.00	ENVDIS	Combination	Min	-1.78	-0.08	-0.06	PAR SUPERIOR	0.0110	-	-	160.36	o.k	292.61	o.k	11.14	o.k	-	-	o.k	0.20	o.k
21	2.43	0.01	ENVDIS	Combination	Min	-1.78	-0.08	-0.06	PAR SUPERIOR	0.0110	-	-	160.36	o.k	286.76	o.k	11.13	o.k	-	-	o.k	0.20	o.k
21	2.78	0.35	ENVDIS	Combination	Min	-1.78	-0.08	-0.03	PAR SUPERIOR	0.0110	-	-	160.26	o.k	148.41	o.k	10.80	o.k	-	-	o.k	0.11	o.k
21	3.12	0.35	ENVDIS	Combination	Min	-1.78	-0.08	0.00	PAR SUPERIOR	0.0110	-	-	160.16	o.k	14.28	o.k	10.46	o.k	-	-	o.k	0.02	o.k
21	3.47	0.00	ENVDIS	Combination	Min	-1.78	-0.07	0.00	PAR SUPERIOR	0.0110	-	-	160.07	o.k	9.12	o.k	10.15	o.k	-	-	o.k	0.02	o.k
24	0.00	0.00	ENVDIS	Combination	Max	-0.05	0.07	0.02	PAR SUPERIOR	0.0110	-	-	4.77	o.k	115.64	o.k	9.25	o.k	-	-	o.k	0.07	o.k
24	0.33	0.33	ENVDIS	Combination	Max	-0.05	0.07	0.00	PAR SUPERIOR	0.0110	-	-	4.83	o.k	3.82	o.k	9.56	o.k	-	-	o.k	0.00	o.k
24	0.65	0.33	ENVDIS	Combination	Max	-0.05	0.07	0.00	PAR SUPERIOR	0.0110	-	-	4.88	o.k	7.14	o.k	9.87	o.k	-	-	o.k	0.00	o.k
24	0.98	0.33	ENVDIS	Combination	Max	-0.05	0.07	0.00	PAR SUPERIOR	0.0110	-	-	4.95	o.k	11.90	o.k	10.19	o.k	-	-	o.k	0.01	o.k
24	1.04	0.06	ENVDIS	Combination	Max	-0.05	0.08	0.00	PAR SUPERIOR	0.0110	-	-	4.95	o.k	12.50	o.k	10.24	o.k	-	-	o.k	0.01	o.k
24	1.04	0.00	ENVDIS	Combination	Max	-0.05	0.02	0.00	PAR SUPERIOR	0.0110	-	-	4.40	o.k	12.50	o.k	2.71	o.k	-	-	o.k	0.01	o.k
24	1.09	0.05	ENVDIS	Combination	Max	-0.05	0.02	0.00	PAR SUPERIOR	0.0110	-	-	4.41	o.k	7.29	o.k	2.75	o.k	-	-	o.k	0.00	o.k
24	1.09	0.00	ENVDIS	Combination	Max	-0.04	0.00	0.00	PAR SUPERIOR	0.0110	-	-	3.67	o.k	7.29	o.k	0.40	o.k	-	-	o.k	0.00	o.k
24	1.31	0.22	ENVDIS	Combination	Max	-0.04	0.00	0.00	PAR SUPERIOR	0.0110	-	-	3.71	o.k	3.72	o.k	0.52	o.k	-	-	o.k	0.00	o.k
24	1.64	0.33	ENVDIS	Combination	Max	-0.04	0.01	0.02	PAR SUPERIOR	0.0110	-	-	3.76	o.k	117.87	o.k	0.70	o.k	-	-	o.k	0.08	o.k
24	1.96	0.33	ENVDIS	Combination	Max	-0.04	0.01	0.06	PAR SUPERIOR	0.0110	-	-	3.83	o.k	286.31	o.k	0.89	o.k	-	-	o.k	0.18	o.k
24	2.18	0.22	ENVDIS	Combination	Max	-0.04	0.01	0.08	PAR SUPERIOR	0.0110	-	-	3.86	o.k	396.55	o.k	1.01	o.k	-	-	o.k	0.25	o.k
24	2.18	0.00	ENVDIS	Combination	Max	-0.03	0.10	0.08	PAR SUPERIOR	0.0110	-	-	3.13	o.k	396.55	o.k	13.40	o.k	-	-	o.k	0.25	o.k
24	2.29	0.11	ENVDIS	Combination	Max	-0.03	0.10	0.07	PAR SUPERIOR	0.0110	-	-	3.15	o.k	345.19	o.k	13.51	o.k	-	-	o.k	0.22	o.k
24	2.62	0.33	ENVDIS	Combination	Max	-0.04	0.10	0.04	PAR SUPERIOR	0.0110	-	-	3.20	o.k	180.74	o.k	13.81	o.k	-	-	o.k	0.12	o.k
24	2.94	0.33	ENVDIS	Combination	Max	-0.04	0.10	0.00	PAR SUPERIOR	0.0110	-	-	3.26	o.k	17.40	o.k	14.15	o.k	-	-	o.k	0.01	o.k
24	3.27	0.00	ENVDIS	Combination	Max	-0.04	0.11	0.00	PAR SUPERIOR	0.0110	-	-	3.32	o.k	20.73	o.k	14.44	o.k	-	-	o.k	0.01	o.k
24	0.00	0.00	ENVDIS	Combination	Min	-1.78	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	161.95	o.k	9.12	o.k	0.87	o.k	-	-	o.k	0.02	o.k
24	0.33	0.33	ENVDIS	Combination	Min	-1.78	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	162.05	o.k	0.12	o.k	0.68	o.k	-	-	o.k	0.01	o.k
24	0.65	0.33	ENVDIS	Combination	Min	-1.78	0.00	-0.02	PAR SUPERIOR	0.0110	-	-	162.14	o.k	111.72	o.k	0.49	o.k	-	-	o.k	0.09	o.k
24	0.98	0.33	ENVDIS	Combination	Min	-1.78	0.00	-0.05	PAR SUPERIOR	0.0110	-	-	162.24	o.k	230.93	o.k	0.31	o.k	-	-	o.k	0.16	o.k
24	1.04	0.06	ENVDIS	Combination	Min	-1.78	0.00	-0.05	PAR SUPERIOR	0.0110	-	-	162.25	o.k	251.80	o.k	0.27	o.k	-	-	o.k	0.18	o.k
24	1.04	0.00	ENVDIS	Combination	Min	-1.92	-0.51	-0.05	PAR SUPERIOR	0.0110	-	-	174.89	o.k	251.80	o.k	42.10	o.k	-	-	o.k	0.18	o.k
24	1.09	0.05	ENVDIS	Combination	Min	-1.92	-0.51	-0.05	PAR SUPERIOR	0.0110	-	-	174.91	o.k	171.07	o.k	42.04	o.k	-	-	o.k	0.13	o.k
24	1.09	0.00	ENVDIS	Combination	Min	-2.02	-0.11	-0.03	PAR SUPERIOR	0.0110	-	-	183.43	o.k	171.07	o.k	14.84	o.k	-	-	o.k	0.13	o.k
24	1.31	0.22	ENVDIS	Combination	Min	-2.02	-0.11	-0.01	PAR SUPERIOR	0.0110	-	-	183.49	o.k	54.25	o.k	14.83	o.k	-	-	o.k	0.05	o.k
24	1.64	0.33	ENVDIS	Combination	Min	-2.02	-0.13	0.00	PAR SUPERIOR	0.0110	-	-	183.58	o.k	3.52	o.k	14.32	o.k	-	-	o.k	0.02	o.k
24	1.96	0.33	ENVDIS	Combination	Min	-2.02	-0.10	0.00	PAR SUPERIOR	0.0110	-	-	183.68	o.k	12.94	o.k	14.00	o.k	-	-	o.k	0.03	o.k
24	2.18	0.22	ENVDIS	Combination	Min	-2.02	-0.10	0.00	PAR SUPERIOR	0.0110	-	-	183.75	o.k	20.48	o.k	13.80	o.k	-	-	o.k	0.03	o.k
24	2.18	0.00	ENVDIS	Combination	Min	-2.11	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.26	o.k	20.48	o.k	1.35	o.k	-	-	o.k	0.03	o.k
24	2.29	0.11	ENVDIS	Combination	Min	-2.12	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.30	o.k	15.22	o.k	1.28	o.k	-	-	o.k	0.03	o.k
24	2.62	0.33	ENVDIS	Combination	Min	-2.12	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.40	o.k	1.04	o.k	1.10	o.k	-	-	o.k	0.02	o.k
24	2.94	0.33	ENVDIS	Combination	Min	-2.12	-0.01	0.00	PAR SUPERIOR	0.0110	-	-	192.49	o.k	8.43	o.k	0.91	o.k	-	-	o.k	0.02	o.k
24	3.27	0.00	ENVDIS	Combination	Min	-2.12	-0.01	-0.03	PAR SUPERIOR	0.0110	-	-	192.59	o.k	155.36	o.k	0.72	o.k	-	-	o.k	0.22	o.k

CUBIERTA MADERA - CRUJIA 5 - CERCHA TIPO 4

EVALUACION DE DEFORMACIONES



Luz Libre 7.93 m
Deformacion Admisible
2.64 cm CUMPLE
Deforamcion cercha
0.36 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 4- CRUJIA 5

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

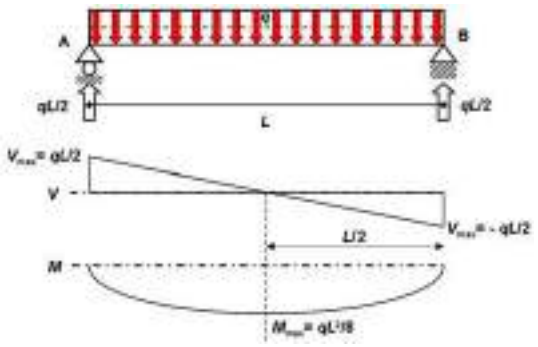
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}= 156.0 Kg/cm² **L=** 1.20 m L Afe= 0.98 m
τ_{ADM}= 13.8 Kg/cm² **b=** 10.00 cm **PP=** 5.60 Kg/m
δ_{ADM}= 0.4 cm **h=** 8.00 cm **I=** 426.67 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 49.00 Kg/m
CM= 98.70 Kg/m
W= 71.79 Kg/m



q_U =	**189.30 Kg/m**
$V_{MÀX}$=	**113.58 Kg**
$M_{MÀX}$=	**34.07 Kg*m**

III. *FLEXIÓN.*

M Nominal $F_b' \frac{bd^2}{6}$

M Nominal **166.42 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

τ= $\frac{3*V_{MÁX}}{2*b*h}$

τ= *2.13 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

δ= $\frac{5*W_U*L^4}{384*E*I}$

δ= *0.12 cm* < δ Admisible, Cumple

NOTA:

4.11.11 Verificación Cubiertas Crujía 6.

4.11.11.1 Tipo 1

CUBIERTA CRUJIA 6

Corresponde al analisis de la crujia 6 cerchas CH1 a CH3, las cuales presentan una tipologia similar y pueden ser agrupadas para su analisis

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Teja de barro	80.00	Kg/m²
Cielo raso madera	15.00	Kg/m²
Tuberia Contra Incendio	0.00	Kg/m²
Impermeabilizacion	0.00	Kg/m²
	95.00	Kg/m²

Carga Viva (CV)

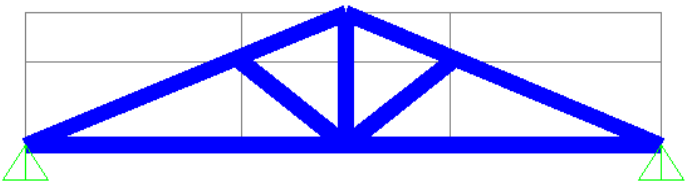
50 Kg/m²

Carga Granizo (G)

50 Kg/m²

Carga De Viento (W)

Según Analisis de viento



Carga= 73.26 Kg/m²

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m)	G (Kg/m)	W (Kg/m)
CORREA	1.06	100.70	53.00	**53.00**	**77.66**

TIPO	LONG. AFERENTE (m)	CM (Kg)	CV (Kg)	G (Kg)	W (Kg)
CERCJHA	2.07	208.45	109.71	**109.71**	**160.75**

	PROYECTO: ALCALDIA MENOR DE BARRIOS UNIDOS	FECHA: 12/05/2022
	IVAN MAURICIO GUEVARA	P-427N P-22-696

ANALISIS ESTRUCTURA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 .	1.00 CM										
2 .	1.00 CM	+	1.00 CV								
3 .	1.00 CM					+	1.00 G		C.M.	=	Carga Muerta
4 .	1.00 CM	+	0.75 CV						C.V.	=	Carga Viva
5 .	1.00 CM					+	0.75 G		W	=	Carga de viento
6 .	1.00 CM			+	1.00 W				G	=	Carga Granizo
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.	Strength
COMB2	Linear Add	No	Linear Static	D	1.	Strength
COMB2			Linear Static	Lr	1.	
COMB3	Linear Add	No	Linear Static	D	1.	Strength
COMB3			Linear Static	G	1.	
COMB4	Linear Add	No	Linear Static	D	1.	Strength
COMB4			Linear Static	Lr	0.75	
COMB5	Linear Add	No	Linear Static	D	1.	Strength
COMB5			Linear Static	G	0.75	
COMB6	Linear Add	No	Linear Static	D	1.	Strength
COMB6			Linear Static	W	1.	
COMB7	Linear Add	No	Linear Static	D	1.	Strength
COMB7			Linear Static	W	-1.	
COMB8	Linear Add	No	Linear Static	D	1.	Strength
COMB8			Linear Static	Lr	0.75	
COMB8			Linear Static	W	0.75	
COMB9	Linear Add	No	Linear Static	D	1.	Strength
COMB9			Linear Static	Lr	0.75	
COMB9			Linear Static	W	-0.75	
COMB10	Linear Add	No	Linear Static	D	1.	Strength
COMB10			Linear Static	G	0.75	
COMB10			Linear Static	W	0.75	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB11	Linear Add	No	Linear Static	D	1.	Strength
COMB11			Linear Static	G	0.75	
COMB11			Linear Static	W	-0.75	
COMB12	Linear Add	No	Linear Static	D	0.6	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.6	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB1	D	None	None	None
COMB2	D	None	None	None
COMB2	Lr			
COMB3	D	None	None	None
COMB3	G			
COMB4	D	None	None	None
COMB4	Lr			
COMB5	D	None	None	None

Table: Combination Definitions, Part 2 of 3				
ComboName	**CaseName**	**ConcDesign**	**AlumDesign**	**ColdDesign**
COMB5	G			
COMB6	D	None	None	None
COMB6	W			
COMB7	D	None	None	None
COMB7	W			
COMB8	D	None	None	None
COMB8	Lr			
COMB8	W			
COMB9	D	None	None	None
COMB9	Lr			
COMB9	W			
COMB10	D	None	None	None
COMB10	G			
COMB10	W			
COMB11	D	None	None	None
COMB11	G			
COMB11	W			
COMB12	D	None	None	None
COMB12	W			
COMB13	D	None	None	None
COMB13	W			
DEF1	D	None	None	None
DEF1	Lr			
DEF2	D	None	None	None
DEF2	G			
ENVDIS	COMB1	None	None	None
ENVDIS	COMB2			
ENVDIS	COMB3			
ENVDIS	COMB4			
ENVDIS	COMB5			
ENVDIS	COMB6			
ENVDIS	COMB7			
ENVDIS	COMB8			
ENVDIS	COMB9			
ENVDIS	COMB10			
ENVDIS	COMB11			
ENVDIS	COMB12			
ENVDIS	COMB13			

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
COMB2	Lr		
COMB3	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB3	G		
COMB4	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB4	Lr		
COMB5	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB5	G		
COMB6	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB6	W		
COMB7	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB7	W		
COMB8	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB8	Lr		
COMB8	W		
COMB9	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB9	Lr		
COMB9	W		
COMB10	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB10	G		
COMB10	W		
COMB11	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB11	G		
COMB11	W		
COMB12	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB12	W		
COMB13	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
COMB13	W		
DEF1	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF1	Lr		
DEF2	D	90e0d192-7be8-489d-a474-fcf1b46261e8	
DEF2	G		
ENVDIS	COMB1	bd658048-ba35-431f-8c25-dd77e83474b0	
ENVDIS	COMB2		
ENVDIS	COMB3		
ENVDIS	COMB4		
ENVDIS	COMB5		
ENVDIS	COMB6		
ENVDIS	COMB7		

Table: Combination Definitions, Part 3 of 3			
ComboName	**CaseName**	**GUID**	**Notes**
ENVDIS	COMB8		
ENVDIS	COMB9		
ENVDIS	COMB10		
ENVDIS	COMB11		
ENVDIS	COMB12		
ENVDIS	COMB13		

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Rectangular	N.A.	TIR 19X9	N.A.	Default
4	Rectangular	N.A.	PEN 18X9	N.A.	Default
5	Rectangular	N.A.	TORN 19X9	N.A.	Default
6	Rectangular	N.A.	TORN 19X9	N.A.	Default
7	Rectangular	N.A.	PAR 18X9	N.A.	Default
11	Rectangular	N.A.	PAR 18X9	N.A.	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
PAR 18X9	M-ES2	Rectangular	0.18	0.09		
PEN 18X9	M-ES2	Rectangular	0.18	0.09		
PUNT 0.09	M-ES2	Rectangular	0.09	0.09		
TIR 19X9	M-ES2	Rectangular	0.19	0.09		
TORN 19X9	M-ES2	Rectangular	0.19	0.09		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Area**	**TorsConst**	**I33**	**I22**	**I23**	**AS2**	**AS3**
	m2	m4	m4	m4	m4	m2	m2
PAR 18X9	0.0162	0.00003	0.000044	0.000011	0.	0.0135	0.0135
PEN 18X9	0.0162	0.00003	0.000044	0.000011	0.	0.0135	0.0135
PUNT 0.09	0.0081	9.240E-06	5.468E-06	5.468E-06	0.	0.00675	0.00675
TIR 19X9	0.0171	0.000032	0.000051	0.000012	0.	0.01425	0.01425
TORN 19X9	0.0171	0.000032	0.000051	0.000012	0.	0.01425	0.01425
UPN160	0.002402	6.971E-08	9.246E-06	8.539E-07	0.	0.0012	0.001138

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**S33**	**S22**	**Z33**	**Z22**	**R33**	**R22**	**EccV2**
	m3	m3	m3	m3	m	m	m
PAR 18X9	0.000486	0.000243	0.000729	0.000365	0.051962	0.025981	
PEN 18X9	0.000486	0.000243	0.000729	0.000365	0.051962	0.025981	
PUNT 0.09	0.000122	0.000122	0.000182	0.000182	0.025981	0.025981	
TIR 19X9	0.000542	0.000257	0.000812	0.000385	0.054848	0.025981	
TORN 19X9	0.000542	0.000257	0.000812	0.000385	0.054848	0.025981	
UPN160	0.000116	0.000018	0.000141	0.000039	0.062043	0.018855	0.038286

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**	**FromFile**	**AMod**
				Kgf	Kgf-s2/m		
PAR 18X9	No	No	Cyan	97.08	9.9	No	1.
PEN 18X9	No	No	White	18.14	1.85	No	1.
PUNT 0.09	No	No	Cyan	0.	0.	No	1.
TIR 19X9	No	No	Magenta	95.04	9.69	No	1.
TORN 19X9	No	No	Blue	41.27	4.21	No	1.
UPN160	No	No	Green	0.	0.	Yes	1.

Table: Frame Section Properties 01 - General, Part 5 of 7

Table: Frame Section Properties 01 - General, Part 5 of 7							
SectionName	**A2Mod**	**A3Mod**	**JMod**	**I2Mod**	**I3Mod**	**MMod**	**WMod**
PAR 18X9	1.	1.	1.	1.	1.	1.	1.
PEN 18X9	1.	1.	1.	1.	1.	1.	1.
PUNT 0.09	1.	1.	1.	1.	1.	1.	1.
TIR 19X9	1.	1.	1.	1.	1.	1.	1.
TORN 19X9	1.	1.	1.	1.	1.	1.	1.
UPN160	1.	1.	1.	1.	1.	1.	1.

Table: Frame Section Properties 01 - General, Part 6 of 7

Table: Frame Section Properties 01 - General, Part 6 of 7			
SectionName	**SectInFile**	**FileName**	**GUID**
PAR 18X9			
PEN 18X9			
PUNT 0.09			
TIR 19X9			
TORN 19X9			
UPN160	UPN160	c:\program files\computers and structures\sap2000 18\euro.pro	

Table: Frame Section Properties 01 - General, Part 7 of 7

Table: Frame Section Properties 01 - General, Part 7 of 7	
SectionName	**Notes**
PAR 18X9	Added 01/06/2017 00:06:46
PEN 18X9	Added 01/06/2017 00:08:01
PUNT 0.09	Added 01/06/2017 00:08:43
TIR 19X9	Added 01/06/2017 00:07:12
TORN 19X9	Added 01/06/2017 00:08:30
UPN160	Imported 26/11/2016 12:24:06 a. m. from Euro.pro

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		2.7	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.	Primary	Gray8Dark	Yes	End
GLOBAL	X		5.31	Primary	Gray8Dark	Yes	End
GLOBAL	X		7.94	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.6	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	**AllVisible**	**BubbleSize**
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Joint Loads - Force, Part 1 of 2

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	D	GLOBAL	0.	0.	-208.45	0.	0.
1	Lr	GLOBAL	0.	0.	-109.71	0.	0.
1	G	GLOBAL	0.	0.	-109.71	0.	0.

Table: Joint Loads - Force, Part 1 of 2							
Joint	**LoadPat**	**CoordSys**	**F1**	**F2**	**F3**	**M1**	**M2**
			Kgf	Kgf	Kgf	Kgf-m	Kgf-m
1	W	GLOBAL	0.	0.	-160.75	0.	0.
2	D	GLOBAL	0.	0.	-208.45	0.	0.
2	Lr	GLOBAL	0.	0.	-109.71	0.	0.
2	G	GLOBAL	0.	0.	-109.71	0.	0.
2	W	GLOBAL	0.	0.	-160.75	0.	0.
3	D	GLOBAL	0.	0.	-208.45	0.	0.
3	Lr	GLOBAL	0.	0.	-109.71	0.	0.
3	G	GLOBAL	0.	0.	-109.71	0.	0.
3	W	GLOBAL	0.	0.	-160.75	0.	0.
9	D	GLOBAL	0.	0.	-208.45	0.	0.
9	Lr	GLOBAL	0.	0.	-109.71	0.	0.
9	G	GLOBAL	0.	0.	-109.71	0.	0.
9	W	GLOBAL	0.	0.	-160.75	0.	0.
10	D	GLOBAL	0.	0.	-208.45	0.	0.
10	Lr	GLOBAL	0.	0.	-109.71	0.	0.
10	G	GLOBAL	0.	0.	-109.71	0.	0.
10	W	GLOBAL	0.	0.	-160.75	0.	0.
11	D	GLOBAL	0.	0.	-208.45	0.	0.
11	Lr	GLOBAL	0.	0.	-109.71	0.	0.
11	G	GLOBAL	0.	0.	-109.71	0.	0.
11	W	GLOBAL	0.	0.	-160.75	0.	0.
12	D	GLOBAL	0.	0.	-208.45	0.	0.
12	Lr	GLOBAL	0.	0.	-109.71	0.	0.
12	G	GLOBAL	0.	0.	-109.71	0.	0.
12	W	GLOBAL	0.	0.	-160.75	0.	0.
13	D	GLOBAL	0.	0.	-208.45	0.	0.
13	Lr	GLOBAL	0.	0.	-109.71	0.	0.
13	G	GLOBAL	0.	0.	-109.71	0.	0.
13	W	GLOBAL	0.	0.	-160.75	0.	0.
14	D	GLOBAL	0.	0.	-208.45	0.	0.
14	Lr	GLOBAL	0.	0.	-109.71	0.	0.
14	G	GLOBAL	0.	0.	-109.71	0.	0.
14	W	GLOBAL	0.	0.	-160.75	0.	0.

Table: Joint Loads - Force, Part 2 of 2

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
1	D	0.	a5189b80-3791-4d07-acc1-8695f939c5e7
1	Lr	0.	77bd66cf-037b-48e2-9a60-dcdd57d4567c
1	G	0.	eefcbdfc-a46b-4ec1-94e5-3b86cd13011a
1	W	0.	1234df9c-b590-4817-abea-b443ddc133c5
2	D	0.	c1d2efd1-5308-48ca-a162-106f9569a7a4

Table: Joint Loads - Force, Part 2 of 2			
Joint	**LoadPat**	**M3**	**GUID**
		Kgf-m	
2	Lr	0.	0f22ad47-91ef-469a-afbc-98ed689ee5a8
2	G	0.	79739050-387c-4b09-8f94-cc9a7a4fdad6
2	W	0.	c683bb13-dcb3-443d-a2c2-016493b93b21
3	D	0.	aa5a9ebd-daf6-404a-9c09-dac70dde672b
3	Lr	0.	d15dd8cd-b5c0-405b-a9b3-0586833f59c8
3	G	0.	89037b90-6682-4343-89b7-d334e0214398
3	W	0.	e1425299-4571-4d6d-bddb-216024d7c4a5
9	D	0.	a4dd5c56-ffc0-4cc5-8b25-de51fc7a4201
9	Lr	0.	400e1745-98a3-4d5f-8999-8b91847d48b4
9	G	0.	ce5a6d99-510c-49d8-bc5e-9d648b07ac23
9	W	0.	cb1f0268-6cb4-4ad0-8583-b9732e2db3aa
10	D	0.	12425ea7-0ba1-4f7c-a331-7b03a22e389c
10	Lr	0.	49478d1d-7e9b-4aba-8768-53512a93b6b0
10	G	0.	5f68336c-775b-4822-a2ee-3c65e84d7dc1
10	W	0.	35368290-9043-40f1-84d5-32b488f57ac8
11	D	0.	9bfac220-98cf-49d5-9258-8e357d50809b
11	Lr	0.	243b6db6-e79e-45e9-a3a5-c47b62a9cd1e
11	G	0.	9fe2622f-c4d8-4921-8df3-acb47ca773b7
11	W	0.	8de09e54-0e47-4efc-950a-cea6d6fa20ff
12	D	0.	fbb185a2-65a1-4055-922a-5678467e4228
12	Lr	0.	fbdb2d17-dcd0-47e9-879e-9fcc27371ced
12	G	0.	cb95347c-7c9d-43cd-a2b8-f45a20e0a01c
12	W	0.	6519e0ef-a28b-4846-ac67-faeba36b67e5
13	D	0.	668fc892-0478-405e-929f-f04e1026f124
13	Lr	0.	2c5a423b-c394-4c11-8e99-2f9d1ae27f2b
13	G	0.	b891c682-3fb4-45f4-8612-88a070eacc75
13	W	0.	910f8c03-3b8e-4166-8c90-4061094f0144

Table: Joint Loads - Force, Part 2 of 2			
Joint	LoadPat	M3	GUID
		Kgf-m	
14	D	0.	d4b6f4b6-dce9-412b-8a3b-0b45c450aa65
14	Lr	0.	819e79e1-cd94-4dba-b136-f326e66dcd38
14	G	0.	77a48dce-653c-4bb9-9cb4-741448313bd7
14	W	0.	0146dd6a-d8c6-47c3-9609-43fa66465e6f

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
D	LinStatic	Zero				Prog Det	Dead
MODAL	LinModal	Zero				Prog Det	Other
Lr	LinStatic	Zero				Prog Det	Live
W	LinStatic	Zero				Prog Det	Wind
G	LinStatic	Zero				Prog Det	Snow
PP	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	DesActOpt	DesignAct	AutoType	RunCase	CaseStatus	GUID
D	Prog Det	Non-Composite	None	Yes	Finished	
MODAL	Prog Det	Other	None	No	Not Run	
Lr	Prog Det	Short-Term Composite	None	Yes	Finished	
W	Prog Det	Short-Term Composite	None	Yes	Finished	
G	Prog Det	Short-Term Composite	None	Yes	Finished	
PP	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	Notes
D	
MODAL	
Lr	
W	
G	

Table: Load Case Definitions, Part 3 of 3	
Case	**Notes**
PP	

Table: Material Properties 01 - General, Part 1 of 2

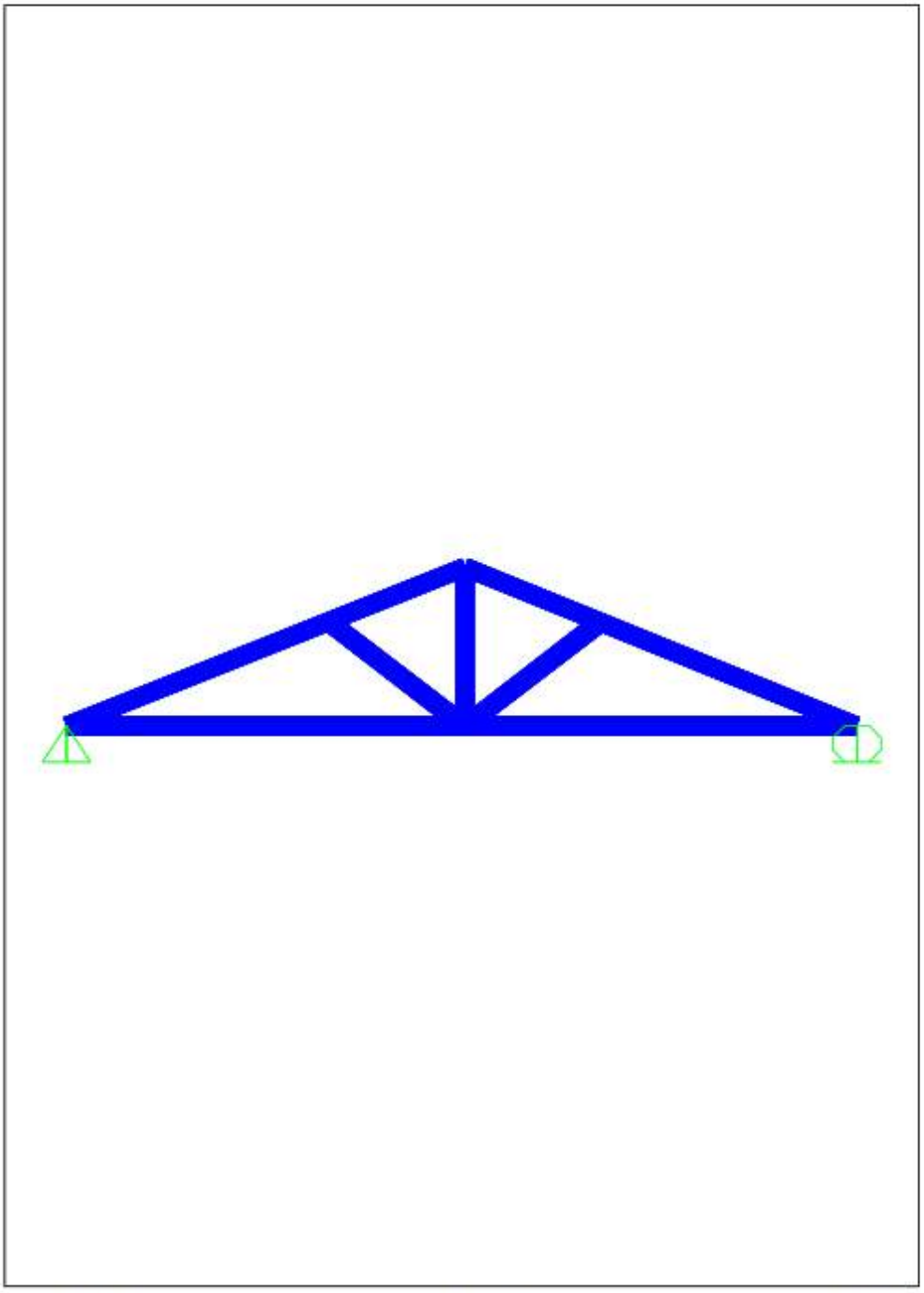
Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 2 of 2

Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
4000Psi	Normalweight f'c = 4 ksi added 17/07/2013 03:26:22 p.m.
A36	United States ASTM A36 Grade 36 added 12/01/2017 12:54:05 a. m.
A416Gr270	ASTM A416 Grade 270 12/01/2017 1:15:45 a. m.
A500GrA-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrA-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TEC	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A500GrC-TER	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A572Gr50	United States ASTM A572 Grade 50 added 12/01/2017 1:48:04 a. m.
A588	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
A615Gr60	ASTM A615 Grade 60 added 19/07/2013 09:42:14 a.m.
A653SQGr50	ASTM A653 SQ Grade 50 added 11/02/2015 03:23:47 p.m.
A992Fy50	ASTM A992 Fy=50 ksi added 17/07/2013 03:26:22 p.m.
M-ES1	MAT added 12/01/2017 1:33:33 a. m.
M-ES2	MAT added 12/01/2017 1:33:33 a. m.
M-ES3	MAT added 12/01/2017 1:33:33 a. m.
M-ES4	MAT added 12/01/2017 1:33:33 a. m.

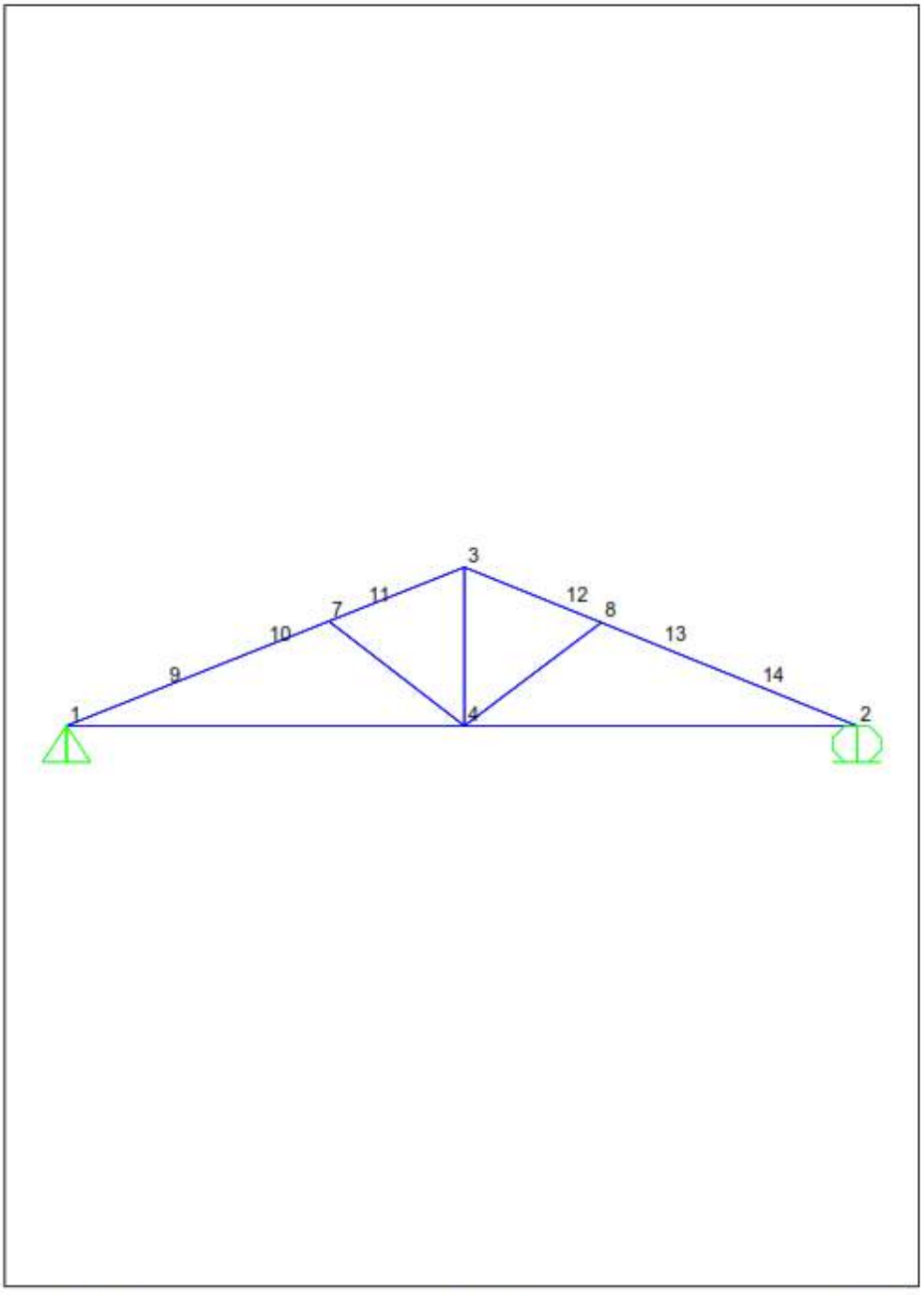
Table: Material Properties 01 - General, Part 2 of 2	
Material	**Notes**
M-ES5	MAT added 12/01/2017 1:33:33 a. m.
M-ES6	MAT added 12/01/2017 1:33:33 a. m.

CERCHA TIPO 1.sdb



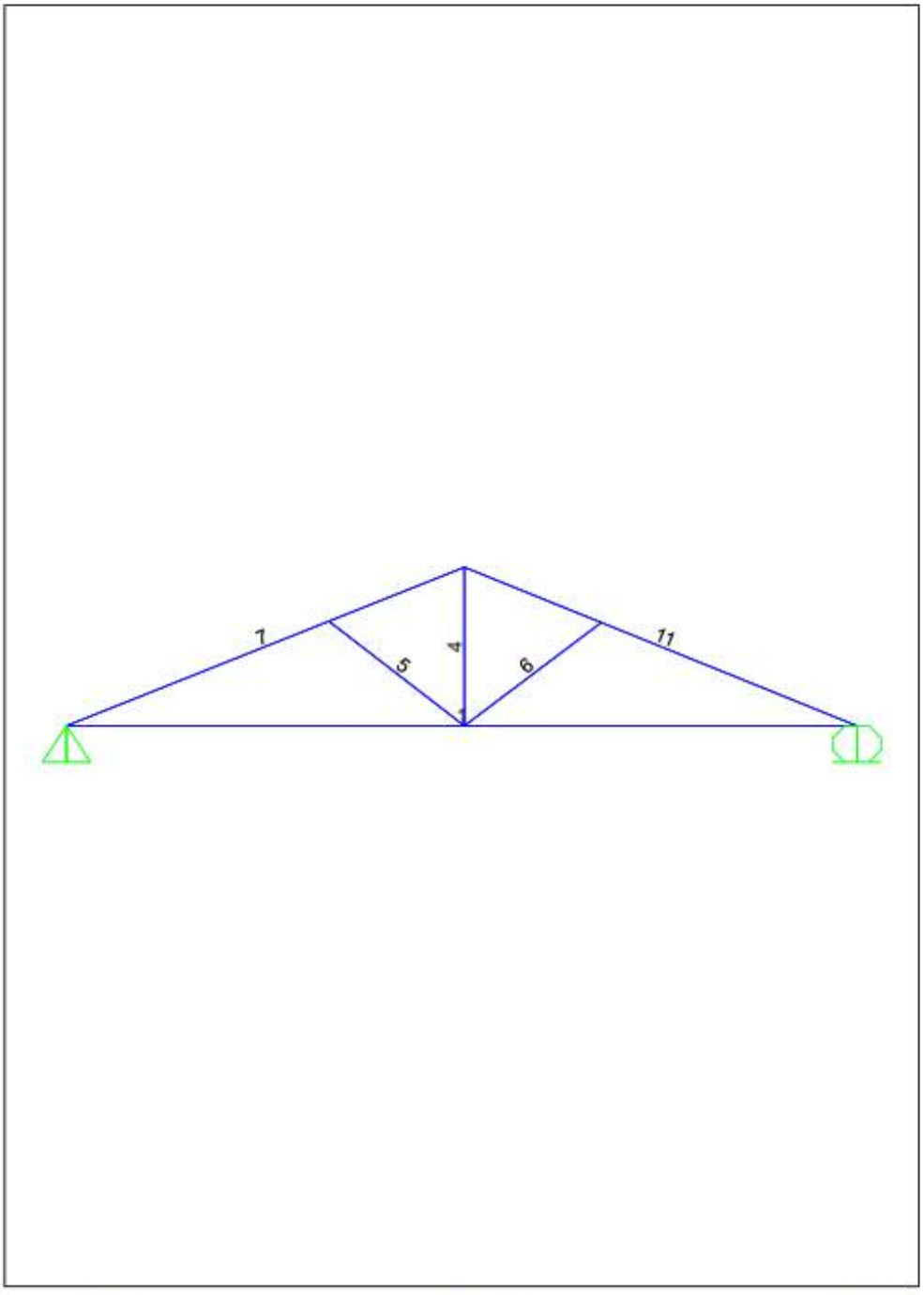
SAP2000 18.2.0 Joint Restraints Kgf, m, C

CERCHA TIPO 1.sdb



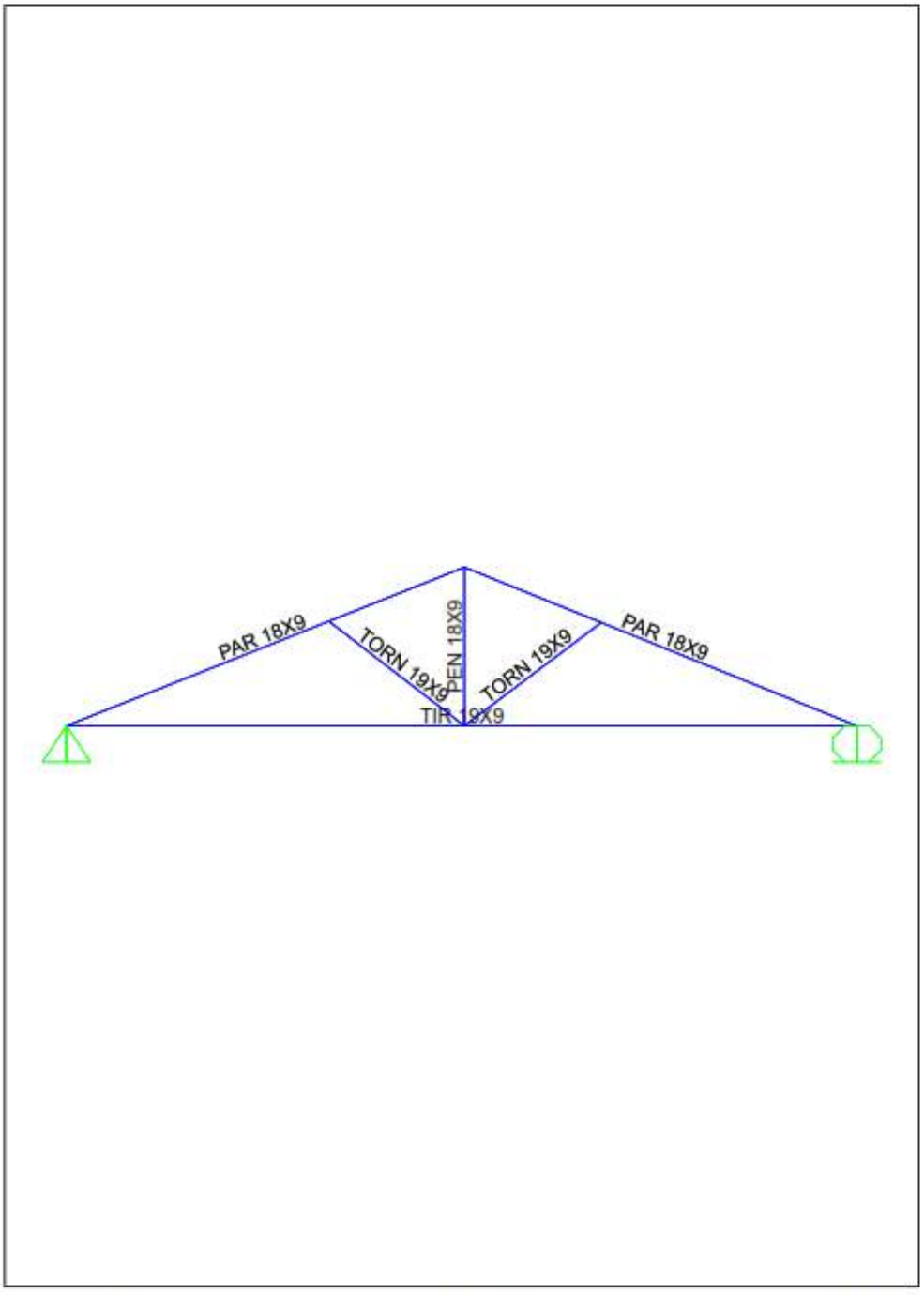
SAP2000 18.2.0 Joint Restraints Kgf, m, C

CERCHA TIPO 1.sdb



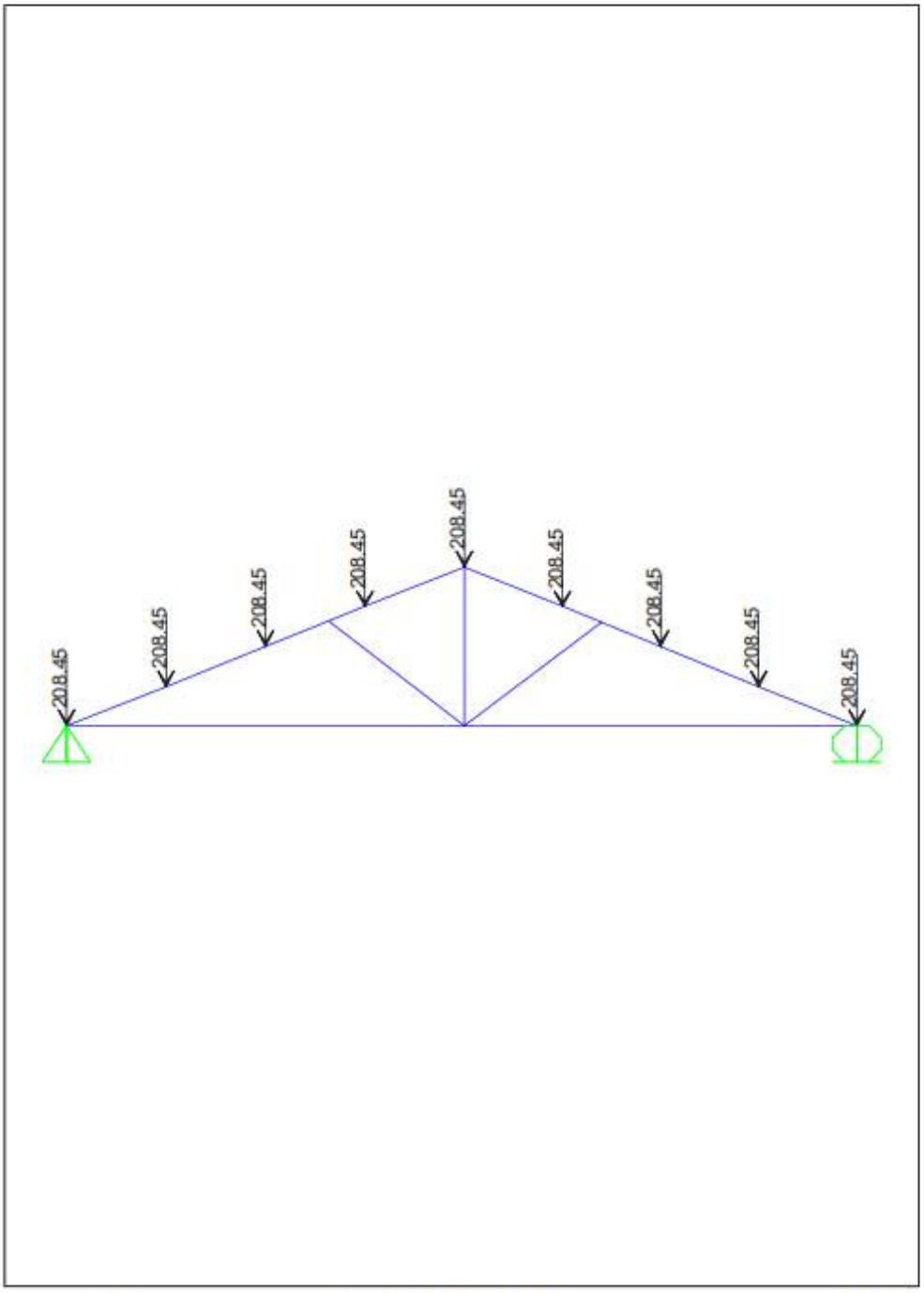
SAP2000 18.2.0 Joint Restraints Kgf, m, C

CERCHA TIPO 1.sdb



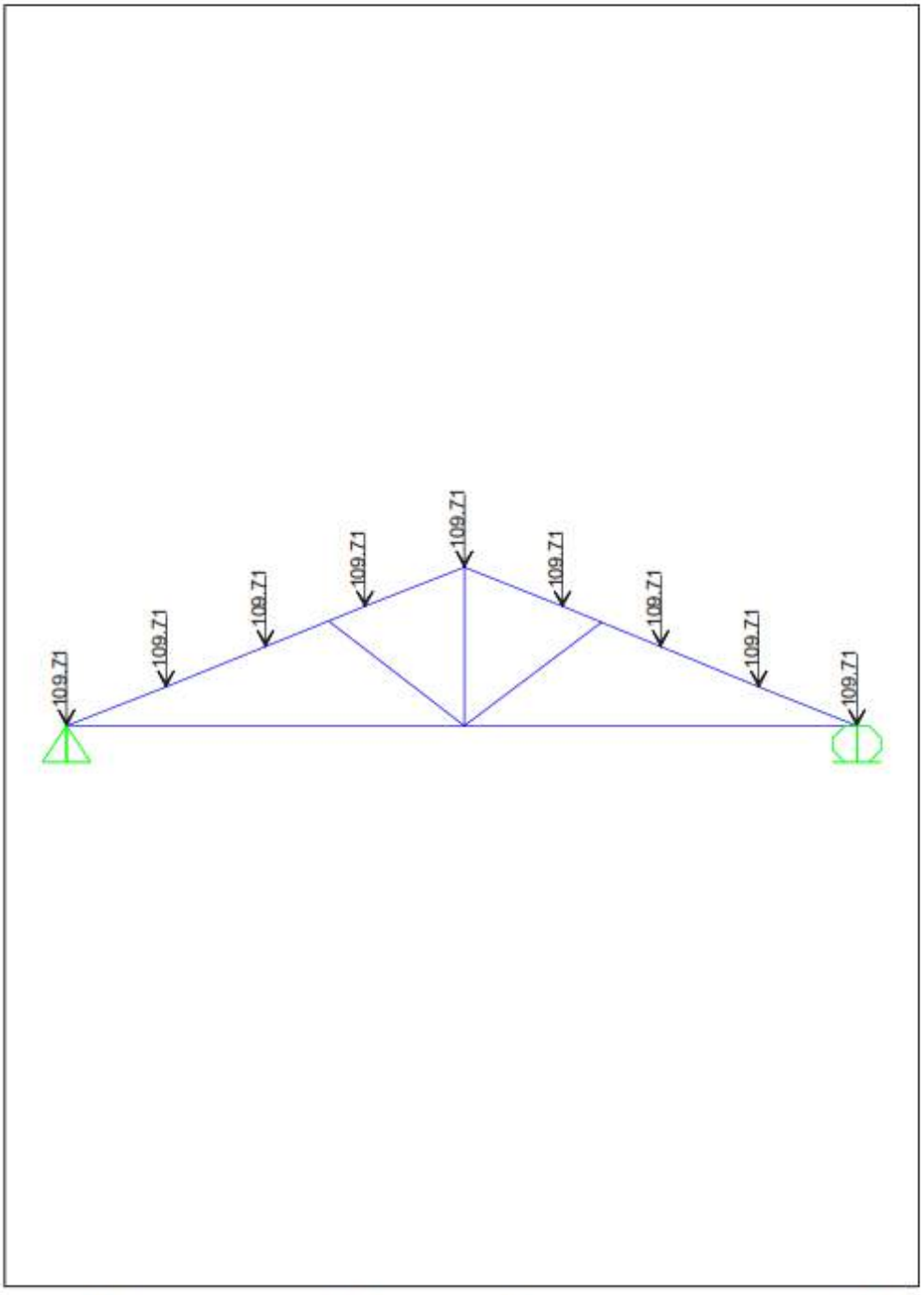
SAP2000 18.2.0 Joint Restraints Kgf, m, C

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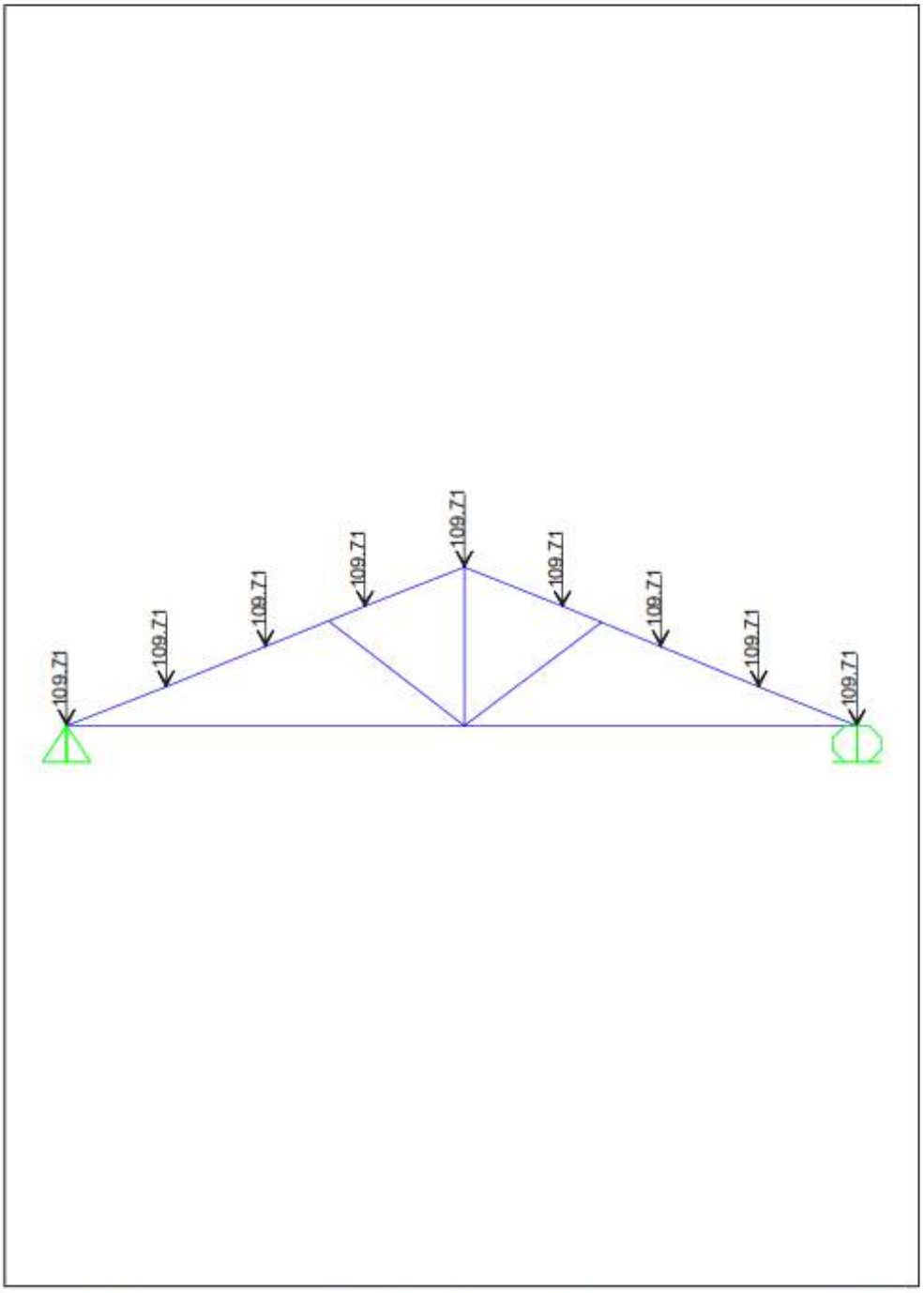
SAP2000 18.2.0 Joint Loads (D) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



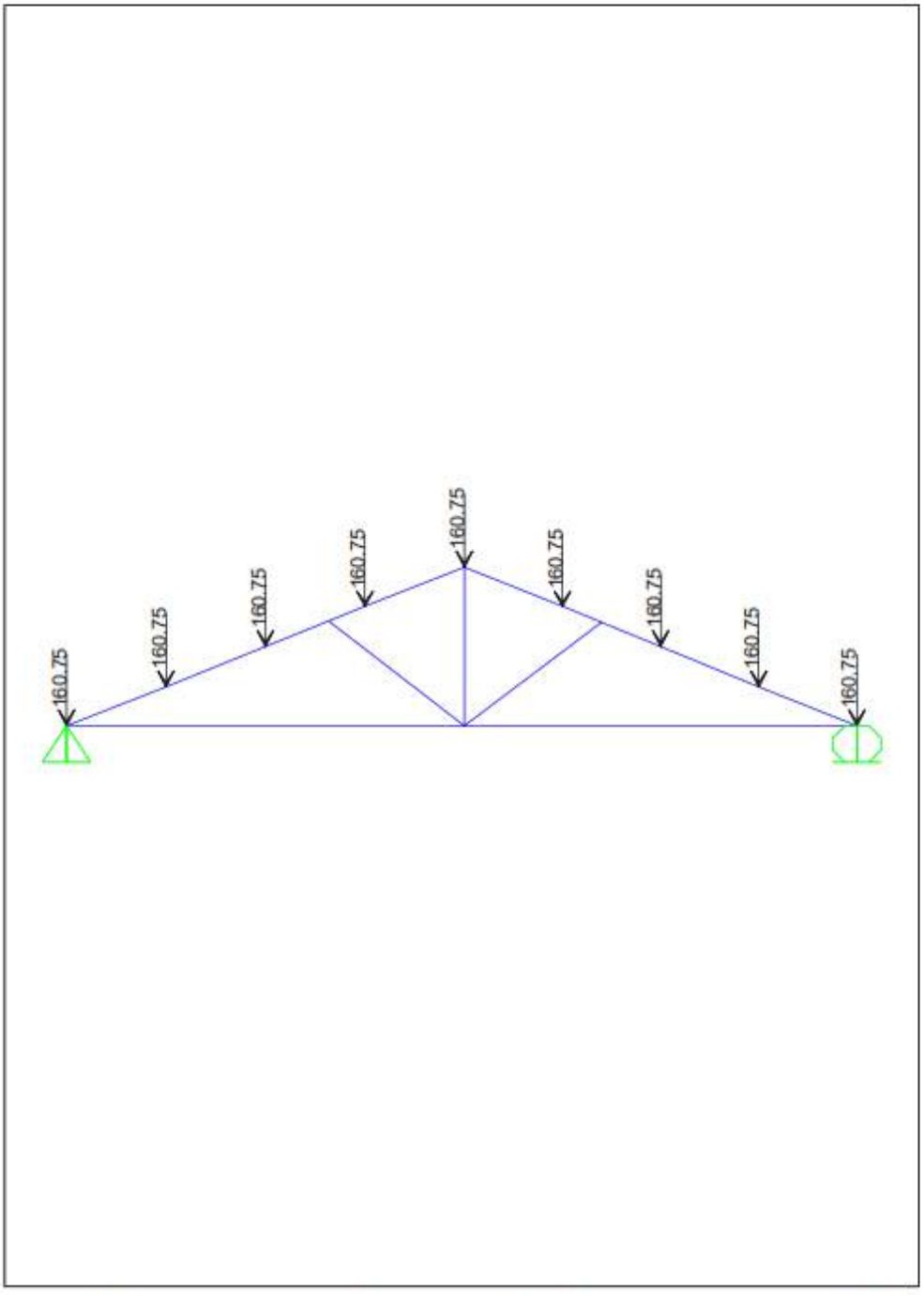
SAP2000 18.2.0 Joint Loads (Lr) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



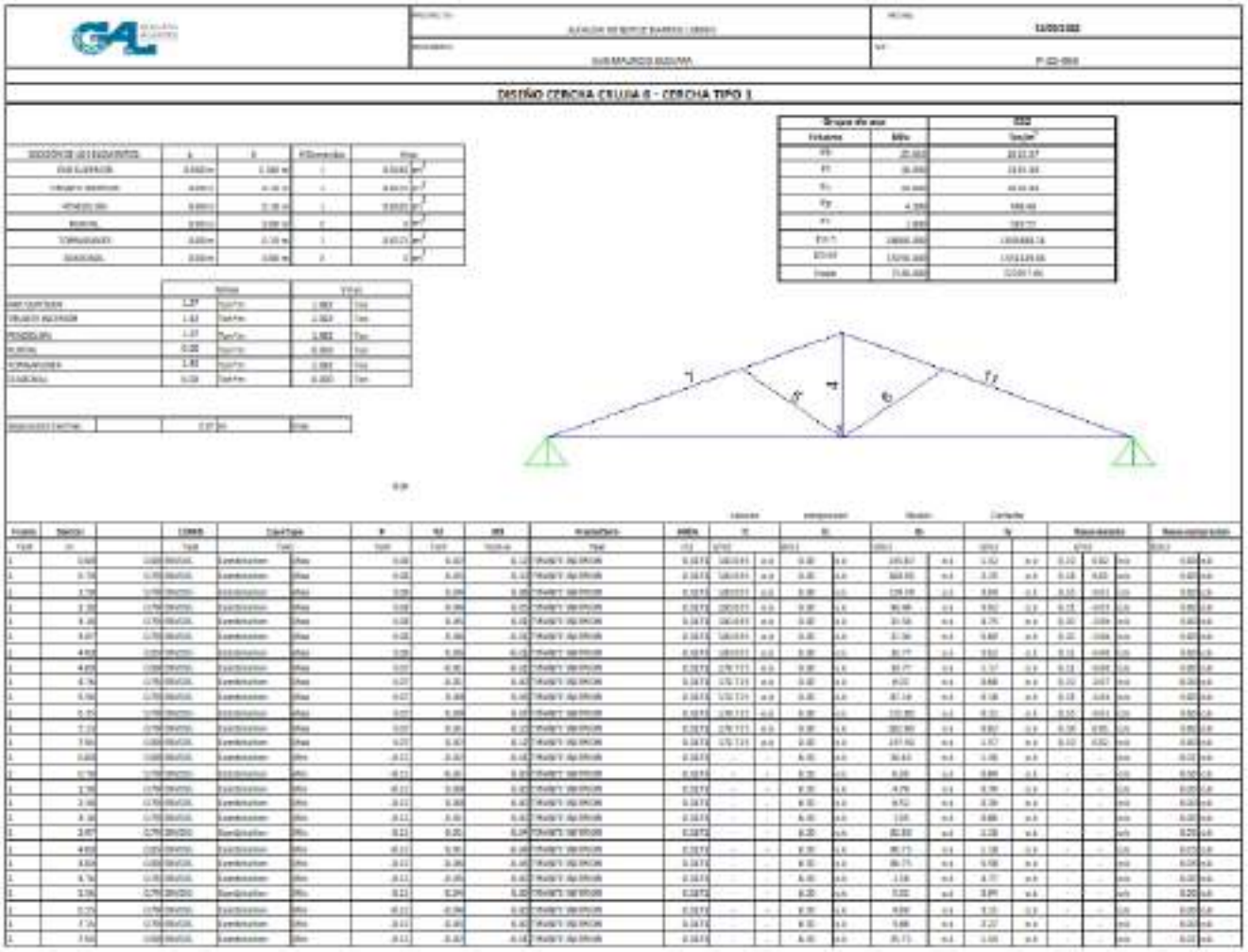
SAP2000 18.2.0 Joint Loads (G) (GLOBAL CSys) Kgf, m, C

CERCHA TIPO 1.sdb



SAP2000 18.2.0 Joint Loads (W) (GLOBAL CSys) Kgf, m, C

Analisis Elmentos Grupo ES2



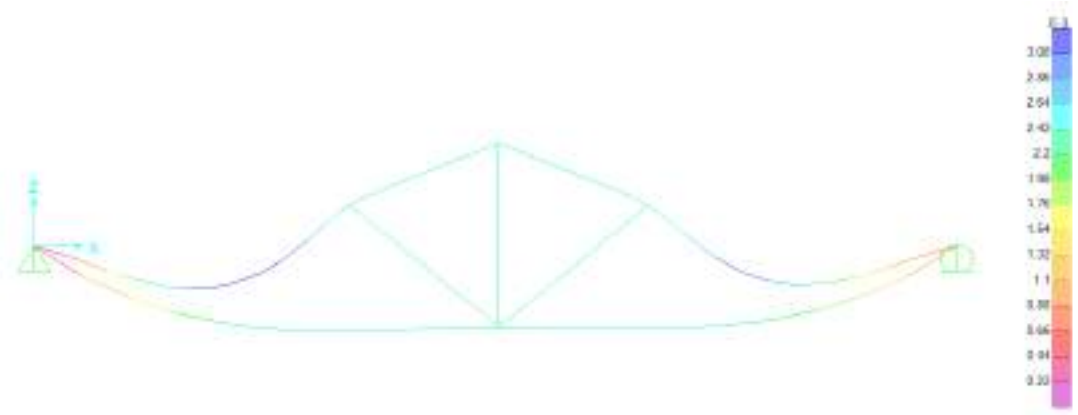
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
4	0.00	0.00	ENVDIS	Combination	Max	1.42	0.00	0.00	PENDOLON	0.0162	87.772	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	0.16	0.16	ENVDIS	Combination	Max	1.42	0.00	0.00	PENDOLON	0.0162	87.889	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	0.32	0.16	ENVDIS	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.000	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	0.48	0.16	ENVDIS	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.111	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	0.64	0.16	ENVDIS	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	0.80	0.16	ENVDIS	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.333	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	0.96	0.16	ENVDIS	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.444	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	1.12	0.16	ENVDIS	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.556	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	1.28	0.16	ENVDIS	Combination	Max	1.44	0.00	0.00	PENDOLON	0.0162	88.673	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	1.44	0.16	ENVDIS	Combination	Max	1.44	0.00	0.00	PENDOLON	0.0162	88.784	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	1.60	0.00	ENVDIS	Combination	Max	1.44	0.00	0.00	PENDOLON	0.0162	88.895	o.k	0.00	o.k	0.00	-	0.00	o.k	0.05	-0.03	o.k	0.00	o.k
4	0.00	0.00	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	2.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.16	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	2.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.32	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.48	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.88	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.64	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.81	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.80	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.96	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.12	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.61	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.28	0.16	ENVDIS	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.54	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.44	0.16	ENVDIS	Combination	Min	-0.02	0.00	0.00	PENDOLON	0.0162	-	-	1.48	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.60	0.00	ENVDIS	Combination	Min	-0.02	0.00	0.00	PENDOLON	0.0162	-	-	1.41	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.00	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.281	o.k	0.00	o.k	0.00	-	0.43	o.k	0.00	0.00	o.k	0.00	o.k
5	0.17	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.327	o.k	0.00	o.k	2.61	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
5	0.35	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.368	o.k	0.00	o.k	4.65	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
5	0.52	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.415	o.k	0.00	o.k	6.11	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
5	0.69	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.456	o.k	0.00	o.k	6.98	o.k	0.09	o.k	0.00	0.00	o.k	0.00	o.k
5	0.86	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.503	o.k	0.00	o.k	7.26	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
5	1.04	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.544	o.k	0.00	o.k	6.98	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
5	1.21	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.591	o.k	0.00	o.k	6.11	o.k	0.29	o.k	0.00	0.00	o.k	0.00	o.k
5	1.38	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.637	o.k	0.00	o.k	4.65	o.k	0.43	o.k	0.00	0.00	o.k	0.00	o.k
5	1.55	0.17	ENVDIS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.678	o.k	0.00	o.k	2.61	o.k	0.58	o.k	0.00	0.00	o.k	0.00	o.k
5	1.75	0.00	ENVDIS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.725	o.k	0.00	o.k	0.00	o.k	0.72	o.k	0.00	0.00	o.k	0.00	o.k
5	0.00	0.00	ENVDIS	Combination	Min	-1.06	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.88	o.k	0.00	-	0.72	o.k	-	-	o.k	0.00	o.k
5	0.17	0.17	ENVDIS	Combination	Min	-1.06	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.80	o.k	1.56	o.k	0.58	o.k	-	-	o.k	0.00	o.k
5	0.35	0.17	ENVDIS	Combination	Min	-1.06	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.73	o.k	2.80	o.k	0.43	o.k	-	-	o.k	0.00	o.k
5	0.52	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.65	o.k	3.66	o.k	0.29	o.k	-	-	o.k	0.00	o.k
5	0.69	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.58	o.k	4.20	o.k	0.14	o.k	-	-	o.k	0.00	o.k
5	0.86	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.51	o.k	4.36	o.k	0.00	o.k	-	-	o.k	0.00	o.k
5	1.04	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.43	o.k	4.20	o.k	0.09	o.k	-	-	o.k	0.00	o.k
5	1.21	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.36	o.k	3.66	o.k	0.18	o.k	-	-	o.k	0.00	o.k
5	1.38	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.29	o.k	2.80	o.k	0.25	o.k	-	-	o.k	0.00	o.k
5	1.55	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.21	o.k	1.56	o.k	0.34	o.k	-	-	o.k	0.00	o.k
5	1.75	0.00	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.14	o.k	0.00	o.k	0.43	o.k	-	-	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.275	o.k	0.00	o.k	0.00	-	0.43	o.k	0.00	0.00	o.k	0.00	o.k
6	0.17	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.322	o.k	0.00	o.k	2.61	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
6	0.34	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.363	o.k	0.00	o.k	4.65	o.k	0.25	o.k	0.00	0.00	o.k	0.00	o.k
6	0.52	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.409	o.k	0.00	o.k	6.09	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
6	0.69	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.450	o.k	0.00	o.k	6.95	o.k	0.09	o.k	0.00	0.00	o.k	0.00	o.k
6	0.86	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.497	o.k	0.00	o.k	7.24	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	1.03	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.538	o.k	0.00	o.k	6.95	o.k	0.14	o.k	0.00	0.00	o.k	0.00	o.k
6	1.20	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.585	o.k	0.00	o.k	6.09	o.k	0.29	o.k	0.00	0.00	o.k	0.00	o.k
6	1.38	0.17	ENVDIS	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.626	o.k	0.00	o.k	4.65	o.k	0.43	o.k	0.00	0.00	o.k	0.00	o.k
6	1.55	0.17	ENVDIS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.673	o.k	0.00	o.k	2.61	o.k	0.58	o.k	0.00	0.00	o.k	0.00	o.k
6	1.72	0.00	ENVDIS	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.713	o.k	0.00	o.k	0.72	o.k	0.00	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVDIS	Combination	Min	-1.05	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.31	o.k	0.00	-	0.72	o.k	-	-	o.k	0.00	o.k
6	0.17	0.17	ENVDIS	Combination	Min	-1.05	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.24	o.k	1.56	o.k	0.58	o.k	-	-	o.k	0.00	o.k
6	0.34	0.17	ENVDIS	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.16	o.k	2.78	o.k	0.43	o.k	-	-	o.k	0.00	o.k
6	0.52	0.17	ENVDIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.09	o.k	3.66	o.k	0.29	o.k	-	-	o.k	0.00	o.k
6	0.69	0.17	ENVDIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.02	o.k	4.18	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	0.86	0.17	ENVDIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.95	o.k	4.34	o.k	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	1.03	0.17	ENVOIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.87	o.k	4.18	o.k	0.09	o.k	-	-	o.k	0.00	o.k
6	1.20	0.17	ENVOIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.80	o.k	3.66	o.k	0.18	o.k	-	-	o.k	0.00	o.k
6	1.38	0.17	ENVOIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.73	o.k	2.78	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	1.55	0.17	ENVOIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.65	o.k	1.56	o.k	0.34	o.k	-	-	o.k	0.00	o.k
6	1.72	0.00	ENVOIS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.58	o.k	0.00	o.k	0.43	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Max	0.12	0.02	0.01	PAR SUPERIOR	0.0162	7.648	o.k	0.00	o.k	26.63	o.k	1.83	o.k	0.01	0.01	o.k	0.00	o.k
7	0.45	0.45	ENVOIS	Combination	Max	0.13	0.02	0.02	PAR SUPERIOR	0.0162	7.716	o.k	0.00	o.k	36.93	o.k	2.08	o.k	0.02	0.01	o.k	0.00	o.k
7	0.86	0.43	ENVOIS	Combination	Max	0.13	0.03	0.15	PAR SUPERIOR	0.0162	7.778	o.k	0.00	o.k	313.74	o.k	2.33	o.k	0.12	0.12	o.k	0.00	o.k
7	1.08	0.22	ENVOIS	Combination	Max	0.13	0.03	0.22	PAR SUPERIOR	0.0162	7.815	o.k	0.00	o.k	450.62	o.k	2.46	o.k	0.18	0.17	o.k	0.00	o.k
7	1.08	0.00	ENVOIS	Combination	Max	0.11	0.07	0.22	PAR SUPERIOR	0.0162	6.994	o.k	0.00	o.k	450.62	o.k	6.87	o.k	0.18	0.17	o.k	0.00	o.k
7	1.29	0.22	ENVOIS	Combination	Max	0.11	0.08	0.20	PAR SUPERIOR	0.0162	7.051	o.k	0.00	o.k	417.24	o.k	7.07	o.k	0.16	0.16	o.k	0.00	o.k
7	1.72	0.43	ENVOIS	Combination	Max	0.12	0.08	0.17	PAR SUPERIOR	0.0162	7.099	o.k	0.00	o.k	347.49	o.k	7.50	o.k	0.14	0.13	o.k	0.00	o.k
7	2.15	0.43	ENVOIS	Combination	Max	0.12	0.09	0.15	PAR SUPERIOR	0.0162	7.167	o.k	0.00	o.k	275.70	o.k	7.92	o.k	0.11	0.10	o.k	0.00	o.k
7	2.15	0.00	ENVOIS	Combination	Max	0.10	0.47	0.15	PAR SUPERIOR	0.0162	6.346	o.k	0.00	o.k	275.70	o.k	45.28	o.k	0.11	0.10	o.k	0.00	o.k
7	2.58	0.43	ENVOIS	Combination	Max	0.10	0.47	0.00	PAR SUPERIOR	0.0162	6.414	o.k	0.00	o.k	10.27	o.k	43.69	o.k	0.01	0.00	o.k	0.00	o.k
7	2.85	0.25	ENVOIS	Combination	Max	0.10	0.47	0.01	PAR SUPERIOR	0.0162	6.451	o.k	0.00	o.k	25.35	o.k	43.94	o.k	0.01	0.01	o.k	0.00	o.k
7	2.85	0.00	ENVOIS	Combination	Max	0.08	0.03	0.01	PAR SUPERIOR	0.0162	4.710	o.k	0.00	o.k	25.35	o.k	2.86	o.k	0.01	0.01	o.k	0.00	o.k
7	3.02	0.18	ENVOIS	Combination	Max	0.08	0.03	0.01	PAR SUPERIOR	0.0162	4.741	o.k	0.00	o.k	14.42	o.k	2.76	o.k	0.01	0.00	o.k	0.00	o.k
7	3.25	0.22	ENVOIS	Combination	Max	0.08	0.03	0.00	PAR SUPERIOR	0.0162	4.772	o.k	0.00	o.k	0.91	o.k	2.89	o.k	0.00	0.00	o.k	0.00	o.k
7	3.25	0.00	ENVOIS	Combination	Max	0.06	0.00	0.00	PAR SUPERIOR	0.0162	3.957	o.k	0.00	o.k	0.91	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
7	3.45	0.22	ENVOIS	Combination	Max	0.06	0.00	0.00	PAR SUPERIOR	0.0162	3.988	o.k	0.00	o.k	1.46	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
7	3.88	0.43	ENVOIS	Combination	Max	0.07	0.00	0.00	PAR SUPERIOR	0.0162	4.056	o.k	0.00	o.k	0.74	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
7	4.31	0.00	ENVOIS	Combination	Max	0.07	0.00	0.01	PAR SUPERIOR	0.0162	4.123	o.k	0.00	o.k	21.03	o.k	0.45	o.k	0.01	0.01	o.k	0.00	o.k
7	0.00	0.00	ENVOIS	Combination	Min	-3.44	-0.52	-0.12	PAR SUPERIOR	0.0162	-	-	212.56	o.k	245.87	o.k	29.55	o.k	-	-	o.k	0.11	o.k
7	0.45	0.45	ENVOIS	Combination	Min	-3.44	-0.51	0.00	PAR SUPERIOR	0.0162	-	-	212.44	o.k	7.92	o.k	29.12	o.k	-	-	o.k	0.01	o.k
7	0.86	0.43	ENVOIS	Combination	Min	-3.44	-0.51	-0.01	PAR SUPERIOR	0.0162	-	-	212.33	o.k	15.21	o.k	28.70	o.k	-	-	o.k	0.02	o.k
7	1.08	0.22	ENVOIS	Combination	Min	-3.44	-0.51	-0.01	PAR SUPERIOR	0.0162	-	-	212.27	o.k	24.69	o.k	28.49	o.k	-	-	o.k	0.02	o.k
7	1.08	0.00	ENVOIS	Combination	Min	-3.29	-0.01	-0.01	PAR SUPERIOR	0.0162	-	-	202.85	o.k	24.69	o.k	0.61	o.k	-	-	o.k	0.02	o.k
7	1.29	0.22	ENVOIS	Combination	Min	-3.29	-0.01	-0.01	PAR SUPERIOR	0.0162	-	-	202.79	o.k	22.08	o.k	0.48	o.k	-	-	o.k	0.02	o.k
7	1.72	0.43	ENVOIS	Combination	Min	-3.28	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	202.68	o.k	18.68	o.k	0.25	o.k	-	-	o.k	0.02	o.k
7	2.15	0.43	ENVOIS	Combination	Min	-3.28	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	202.56	o.k	17.67	o.k	0.02	o.k	-	-	o.k	0.02	o.k
7	2.15	0.00	ENVOIS	Combination	Min	-3.13	-0.03	-0.01	PAR SUPERIOR	0.0162	-	-	193.14	o.k	17.67	o.k	3.05	o.k	-	-	o.k	0.02	o.k
7	2.58	0.43	ENVOIS	Combination	Min	-3.13	-0.03	-0.07	PAR SUPERIOR	0.0162	-	-	193.02	o.k	142.61	o.k	2.80	o.k	-	-	o.k	0.06	o.k
7	2.85	0.25	ENVOIS	Combination	Min	-3.13	-0.03	-0.19	PAR SUPERIOR	0.0162	-	-	192.96	o.k	385.47	o.k	2.65	o.k	-	-	o.k	0.16	o.k
7	2.85	0.00	ENVOIS	Combination	Min	-2.59	-0.42	-0.19	PAR SUPERIOR	0.0162	-	-	159.64	o.k	385.47	o.k	58.97	o.k	-	-	o.k	0.15	o.k
7	3.02	0.18	ENVOIS	Combination	Min	-2.59	-0.42	-0.11	PAR SUPERIOR	0.0162	-	-	159.60	o.k	228.74	o.k	58.80	o.k	-	-	o.k	0.09	o.k
7	3.25	0.22	ENVOIS	Combination	Min	-2.58	-0.42	-0.02	PAR SUPERIOR	0.0162	-	-	159.54	o.k	43.56	o.k	58.58	o.k	-	-	o.k	0.02	o.k
7	3.25	0.00	ENVOIS	Combination	Min	-2.43	-0.03	-0.02	PAR SUPERIOR	0.0162	-	-	150.11	o.k	43.56	o.k	3.22	o.k	-	-	o.k	0.02	o.k
7	3.45	0.22	ENVOIS	Combination	Min	-2.43	-0.03	-0.01	PAR SUPERIOR	0.0162	-	-	150.06	o.k	28.64	o.k	3.01	o.k	-	-	o.k	0.02	o.k
7	3.88	0.43	ENVOIS	Combination	Min	-2.43	-0.03	0.00	PAR SUPERIOR	0.0162	-	-	149.94	o.k	1.79	o.k	2.59	o.k	-	-	o.k	0.01	o.k
7	4.31	0.00	ENVOIS	Combination	Min	-2.43	-0.02	0.00	PAR SUPERIOR	0.0162	-	-	149.83	o.k	2.37	o.k	2.18	o.k	-	-	o.k	0.01	o.k
11	0.00	0.00	ENVOIS	Combination	Max	0.07	0.02	0.01	PAR SUPERIOR	0.0162	4.123	o.k	0.00	o.k	21.03	o.k	1.42	o.k	0.01	0.01	o.k	0.00	o.k
11	0.45	0.45	ENVOIS	Combination	Max	0.07	0.02	0.00	PAR SUPERIOR	0.0162	4.056	o.k	0.00	o.k	5.72	o.k	1.82	o.k	0.00	0.00	o.k	0.00	o.k
11	0.85	0.43	ENVOIS	Combination	Max	0.06	0.02	0.00	PAR SUPERIOR	0.0162	3.988	o.k	0.00	o.k	0.60	o.k	2.24	o.k	0.00	0.00	o.k	0.00	o.k
11	1.06	0.21	ENVOIS	Combination	Max	0.06	0.03	0.00	PAR SUPERIOR	0.0162	3.951	o.k	0.00	o.k	0.14	o.k	2.44	o.k	0.00	0.00	o.k	0.00	o.k
11	1.06	0.00	ENVOIS	Combination	Max	0.08	0.41	0.00	PAR SUPERIOR	0.0162	4.784	o.k	0.00	o.k	0.14	o.k	37.75	o.k	0.00	0.00	o.k	0.00	o.k
11	1.28	0.21	ENVOIS	Combination	Max	0.08	0.41	0.01	PAR SUPERIOR	0.0162	4.747	o.k	0.00	o.k	13.00	o.k	37.94	o.k	0.01	0.00	o.k	0.00	o.k
11	1.48	0.20	ENVOIS	Combination	Max	0.08	0.41	0.01	PAR SUPERIOR	0.0162	4.716	o.k	0.00	o.k	24.90	o.k	38.15	o.k	0.01	0.01	o.k	0.00	o.k
11	1.48	0.00	ENVOIS	Combination	Max	0.10	0.03	0.01	PAR SUPERIOR	0.0162	6.444	o.k	0.00	o.k	24.90	o.k	2.69	o.k	0.01	0.01	o.k	0.00	o.k
11	1.70	0.22	ENVOIS	Combination	Max	0.10	0.03	0.01	PAR SUPERIOR	0.0162	6.414	o.k	0.00	o.k	11.13	o.k	2.82	o.k	0.01	0.00	o.k	0.00	o.k
11	2.13	0.43	ENVOIS	Combination	Max	0.10	0.03	0.13	PAR SUPERIOR	0.0162	6.346	o.k	0.00	o.k	258.74	o.k	3.07	o.k	0.10	0.10	o.k	0.00	o.k
11	2.13	0.00	ENVOIS	Combination	Max	0.12	0.00	0.13	PAR SUPERIOR	0.0162	7.173	o.k	0.00	o.k	258.74	o.k	0.01	o.k	0.10	0.10	o.k	0.00	o.k
11	2.55	0.43	ENVOIS	Combination	Max	0.12	0.00	0.16	PAR SUPERIOR	0.0162	7.305	o.k	0.00	o.k	354.03	o.k	0.26	o.k	0.13	0.12	o.k	0.00	o.k
11	2.98	0.43	ENVOIS	Combination	Max	0.11	0.01	0.20	PAR SUPERIOR	0.0162	7.057	o.k	0.00	o.k	405.41	o.k	0.51	o.k	0.16	0.15	o.k	0.00	o.k
11	3.19	0.21	ENVOIS	Combination	Max	0.11	0.01	0.21	PAR SUPERIOR	0.0162	7.006	o.k	0.00	o.k	439.65	o.k	0.83	o.k	0.17	0.17	o.k	0.00	o.k
11	3.19	0.00	ENVOIS	Combination	Max	0.13	0.50	0.21	PAR SUPERIOR	0.0162	7.833	o.k	0.00	o.k	439.65	o.k	28.15	o.k	0.17	0.17	o.k	0.00	o.k
11	3.40	0.21	ENVOIS	Combination	Max	0.13	0.51	0.15	PAR SUPERIOR	0.0162	7.802	o.k	0.00	o.k	306.17	o.k	28.35	o.k	0.12	0.11	o.k	0.00	o.k
11	3.83	0.43	ENVOIS	Combination	Max	0.13	0.51	0.02	PAR SUPERIOR	0.0162	7.735	o.k	0.00	o.k	36.30	o.k	28.77	o.k	0.02	0.01	o.k	0.00	o.k
11	4.25	0.00	ENVOIS	Combination	Max	0.12	0.52	0.01	PAR SUPERIOR	0.0162	7.667	o.k	0.00	o.k	25.72	o.k	29.18	o.k	0.01	0.01	o.k	0.00	o.k
11	0.00	0.00	ENVOIS	Combination	Min	-2.43	0.00	0.00	PAR SUPERIOR	0.0162	-	-	149.95	o.k	2.37	o.k	0.41	o.k	-	-	o.k	0.01	o.k
11	0.45	0.45	ENVOIS	Combination	Min	-2.43	0.00	0.00	PAR SUPERIOR	0.0162	-	-	150.06	o.k	0.29	o.k	0.16	o.k	-	-	o.k	0.01	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	0.85	0.43	ENVOIS	Combination	Min	-2.43	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	150.17	o.k	13.48	o.k	0.09	o.k	-	-	o.k	0.01	o.k
11	1.06	0.21	ENVOIS	Combination	Min	-2.43	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	150.23	o.k	24.55	o.k	0.21	o.k	-	-	o.k	0.01	o.k
11	1.06	0.00	ENVOIS	Combination	Min	-2.59	-0.03	-0.01	PAR SUPERIOR	0.0162	-	-	159.78	o.k	24.55	o.k	2.84	o.k	-	-	o.k	0.02	o.k
11	1.28	0.21	ENVOIS	Combination	Min	-2.59	-0.03	-0.10	PAR SUPERIOR	0.0162	-	-	159.84	o.k	205.31	o.k	2.72	o.k	-	-	o.k	0.08	o.k
11	1.48	0.20	ENVOIS	Combination	Min	-2.59	-0.03	-0.18	PAR SUPERIOR	0.0162	-	-	159.89	o.k	375.15	o.k	2.60	o.k	-	-	o.k	0.15	o.k
11	1.48	0.00	ENVOIS	Combination	Min	-3.12	-0.48	-0.18	PAR SUPERIOR	0.0162	-	-	192.82	o.k	375.15	o.k	44.09	o.k	-	-	o.k	0.15	o.k
11	1.70	0.22	ENVOIS	Combination	Min	-3.12	-0.47	-0.07	PAR SUPERIOR	0.0162	-	-	192.88	o.k	153.91	o.k	43.87	o.k	-	-	o.k	0.07	o.k
11	2.13	0.43	ENVOIS	Combination	Min	-3.13	-0.47	-0.01	PAR SUPERIOR	0.0162	-	-	192.99	o.k	16.73	o.k	43.46	o.k	-	-	o.k	0.02	o.k
11	2.13	0.00	ENVOIS	Combination	Min	-3.28	-0.09	-0.01	PAR SUPERIOR	0.0162	-	-	202.54	o.k	16.73	o.k	8.18	o.k	-	-	o.k	0.02	o.k
11	2.55	0.43	ENVOIS	Combination	Min	-3.28	-0.08	-0.01	PAR SUPERIOR	0.0162	-	-	202.65	o.k	18.00	o.k	7.76	o.k	-	-	o.k	0.02	o.k
11	2.98	0.43	ENVOIS	Combination	Min	-3.28	-0.08	-0.01	PAR SUPERIOR	0.0162	-	-	202.77	o.k	21.65	o.k	7.34	o.k	-	-	o.k	0.02	o.k
11	3.19	0.21	ENVOIS	Combination	Min	-3.29	-0.08	-0.01	PAR SUPERIOR	0.0162	-	-	202.83	o.k	24.34	o.k	7.14	o.k	-	-	o.k	0.02	o.k
11	3.19	0.00	ENVOIS	Combination	Min	-3.44	-0.03	-0.01	PAR SUPERIOR	0.0162	-	-	212.38	o.k	24.34	o.k	2.43	o.k	-	-	o.k	0.02	o.k
11	3.40	0.21	ENVOIS	Combination	Min	-3.44	-0.02	-0.01	PAR SUPERIOR	0.0162	-	-	212.43	o.k	13.15	o.k	2.31	o.k	-	-	o.k	0.02	o.k
11	3.85	0.43	ENVOIS	Combination	Min	-3.44	-0.02	0.00	PAR SUPERIOR	0.0162	-	-	212.54	o.k	7.45	o.k	2.06	o.k	-	-	o.k	0.01	o.k
11	4.25	0.00	ENVOIS	Combination	Min	-3.45	-0.02	-0.12	PAR SUPERIOR	0.0162	-	-	212.85	o.k	257.49	o.k	1.81	o.k	-	-	o.k	0.45	o.k

CUBIERTA MADERA - CRUJIA 6 - CERCHA TIPO 1

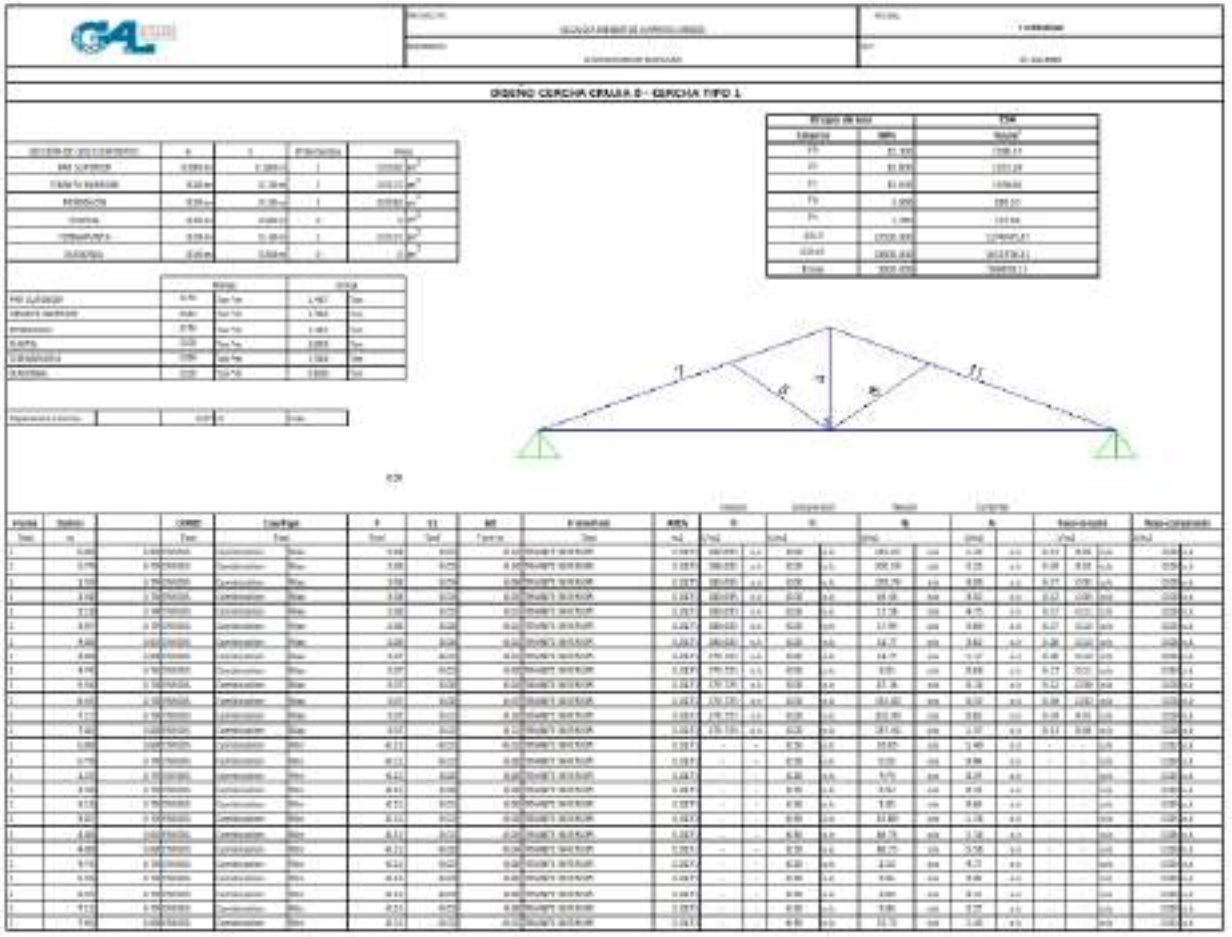
EVALUACION DE DEFORMACIONES



Luz Libre 7.94 m
Deformacion Admisible
2.65 cm CUMPLE
Deforamcion cercha
0.24 cm



Analisis Elmentos Grupo ES4



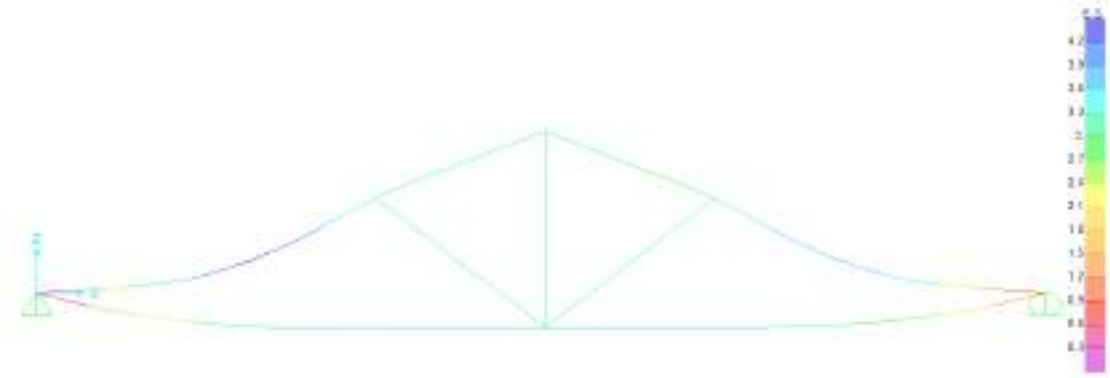
Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
4	0.00	0.00	ENVOLVENTE	Combination	Max	1.42	0.00	0.00	PENDOLON	0.0162	87.772	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	0.16	0.16	ENVOLVENTE	Combination	Max	1.42	0.00	0.00	PENDOLON	0.0162	87.889	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	0.32	0.16	ENVOLVENTE	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.000	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	0.48	0.16	ENVOLVENTE	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.111	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	0.64	0.16	ENVOLVENTE	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.222	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	0.80	0.16	ENVOLVENTE	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.333	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	0.96	0.16	ENVOLVENTE	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.444	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	1.12	0.16	ENVOLVENTE	Combination	Max	1.43	0.00	0.00	PENDOLON	0.0162	88.556	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	1.28	0.16	ENVOLVENTE	Combination	Max	1.44	0.00	0.00	PENDOLON	0.0162	88.673	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	1.44	0.16	ENVOLVENTE	Combination	Max	1.44	0.00	0.00	PENDOLON	0.0162	88.784	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	1.60	0.00	ENVOLVENTE	Combination	Max	1.44	0.00	0.00	PENDOLON	0.0162	88.895	o.k	0.00	o.k	0.00	-	0.00	o.k	0.08	-0.06	o.k	0.00	o.k
4	0.00	0.00	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	2.08	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.16	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	2.01	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.32	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.94	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.48	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.88	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.64	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.81	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.80	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.75	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	0.96	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.68	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.12	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.61	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.28	0.16	ENVOLVENTE	Combination	Min	-0.03	0.00	0.00	PENDOLON	0.0162	-	-	1.54	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.44	0.16	ENVOLVENTE	Combination	Min	-0.02	0.00	0.00	PENDOLON	0.0162	-	-	1.48	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
4	1.60	0.00	ENVOLVENTE	Combination	Min	-0.02	0.00	0.00	PENDOLON	0.0162	-	-	1.41	o.k	0.00	-	0.00	o.k	-	-	o.k	0.00	o.k
5	0.00	0.00	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.281	o.k	0.00	o.k	0.00	-	0.43	o.k	0.00	0.00	o.k	0.00	o.k
5	0.17	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.327	o.k	0.00	o.k	2.61	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
5	0.35	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.368	o.k	0.00	o.k	4.65	o.k	0.25	o.k	0.01	0.00	o.k	0.00	o.k
5	0.52	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.415	o.k	0.00	o.k	6.11	o.k	0.18	o.k	0.01	0.00	o.k	0.00	o.k
5	0.69	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.456	o.k	0.00	o.k	6.98	o.k	0.09	o.k	0.01	0.00	o.k	0.00	o.k
5	0.86	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.503	o.k	0.00	o.k	7.26	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
5	1.04	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.544	o.k	0.00	o.k	6.98	o.k	0.14	o.k	0.01	0.00	o.k	0.00	o.k
5	1.21	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.591	o.k	0.00	o.k	6.11	o.k	0.29	o.k	0.01	0.00	o.k	0.00	o.k
5	1.38	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.637	o.k	0.00	o.k	4.65	o.k	0.43	o.k	0.01	0.00	o.k	0.00	o.k
5	1.55	0.17	ENVOLVENTE	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.678	o.k	0.00	o.k	2.61	o.k	0.58	o.k	0.01	0.00	o.k	0.00	o.k
5	1.73	0.00	ENVOLVENTE	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.725	o.k	0.00	o.k	0.00	o.k	0.72	o.k	0.00	0.00	o.k	0.00	o.k
5	0.00	0.00	ENVOLVENTE	Combination	Min	-1.06	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.88	o.k	0.00	-	0.72	o.k	-	-	o.k	0.00	o.k
5	0.17	0.17	ENVOLVENTE	Combination	Min	-1.06	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.80	o.k	1.56	o.k	0.58	o.k	-	-	o.k	0.00	o.k
5	0.35	0.17	ENVOLVENTE	Combination	Min	-1.06	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.73	o.k	2.80	o.k	0.43	o.k	-	-	o.k	0.00	o.k
5	0.52	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.65	o.k	3.66	o.k	0.29	o.k	-	-	o.k	0.00	o.k
5	0.69	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.58	o.k	4.20	o.k	0.14	o.k	-	-	o.k	0.00	o.k
5	0.86	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.51	o.k	4.56	o.k	0.00	o.k	-	-	o.k	0.00	o.k
5	1.04	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.43	o.k	4.20	o.k	0.09	o.k	-	-	o.k	0.00	o.k
5	1.21	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.36	o.k	3.66	o.k	0.18	o.k	-	-	o.k	0.00	o.k
5	1.38	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.29	o.k	2.80	o.k	0.25	o.k	-	-	o.k	0.00	o.k
5	1.55	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.21	o.k	1.56	o.k	0.34	o.k	-	-	o.k	0.00	o.k
5	1.73	0.00	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.14	o.k	0.00	o.k	0.43	o.k	-	-	o.k	0.00	o.k
6	0.00	0.00	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.275	o.k	0.00	o.k	0.00	-	0.43	o.k	0.00	0.00	o.k	0.00	o.k
6	0.17	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.322	o.k	0.00	o.k	2.61	o.k	0.34	o.k	0.00	0.00	o.k	0.00	o.k
6	0.34	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.363	o.k	0.00	o.k	4.65	o.k	0.25	o.k	0.01	0.00	o.k	0.00	o.k
6	0.52	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.409	o.k	0.00	o.k	6.09	o.k	0.18	o.k	0.01	0.00	o.k	0.00	o.k
6	0.69	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.450	o.k	0.00	o.k	6.95	o.k	0.09	o.k	0.01	0.00	o.k	0.00	o.k
6	0.86	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.497	o.k	0.00	o.k	7.24	o.k	0.00	o.k	0.01	0.00	o.k	0.00	o.k
6	1.03	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.538	o.k	0.00	o.k	6.95	o.k	0.14	o.k	0.01	0.00	o.k	0.00	o.k
6	1.20	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.585	o.k	0.00	o.k	6.09	o.k	0.29	o.k	0.01	0.00	o.k	0.00	o.k
6	1.38	0.17	ENVOLVENTE	Combination	Max	0.06	0.00	0.00	TORNAPUNTA	0.0171	3.626	o.k	0.00	o.k	4.65	o.k	0.43	o.k	0.01	0.00	o.k	0.00	o.k
6	1.55	0.17	ENVOLVENTE	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.673	o.k	0.00	o.k	2.61	o.k	0.58	o.k	0.01	0.00	o.k	0.00	o.k
6	1.72	0.00	ENVOLVENTE	Combination	Max	0.06	0.01	0.00	TORNAPUNTA	0.0171	3.713	o.k	0.00	o.k	0.00	o.k	0.72	o.k	0.00	0.00	o.k	0.00	o.k
6	0.00	0.00	ENVOLVENTE	Combination	Min	-1.05	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.31	o.k	0.00	-	0.72	o.k	-	-	o.k	0.00	o.k
6	0.17	0.17	ENVOLVENTE	Combination	Min	-1.05	-0.01	0.00	TORNAPUNTA	0.0171	-	-	61.24	o.k	1.56	o.k	0.58	o.k	-	-	o.k	0.00	o.k
6	0.34	0.17	ENVOLVENTE	Combination	Min	-1.05	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.16	o.k	2.78	o.k	0.43	o.k	-	-	o.k	0.00	o.k
6	0.52	0.17	ENVOLVENTE	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.09	o.k	3.66	o.k	0.29	o.k	-	-	o.k	0.00	o.k
6	0.69	0.17	ENVOLVENTE	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	61.02	o.k	4.18	o.k	0.14	o.k	-	-	o.k	0.00	o.k
6	0.86	0.17	ENVOLVENTE	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.95	o.k	4.34	o.k	0.00	o.k	-	-	o.k	0.00	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
6	1.05	0.17	ENVOLS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.87	o.k	4.18	o.k	0.09	o.k	-	-	o.k	0.00	o.k
6	1.20	0.17	ENVOLS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.80	o.k	3.66	o.k	0.18	o.k	-	-	o.k	0.00	o.k
6	1.58	0.17	ENVOLS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.73	o.k	2.78	o.k	0.25	o.k	-	-	o.k	0.00	o.k
6	1.55	0.17	ENVOLS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.65	o.k	1.56	o.k	0.34	o.k	-	-	o.k	0.00	o.k
6	1.72	0.00	ENVOLS	Combination	Min	-1.04	0.00	0.00	TORNAPUNTA	0.0171	-	-	60.58	o.k	0.00	o.k	0.43	o.k	-	-	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Max	0.12	0.02	0.01	PAR SUPERIOR	0.0162	7.648	o.k	0.00	o.k	26.65	o.k	1.83	o.k	0.02	0.01	o.k	0.00	o.k
7	0.45	0.45	ENVOLS	Combination	Max	0.13	0.02	0.02	PAR SUPERIOR	0.0162	7.716	o.k	0.00	o.k	36.93	o.k	2.08	o.k	0.03	0.02	o.k	0.00	o.k
7	0.86	0.45	ENVOLS	Combination	Max	0.13	0.03	0.15	PAR SUPERIOR	0.0162	7.778	o.k	0.00	o.k	313.74	o.k	2.33	o.k	0.21	0.20	o.k	0.00	o.k
7	1.08	0.22	ENVOLS	Combination	Max	0.13	0.03	0.22	PAR SUPERIOR	0.0162	7.815	o.k	0.00	o.k	450.62	o.k	2.46	o.k	0.30	0.28	o.k	0.00	o.k
7	1.08	0.00	ENVOLS	Combination	Max	0.11	0.07	0.22	PAR SUPERIOR	0.0162	6.994	o.k	0.00	o.k	450.62	o.k	6.87	o.k	0.30	0.28	o.k	0.00	o.k
7	1.29	0.22	ENVOLS	Combination	Max	0.11	0.08	0.20	PAR SUPERIOR	0.0162	7.051	o.k	0.00	o.k	417.24	o.k	7.07	o.k	0.27	0.26	o.k	0.00	o.k
7	1.72	0.45	ENVOLS	Combination	Max	0.12	0.08	0.17	PAR SUPERIOR	0.0162	7.099	o.k	0.00	o.k	347.49	o.k	7.50	o.k	0.23	0.22	o.k	0.00	o.k
7	2.15	0.45	ENVOLS	Combination	Max	0.12	0.09	0.13	PAR SUPERIOR	0.0162	7.167	o.k	0.00	o.k	275.70	o.k	7.92	o.k	0.18	0.17	o.k	0.00	o.k
7	2.15	0.00	ENVOLS	Combination	Max	0.10	0.47	0.13	PAR SUPERIOR	0.0162	6.346	o.k	0.00	o.k	275.70	o.k	43.28	o.k	0.18	0.17	o.k	0.00	o.k
7	2.58	0.45	ENVOLS	Combination	Max	0.10	0.47	0.00	PAR SUPERIOR	0.0162	6.414	o.k	0.00	o.k	10.27	o.k	43.69	o.k	0.01	0.00	o.k	0.00	o.k
7	2.85	0.25	ENVOLS	Combination	Max	0.10	0.47	0.01	PAR SUPERIOR	0.0162	6.451	o.k	0.00	o.k	25.35	o.k	43.94	o.k	0.02	0.01	o.k	0.00	o.k
7	2.85	0.00	ENVOLS	Combination	Max	0.08	0.05	0.01	PAR SUPERIOR	0.0162	4.710	o.k	0.00	o.k	25.35	o.k	2.66	o.k	0.02	0.01	o.k	0.00	o.k
7	3.02	0.18	ENVOLS	Combination	Max	0.08	0.05	0.01	PAR SUPERIOR	0.0162	4.741	o.k	0.00	o.k	14.42	o.k	2.76	o.k	0.01	0.01	o.k	0.00	o.k
7	3.25	0.22	ENVOLS	Combination	Max	0.08	0.05	0.00	PAR SUPERIOR	0.0162	4.772	o.k	0.00	o.k	0.91	o.k	2.89	o.k	0.00	0.00	o.k	0.00	o.k
7	3.25	0.00	ENVOLS	Combination	Max	0.06	0.00	0.00	PAR SUPERIOR	0.0162	3.957	o.k	0.00	o.k	0.91	o.k	0.18	o.k	0.00	0.00	o.k	0.00	o.k
7	3.45	0.22	ENVOLS	Combination	Max	0.06	0.00	0.00	PAR SUPERIOR	0.0162	3.988	o.k	0.00	o.k	1.46	o.k	0.05	o.k	0.00	0.00	o.k	0.00	o.k
7	3.88	0.45	ENVOLS	Combination	Max	0.07	0.00	0.00	PAR SUPERIOR	0.0162	4.056	o.k	0.00	o.k	0.74	o.k	0.20	o.k	0.00	0.00	o.k	0.00	o.k
7	4.51	0.00	ENVOLS	Combination	Max	0.07	0.00	0.01	PAR SUPERIOR	0.0162	4.123	o.k	0.00	o.k	21.03	o.k	0.45	o.k	0.02	0.01	o.k	0.00	o.k
7	0.00	0.00	ENVOLS	Combination	Min	-5.44	-0.52	-0.12	PAR SUPERIOR	0.0162	-	-	212.56	o.k	245.87	o.k	29.55	o.k	-	-	o.k	0.18	o.k
7	0.43	0.43	ENVOLS	Combination	Min	-5.44	-0.51	0.00	PAR SUPERIOR	0.0162	-	-	212.44	o.k	7.82	o.k	29.12	o.k	-	-	o.k	0.03	o.k
7	0.86	0.45	ENVOLS	Combination	Min	-5.44	-0.51	-0.01	PAR SUPERIOR	0.0162	-	-	212.33	o.k	15.21	o.k	28.70	o.k	-	-	o.k	0.03	o.k
7	1.08	0.22	ENVOLS	Combination	Min	-5.44	-0.51	-0.01	PAR SUPERIOR	0.0162	-	-	212.27	o.k	24.69	o.k	28.49	o.k	-	-	o.k	0.04	o.k
7	1.08	0.00	ENVOLS	Combination	Min	-5.29	-0.01	-0.01	PAR SUPERIOR	0.0162	-	-	202.85	o.k	24.69	o.k	0.61	o.k	-	-	o.k	0.04	o.k
7	1.29	0.22	ENVOLS	Combination	Min	-5.29	-0.01	-0.01	PAR SUPERIOR	0.0162	-	-	202.79	o.k	22.08	o.k	0.48	o.k	-	-	o.k	0.04	o.k
7	1.72	0.43	ENVOLS	Combination	Min	-5.28	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	202.68	o.k	18.68	o.k	0.23	o.k	-	-	o.k	0.03	o.k
7	2.15	0.45	ENVOLS	Combination	Min	-5.28	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	202.56	o.k	17.67	o.k	0.02	o.k	-	-	o.k	0.03	o.k
7	2.15	0.00	ENVOLS	Combination	Min	-5.15	-0.05	-0.01	PAR SUPERIOR	0.0162	-	-	193.14	o.k	17.67	o.k	3.05	o.k	-	-	o.k	0.03	o.k
7	2.58	0.45	ENVOLS	Combination	Min	-5.15	-0.05	-0.07	PAR SUPERIOR	0.0162	-	-	193.02	o.k	142.61	o.k	2.80	o.k	-	-	o.k	0.11	o.k
7	2.85	0.25	ENVOLS	Combination	Min	-5.15	-0.05	-0.19	PAR SUPERIOR	0.0162	-	-	192.96	o.k	385.47	o.k	2.65	o.k	-	-	o.k	0.27	o.k
7	2.85	0.00	ENVOLS	Combination	Min	-2.59	-0.42	-0.19	PAR SUPERIOR	0.0162	-	-	159.64	o.k	385.47	o.k	38.97	o.k	-	-	o.k	0.26	o.k
7	3.02	0.18	ENVOLS	Combination	Min	-2.59	-0.42	-0.11	PAR SUPERIOR	0.0162	-	-	159.60	o.k	228.74	o.k	38.80	o.k	-	-	o.k	0.16	o.k
7	3.23	0.22	ENVOLS	Combination	Min	-2.58	-0.42	-0.02	PAR SUPERIOR	0.0162	-	-	159.54	o.k	43.56	o.k	38.58	o.k	-	-	o.k	0.04	o.k
7	3.25	0.00	ENVOLS	Combination	Min	-2.45	-0.05	-0.02	PAR SUPERIOR	0.0162	-	-	150.11	o.k	43.56	o.k	3.22	o.k	-	-	o.k	0.04	o.k
7	3.45	0.22	ENVOLS	Combination	Min	-2.45	-0.05	-0.01	PAR SUPERIOR	0.0162	-	-	150.06	o.k	28.64	o.k	3.01	o.k	-	-	o.k	0.03	o.k
7	3.88	0.43	ENVOLS	Combination	Min	-2.43	-0.05	0.00	PAR SUPERIOR	0.0162	-	-	149.94	o.k	1.79	o.k	2.59	o.k	-	-	o.k	0.01	o.k
7	4.51	0.00	ENVOLS	Combination	Min	-2.45	-0.02	0.00	PAR SUPERIOR	0.0162	-	-	149.83	o.k	2.37	o.k	2.18	o.k	-	-	o.k	0.02	o.k
11	0.00	0.00	ENVOLS	Combination	Max	0.07	0.02	0.01	PAR SUPERIOR	0.0162	4.123	o.k	0.00	o.k	21.03	o.k	1.42	o.k	0.02	0.01	o.k	0.00	o.k
11	0.45	0.45	ENVOLS	Combination	Max	0.07	0.02	0.00	PAR SUPERIOR	0.0162	4.056	o.k	0.00	o.k	5.72	o.k	1.82	o.k	0.01	0.00	o.k	0.00	o.k
11	0.85	0.45	ENVOLS	Combination	Max	0.06	0.02	0.00	PAR SUPERIOR	0.0162	3.988	o.k	0.00	o.k	0.60	o.k	2.24	o.k	0.00	0.00	o.k	0.00	o.k
11	1.06	0.21	ENVOLS	Combination	Max	0.06	0.05	0.00	PAR SUPERIOR	0.0162	3.951	o.k	0.00	o.k	0.14	o.k	2.44	o.k	0.00	0.00	o.k	0.00	o.k
11	1.06	0.00	ENVOLS	Combination	Max	0.08	0.41	0.00	PAR SUPERIOR	0.0162	4.784	o.k	0.00	o.k	0.14	o.k	37.75	o.k	0.00	0.00	o.k	0.00	o.k
11	1.28	0.21	ENVOLS	Combination	Max	0.08	0.41	0.01	PAR SUPERIOR	0.0162	4.747	o.k	0.00	o.k	15.00	o.k	37.94	o.k	0.01	0.01	o.k	0.00	o.k
11	1.48	0.20	ENVOLS	Combination	Max	0.08	0.41	0.01	PAR SUPERIOR	0.0162	4.716	o.k	0.00	o.k	24.90	o.k	38.13	o.k	0.02	0.01	o.k	0.00	o.k
11	1.48	0.00	ENVOLS	Combination	Max	0.10	0.05	0.01	PAR SUPERIOR	0.0162	6.444	o.k	0.00	o.k	24.90	o.k	2.69	o.k	0.02	0.01	o.k	0.00	o.k
11	1.70	0.22	ENVOLS	Combination	Max	0.10	0.05	0.01	PAR SUPERIOR	0.0162	6.414	o.k	0.00	o.k	11.13	o.k	2.82	o.k	0.01	0.00	o.k	0.00	o.k
11	2.15	0.45	ENVOLS	Combination	Max	0.10	0.05	0.15	PAR SUPERIOR	0.0162	6.346	o.k	0.00	o.k	258.74	o.k	3.07	o.k	0.17	0.16	o.k	0.00	o.k
11	2.13	0.00	ENVOLS	Combination	Max	0.12	0.00	0.15	PAR SUPERIOR	0.0162	7.173	o.k	0.00	o.k	258.74	o.k	0.01	o.k	0.17	0.16	o.k	0.00	o.k
11	2.55	0.45	ENVOLS	Combination	Max	0.12	0.00	0.16	PAR SUPERIOR	0.0162	7.105	o.k	0.00	o.k	354.05	o.k	0.26	o.k	0.22	0.21	o.k	0.00	o.k
11	2.98	0.45	ENVOLS	Combination	Max	0.11	0.01	0.20	PAR SUPERIOR	0.0162	7.057	o.k	0.00	o.k	405.41	o.k	0.51	o.k	0.27	0.26	o.k	0.00	o.k
11	3.19	0.21	ENVOLS	Combination	Max	0.11	0.01	0.21	PAR SUPERIOR	0.0162	7.006	o.k	0.00	o.k	439.65	o.k	0.63	o.k	0.29	0.28	o.k	0.00	o.k
11	3.19	0.00	ENVOLS	Combination	Max	0.15	0.50	0.21	PAR SUPERIOR	0.0162	7.835	o.k	0.00	o.k	439.65	o.k	28.15	o.k	0.29	0.28	o.k	0.00	o.k
11	3.40	0.21	ENVOLS	Combination	Max	0.15	0.51	0.15	PAR SUPERIOR	0.0162	7.802	o.k	0.00	o.k	306.17	o.k	28.35	o.k	0.20	0.19	o.k	0.00	o.k
11	3.83	0.45	ENVOLS	Combination	Max	0.15	0.51	0.02	PAR SUPERIOR	0.0162	7.735	o.k	0.00	o.k	36.30	o.k	28.77	o.k	0.03	0.02	o.k	0.00	o.k
11	4.25	0.00	ENVOLS	Combination	Max	0.12	0.52	0.01	PAR SUPERIOR	0.0162	7.667	o.k	0.00	o.k	25.72	o.k	29.18	o.k	0.02	0.01	o.k	0.00	o.k
11	0.00	0.00	ENVOLS	Combination	Min	-2.45	0.00	0.00	PAR SUPERIOR	0.0162	-	-	149.95	o.k	2.37	o.k	0.41	o.k	-	-	o.k	0.01	o.k
11	0.45	0.45	ENVOLS	Combination	Min	-2.45	0.00	0.00	PAR SUPERIOR	0.0162	-	-	150.06	o.k	0.29	o.k	0.16	o.k	-	-	o.k	0.01	o.k

Frame	Station		COMB	CaseType		P	V2	M3	FrameElem	AREA	ft		fc		fb		fv		flexo-tensión			flexo-compresión	
11	0.85	0.45	ENVOLS	Combination	Min	-2.43	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	150.17	o.k	13.48	o.k	0.09	o.k	-	-	o.k	0.02	o.k
11	1.06	0.21	ENVOLS	Combination	Min	-2.43	0.00	-0.01	PAR SUPERIOR	0.0162	-	-	150.23	o.k	24.55	o.k	0.21	o.k	-	-	o.k	0.03	o.k
11	1.06	0.00	ENVOLS	Combination	Min	-2.59	-0.03	-0.01	PAR SUPERIOR	0.0162	-	-	159.78	o.k	24.55	o.k	2.84	o.k	-	-	o.k	0.03	o.k
11	1.28	0.21	ENVOLS	Combination	Min	-2.59	-0.03	-0.10	PAR SUPERIOR	0.0162	-	-	159.84	o.k	205.31	o.k	2.72	o.k	-	-	o.k	0.14	o.k
11	1.48	0.20	ENVOLS	Combination	Min	-2.59	-0.03	-0.18	PAR SUPERIOR	0.0162	-	-	159.89	o.k	375.15	o.k	2.60	o.k	-	-	o.k	0.25	o.k
11	1.48	0.00	ENVOLS	Combination	Min	-3.12	-0.48	-0.18	PAR SUPERIOR	0.0162	-	-	192.82	o.k	375.15	o.k	44.09	o.k	-	-	o.k	0.26	o.k
11	1.70	0.22	ENVOLS	Combination	Min	-3.12	-0.47	-0.07	PAR SUPERIOR	0.0162	-	-	192.88	o.k	153.91	o.k	43.87	o.k	-	-	o.k	0.12	o.k
11	2.13	0.45	ENVOLS	Combination	Min	-3.13	-0.47	-0.01	PAR SUPERIOR	0.0162	-	-	192.99	o.k	16.73	o.k	43.46	o.k	-	-	o.k	0.03	o.k
11	2.13	0.00	ENVOLS	Combination	Min	-3.28	-0.09	-0.01	PAR SUPERIOR	0.0162	-	-	202.54	o.k	16.73	o.k	8.18	o.k	-	-	o.k	0.03	o.k
11	2.55	0.45	ENVOLS	Combination	Min	-3.28	-0.08	-0.01	PAR SUPERIOR	0.0162	-	-	202.65	o.k	18.00	o.k	7.76	o.k	-	-	o.k	0.03	o.k
11	2.98	0.43	ENVOLS	Combination	Min	-3.28	-0.08	-0.01	PAR SUPERIOR	0.0162	-	-	202.77	o.k	21.65	o.k	7.34	o.k	-	-	o.k	0.04	o.k
11	3.19	0.21	ENVOLS	Combination	Min	-3.29	-0.08	-0.01	PAR SUPERIOR	0.0162	-	-	202.83	o.k	24.34	o.k	7.14	o.k	-	-	o.k	0.04	o.k
11	3.19	0.00	ENVOLS	Combination	Min	-3.44	-0.03	-0.01	PAR SUPERIOR	0.0162	-	-	212.38	o.k	24.34	o.k	2.43	o.k	-	-	o.k	0.04	o.k
11	3.40	0.21	ENVOLS	Combination	Min	-3.44	-0.02	-0.01	PAR SUPERIOR	0.0162	-	-	212.43	o.k	13.15	o.k	2.31	o.k	-	-	o.k	0.03	o.k
11	3.85	0.45	ENVOLS	Combination	Min	-3.44	-0.02	0.00	PAR SUPERIOR	0.0162	-	-	212.54	o.k	7.45	o.k	2.06	o.k	-	-	o.k	0.03	o.k
11	4.25	0.00	ENVOLS	Combination	Min	-3.45	-0.02	-0.12	PAR SUPERIOR	0.0162	-	-	212.65	o.k	257.49	o.k	1.81	o.k	-	-	o.k	-1.12	o.k

CUBIERTA MADERA - CRUJIA 6 - CERCHA TIPO 1

EVALUACION DE DEFORMACIONES



Luz Libre 7.94 m
Deformacion Admisible
2.65 cm CUMPLE
Deforamcion cercha
0.31 cm



DISEÑO DE CORREAS EN MADERA CERCHA TIPO 1- CRUJIA 6

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

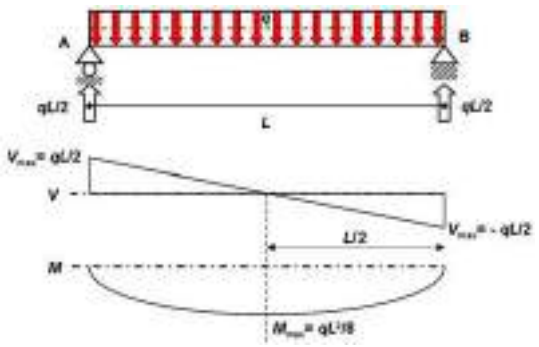
MADERA: **GRUPO:** **ES4**

ρ= 700 Kg/m³
E= 101972.0 Kg/cm²

σ_{ADM}=	156.0 Kg/cm²	**L=** 2.07 m	L Afe= 1.06 m
τ_{ADM}=	13.8 Kg/cm²	**b=** 8.00 cm	**PP=** 4.48 Kg/m
δ_{ADM}=	0.7 cm	**h=** 8.00 cm	**I=** 341.33 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV ó G= 53.00 Kg/m
CM= 105.18 Kg/m
W= 77.66 Kg/m



q_U =	**203.17 Kg/m**
$V_{MÀX}$=	**210.28 Kg**
$M_{MÀX}$=	**108.82 Kg*m**

III. *FLEXIÓN.*

M Nominal $F'_b \frac{bd^2}{6}$

M Nominal **133.13 Kg*m** Cumple Mn> Mu

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *4.93 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *1.40 cm* > δ Admisible, No Cumple

δ Admisible L/300= 0.7 cm

NOTA:

4.11.12 Verificación elementos de entrepiso.

SISTEMA DE ENTREPISO EN MADERA

EVALUACION DE CARGAS

Carga Muerta Adicional (CM)

Bloque de mandera -12 mm	80.00	Kg/m²	NSR-10
Madera Densa	20.00	Kg/m²	
otros	10.00	Kg/m²	
	110.00	Kg/m²	

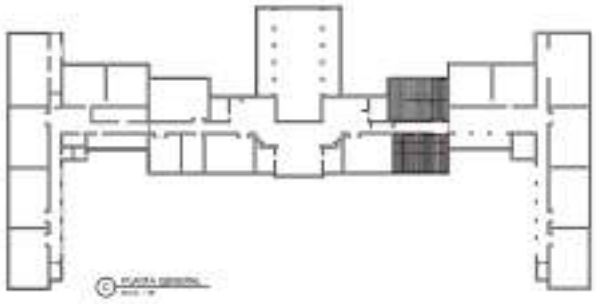
Carga Viva (CV)

Uso tipico de Oficnias	200	Kg/m²	NSR-10

Carga Viva (CV)

Uso de Corredores de circulacion y escaleras	500	Kg/m²	NSR-10

Distribucion de elementos



Seccion	5	x	20	cm
Separacion	42 cm			
Luz de apoyo	6.48 m			
Luz de Apoyo corredor	2.00 m			

CARGAS SOBRE CORREAS

TIPO	LONG. AFERENTE (m)	CM (Kg/m)	CV (Kg/m) OFICINAS	CV (Kg/m) CORREDOR
VIGA	0.42	46.20	84.00	**210.00**

ANALISIS ESTRUCTURA

COMBINACIONES DE CARGAS

1 .	1.00 CM								C.M.	=	Carga Muerta
2 .	1.00 CM	+	1.00 CV						C.V.	=	Carga Viva
3 .	1.00 CM					+	1.00 G		W	=	Carga de viento
4 .	1.00 CM	+	0.75 CV						G	=	Carga Granizo
5 .	1.00 CM					+	0.75 G				
6 .	1.00 CM			+	1.00 W						
7 .	1.00 CM			-	1.00 W						
8 .	1.00 CM	+	0.75 CV	+	0.75 W						
9 .	1.00 CM	+	0.75 CV	-	0.75 W						
10 .	1.00 CM			+	0.75 W	+	0.75 G				
11 .	1.00 CM			-	0.75 W	+	0.75 G				
12 .	0.60 CM			+	1.00 W						
13 .	0.60 CM			-	1.00 W						

DISEÑO DE VIGA ENTREPISO EN MADERA - ZONA OFICINA

I. *MADERA: GEOMETRÍA Y PROPIEDADES.*

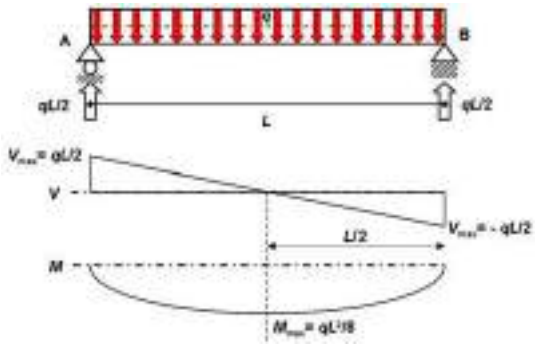
MADERA: **GRUPO:** **ES3**

ρ= 700 Kg/m³
E= 112169.2 Kg/cm²

σ_{ADM}=	211.1 Kg/cm²	**L=** 6.48 m	L Afe= 0.42 m
τ_{ADM}=	14.7 Kg/cm²	**b=** 5.00 cm	**PP=** 7.00 Kg/m
δ_{ADM}=	2.2 cm	**h=** 20.00 cm	**I=** 3333.33 cm⁴

II. *DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,*

CV= 84.00 Kg/m
CM= 53.20 Kg/m



q_U =	**137.20 Kg/m**
$V_{MÀX}$=	**444.53 Kg**
$M_{MÀX}$=	**720.14 Kg*m**

III. *FLEXIÓN.*

M Nominal $F'_b \frac{bd^2}{6}$

M Nominal **703.60 Kg*m** No Cumple Indice de Sobre esfuerzo = 1.02

IV. *CORTE.*

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *6.67 Kg/cm²* < τ Admisible, Cumple

V. *DEFORMACIÓN.*

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *8.42 cm* > δ Admisible, No Cumple

δ Admisible L/300= 2.2 cm

NOTA:

DISEÑO DE VIGA ENTREPISO EN MADERA - ZONA CORREDOR

I. ***MADERA: GEOMETRÍA Y PROPIEDADES.***

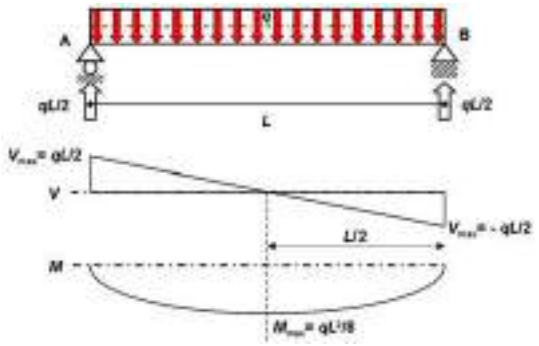
MADERA: **GRUPO:** **ES3**

ρ= 700 Kg/m³
E= 112169.2 Kg/cm²

σ_{ADM}=	211.1 Kg/cm²	**L=** 2.00 m	L Afe= 0.42 m
τ_{ADM}=	14.7 Kg/cm²	**b=** 5.00 cm	**PP=** 7.00 Kg/m
δ_{ADM}=	0.7 cm	**h=** 20.00 cm	**I=** 3333.33 cm⁴

II. ***DETERMINACIÒN DE LAS CARGAS PARA DISEÑO,***

CV= 210.00 Kg/m
CM= 53.20 Kg/m



q_U =	**263.20 Kg/m**
$V_{MÀX}$=	**263.20 Kg**
$M_{MÀX}$=	**131.60 Kg*m**

III. ***FLEXIÓN.***

M Nominal $F'_b \frac{bd^2}{6}$

M Nominal **703.60 Kg*m** Cumple Mn> Mu

IV. ***CORTE.***

$$\tau = \frac{3*V_{MÁX}}{2*b*h}$$

τ= *3.95 Kg/cm²* < τ Admisible, Cumple

V. ***DEFORMACIÓN.***

$$\delta = \frac{5*W_U*L^4}{384*E*I}$$

δ= *0.15 cm* < δ Admisible, Cumple

NOTA:

4.11.13 Verificación elementos de Cimentacion

VERIFIACION DE ESFUERZOS CAGAS GRAVITACIONALES							
Elemento	Longitud	Espesor Muro	Area	Carga Act	Esfuerzo Act	Esfuerzo Adm	Verificacion
Pier	m	m	m^2	Ton	ton/m^2	ton/m^2	
G1P1	14.41	0.37	5.33	75.01	14.07	6.00	No Cumple
G1P2	0.85	0.37	0.31	2.69	8.54	6.00	No Cumple
G1P3	1.41	0.37	0.52	8.64	16.55	6.00	No Cumple
G1P4	1.81	0.37	0.67	11.23	16.77	6.00	No Cumple
G1P5	0.85	0.37	0.31	2.84	9.02	6.00	No Cumple
G1P6	1.09	0.37	0.40	5.36	13.30	6.00	No Cumple
G1P7	4.39	0.37	1.62	25.22	15.53	6.00	No Cumple
G1P8	4.56	0.37	1.69	25.75	15.26	6.00	No Cumple
G1P9	2.25	0.37	0.83	10.64	12.79	6.00	No Cumple
G1P10	1.00	0.37	0.37	5.25	14.20	6.00	No Cumple
G1P11	1.10	0.37	0.41	8.57	21.11	6.00	No Cumple
G1P12	1.40	0.37	0.52	10.60	20.46	6.00	No Cumple
G1P13	1.40	0.37	0.52	10.60	20.46	6.00	No Cumple
G1P14	6.57	0.37	2.43	39.91	16.42	6.00	No Cumple
G1P15	0.85	0.37	0.31	4.27	13.58	6.00	No Cumple
G2P1	8.84	0.37	3.27	20.43	6.25	6.00	No Cumple
G2P2	1.80	0.37	0.67	5.18	7.78	6.00	No Cumple
G2P3	3.50	0.37	1.30	9.47	7.31	6.00	No Cumple
G2P4	1.70	0.37	0.63	4.56	7.25	6.00	No Cumple
G2P5	9.51	0.37	3.52	29.97	8.52	6.00	No Cumple
G2P6	12.67	0.37	4.69	34.69	7.40	6.00	No Cumple
G2P7	1.96	0.37	0.73	5.61	7.74	6.00	No Cumple
G2P8	1.00	0.37	0.37	2.42	6.53	6.00	No Cumple
G2P9	1.00	0.37	0.37	2.29	6.20	6.00	No Cumple
G2P10	5.77	0.37	2.13	16.42	7.69	6.00	No Cumple
G2P11	4.22	0.37	1.56	11.17	7.15	6.00	No Cumple
G2P12	8.40	0.37	3.11	20.94	6.74	6.00	No Cumple
G2P13	5.22	0.37	1.93	13.32	6.90	6.00	No Cumple
G2P14	2.65	0.37	0.98	5.98	6.10	6.00	No Cumple
G2P15	2.30	0.37	0.85	8.54	10.04	6.00	No Cumple
G1P16	0.85	0.37	0.31	4.23	13.45	6.00	No Cumple
G1P17	5.92	0.37	2.19	38.21	17.44	6.00	No Cumple
G1P18	5.06	0.37	1.87	30.33	16.20	6.00	No Cumple
G1P19	1.15	0.37	0.43	6.61	15.54	6.00	No Cumple
G1P20	3.75	0.37	1.39	21.95	15.81	6.00	No Cumple
G1P21	3.90	0.37	1.44	23.01	15.97	6.00	No Cumple
G1P22	1.05	0.37	0.39	6.16	15.86	6.00	No Cumple
G1P23	6.42	0.37	2.38	40.02	16.85	6.00	No Cumple
G1P24	2.20	0.37	0.81	14.03	17.23	6.00	No Cumple
G1P25	2.90	0.37	1.07	17.97	16.75	6.00	No Cumple
G1P26	0.80	0.37	0.30	7.40	25.01	6.00	No Cumple
G1P27	2.35	0.37	0.87	14.61	16.80	6.00	No Cumple

VERIFIACION DE ESFUERZOS CAGAS GRAVITACIONALES							
Elemento	Longitud	Espesor Muro	Area	Carga Act	Esfuerzo Act	Esfuerzo Adm	Verificacion
Pier	m	m	m^2	Ton	ton/m^2	ton/m^2	
G1P28	2.35	0.37	0.87	14.60	16.79	6.00	No Cumple
G1P29	0.90	0.37	0.33	8.24	24.74	6.00	No Cumple
G1P30	3.00	0.37	1.11	18.57	16.73	6.00	No Cumple
G1P31	2.20	0.37	0.81	13.53	16.62	6.00	No Cumple
G1P32	8.93	0.37	3.30	42.64	12.91	6.00	No Cumple
G1P33	6.26	0.37	2.32	33.17	14.32	6.00	No Cumple
G1P34	6.26	0.37	2.32	35.06	15.14	6.00	No Cumple
G1P35	6.70	0.37	2.48	37.73	15.22	6.00	No Cumple
G1P36	2.50	0.37	0.93	12.45	13.45	6.00	No Cumple
G1P37	1.04	0.37	0.38	5.16	13.41	6.00	No Cumple
G1P38	1.55	0.37	0.57	10.40	18.14	6.00	No Cumple
G1P39	1.55	0.37	0.57	10.24	17.85	6.00	No Cumple
G1P40	1.59	0.37	0.59	10.37	17.63	6.00	No Cumple
G1P41	1.59	0.37	0.59	10.42	17.71	6.00	No Cumple
G1P42	1.36	0.37	0.50	6.91	13.74	6.00	No Cumple
G1P43	6.26	0.37	2.32	34.24	14.78	6.00	No Cumple
G1P44	3.61	0.37	1.34	24.33	18.22	6.00	No Cumple
G1P45	1.20	0.37	0.44	7.20	16.22	6.00	No Cumple
G1P46	2.14	0.37	0.79	12.27	15.50	6.00	No Cumple
G1P47	3.61	0.37	1.34	24.25	18.15	6.00	No Cumple
G1P48	1.20	0.37	0.44	7.20	16.22	6.00	No Cumple
G1P49	2.14	0.37	0.79	12.37	15.62	6.00	No Cumple
G1P50	1.04	0.37	0.38	5.13	13.34	6.00	No Cumple
G1P51	1.55	0.37	0.57	10.63	18.53	6.00	No Cumple
G1P52	1.55	0.37	0.57	10.46	18.23	6.00	No Cumple
G1P53	1.59	0.37	0.59	10.59	18.00	6.00	No Cumple
G1P54	1.59	0.37	0.59	10.64	18.08	6.00	No Cumple
G1P55	1.36	0.37	0.50	6.77	13.45	6.00	No Cumple
G1P56	6.26	0.37	2.32	34.10	14.72	6.00	No Cumple
G1P57	2.61	0.37	0.97	12.70	13.16	6.00	No Cumple
G1P58	6.70	0.37	2.48	37.44	15.10	6.00	No Cumple
G1P59	6.26	0.37	2.32	35.82	15.46	6.00	No Cumple
G1P60	8.93	0.37	3.30	41.70	12.62	6.00	No Cumple
G1P61	6.26	0.37	2.32	33.12	14.30	6.00	No Cumple
G2P16	4.35	0.37	1.61	12.28	7.63	6.00	No Cumple
G2P17	1.55	0.37	0.57	7.68	13.39	6.00	No Cumple
G2P18	0.90	0.37	0.33	3.05	9.16	6.00	No Cumple
G2P19	13.86	0.37	5.13	37.03	7.22	6.00	No Cumple
G2P20	0.81	0.37	0.30	4.11	13.70	6.00	No Cumple
G1P62	5.28	0.37	1.95	32.78	16.78	6.00	No Cumple
G1P63	2.11	0.37	0.78	12.45	15.97	6.00	No Cumple
G1P64	2.29	0.37	0.85	14.17	16.72	6.00	No Cumple
G1P65	5.25	0.37	1.94	31.71	16.33	6.00	No Cumple

VERIFIACION DE ESFUERZOS CARGAS GRAVITACIONALES MAS SISMO							
Elemento	Longitud	Espesor Muro	Area	Carga act	Esfuerzo Act	Esfuerzo Adm	Verificacion
Pier	m	m	m2	Ton	ton/m2	ton/m2	
G1P1	14.41	0.37	5.33	93.44	17.52	12.00	No Cumple
G1P2	0.85	0.37	0.31	6.75	21.45	12.00	No Cumple
G1P3	1.41	0.37	0.52	24.21	46.40	12.00	No Cumple
G1P4	1.81	0.37	0.67	27.75	41.44	12.00	No Cumple
G1P5	0.85	0.37	0.31	7.00	22.26	12.00	No Cumple
G1P6	1.09	0.37	0.40	12.50	30.98	12.00	No Cumple
G1P7	4.39	0.37	1.62	46.04	28.34	12.00	No Cumple
G1P8	4.56	0.37	1.69	47.16	27.95	12.00	No Cumple
G1P9	2.25	0.37	0.83	21.01	25.23	12.00	No Cumple
G1P10	1.00	0.37	0.37	16.96	45.83	12.00	No Cumple
G1P11	1.10	0.37	0.41	9.91	24.42	12.00	No Cumple
G1P12	1.40	0.37	0.52	24.99	48.23	12.00	No Cumple
G1P13	1.40	0.37	0.52	24.75	47.78	12.00	No Cumple
G1P14	6.57	0.37	2.43	47.84	19.68	12.00	No Cumple
G1P15	0.85	0.37	0.31	14.28	45.42	12.00	No Cumple
G2P1	8.84	0.37	3.27	44.83	13.71	12.00	No Cumple
G2P2	1.80	0.37	0.67	15.15	22.74	12.00	No Cumple
G2P3	3.50	0.37	1.30	19.16	14.80	12.00	No Cumple
G2P4	1.70	0.37	0.63	12.37	19.67	12.00	No Cumple
G2P5	9.51	0.37	3.52	48.98	13.92	12.00	No Cumple
G2P6	12.67	0.37	4.69	53.65	11.45	12.00	Cumple
G2P7	1.96	0.37	0.73	6.65	9.17	12.00	Cumple
G2P8	1.00	0.37	0.37	9.11	24.62	12.00	No Cumple
G2P9	1.00	0.37	0.37	6.57	17.76	12.00	No Cumple
G2P10	5.77	0.37	2.13	27.33	12.80	12.00	No Cumple
G2P11	4.22	0.37	1.56	19.50	12.49	12.00	No Cumple
G2P12	8.40	0.37	3.11	31.15	10.02	12.00	Cumple
G2P13	5.22	0.37	1.93	19.68	10.19	12.00	Cumple
G2P14	2.65	0.37	0.98	14.15	14.44	12.00	No Cumple
G2P15	2.30	0.37	0.85	10.97	12.89	12.00	No Cumple
G1P16	0.85	0.37	0.31	14.83	47.14	12.00	No Cumple
G1P17	5.92	0.37	2.19	45.19	20.63	12.00	No Cumple
G1P18	5.06	0.37	1.87	56.04	29.93	12.00	No Cumple
G1P19	1.15	0.37	0.43	18.09	42.51	12.00	No Cumple
G1P20	3.75	0.37	1.39	37.08	26.71	12.00	No Cumple
G1P21	3.90	0.37	1.44	39.80	27.61	12.00	No Cumple
G1P22	1.05	0.37	0.39	16.73	43.05	12.00	No Cumple
G1P23	6.42	0.37	2.38	47.03	19.80	12.00	No Cumple
G1P24	2.20	0.37	0.81	32.13	39.47	12.00	No Cumple
G1P25	2.90	0.37	1.07	40.21	37.47	12.00	No Cumple
G1P26	0.80	0.37	0.30	8.47	28.62	12.00	No Cumple
G1P27	2.35	0.37	0.87	25.00	28.75	12.00	No Cumple

VERIFIACION DE ESFUERZOS CARGAS GRAVITACIONALES MAS SISMO							
Elemento	Longitud	Espesor Muro	Area	Carga act	Esfuerzo Act	Esfuerzo Adm	Verificacion
Pier	m	m	m2	Ton	ton/m2	ton/m2	
G1P28	2.35	0.37	0.87	24.80	28.52	12.00	No Cumple
G1P29	0.90	0.37	0.33	9.43	28.31	12.00	No Cumple
G1P30	3.00	0.37	1.11	37.76	34.02	12.00	No Cumple
G1P31	2.20	0.37	0.81	30.49	37.45	12.00	No Cumple
G1P32	8.93	0.37	3.30	59.16	17.91	12.00	No Cumple
G1P33	6.26	0.37	2.32	51.19	22.10	12.00	No Cumple
G1P34	6.26	0.37	2.32	68.98	29.78	12.00	No Cumple
G1P35	6.70	0.37	2.48	48.96	19.75	12.00	No Cumple
G1P36	2.50	0.37	0.93	20.87	22.56	12.00	No Cumple
G1P37	1.04	0.37	0.38	18.38	47.77	12.00	No Cumple
G1P38	1.55	0.37	0.57	12.03	20.97	12.00	No Cumple
G1P39	1.55	0.37	0.57	11.85	20.66	12.00	No Cumple
G1P40	1.59	0.37	0.59	12.02	20.42	12.00	No Cumple
G1P41	1.59	0.37	0.59	12.07	20.51	12.00	No Cumple
G1P42	1.36	0.37	0.50	15.91	31.62	12.00	No Cumple
G1P43	6.26	0.37	2.32	53.80	23.23	12.00	No Cumple
G1P44	3.61	0.37	1.34	37.06	27.75	12.00	No Cumple
G1P45	1.20	0.37	0.44	18.96	42.70	12.00	No Cumple
G1P46	2.14	0.37	0.79	22.75	28.73	12.00	No Cumple
G1P47	3.61	0.37	1.34	36.92	27.64	12.00	No Cumple
G1P48	1.20	0.37	0.44	18.93	42.64	12.00	No Cumple
G1P49	2.14	0.37	0.79	22.67	28.63	12.00	No Cumple
G1P50	1.04	0.37	0.38	18.56	48.24	12.00	No Cumple
G1P51	1.55	0.37	0.57	12.26	21.38	12.00	No Cumple
G1P52	1.55	0.37	0.57	12.08	21.06	12.00	No Cumple
G1P53	1.59	0.37	0.59	12.24	20.81	12.00	No Cumple
G1P54	1.59	0.37	0.59	12.29	20.90	12.00	No Cumple
G1P55	1.36	0.37	0.50	15.73	31.25	12.00	No Cumple
G1P56	6.26	0.37	2.32	54.95	23.72	12.00	No Cumple
G1P57	2.61	0.37	0.97	23.41	24.24	12.00	No Cumple
G1P58	6.70	0.37	2.48	57.86	23.34	12.00	No Cumple
G1P59	6.26	0.37	2.32	70.37	30.38	12.00	No Cumple
G1P60	8.93	0.37	3.30	59.86	18.12	12.00	No Cumple
G1P61	6.26	0.37	2.32	53.52	23.11	12.00	No Cumple
G2P16	4.35	0.37	1.61	24.21	15.04	12.00	No Cumple
G2P17	1.55	0.37	0.57	9.35	16.30	12.00	No Cumple
G2P18	0.90	0.37	0.33	4.01	12.05	12.00	No Cumple
G2P19	13.86	0.37	5.13	65.96	12.86	12.00	No Cumple
G2P20	0.81	0.37	0.30	4.79	15.98	12.00	No Cumple
G1P62	5.28	0.37	1.95	39.10	20.01	12.00	No Cumple
G1P63	2.11	0.37	0.78	33.09	42.45	12.00	No Cumple
G1P64	2.29	0.37	0.85	16.52	19.49	12.00	No Cumple
G1P65	5.25	0.37	1.94	54.83	28.23	12.00	No Cumple

5 ALCALDIA LOCAL BARRIOS UNIDOS – ZONA APORTICADA

5.1 ANALISIS SISMICO

5.1.1 Definición de Movimiento Sísmico de Diseño

DEFINICION DE MOVIMIENTO SISMICO DEL DISEÑO

a.- Ubicación del proyecto: Calle 74A N° 63-04

b.- Zona de amenaza sísmica: Intermedia

c.- Valor de Aa A_a = 0.15

d.- Valor de Av A_v = 0.20

e.- Zona de Respuesta Sísmica (Microzonificación): Lacustre 300

f.- Tipo de pérfil de suelo:

		Fa	Fv
	A		
	B		
	C		
	D		
	E		
X	F	1.05	2.90

g.- Grupo de uso III

h.- Coeficiente de importancia: I 1.25

i.- Coeficiente de amortig. crítico C.C.A: 5%

j.- Espectro de diseño: Elástico

Observaciones:
Según numeral A.6.2.1.2, el coeficiente de importancia a utilizar para el cálculo del desplazamiento horizontal I= 1 y para el diseño III= 1.25

Revisó:_____
Ejecutó:_____

5.1.2 Características de los Materiales y de la Estructura

CARACTERISTICAS DE LOS MATERIALES Y DE LA ESTRUCTURA			
a.-	Sistema estructural:	Pórticos Resistentes a Momento	
b.-	Material	Concreto	
c.-	Capacidad de disipación de energía	DMO	
d.-	Coeficiente de capacidad básica de modificación de respuesta	Ro =	5.0
	Coeficiente de Sobre resistencia	Ω_0=	3.0
e-	Número de edificaciones	1	
f-	Número de pisos	1	PISO Y CUBIERTA

Observaciones:	Revisó:_____ Ejecutó:_____

5.1.3 Irregularidad de la Edificación

IRREGULARIDAD DE LA EDIFICACION

a.- EDIFICACIÓN: 1 PISO

b- CONFIGURACION EN PLANTA

TIPO	DESCRIPCION	∅p
1aP	Irregularidad torsional	1.0
1bP	Irregularidad torsional extrema	1.0
2P	Retrocesos en esquinas	1.0
3P	Discontinuidades en el diafragma	1.0
4P	Desplaz. de elementos verticales	1.0
5P	Sistemas no paralelos	1.0

Φp= 1.0

c.- CONFIGURACION EN ALTURA

TIPO	DESCRIPCION	∅a
1aA	Piso flexible (irregularidad en rigidez)	1.0
1bA	Piso flexible (irregularidad extrema en rigidez)	1.0
2A	Distribución masa	1.0
3A	Irregularidad geométrica	1.0
4A	Desplaz. dentro del plano de acción	1.0
5aA	Piso débil- discontinuidad en la resistencia	1.0
5bA	Piso débil- discontinuidad extrema resistencia	1.0

Φa= 1.0

d.- AUSENCIA DE REDUNDANCIA ∅RX 1.00

∅Ry 1.00

e.- COEFICIENTE BASICO DE CAPACIDAD DE DISIPACION DE ENERGIA

Ro= 5.0

f.- COEFICIENTE DE CAPACIDAD DE MODIFICACION DE RESPUESTA

R= (∅a) x (∅p) x(∅r)x Ro

RX= 5.00

RY= 5.00

g.- EFECTOS ORTOGONALES EN CARGAS SISMICAS

Se deben tener en cuenta: (100 % - 30%) x, (30% - 100 %) y

h.- MEZCLA DE SISTEMAS ESTRUCTURALES

No existe, ni en planta ni en altura.

Observaciones:

Revisó:_____

Ejecutó:_____

5.1.4 Característica del Diseño

CARACTERISTICAS DEL DISEÑO	
a.- METODO DE ANALISIS SISMICO UTILIZADO Analisis dinámico elástico espectral b- METODO DE ANALISIS ESTRUCTURAL Análisis matricial: Estructura principal c- METODO DE DISEÑO Esfuerzo último	
Observaciones:	Revisó:_____ Ejecutó:_____

5.1.5 Espectro Sísmico

ESPECTRO SISMICO

MODELO NSR-10

a. - PERIODO DE LA ESTRUCTURA

Ta=	$Ct \times h^{\alpha}$						
Ct=	0.047	Pórticos Resistentes a Momento					
α =	0.90						
hn=	3.80 m						
Ta=	0.16	cu=	1.20	Tdinmax	0.19	Tdin:	0.17

b . - PARÁMETROS

Aa=	0.15	Av=	0.20
Fa=	1.05	Fv=	2.90
I =	1.00		
Idis=	1.25		

c. - LIMITES DEL PERIODO

To=	(0.1*Av*Fv)/(Aa*Fa)	=	0.37
Tc=	(0.48*Av*Fv)/(Aa*Fa)	=	1.77
TL=	TL (Tabla 3., Decreto 523 de 201(	=	5.00

d. - ESPECTRO PARA PERIODOS MENORES A Tc.

Sa 1 = 2.5 * Aa * Fa*I=	Sa1= 0.39

e. - ESPECTRO DE ACELERACIONES EN FUNCION DE T

$Sa\ 2= \frac{1.2 * Av * Fv * I}{T}$	Sa 2= 0.70 /T = 4.14

f. - ESPECTRO PARA PERIODOS MAYORES A T_l.

$Sa\ 3= \frac{1.2 * Av * Fv * T_l * I}{T^2}$	Sa 3= 3.48 $/T^2$ = 123.30

g. - ESPECTRO SISMICO DE DISEÑO

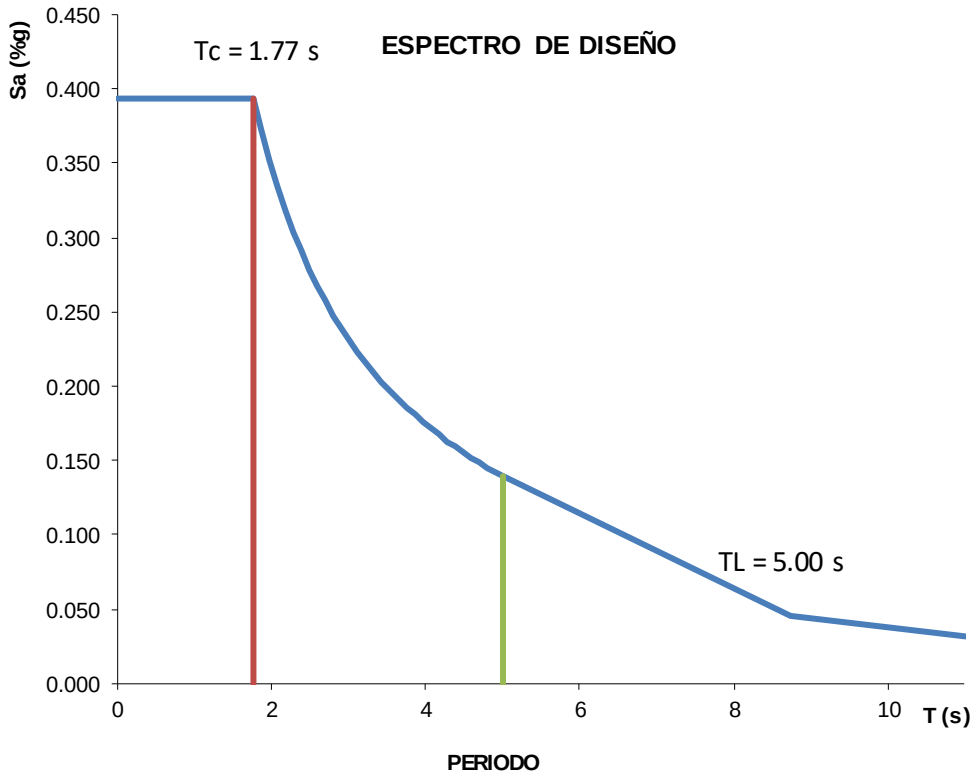
Sa = 0.39 39% (g)	

Para el diseño el espéctro sísmico según NSR-10, entonces Sa=0.39 = 39.375%(g)

Observaciones:	Revisó:_____ Ejecutó:_____

ESPECTRO SISMICO DE DISEÑO

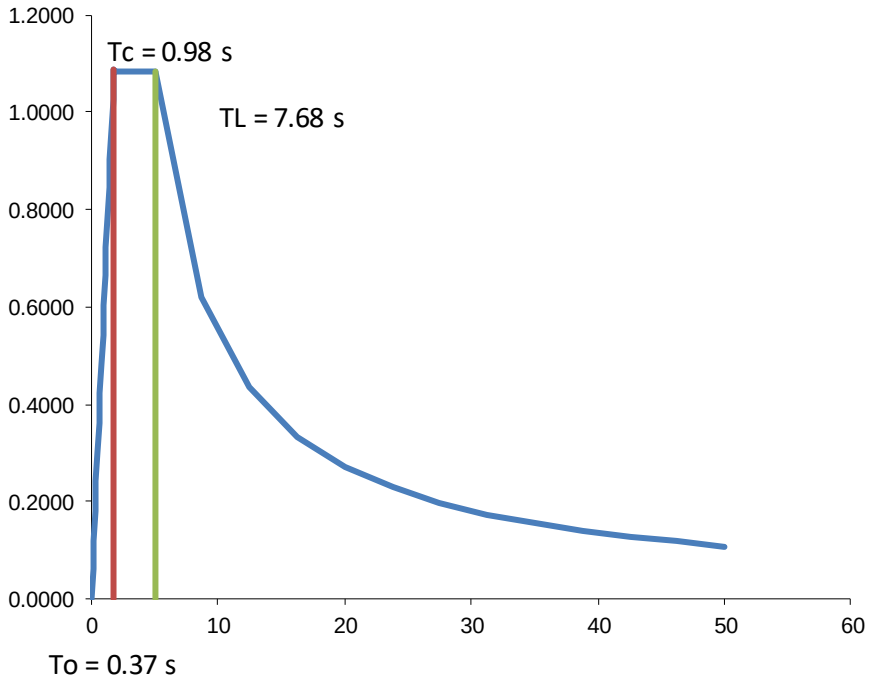
CURVAS DE ESPECTROS DE ACUERDO A LA NSR-10



Observaciones:	Revisó:_____ Ejecutó:_____

ESPECTRO ELASTICO DE VELOCIDADES (m/s) DE DISEÑO

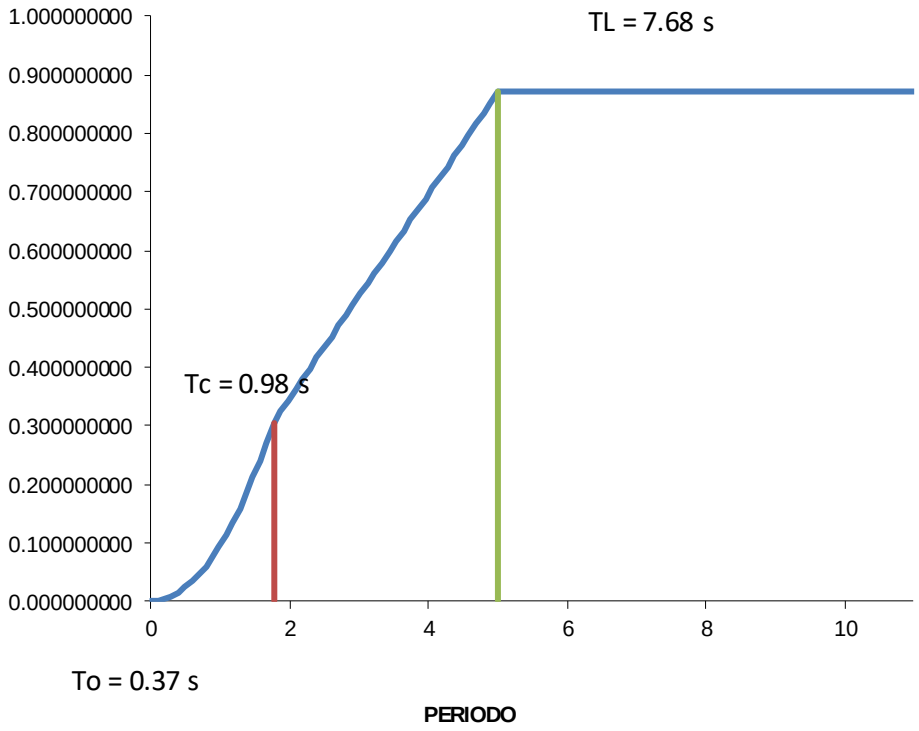
i.



Observaciones:	Revisó:_____ Ejecutó:_____

ESPECTRO ELASTICO DE DESPLAZAMIENTOS (m) DE DISEÑO

j.



Observaciones:	Revisó:_____ Ejecutó:_____

5.2 PESO DE LA ESTRUCTURA

PESO DE LA EDIFICACION

VOLUMES DE VIGAS Y COLUMNAS

PISO 1 NE+0.00 Area placa = 168.26 m²

Columnas y pantallas

ITEM	b (m)	h (m)	H (m)	Cant	V (m3)	Peso (t)
C2020	0.20	0.20	3.80	4	0.61	1.46
C2040	0.20	0.40	3.80	6	1.82	4.38
C2080	0.20000	0.80000	3.80	6	3.65	8.76
Total				16	6.08	14.59

CUBIERTA NE+3.80 Area placa = 168.26 m²

Vigas Entrepiso

ITEM	b (m)	h (m)	L (m)	V (m3)	Peso (t)
V2035	0.20	0.35	51.78	3.62	8.70
V2030	0.20	0.30	24.36	1.46	3.51
Total				5.09	12.21

CALCULO DE DENSIDADES			*PISO 1*		NE+0.00	
Area de placa			168.26	m^2		
MUROS						
	Esp.(m)	Long. (m)	Area (m2)	Carga (kgf/m^3)	h (m)	Peso (t)
MUROS NO ESTRUC.						
MUROS FACHADA						
MUROS FACHADA						
					Total	0.00

MUROS NO ESTRUC.	0.000	t/m^2
MUROS CONTENCIÓN	0.000	t/m^2
DENSIDAD DE VIGAS	0.000	t/m^2
DENSIDAD DE COLUMNAS Y PANTALLAS	0.043	t/m^2
DENSIDAD DE VIGUETAS	0.000	t/m^2

CALCULO DE DENSIDADES CUBIERTA N +3.80

Area de placa 168.26 m^2

MUROS

	Esp.(m)	Long. (m)	Area (m2)	Carga (kgf/m)	h (m)	Peso (t)

MUROS 0.000 t/m^2

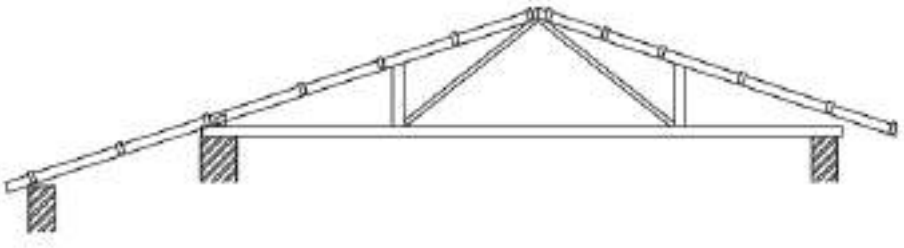
MUROS CONTENCION 0.000 t/m2

DENSIDAD DE VIGAS 0.073 t/m^2

DENSIDAD DE COLUMNAS Y PANTALLAS 0.043 t/m^2

DENSIDAD DE VIGUETAS 0.000 t/m^2

AVALUO DE CARGAS CUBIERTA N +3.80



	t/m^2
Carga propia cerchas	0.018
Teja de barro	0.080
Cielo raso en acero	0.010
	0.108

MUROS	0.000	t/m^2
CARGA MUERTA	0.11	t/m^2
CARGA GRANIZO CUBIERTA	0.050	t/m^2
CARGA VIVA CUBIERTA	0.050	t/m^2
CARGA DE VIENTO	0.069	t/m^2

DENSIDADES

VIGAS	0.073	t/m^2
COLUMNAS	0.043	t/m^2
VIGUETAS	0.000	t/m^2

CARGA REAL	0.27	t/m^2
CARGA ULTIMA PARA VIGUETAS	0.21	t/m^2
CARGA PARA ANALISIS SISMICO	0.22	t/m^2

5.3 CENTRO DE MASA Y TORSION ACCIDENTAL

TORSION

CENTROS DE MASA Y TORSION ACCIDENTAL

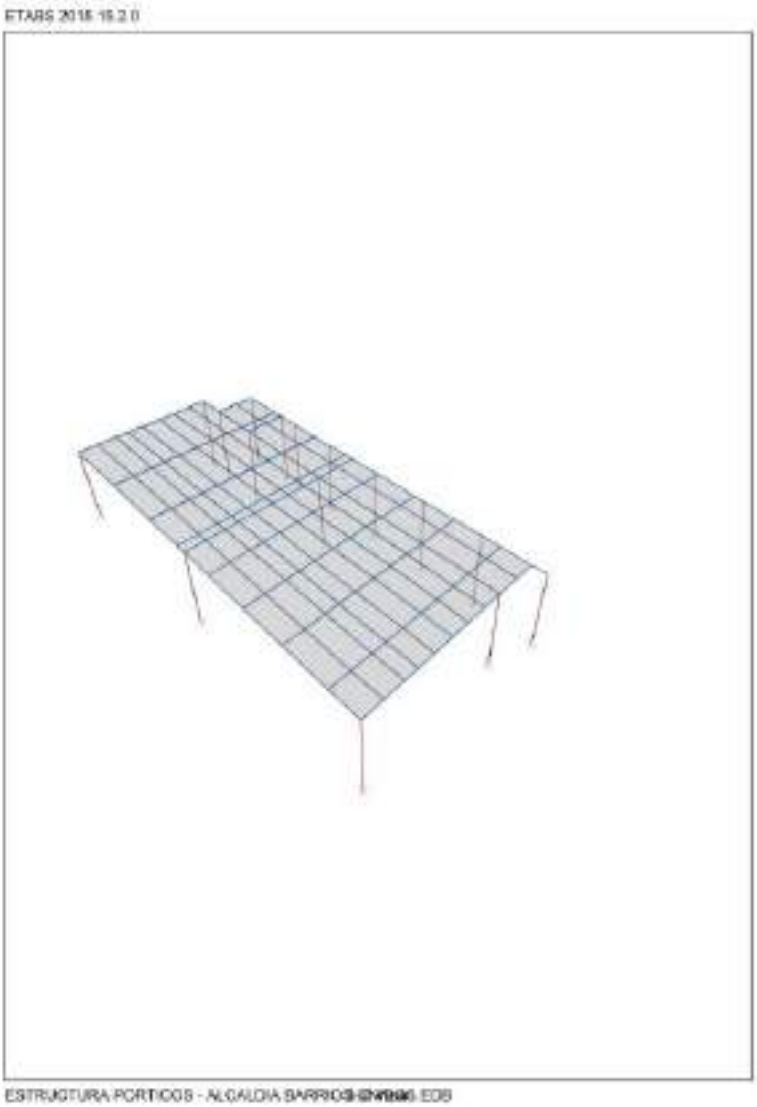
CENTROS DE MASA

	N +3.80	
CENTRO DE MASA:	**X = 4.95**	**Y = 9.90**

EXCENTRICIDADA ACCIDENTAL

Dimensiones	**Excentricidad**	**Excentricidad**
N +3.80		
X= 4.53m	ex = 0.23m	e= 0.49m
Y= 9.84m	ey = 0.49m	

5.4 ESTRUCTURACION

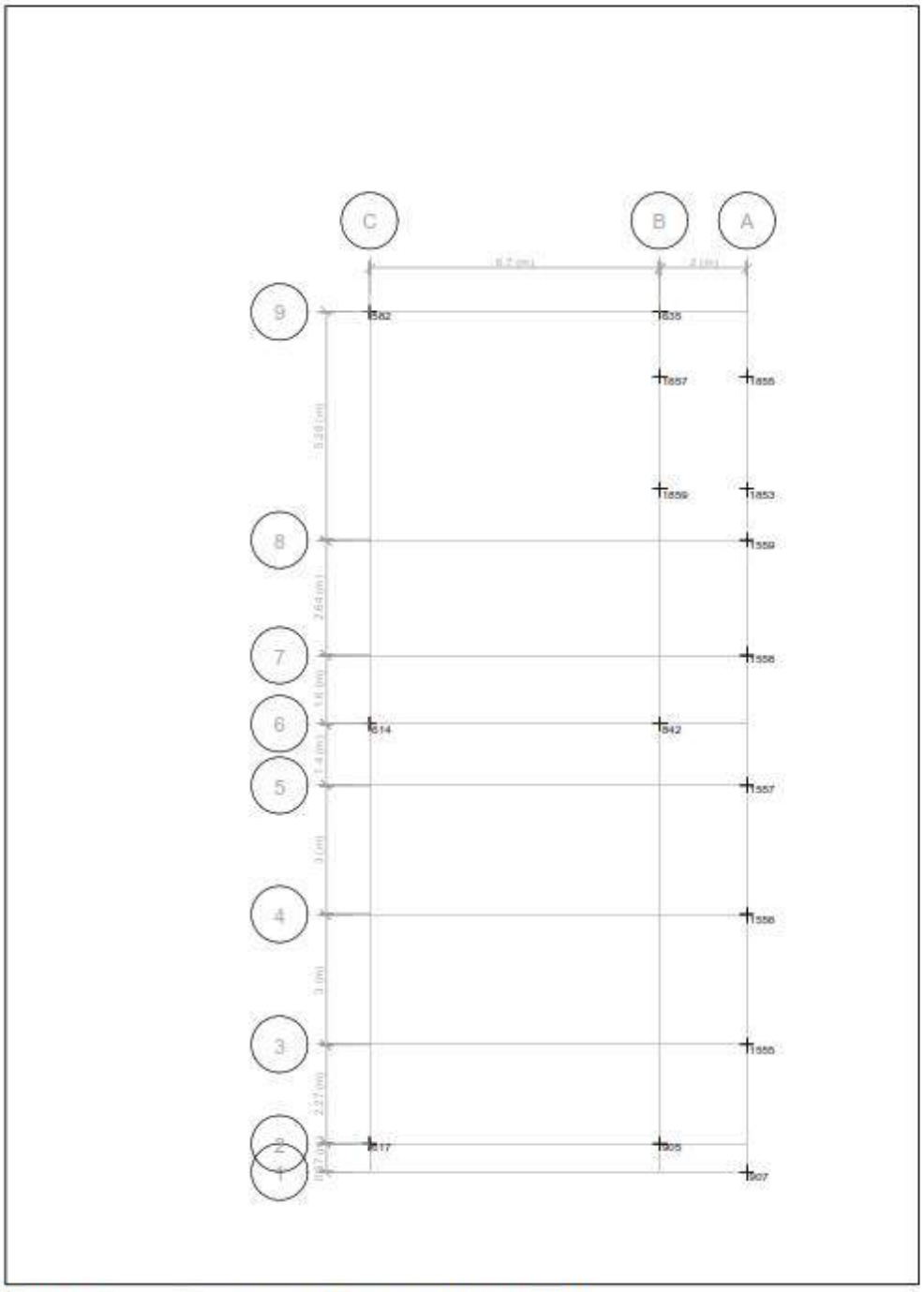


El modelo de la estructura fue hecho con el software ETABS 2015 En este programa se hizo una combinación de herramientas utilizando elementos tipo Frame para la simulación de las vigas, columnas, y elementos tipo Shell para las placas y muros.

Los apoyos de las columnas y muros son apoyos Empotrados.

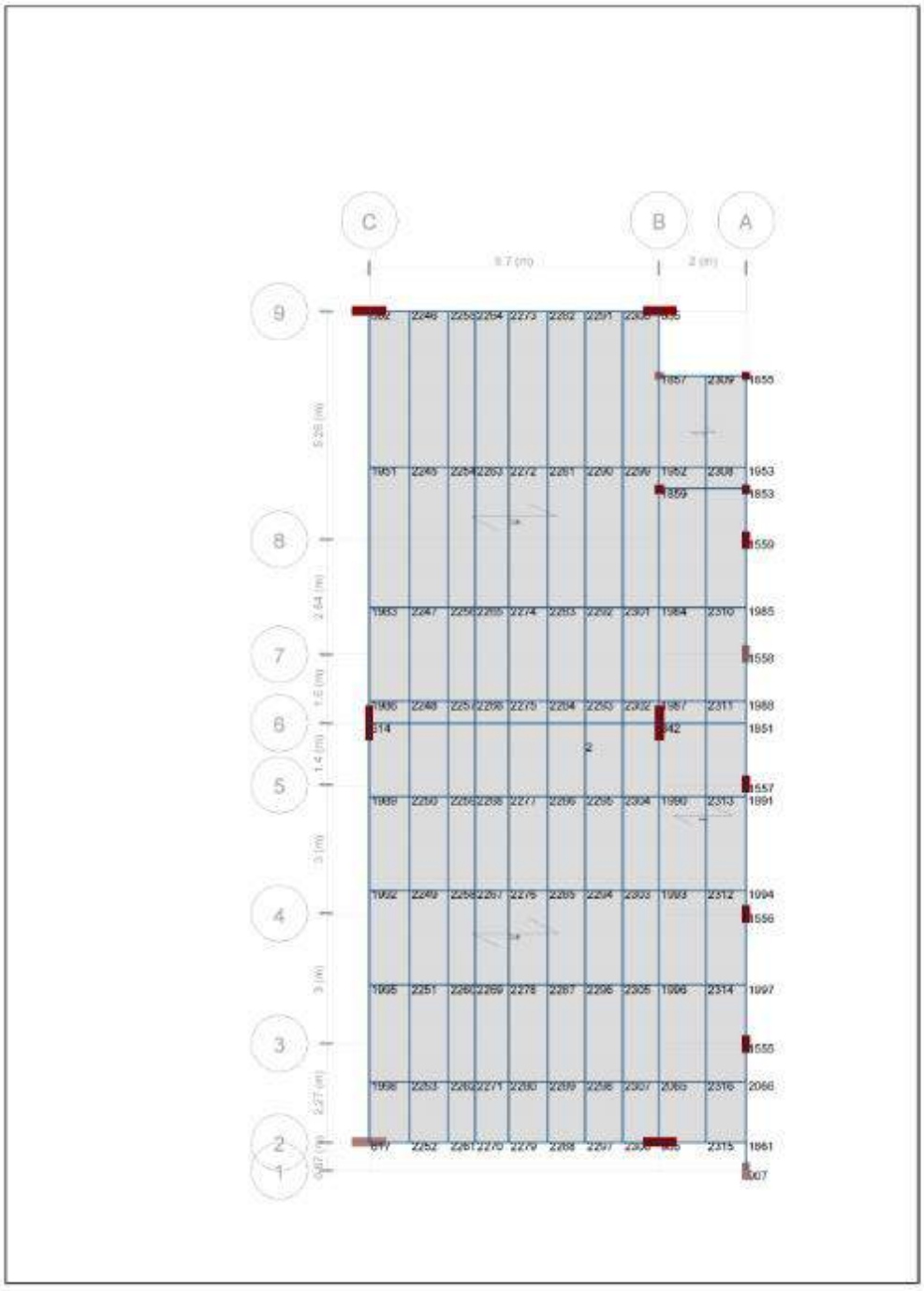
El sistema de cargas de la estructura es estático para cargas muertas y vivas, y dinámico para las fuerzas horizontales.

ETABS 2015 15.2.0



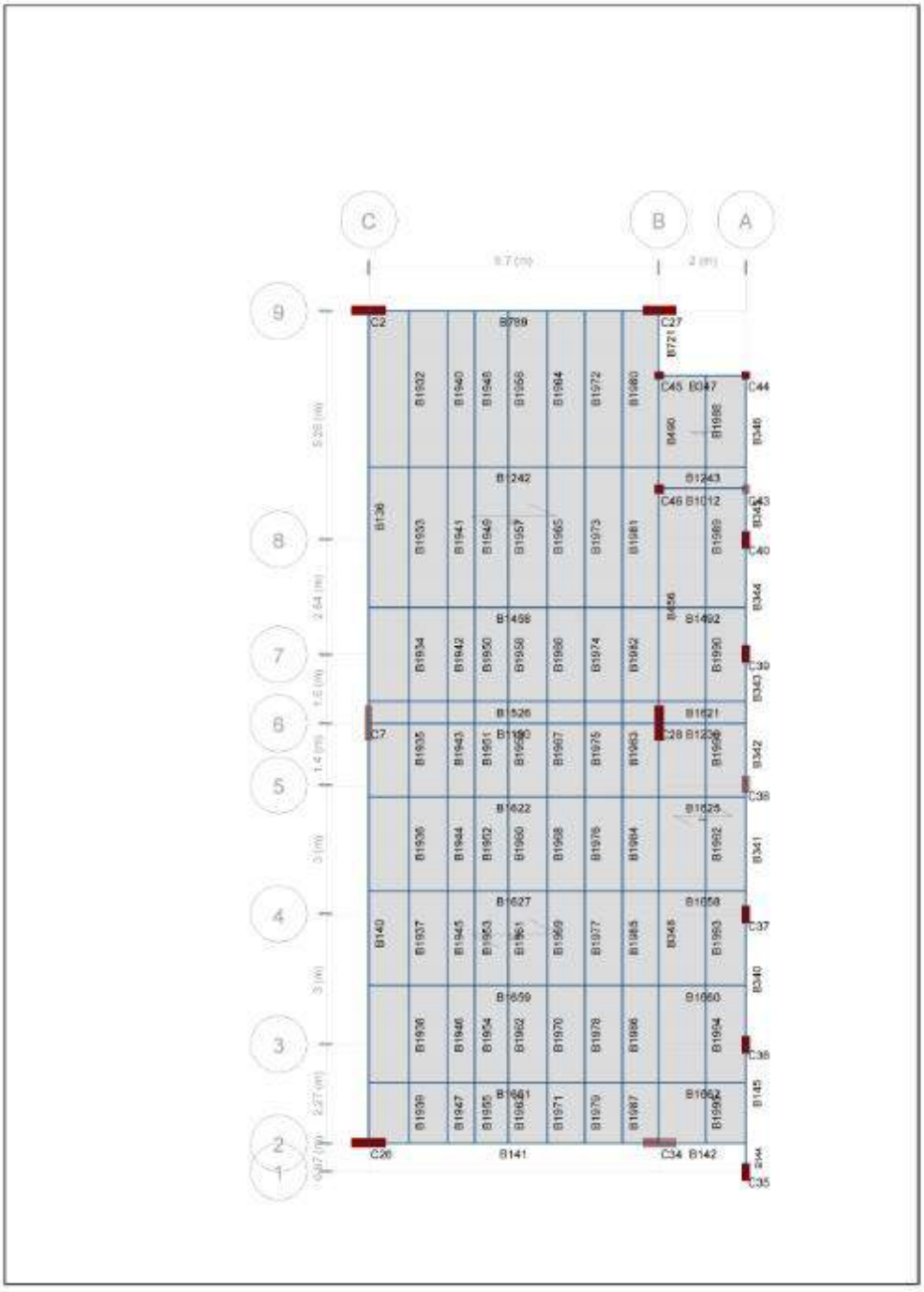
ESTRUCTURA PORTICOS - ALCALDIA BARRIOS UNIDOS (m)

ETABS 2015 15.2.0



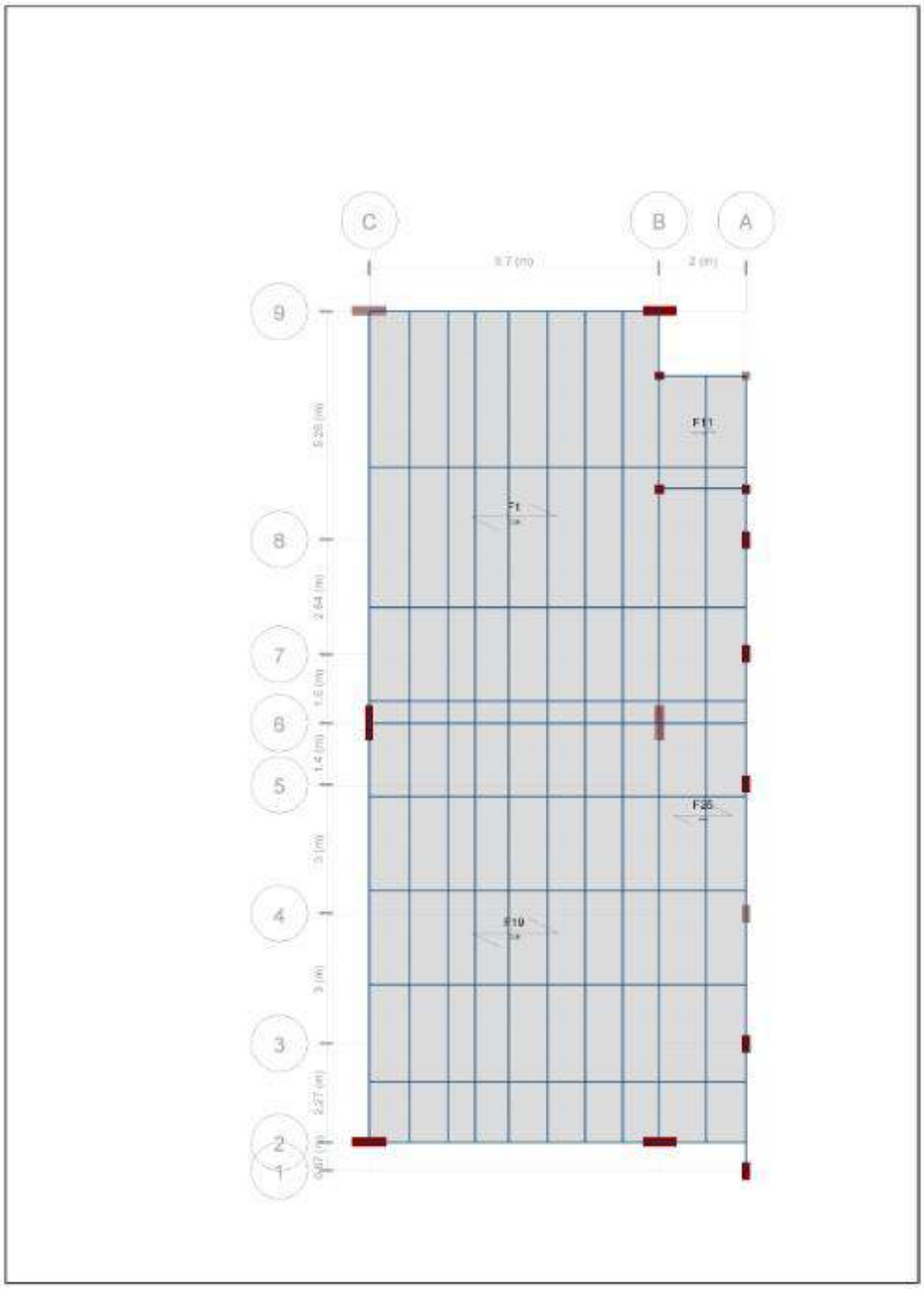
ESTRUCTURA PORTICOS - ALCALDIA BARRIO JUNEROS EDS 3.8 (m)

ETABS 2015 15.2.0



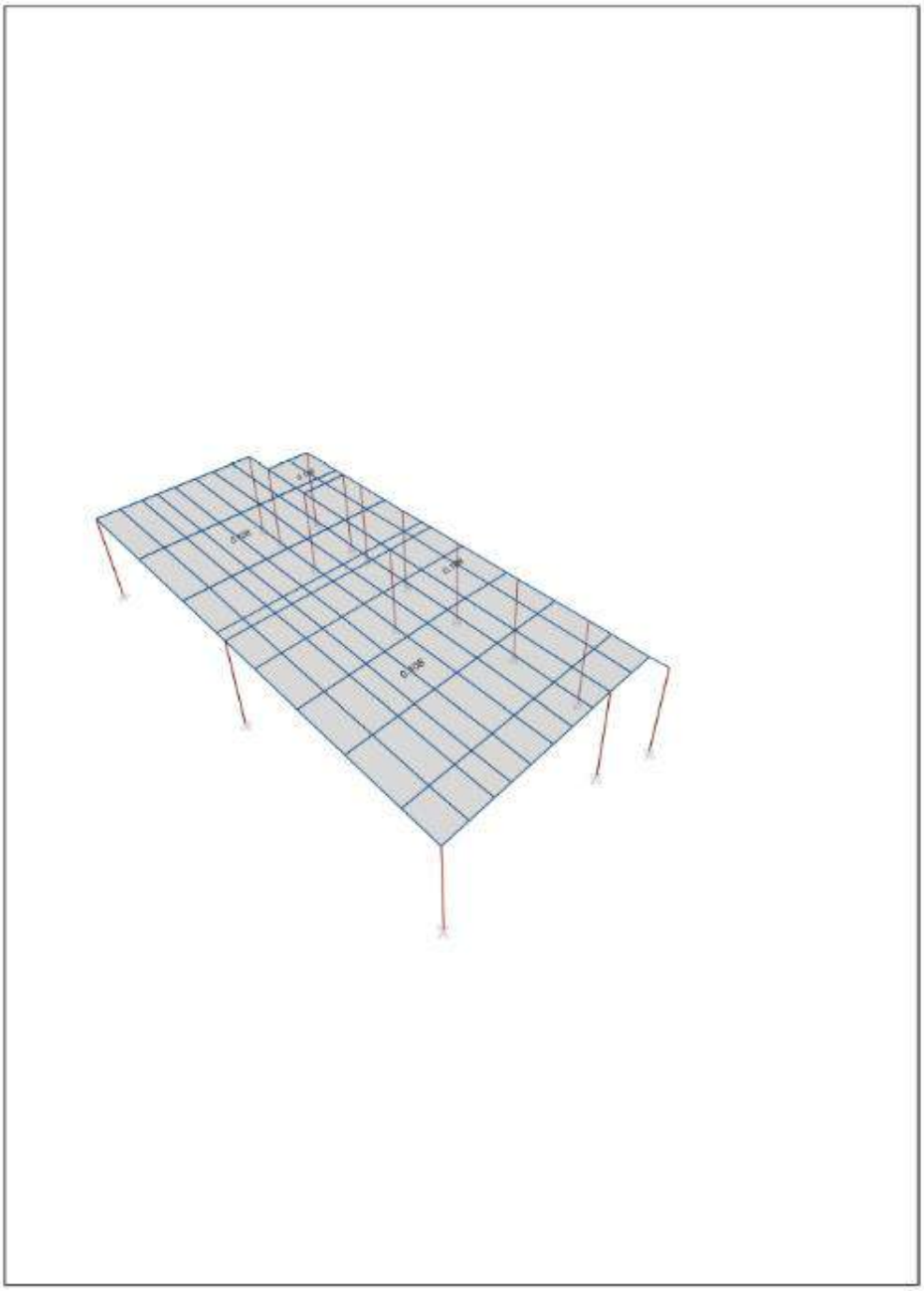
ESTRUCTURA PORTICOS - ALCALDIA BARRIO JUNEROS EDS 3.8 (m)

ETABS 2015 15.2.0



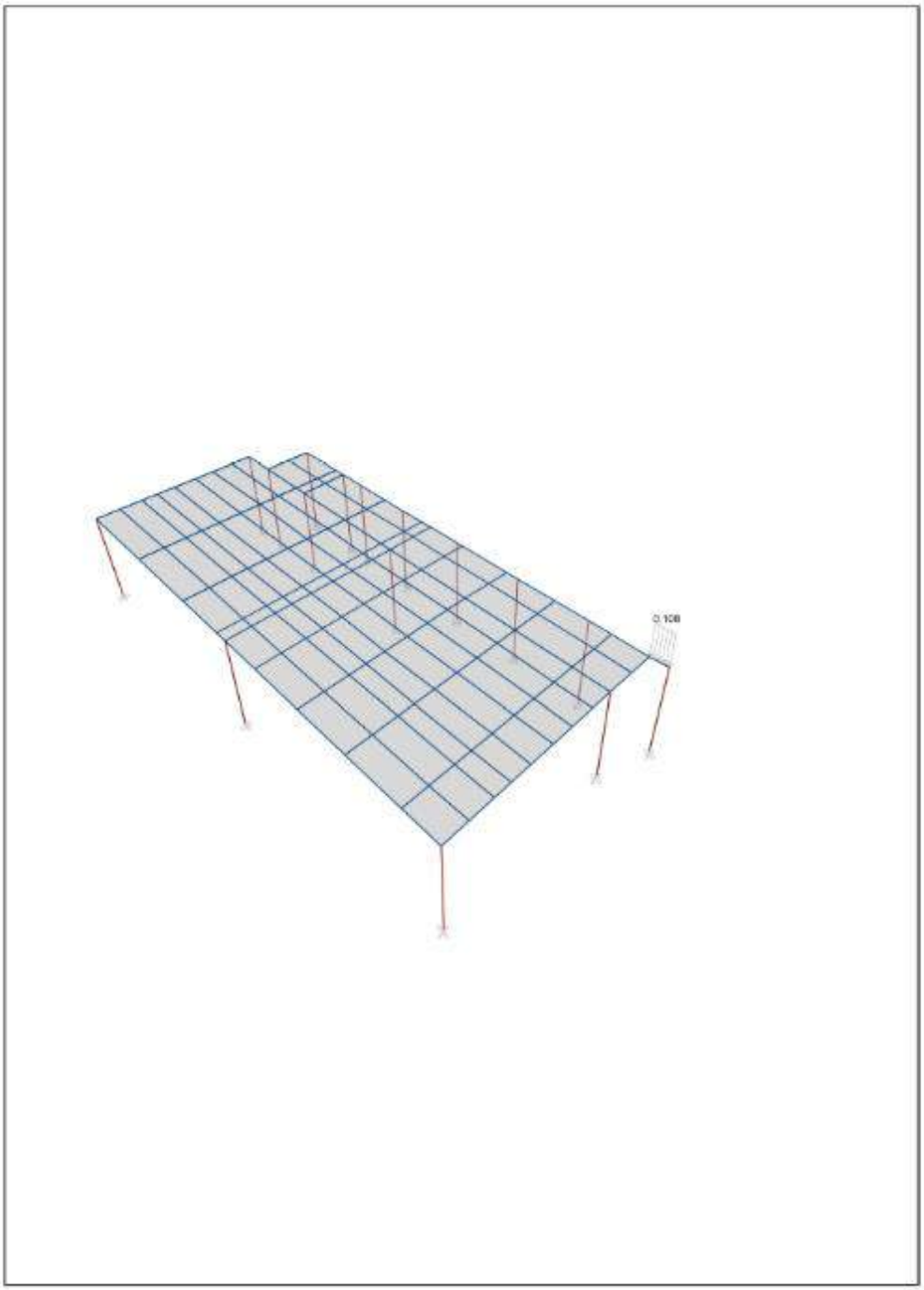
ESTRUCTURA PORTICOS - ALCALDIA BARRIO JUNEROS EDS 3.8 (m)

ETABS 2015 15.2.0



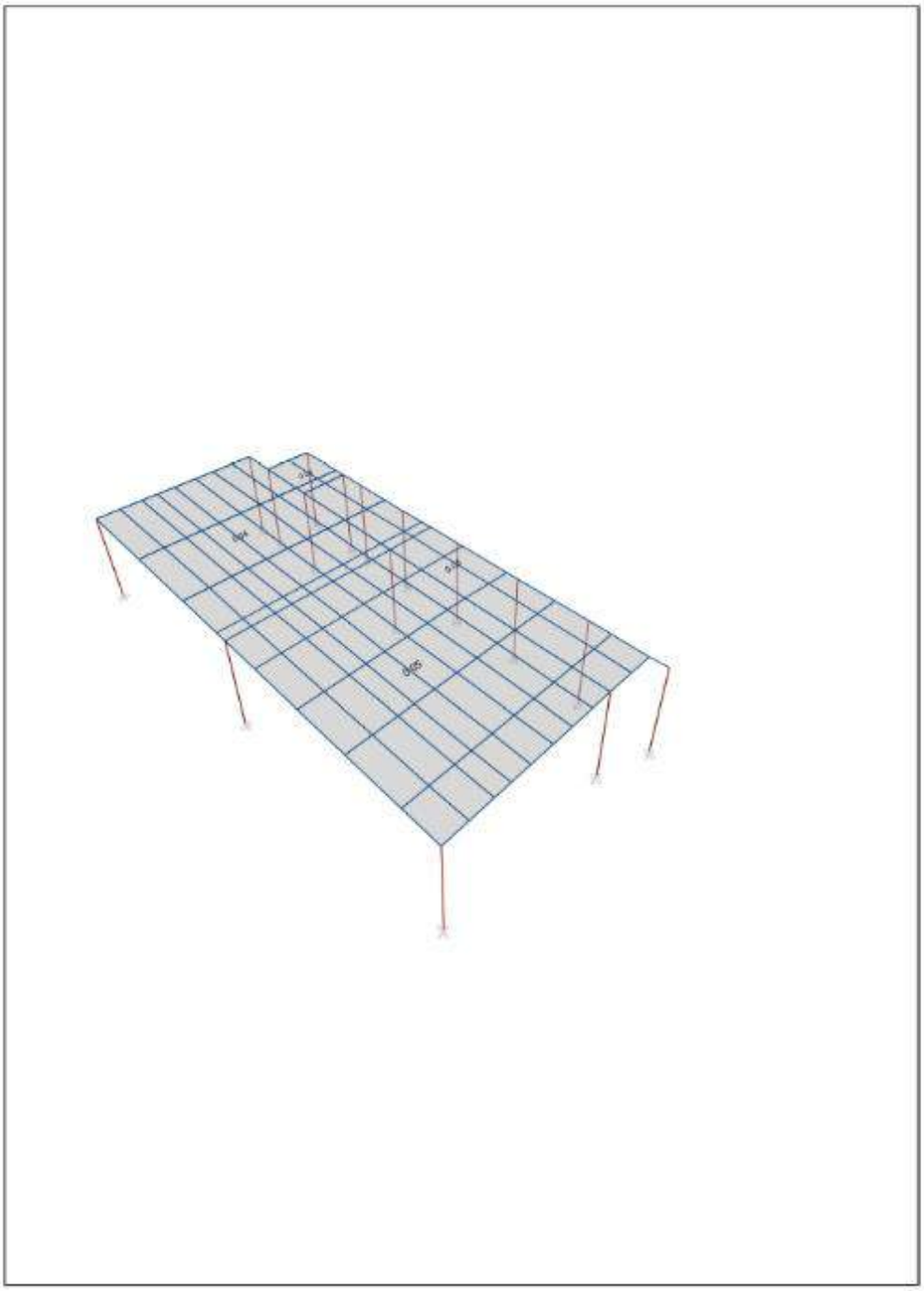
ESTRUCTURA PORTICOS - ALCA[illegible]ity (CA)

ETABS 2015 15.2.0



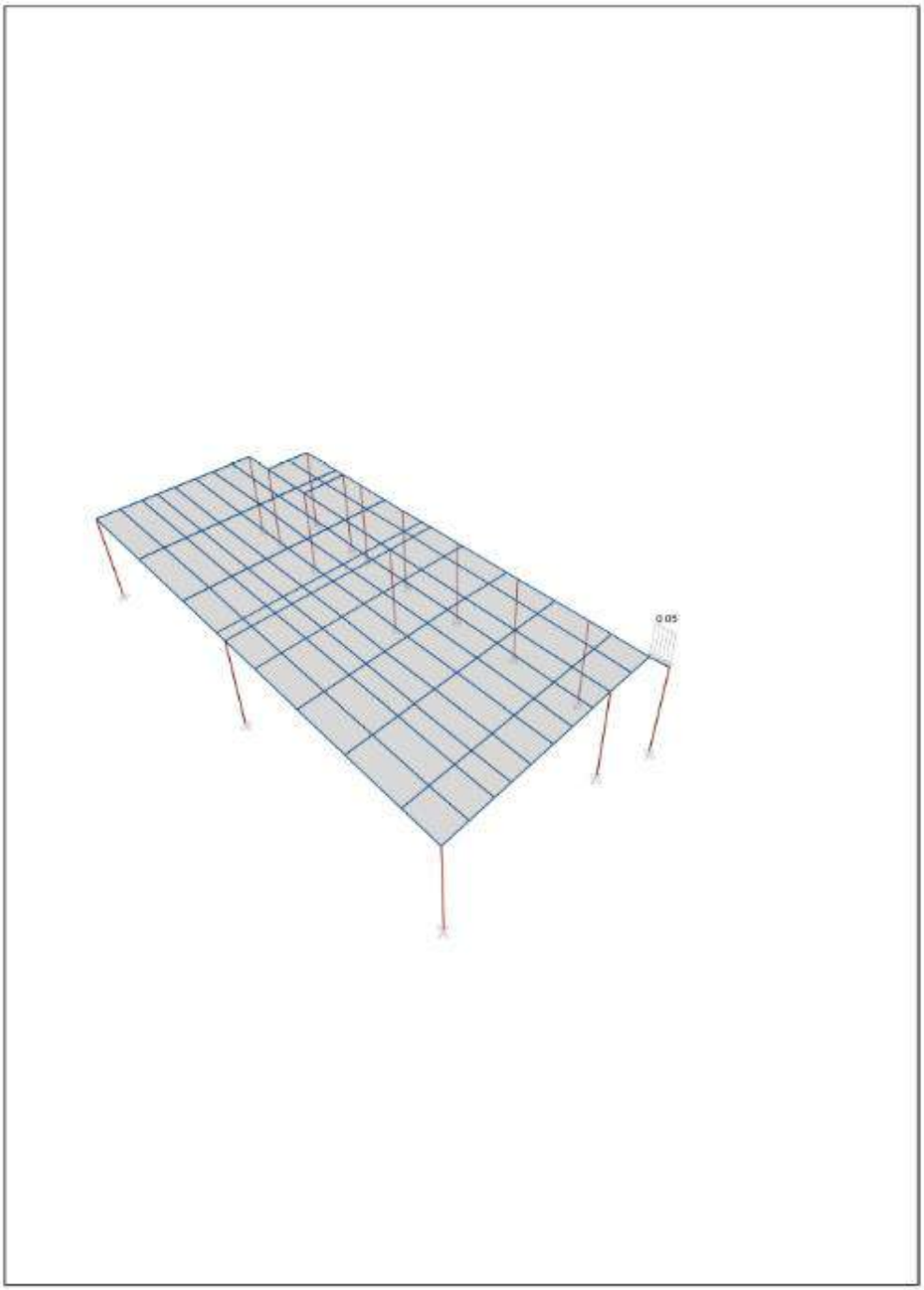
ESTRUCTURA PORTICOS - ALCALDIA BARRIDOS UNOS EOS (CA)

ETABS 2015 15.2.0



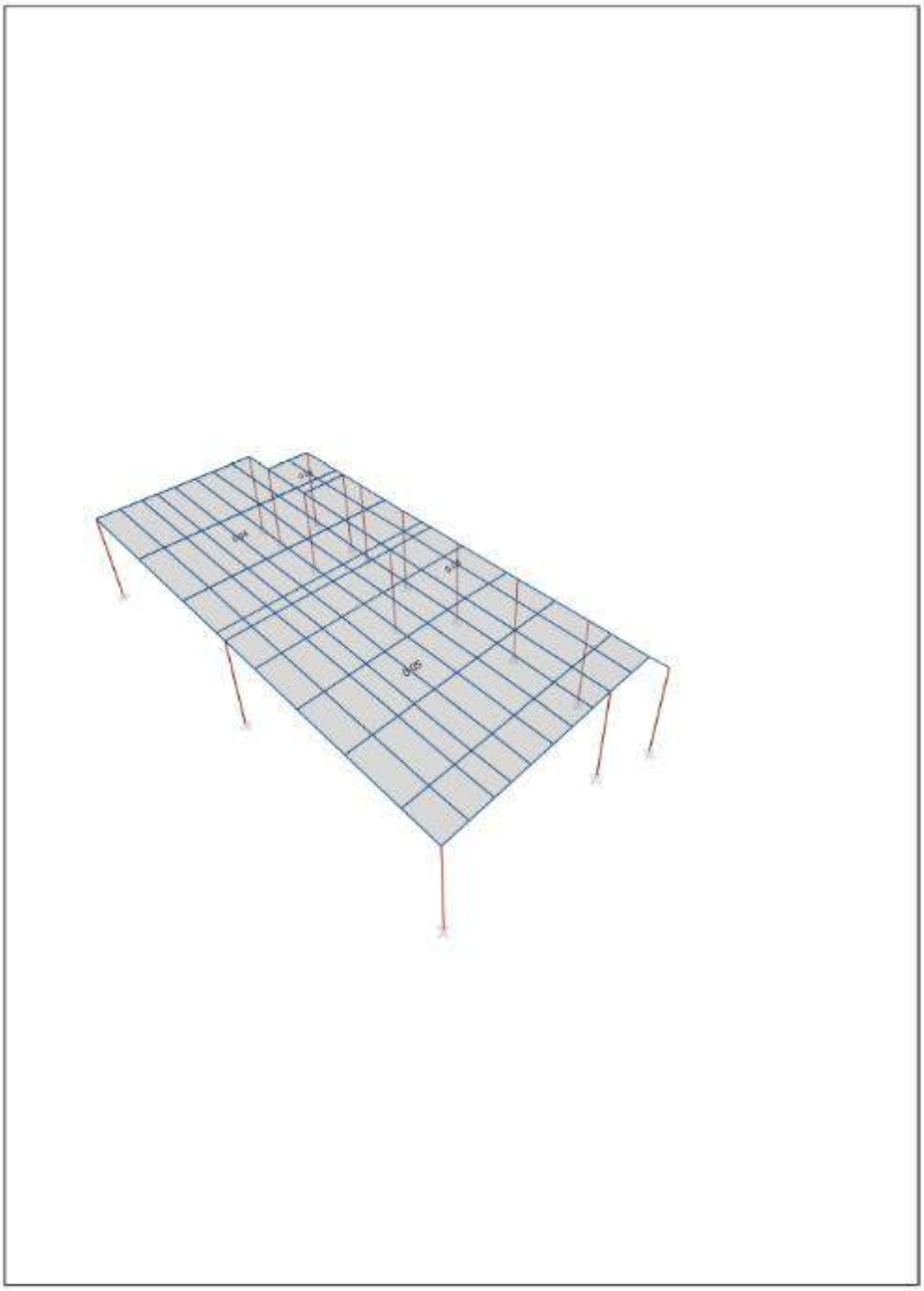
ESTRUCTURA PORTICOS - ALCADIA BARRIOS UNIDOS EDS Gravity (CV)

ETABS 2015 15.2.0



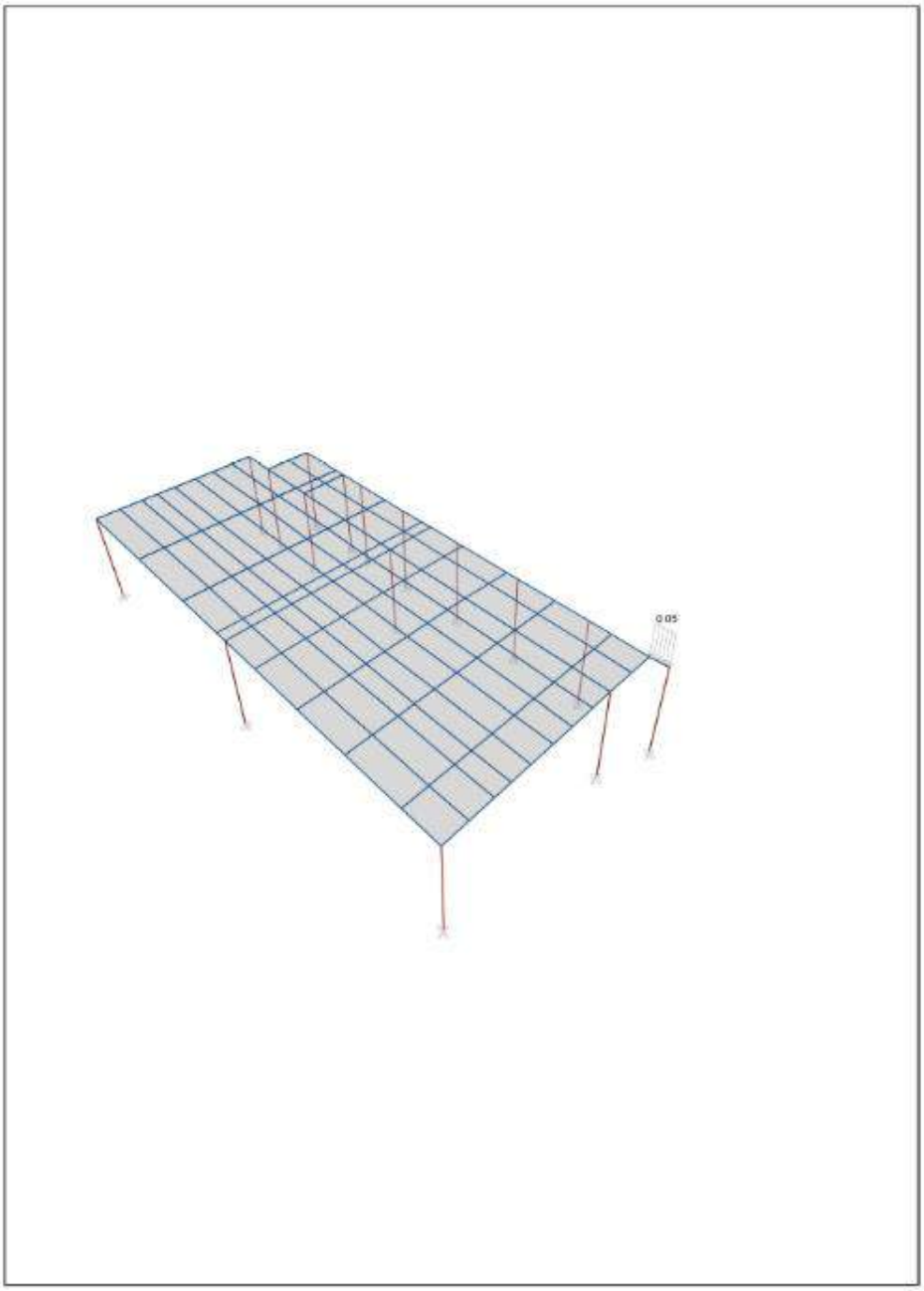
ESTRUCTURA PORTICOS - ALCALDIA BARRIDO UNOS EOS (CV)

ETABS 2015 15.2.0



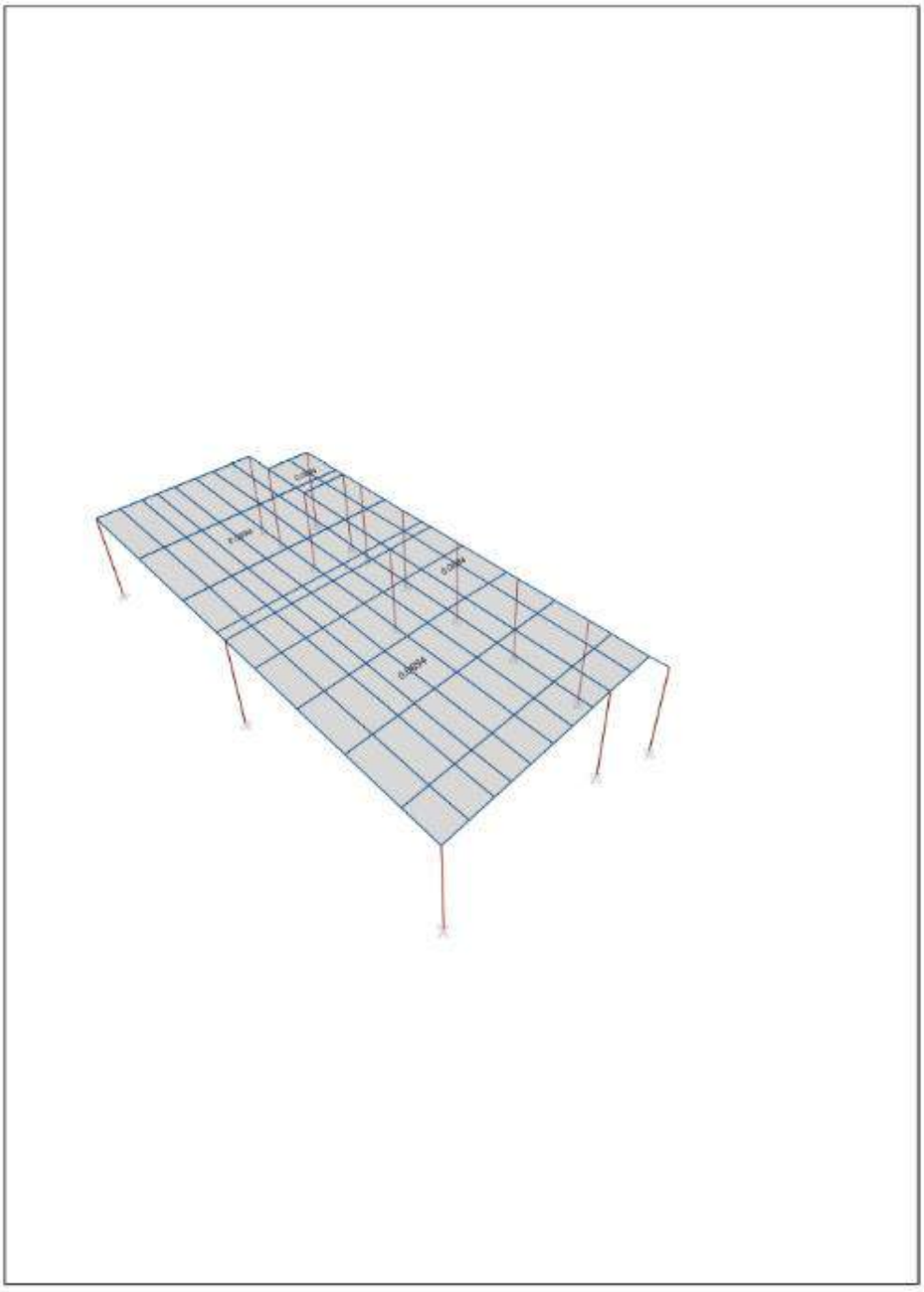
ESTRUCTURA PORTICOS - ALCALDIA BARRIOS UNIDOS EDB Gravity (G)

ETABS 2015 15.2.0

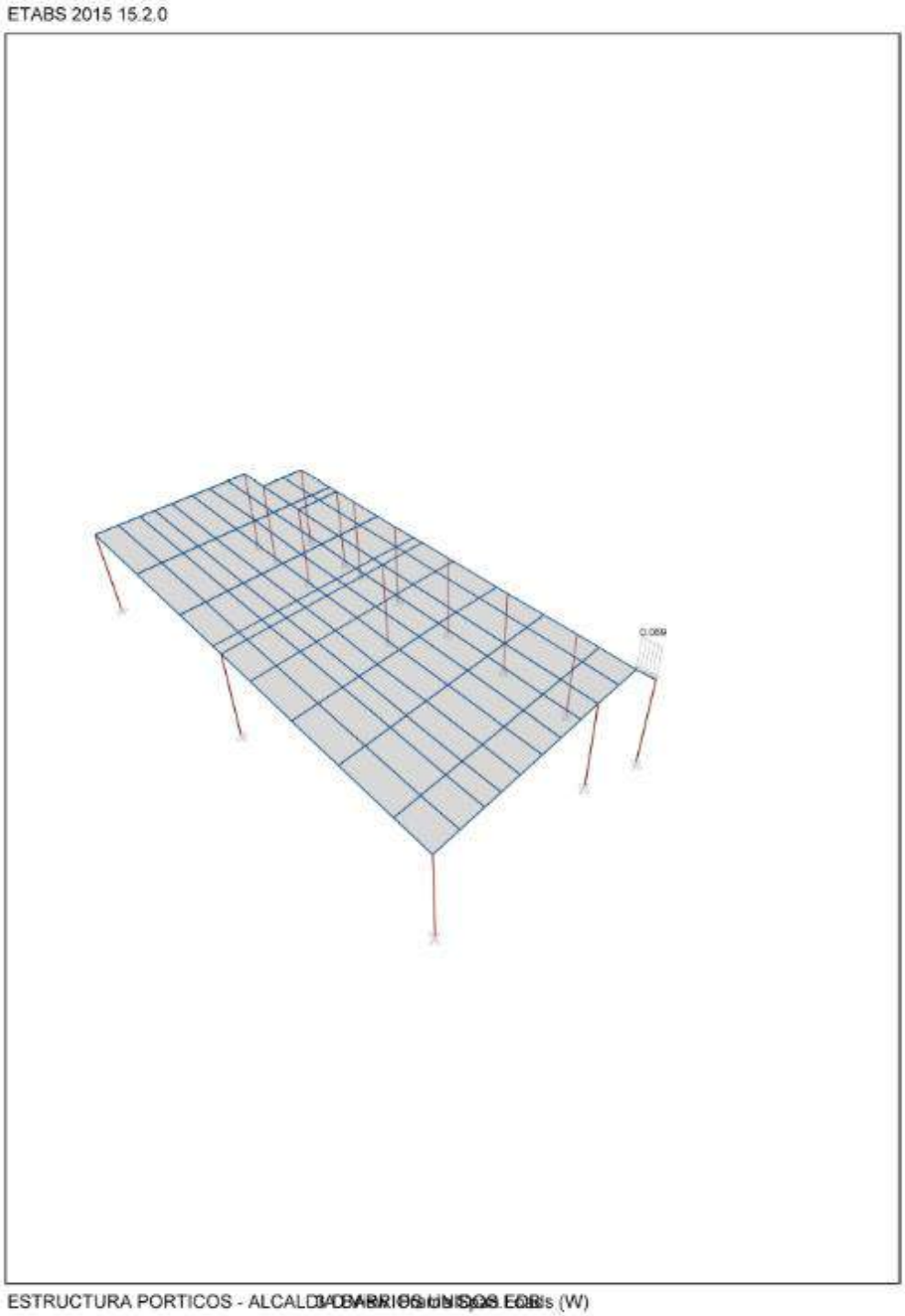


ESTRUCTURA PORTICOS - ALCALDIA CABECERA UNIDOS EDIS (G)

ETABS 2015 15.2.0



ESTRUCTURA PORTICOS - ALCALDIA BARRIOS UNIDOS EDB



5.5 ANALISIS DE FUERZA SISMICA

5.5.1 Resumen de Densidades por Piso

RESUMEN DE DENSIDADES POR PISO

PISO	AREA (m2)	VIGAS (T/m^2)	PLACA (T/m^2)	VIGUETA (T/m^2)	M. NE (T/m^2)	COLUMNAS Y PANTALLAS (T/m^2)	MURO CONT. (T/m^2)	CUBIERTA (T/m2)	ESCALERAS (T/m2)	TOTAL (T/m^2)	TOTAL (T)
N +3.80	168.26	0.073	0.00	0.000	0.00	0.043	0.00	0.11	0.00	0.22	37.67
N +0.00	168.26	0.000	0.00	0.000	0.00	0.043	0.00	0.00	0.00	0.04	7.30
A. Total	336.52	**Peso a cimentación**								**0.13**	**44.97**
		Peso modelo matematico								**0.13**	**44.22**

Porcentaje de diferencia entre avaluo de cargas y modelo matematico 1.677% ok es menor que el 5 %

Porcentaje de participaicon de masas en los sentidos principales de la estrucutra

Sentido X 100.00% ok

Sentido Y 100.00% ok

5.5.2 Distribución de Cargas Sísmicas

DISTRIBUCION DE CARGAS SISMICAS

CALIF.ESTRUC. REGULAR

%AJUSTE V= 0.8

PISO	h (m)	h ACUM.	h^k	w (t)	wh^k	Cv (%)	Fx (t)	M (t.m)
N +3.80	3.8	3.80	3.80	37.67	143.16	1.00	17.71	8.71
N +0.00	0.00	0.00	0.0	7.30	0.00	0.00		
				44.97	143.16	1.00	17.71	8.71

Vd_{x-x} 14.54

Vd_{y-y} 14.33

T= 0.17

W= 45 t V= 17.7 t

k= 1.00 Sa= 0.39

AJUSTE	%	g
SENTIDO X	1.00	9.81
SENTIDO Y	1.00	9.81

5.6 DERIVAS ADMISIBLES

DERIVAS ADMISIBLES								
NUDO		δx (cm)	δy (cm)	Δx (cm)	Δy (cm)	Δ (cm)	$\Delta_{admisible}$ (cm)	%
COMB 1 MAX								
CUBIERTA	21	0.0021	-0.0042	0.0021	0.0042	0.0047	3.80	0.001
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.0021	-0.0045	0.0021	0.0045	0.0050	3.80	0.001
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.0014	-0.0042	0.0014	0.0042	0.0044	3.80	0.001
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.0014	-0.0045	0.0014	0.0045	0.0047	3.80	0.001
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.0020	-0.0046	0.0020	0.0046	0.0050	3.80	0.001
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.0014	-0.0046	0.0014	0.0046	0.0048	3.80	0.001
BASE	27	0.0000	0.0000					
COMB 2 MAX								
CUBIERTA	21	0.2652	0.0071	0.2652	0.0071	0.2653	3.80	0.070
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.2652	0.0058	0.2652	0.0058	0.2653	3.80	0.070
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.2661	0.0071	0.2661	0.0071	0.2662	3.80	0.070
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.2661	0.0058	0.2661	0.0058	0.2662	3.80	0.070
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.2653	0.0054	0.2653	0.0054	0.2654	3.80	0.070
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.2661	0.0054	0.2661	0.0054	0.2662	3.80	0.070
BASE	27	0.0000	0.0000					

COMB 3 MAX								
CUBIERTA	21	-0.2616	-0.0149	0.2616	0.0149	0.2620	3.80	0.069
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.2616	-0.0138	0.2616	0.0138	0.2620	3.80	0.069
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.2631	-0.0149	0.2631	0.0149	0.2635	3.80	0.069
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.2631	-0.0138	0.2631	0.0138	0.2635	3.80	0.069
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.2617	-0.0135	0.2617	0.0135	0.2620	3.80	0.069
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.2632	-0.0135	0.2632	0.0135	0.2635	3.80	0.069
BASE	27	0.0000	0.0000					

COMB 4 MAX								
CUBIERTA	21	0.0568	0.2888	0.0568	0.2888	0.2943	3.80	0.077
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.0568	0.2572	0.0568	0.2572	0.2634	3.80	0.069
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.0492	0.2888	0.0492	0.2888	0.2930	3.80	0.077
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.0492	0.2572	0.0492	0.2572	0.2619	3.80	0.069
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.0490	0.2479	0.0490	0.2479	0.2527	3.80	0.066
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.0526	0.2479	0.0526	0.2479	0.2534	3.80	0.067
BASE	27	0.0000	0.0000					

COMB 5 MAX								
CUBIERTA	21	-0.0531	-0.2967	0.0531	0.2967	0.3014	3.80	0.079
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.0531	-0.2652	0.0531	0.2652	0.2705	3.80	0.071
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.0462	-0.2967	0.0462	0.2967	0.3003	3.80	0.079
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.0462	-0.2652	0.0462	0.2652	0.2692	3.80	0.071
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.0454	-0.2560	0.0454	0.2560	0.2600	3.80	0.068
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.0497	-0.2560	0.0497	0.2560	0.2608	3.80	0.069
BASE	27	0.0000	0.0000					

COMB 6 MAX								
CUBIERTA	21	0.2645	0.0085	0.2645	0.0085	0.2646	3.80	0.070
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.2645	0.0073	0.2645	0.0073	0.2646	3.80	0.070
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.2658	0.0085	0.2658	0.0085	0.2659	3.80	0.070
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.2658	0.0073	0.2658	0.0073	0.2659	3.80	0.070
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.2646	0.0070	0.2646	0.0070	0.2647	3.80	0.070
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.2659	0.0070	0.2659	0.0070	0.2660	3.80	0.070
BASE	27	0.0000	0.0000					

COMB 7 MAX								
CUBIERTA	21	-0.2624	-0.0135	0.2624	0.0135	0.2627	3.80	0.069
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.2624	-0.0122	0.2624	0.0122	0.2627	3.80	0.069
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.2634	-0.0135	0.2634	0.0135	0.2637	3.80	0.069
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.2634	-0.0122	0.2634	0.0122	0.2637	3.80	0.069
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.2624	-0.0119	0.2624	0.0119	0.2627	3.80	0.069
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.2635	-0.0119	0.2635	0.0119	0.2638	3.80	0.069
BASE	27	0.0000	0.0000					

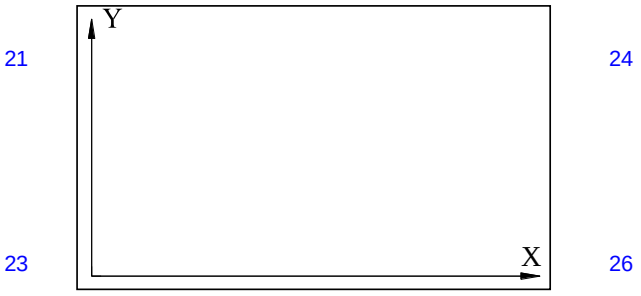
COMB 8 MAX								
CUBIERTA	21	0.0560	0.2903	0.0560	0.2903	0.2957	3.80	0.078
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.0560	0.2588	0.0560	0.2588	0.2648	3.80	0.070
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.0489	0.2903	0.0489	0.2903	0.2944	3.80	0.077
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.0489	0.2588	0.0489	0.2588	0.2634	3.80	0.069
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.0483	0.2495	0.0483	0.2495	0.2541	3.80	0.067
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.0523	0.2495	0.0523	0.2495	0.2549	3.80	0.067
BASE	27	0.0000	0.0000					

COMB 9 MAX								
CUBIERTA	21	-0.0539	-0.2953	0.0539	0.2953	0.3002	3.80	0.079
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.0539	-0.2637	0.0539	0.2637	0.2692	3.80	0.071
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.0465	-0.2953	0.0465	0.2953	0.2989	3.80	0.079
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.0465	-0.2637	0.0465	0.2637	0.2678	3.80	0.070
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.0462	-0.2544	0.0462	0.2544	0.2586	3.80	0.068
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.0499	-0.2544	0.0499	0.2544	0.2592	3.80	0.068
BASE	27	0.0000	0.0000					

5.6.1 Verificación de la Irregularidad Torsional

VERIFICACIÓN DE LA IRREGULARIDAD TORSIONAL

Esquema Estructural - Identificación de Nudos Para Revisión de la Irregularidad Torsional Estructura Principal



REVISIÓN DE LA IRREGULARIDAD TORSIONAL

SISMO EN X Caso de Carga: 2 **Δ** =Deriva del análisis.

Columna Eje Vertical:

Nudo: 24 26 Nudo: 21 23

Nivel	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax
CUBIERTA	0.27	0.27	0.32		**NO**	0.69	0.27	0.27	0.32		**NO**	0.69

SISMO EN Y Caso de Carga: 4 **Δ** =Deriva del análisis.

Columna Eje Vertical:

Nudo: 21 24 Nudo: 23 26

Nivel	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax	**Δ1** (cm)	**Δ2** (cm)	**(Δ1+Δ2)** 2	x 1.2	¿Irregularidad?	Ax
CUBIERTA	0.29	0.26	0.33		**NO**	0.80	0.29	0.26	0.33		**NO**	0.79

5.7 ANALISIS SISMICO DE UMBRAL DE DAÑO

5.7.1 Definición de Movimiento Sísmico de Diseño

DEFINICION DE MOVIMIENTO SISMICO DE UMBRAL DE DAÑO

a.- Ubicación del proyecto: Calle 74A N° 63-04

b.- Zona de amenaza sísmica: Intermedia

c.- Valor de Ad Ad = 0.16

d.- Valor de Aod Aod= 0.08

e.- Zona de Respuesta Sísmica (Microzonificación): Lacustre 300

f.- Tipo de pérfil de suelo:

		Fa	Fv
	A		
	B		
	C		
	D		
	E		
X	F	1.25	4

g.- Grupo de uso III

h.- Coeficiente de importancia: I 1.25

i.- Coeficiente de amortig. crítico C.C.A: 2%

j.- Espectro de diseño: Elástico

Observaciones:

Según numeral A.6.2.1.2, el coeficiente de importancia a utilizar para el cálulo del desplazamiento horizontal I= 1 y para el diseño III= 1.25

Revisó:_____
Ejecutó:_____

5.7.2 Características de los Materiales y de la Estructura

CARACTERISTICAS DE LOS MATERIALES Y DE LA ESTRUCTURA			
a.-	Sistema estructural:	Pórticos Resistentes a Momento	
b.-	Material	Concreto	
c.-	Capacidad de disipación de energía	DMO	
d.-	Coeficiente de capacidad básica de modificación de respuesta	Ro =	5.0
	Coeficiente de Sobre resistencia	Ω_0=	3.0
e-	Número de edificaciones	1	
f-	Número de pisos	1	PISO Y CUBIERTA

Observaciones:	Revisó:_____ Ejecutó:_____

5.7.3 Irregularidad de la Edificación

IRREGULARIDAD DE LA EDIFICACION

a.- EDIFICACION: 3 PISOS

b- CONFIGURACION EN PLANTA

TIPO	DESCRIPCION	∅p
1aP	Irregularidad torsional	1.0
1bP	Irregularidad torsional extrema	1.0
2P	Retrocesos en esquinas	1.0
3P	Discontinuidades en el diafragma	1.0
4P	Desplaz. de elementos verticales	1.0
5P	Sistemas no paralelos	1.0
Φp=	1.0	

c.- CONFIGURACION EN ALTURA

TIPO	DESCRIPCION	∅a
1aA	Piso flexible (irregularidad en rigidez)	1.0
1bA	Piso flexible (irregularidad extrema en rigidez)	1.0
2A	Distribución masa	1.0
3A	Irregularidad geométrica	1.0
4A	Desplaz. dentro del plano de acción	1.0
5aA	Piso débil- discontinuidad en la resistencia	1.0
5bA	Piso débil- discontinuidad extrema resistencia	1.0
Φa	1.0	

d.- AUSENCIA DE REDUNDANCIA ∅Rx 1.00

∅ry 1.00

e.- COEFICIENTE BASICO DE CAPACIDAD DE DISIPACION DE ENERGIA

Ro= 5.0

f.- COEFICIENTE DE CAPACIDAD DE MODIFICACION DE RESPUESTA

R= (∅a) x (∅p) x(∅r)x Ro

RX= 5.00

RY= 5.00

g.- EFECTOS ORTOGONALES EN CARGAS SISMICAS

Se deben tener en cuenta: (100 % - 30%) x, (30% - 100 %) y

h.- MEZCLA DE SISTEMAS ESTRUCTURALES

No existe, ni en planta ni en altura.

Observaciones:

Revisó:_____
Ejecutó:_____

5.7.4 Característica del Diseño

CARACTERISTICAS DEL DISEÑO	
a.- METODO DE ANALISIS SISMICO UTILIZADO A.D.E. ANALISIS DINAMICO ELASTICO b- METODO DE ANALISIS ESTRUCTURAL Análisis matricial: Estructura principal c- METODO DE DISEÑO Esfuerzo último	
Observaciones:	Revisó:_____ Ejecutó:_____

5.7.5 Espectro Sísmico Umbral de daño

ESPECTRO SISMICO DE UMBRAL DE DAÑO

MODELO NSR-10

a. - PERIODO DE LA ESTRUCTURA

Ta= Ct x h^{α}

Ct= 0.047 Pórticos Resistentes a Momento

α = 0.90

hn= 3.80 m.

T= 0.17

b . - PARÁMETROS

Ad=	0.16	Aod=	0.08
Fa=	1.25	Fv=	4.00
I =	1.00		
Idis=	1.25		

c. - LIMITES DEL PERIODO

Tod=	(0.1*Fv)/(Fa)	=	0.32
Tcd=	(0.5*Fv)/(Fa)	=	1.60
TLd=	TLd	=	5.00

d. - ESPECTRO PARA PERIODOS MENORES A Tod.

Sa do = Sado= 0.35

e. - ESPECTRO PARA PERIODOS ENTRE Tod y Tc.

Sa d1= 3.0 * Ad * Fa = Sad1= 0.60

f. - ESPECTRO DE ACELERACIONES EN FUNCION DE T

$Sa\ d2 = \frac{1.5 * Ad * Fv}{T}$ Sa 2= 5.71

g. - ESPECTRO PARA PERIODOS MAYORES A TL.

$Sa\ d3 = \frac{1.5 * Ad * Fv * T_{Ld}}{T^2}$ Sa 3= 4.80 $/T^2$ 170.1

h. - ESPECTRO SISMICO DE DISEÑO

Sa = 0.35 35% (g)

Para el diseño el espéctro sísmico según NSR-10, entonces Sa=0.35 = 35.3% (g)

Observaciones:

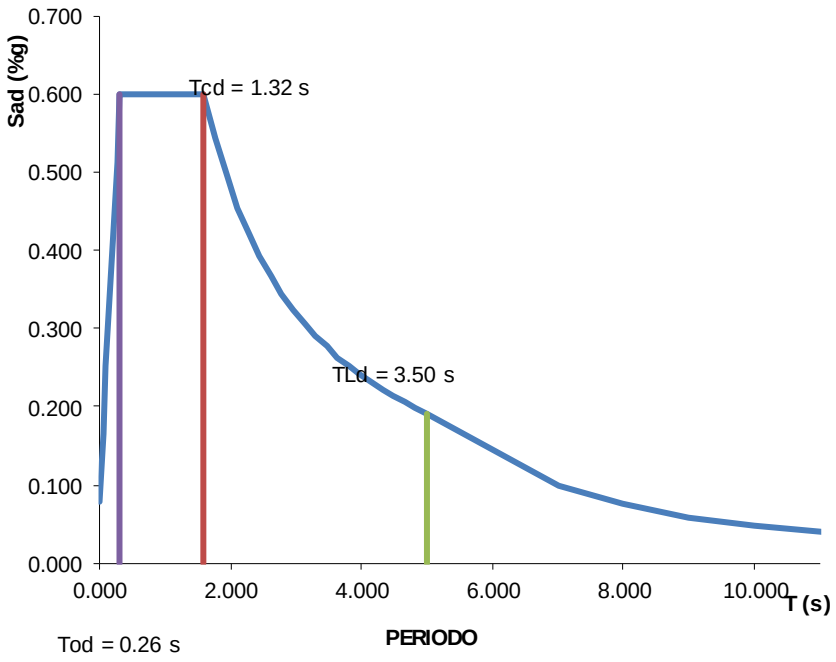
Revisó:_____

Ejecutó:_____

ESPECTRO SISMICO DE UMBRAL DE DAÑO

CURVAS DE ESPECTROS DE ACUERDO A LA NSR-10

ESPECTRO DE DISEÑO



Observaciones:	Revisó:_____ Ejecutó:_____

5.8 ANALISIS DE FUERZA SISMICA UMBRAL DE DAÑO

5.8.1 Resumen de Densidades por Piso

RESUMEN DE DENSIDADES POR PISO

PISO	AREA (m2)	VIGAS (T/m^2)	PLACA (T/m^2)	VIGUETA (T/m^2)	M. NE (T/m^2)	COLUMNAS (T/m^2)	MURO CIMEN. (T/m^2)	CUBIERTA (T/m2)	ESCALERAS (T/m2)	TOTAL (T/m^2)	TOTAL (T)
N +3.80	168.26	0.07	0.00	0.00	0.00	0.04	0.00	0.11	0.00	0.22	37.67
N +0.00	168.26	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.04	7.30
A. Total	336.52								**Peso a cimentación**	**0.13**	**44.97**

5.8.2 Distribución de Cargas Sísmicas

DISTRIBUCION DE CARGAS SISMICAS

CALIF.ESTRUC. REGULAR

%AJUSTE V= 0.8

PISO	h (m)	h ACUM.	h^k	w (t)	wh^k	Cv (%)	Fx (t)	M (t.m)
N +3.80	3.80	3.80	3.8	37.67	143.16	1.00	15.87	7.81
N +0.00	0.00	0.0	0.0	7.30	0.00	0.00	0.00	0.00
				44.97	143.16	1.00	15.87	7.81

Vd_{x-x} 12.77

Vd_{y-y} 12.77

T= 0.17

W= 44.97 t V= 15.9 t

k= 1.00 Sa= 0.35

AJUSTE	%	g
SENTIDO X	1.00	9.81
SENTIDO Y	0.99	9.81

5.9 DERIVAS ADMISIBLES DE UMBRAL DE DAÑO

DERIVAS UMBRAL DE DAÑO								
NUDO		δx (cm)	δy (cm)	Δx (cm)	Δy (cm)	Δ (cm)	$\Delta_{admisible}$ (cm)	%
COMB 1 MAX								
CUBIERTA	21	0.0021	-0.0042	0.00	0.00	0.00	1.52	0.00
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.0021	-0.0045	0.00	0.00	0.00	1.52	0.00
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.0014	-0.0042	0.00	0.00	0.00	1.52	0.00
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.0014	-0.0045	0.00	0.00	0.00	1.52	0.00
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.0020	-0.0046	0.00	0.00	0.01	1.52	0.00
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.0014	-0.0046	0.00	0.00	0.00	1.52	0.00
BASE	27	0.0000	0.0000					
COMB 2 MAX								
CUBIERTA	21	0.2323	0.0181	0.23	0.02	0.23	1.52	0.15
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.2323	0.0154	0.23	0.02	0.23	1.52	0.15
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.2347	0.0181	0.23	0.02	0.24	1.52	0.15
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.2347	0.0154	0.23	0.02	0.24	1.52	0.15
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.2324	0.0146	0.23	0.01	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.2348	0.0146	0.23	0.01	0.24	1.52	0.15
BASE	27	0.0000	0.0000					

COMB 3 MIN								
CUBIERTA	21	-0.2286	-0.0259	0.23	0.03	0.23	1.52	0.15
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.2286	-0.0235	0.23	0.02	0.23	1.52	0.15
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.2317	-0.0259	0.23	0.03	0.23	1.52	0.15
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.2317	-0.0235	0.23	0.02	0.23	1.52	0.15
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.2288	-0.0228	0.23	0.02	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.2318	-0.0228	0.23	0.02	0.23	1.52	0.15
BASE	27	0.0000	0.0000					

COMB 4 MAX								
CUBIERTA	21	0.0577	0.2577	0.06	0.26	0.26	1.52	0.17
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.0577	0.2286	0.06	0.23	0.24	1.52	0.16
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.0418	0.2577	0.04	0.26	0.26	1.52	0.17
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.0418	0.2286	0.04	0.23	0.23	1.52	0.15
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.0512	0.2201	0.05	0.22	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.0446	0.2201	0.04	0.22	0.22	1.52	0.15
BASE	27	0.0000	0.0000					

COMB 5 MIN								
CUBIERTA	21	-0.0540	-0.2655	0.05	0.27	0.27	1.52	0.18
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.0540	-0.2367	0.05	0.24	0.24	1.52	0.16
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.0389	-0.2655	0.04	0.27	0.27	1.52	0.18
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.0389	-0.2367	0.04	0.24	0.24	1.52	0.16
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.0476	-0.2282	0.05	0.23	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.0416	-0.2282	0.04	0.23	0.23	1.52	0.15
BASE	27	0.0000	0.0000					

COMB 6 MAX								
CUBIERTA	21	0.2315	0.0195	0.23	0.02	0.23	1.52	0.15
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.2315	0.0170	0.23	0.02	0.23	1.52	0.15
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.2344	0.0195	0.23	0.02	0.24	1.52	0.15
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.2344	0.0170	0.23	0.02	0.24	1.52	0.15
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.2317	0.0163	0.23	0.02	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.2345	0.0163	0.23	0.02	0.24	1.52	0.15
BASE	27	0.0000	0.0000					

COMB 7 MIN								
CUBIERTA	21	-0.2294	-0.0245	0.23	0.02	0.23	1.52	0.15
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.2294	-0.0219	0.23	0.02	0.23	1.52	0.15
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.2320	-0.0245	0.23	0.02	0.23	1.52	0.15
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.2320	-0.0219	0.23	0.02	0.23	1.52	0.15
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.2296	-0.0211	0.23	0.02	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.2321	-0.0211	0.23	0.02	0.23	1.52	0.15
BASE	27	0.0000	0.0000					

COMB 8 MAX								
CUBIERTA	21	0.0569	0.2591	0.06	0.26	0.27	1.52	0.17
BASE	21	0.0000	0.0000					
CUBIERTA	24	0.0569	0.2302	0.06	0.23	0.24	1.52	0.16
BASE	24	0.0000	0.0000					
CUBIERTA	23	0.0415	0.2591	0.04	0.26	0.26	1.52	0.17
BASE	23	0.0000	0.0000					
CUBIERTA	26	0.0415	0.2302	0.04	0.23	0.23	1.52	0.15
BASE	26	0.0000	0.0000					
CUBIERTA	33	0.0505	0.2217	0.05	0.22	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	0.0443	0.2217	0.04	0.22	0.23	1.52	0.15
BASE	27	0.0000	0.0000					

COMB 9 MIN								
CUBIERTA	21	-0.0548	-0.2641	0.05	0.26	0.27	1.52	0.18
BASE	21	0.0000	0.0000					
CUBIERTA	24	-0.0548	-0.2351	0.05	0.24	0.24	1.52	0.16
BASE	24	0.0000	0.0000					
CUBIERTA	23	-0.0391	-0.2641	0.04	0.26	0.27	1.52	0.18
BASE	23	0.0000	0.0000					
CUBIERTA	26	-0.0391	-0.2351	0.04	0.24	0.24	1.52	0.16
BASE	26	0.0000	0.0000					
CUBIERTA	33	-0.0483	-0.2266	0.05	0.23	0.23	1.52	0.15
BASE	33	0.0000	0.0000					
CUBIERTA	27	-0.0419	-0.2266	0.04	0.23	0.23	1.52	0.15
BASE	27	0.0000	0.0000					

5.10 ANALISIS ESTRUCUTRAL

5.10.1 Combinaciones de carga

ANALISIS ESTRUCTURA EDIFICIO

A. COMBINACIONES DE CARGA PARA DERIVA

Combinaciones de Carga:

CHEQUEO DE LA DERIVA

							$Fy \circ Fy$						
1.	1.20	C.M.	+	1.60	C.V.				C.M.	=	Carga Muerta		
2.	1.20	C.M.	+	1.00	C.V.	+	1.00	S.X.	C.V.	=	Carga Viva		
3.	1.20	C.M.	+	1.00	C.V.	-	1.00	S.X.	S.X.	=	Fuerzas Sismicas Elásticas en X		
4.	1.20	C.M.	+	1.00	C.V.	+	1.00	S.Y.	S.Y.	=	Fuerzas Sismicas Elásticas en Y		
5.	1.20	C.M.	+	1.00	C.V.	-	1.00	S.Y.					
6.	0.90	C.M.				+	1.00	S.X.	R_o	=	***5.0***		
7.	0.90	C.M.				-	1.00	S.X.	ϕ_p	=	1.00	Pórticos Resistentes a Momento	
8.	0.90	C.M.				+	1.00	S.Y.	ϕ_a	=	1.00		
9.	0.90	C.M.				-	1.00	S.Y.	ϕ Rx	=	1.00		
									ϕ Ry	=	1.00		
									RX	=	$R_o \Phi_a \Phi_p \Phi_r$	=	5.00
									RY	=	$R_o \Phi_a \Phi_p \Phi_r$	=	5.00

B. COMBINACIONES DE DISEÑO DE VIGAS Y COLUMNAS

							$\frac{1}{R}F_xI$ ó $\frac{0.3}{R}F_xI$		$\frac{1}{R}F_yI$ ó $\frac{0.3}{R}F_yI$
							S.X.		S.Y.
1.	1.20	C.M.	+	1.60	C.V.				
2.	1.20	C.M.	+	1.00	C.V.	+	0.25	+	0.08
3.	1.20	C.M.	+	1.00	C.V.	+	0.25	-	0.08
4.	1.20	C.M.	+	1.00	C.V.	-	0.25	+	0.08
5.	1.20	C.M.	+	1.00	C.V.	-	0.25	-	0.08
6.	1.20	C.M.	+	1.00	C.V.	+	0.08	+	0.25
7.	1.20	C.M.	+	1.00	C.V.	+	0.08	-	0.25
8.	1.20	C.M.	+	1.00	C.V.	-	0.08	+	0.25
9.	1.20	C.M.	+	1.00	C.V.	-	0.08	-	0.25
10.	0.90	C.M.				+	0.25	+	0.08
11.	0.90	C.M.				+	0.25	-	0.08
12.	0.90	C.M.				-	0.25	+	0.08
13.	0.90	C.M.				-	0.25	-	0.08
14.	0.90	C.M.				+	0.08	+	0.25
15.	0.90	C.M.				+	0.08	-	0.25
16.	0.90	C.M.				-	0.08	+	0.25
17.	0.90	C.M.				-	0.08	-	0.25
18.	1.40	C.M.							

Sismo X= 1.00
Sismo Y= 1.00
I= 1.25

Nota: Se tiene en cuenta la irregularidad para el efecto de la torsión.

Observaciones:

Para las combinaciones se tiene en cuenta el coeficiente de importancia correspondiente al tipo III con un valor de 1.25

C. COMBINACIONES DE CHEQUEO CORTANTE EN COLUMNAS

				$\frac{\Omega}{R}F_xI$ ó $\frac{0.3\Omega}{R}F_yI$		$\frac{0.3\Omega}{R}F_xI$ ó $\frac{\Omega}{R}F_yI$
1.	1.2C.M.	+ 1.60	C.V.			
2.	1.28C.M.	+ 1.00	C.V.	+ 0.75	+	0.23
3.	1.12C.M.	+ 1.00	C.V.	+ 0.75	+	0.23
4.	1.28C.M.	+ 1.00	C.V.	+ 0.75	-	0.23
5.	1.12C.M.	+ 1.00	C.V.	+ 0.75	-	0.23
6.	1.28C.M.	+ 1.00	C.V.	- 0.75	+	0.23
7.	1.12C.M.	+ 1.00	C.V.	- 0.75	+	0.23
8.	1.28C.M.	+ 1.00	C.V.	- 0.75	-	0.23
9.	1.12C.M.	+ 1.00	C.V.	- 0.75	-	0.23
10.	1.28C.M.	+ 1.00	C.V.	+ 0.23	+	0.75
11.	1.12C.M.	+ 1.00	C.V.	+ 0.23	+	0.75
12.	1.28C.M.	+ 1.00	C.V.	+ 0.23	-	0.75
13.	1.12C.M.	+ 1.00	C.V.	+ 0.23	-	0.75
14.	1.28C.M.	+ 1.00	C.V.	- 0.23	+	0.75
15.	1.12C.M.	+ 1.00	C.V.	- 0.23	+	0.75
16.	1.28C.M.	+ 1.00	C.V.	- 0.23	-	0.75
17.	1.12C.M.	+ 1.00	C.V.	- 0.23	-	0.75
18.	0.98C.M.			+ 0.75	+	0.23
19.	0.82C.M.			+ 0.75	+	0.23
20.	0.98C.M.			+ 0.75	-	0.23
21.	0.82C.M.			+ 0.75	-	0.23
22.	0.98C.M.			- 0.75	+	0.23
23.	0.82C.M.			- 0.75	+	0.23
24.	0.98C.M.			- 0.75	-	0.23
25.	0.82C.M.			- 0.75	-	0.23
26.	0.98C.M.			+ 0.23	+	0.75
27.	0.82C.M.			+ 0.23	+	0.75
28.	0.98C.M.			+ 0.23	-	0.75
29.	0.82C.M.			+ 0.23	-	0.75
30.	0.98C.M.			- 0.23	+	0.75
31.	0.82C.M.			- 0.23	+	0.75
32.	0.98C.M.			- 0.23	-	0.75
33.	0.82C.M.			- 0.23	-	0.75

C.M.	=	Carga Muerta	
C.V.	=	Carga Viva	
S.X.	=	Fuerzas Sismicas Elásticas en X	
S.Y.	=	Fuerzas Sismicas Elásticas en Y	
		COMBINADO	
R_o	=	***5.0***	
ϕ_p	=	1.00	Pórticos Resistentes a Momento
ϕ_a	=	1.00	
ϕ Rx	=	1.00	
ϕ Ry	=	1.00	
RX	=	$R_o\ \Phi_a\ \Phi_p\ \Phi_r$ =	5.00
RY	=	$R_o\ \Phi_a\ \Phi_p\ \Phi_r$ =	5.00
Ω	=	*3.0*	

Sismo X=	1.00
Sismo Y=	1.00
I=	1.25

D. COMBINACIONES PARA CHEQUEO A CORTANTE EN VIGAS

				$\frac{1}{R}F_xI$ ó $\frac{0.3}{R}F_xI$		$\frac{1}{R}F_yI$ ó $\frac{0.3}{R}F_yI$
				S.X.		S.Y.
1.	1.20 C.M.	+ 1.60	C.V.			
2.	1.20 C.M.	+ 1.00	C.V.	+ 0.50	+	0.15
3.	1.20 C.M.	+ 1.00	C.V.	+ 0.50	-	0.15
4.	1.20 C.M.	+ 1.00	C.V.	- 0.50	+	0.15
5.	1.20 C.M.	+ 1.00	C.V.	- 0.50	-	0.15
6.	1.20 C.M.	+ 1.00	C.V.	+ 0.15	+	0.50
7.	1.20 C.M.	+ 1.00	C.V.	+ 0.15	-	0.50
8.	1.20 C.M.	+ 1.00	C.V.	- 0.15	+	0.50
9.	1.20 C.M.	+ 1.00	C.V.	- 0.15	-	0.50
10.	0.90 C.M.			+ 0.50	+	0.15
11.	0.90 C.M.			+ 0.50	-	0.15
12.	0.90 C.M.			- 0.50	+	0.15
13.	0.90 C.M.			- 0.50	-	0.15
14.	0.90 C.M.			+ 0.15	+	0.50
15.	0.90 C.M.			+ 0.15	-	0.50
16.	0.90 C.M.			- 0.15	+	0.50
17.	0.90 C.M.			- 0.15	-	0.50

Sismo X=	2.00
Sismo Y=	2.00
III=	1.25

Nota: Se tiene en cuenta la irregularidad para el efecto de la torsión.

Observaciones:

Para las combinaciones se tiene en cuenta el coeficiente de importancia correspondiente al tipo III con un valor de 1.25

E. COMBINACIONES DE DISEÑO DE CIMENTACION

1.	1.00	C.M.	+ 1.00	C.V.				
2.	1.00	C.M.			+	0.18	S.X.	
3.	1.00	C.M.			+	0.18	S.Y.	
4.	1.00	C.M.	+ 0.75	C.V.	+	0.13	S.X.	
5.	1.00	C.M.	+ 0.75	C.V.	+	0.13	S.Y.	
6.	0.60	C.M.			+	0.18	S.X.	
7.	0.60	C.M.			+	0.18	S.Y.	

C.M. = Carga Muerta
C.V. = Carga Viva
S.X. = Fuerzas Sismicas Elásticas en X
S.Y. = Fuerzas Sismicas Elásticas en Y

R_o = ***5.0***

ϕ_p = 1.00 Pórticos Resistentes a Momento

ϕ_a = 1.00

ϕRx = 1.00

ϕRy = 1.00

RX = $R_o\ \Phi_a\ \Phi_p\ \Phi_r$ = 5.00

RY = $R_o\ \Phi_a\ \Phi_p\ \Phi_r$ = 5.00

Sismo X= 1.00

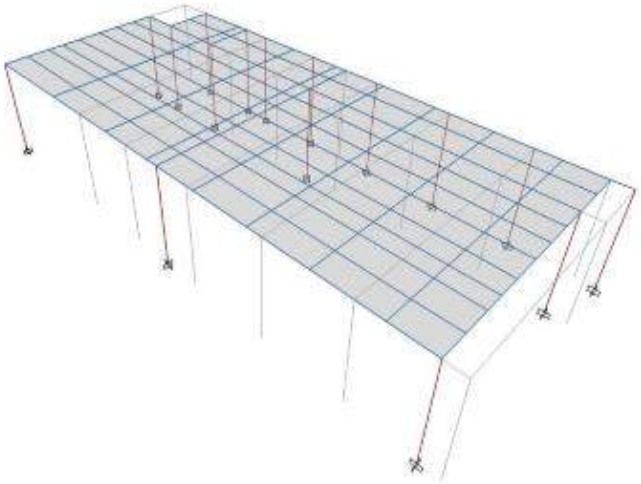
Sismo Y= 1.00

I= 1.25

COMBINACIONES	
CIM1	CM+CV
CIM2	CM+0.7SX/R
CIM3	CM+0.7SY/R
CIM4	CM+0.75CV+0.525SX/R
CIM5	CM+0.75CV+0.525SY/R
CIM6	0.60CM+0.7SX/R
CIM7	0.60CM+0.7SY/R

5.10.1 Datos de Entrada

ETABS® 2015
Integrated Building Design Software



DATOS DE ENTRADA

Model File: 438 - AeroSA - Terminal, Revision 0
01/06/2017

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1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

1.1 Story Data

Table 1.1 - Story Data

Name	Height m	Elevation m	Master Story	Similar To	Splice Story
CUBIERTA	3.6	3.6	Yes	None	No
Base	0	0	No	None	No

1.2 Grid Data

Table 1.2 - Grid Systems

Name	Type	Story Range	X Origin m	Y Origin m	Rotation deg	Bubble Size m	Color
G1	Cartesian	Default	0	0	0	1.25	ffa0a0a0

Table 1.3 - Grid Lines

Grid System	Grid Direction	Grid ID	Visible	Bubble Location	Ordinate m
G1	X	C	Yes	End	0
G1	X	B	Yes	End	6.7
G1	X	A	Yes	End	6.7
G1	Y	1	Yes	Start	0
G1	Y	2	Yes	Start	0.67
G1	Y	3	Yes	Start	2.94
G1	Y	4	Yes	Start	5.94
G1	Y	5	Yes	Start	8.94
G1	Y	6	Yes	Start	10.34
G1	Y	7	Yes	Start	11.94
G1	Y	8	Yes	Start	14.56
G1	Y	9	Yes	Start	19.66

1.3 Mass

Table 1.4 - Mass Source

Name	Include Elements	Include Added Mass	Include Loads	Include Lateral	Include Vertical	Lump at Stories	IsDefault	Load Pattern	Multiplier
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	PP	1
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	CA	1

Table 1.5 - Centers of Mass and Rigidity

Story	Diaphragm	Mass X tonf-s²/m	Mass Y tonf-s²/m	XCM m	YCM m	Cumulative X tonf-s²/m	Cumulative Y tonf-s²/m	XCCM m	YCCM m	XCR m	YCR m
CUBIERTA	D1	2.34339	2.34339	4.6576	9.9252	2.34339	2.34339	4.6576	9.9252		

Table 1.6 - Mass Summary by Diaphragm

Story	Diaphragm	Mass X tonf-s²/m	Mass Y tonf-s²/m	Mass Moment of Inertia tonf-m-s²	X Mass Center m	Y Mass Center m
CUBIERTA	D1	2.34339	2.34339	135.6826	4.6576	9.9252

Table 1.7 - Mass Summary by Story

Story	UX tonf-s²/m	UY tonf-s²/m	UZ tonf-s²/m
CUBIERTA	3.63461	3.63461	0
Base	0.74396	0.74396	0

1.4 Groups

Table 1.8 - Group Definitions

Name	Color
All	Yellow
DERIVAS	Red
Group1	Fuchsia
Group2	Orange
Group3	Aqua

Table 1.9 - Group Assignments

Name	Object Type	Unique Name	Label	Story
DERIVAS	Point	1	562	Base
DERIVAS	Point	2	562	CUBIERTA
DERIVAS	Point	5	617	Base
DERIVAS	Point	6	617	CUBIERTA
DERIVAS	Point	7	635	Base
DERIVAS	Point	8	635	CUBIERTA
DERIVAS	Point	11	905	Base
DERIVAS	Point	12	905	CUBIERTA
DERIVAS	Point	13	907	Base
DERIVAS	Point	14	907	CUBIERTA
DERIVAS	Point	25	1655	Base
DERIVAS	Point	26	1655	CUBIERTA

2 Properties

This chapter provides property information for materials, frame sections, shell sections, and links.

2.1 Materials

Table 2.1 - Material Properties - Summary

Name	Type	E tonf/m²	v	Unit Weight tonf/m³	Design Strengths
21MPA	Concrete	1787200	0.2	2.4	Fc=2100 tonf/m²
A615Gr60	Rebar	20389020	0	7.85	Fy=42164.18 tonf/m², Fu=63276.27 tonf/m²
SNN MET	Steel	20389020	0.3	0	Fy=35153.48 tonf/m², Fu=45699.53 tonf/m²

2.2 Frame Sections

Table 2.2 - Frame Sections - Summary

Name	Material	Shape
C2020	21MPA	Concrete Rectangular
C2040	21MPA	Concrete Rectangular
C2060	21MPA	Concrete Rectangular
Correa	SNN MET	Steel Channel
CRUJIA 1	SNN MET	Steel I/Wide Flange
V2030	21MPA	Concrete Rectangular
V2035	21MPA	Concrete Rectangular

2.3 Shell Sections

Table 2.3 - Shell Sections - Summary

Name	Design Type	Element Type	Material	Total Thickness m
CUB	Slab	Membrane	SNN MET	0.0001

3 Assignments

This chapter provides a listing of the assignments applied to the model.

3.1 Joint Assignments

Table 3.1 - Joint Assignments - Summary

Story	Label	Unique Name	Diaphragm	Restraints
CUBIERTA	562	2	D1	
CUBIERTA	614	4	D1	
CUBIERTA	617	6	D1	
CUBIERTA	635	8	D1	
CUBIERTA	642	10	D1	
CUBIERTA	905	12	D1	
CUBIERTA	907	14	D1	
CUBIERTA	1555	16	D1	
CUBIERTA	1556	18	D1	
CUBIERTA	1557	20	D1	
CUBIERTA	1558	22	D1	
CUBIERTA	1559	24	D1	
CUBIERTA	1651	34	D1	
CUBIERTA	1653	28	D1	
CUBIERTA	1655	26	D1	
CUBIERTA	1657	30	D1	
CUBIERTA	1659	32	D1	
CUBIERTA	1661	33	D1	
CUBIERTA	1951	35	D1	
CUBIERTA	1952	36	D1	
CUBIERTA	1953	37	D1	
CUBIERTA	1963	38	D1	
CUBIERTA	1964	39	D1	
CUBIERTA	1965	40	D1	
CUBIERTA	1966	41	D1	
CUBIERTA	1967	42	D1	
CUBIERTA	1968	43	D1	
CUBIERTA	1969	44	D1	
CUBIERTA	1990	45	D1	
CUBIERTA	1991	46	D1	
CUBIERTA	1992	47	D1	
CUBIERTA	1993	48	D1	
CUBIERTA	1994	49	D1	
CUBIERTA	1995	50	D1	
CUBIERTA	1996	51	D1	
CUBIERTA	1997	52	D1	
CUBIERTA	1998	53	D1	
CUBIERTA	2065	54	D1	
CUBIERTA	2066	55	D1	
CUBIERTA	2245	56	D1	
CUBIERTA	2246	59	D1	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
CUBIERTA	2247	60	D1	
CUBIERTA	2248	94	D1	
CUBIERTA	2249	107	D1	
CUBIERTA	2250	106	D1	
CUBIERTA	2251	130	D1	
CUBIERTA	2252	143	D1	
CUBIERTA	2253	144	D1	
CUBIERTA	2254	60	D1	
CUBIERTA	2255	61	D1	
CUBIERTA	2256	62	D1	
CUBIERTA	2257	96	D1	
CUBIERTA	2258	109	D1	
CUBIERTA	2259	110	D1	
CUBIERTA	2260	132	D1	
CUBIERTA	2261	145	D1	
CUBIERTA	2262	146	D1	
CUBIERTA	2263	62	D1	
CUBIERTA	2264	63	D1	
CUBIERTA	2265	64	D1	
CUBIERTA	2266	96	D1	
CUBIERTA	2267	111	D1	
CUBIERTA	2268	112	D1	
CUBIERTA	2269	134	D1	
CUBIERTA	2270	147	D1	
CUBIERTA	2271	148	D1	
CUBIERTA	2272	64	D1	
CUBIERTA	2273	65	D1	
CUBIERTA	2274	66	D1	
CUBIERTA	2275	100	D1	
CUBIERTA	2276	113	D1	
CUBIERTA	2277	114	D1	
CUBIERTA	2278	136	D1	
CUBIERTA	2279	149	D1	
CUBIERTA	2280	150	D1	
CUBIERTA	2281	66	D1	
CUBIERTA	2282	67	D1	
CUBIERTA	2283	66	D1	
CUBIERTA	2284	102	D1	
CUBIERTA	2285	115	D1	
CUBIERTA	2286	116	D1	
CUBIERTA	2287	138	D1	
CUBIERTA	2288	151	D1	
CUBIERTA	2289	152	D1	
CUBIERTA	2290	66	D1	
CUBIERTA	2291	69	D1	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
CUBIERTA	2292	90	D1	
CUBIERTA	2293	104	D1	
CUBIERTA	2294	117	D1	
CUBIERTA	2295	118	D1	
CUBIERTA	2296	140	D1	
CUBIERTA	2297	153	D1	
CUBIERTA	2298	154	D1	
CUBIERTA	2299	70	D1	
CUBIERTA	2300	71	D1	
CUBIERTA	2301	92	D1	
CUBIERTA	2302	106	D1	
CUBIERTA	2303	119	D1	
CUBIERTA	2304	120	D1	
CUBIERTA	2305	142	D1	
CUBIERTA	2306	155	D1	
CUBIERTA	2307	156	D1	
CUBIERTA	2308	56	D1	
CUBIERTA	2309	57	D1	
CUBIERTA	2310	159	D1	
CUBIERTA	2311	161	D1	
CUBIERTA	2312	162	D1	
CUBIERTA	2313	163	D1	
CUBIERTA	2314	166	D1	
CUBIERTA	2315	167	D1	
CUBIERTA	2316	168	D1	
Base	562	1	From Area	UX; UY; UZ; RX; RY; RZ
Base	614	3	From Area	UX; UY; UZ; RX; RY; RZ
Base	617	5	From Area	UX; UY; UZ; RX; RY; RZ
Base	635	7	From Area	UX; UY; UZ; RX; RY; RZ
Base	642	9	From Area	UX; UY; UZ; RX; RY; RZ
Base	905	11	From Area	UX; UY; UZ; RX; RY; RZ
Base	907	13	From Area	UX; UY; UZ; RX; RY; RZ
Base	1555	15	From Area	UX; UY; UZ; RX; RY; RZ
Base	1556	17	From Area	UX; UY; UZ; RX; RY; RZ
Base	1557	19	From Area	UX; UY; UZ; RX; RY; RZ
Base	1558	21	From Area	UX; UY; UZ; RX; RY; RZ
Base	1559	23	From Area	UX; UY; UZ; RX; RY; RZ
Base	1653	27	From Area	UX; UY; UZ; RX; RY; RZ
Base	1655	25	From Area	UX; UY; UZ; RX; RY; RZ
Base	1657	29	From Area	UX; UY; UZ; RX; RY; RZ
Base	1659	31	From Area	UX; UY; UZ; RX; RY; RZ

Table 3.2 - Joint Assignments - Restraints

Tower	Story	Label	Unique Name	UX	UY	UZ	RX	RY	RZ
	Base	562	1	Yes	Yes	Yes	Yes	Yes	Yes
	Base	614	3	Yes	Yes	Yes	Yes	Yes	Yes
	Base	617	5	Yes	Yes	Yes	Yes	Yes	Yes
	Base	635	7	Yes	Yes	Yes	Yes	Yes	Yes
	Base	642	9	Yes	Yes	Yes	Yes	Yes	Yes
	Base	905	11	Yes	Yes	Yes	Yes	Yes	Yes
	Base	907	13	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1555	15	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1556	17	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1557	19	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1558	21	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1559	23	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1653	27	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1655	25	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1657	29	Yes	Yes	Yes	Yes	Yes	Yes
	Base	1659	31	Yes	Yes	Yes	Yes	Yes	Yes

3.2 Frame Assignments

Table 3.3 - Frame Assignments - Summary

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
CUBIERTA	C2	1	Column	3.6	C2060	N/A	90	11	No
CUBIERTA	C7	2	Column	3.6	C2060	N/A		11	No
CUBIERTA	C26	3	Column	3.6	C2060	N/A	90	11	No
CUBIERTA	C27	4	Column	3.6	C2060	N/A	90	11	No
CUBIERTA	C28	5	Column	3.6	C2060	N/A		11	No
CUBIERTA	C34	6	Column	3.6	C2060	N/A	90	11	No
CUBIERTA	C35	7	Column	3.6	C2040	N/A		11	No
CUBIERTA	C36	8	Column	3.6	C2040	N/A		11	No
CUBIERTA	C37	9	Column	3.6	C2040	N/A		11	No
CUBIERTA	C38	10	Column	3.6	C2040	N/A		11	No
CUBIERTA	C39	11	Column	3.6	C2040	N/A		11	No
CUBIERTA	C40	12	Column	3.6	C2040	N/A		11	No
CUBIERTA	C43	14	Column	3.6	C2020	N/A		11	No
CUBIERTA	C44	13	Column	3.6	C2020	N/A		11	No
CUBIERTA	C45	15	Column	3.6	C2020	N/A		11	No
CUBIERTA	C46	16	Column	3.6	C2020	N/A		11	No
CUBIERTA	B136	17	Beam	9.52	V2035	N/A		11	No
CUBIERTA	B140	18	Beam	9.67	V2035	N/A		11	No
CUBIERTA	B141	19	Beam	6.7	V2035	N/A		11	No
CUBIERTA	B142	20	Beam	2	V2035	N/A		11	No
CUBIERTA	B144	21	Beam	0.67	V2030	N/A		11	No
CUBIERTA	B145	22	Beam	2.27	V2030	N/A		11	No
CUBIERTA	B340	23	Beam	3	V2030	N/A		11	No

Table 3.3 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
CUBIERTA	B341	24	Beam	3	V2030	N/A		11	No
CUBIERTA	B342	25	Beam	1.4	V2030	N/A		11	No
CUBIERTA	B343	26	Beam	1.6	V2030	N/A		11	No
CUBIERTA	B344	27	Beam	2.64	V2030	N/A		11	No
CUBIERTA	B345	28	Beam	1.17	V2030	N/A		11	No
CUBIERTA	B346	29	Beam	2.61	V2030	N/A		11	No
CUBIERTA	B347	30	Beam	2	V2030	N/A		11	No
CUBIERTA	B348	31	Beam	9.67	V2035	N/A		11	No
CUBIERTA	B456	32	Beam	5.41	V2035	N/A		11	No
CUBIERTA	B490	33	Beam	2.61	V2035	N/A		11	No
CUBIERTA	B721	34	Beam	1.5	V2035	N/A		11	No
CUBIERTA	B769	36	Beam	6.7	V2035	N/A		11	No
CUBIERTA	B1012	37	Beam	2	V2030	N/A		11	No
CUBIERTA	B1130	38	Beam	6.7	V2035	N/A		11	No
CUBIERTA	B1239	39	Beam	2	V2035	N/A		11	No
CUBIERTA	B1242	40	Beam	6.7	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1243	41	Beam	2	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1456	42	Beam	6.7	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1492	43	Beam	2	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1526	44	Beam	6.7	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1621	45	Beam	2	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1622	46	Beam	6.7	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1625	47	Beam	2	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1627	48	Beam	6.7	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1656	49	Beam	2	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1659	50	Beam	6.7	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1660	51	Beam	2	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1661	52	Beam	6.7	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1662	53	Beam	2	CRUJIA 1	N/A		11	Yes
CUBIERTA	B1932	55	Beam	3.6	Correa	N/A		11	Yes
CUBIERTA	B1933	62	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1934	69	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1935	76	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1936	83	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1937	90	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1938	97	Beam	2.24	Correa	N/A		11	Yes
CUBIERTA	B1939	104	Beam	1.39	Correa	N/A		11	Yes
CUBIERTA	B1940	56	Beam	3.6	Correa	N/A		11	Yes
CUBIERTA	B1941	63	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1942	70	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1943	77	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1944	84	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1945	91	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1946	98	Beam	2.24	Correa	N/A		11	Yes

Table 3.3 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
CUBIERTA	B1947	105	Beam	1.39	Correa	N/A		11	Yes
CUBIERTA	B1948	57	Beam	3.6	Correa	N/A		11	Yes
CUBIERTA	B1949	64	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1950	71	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1951	78	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1952	85	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1953	92	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1954	99	Beam	2.24	Correa	N/A		11	Yes
CUBIERTA	B1955	106	Beam	1.39	Correa	N/A		11	Yes
CUBIERTA	B1956	58	Beam	3.6	Correa	N/A		11	Yes
CUBIERTA	B1957	65	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1958	72	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1959	79	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1960	86	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1961	93	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1962	100	Beam	2.24	Correa	N/A		11	Yes
CUBIERTA	B1963	107	Beam	1.39	Correa	N/A		11	Yes
CUBIERTA	B1964	59	Beam	3.6	Correa	N/A		11	Yes
CUBIERTA	B1965	66	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1966	73	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1967	80	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1968	87	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1969	94	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1970	101	Beam	2.24	Correa	N/A		11	Yes
CUBIERTA	B1971	108	Beam	1.39	Correa	N/A		11	Yes
CUBIERTA	B1972	60	Beam	3.6	Correa	N/A		11	Yes
CUBIERTA	B1973	67	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1974	74	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1975	81	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1976	88	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1977	95	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1978	102	Beam	2.24	Correa	N/A		11	Yes
CUBIERTA	B1979	109	Beam	1.39	Correa	N/A		11	Yes
CUBIERTA	B1980	61	Beam	3.6	Correa	N/A		11	Yes
CUBIERTA	B1981	68	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1982	75	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1983	82	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1984	89	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1985	96	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1986	103	Beam	2.24	Correa	N/A		11	Yes
CUBIERTA	B1987	110	Beam	1.39	Correa	N/A		11	Yes
CUBIERTA	B1988	54	Beam	2.1	Correa	N/A		11	Yes
CUBIERTA	B1989	111	Beam	3.24	Correa	N/A		11	Yes
CUBIERTA	B1990	112	Beam	2.16	Correa	N/A		11	Yes

Table 3.3 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
CUBIERTA	B1991	113	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1992	114	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1993	115	Beam	2.16	Correa	N/A		11	Yes
CUBIERTA	B1994	116	Beam	2.24	Correa	N/A		11	Yes
CUBIERTA	B1995	117	Beam	1.39	Correa	N/A		11	Yes

Table 3.4 - Frame Assignments - Releases (Part 1 of 2)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	C2	1	Column	None	None	None	None	None	None			
CUBIERTA	C7	2	Column	None	None	None	None	None	None			
CUBIERTA	C26	3	Column	None	None	None	None	None	None			
CUBIERTA	C27	4	Column	None	None	None	None	None	None			
CUBIERTA	C28	5	Column	None	None	None	None	None	None			
CUBIERTA	C34	6	Column	None	None	None	None	None	None			
CUBIERTA	C35	7	Column	None	None	None	None	None	None			
CUBIERTA	C36	8	Column	None	None	None	None	None	None			
CUBIERTA	C37	9	Column	None	None	None	None	None	None			
CUBIERTA	C38	10	Column	None	None	None	None	None	None			
CUBIERTA	C39	11	Column	None	None	None	None	None	None			
CUBIERTA	C40	12	Column	None	None	None	None	None	None			
CUBIERTA	C43	14	Column	None	None	None	None	None	None			
CUBIERTA	C44	13	Column	None	None	None	None	None	None			
CUBIERTA	C45	15	Column	None	None	None	None	None	None			
CUBIERTA	C46	16	Column	None	None	None	None	None	None			
CUBIERTA	B136	17	Beam	None	None	None	None	None	None			
CUBIERTA	B140	18	Beam	None	None	None	None	None	None			
CUBIERTA	B141	19	Beam	None	None	None	None	None	None			
CUBIERTA	B142	20	Beam	None	None	None	None	None	None			
CUBIERTA	B144	21	Beam	None	None	None	None	None	None			
CUBIERTA	B145	22	Beam	None	None	None	None	None	None			
CUBIERTA	B340	23	Beam	None	None	None	None	None	None			
CUBIERTA	B341	24	Beam	None	None	None	None	None	None			
CUBIERTA	B342	25	Beam	None	None	None	None	None	None			
CUBIERTA	B343	26	Beam	None	None	None	None	None	None			
CUBIERTA	B344	27	Beam	None	None	None	None	None	None			
CUBIERTA	B345	28	Beam	None	None	None	None	None	None			
CUBIERTA	B346	29	Beam	None	None	None	None	None	None			
CUBIERTA	B347	30	Beam	None	None	None	None	None	None			
CUBIERTA	B348	31	Beam	None	None	None	None	None	None			
CUBIERTA	B456	32	Beam	None	None	None	None	None	None			
CUBIERTA	B490	33	Beam	None	None	None	None	None	None			
CUBIERTA	B721	34	Beam	None	None	None	None	None	None			

Table 3.4 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B769	36	Beam	None	None	None	None	None	None			
CUBIERTA	B1012	37	Beam	None	None	None	None	None	None			
CUBIERTA	B1130	38	Beam	None	None	None	None	None	None			
CUBIERTA	B1239	39	Beam	None	None	None	None	None	None			
CUBIERTA	B1242	40	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1243	41	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1456	42	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1492	43	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1526	44	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1621	45	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1622	46	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1625	47	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1627	48	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1658	49	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1659	50	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1660	51	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1661	52	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1662	53	Beam	None	None	None	End J	Both	Both			
CUBIERTA	B1932	55	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1933	62	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1934	69	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1935	76	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1936	83	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1937	90	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1938	97	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1939	104	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1940	56	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1941	63	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1942	70	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1943	77	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1944	84	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1945	91	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1946	98	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1947	105	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1948	57	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1949	64	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1950	71	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1951	78	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1952	85	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1953	92	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1954	99	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1955	106	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1956	58	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1957	65	Beam	None	None	None	End I	Both	Both			

Table 3.4 - Frame Assignments - Releases (Part 1 of 2, continued)

Story	Label	Unique Name	Design Type	P	V2	V3	T	M2	M3	Partial P I-end tonf/m	Partial V2 I-end tonf/m	Partial V3 I-end tonf/m
CUBIERTA	B1958	72	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1959	79	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1960	86	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1961	93	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1962	100	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1963	107	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1964	59	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1965	66	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1966	73	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1967	80	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1968	87	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1969	94	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1970	101	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1971	108	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1972	60	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1973	67	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1974	74	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1975	81	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1976	88	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1977	95	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1978	102	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1979	109	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1980	61	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1981	68	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1982	75	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1983	82	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1984	89	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1985	96	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1986	103	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1987	110	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1988	54	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1989	111	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1990	112	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1991	113	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1992	114	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1993	115	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1994	116	Beam	None	None	None	End I	Both	Both			
CUBIERTA	B1995	117	Beam	None	None	None	End I	Both	Both			

Table 3.4 - Frame Assignments - Releases (Part 2 of 2)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	C2	1								
CUBIERTA	C7	2								
CUBIERTA	C26	3								
CUBIERTA	C27	4								
CUBIERTA	C28	5								
CUBIERTA	C34	6								
CUBIERTA	C35	7								
CUBIERTA	C36	8								
CUBIERTA	C37	9								
CUBIERTA	C38	10								
CUBIERTA	C39	11								
CUBIERTA	C40	12								
CUBIERTA	C43	14								
CUBIERTA	C44	13								
CUBIERTA	C45	15								
CUBIERTA	C46	16								
CUBIERTA	B136	17								
CUBIERTA	B140	18								
CUBIERTA	B141	19								
CUBIERTA	B142	20								
CUBIERTA	B144	21								
CUBIERTA	B145	22								
CUBIERTA	B340	23								
CUBIERTA	B341	24								
CUBIERTA	B342	25								
CUBIERTA	B343	26								
CUBIERTA	B344	27								
CUBIERTA	B345	28								
CUBIERTA	B346	29								
CUBIERTA	B347	30								
CUBIERTA	B348	31								
CUBIERTA	B456	32								
CUBIERTA	B490	33								
CUBIERTA	B721	34								
CUBIERTA	B769	36								
CUBIERTA	B1012	37								
CUBIERTA	B1130	38								
CUBIERTA	B1239	39								
CUBIERTA	B1242	40								
CUBIERTA	B1243	41								
CUBIERTA	B1456	42								
CUBIERTA	B1492	43								
CUBIERTA	B1526	44								
CUBIERTA	B1621	45								

Table 3.4 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B1622	46								
CUBIERTA	B1625	47								
CUBIERTA	B1627	48								
CUBIERTA	B1656	49								
CUBIERTA	B1659	50								
CUBIERTA	B1660	51								
CUBIERTA	B1661	52								
CUBIERTA	B1662	53								
CUBIERTA	B1932	55								
CUBIERTA	B1933	62								
CUBIERTA	B1934	69								
CUBIERTA	B1935	76								
CUBIERTA	B1936	83								
CUBIERTA	B1937	90								
CUBIERTA	B1938	97								
CUBIERTA	B1939	104								
CUBIERTA	B1940	56								
CUBIERTA	B1941	63								
CUBIERTA	B1942	70								
CUBIERTA	B1943	77								
CUBIERTA	B1944	84								
CUBIERTA	B1945	91								
CUBIERTA	B1946	98								
CUBIERTA	B1947	105								
CUBIERTA	B1948	57								
CUBIERTA	B1949	64								
CUBIERTA	B1950	71								
CUBIERTA	B1951	78								
CUBIERTA	B1952	85								
CUBIERTA	B1953	92								
CUBIERTA	B1954	99								
CUBIERTA	B1955	106								
CUBIERTA	B1956	58								
CUBIERTA	B1957	65								
CUBIERTA	B1958	72								
CUBIERTA	B1959	79								
CUBIERTA	B1960	86								
CUBIERTA	B1961	93								
CUBIERTA	B1962	100								
CUBIERTA	B1963	107								
CUBIERTA	B1964	59								
CUBIERTA	B1965	66								

Table 3.4 - Frame Assignments - Releases (Part 2 of 2, continued)

Story	Label	Unique Name	Partial T I-end tonf-m/rad	Partial M2 I-end tonf-m/rad	Partial M3 I-end tonf-m/rad	Partial P J-end tonf/m	Partial V2 J-end tonf/m	Partial V3 J-end tonf/m	Partial T J-end tonf-m/rad	Partial M2 J-end tonf-m/rad
CUBIERTA	B1966	73								
CUBIERTA	B1967	60								
CUBIERTA	B1968	67								
CUBIERTA	B1969	94								
CUBIERTA	B1970	101								
CUBIERTA	B1971	108								
CUBIERTA	B1972	60								
CUBIERTA	B1973	67								
CUBIERTA	B1974	74								
CUBIERTA	B1975	61								
CUBIERTA	B1976	68								
CUBIERTA	B1977	95								
CUBIERTA	B1978	102								
CUBIERTA	B1979	109								
CUBIERTA	B1980	61								
CUBIERTA	B1981	68								
CUBIERTA	B1982	75								
CUBIERTA	B1983	82								
CUBIERTA	B1984	89								
CUBIERTA	B1985	96								
CUBIERTA	B1986	103								
CUBIERTA	B1987	110								
CUBIERTA	B1988	54								
CUBIERTA	B1989	111								
CUBIERTA	B1990	112								
CUBIERTA	B1991	113								
CUBIERTA	B1992	114								
CUBIERTA	B1993	115								
CUBIERTA	B1994	116								
CUBIERTA	B1995	117								

3.3 Shell Assignments

Table 3.5 - Shell Assignments - Summary

Story	Label	Unique Name	Section
CUBIERTA	F1	1	CUB
CUBIERTA	F11	2	CUB
CUBIERTA	F19	3	CUB
CUBIERTA	F25	4	CUB

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Patterns

Name	Type	Self Weight Multiplier	Auto Load
PP	Dead	1	
CA	Dead	0	
CV	Live	0	
W	Wind	0	None
G	Snow	0	

4.2 Applied Loads

4.2.1 Line Loads

Table 4.2 - Frame Loads - Distributed

Story	Label	Unique Name	Design Type	Load Pattern	LoadType	Direction	Relative Distance Start	Relative Distance End	Absolute Distance Start m	Absolute Distance End m	Force at Start tonf/m	Force at End tonf/m
CUBIERTA	B144	21	Beam	CA	Force	Gravity	0	1	0	0.67	0.105	0.105
CUBIERTA	B144	21	Beam	CV	Force	Gravity	0	1	0	0.67	0.05	0.05
CUBIERTA	B144	21	Beam	W	Force	Gravity	0	1	0	0.67	0.069	0.069
CUBIERTA	B144	21	Beam	G	Force	Gravity	0	1	0	0.67	0.05	0.05

4.2.2 Area Loads

Table 4.3 - Shell Loads - Uniform

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m²
CUBIERTA	F1	1	CA	Gravity	0.105
CUBIERTA	F11	2	CA	Gravity	0.105
CUBIERTA	F19	3	CA	Gravity	0.105
CUBIERTA	F25	4	CA	Gravity	0.105
CUBIERTA	F1	1	CV	Gravity	0.05
CUBIERTA	F11	2	CV	Gravity	0.05
CUBIERTA	F19	3	CV	Gravity	0.05
CUBIERTA	F25	4	CV	Gravity	0.05
CUBIERTA	F1	1	W	Gravity	0.069
CUBIERTA	F11	2	W	Gravity	0.069
CUBIERTA	F19	3	W	Gravity	0.069
CUBIERTA	F25	4	W	Gravity	0.069

Table 4.3 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m²
CUBIERTA	F1	1	G	Gravity	0.05
CUBIERTA	F11	2	G	Gravity	0.05
CUBIERTA	F19	3	G	Gravity	0.05
CUBIERTA	F25	4	G	Gravity	0.05

4.3 Functions

4.3.1 Response Spectrum Functions

Table 4.4 - Response Spectrum Function - User

Name	Period sec	Acceleration	Damping %
ESP	0	0.394	5
ESP	0.098	0.394	
ESP	0.196	0.394	
ESP	0.295	0.394	
ESP	0.393	0.394	
ESP	0.491	0.394	
ESP	0.589	0.394	
ESP	0.687	0.394	
ESP	0.786	0.394	
ESP	0.884	0.394	
ESP	0.982	0.394	
ESP	1.08	0.394	
ESP	1.178	0.394	
ESP	1.277	0.394	
ESP	1.375	0.394	
ESP	1.473	0.394	
ESP	1.571	0.394	
ESP	1.669	0.394	
ESP	1.768	0.394	
ESP	1.872	0.372	
ESP	1.976	0.352	
ESP	2.08	0.335	
ESP	2.185	0.319	
ESP	2.289	0.304	
ESP	2.393	0.291	
ESP	2.498	0.279	
ESP	2.602	0.266	
ESP	2.706	0.257	
ESP	2.81	0.246	
ESP	2.915	0.239	
ESP	3.019	0.231	
ESP	3.123	0.223	
ESP	3.227	0.216	
ESP	3.332	0.209	

Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
ESP	3.436	0.203	
ESP	3.54	0.197	
ESP	3.644	0.191	
ESP	3.749	0.186	
ESP	3.853	0.181	
ESP	3.957	0.176	
ESP	4.062	0.171	
ESP	4.166	0.167	
ESP	4.27	0.163	
ESP	4.374	0.159	
ESP	4.479	0.155	
ESP	4.583	0.152	
ESP	4.687	0.148	
ESP	4.791	0.145	
ESP	4.896	0.142	
ESP	5	0.139	
ESP	6.75	0.045	
ESP	12.5	0.022	
ESP	16.25	0.013	
ESP	20	0.009	
ESP	23.75	0.006	
ESP	27.5	0.005	
ESP	31.25	0.004	
ESP	35	0.003	
ESP	38.75	0.002	
ESP	42.5	0.002	
ESP	46.25	0.002	
ESP	50	0.001	
ESPDANO	0	0.06	2
ESPDANO	0.053	0.1667	
ESPDANO	0.107	0.2533	
ESPDANO	0.16	0.34	
ESPDANO	0.213	0.4267	
ESPDANO	0.267	0.5133	
ESPDANO	0.32	0.6	
ESPDANO	0.376	0.6	
ESPDANO	0.431	0.6	
ESPDANO	0.487	0.6	
ESPDANO	0.543	0.6	
ESPDANO	0.598	0.6	
ESPDANO	0.654	0.6	
ESPDANO	0.71	0.6	
ESPDANO	0.765	0.6	
ESPDANO	0.821	0.6	
ESPDANO	0.877	0.6	

Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
ESPDANO	0.932	0.6	
ESPDANO	0.966	0.6	
ESPDANO	1.044	0.6	
ESPDANO	1.089	0.6	
ESPDANO	1.155	0.6	
ESPDANO	1.21	0.6	
ESPDANO	1.266	0.6	
ESPDANO	1.322	0.6	
ESPDANO	1.377	0.6	
ESPDANO	1.433	0.6	
ESPDANO	1.489	0.6	
ESPDANO	1.544	0.6	
ESPDANO	1.6	0.6	
ESPDANO	1.77	0.5424	
ESPDANO	1.94	0.4945	
ESPDANO	2.11	0.455	
ESPDANO	2.28	0.4211	
ESPDANO	2.45	0.3916	
ESPDANO	2.62	0.3664	
ESPDANO	2.79	0.3441	
ESPDANO	2.96	0.3243	
ESPDANO	3.13	0.3067	
ESPDANO	3.3	0.2909	
ESPDANO	3.47	0.2767	
ESPDANO	3.64	0.2637	
ESPDANO	3.81	0.252	
ESPDANO	3.96	0.2412	
ESPDANO	4.15	0.2313	
ESPDANO	4.32	0.2222	
ESPDANO	4.49	0.2138	
ESPDANO	4.66	0.206	
ESPDANO	4.83	0.1988	
ESPDANO	5	0.192	
ESPDANO	7	0.096	
ESPDANO	8	0.075	
ESPDANO	9	0.0593	
ESPDANO	10	0.048	
ESPDANO	12	0.0333	
ESPDANO	15	0.0213	
ESPDANO	30	0.005333	
ESPDANO	35	0.003918	
ESPDANO	40	0.003	
ESPDANO	50	0.00192	

4.4 Load Cases

Table 4.5 - Load Cases - Summary

Name	Type
PP	Linear Static
CA	Linear Static
CV	Linear Static
W	Linear Static
SX	Response Spectrum
SY	Response Spectrum
G	Linear Static
SXD	Response Spectrum
SYD	Response Spectrum

Table 4.6 - Load Cases - Static - Linear

Name	Stiffness From	Mass Source	Load Type	Load Name	Scale Factor	Design Load Type
PP	Preset P-delta	MsSrc1	Load Pattern	PP	1	Program Determined
CA	Preset P-delta	MsSrc1	Load Pattern	CA	1	Program Determined
CV	Preset P-delta	MsSrc1	Load Pattern	CV	1	Program Determined
W	Preset P-delta	MsSrc1	Load Pattern	W	1	Program Determined
G	Preset P-delta	MsSrc1	Load Pattern	G	1	Program Determined

Table 4.7 - Load Cases - Modal - Ritz

Name	Stiffness From	Mass Source	Load Type	Load Name	Max Cycles	Target Participation %	Max Number Modes	Min Number Modes	Design Load Type
Modal	Preset P-delta	MsSrc1	Acceleration	UX	0	100	24	18	Program Determined
Modal			Acceleration	UY	0	100			

Table 4.8 - Load Cases - Response Spectrum (Part 1 of 2)

Name	Mass Source	Load Type	Load Name	Function	Scale Factor	Coordinate System	Angle deg	Modal Case	Modal Combination Method
SX	Previous (MsSrc1)	Acceleration	U1	ESP	9.81	Global	0	Modal	CQC
SY	Previous (MsSrc1)	Acceleration	U2	ESP	9.81	Global	0	Modal	CQC
SXD	Previous (MsSrc1)	Acceleration	U1	ESPDANO	9.81	Global	0	Modal	CQC
SYD	Previous (MsSrc1)	Acceleration	U2	ESPDANO	9.81	Global	0	Modal	CQC

Table 4.8 - Load Cases - Response Spectrum (Part 2 of 2)

Name	Include Rigid Response	Directional Combination Method	Design Load Type	Eccentricity Ratio	Eccentricity Overrides	Constant Damping
SX	No	SRSS	Program Determined	0	No	0.05
SY	No	SRSS	Program Determined	0	No	0.05
SXD	No	SRSS	Program Determined	0	No	0.02
SYD	No	SRSS	Program Determined	0	No	0.02

Table 4.9 - P-delta Options

Automation Method
None

4.5 Load Combinations

Table 4.10 - Load Combinations

Name	Load Case/Combo	Scale Factor	Type	Auto
CM	PP	1	Linear Add	No
CM	CA	1		No
DER1	CM	1.2	Linear Add	No
DER1	CV	1.6		No
DER2	CM	1.2	Linear Add	No
DER2	CV	1		No
DER2	SX	1		No
DER3	CM	1.2	Linear Add	No
DER3	CV	1		No
DER3	SX	-1		No
DER4	CM	1.2	Linear Add	No
DER4	CV	1		No
DER4	SY	1		No
DER5	CM	1.2	Linear Add	No
DER5	CV	1		No
DER5	SY	-1		No
DER6	CM	0.9	Linear Add	No
DER6	SX	1		No
DER7	CM	0.9	Linear Add	No
DER7	SX	-1		No
DER8	CM	0.9	Linear Add	No
DER8	SY	1		No
DER9	CM	0.9	Linear Add	No
DER9	SY	-1		No
COMB1	CM	1.2	Linear Add	No
COMB1	CV	1.6		No
COMB2	CM	1.2	Linear Add	No
COMB2	CV	1		No
COMB2	SX	0.25		No
COMB2	SY	0.06		No
COMB3	CM	1.2	Linear Add	No
COMB3	CV	1		No
COMB3	SX	0.25		No
COMB3	SY	-0.06		No
COMB4	CM	1.2	Linear Add	No
COMB4	CV	1		No
COMB4	SX	-0.25		No
COMB4	SY	0.06		No
COMB5	CM	1.2	Linear Add	No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMB5	SX	-0.25		No
COMB5	SY	-0.06		No
COMB5	CV	1		No
COMB6	CM	1.2	Linear Add	No
COMB6	SX	0.06		No
COMB6	SY	0.25		No
COMB6	CV	1		No
COMB7	CM	1.2	Linear Add	No
COMB7	SX	0.06		No
COMB7	SY	-0.25		No
COMB7	PP	1		No
COMB8	CM	1.2	Linear Add	No
COMB8	SX	-0.06		No
COMB8	SY	0.25		No
COMB8	CV	1		No
COMB9	CM	1.2	Linear Add	No
COMB9	SX	-0.06		No
COMB9	SY	-0.25		No
COMB9	CV	1		No
COMB10	CM	0.9	Linear Add	No
COMB10	SX	0.25		No
COMB10	SY	0.06		No
COMB11	CM	0.9	Linear Add	No
COMB11	SX	0.25		No
COMB11	SY	-0.06		No
COMB12	CM	0.9	Linear Add	No
COMB12	SX	-0.25		No
COMB12	SY	0.06		No
COMB13	CM	0.9	Linear Add	No
COMB13	SX	-0.25		No
COMB13	SY	-0.06		No
COMB14	CM	0.9	Linear Add	No
COMB14	SX	0.06		No
COMB14	SY	0.25		No
COMB15	CM	0.9	Linear Add	No
COMB15	SX	0.06		No
COMB15	SY	-0.25		No
CIM1	CM	1	Linear Add	No
CIM1	CV	1		No
CIM2	CM	1	Linear Add	No
CIM2	SX	0.15		No
CIM3	CM	1	Linear Add	No
CIM3	SY	0.15		No
CIM4	CM	1	Linear Add	No
CIM4	CV	0.75		No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
CIM4	SX	0.13		No
CIM5	CM	1	Linear Add	No
CIM5	CV	0.75		No
CIM5	SY	0.13		No
CIM6	CM	0.6	Linear Add	No
CIM6	SX	0.16		No
CIM7	CM	0.6	Linear Add	No
CIM7	SY	0.16		No
COMB16	CM	0.9	Linear Add	No
COMB16	SX	-0.06		No
COMB16	SY	0.25		No
COMB17	CM	0.9	Linear Add	No
COMB17	SX	-0.06		No
COMB17	SY	-0.25		No
COMB18	CM	1.4	Linear Add	No
DERUD1	CM	1.2	Linear Add	No
DERUD1	CV	1.6		No
DERUD2	CM	1.2	Linear Add	No
DERUD2	CV	1		No
DERUD2	SXD	1		No
DERUD3	CM	1.2	Linear Add	No
DERUD3	CV	1		No
DERUD3	SXD	-1		No
DERUD4	CM	1.2	Linear Add	No
DERUD4	CV	1		No
DERUD4	SYD	1		No
DERUD5	CM	1.2	Linear Add	No
DERUD5	CV	1		No
DERUD5	SYD	-1		No
DERUD6	CM	0.9	Linear Add	No
DERUD6	SXD	1		No
DERUD7	CM	0.9	Linear Add	No
DERUD7	SXD	-1		No
DERUD8	CM	0.9	Linear Add	No
DERUD8	SYD	1		No
DERUD9	CM	0.9	Linear Add	No
DERUD9	SYD	-1		No
COMBC1	CM	1.2	Linear Add	No
COMBC1	CV	1.6		No
COMBC2	CM	1.25	Linear Add	No
COMBC2	CV	1		No
COMBC2	SX	0.75		No
COMBC2	SY	0.23		No
COMBC4	CM	1.25	Linear Add	No
COMBC4	CV	1		No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMBC4	SX	0.75		No
COMBC4	SY	-0.23		No
COMBC6	CM	1.26	Linear Add	No
COMBC6	CV	1		No
COMBC6	SX	-0.75		No
COMBC6	SY	0.23		No
COMBC8	CM	1.26	Linear Add	No
COMBC8	CV	1		No
COMBC8	SX	-0.75		No
COMBC8	SY	-0.23		No
COMBC10	CM	1.26	Linear Add	No
COMBC10	CV	1		No
COMBC10	SX	0.23		No
COMBC10	SY	0.75		No
COMBC12	CM	1.26	Linear Add	No
COMBC12	CV	1		No
COMBC12	SX	0.23		No
COMBC12	SY	-0.75		No
COMBC14	CM	1.26	Linear Add	No
COMBC14	CV	1		No
COMBC14	SX	-0.23		No
COMBC14	SY	0.75		No
COMBC16	CM	1.26	Linear Add	No
COMBC16	CV	1		No
COMBC16	SX	-0.23		No
COMBC16	SY	-0.75		No
COMBC3	CM	1.12	Linear Add	No
COMBC3	CV	1		No
COMBC3	SX	0.75		No
COMBC3	SY	0.23		No
COMBC5	CM	1.12	Linear Add	No
COMBC5	CV	1		No
COMBC5	SX	0.75		No
COMBC5	SY	-0.23		No
COMBC7	CM	1.12	Linear Add	No
COMBC7	CV	1		No
COMBC7	SX	-0.75		No
COMBC7	SY	0.23		No
COMBC9	CM	1.12	Linear Add	No
COMBC9	CV	1		No
COMBC9	SX	-0.75		No
COMBC9	SY	-0.23		No
COMBC11	CM	1.12	Linear Add	No
COMBC11	CV	1		No
COMBC11	SX	0.23		No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMBC11	SY	0.75		No
COMBC13	CM	1.12	Linear Add	No
COMBC13	CV	1		No
COMBC13	SX	0.23		No
COMBC13	SY	-0.75		No
COMBC15	CM	1.12	Linear Add	No
COMBC15	CV	1		No
COMBC15	SX	-0.23		No
COMBC15	SY	0.75		No
COMBC17	CM	1.12	Linear Add	No
COMBC17	CV	1		No
COMBC17	SX	-0.23		No
COMBC17	SY	-0.75		No
COMBC18	CM	0.96	Linear Add	No
COMBC18	SX	0.75		No
COMBC18	SY	0.23		No
COMBC20	CM	0.96	Linear Add	No
COMBC20	SX	0.75		No
COMBC20	SY	-0.23		No
COMBC22	CM	0.96	Linear Add	No
COMBC22	SX	-0.75		No
COMBC22	SY	0.23		No
COMBC24	CM	0.96	Linear Add	No
COMBC24	SX	-0.75		No
COMBC24	SY	-0.23		No
COMBC26	CM	0.96	Linear Add	No
COMBC26	SX	0.23		No
COMBC26	SY	0.75		No
COMBC28	CM	0.96	Linear Add	No
COMBC28	SX	0.23		No
COMBC28	SY	-0.75		No
COMBC30	CM	0.96	Linear Add	No
COMBC30	SX	-0.23		No
COMBC30	SY	0.75		No
COMBC32	CM	0.96	Linear Add	No
COMBC32	SX	-0.23		No
COMBC32	SY	-0.75		No
COMBC19	CM	0.62	Linear Add	No
COMBC19	SX	0.75		No
COMBC19	SY	0.23		No
COMBC21	CM	0.62	Linear Add	No
COMBC21	SX	0.75		No
COMBC21	SY	-0.23		No
COMBC23	CM	0.62	Linear Add	No
COMBC23	SX	-0.75		No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMBC23	SY	0.23		No
COMBC25	CM	0.82	Linear Add	No
COMBC25	SX	-0.75		No
COMBC25	SY	-0.23		No
COMBC27	CM	0.82	Linear Add	No
COMBC27	SX	0.23		No
COMBC27	SY	0.75		No
COMBC29	CM	0.82	Linear Add	No
COMBC29	SX	0.23		No
COMBC29	SY	-0.75		No
COMBC31	CM	0.82	Linear Add	No
COMBC31	SX	-0.23		No
COMBC31	SY	0.75		No
COMBC33	CM	0.82	Linear Add	No
COMBC33	SX	-0.23		No
COMBC33	SY	-0.75		No
COMBV1	CM	1.2	Linear Add	No
COMBV1	CV	1.6		No
COMBV2	CM	1.2	Linear Add	No
COMBV2	CV	1		No
COMBV2	SX	0.5		No
COMBV2	SY	0.15		No
COMBV3	CM	1.2	Linear Add	No
COMBV3	CV	1		No
COMBV3	SX	0.5		No
COMBV3	SY	-0.15		No
COMBV4	CM	1.2	Linear Add	No
COMBV4	CV	1		No
COMBV4	SX	-0.5		No
COMBV4	SY	0.15		No
COMBV5	CM	1.2	Linear Add	No
COMBV5	CV	1		No
COMBV5	SX	-0.5		No
COMBV5	SY	-0.15		No
COMBV6	CM	1.2	Linear Add	No
COMBV6	CV	1		No
COMBV6	SX	0.15		No
COMBV6	SY	0.5		No
COMBV7	CM	1.2	Linear Add	No
COMBV7	CV	1		No
COMBV7	SX	0.15		No
COMBV7	SY	-0.5		No
COMBV8	CM	1.2	Linear Add	No
COMBV8	CV	1		No
COMBV8	SX	-0.15		No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
COMBV8	SY	0.5		No
COMBV9	CM	1.2	Linear Add	No
COMBV9	CV	1		No
COMBV9	SX	-0.15		No
COMBV9	SY	-0.5		No
COMBV10	CM	0.9	Linear Add	No
COMBV10	SX	0.5		No
COMBV10	SY	0.15		No
COMBV11	CM	0.9	Linear Add	No
COMBV11	SX	0.5		No
COMBV11	SY	-0.15		No
COMBV12	CM	0.9	Linear Add	No
COMBV12	SX	-0.5		No
COMBV12	SY	0.15		No
COMBV13	CM	0.9	Linear Add	No
COMBV13	SX	-0.5		No
COMBV13	SY	-0.15		No
COMBV14	CM	0.9	Linear Add	No
COMBV14	SX	0.15		No
COMBV14	SY	0.5		No
COMBV15	CM	0.9	Linear Add	No
COMBV15	SX	0.15		No
COMBV15	SY	-0.5		No
COMBV16	CM	0.9	Linear Add	No
COMBV16	SX	-0.15		No
COMBV16	SY	0.5		No
COMBV17	CM	0.9	Linear Add	No
COMBV17	SX	-0.15		No
COMBV17	SY	-0.5		No
ENV	COMB1	1	Envelope	No
ENV	COMB2	1		No
ENV	COMB3	1		No
ENV	COMB4	1		No
ENV	COMB5	1		No
ENV	COMB6	1		No
ENV	COMB7	1		No
ENV	COMB8	1		No
ENV	COMB9	1		No
ENV	COMB10	1		No
ENV	COMB11	1		No
ENV	COMB12	1		No
ENV	COMB13	1		No
ENV	COMB14	1		No
ENV	COMB15	1		No
ENV	COMB16	1		No

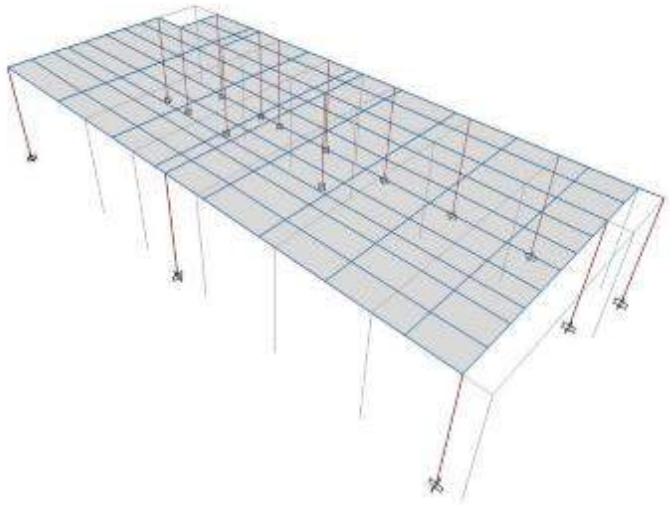
Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
ENV	COMB17	1		No
ENV	COMB18	1		No
ENVCIM	CIM1	1	Envelope	No
ENVCIM	CIM2	1		No
ENVCIM	CIM3	1		No
ENVCIM	CIM4	1		No
ENVCIM	CIM5	1		No
ENVCIM	CIM6	1		No
ENVCIM	CIM7	1		No
ENVC	COMBC1	1	Envelope	No
ENVC	COMBC2	1		No
ENVC	COMBC3	1		No
ENVC	COMBC4	1		No
ENVC	COMBC5	1		No
ENVC	COMBC6	1		No
ENVC	COMBC7	1		No
ENVC	COMBC8	1		No
ENVC	COMBC9	1		No
ENVC	COMBC10	1		No
ENVC	COMBC11	1		No
ENVC	COMBC12	1		No
ENVC	COMBC13	1		No
ENVC	COMBC14	1		No
ENVC	COMBC15	1		No
ENVC	COMBC16	1		No
ENVC	COMBC17	1		No
ENVC	COMBC18	1		No
ENVC	COMBC19	1		No
ENVC	COMBC20	1		No
ENVC	COMBC21	1		No
ENVC	COMBC22	1		No
ENVC	COMBC23	1		No
ENVC	COMBC24	1		No
ENVC	COMBC25	1		No
ENVC	COMBC26	1		No
ENVC	COMBC27	1		No
ENVC	COMBC28	1		No
ENVC	COMBC29	1		No
ENVC	COMBC30	1		No
ENVC	COMBC31	1		No
ENVC	COMBC32	1		No
ENVC	COMBC33	1		No
ENVV	COMBV1	1	Envelope	No
ENVV	COMBV2	1		No
ENVV	COMBV3	1		No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
ENVV	COMBV4	1		No
ENVV	COMBV5	1		No
ENVV	COMBV6	1		No
ENVV	COMBV7	1		No
ENVV	COMBV8	1		No
ENVV	COMBV9	1		No
ENVV	COMBV10	1		No
ENVV	COMBV11	1		No
ENVV	COMBV12	1		No
ENVV	COMBV13	1		No
ENVV	COMBV14	1		No
ENVV	COMBV15	1		No
ENVV	COMBV16	1		No
ENVV	COMBV17	1		No

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1 Analysis Results

This chapter provides analysis results.

1.1 Structure Results

Table 1.1 - Base Reactions

Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
PP	0	0	27.1214	274.0435	-137.5942	0	0	0	0
CA	0	0	17.7793	178.92	-76.5693	0	0	0	0
CV	0	0	8.2311	82.8333	-35.4467	0	0	0	0
SX Max	14.769	0.9097	0	3.4566	56.1952	152.1341	0	0	0
SY Max	0.9097	14.5931	0	55.4536	3.4566	55.9953	0	0	0
CIM1	0	0	53.1319	535.7969	-249.6122	0	0	0	0
CIM2 Max	2.662	0.1637	44.9007	453.5656	-204.0476	27.3641	0	0	0
CIM2 Min	-2.662	-0.1637	44.9007	452.3413	-224.2792	-27.3641	0	0	0
CIM3 Max	0.1637	2.6266	44.9007	462.9452	-213.5413	10.0792	0	0	0
CIM3 Min	-0.1637	-2.6266	44.9007	442.9619	-214.7657	-10.0792	0	0	0
CIM4 Max	1.9226	0.1183	51.0741	515.5379	-233.4443	19.7774	0	0	0
CIM4 Min	-1.9226	-0.1183	51.0741	514.6392	-246.0556	-19.7774	0	0	0
CIM5 Max	0.1183	1.8971	51.0741	522.2975	-240.3006	7.2794	0	0	0
CIM5 Min	-0.1183	-1.8971	51.0741	507.6796	-241.1994	-7.2794	0	0	0
CIM6 Max	2.662	0.1637	26.9404	272.4004	-116.3624	27.3641	0	0	0
CIM6 Min	-2.662	-0.1637	26.9404	271.1559	-136.6136	-27.3641	0	0	0
CIM7 Max	0.1637	2.6266	26.9404	281.7596	-127.8759	10.0792	0	0	0
CIM7 Min	-0.1637	-2.6266	26.9404	261.7965	-129.1203	-10.0792	0	0	0

1.2 Point Results

Table 1.2 - Joint Reactions

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	562	1	PP	0.2166	-0.3092	2.6676	0.3669	0.2305	-0.0004
Base	562	1	CA	0.2503	-0.5633	1.5565	0.7044	0.246	-3.074E-05
Base	562	1	CV	0.1159	-0.2606	0.7215	0.3261	0.1139	-1.423E-05
Base	562	1	SX Max	2.9717	0.0275	0.3653	0.0623	10.0295	0.0029
Base	562	1	SY Max	0.6756	0.4665	0.0946	1.0567	2.2799	0.0216
Base	562	1	CIM1	0.565	-1.1333	4.9476	1.4174	0.5904	-0.0005
Base	562	1	CIM2 Max	1.004	-0.8676	4.2916	1.1025	2.2615	4.409E-05
Base	562	1	CIM2 Min	-0.0656	-0.8775	4.1603	1.0601	-1.3268	-0.001
Base	562	1	CIM3 Max	0.5806	-0.7656	4.2431	1.2615	0.6869	0.0034
Base	562	1	CIM3 Min	0.3475	-0.9565	4.2091	0.9011	0.0662	-0.0044
Base	562	1	CIM4 Max	0.9423	-1.0645	4.6147	1.344	1.8656	-0.0001
Base	562	1	CIM4 Min	0.1697	-1.0717	4.7197	1.3276	-0.7419	-0.0009
Base	562	1	CIM5 Max	0.6439	-1.0075	4.7795	1.4733	0.8563	0.0023
Base	562	1	CIM5 Min	0.4682	-1.1256	4.7549	1.1965	0.2656	-0.0033
Base	562	1	CIM6 Max	0.5164	-0.5186	2.6014	0.666	2.0912	0.0002
Base	562	1	CIM6 Min	-0.2535	-0.5265	2.4699	0.6436	-1.5194	-0.0006
Base	562	1	CIM7 Max	0.4031	-0.4395	2.5527	0.645	0.6963	0.0036

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	582	1	CIM7 Min	0.1596	-0.6075	2.5166	0.4646	-0.1245	-0.0042
Base	614	3	PP	0.0662	-0.0049	3.5669	-0.0455	0.1653	-0.0004
Base	614	3	CA	0.1711	-0.0491	3.7266	-0.042	0.2126	-3.074E-05
Base	614	3	CV	0.0792	-0.0226	1.7262	-0.0195	0.0984	-1.423E-05
Base	614	3	SX Max	0.4511	0.2062	0.1979	0.6666	0.9677	0.0029
Base	614	3	SY Max	0.0267	3.5235	0.0142	11.6662	0.059	0.0216
Base	614	3	CIM1	0.3365	-0.0766	9.0437	-0.1071	0.4163	-0.0005
Base	614	3	CIM2 Max	0.3364	-0.0165	7.3531	0.0364	0.4921	4.409E-05
Base	614	3	CIM2 Min	0.1761	-0.0915	7.2619	-0.2116	0.1437	-0.001
Base	614	3	CIM3 Max	0.2621	0.5802	7.32	2.0127	0.3265	0.0034
Base	614	3	CIM3 Min	0.2524	-0.6662	7.3149	-2.1679	0.3073	-0.0044
Base	614	3	CIM4 Max	0.3753	-0.044	8.6379	-0.0126	0.5175	-0.0001
Base	614	3	CIM4 Min	0.258	-0.0951	8.5864	-0.1917	0.2659	-0.0009
Base	614	3	CIM5 Max	0.3201	0.367	8.614	1.4147	0.3994	0.0023
Base	614	3	CIM5 Min	0.3132	-0.5291	8.6103	-1.6191	0.384	-0.0033
Base	614	3	CIM6 Max	0.2355	0.0051	4.4261	0.0714	0.3649	0.0002
Base	614	3	CIM6 Min	0.0732	-0.0699	4.3549	-0.1765	0.0165	-0.0006
Base	614	3	CIM7 Max	0.1592	0.6016	4.393	2.0477	0.2013	0.0036
Base	614	3	CIM7 Min	0.1495	-0.6666	4.3579	-2.1526	0.1601	-0.0042
Base	617	5	PP	0.1949	0.337	2.6732	-0.4264	0.1511	-0.0004
Base	617	5	CA	0.066	0.0968	1.5579	-0.8653	0.0477	-3.074E-05
Base	617	5	CV	0.0396	0.3226	0.7351	-0.4099	0.0221	-1.423E-05
Base	617	5	SX Max	2.6407	0.0276	0.3317	0.0626	9.6173	0.0029
Base	617	5	SY Max	0.5106	0.464	0.1162	1.0535	1.7274	0.0216
Base	617	5	CIM1	0.3206	1.3564	4.9962	-1.7236	0.2209	-0.0005
Base	617	5	CIM2 Max	0.7923	1.0366	4.3207	-1.3024	1.9299	4.409E-05
Base	617	5	CIM2 Min	-0.2304	1.0266	4.2013	-1.325	-1.5323	-0.001
Base	617	5	CIM3 Max	0.3729	1.1173	4.2623	-1.1241	0.5096	0.0034
Base	617	5	CIM3 Min	0.169	0.9503	4.2396	-1.5033	-0.1121	-0.0044
Base	617	5	CIM4 Max	0.6601	1.2793	4.8555	-1.613	1.4656	-0.0001
Base	617	5	CIM4 Min	-0.0585	1.2721	4.7693	-1.6292	-1.0348	-0.0009
Base	617	5	CIM5 Max	0.3772	1.336	4.8276	-1.4642	0.44	0.0023
Base	617	5	CIM5 Min	0.2444	1.2154	4.797	-1.7561	-0.0092	-0.0033
Base	617	5	CIM6 Max	0.6799	0.6253	2.6163	-0.777	1.8504	0.0002
Base	617	5	CIM6 Min	-0.3426	0.6153	2.4969	-0.7995	-1.6116	-0.0006
Base	617	5	CIM7 Max	0.2605	0.7036	2.5779	-0.5966	0.4302	0.0036
Base	617	5	CIM7 Min	0.0767	0.5367	2.5353	-0.9779	-0.1916	-0.0042
Base	635	7	PP	-0.2364	-0.009	2.0221	0.0093	-0.3093	-0.0004
Base	635	7	CA	-0.2663	-0.0026	0.5055	-0.0029	-0.3902	-3.074E-05
Base	635	7	CV	-0.1325	-0.0012	0.234	-0.0014	-0.1807	-1.423E-05
Base	635	7	SX Max	3.0496	0.0333	0.3359	0.0673	10.1215	0.0029
Base	635	7	SY Max	0.6911	0.5176	0.9057	1.0725	2.296	0.0216
Base	635	7	CIM1	-0.6552	-0.0126	2.7617	0.005	-0.6602	-0.0005
Base	635	7	CIM2 Max	0.0263	-0.0056	2.5661	0.0165	1.1224	4.409E-05
Base	635	7	CIM2 Min	-1.0716	-0.0176	2.4671	-0.0056	-2.5214	-0.001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	635	7	CIM3 Max	-0.3982	0.0616	2.6906	0.1984	-0.2659	0.0034
Base	635	7	CIM3 Min	-0.647	-0.1046	2.3646	-0.1667	-1.1131	-0.0044
Base	635	7	CIM4 Max	-0.2256	-0.0052	2.7466	0.0141	0.4606	-0.0001
Base	635	7	CIM4 Min	-1.0185	-0.0166	2.6595	-0.0034	-2.1508	-0.0009
Base	635	7	CIM5 Max	-0.5322	0.0546	2.6209	0.1447	-0.5363	0.0023
Base	635	7	CIM5 Min	-0.7119	-0.0796	2.5854	-0.1341	-1.1337	-0.0033
Base	635	7	CIM6 Max	0.2353	-0.001	1.577	0.0159	1.4022	0.0002
Base	635	7	CIM6 Min	-0.6625	-0.0129	1.4561	-0.0063	-2.2416	-0.0006
Base	635	7	CIM7 Max	-0.1692	0.0662	1.6796	0.1966	-0.0061	0.0036
Base	635	7	CIM7 Min	-0.436	-0.1002	1.3535	-0.1692	-0.6333	-0.0042
Base	642	9	PP	-0.04	-0.3576	3.6036	0.3906	-0.0536	-0.0004
Base	642	9	CA	-0.0936	-0.9625	4.2591	1.066	-0.1214	-3.074E-05
Base	642	9	CV	-0.0434	-0.4545	1.9716	0.4935	-0.0562	-1.423E-05
Base	642	9	SX Max	0.5346	0.2022	0.2275	0.6462	1.0732	0.0029
Base	642	9	SY Max	0.0369	3.3247	0.1611	10.6505	0.0757	0.0216
Base	642	9	CIM1	-0.177	-1.7951	9.6345	1.9502	-0.2315	-0.0005
Base	642	9	CIM2 Max	-0.0374	-1.3039	7.9036	1.5734	0.0179	4.409E-05
Base	642	9	CIM2 Min	-0.2299	-1.3767	7.5217	1.3401	-0.3664	-0.001
Base	642	9	CIM3 Max	-0.1266	-0.7416	7.8609	3.3736	-0.1616	0.0034
Base	642	9	CIM3 Min	-0.1406	-1.9387	7.6445	-0.4604	-0.1669	-0.0044
Base	642	9	CIM4 Max	-0.0966	-1.6551	9.3711	1.9111	-0.0779	-0.0001
Base	642	9	CIM4 Min	-0.2357	-1.7077	9.312	1.7426	-0.357	-0.0009
Base	642	9	CIM5 Max	-0.1611	-1.2492	9.3547	3.2114	-0.2076	0.0023
Base	642	9	CIM5 Min	-0.1712	-2.1136	9.3264	0.4423	-0.2273	-0.0033
Base	642	9	CIM6 Max	0.0161	-0.7678	4.7566	0.9907	0.066	0.0002
Base	642	9	CIM6 Min	-0.1764	-0.8406	4.6767	0.7574	-0.2963	-0.0006
Base	642	9	CIM7 Max	-0.0732	-0.2057	4.7356	2.7911	-0.0915	0.0036
Base	642	9	CIM7 Min	-0.0672	-1.4026	4.6994	-1.0431	-0.1166	-0.0042
Base	905	11	PP	-0.211	0.303	2.6796	-0.3644	-0.3301	-0.0004
Base	905	11	CA	-0.1002	0.7965	2.1464	-1.0111	-0.1732	-3.074E-05
Base	905	11	CV	-0.0464	0.3686	0.9937	-0.4661	-0.0802	-1.423E-05
Base	905	11	SX Max	3.5155	0.029	0.6065	0.0616	10.4175	0.0029
Base	905	11	SY Max	0.6692	0.4361	0.1269	0.9719	1.9363	0.0216
Base	905	11	CIM1	-0.3576	1.4663	6.0199	-1.8635	-0.5635	-0.0005
Base	905	11	CIM2 Max	0.3216	1.1047	5.1714	-1.3643	1.3716	4.409E-05
Base	905	11	CIM2 Min	-0.944	1.0943	4.861	-1.4066	-2.3765	-0.001
Base	905	11	CIM3 Max	-0.1671	1.1764	5.0494	-1.2205	-0.1544	0.0034
Base	905	11	CIM3 Min	-0.4352	1.0207	5.003	-1.5704	-0.8522	-0.0044
Base	905	11	CIM4 Max	0.111	1.3796	5.8763	-1.7365	0.7906	-0.0001
Base	905	11	CIM4 Min	-0.603	1.3723	5.6667	-1.7545	-1.9177	-0.0009
Base	905	11	CIM5 Max	-0.2564	1.433	5.7662	-1.6202	-0.3115	0.0023
Base	905	11	CIM5 Min	-0.4356	1.3191	5.7547	-1.8729	-0.8154	-0.0033
Base	905	11	CIM6 Max	0.4461	0.6649	3.1609	-0.8261	1.5732	0.0002
Base	905	11	CIM6 Min	-0.6195	0.6545	2.8706	-0.8464	-2.1772	-0.0006
Base	905	11	CIM7 Max	-0.0627	0.7366	3.0369	-0.6623	0.0469	0.0036

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	905	11	CIM7 Min	-0.3108	0.5809	2.9825	-1.0122	-0.6509	-0.0042
Base	907	13	PP	-0.0003	0.0501	0.9162	-0.0659	-0.0029	-0.0002
Base	907	13	CA	0.0007	0.0595	-0.0141	-0.0665	-0.0006	-1.253E-05
Base	907	13	CV	0.0003	0.0275	-0.0065	-0.04	-0.0004	-5.8E-06
Base	907	13	SX Max	0.2045	0.1364	0.9529	0.2071	0.453	0.0012
Base	907	13	SY Max	0.0504	0.7162	0.6831	1.705	0.1009	0.0066
Base	907	13	CIM1	0.0006	0.1371	0.6956	-0.1924	-0.0041	-0.0002
Base	907	13	CIM2 Max	0.0372	0.1345	1.0736	-0.1151	0.0778	1.796E-05
Base	907	13	CIM2 Min	-0.0364	0.0646	0.7306	-0.1697	-0.0653	-0.0004
Base	907	13	CIM3 Max	0.0095	0.2366	1.0611	0.1545	0.0144	0.0014
Base	907	13	CIM3 Min	-0.0066	-0.0197	0.7432	-0.4593	-0.0219	-0.0016
Base	907	13	CIM4 Max	0.0273	0.1462	1.0211	-0.1555	0.0549	-4.505E-05
Base	907	13	CIM4 Min	-0.0259	0.1122	0.7733	-0.2094	-0.0629	-0.0004
Base	907	13	CIM5 Max	0.0072	0.2236	1.012	0.0392	0.0091	0.0009
Base	907	13	CIM5 Min	-0.0059	0.0366	0.7624	-0.4041	-0.0171	-0.0013
Base	907	13	CIM6 Max	0.0371	0.0906	0.7126	-0.0542	0.0793	0.0001
Base	907	13	CIM6 Min	-0.0366	0.0406	0.3697	-0.1267	-0.0636	-0.0003
Base	907	13	CIM7 Max	0.0093	0.195	0.7002	0.2155	0.0159	0.0015
Base	907	13	CIM7 Min	-0.0066	-0.0635	0.3823	-0.3953	-0.0204	-0.0017
Base	1555	15	PP	-0.0006	-0.0106	1.1993	0.0099	-0.0031	-0.0002
Base	1555	15	CA	-0.0001	-0.0123	0.4674	0.0029	-0.0019	-1.253E-05
Base	1555	15	CV	-0.0001	-0.0057	0.2164	0.0014	-0.0009	-5.8E-06
Base	1555	15	SX Max	0.1301	0.0561	0.2264	0.1146	0.3604	0.0012
Base	1555	15	SY Max	0.024	0.9051	0.1245	1.936	0.0566	0.0066
Base	1555	15	CIM1	-0.0006	-0.0266	1.663	0.0143	-0.0056	-0.0002
Base	1555	15	CIM2 Max	0.0227	-0.0126	1.7074	0.0335	0.0599	1.796E-05
Base	1555	15	CIM2 Min	-0.0242	-0.0335	1.6259	-0.0077	-0.0696	-0.0004
Base	1555	15	CIM3 Max	0.0036	0.1396	1.6891	0.3617	0.0053	0.0014
Base	1555	15	CIM3 Min	-0.005	-0.166	1.6442	-0.3359	-0.0151	-0.0016
Base	1555	15	CIM4 Max	0.0161	-0.0196	1.6564	0.0266	0.0413	-4.505E-05
Base	1555	15	CIM4 Min	-0.0177	-0.0349	1.7995	-0.001	-0.0524	-0.0004
Base	1555	15	CIM5 Max	0.0023	0.0903	1.6451	0.2659	0.0018	0.0009
Base	1555	15	CIM5 Min	-0.0039	-0.145	1.6127	-0.236	-0.0129	-0.0013
Base	1555	15	CIM6 Max	0.023	-0.0034	1.0407	0.0264	0.0619	0.0001
Base	1555	15	CIM6 Min	-0.0239	-0.0243	0.9592	-0.0129	-0.0678	-0.0003
Base	1555	15	CIM7 Max	0.0039	0.1491	1.0224	0.3566	0.0072	0.0015
Base	1555	15	CIM7 Min	-0.0048	-0.1766	0.9776	-0.3411	-0.0131	-0.0017
Base	1556	17	PP	-0.0007	0.0045	1.0926	-0.0092	-0.0029	-0.0002
Base	1556	17	CA	-0.0006	0.0174	0.3076	-0.034	-0.0026	-1.253E-05
Base	1556	17	CV	-0.0004	0.008	0.1424	-0.0157	-0.0012	-5.8E-06
Base	1556	17	SX Max	0.0961	0.0553	0.047	0.1195	0.3167	0.0012
Base	1556	17	SY Max	0.0066	0.8609	0.0097	1.9076	0.0277	0.0066
Base	1556	17	CIM1	-0.0016	0.0299	1.5427	-0.0569	-0.0065	-0.0002
Base	1556	17	CIM2 Max	0.0159	0.0319	1.4067	-0.0217	0.0518	1.796E-05
Base	1556	17	CIM2 Min	-0.0167	0.0119	1.3916	-0.0647	-0.0629	-0.0004

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1556	17	CIM3 Max	0.0001	0.1605	1.402	0.3002	-0.0006	0.0014
Base	1556	17	CIM3 Min	-0.003	-0.1367	1.3965	-0.3666	-0.0105	-0.0016
Base	1556	17	CIM4 Max	0.0106	0.0351	1.5132	-0.0394	0.035	-4.505E-05
Base	1556	17	CIM4 Min	-0.0142	0.0207	1.501	-0.0705	-0.0479	-0.0004
Base	1556	17	CIM5 Max	-0.0006	0.1425	1.5063	0.193	-0.0029	0.0009
Base	1556	17	CIM5 Min	-0.0029	-0.0666	1.5056	-0.303	-0.0101	-0.0013
Base	1556	17	CIM6 Max	0.0164	0.0231	0.6466	-0.0044	0.054	0.0001
Base	1556	17	CIM6 Min	-0.0162	0.0032	0.6317	-0.0474	-0.0607	-0.0003
Base	1556	17	CIM7 Max	0.0007	0.1717	0.6419	0.3175	0.0017	0.0015
Base	1556	17	CIM7 Min	-0.0025	-0.1454	0.6364	-0.3693	-0.0083	-0.0017
Base	1557	19	PP	-0.0001	0.0099	1.1205	-0.0156	-0.002	-0.0002
Base	1557	19	CA	-0.0019	0.0081	0.205	-0.0224	-0.0041	-1.253E-05
Base	1557	19	CV	-0.0009	0.0037	0.0949	-0.0104	-0.0019	-5.8E-06
Base	1557	19	SX Max	0.1406	0.0751	0.2536	0.1406	0.3761	0.0012
Base	1557	19	SY Max	0.0063	0.6917	0.1171	1.9213	0.0224	0.0056
Base	1557	19	CIM1	-0.0029	0.0216	1.4204	-0.0456	-0.0079	-0.0002
Base	1557	19	CIM2 Max	0.0233	0.0314	1.3711	-0.0129	0.0616	1.796E-05
Base	1557	19	CIM2 Min	-0.0274	0.0044	1.2799	-0.0635	-0.0737	-0.0004
Base	1557	19	CIM3 Max	-0.0006	0.1764	1.3466	0.3076	-0.002	0.0014
Base	1557	19	CIM3 Min	-0.0036	-0.1426	1.3044	-0.364	-0.0101	-0.0016
Base	1557	19	CIM4 Max	0.0156	0.0305	1.4296	-0.0277	0.0414	-4.505E-05
Base	1557	19	CIM4 Min	-0.021	0.0109	1.3637	-0.0643	-0.0564	-0.0004
Base	1557	19	CIM5 Max	-0.0016	0.1366	1.4119	0.2036	-0.0046	0.0009
Base	1557	19	CIM5 Min	-0.0038	-0.0952	1.3615	-0.2957	-0.0104	-0.0013
Base	1557	19	CIM6 Max	0.0241	0.0243	0.6409	0.0024	0.0641	0.0001
Base	1557	19	CIM6 Min	-0.0265	-0.0026	0.7497	-0.0463	-0.0713	-0.0003
Base	1557	19	CIM7 Max	0.0003	0.1713	0.6164	0.3229	0.0004	0.0015
Base	1557	19	CIM7 Min	-0.0027	-0.1497	0.7742	-0.3667	-0.0077	-0.0017
Base	1556	21	PP	-0.0006	0.0004	1.0673	-0.004	-0.0023	-0.0002
Base	1556	21	CA	-0.0026	0.0332	0.1176	-0.0537	-0.0052	-1.253E-05
Base	1556	21	CV	-0.0013	0.0154	0.0545	-0.0249	-0.0024	-5.8E-06
Base	1556	21	SX Max	0.1431	0.0552	0.2119	0.114	0.3805	0.0012
Base	1556	21	SY Max	0.0106	0.9069	0.0206	1.9403	0.0306	0.0058
Base	1556	21	CIM1	-0.0047	0.0489	1.2397	-0.0625	-0.0099	-0.0002
Base	1556	21	CIM2 Max	0.0224	0.0435	1.2233	-0.0371	0.061	1.796E-05
Base	1556	21	CIM2 Min	-0.0292	0.0236	1.147	-0.0762	-0.076	-0.0004
Base	1556	21	CIM3 Max	-0.0015	0.1966	1.1869	0.2916	-0.0019	0.0014
Base	1556	21	CIM3 Min	-0.0053	-0.1297	1.1614	-0.4069	-0.013	-0.0016
Base	1556	21	CIM4 Max	0.0142	0.0522	1.2536	-0.0615	0.0402	-4.505E-05
Base	1556	21	CIM4 Min	-0.023	0.0379	1.1965	-0.0911	-0.0566	-0.0004
Base	1556	21	CIM5 Max	-0.003	0.163	1.2266	0.1759	-0.0053	0.0009
Base	1556	21	CIM5 Min	-0.0056	-0.0726	1.2234	-0.3266	-0.0133	-0.0013
Base	1556	21	CIM6 Max	0.0237	0.0301	0.7492	-0.0141	0.064	0.0001
Base	1556	21	CIM6 Min	-0.0278	0.0102	0.673	-0.0551	-0.073	-0.0003
Base	1556	21	CIM7 Max	-0.0001	0.1634	0.7146	0.3146	0.001	0.0015

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1556	21	CIM7 Min	-0.004	-0.1431	0.7073	-0.3639	-0.01	-0.0017
Base	1559	23	PP	-0.0037	-0.0039	0.9471	0.0013	-0.006	-0.0002
Base	1559	23	CA	-0.0073	0.0066	0.2016	-0.0206	-0.0109	-1.253E-05
Base	1559	23	CV	-0.0034	0.0031	0.0933	-0.0095	-0.005	-5.8E-06
Base	1559	23	SX Max	0.1501	0.0611	0.021	0.1265	0.3904	0.0012
Base	1559	23	SY Max	0.0196	0.9246	0.3003	1.9623	0.0511	0.0056
Base	1559	23	CIM1	-0.0144	0.0059	1.242	-0.0259	-0.0219	-0.0002
Base	1559	23	CIM2 Max	0.016	0.0136	1.1525	0.0034	0.0534	1.796E-05
Base	1559	23	CIM2 Min	-0.036	-0.0052	1.1449	-0.0421	-0.0671	-0.0004
Base	1559	23	CIM3 Max	-0.0074	0.1692	1.2027	0.3339	-0.0076	0.0014
Base	1559	23	CIM3 Min	-0.0146	-0.1636	1.0946	-0.3725	-0.026	-0.0016
Base	1559	23	CIM4 Max	0.006	0.013	1.2214	-0.01	0.0302	-4.505E-05
Base	1559	23	CIM4 Min	-0.033	-0.0029	1.2159	-0.0429	-0.0714	-0.0004
Base	1559	23	CIM5 Max	-0.011	0.1253	1.2577	0.2266	-0.0139	0.0009
Base	1559	23	CIM5 Min	-0.0161	-0.1151	1.1796	-0.2616	-0.0272	-0.0013
Base	1559	23	CIM6 Max	0.0204	0.0127	0.693	0.0112	0.0602	0.0001
Base	1559	23	CIM6 Min	-0.0336	-0.0093	0.6654	-0.0344	-0.0604	-0.0003
Base	1559	23	CIM7 Max	-0.003	0.1661	0.7433	0.3416	-0.0009	0.0015
Base	1559	23	CIM7 Min	-0.0102	-0.1646	0.6352	-0.3646	-0.0193	-0.0017
Base	1653	27	PP	-0.0051	0.004	0.7506	-0.0055	-0.0071	-0.0001
Base	1653	27	CA	-0.0102	0.0031	0.2452	-0.0055	-0.0137	-3.654E-06
Base	1653	27	CV	-0.0047	0.0015	0.1135	-0.0026	-0.0064	-1.764E-06
Base	1653	27	SX Max	0.1357	0.0105	0.316	0.0195	0.272	0.0004
Base	1653	27	SY Max	0.0201	0.1616	0.7691	0.3053	0.0406	0.0027
Base	1653	27	CIM1	-0.0201	0.0086	1.1093	-0.0136	-0.0272	-0.0001
Base	1653	27	CIM2 Max	0.0091	0.0091	1.0531	-0.0075	0.0261	5.527E-06
Base	1653	27	CIM2 Min	-0.0396	0.0053	0.9366	-0.0145	-0.0696	-0.0001
Base	1653	27	CIM3 Max	-0.0116	0.0363	1.1379	0.0439	-0.0135	0.0004
Base	1653	27	CIM3 Min	-0.019	-0.0219	0.6536	-0.066	-0.0261	-0.0005
Base	1653	27	CIM4 Max	-0.0013	0.0096	1.1223	-0.0104	0.0096	-1.386E-05
Base	1653	27	CIM4 Min	-0.0366	0.0069	1.0396	-0.0155	-0.0609	-0.0001
Base	1653	27	CIM5 Max	-0.0163	0.0293	1.1635	0.0266	-0.0203	0.0003
Base	1653	27	CIM5 Min	-0.0215	-0.0126	0.9764	-0.0526	-0.0309	-0.0004
Base	1653	27	CIM6 Max	0.0152	0.0062	0.6547	-0.0031	0.0365	2.93E-05
Base	1653	27	CIM6 Min	-0.0337	0.0024	0.5403	-0.0101	-0.0615	-0.0001
Base	1653	27	CIM7 Max	-0.0056	0.0334	0.7395	0.0453	-0.0052	0.0005
Base	1653	27	CIM7 Min	-0.0126	-0.0246	0.4555	-0.0616	-0.0198	-0.0005
Base	1655	25	PP	-0.0049	-0.0056	0.6429	0.0069	-0.0066	-0.0001
Base	1655	25	CA	-0.0048	-0.0002	0.1116	-0.0013	-0.0069	-3.654E-06
Base	1655	25	CV	-0.0022	-0.0001	0.0517	-0.0006	-0.0032	-1.764E-06
Base	1655	25	SX Max	0.1499	0.0067	0.3725	0.0174	0.2904	0.0004
Base	1655	25	SY Max	0.0261	0.1404	0.1607	0.2764	0.0556	0.0027
Base	1655	25	CIM1	-0.012	-0.006	0.6062	0.0049	-0.0165	-0.0001
Base	1655	25	CIM2 Max	0.0172	-0.0044	0.6216	0.0057	0.0366	5.527E-06
Base	1655	25	CIM2 Min	-0.0366	-0.0075	0.6675	0.0024	-0.0659	-0.0001

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1655	25	CIM3 Max	-0.0047	0.0193	0.7671	0.0556	-0.0036	0.0004
Base	1655	25	CIM3 Min	-0.0148	-0.0312	0.722	-0.0446	-0.0237	-0.0005
Base	1655	25	CIM4 Max	0.006	-0.0049	0.6417	0.0073	0.0217	-1.386E-05
Base	1655	25	CIM4 Min	-0.0309	-0.0072	0.7449	0.0026	-0.0536	-0.0001
Base	1655	25	CIM5 Max	-0.0078	0.0122	0.6166	0.0413	-0.0066	0.0003
Base	1655	25	CIM5 Min	-0.0151	-0.0243	0.7696	-0.0311	-0.0233	-0.0004
Base	1655	25	CIM6 Max	0.0211	-0.002	0.5196	0.0064	0.0441	2.93E-05
Base	1655	25	CIM6 Min	-0.0328	-0.0051	0.3657	0.0002	-0.0605	-0.0001
Base	1655	25	CIM7 Max	-0.0006	0.0217	0.4652	0.0534	0.0016	0.0005
Base	1655	25	CIM7 Min	-0.0109	-0.0266	0.4202	-0.0468	-0.0162	-0.0005
Base	1657	29	PP	0.002	0.0005	0.7616	-0.0011	0.0021	-0.0001
Base	1657	29	CA	0.0004	0.0005	0.3423	-0.0022	-0.0003	-3.654E-06
Base	1657	29	CV	0.0002	0.0002	0.1565	-0.001	-0.0002	-1.784E-06
Base	1657	29	SX Max	0.1317	0.0102	0.3339	0.0193	0.2675	0.0004
Base	1657	29	SY Max	0.0242	0.1632	0.916	0.3107	0.0506	0.0027
Base	1657	29	CIM1	0.0026	0.0012	1.2623	-0.0043	0.0016	-0.0001
Base	1657	29	CIM2 Max	0.0261	0.0026	1.164	0.0001	0.0499	5.527E-06
Base	1657	29	CIM2 Min	-0.0213	-0.0009	1.0636	-0.0068	-0.0464	-0.0001
Base	1657	29	CIM3 Max	0.0066	0.0304	1.2891	0.0526	0.0108	0.0004
Base	1657	29	CIM3 Min	-0.0019	-0.0264	0.9566	-0.0593	-0.0074	-0.0005
Base	1657	29	CIM4 Max	0.0197	0.0025	1.2661	-0.0016	0.0364	-1.386E-05
Base	1657	29	CIM4 Min	-0.0146	-0.0002	1.1993	-0.0066	-0.0332	-0.0001
Base	1657	29	CIM5 Max	0.0057	0.0224	1.3621	0.0363	0.0052	0.0003
Base	1657	29	CIM5 Min	-0.0006	-0.0201	1.1234	-0.0445	-0.005	-0.0004
Base	1657	29	CIM6 Max	0.0251	0.0024	0.7344	0.0015	0.0492	2.93E-05
Base	1657	29	CIM6 Min	-0.0223	-0.0012	0.6142	-0.0055	-0.0471	-0.0001
Base	1657	29	CIM7 Max	0.0056	0.03	0.8396	0.0539	0.0102	0.0005
Base	1657	29	CIM7 Min	-0.0029	-0.0256	0.5091	-0.0579	-0.0051	-0.0005
Base	1659	31	PP	0.0014	-0.006	1.1662	0.0096	0.0012	-0.0001
Base	1659	31	CA	-0.0003	-0.0117	2.0069	0.0132	-0.0012	-3.654E-06
Base	1659	31	CV	-0.0002	-0.0054	0.93	0.0061	-0.0006	-1.784E-06
Base	1659	31	SX Max	0.1457	0.0105	0.3664	0.0196	0.2846	0.0004
Base	1659	31	SY Max	0.0205	0.1724	0.2462	0.3223	0.0415	0.0027
Base	1659	31	CIM1	0.001	-0.0251	4.1071	0.0269	-0.0006	-0.0001
Base	1659	31	CIM2 Max	0.0273	-0.0176	3.2434	0.0263	0.0512	5.527E-06
Base	1659	31	CIM2 Min	-0.0251	-0.0216	3.1107	0.0193	-0.0512	-0.0001
Base	1659	31	CIM3 Max	0.0049	0.0113	3.2217	0.0506	0.0074	0.0004
Base	1659	31	CIM3 Min	-0.0026	-0.0506	3.1324	-0.0352	-0.0075	-0.0005
Base	1659	31	CIM4 Max	0.0199	-0.0224	3.9225	0.0299	0.0365	-1.386E-05
Base	1659	31	CIM4 Min	-0.0179	-0.0251	3.8267	0.0246	-0.0374	-0.0001
Base	1659	31	CIM5 Max	0.0037	-0.0014	3.9069	0.0693	0.0049	0.0003
Base	1659	31	CIM5 Min	-0.0017	-0.0462	3.8423	-0.0145	-0.0058	-0.0004
Base	1659	31	CIM6 Max	0.0269	-0.0099	1.9726	0.0172	0.0512	2.93E-05
Base	1659	31	CIM6 Min	-0.0256	-0.0137	1.8399	0.0102	-0.0512	-0.0001
Base	1659	31	CIM7 Max	0.0044	0.0192	1.9509	0.0717	0.0075	0.0005

Table 1.2 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1659	31	CIM7 Min	-0.0031	-0.0429	1.6616	-0.0443	-0.0075	-0.0005

1.3 Modal Results

Table 1.3 - Modal Periods and Frequencies

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad²/sec²
Modal	1	0.185	5.41	33.9939	1155.5869
Modal	2	0.176	5.685	35.7221	1276.0654
Modal	3	0.127	7.886	49.5511	2455.3137
Modal	4	0.021	47.535	298.6698	89203.6607
Modal	5	0.019	52.497	329.8475	108799.3793
Modal	6	0.015	65.37	410.7288	168698.1249
Modal	7	0.015	67.346	423.1496	179055.7372
Modal	8	0.015	67.679	425.2393	180826.496
Modal	9	0.015	68.935	433.1316	187603.1524
Modal	10	0.014	72.244	453.9232	206046.3065
Modal	11	0.012	80.01	502.7166	252724.2001
Modal	12	0.012	85.716	538.5668	290056.3963
Modal	13	0.011	90.817	570.6165	325605.4916
Modal	14	0.011	93.296	586.2061	343637.5569
Modal	15	0.01	104.664	657.7461	432632.5654
Modal	16	0.009	105.433	662.4564	438848.4443
Modal	17	0.008	118.772	746.2637	556909.4746
Modal	18	0.008	129.663	814.8203	663932.1474
Modal	19	0.007	137.299	862.8736	744206.0905
Modal	20	0.007	151.667	952.9546	908122.8624
Modal	21	0.006	167.147	1050.2139	1102949
Modal	22	0.005	187.616	1178.6251	1389636
Modal	23	0.003	326.456	2063.7594	4259103
Modal	24	0.002	464.467	2918.4603	8517411

Table 1.4 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	1	0.185	0.0096	0.9756	0	0.0096	0.9756	0
Modal	2	0.176	0.9901	0.0096	0	0.9997	0.9853	0
Modal	3	0.127	0.0003	0.0145	0	1	1	0
Modal	4	0.021	1.926E-06	0	0	1	1	0
Modal	5	0.019	1.021E-05	0	0	1	1	0
Modal	6	0.015	0	0	0	1	1	0
Modal	7	0.015	0	0	0	1	1	0
Modal	8	0.015	0	0	0	1	1	0
Modal	9	0.015	0	0	0	1	1	0
Modal	10	0.014	4.157E-06	0	0	1	1	0

Table 1.4 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	11	0.012	0	0	0	1	1	0
Modal	12	0.012	0	0	0	1	1	0
Modal	13	0.011	0	0	0	1	1	0
Modal	14	0.011	0	0	0	1	1	0
Modal	15	0.01	0	0	0	1	1	0
Modal	16	0.009	6.167E-07	0	0	1	1	0
Modal	17	0.006	0	0	0	1	1	0
Modal	18	0.006	0	0	0	1	1	0
Modal	19	0.007	0	0	0	1	1	0
Modal	20	0.007	0	0	0	1	1	0
Modal	21	0.006	0	0	0	1	1	0
Modal	22	0.005	0	0	0	1	1	0
Modal	23	0.003	0	0	0	1	1	0
Modal	24	0.002	0	0	0	1	1	0

Table 1.4 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	1	0.9756	0.0096	0.0192	0.9756	0.0096	0.0192
Modal	2	0.0096	0.9901	1.539E-05	0.9853	0.9997	0.0192
Modal	3	0.0145	0.0003	0.9807	1	1	0.9999
Modal	4	0	1.926E-06	1.944E-05	1	1	1
Modal	5	0	1.021E-05	3.224E-05	1	1	1
Modal	6	0	0	0	1	1	1
Modal	7	0	0	1.321E-06	1	1	1
Modal	8	0	0	0	1	1	1
Modal	9	0	0	3.704E-06	1	1	1
Modal	10	0	4.157E-06	1.642E-06	1	1	1
Modal	11	0	0	0	1	1	1
Modal	12	0	0	0	1	1	1
Modal	13	0	0	7.059E-07	1	1	1
Modal	14	0	0	0	1	1	1
Modal	15	0	0	9.397E-07	1	1	1
Modal	16	0	6.167E-07	5.443E-07	1	1	1
Modal	17	0	0	0	1	1	1
Modal	18	0	0	0	1	1	1
Modal	19	0	0	0	1	1	1
Modal	20	0	0	0	1	1	1
Modal	21	0	0	0	1	1	1
Modal	22	0	0	0	1	1	1
Modal	23	0	0	0	1	1	1
Modal	24	0	0	0	1	1	1

Table 1.5 - Modal Participation Factors

Case	Mode	Period sec	UX tonf-m	UY tonf-m	UZ tonf-m	RX tonf-m	RY tonf-m	RZ tonf-m	Modal Mass tonf-m-s^2	Modal Stiffness tonf-m
Modal	1	0.165	0.191423	1.934227	0	-1.194325	0.116196	-1.906973	1	1155.56666
Modal	2	0.176	-1.946509	0.194237	0	-0.119935	-1.203144	0.053999	1	1276.06537
Modal	3	0.127	-0.034656	-0.235901	0	0.145662	-0.021522	-13.629772	1	2455.3137
Modal	4	0.021	0.002717	-0.000564	0	0.00036	0.001676	-0.060664	1	89203.66067
Modal	5	0.019	0.006257	-0.000776	0	0.000479	0.003864	-0.076146	1	108799
Modal	6	0.015	-0.000354	6.2E-05	0	-3.8E-05	-0.000218	0.006191	1	166696
Modal	7	0.015	-0.000326	-0.000143	0	8.8E-05	-0.000201	-0.01562	1	179056
Modal	8	0.015	0.000117	-4.4E-05	0	2.7E-05	7.2E-05	-0.00434	1	180626
Modal	9	0.015	-0.000643	0.00025	0	-0.000154	-0.000397	0.026469	1	187603
Modal	10	0.014	-0.003993	-0.00013	0	6E-05	-0.002465	-0.017636	1	206046
Modal	11	0.012	-8.5E-05	-3.6E-05	0	2.3E-05	-5.2E-05	-0.003629	1	252724
Modal	12	0.012	-0.000349	1.5E-05	0	-9E-06	-0.000215	0.001257	1	290056
Modal	13	0.011	-0.000726	0.000119	0	-7.4E-05	-0.000449	0.011563	1	325605
Modal	14	0.011	-0.00116	2.9E-05	0	-1.8E-05	-0.000729	0.002089	1	343636
Modal	15	0.01	0.000583	-0.000152	0	9.4E-05	0.00036	-0.013341	1	432633
Modal	16	0.009	-0.001772	-8.1E-05	0	5E-05	-0.001094	-0.010154	1	438648
Modal	17	0.006	0.001069	1E-06	0	-1E-06	0.000672	0.00097	1	556909
Modal	18	0.006	1.1E-05	-0.000364	0	0.000225	7E-06	-0.00334	1	663932
Modal	19	0.007	-0.000576	-2.5E-05	0	1.5E-05	-0.000356	-0.001465	1	744206
Modal	20	0.007	-1.6E-05	0.000666	0	-0.000424	-1.1E-05	0.00027	1	906123
Modal	21	0.006	6E-06	0.00056	0	-0.000358	4E-06	0.000564	1	1102949
Modal	22	0.005	-0.000209	1E-05	0	-6E-06	-0.000129	0.000434	1	1389636
Modal	23	0.003	9.6E-05	1E-06	0	-1E-06	5.9E-05	0.000323	1	4259103
Modal	24	0.002	-1E-06	8.5E-05	0	-5.2E-05	-1E-06	-0.00019	1	6517411

Table 1.6 - Modal Load Participation Ratios

Case	Item Type	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	100
Modal	Acceleration	UY	100	100
Modal	Acceleration	UZ	0	0

Table 1.7 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.165	0.01	0.976	0	0.015
Modal	2	0.176	0.99	0.01	0	0
Modal	3	0.127	0	0.015	0	0.985
Modal	4	0.021	0	0	0	1
Modal	5	0.019	0	0	0	1
Modal	6	0.015	0	0	0	1
Modal	7	0.015	0	0	0	1
Modal	8	0.015	0	0	0	1
Modal	9	0.015	0	0	0	1
Modal	10	0.014	0	0	0	1

Table 1.7 - Modal Direction Factors (continued)

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	11	0.012	0	0	0	1
Modal	12	0.012	0.227	0	0	0.772
Modal	13	0.011	0	0	0	1
Modal	14	0.011	0	0	0	1
Modal	15	0.01	0	0	0	1
Modal	16	0.009	0	0	0	1
Modal	17	0.008	0	0	0	1
Modal	18	0.008	0	0	0	1
Modal	19	0.007	0	0	0	1
Modal	20	0.007	0	0	0	1
Modal	21	0.006	0	0	0	1
Modal	22	0.005	0	0	0	1
Modal	23	0.003	0	0	0	1
Modal	24	0.002	0	0	0	1

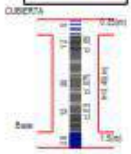
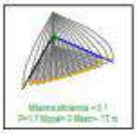
5.11 DISEÑO ESTRUCUTRAL

5.11.1 INDICES DE SOBRE ESFUERZO COLUMNAS

Nombre Principal	ALCALDIA LOCAL DE BARRIOS UNIDOS
Nombre Auxiliar	Dirección
Propietario	Diseño Arquitectónico
DC-CAD3 Ligero.dwt	Contenido
Norma	Memorias de columnas
GUEVARA ALVAREZ INGENIEROS LTDA.	Código Nómina
NSR-10 DMO	

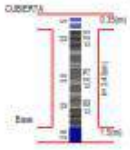
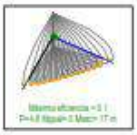
B-8.2

Norma: NSR-10 DMO
Volumen sin nudos= 0.1 m3 Peso del refuerzo= 57.3 Kg Cuantía= 415.5 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.0Ton (COMB2Min) Sec= .0Ton (COMB6Max) V. plástico Ppal=1 Sec=1Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		f'c = 21 Mpa Cuantía zona superior =1.29 Eficiencia zona superior = 0.06 P=1.2 Mppal=.0 Maec=.1T m Cuantía zona inferior =1.29 Eficiencia zona inferior = 0.07 P=1.7 Mppal=.0 Maec=-.1T m Relación Mínima Col/Vig=.2(Viga:V-06)

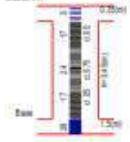
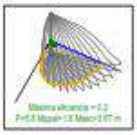
B-8.1

Norma: NSR-10 DMO
Volumen sin nudos= 0.1 m3 Peso del refuerzo= 57.3 Kg Cuantía= 415.5 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.0Ton (COMB2Min) Sec= .1Ton (COMB6Max) V. plástico Ppal=1 Sec=1Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		f'c = 21 Mpa Cuantía zona superior =1.29 Eficiencia zona superior = 0.10 P=5.0 Mppal=.0 Maec=-.1T m Cuantía zona inferior =1.29 Eficiencia zona inferior = 0.09 P=4.8 Mppal=.0 Maec=.1T m Relación Mínima Col/Vig=.2(Viga:V-06)

C-9

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantía= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=1.5Ton (COMB1) Sec= 1.5Ton (COMB2Max) V. plástico Ppal=3 Sec=15Ton So abajo 50mm (Diseñador) S central 75mm (Por Cortante Plástico) So arriba 50mm (Diseñador)		f'c = 21 Mpa Cuantía zona superior =1.24 Eficiencia zona superior = 0.17 P=6.3 Mppal=-3.3 Maec=-1.8T m Cuantía zona inferior =1.24 Eficiencia zona inferior = 0.16 P=5.8 Mppal=1.8 Maec=3.6T m Relación Mínima Col/Vig=1.8(Viga:V-05)

C-6

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantía= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

ALCALDIA LOCAL DE BARRIOS UNIDOS

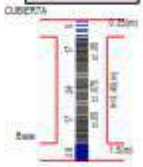
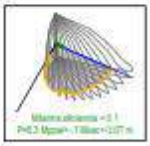
GUEVARA ALVAREZ INGENIEROS LTDA.

Memorias de columnas

NSR-10 DMO

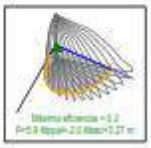
C-6

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantia= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.0Ton (COMB2Min) Sec= .9Ton (COMB6Max) V. plástico Ppal=3 Sec=16Ton So abajo 50mm (Diseñador) S central 75mm (Por Cortante Plástico) So arriba 50mm (Diseñador)		Pc = 21 Mpa Cuantia zona superior =1.24 Eficiencia zona superior = 0.01 P=10.2 Mppal=.0 Msec=-.3T m Cuantia zona inferior =1.24 Eficiencia zona inferior = 0.11 P=6.3 Mppal=-.1 Msec=-3.0T m Relación Mínima Col/Vig=4.5(Viga:V-05)

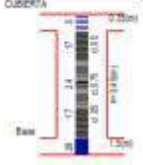
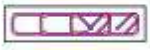
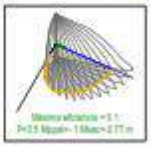
C-2

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantia= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=1.8Ton (COMB1) Sec= 1.2Ton (COMB2Max) V. plástico Ppal=3 Sec=15Ton So abajo 50mm (Diseñador) S central 75mm (Por Cortante Plástico) So arriba 50mm (Diseñador)		Pc = 21 Mpa Cuantia zona superior =1.24 Eficiencia zona superior = 0.23 P=6.4 Mppal=4.0 Msec=-1.1T m Cuantia zona inferior =1.24 Eficiencia zona inferior = 0.15 P=5.9 Mppal=-2.0 Msec=3.2T m Relación Mínima Col/Vig=2.3(Viga:V-05)

B-9

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantia= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.2Ton (COMB6Max) Sec= 1.6Ton (COMB2Min) V. plástico Ppal=3 Sec=15Ton So abajo 50mm (Diseñador) S central 75mm (Por Cortante Plástico) So arriba 50mm (Diseñador)		Pc = 21 Mpa Cuantia zona superior =1.24 Eficiencia zona superior = 0.07 P=3.5 Mppal=-.1 Msec=1.8T m Cuantia zona inferior =1.24 Eficiencia zona inferior = 0.15 P=3.5 Mppal=-.1 Msec=-3.7T m Relación Mínima Col/Vig=1.8(Viga:V-06)

B-6

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantia= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal

ALCALDIA LOCAL DE BARRIOS UNIDOS

Nombre Auxiliar

Dirección

Propietario

Diseño Arquitectónico

DC-CAD® Licenciado a

GUEVARA ALVAREZ INGENIEROS LTDA.

Contenido

Memorias de columnas

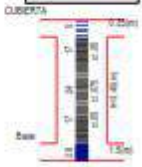
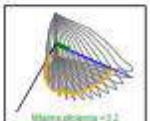
Norma

NSR-10 DMO

Código Nombre

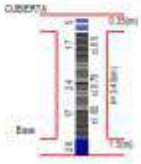
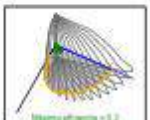
B-6

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantía= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.1Ton (COMB2Max) Sec= 2.9Ton (COMB6Max) V. plástico Ppal=3 Sec=16Ton So abajo 50mm (Diseñador) S central 75mm (Por Cortante Plástico) So arriba 50mm (Diseñador)		f'c = 21 Mpa Cuantía zona superior =1.24 Eficiencia zona superior = 0.20 P=10.9 Mppal=.0 Msec=-5.5T m Cuantía zona inferior =1.24 Eficiencia zona inferior = 0.19 P=9.8 Mppal=.1 Msec=5.0T m Relación Mínima Col/Vig=4.5(Viga:V-06)

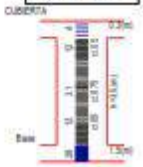
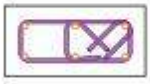
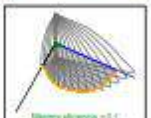
B-2

Norma: NSR-10 DMO
Volumen sin nudos= 0.6 m3 Peso del refuerzo= 269.9 Kg Cuantía= 488.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=2.0Ton (COMB1) Sec= 1.3Ton (COMB2Min) V. plástico Ppal=3 Sec=15Ton So abajo 50mm (Diseñador) S central 75mm (Por Cortante Plástico) So arriba 50mm (Diseñador)		f'c = 21 Mpa Cuantía zona superior =1.24 Eficiencia zona superior = 0.35 P=7.3 Mppal=3.9 Msec= 4T m Cuantía zona inferior =1.24 Eficiencia zona inferior = 0.17 P=7.7 Mppal=-2.6 Msec=-.5T m Relación Mínima Col/Vig=2.3(Viga:V-06)

A-1

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.1Ton (COMB2Min) Sec= .3Ton (COMB6Min) V. plástico Ppal=2 Sec=4Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		f'c = 21 Mpa Cuantía zona superior =1.49 Eficiencia zona superior = 0.07 P=.6 Mppal=.1 Msec=.5T m Cuantía zona inferior =1.49 Eficiencia zona inferior = 0.09 P=1.4 Mppal=-.1 Msec=-.6T m Relación Mínima Col/Vig=2.9(Viga:V-07)

A-3

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal

ALCALDIA LOCAL DE BARRIOS UNIDOS

Nombre Auxiliar

Dirección

Propietario

Diseño Arquitectónico

DC-CAD® Licenciado a

GUEVARA ALVAREZ INGENIEROS LTDA.

Contenido

Memorias de columnas

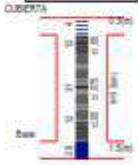
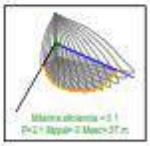
Norma

NSR-10 DMO

Código Nombre

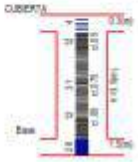
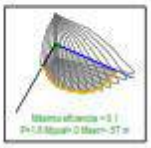
A-3

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.0Ton (COMB2Min) Sec= .3Ton (COMB6Max) V. plástico Ppal=2 Sec=4Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		f'c = 21 Mpa Cuantía zona superior =1.49 Eficiencia zona superior = 0.06 P=2.2 Mppal=.0 Maec=-.4T m Cuantía zona inferior =1.49 Eficiencia zona inferior = 0.07 P=2.1 Mppal=.0 Maec=-.5T m Relación Mínima Col/Vig=1.5(Viga:V-07)

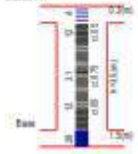
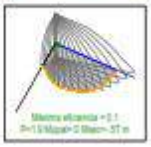
A-4

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.0Ton (COMB2Max) Sec= .2Ton (COMB6Min) V. plástico Ppal=2 Sec=4Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		f'c = 21 Mpa Cuantía zona superior =1.49 Eficiencia zona superior = 0.05 P=1.8 Mppal=.0 Maec=.3T m Cuantía zona inferior =1.49 Eficiencia zona inferior = 0.07 P=1.8 Mppal=.0 Maec=-.5T m Relación Mínima Col/Vig=1.5(Viga:V-07)

A-5

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.0Ton (COMB2Max) Sec= .2Ton (COMB6Min) V. plástico Ppal=2 Sec=4Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		f'c = 21 Mpa Cuantía zona superior =1.49 Eficiencia zona superior = 0.04 P=1.9 Mppal=.0 Maec=.3T m Cuantía zona inferior =1.49 Eficiencia zona inferior = 0.07 P=1.9 Mppal=.0 Maec=-.5T m Relación Mínima Col/Vig=1.5(Viga:V-07)

A-7

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal

ALCALDIA LOCAL DE BARRIOS UNIDOS

Nombre Auxiliar

Dirección

Propietario

Diseño Arquitectónico

DC-CAD® Licenciado a

GUEVARA ALVAREZ INGENIEROS LTDA.

Contenido

Memorias de columnas

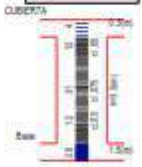
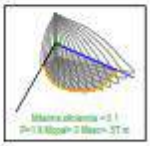
Norma

NSR-10 DMO

Código Nombre

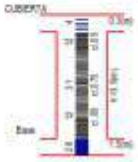
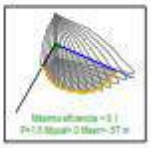
A-7

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.0Ton (COMB2Max) Sec= .2Ton (COMB6Min) V. plástico Ppal=2 Sec=4Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		F'c = 21 Mpa Cuantía zona superior =1.49 Eficiencia zona superior = 0.04 P=1.3 Mppal=.0 Maec=-.3T m Cuantía zona inferior =1.49 Eficiencia zona inferior = 0.07 P=1.9 Mppal=.0 Maec=-.5T m Relación Mínima Col/Vig=1.5(Viga:V-07)

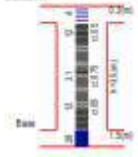
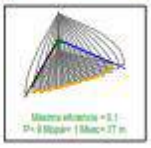
A-8

Norma: NSR-10 DMO
Volumen sin nudos= 0.3 m3 Peso del refuerzo= 125.2 Kg Cuantía= 447.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.1Ton (COMB2Max) Sec= .2Ton (COMB6Max) V. plástico Ppal=2 Sec=4Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		F'c = 21 Mpa Cuantía zona superior =1.49 Eficiencia zona superior = 0.05 P=1.5 Mppal=.0 Maec=-.3T m Cuantía zona inferior =1.49 Eficiencia zona inferior = 0.07 P=1.5 Mppal=.0 Maec=-.5T m Relación Mínima Col/Vig=1.5(Viga:V-07)

A-8.2

Norma: NSR-10 DMO
Volumen sin nudos= 0.1 m3 Peso del refuerzo= 57.3 Kg Cuantía= 409.6 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.1Ton (COMB2Max) Sec= .0Ton (COMB6Max) V. plástico Ppal=1 Sec=1Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 75mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		F'c = 21 Mpa Cuantía zona superior =1.29 Eficiencia zona superior = 0.08 P=1.1 Mppal=-.1 Maec=-.0T m Cuantía zona inferior =1.29 Eficiencia zona inferior = 0.08 P=.9 Mppal=-.1 Maec=-.1T m Relación Mínima Col/Vig=.6(Viga:V-02)

A-8.1

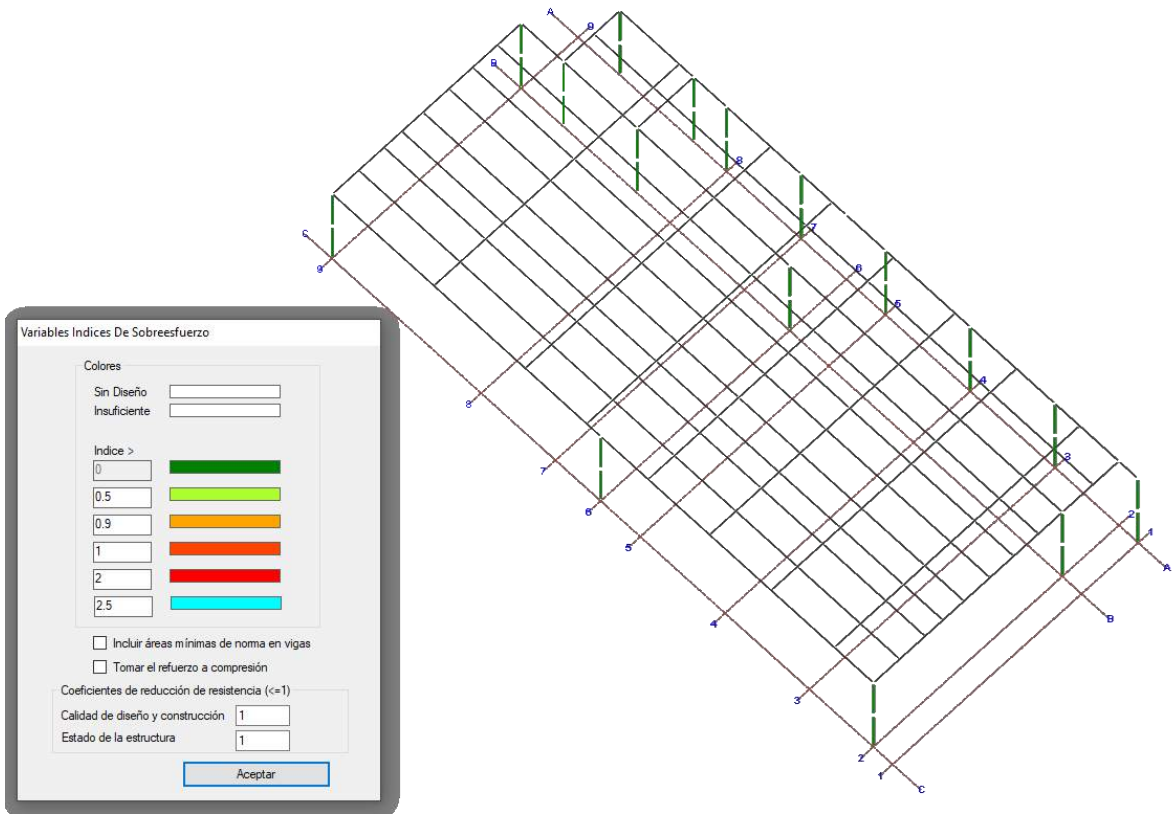
Norma: NSR-10 DMO
Volumen sin nudos= 0.1 m3 Peso del refuerzo= 57.3 Kg Cuantía= 409.6 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION



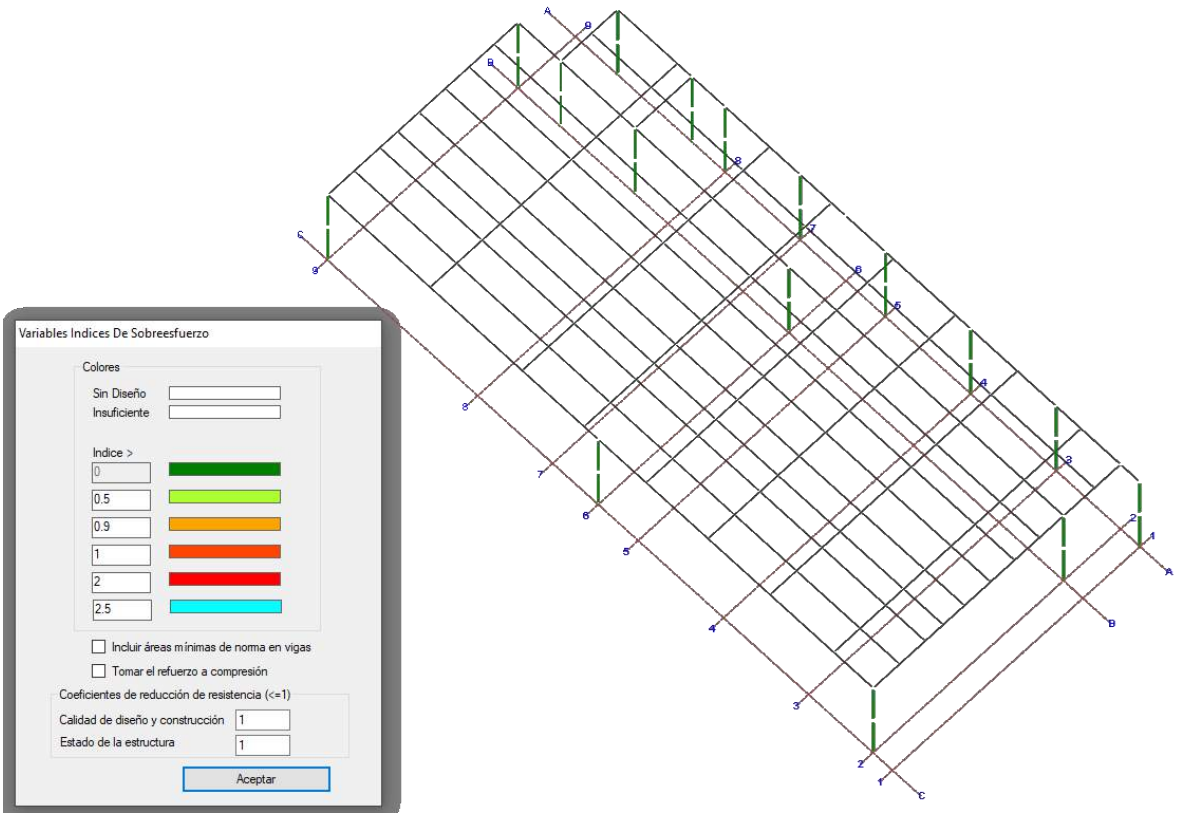


INDICES DE SOBREESFUERZO COLUMNAS FLEXO-COMPRESIÓN


Variables Indices De Sobreesfuerzo
Colores
Sin Diseño
Insuficiente
Indice >
0
0.5
0.9
1
2
2.5
Incluir áreas mínimas de norma en vigas
Tomar el refuerzo a compresión
Coeficientes de reducción de resistencia (<=1)
Calidad de diseño y construcción
1
Estado de la estructura
1
Aceptar

Columna	Vano	Posición	Indice
B-8.2	Vano 1	Flexo Compresión Abajo	0.0736
B-8.2	Vano 1	Flexo Compresión Arriba	0.0593
B-8.1	Vano 1	Flexo Compresión Abajo	0.0906
B-8.1	Vano 1	Flexo Compresión Arriba	0.0989
C-9	Vano 1	Flexo Compresión Abajo	0.1573
C-9	Vano 1	Flexo Compresión Arriba	0.1702
C-6	Vano 1	Flexo Compresión Abajo	0.1134
C-6	Vano 1	Flexo Compresión Arriba	0.0130
C-2	Vano 1	Flexo Compresión Abajo	0.1500
C-2	Vano 1	Flexo Compresión Arriba	0.2308
B-9	Vano 1	Flexo Compresión Abajo	0.1459
B-9	Vano 1	Flexo Compresión Arriba	0.0708
B-6	Vano 1	Flexo Compresión Abajo	0.1872
B-6	Vano 1	Flexo Compresión Arriba	0.2021
B-2	Vano 1	Flexo Compresión Abajo	0.1705
B-2	Vano 1	Flexo Compresión Arriba	0.3461
A-1	Vano 1	Flexo Compresión Abajo	0.0878
A-1	Vano 1	Flexo Compresión Arriba	0.0739
A-3	Vano 1	Flexo Compresión Abajo	0.0730
A-3	Vano 1	Flexo Compresión Arriba	0.0573
A-4	Vano 1	Flexo Compresión Abajo	0.0726
A-4	Vano 1	Flexo Compresión Arriba	0.0464
A-5	Vano 1	Flexo Compresión Abajo	0.0707
A-5	Vano 1	Flexo Compresión Arriba	0.0430
A-7	Vano 1	Flexo Compresión Abajo	0.0702
A-7	Vano 1	Flexo Compresión Arriba	0.0430
A-8	Vano 1	Flexo Compresión Abajo	0.0704
A-8	Vano 1	Flexo Compresión Arriba	0.0484
A-8.2	Vano 1	Flexo Compresión Abajo	0.0836
A-8.2	Vano 1	Flexo Compresión Arriba	0.0831
A-8.1	Vano 1	Flexo Compresión Abajo	0.0795
A-8.1	Vano 1	Flexo Compresión Arriba	0.0776

INDICES DE SOBREESFUERZO COLUMNAS CORTANTE

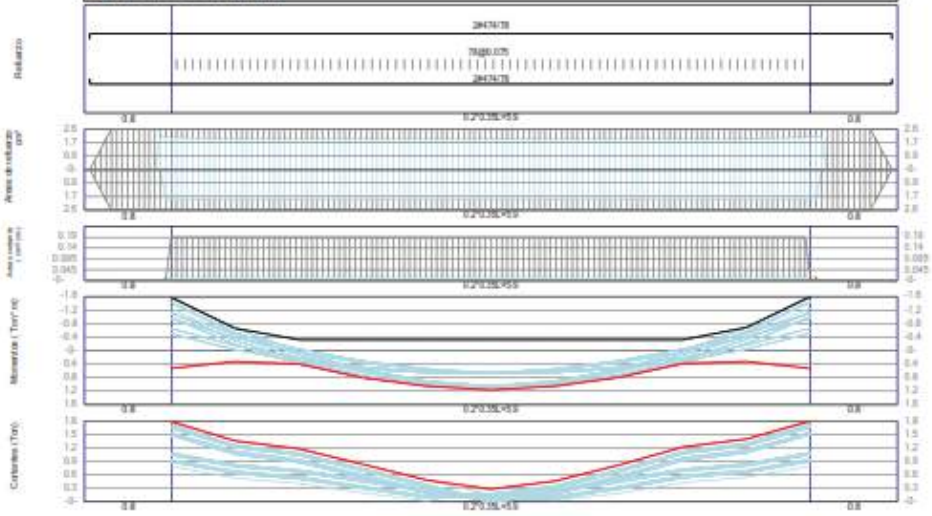


Columna	Vano	Posición	Indice
B-8.2	Vano 1	Cortante Abajo	0.0039
B-8.2	Vano 1	Cortante Arriba	0.0039
B-8.1	Vano 1	Cortante Abajo	0.0071
B-8.1	Vano 1	Cortante Arriba	0.0071
C-9	Vano 1	Cortante Abajo	0.0493
C-9	Vano 1	Cortante Arriba	0.0493
C-6	Vano 1	Cortante Abajo	0.0175
C-6	Vano 1	Cortante Arriba	0.0175
C-2	Vano 1	Cortante Abajo	0.0597
C-2	Vano 1	Cortante Arriba	0.0597
B-9	Vano 1	Cortante Abajo	0.0294
B-9	Vano 1	Cortante Arriba	0.0294
B-6	Vano 1	Cortante Abajo	0.0539
B-6	Vano 1	Cortante Arriba	0.0539
B-2	Vano 1	Cortante Abajo	0.0665
B-2	Vano 1	Cortante Arriba	0.0665
A-1	Vano 1	Cortante Abajo	0.0129
A-1	Vano 1	Cortante Arriba	0.0129
A-3	Vano 1	Cortante Abajo	0.0106
A-3	Vano 1	Cortante Arriba	0.0106
A-4	Vano 1	Cortante Abajo	0.0097
A-4	Vano 1	Cortante Arriba	0.0097
A-5	Vano 1	Cortante Abajo	0.0093
A-5	Vano 1	Cortante Arriba	0.0093
A-7	Vano 1	Cortante Abajo	0.0091
A-7	Vano 1	Cortante Arriba	0.0091
A-8	Vano 1	Cortante Abajo	0.0094
A-8	Vano 1	Cortante Arriba	0.0094
A-8.2	Vano 1	Cortante Abajo	0.0049
A-8.2	Vano 1	Cortante Arriba	0.0049
A-8.1	Vano 1	Cortante Abajo	0.0055
A-8.1	Vano 1	Cortante Arriba	0.0055

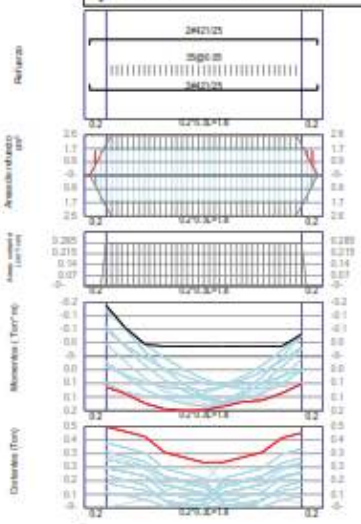
5.11.2 INDICES DE SOBRE ESFUERZO VIGAS

Nombre Principal	ALCALDIA LOCAL DE BARRIOS UNIDOS		
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado A	GUEVARA ALVAREZ INGENIEROS LTDA	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nombre	

Eje V-01 / CUBIERTA



Eje V-02 / CUBIERTA



Eje V-04 / CUBIERTA

Nombre Principal

ALCALDIA LOCAL DE BARRIOS UNIDOS

Nombre Auxiliar

Dirección

Propietario

Diseño Arquitectónico

DC-CAD3 Licenciado a

GUEVARA ALVAREZ INGENIEROS LTDA.

Contenido

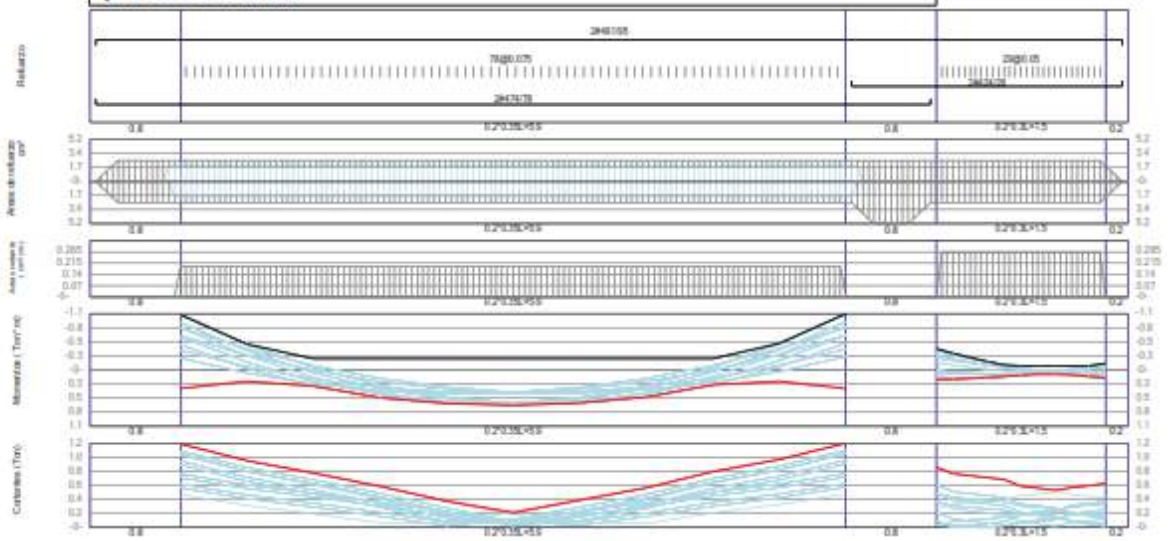
Memorias de Vigas

Norma

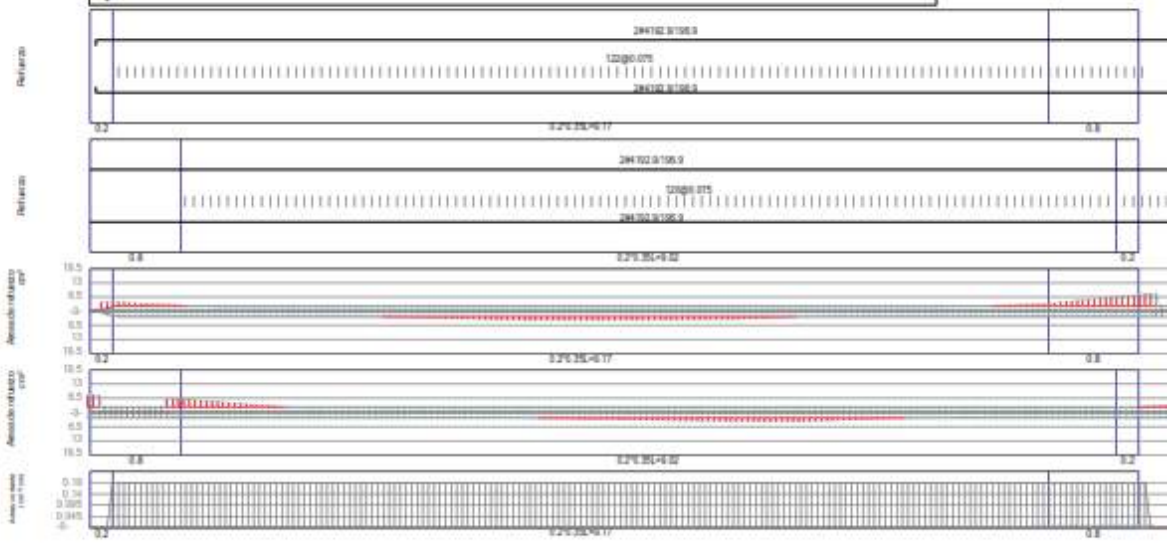
NSR-10 DMO

Código Nombre

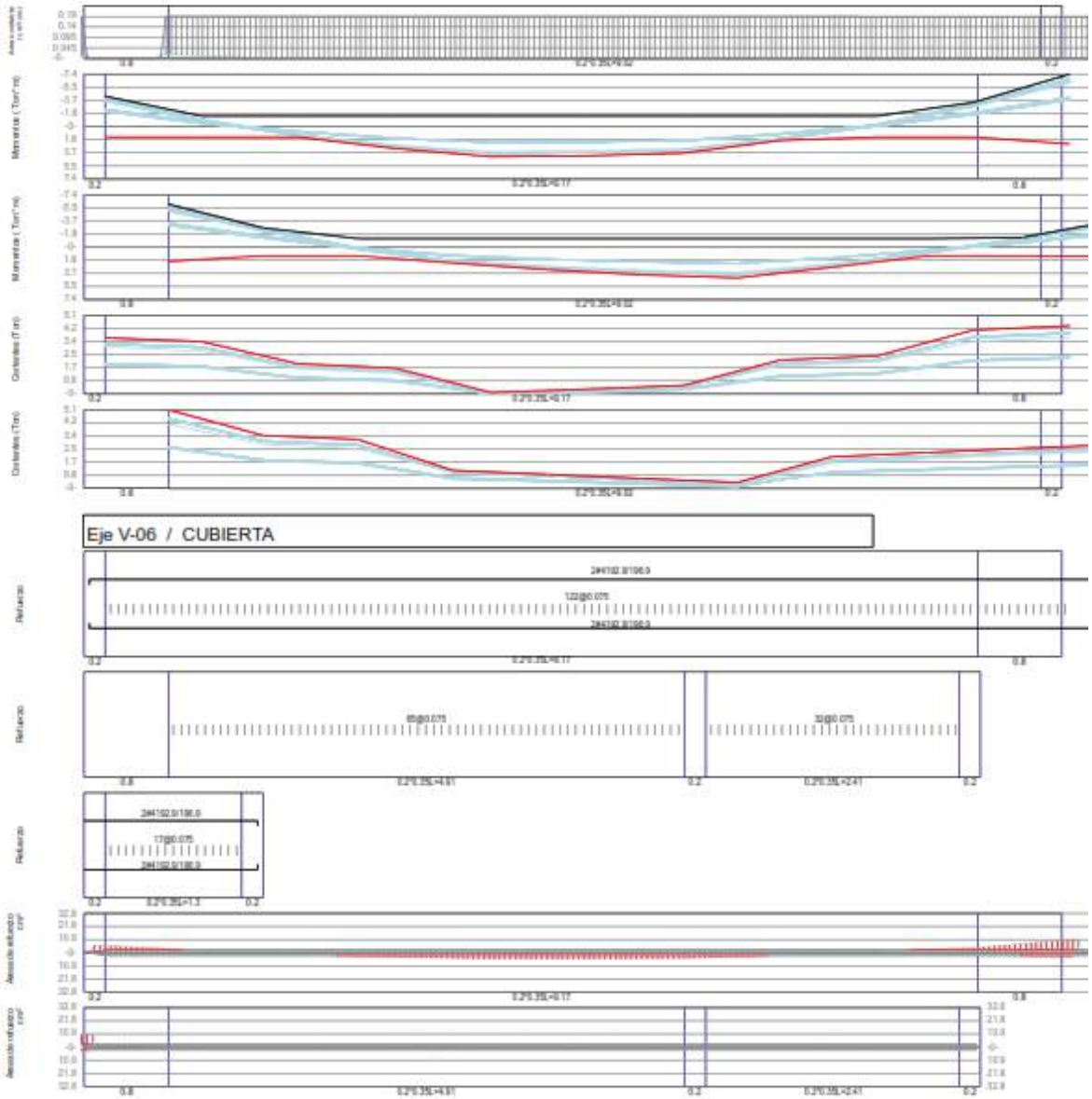
Eje V-04 / CUBIERTA

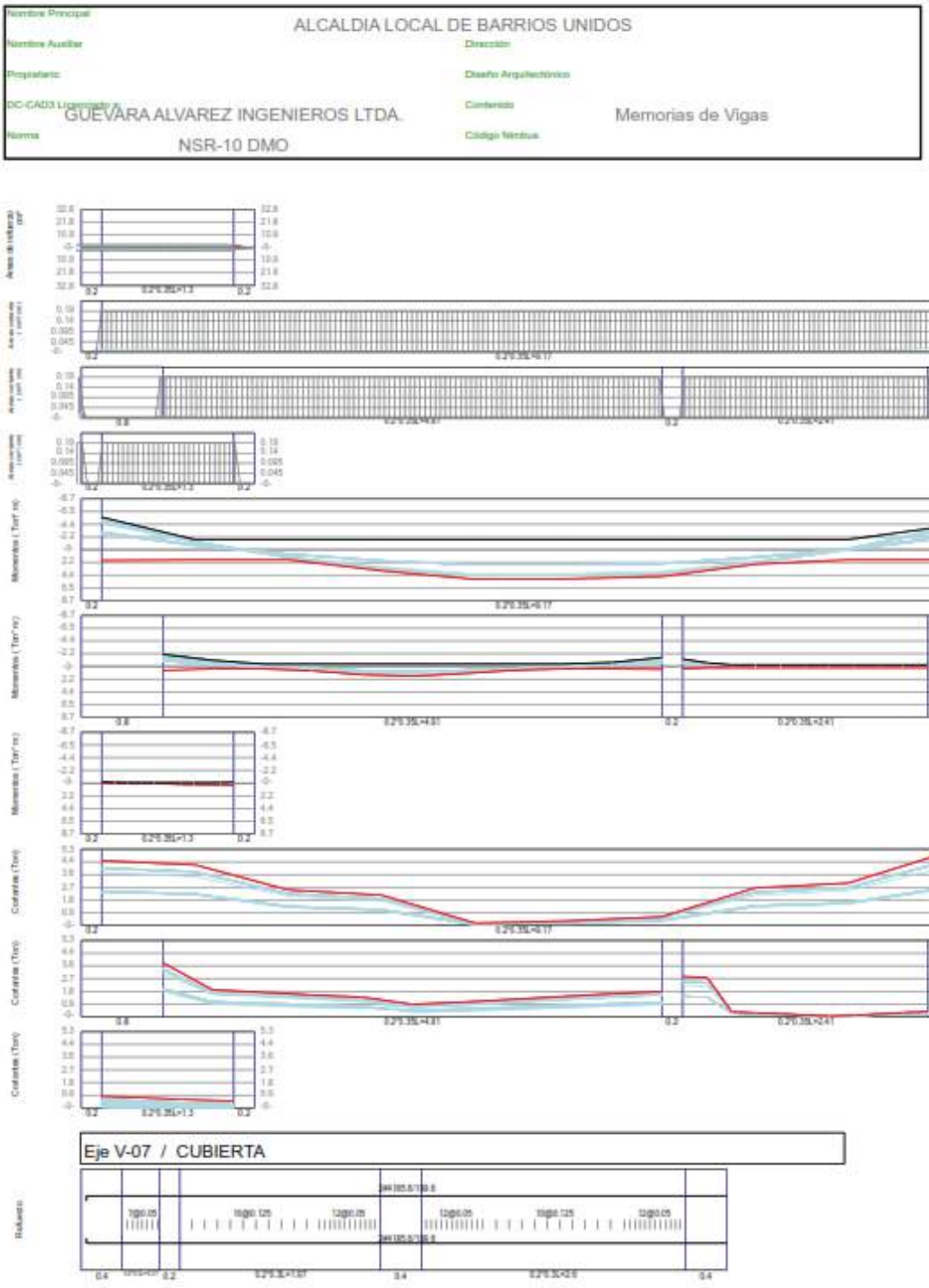


Eje V-05 / CUBIERTA




Nombre Principal
ALCALDIA LOCAL DE BARRIOS UNIDOS
Nombre Auxiliar
Dirección
Propietario
Diseño Arquitectónico
DC-CAD3 Licenciado a
GUEVARA ALVAREZ INGENIEROS LTDA.
Contenido
Memorias de Vigas
Norma
NSR-10 DMO
Código Nombre


Momentos (Ton*m)
Momentos (Ton*m)
Cortantes (Ton)
Cortantes (Ton)
Eje V-06 / CUBIERTA
Refuerzo
Refuerzo
Refuerzo
Asiento refuerzo cm²
Asiento refuerzo cm²


Nombre Principal
ALCALDIA LOCAL DE BARRIOS UNIDOS
Nombre Auxiliar
Dirección
Propietario
Diseño Arquitectónico
DC-CAD3 Licenciado a
GUEVARA ALVAREZ INGENIEROS LTDA.
Contenido
Memorias de Vigas
Norma
NSR-10 DMO
Código Nombre
Momentos (Ton*m)
Cortantes (Ton)
Eje V-07 / CUBIERTA
Refuerzo

Nombre Principal

ALCALDIA LOCAL DE BARRIOS UNIDOS

Nombre Auxiliar

Dirección

Propietario

Diseño Arquitectónico

DC-CAD3 Licenciado a

GUEVARA ALVAREZ INGENIEROS LTDA.

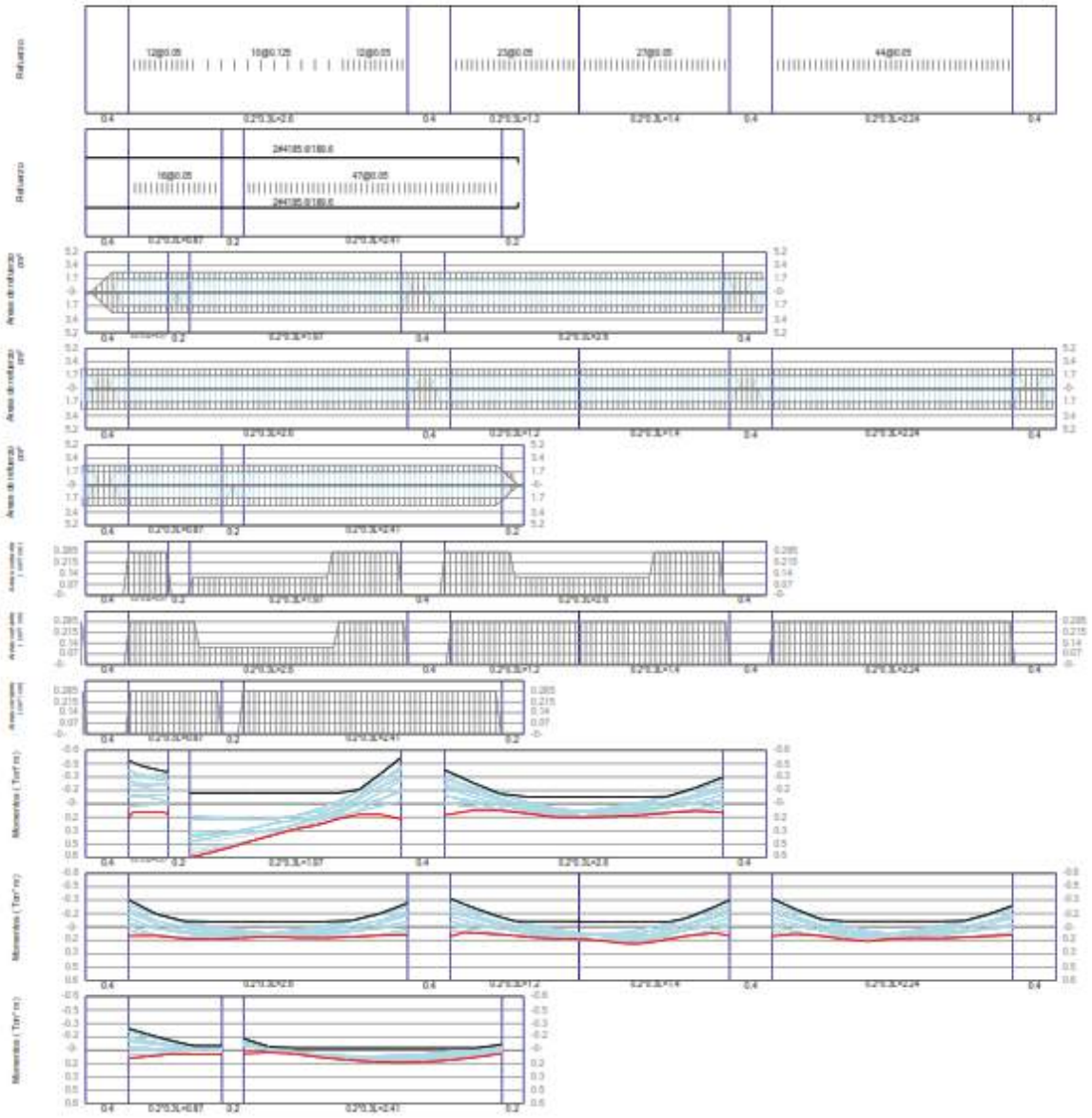
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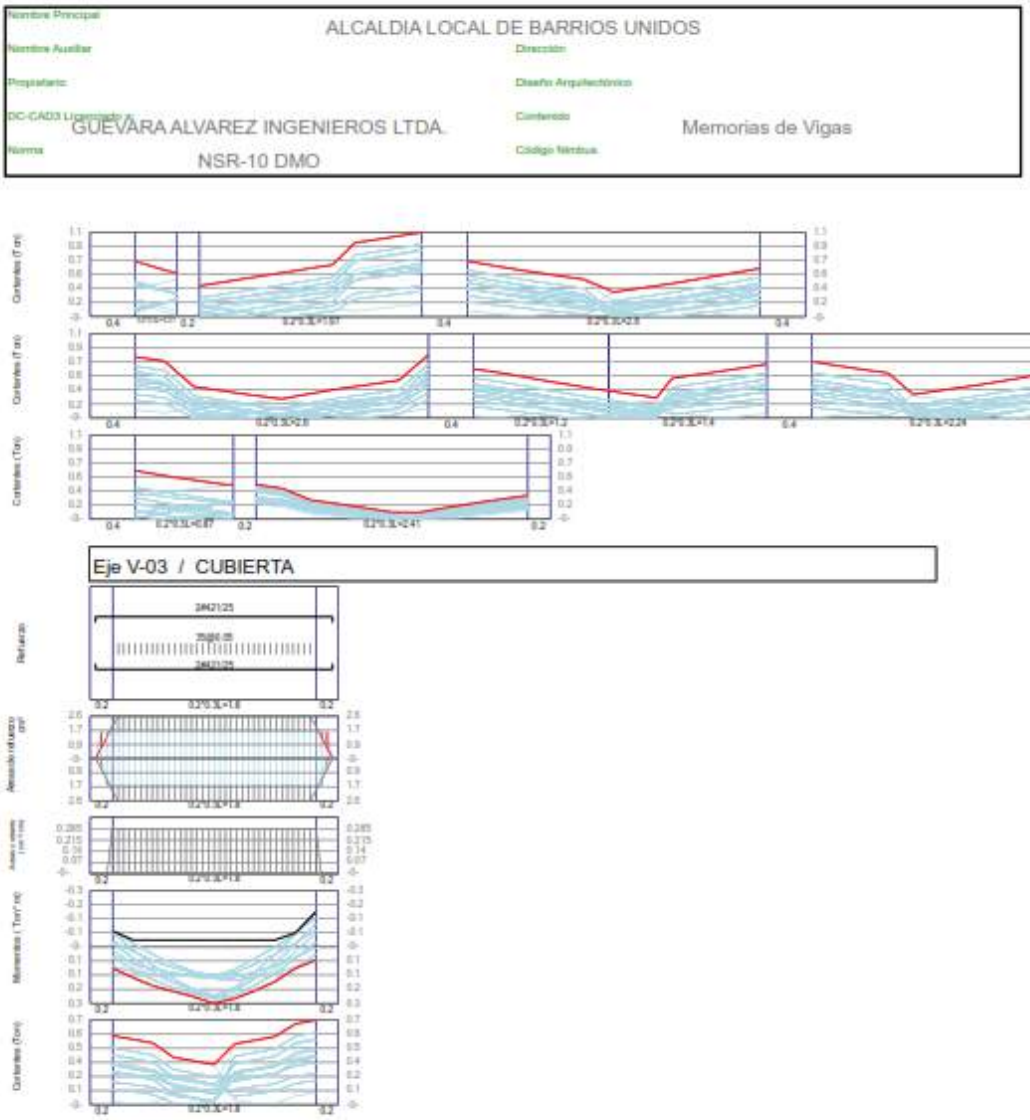
Memorias de Vigas

Norma

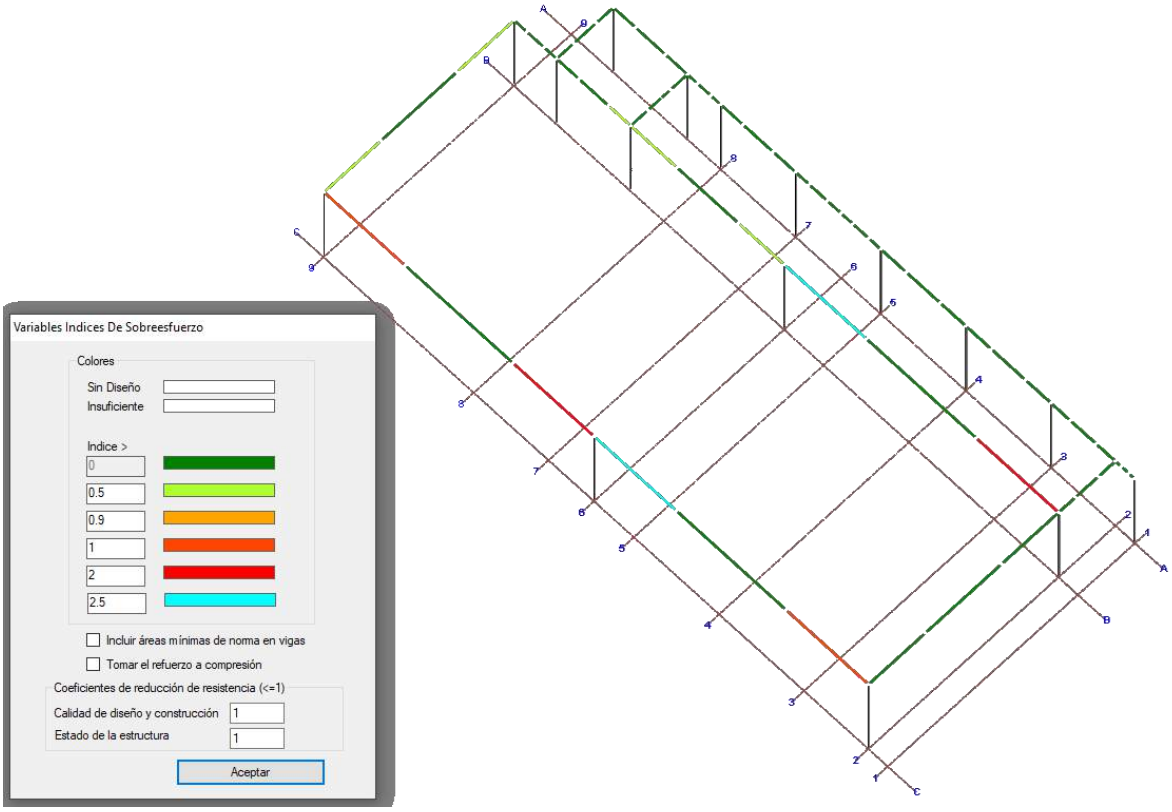
NSR-10 DMO

Código Nombre





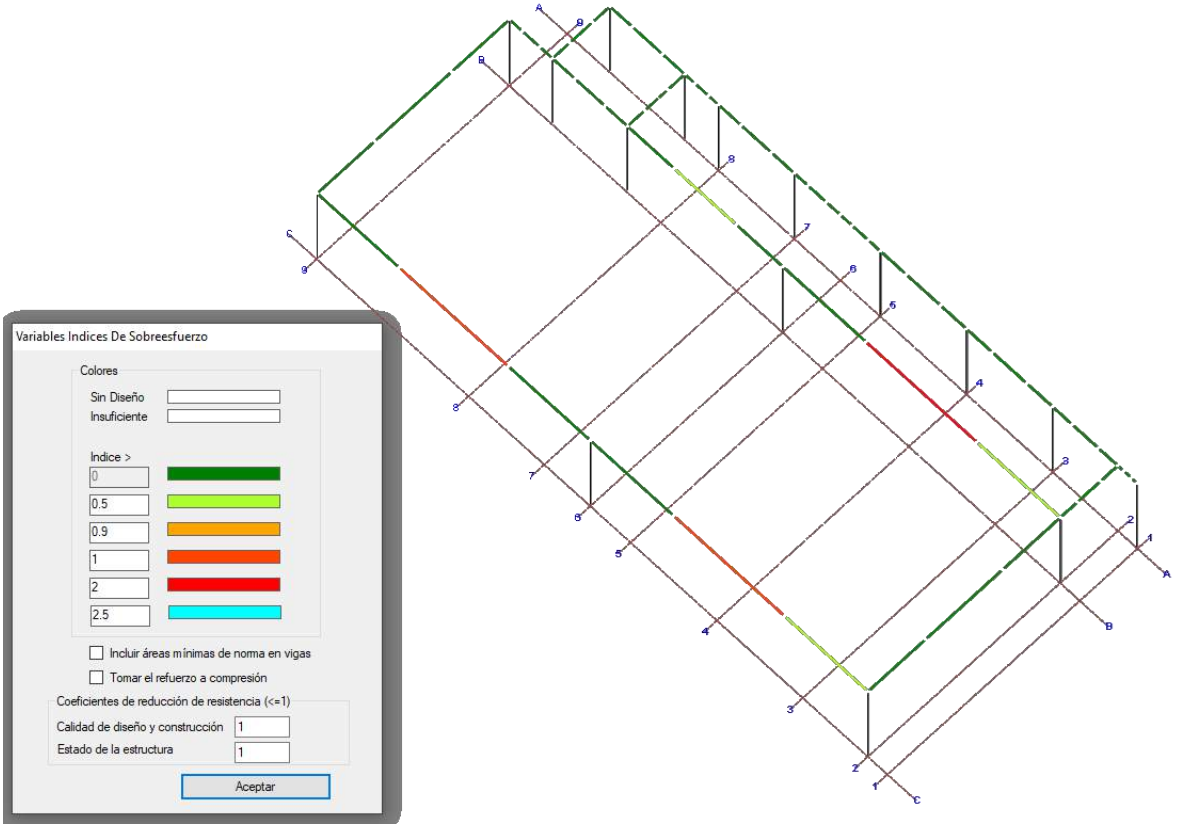
INDICES DE SOBREESFUERZO VIGAS MOMENTOS NEGATIVOS


Variables Indices De Sobreesfuerzo
Colores
Sin Diseño
Insuficiente
Indice >
0
0.5
0.9
1
2
2.5
Incluir áreas mínimas de norma en vigas
Tomar el refuerzo a compresión
Coeficientes de reducción de resistencia (<=1)
Calidad de diseño y construcción
1
Estado de la estructura
1
Aceptar

Viga	Vano	Posición	Indice	Suministrado
Eje V-01 / CUBIERTA	Vano 1	M Neg Nudo I	0.6190	2.548
Eje V-01 / CUBIERTA	Vano 1	M Neg centro	0.0000	2.548
Eje V-01 / CUBIERTA	Vano 1	M Neg Nudo J	0.6280	2.548
Eje V-02 / CUBIERTA	Vano 1	M Neg Nudo I	0.0800	1.854
Eje V-02 / CUBIERTA	Vano 1	M Neg centro	0.0000	2.051
Eje V-02 / CUBIERTA	Vano 1	M Neg Nudo J	0.0320	2.051
Eje V-04 / CUBIERTA	Vano 1	M Neg Nudo I	0.4210	2.548
Eje V-04 / CUBIERTA	Vano 1	M Neg centro	0.0000	2.548
Eje V-04 / CUBIERTA	Vano 1	M Neg Nudo J	0.4270	2.548
Eje V-04 / CUBIERTA	Vano 2	M Neg Nudo I	0.2020	2.051
Eje V-04 / CUBIERTA	Vano 2	M Neg centro	0.0810	2.051
Eje V-04 / CUBIERTA	Vano 2	M Neg Nudo J	0.0610	2.051
Eje V-05 / CUBIERTA	Vano 1	M Neg Nudo I	1.8330	2.31
Eje V-05 / CUBIERTA	Vano 1	M Neg centro	0.0000	2.548
Eje V-05 / CUBIERTA	Vano 1	M Neg Nudo J	2.8860	2.548
Eje V-05 / CUBIERTA	Vano 2	M Neg Nudo I	2.3640	2.548
Eje V-05 / CUBIERTA	Vano 2	M Neg centro	0.0000	2.548
Eje V-05 / CUBIERTA	Vano 2	M Neg Nudo J	1.5190	2.509
Eje V-06 / CUBIERTA	Vano 1	M Neg Nudo I	2.4160	2.31
Eje V-06 / CUBIERTA	Vano 1	M Neg centro	0.0000	2.548
Eje V-06 / CUBIERTA	Vano 1	M Neg Nudo J	3.4190	2.548
Eje V-06 / CUBIERTA	Vano 2	M Neg Nudo I	0.8180	2.548
Eje V-06 / CUBIERTA	Vano 2	M Neg centro	0.0000	2.548
Eje V-06 / CUBIERTA	Vano 2	M Neg Nudo J	0.5950	2.548
Eje V-06 / CUBIERTA	Vano 3	M Neg Nudo I	0.5000	2.548
Eje V-06 / CUBIERTA	Vano 3	M Neg centro	0.0280	2.548
Eje V-06 / CUBIERTA	Vano 3	M Neg Nudo J	0.0530	2.548
Eje V-06 / CUBIERTA	Vano 4	M Neg Nudo I	0.0840	2.548
Eje V-06 / CUBIERTA	Vano 4	M Neg centro	0.0200	2.548
Eje V-06 / CUBIERTA	Vano 4	M Neg Nudo J	0.0470	2.509
Eje V-07 / CUBIERTA	Vano 1	M Neg Nudo I	0.2520	2.051
Eje V-07 / CUBIERTA	Vano 1	M Neg centro	0.2240	2.051
Eje V-07 / CUBIERTA	Vano 1	M Neg Nudo J	0.1950	2.051
Eje V-07 / CUBIERTA	Vano 2	M Neg Nudo I	0.0000	2.051
Eje V-07 / CUBIERTA	Vano 2	M Neg centro	0.0140	2.051
Eje V-07 / CUBIERTA	Vano 2	M Neg Nudo J	0.2690	2.051
Eje V-07 / CUBIERTA	Vano 3	M Neg Nudo I	0.1980	2.051
Eje V-07 / CUBIERTA	Vano 3	M Neg centro	0.0110	2.051
Eje V-07 / CUBIERTA	Vano 3	M Neg Nudo J	0.1540	2.051
Eje V-07 / CUBIERTA	Vano 4	M Neg Nudo I	0.1570	2.051
Eje V-07 / CUBIERTA	Vano 4	M Neg centro	0.0080	2.051
Eje V-07 / CUBIERTA	Vano 4	M Neg Nudo J	0.1390	2.051
Eje V-07 / CUBIERTA	Vano 5	M Neg Nudo I	0.1640	2.051
Eje V-07 / CUBIERTA	Vano 5	M Neg centro	0.0790	2.051
Eje V-07 / CUBIERTA	Vano 5	M Neg Nudo J	0.0000	2.051

Eje V-07 / CUBIERTA	Vano 6	M Neg Nudo I	0.0000	2.051
Eje V-07 / CUBIERTA	Vano 6	M Neg centro	0.0480	2.051
Eje V-07 / CUBIERTA	Vano 6	M Neg Nudo J	0.1560	2.051
Eje V-07 / CUBIERTA	Vano 7	M Neg Nudo I	0.1630	2.051
Eje V-07 / CUBIERTA	Vano 7	M Neg centro	0.0080	2.051
Eje V-07 / CUBIERTA	Vano 7	M Neg Nudo J	0.1240	2.051
Eje V-07 / CUBIERTA	Vano 8	M Neg Nudo I	0.1270	2.051
Eje V-07 / CUBIERTA	Vano 8	M Neg centro	0.0780	2.051
Eje V-07 / CUBIERTA	Vano 8	M Neg Nudo J	0.0240	2.051
Eje V-07 / CUBIERTA	Vano 9	M Neg Nudo I	0.0660	2.051
Eje V-07 / CUBIERTA	Vano 9	M Neg centro	0.0000	2.051
Eje V-07 / CUBIERTA	Vano 9	M Neg Nudo J	0.0360	1.889
Eje V-03 / CUBIERTA	Vano 1	M Neg Nudo I	0.0420	1.854
Eje V-03 / CUBIERTA	Vano 1	M Neg centro	0.0000	2.051
Eje V-03 / CUBIERTA	Vano 1	M Neg Nudo J	0.0830	2.051

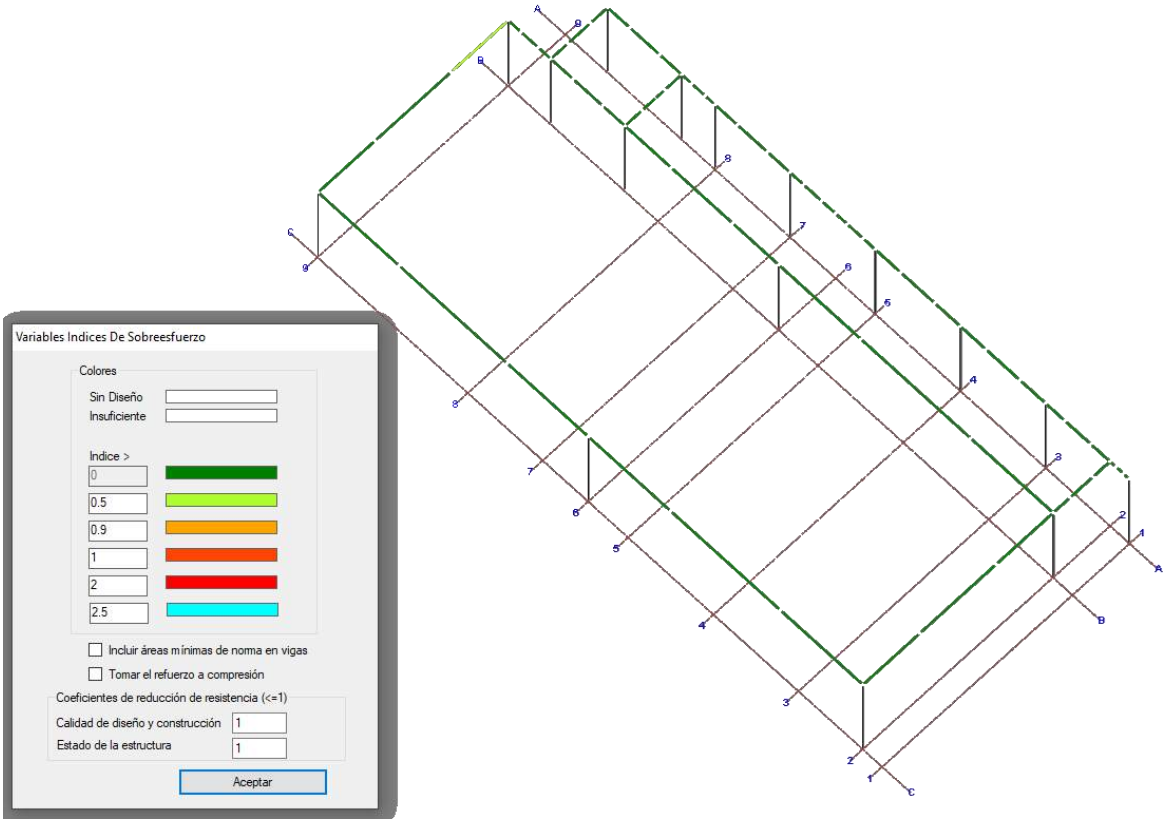
INDICES DE SOBREESFUERZO VIGAS MOMENTOS POSITIVOS



Viga	Vano	Posición	Indice	Suministrado
Eje V-01 / CUBIERTA	Vano 1	M Pos Nudo I	0.1550	2.548
Eje V-01 / CUBIERTA	Vano 1	M Pos centro	0.4560	2.548
Eje V-01 / CUBIERTA	Vano 1	M Pos Nudo J	0.1500	2.548
Eje V-02 / CUBIERTA	Vano 1	M Pos Nudo I	0.0670	2.051
Eje V-02 / CUBIERTA	Vano 1	M Pos centro	0.0770	2.051
Eje V-02 / CUBIERTA	Vano 1	M Pos Nudo J	0.0620	2.051
Eje V-04 / CUBIERTA	Vano 1	M Pos Nudo I	0.1230	2.548
Eje V-04 / CUBIERTA	Vano 1	M Pos centro	0.2690	2.548
Eje V-04 / CUBIERTA	Vano 1	M Pos Nudo J	0.1130	2.548
Eje V-04 / CUBIERTA	Vano 2	M Pos Nudo I	0.0890	2.051
Eje V-04 / CUBIERTA	Vano 2	M Pos centro	0.0700	2.051
Eje V-04 / CUBIERTA	Vano 2	M Pos Nudo J	0.0730	2.051
Eje V-05 / CUBIERTA	Vano 1	M Pos Nudo I	0.5430	2.548
Eje V-05 / CUBIERTA	Vano 1	M Pos centro	1.6570	2.548
Eje V-05 / CUBIERTA	Vano 1	M Pos Nudo J	0.0000	2.548
Eje V-05 / CUBIERTA	Vano 2	M Pos Nudo I	0.1310	2.548
Eje V-05 / CUBIERTA	Vano 2	M Pos centro	1.6890	2.548
Eje V-05 / CUBIERTA	Vano 2	M Pos Nudo J	0.3380	2.548
Eje V-06 / CUBIERTA	Vano 1	M Pos Nudo I	0.5780	2.548
Eje V-06 / CUBIERTA	Vano 1	M Pos centro	2.0010	2.548
Eje V-06 / CUBIERTA	Vano 1	M Pos Nudo J	0.0220	2.548
Eje V-06 / CUBIERTA	Vano 2	M Pos Nudo I	0.0490	2.548
Eje V-06 / CUBIERTA	Vano 2	M Pos centro	0.6650	2.548
Eje V-06 / CUBIERTA	Vano 2	M Pos Nudo J	0.0350	2.548
Eje V-06 / CUBIERTA	Vano 3	M Pos Nudo I	0.0000	2.548
Eje V-06 / CUBIERTA	Vano 3	M Pos centro	0.0200	2.548
Eje V-06 / CUBIERTA	Vano 3	M Pos Nudo J	0.0050	2.548
Eje V-06 / CUBIERTA	Vano 4	M Pos Nudo I	0.0000	2.548
Eje V-06 / CUBIERTA	Vano 4	M Pos centro	0.0940	2.548
Eje V-06 / CUBIERTA	Vano 4	M Pos Nudo J	0.1450	2.509
Eje V-07 / CUBIERTA	Vano 1	M Pos Nudo I	0.0170	2.051
Eje V-07 / CUBIERTA	Vano 1	M Pos centro	0.0100	2.051
Eje V-07 / CUBIERTA	Vano 1	M Pos Nudo J	0.0040	2.051
Eje V-07 / CUBIERTA	Vano 2	M Pos Nudo I	0.3130	2.051
Eje V-07 / CUBIERTA	Vano 2	M Pos centro	0.2150	2.051
Eje V-07 / CUBIERTA	Vano 2	M Pos Nudo J	0.0440	2.051
Eje V-07 / CUBIERTA	Vano 3	M Pos Nudo I	0.0360	2.051
Eje V-07 / CUBIERTA	Vano 3	M Pos centro	0.0790	2.051
Eje V-07 / CUBIERTA	Vano 3	M Pos Nudo J	0.0530	2.051
Eje V-07 / CUBIERTA	Vano 4	M Pos Nudo I	0.0680	2.051
Eje V-07 / CUBIERTA	Vano 4	M Pos centro	0.0710	2.051
Eje V-07 / CUBIERTA	Vano 4	M Pos Nudo J	0.0590	2.051
Eje V-07 / CUBIERTA	Vano 5	M Pos Nudo I	0.0350	2.051
Eje V-07 / CUBIERTA	Vano 5	M Pos centro	0.0640	2.051
Eje V-07 / CUBIERTA	Vano 5	M Pos Nudo J	0.0700	2.051

Eje V-07 / CUBIERTA	Vano 6	M Pos Nudo I	0.0860	2.051
Eje V-07 / CUBIERTA	Vano 6	M Pos centro	0.0980	2.051
Eje V-07 / CUBIERTA	Vano 6	M Pos Nudo J	0.0450	2.051
Eje V-07 / CUBIERTA	Vano 7	M Pos Nudo I	0.0520	2.051
Eje V-07 / CUBIERTA	Vano 7	M Pos centro	0.0840	2.051
Eje V-07 / CUBIERTA	Vano 7	M Pos Nudo J	0.0610	2.051
Eje V-07 / CUBIERTA	Vano 8	M Pos Nudo I	0.0470	2.051
Eje V-07 / CUBIERTA	Vano 8	M Pos centro	0.0320	2.051
Eje V-07 / CUBIERTA	Vano 8	M Pos Nudo J	0.0070	2.051
Eje V-07 / CUBIERTA	Vano 9	M Pos Nudo I	0.0230	2.051
Eje V-07 / CUBIERTA	Vano 9	M Pos centro	0.0720	2.051
Eje V-07 / CUBIERTA	Vano 9	M Pos Nudo J	0.0580	2.051
Eje V-03 / CUBIERTA	Vano 1	M Pos Nudo I	0.0920	2.051
Eje V-03 / CUBIERTA	Vano 1	M Pos centro	0.1330	2.051
Eje V-03 / CUBIERTA	Vano 1	M Pos Nudo J	0.0820	2.051

INDICES DE SOBRESFUERZO VIGAS CORTANTES


Variables Indices De Sobreesfuerzo
Colores
Sin Diseño
Insuficiente
Indice >
0
0.5
0.9
1
2
2.5
Incluir áreas mínimas de norma en vigas
Tomar el refuerzo a compresión
Coeficientes de reducción de resistencia (<=1)
Calidad de diseño y construcción
1
Estado de la estructura
1
Aceptar

Viga	Vano	Posición	Indice	Suministrado
Eje V-01 / CUBIERTA	Vano 1	Fuerza Cortante Nudo I	0.0740	24.215
Eje V-01 / CUBIERTA	Vano 1	Fuerza Cortante centro	0.0350	24.215
Eje V-01 / CUBIERTA	Vano 1	Fuerza Cortante Nudo J	0.5410	3.341
Eje V-02 / CUBIERTA	Vano 1	Fuerza Cortante Nudo I	0.0170	29.603
Eje V-02 / CUBIERTA	Vano 1	Fuerza Cortante centro	0.0120	29.603
Eje V-02 / CUBIERTA	Vano 1	Fuerza Cortante Nudo J	0.0160	29.603
Eje V-04 / CUBIERTA	Vano 1	Fuerza Cortante Nudo I	0.0490	24.215
Eje V-04 / CUBIERTA	Vano 1	Fuerza Cortante centro	0.0240	24.215
Eje V-04 / CUBIERTA	Vano 1	Fuerza Cortante Nudo J	0.3590	3.341
Eje V-04 / CUBIERTA	Vano 2	Fuerza Cortante Nudo I	0.3110	2.765
Eje V-04 / CUBIERTA	Vano 2	Fuerza Cortante centro	0.0240	29.603
Eje V-04 / CUBIERTA	Vano 2	Fuerza Cortante Nudo J	0.2260	2.765
Eje V-05 / CUBIERTA	Vano 1	Fuerza Cortante Nudo I	0.1490	24.215
Eje V-05 / CUBIERTA	Vano 1	Fuerza Cortante centro	0.0900	24.215
Eje V-05 / CUBIERTA	Vano 1	Fuerza Cortante Nudo J	0.1810	24.215
Eje V-05 / CUBIERTA	Vano 2	Fuerza Cortante Nudo I	0.2090	24.215
Eje V-05 / CUBIERTA	Vano 2	Fuerza Cortante centro	0.0840	24.215
Eje V-05 / CUBIERTA	Vano 2	Fuerza Cortante Nudo J	0.1170	24.215
Eje V-06 / CUBIERTA	Vano 1	Fuerza Cortante Nudo I	0.1860	24.215
Eje V-06 / CUBIERTA	Vano 1	Fuerza Cortante centro	0.1080	24.215
Eje V-06 / CUBIERTA	Vano 1	Fuerza Cortante Nudo J	0.2200	24.215
Eje V-06 / CUBIERTA	Vano 2	Fuerza Cortante Nudo I	0.1560	24.215
Eje V-06 / CUBIERTA	Vano 2	Fuerza Cortante centro	0.0630	24.215
Eje V-06 / CUBIERTA	Vano 2	Fuerza Cortante Nudo J	0.0730	24.215
Eje V-06 / CUBIERTA	Vano 3	Fuerza Cortante Nudo I	0.1160	24.215
Eje V-06 / CUBIERTA	Vano 3	Fuerza Cortante centro	0.0110	24.215
Eje V-06 / CUBIERTA	Vano 3	Fuerza Cortante Nudo J	0.0150	24.215
Eje V-06 / CUBIERTA	Vano 4	Fuerza Cortante Nudo I	0.0340	24.215
Eje V-06 / CUBIERTA	Vano 4	Fuerza Cortante centro	0.0290	24.215
Eje V-06 / CUBIERTA	Vano 4	Fuerza Cortante Nudo J	0.0220	24.215
Eje V-07 / CUBIERTA	Vano 1	Fuerza Cortante Nudo I	0.2630	2.765
Eje V-07 / CUBIERTA	Vano 1	Fuerza Cortante centro	0.0230	29.603
Eje V-07 / CUBIERTA	Vano 1	Fuerza Cortante Nudo J	0.0200	29.603
Eje V-07 / CUBIERTA	Vano 2	Fuerza Cortante Nudo I	0.1460	2.765
Eje V-07 / CUBIERTA	Vano 2	Fuerza Cortante centro	0.0500	13.5
Eje V-07 / CUBIERTA	Vano 2	Fuerza Cortante Nudo J	0.3990	2.765
Eje V-07 / CUBIERTA	Vano 3	Fuerza Cortante Nudo I	0.0250	29.603
Eje V-07 / CUBIERTA	Vano 3	Fuerza Cortante centro	0.0400	13.5
Eje V-07 / CUBIERTA	Vano 3	Fuerza Cortante Nudo J	0.0210	29.603
Eje V-07 / CUBIERTA	Vano 4	Fuerza Cortante Nudo I	0.2890	2.765
Eje V-07 / CUBIERTA	Vano 4	Fuerza Cortante centro	0.0280	13.5
Eje V-07 / CUBIERTA	Vano 4	Fuerza Cortante Nudo J	0.3000	2.765
Eje V-07 / CUBIERTA	Vano 5	Fuerza Cortante Nudo I	0.2320	2.765
Eje V-07 / CUBIERTA	Vano 5	Fuerza Cortante centro	0.0190	29.603
Eje V-07 / CUBIERTA	Vano 5	Fuerza Cortante Nudo J	0.0140	29.603

Eje V-07 / CUBIERTA	Vano 6	Fuerza Cortante Nudo I	0.0120	29.603
Eje V-07 / CUBIERTA	Vano 6	Fuerza Cortante centro	0.0210	29.603
Eje V-07 / CUBIERTA	Vano 6	Fuerza Cortante Nudo J	0.0240	29.603
Eje V-07 / CUBIERTA	Vano 7	Fuerza Cortante Nudo I	0.2670	2.765
Eje V-07 / CUBIERTA	Vano 7	Fuerza Cortante centro	0.0200	29.603
Eje V-07 / CUBIERTA	Vano 7	Fuerza Cortante Nudo J	0.0210	29.603
Eje V-07 / CUBIERTA	Vano 8	Fuerza Cortante Nudo I	0.2300	2.765
Eje V-07 / CUBIERTA	Vano 8	Fuerza Cortante centro	0.0190	29.603
Eje V-07 / CUBIERTA	Vano 8	Fuerza Cortante Nudo J	0.1630	2.765
Eje V-07 / CUBIERTA	Vano 9	Fuerza Cortante Nudo I	0.0150	29.603
Eje V-07 / CUBIERTA	Vano 9	Fuerza Cortante centro	0.0070	29.603
Eje V-07 / CUBIERTA	Vano 9	Fuerza Cortante Nudo J	0.1130	2.765
Eje V-03 / CUBIERTA	Vano 1	Fuerza Cortante Nudo I	0.0200	29.603
Eje V-03 / CUBIERTA	Vano 1	Fuerza Cortante centro	0.0190	29.603
Eje V-03 / CUBIERTA	Vano 1	Fuerza Cortante Nudo J	0.0240	29.603

5.11.3 CHEQUEO DEFORMACIONES VIGAS

CHEQUEO VIGAS -DEFLEXIONES

Materiales

Concreto	21	Mpa	Ec=	17872.0	Mpa	n=	11.19
Acero	420	Mpa	Es=	200000	Mpa	d`=	5 cm

Calculo de deflexiones a largo plazo debido a Cargas Permanentes

VIGA	L (m)	B (cm)	H (cm)	Ig (cm^4)	Mcm (kN.m)	fr Mpa	Mcr (kN.m)	x (cm)	Icr (cm^4)	Ie (cm^4)	ρ	ρ min	As req (cm^2)	Var.#	CANT
VIG-01	6.70	20.00	35.00	71458.33	7.03	2.841	11.602	7.913	17135.70	71458.33	0.00104	0.0033	1.980	4	2
VIG-06	9.52	20.00	35.00	71458.33	24.02	2.841	11.602	7.913	17135.70	23257.99	0.00367	0.0033	2.204	4	2
VIG-07	9.67	20.00	35.00	71458.33	27.36	2.841	11.602	7.913	17135.70	21278.65	0.00421	0.0033	2.525	4	2

DEFORMACION POR CARGA MUERTA			
VIGA	As real (cm^2)	Wcm (kN/m)	Deflex. CM (cm)
VIG-01	2.534	1.253	0.257
VIG-06	2.534	2.120	5.455
VIG-07	2.534	2.341	7.007

Calculo de deflexiones inmediatas debido a Cargas vivas

VIGA	L (m)	B (cm)	H (cm)	Ig (cm^4)	Mcv (kN.m)	fr Mpa	Mcr (kN.m)	x (cm)	Icr (cm^4)	Ie (cm^4)	ρ	ρ min	As req (cm^2)	Var.#	CANT
VIG-01	6.70	20.00	35.00	71458.33	1.76	2.841	11.602	7.913	17135.70	71458.33	0.00026	0.0033	1.980	4	2
VIG-06	9.52	20.00	35.00	71458.33	7.92	2.841	11.602	7.913	17135.70	71458.33	0.00118	0.0033	1.980	4	2
VIG-07	9.67	20.00	35.00	71458.33	9.40	2.841	11.602	7.913	17135.70	71458.33	0.00140	0.0033	1.980	4	2

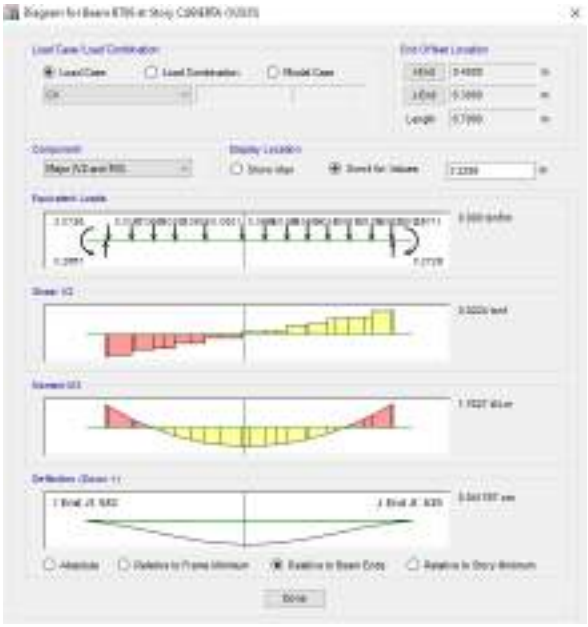
DEFORMACION POR CARGA VIVA					
VIGA	As real (cm^2)	Wcv (kN/m)	Deflex. Cv (cm)	Deflex MAX	ESTADO
VIG-01	2.534	0.314	0.065	L/360	OK
VIG-06	2.534	0.699	0.586	L/360	OK
VIG-07	2.534	0.805	0.717	L/360	OK

DEFORMACIONES A LARGO PLAZO								
VIGA	Deflex. (cm)	ρ	λΔ 5 AÑOS	Deflexion 5 AÑOS	Deformacion Total	DEFLEXION MAXIMA	Deflex. Max (cm)	ESTADO
VIG-01	0.257	0.00422	1.651	0.425	0.490	L/480	1.396	OK
VIG-06	5.455	0.00422	1.651	9.008	9.594	L/480	1.983	NO CUMPLE
VIG-07	7.007	0.00422	1.651	11.571	12.288	L/480	2.015	NO CUMPLE

CHEQUEO VIGAS -DEFLEXIONES

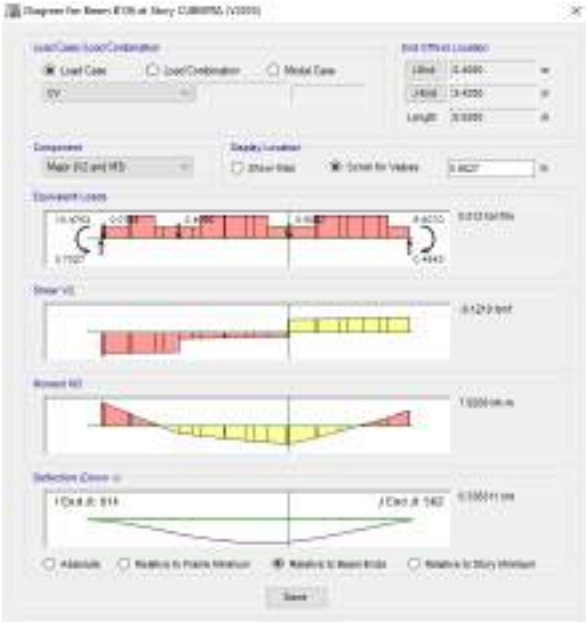
VIG-01



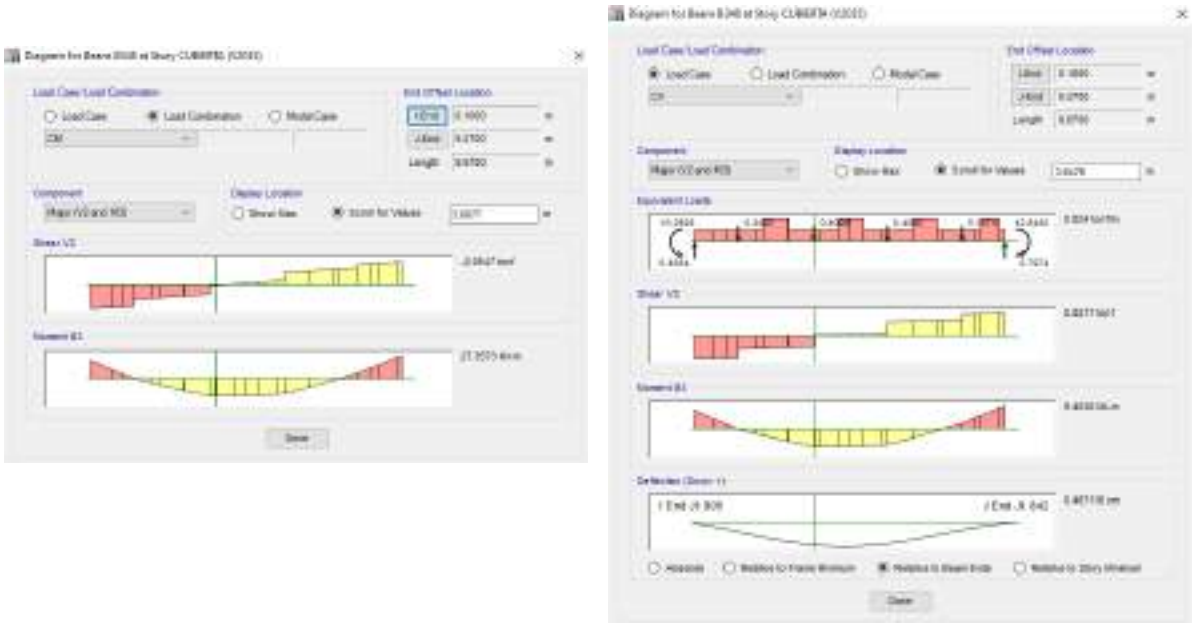


VIG-06





VIG-07



5.12 REVISION ELEMENTOS DE CUBIERTA

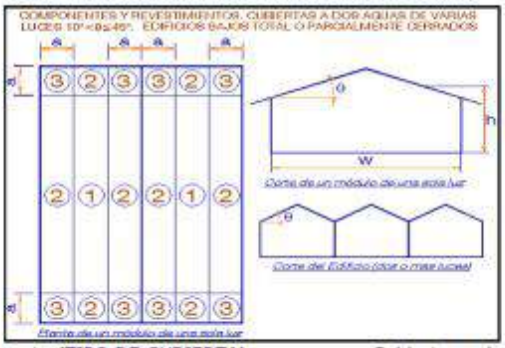
Fuerzas de Viento NSR-10

Análisis para Etapa:	Funcionamiento
Tipo Edificación:	Componentes y Revestimientos
Sistema Estructural:	Porticos en Concreto
Clasificación de la Estructura:	Cerrado
Altura media de Cubierta (m):	4.465
Tipo de Elemento de Revestimiento:	Cubiertas
Tipo de Cubierta del Elemento:	Cubiertas a dos aguas varias luces
Longitud del Elemento (m):	3.76
Ancho Aferente del Elemento (m):	1.13
Dimensión Horizontal de la Estructura (Paralela al Viento) (L) (m):	8.7
Dimensión Horizontal de la Estructura (Normal al Viento) (B) (m):	19.86
Ángulo de la Cubierta (°)	18
Velocidad de Viento Básica (Km/h) (Ver Mapa):	100
Grupo de Uso de la Estructura:	III
Región de la Estructura (m):	Región sin huracanes
Rugosidad del Terreno:	Rugosidad B
Categoria de Exposición:	B
La Estructura cumple TODOS los Efectos Topográficos (Ver Ayuda):	No

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

CORPACERO Pioneros, Líderes y Expertos	Memorias de cálculo **ANALISIS DE CARGAS DE VIENTO NSR - 10 (Procedimiento Analítico)**	Fecha mayo 9 / 2022
	Proyecto **ALCALDIA BARRIOS UNIDOS - CUBIERTA ESTRUCTURA PORTICOS**	Aprobó

TIPO DE ESTRUCTURA: **Componentes y Revestimientos**



Tipo de Cubierta a la que pertenece el Elemento (TIPO DE CUBIERTA):	Cubiertas a dos aguas varias luces
Longitud del Elemento (m):	3.76
Aferencia del Elemento (Separación entre Correas) (m):	1.13
Área Efectiva contra Viento (m²):	4.25
Altura Media de la Estructura (h) (m):	4.46
Dimensión Horizontal de la Estructura (Paralela al Viento) (L) (m):	8.7
Dimensión Horizontal de la Estructura (Normal al Viento) (B) (m):	19.86
Ángulo de Inclinación de la Cubierta (Barlovento) :	18
Ángulo de Inclinación de la Cubierta (Sotavento) :	0
Periódo del Edificio (T) (seg):	0.18
Clasificación de la Estructura:	
ESTRUCTURA:	RIGIDA
EDIFICIO:	Cerrado
EDIFICIO:	Bajo
FLUJO DE VIENTO:	
TIPO DE CUBIERTA:	Una Pendiente
Velocidad de Viento Básica (Según Mapa) (V) (m/s):	28
Factor de Dirección de Viento (Kd):	0.85
Uso de la Estructura (grupo):	III
Tipo de Región de la Estructura (Clase):	Región sin huracanes
Factor de Importancia (I):	1.15

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Rugosidad de Terreno :	Rugosidad B
Altura de la Estructura por encima del Terreno (Z) (m):	9
Exponente para la ley potencial de la velocidad de ráfaga de 3 seg. (α) (-):	7
Altura nominal de la Capa Atmosférica Limite (Zg) (m):	365.8
Categoría de Exposición :	B
Coeficiente de Exposición de Presión por Velocidad (Kh):	0.7
Su Estructura cumple TODOS los Efectos Topográficos:	No
Factor Topográfico (Kzt):	1
Altura Equivalente de la Estructura (Zb) (m):	9
Factor de Escala de Longitud Integral (l) (m):	97.5
Exponente para la Ley Potencial (εb) (-):	1/3
Longitud Integral a Escala de la Turbulencia (Lzb) (m):	94.14
Factor de Respuesta del Entorno (Q) (-):	0.889
Intensidad de Turbulencia a la Altura zb (Izb) (-):	0.305
Factor Pico para Respuesta del Entorno y Viento respectivamente (gQ = gv) (-):	3.4
Velocidad de Viento Promedia por una hora a una altura z (Vbzb) (m/s):	12.272
Coeficiente de Amortiguamiento Critico (β) (-):	0.02
Frecuencia Natural del Edificio (η1) (Hz):	5.52
Frecuencia para RL (ηRL) (Hz):	60.263
Frecuencia para RB (ηRB) (Hz):	41.091
Frecuencia para Rh (ηRh) (Hz):	9.228
Factor de Respuesta para L (RL) (-):	0.016
Factor de Respuesta para B (RB) (-):	0.024
Factor de Respuesta para h (Rh) (-):	0.102
Frecuencia Reducida (N1) (-):	42.341
Valor (Rn) (-):	0.013
Factor de Respuesta de Resonancia (R) (-):	0.029
Factor Pico para Respuesta de Resonancia (gR) (-):	4.579
Presión de Velocidad (qh) (Kg/m²):	32.762
Factor de Efecto Ráfaga (G) (-):	0.86

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Coeficiente de Presión Interna (GCpi+) (-):	0.18
Coeficiente de Presión Interna (GCpi-) (-):	-0.18
a (m):	1

Coeficientes de Presión Externa CUBIERTA Edificios Bajos (C & R):

Zona 1	GCp+ (-)	0.494
	GCp- (-)	-1.494
Zona 2	GCp+ (-)	0.494
	GCp- (-)	-1.937
Zona 2'	GCp+ (-)	0.00
	GCp- (-)	0.00
Zona 3	GCp+ (-)	0.494
	GCp- (-)	-1.937
Zona 3'	GCp+ (-)	0.00
	GCp- (-)	0.00

Presiones de Diseño CUBIERTA (Cubiertas a dos aguas de varias luces 10° < θ ≤ 45°) Edificios Bajos (C & R):

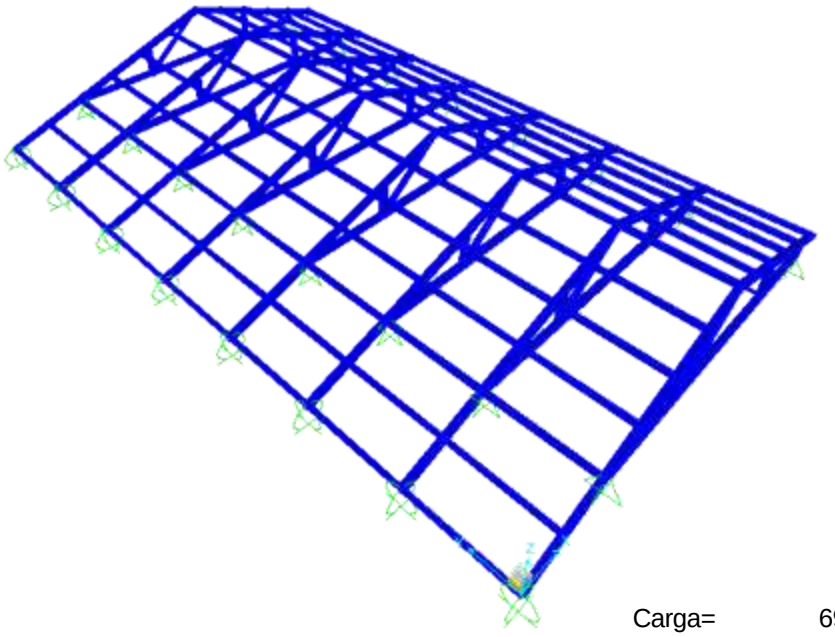
Zona 1	P. Dis. con GCp+ y con GCpi+ (kg/m²)	10.287
	P. Dis. con GCp+ y con GCpi- (kg/m²)	22.082
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-54.844
	P. Dis. con GCp- y con GCpi- (kg/m²)	-43.05
Zona 2	P. Dis. con GCp+ y con GCpi+ (kg/m²)	10.287
	P. Dis. con GCp+ y con GCpi- (kg/m²)	22.082
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-69.358
	P. Dis. con GCp- y con GCpi- (kg/m²)	-57.563
Zona 3	P. Dis. con GCp+ y con GCpi+ (kg/m²)	10.287
	P. Dis. con GCp+ y con GCpi- (kg/m²)	22.082
	P. Dis. con GCp- y con GCpi+ (kg/m²)	-69.358
	P. Dis. con GCp- y con GCpi- (kg/m²)	-57.563

*El NSR-10 (B.6.1.3) estipula que la presión de diseño no será menor de 0.40kN/m² (40 kg/m²)

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

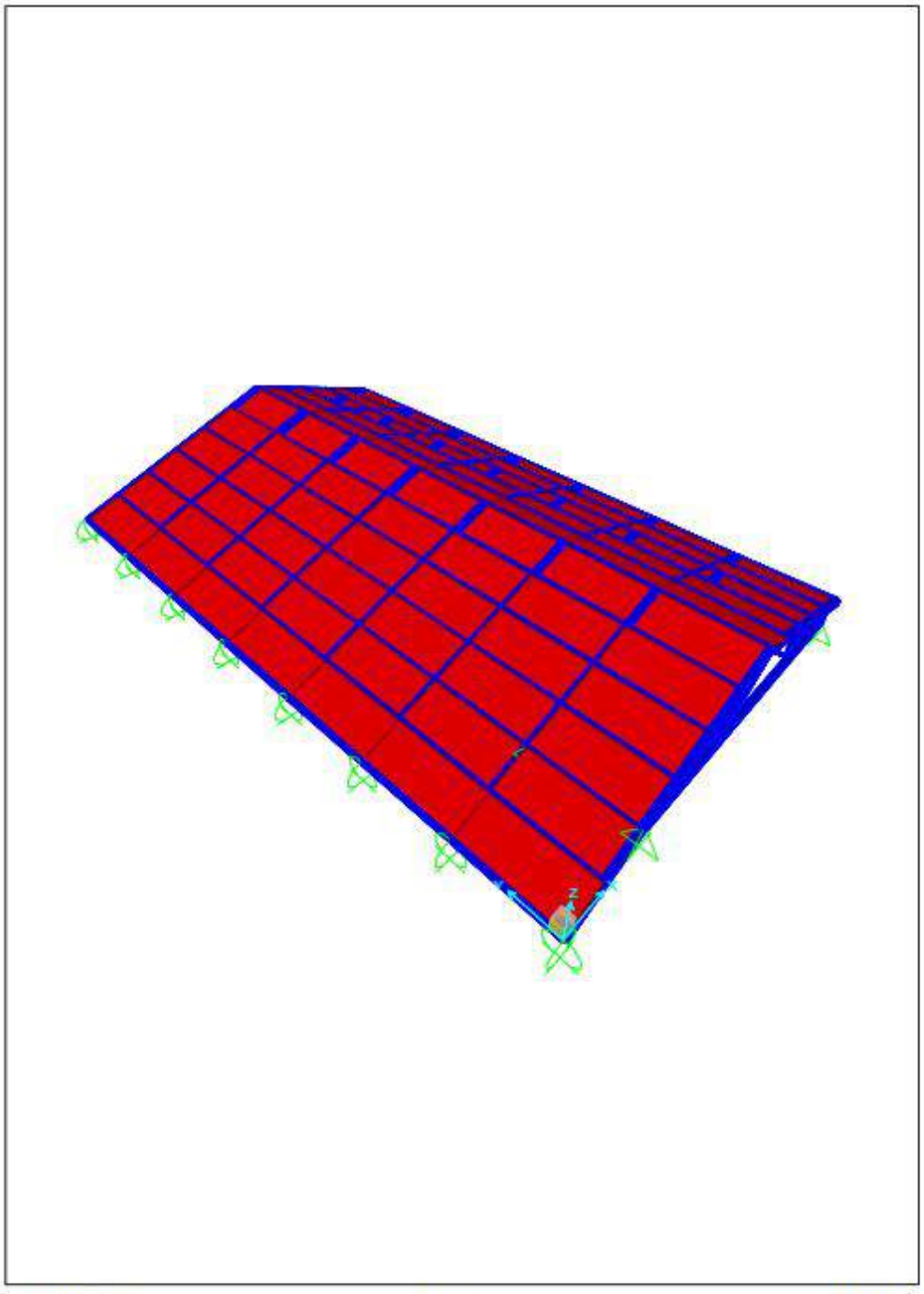
CUBIERTA METALICA		
EVALUACION DE CARGAS		
Carga Muerta Adicional (CM)		
Teja de Barro NSR-10	80	Kg/m²
Estrucutra Metalica	18	Kg/m²
Cielo Raso	10	Kg/m²
	108	Kg/m²
Carga Viva (CV)		
	50	Kg/m²
Carga Granizo (G)		
	50	Kg/m²
Carga De Viento (W)		

Según Analisis de viento



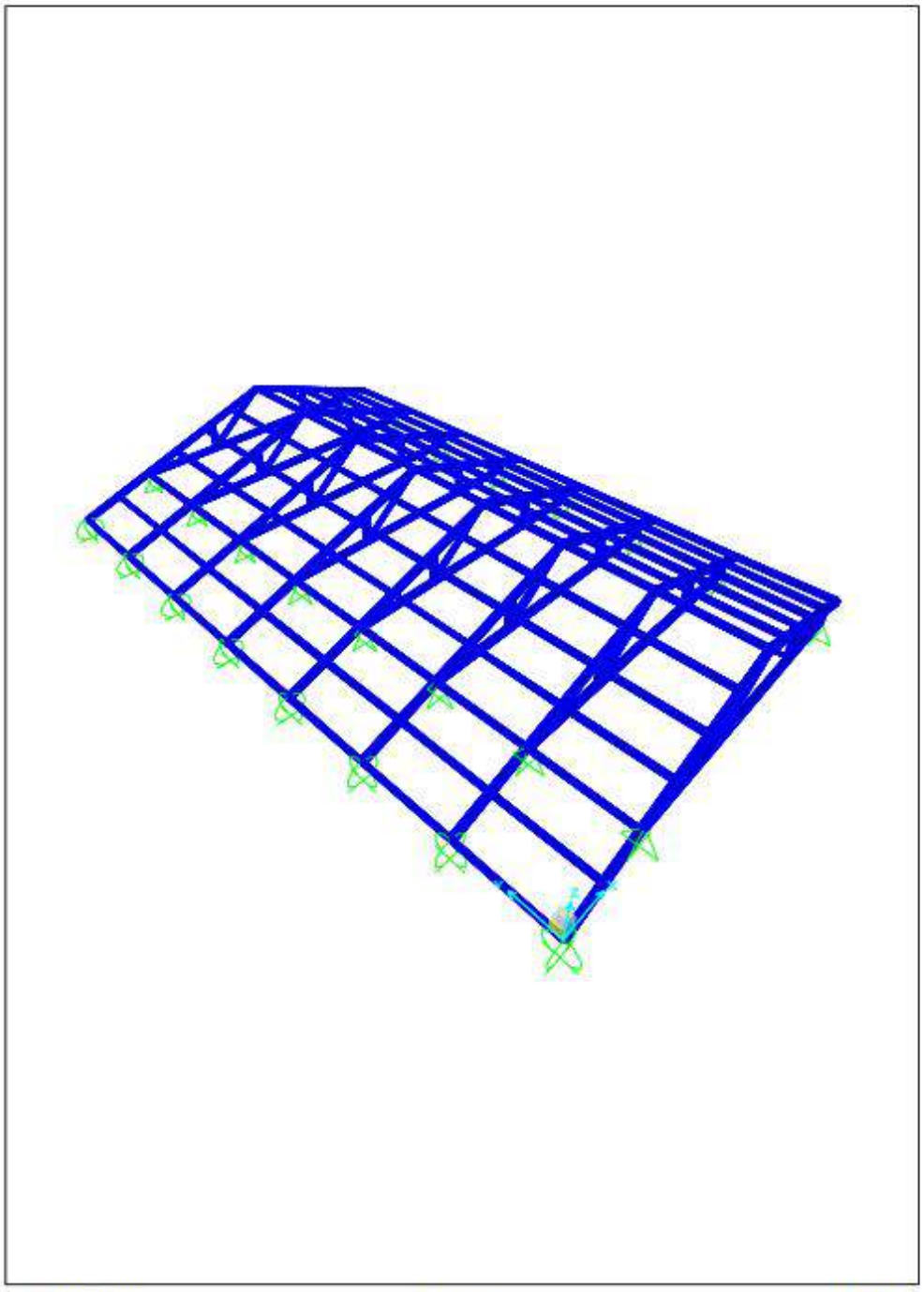
Carga= 69.4 Kg/m²

CERCHA METALICA TIPO CHM 1.sdb



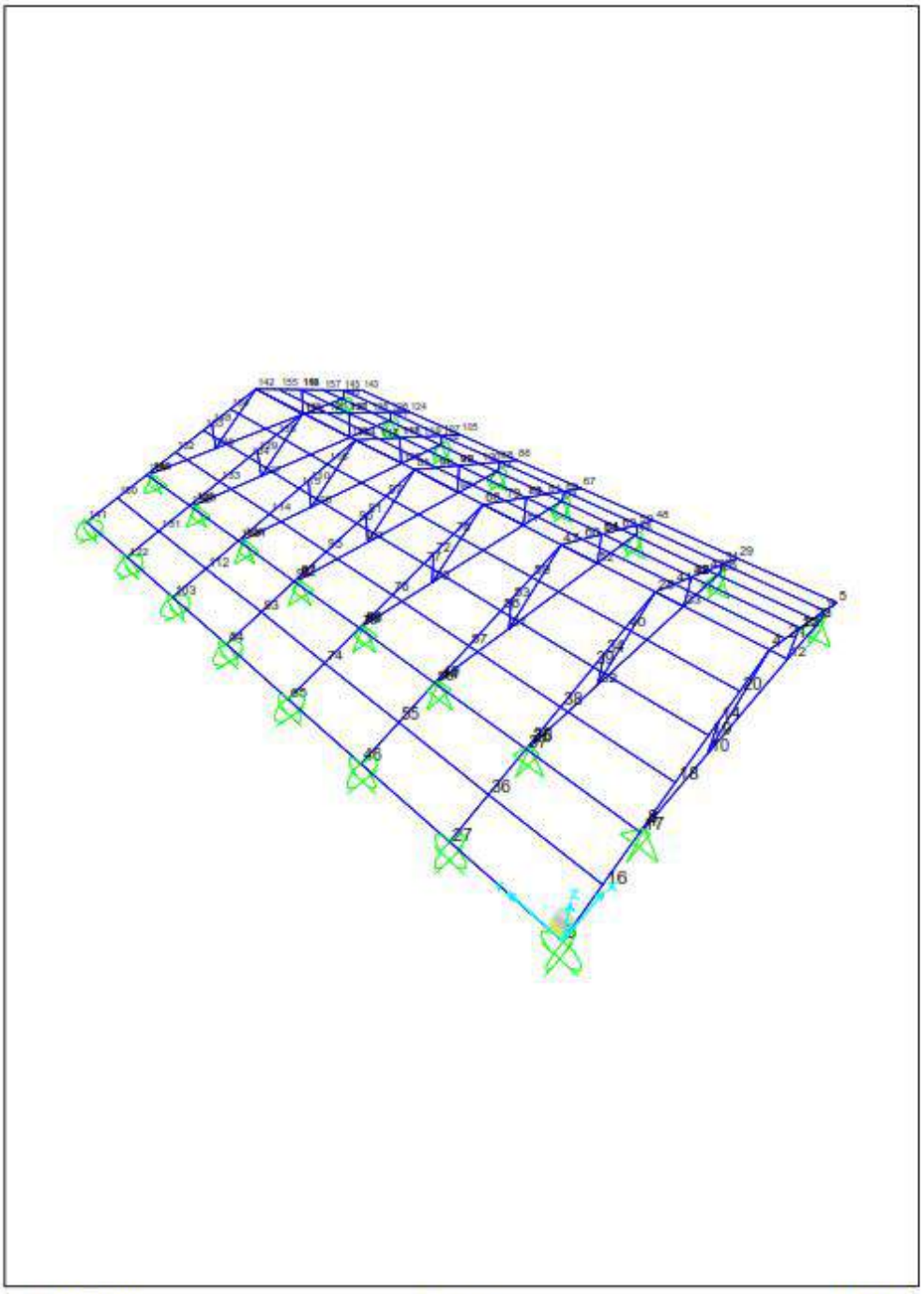
SAP2000 18.2.0 3-D View Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



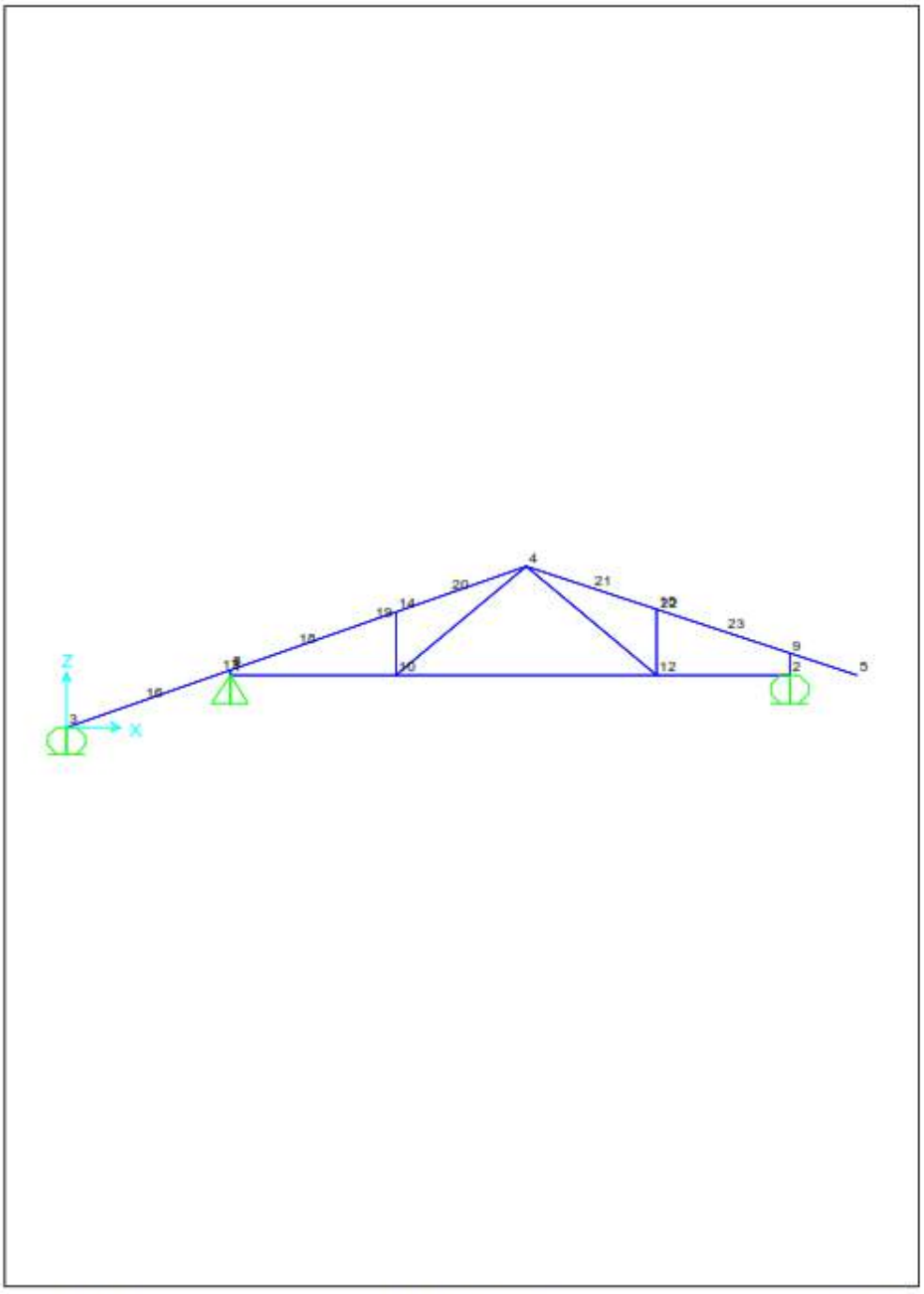
SAP2000 18.2.0 3-D View Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



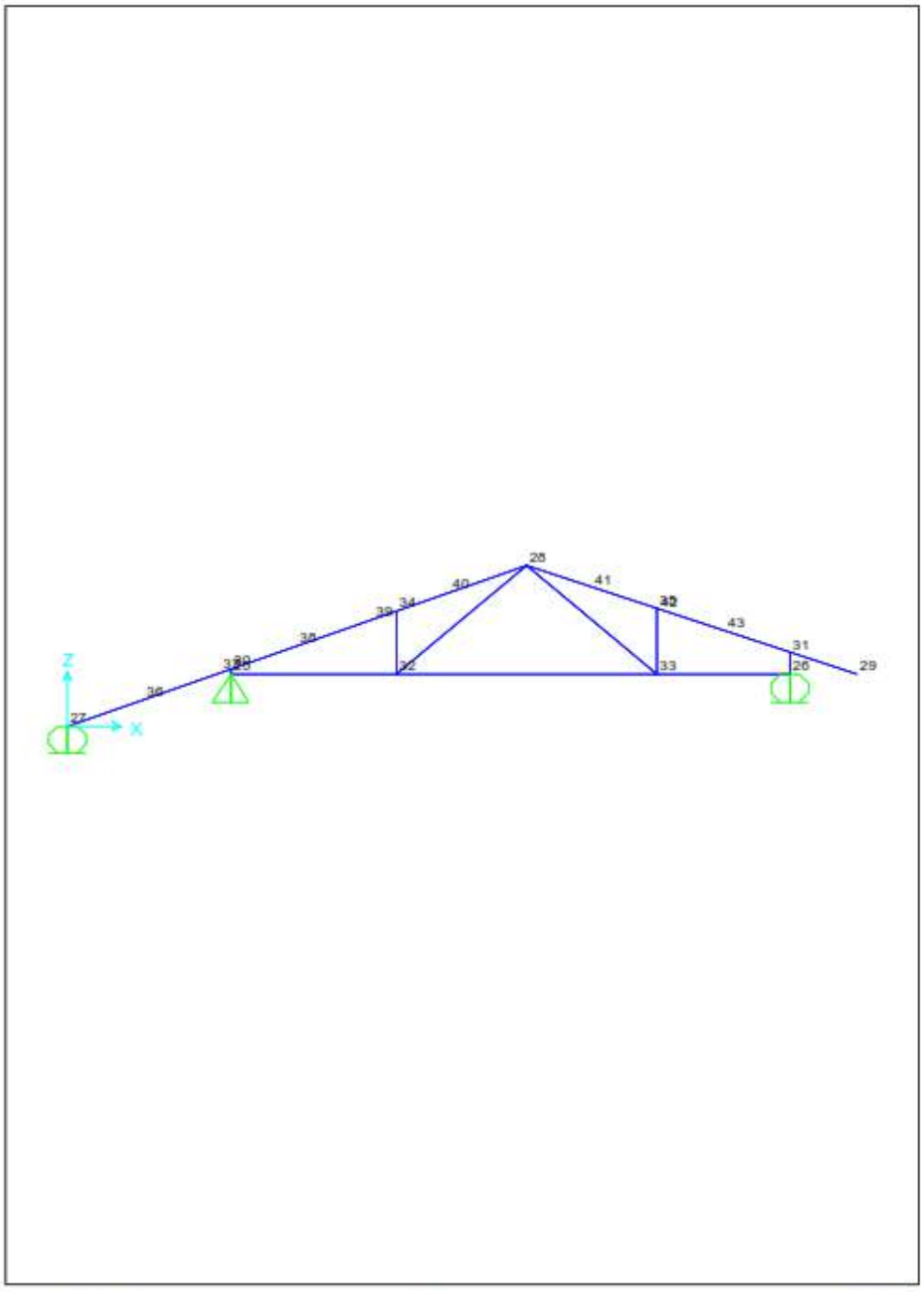
SAP2000 18.2.0 3-D View Kgf, m, C

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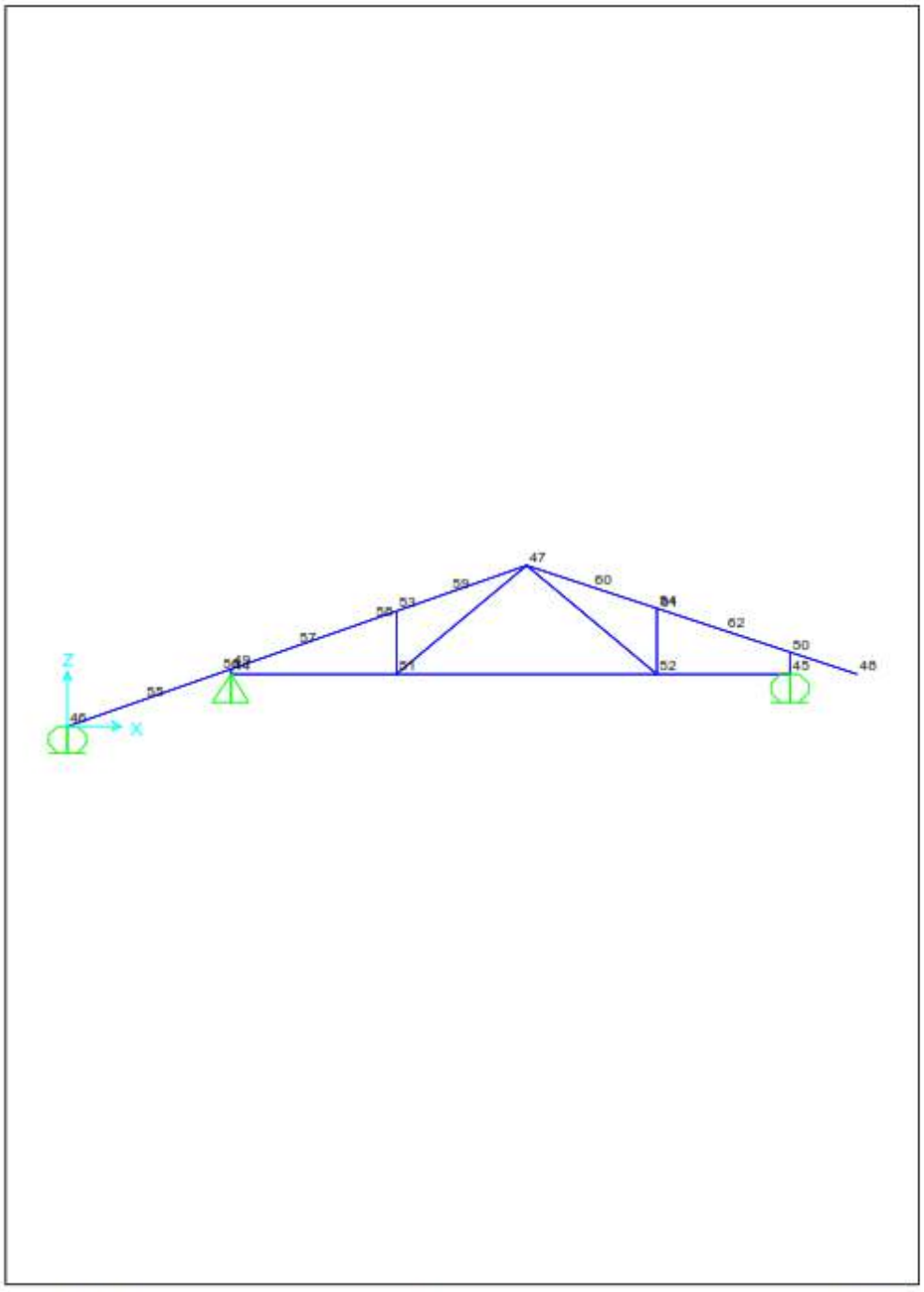
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



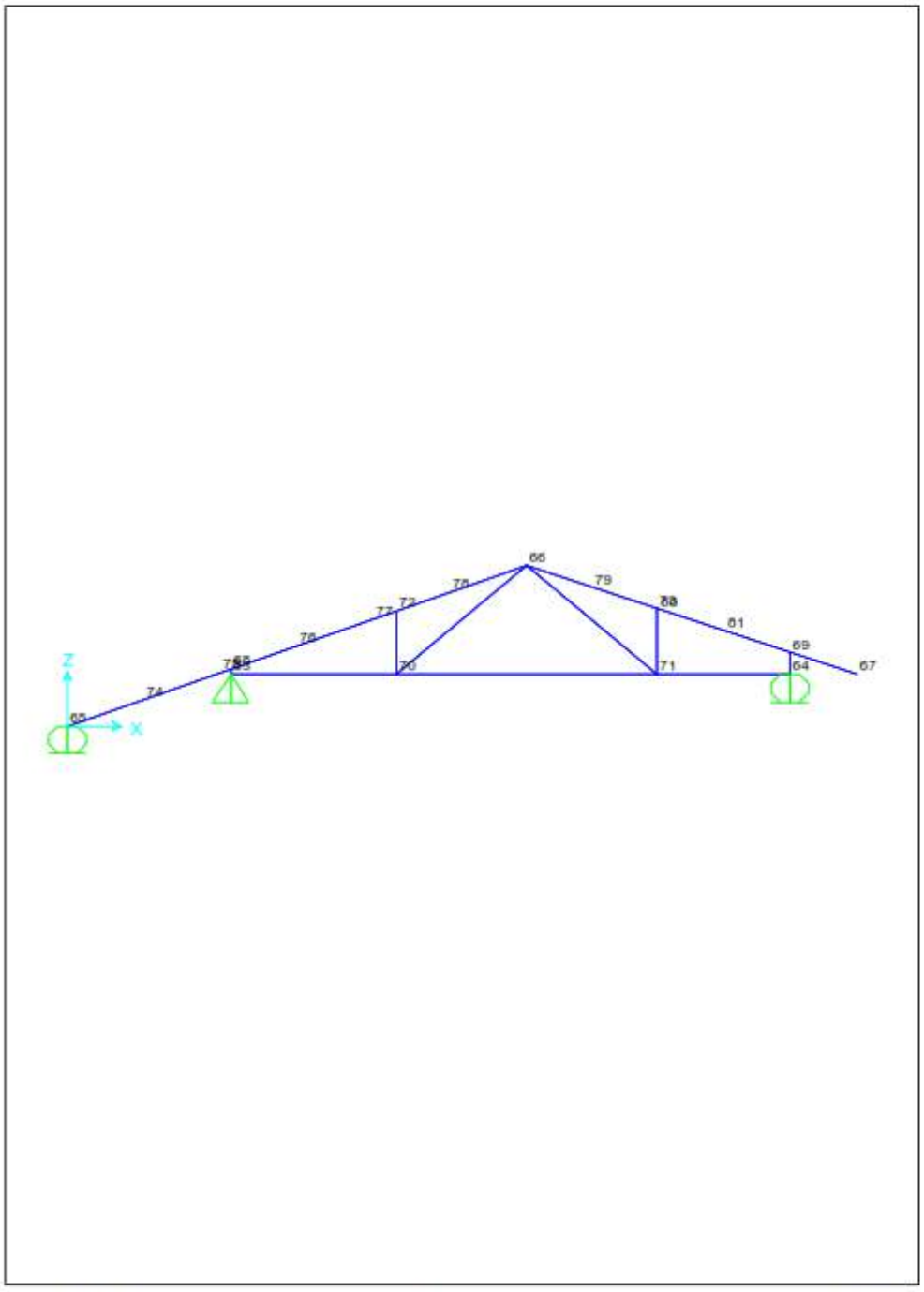
SAP2000 18.2.0 X-Z Plane @ Y=2.24 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



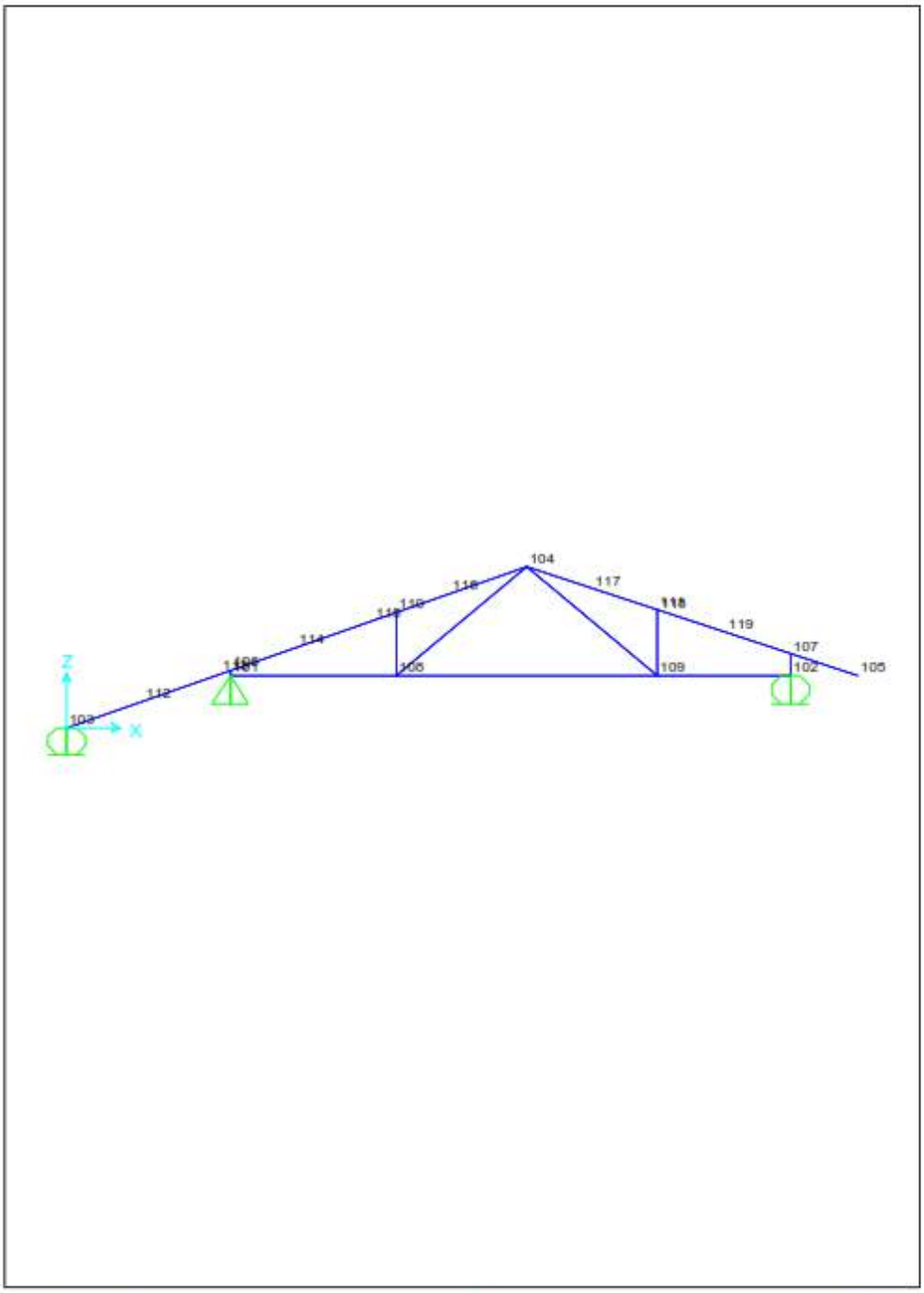
SAP2000 18.2.0 X-Z Plane @ Y=4.42 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



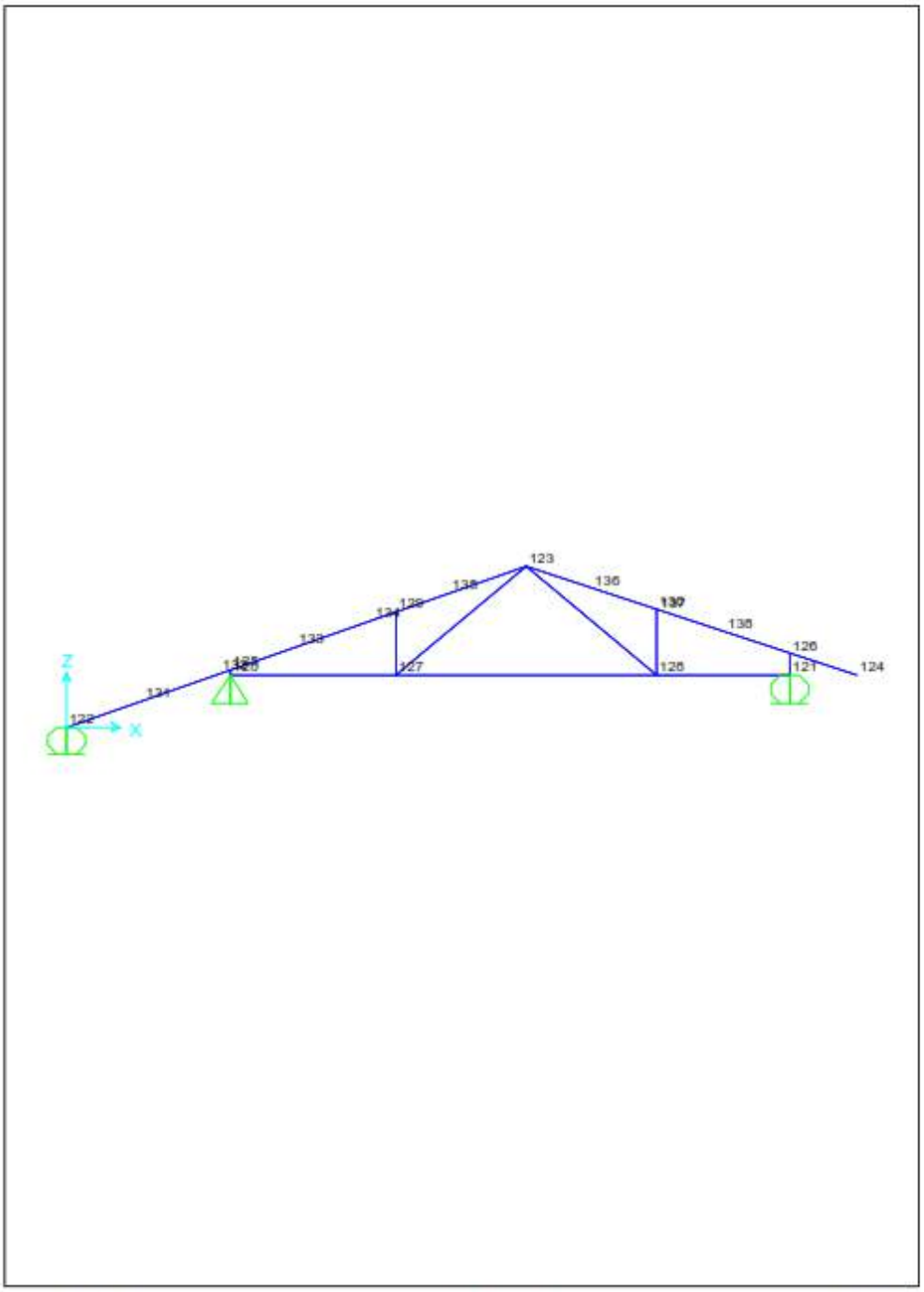
SAP2000 18.2.0 X-Z Plane @ Y=6.59 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



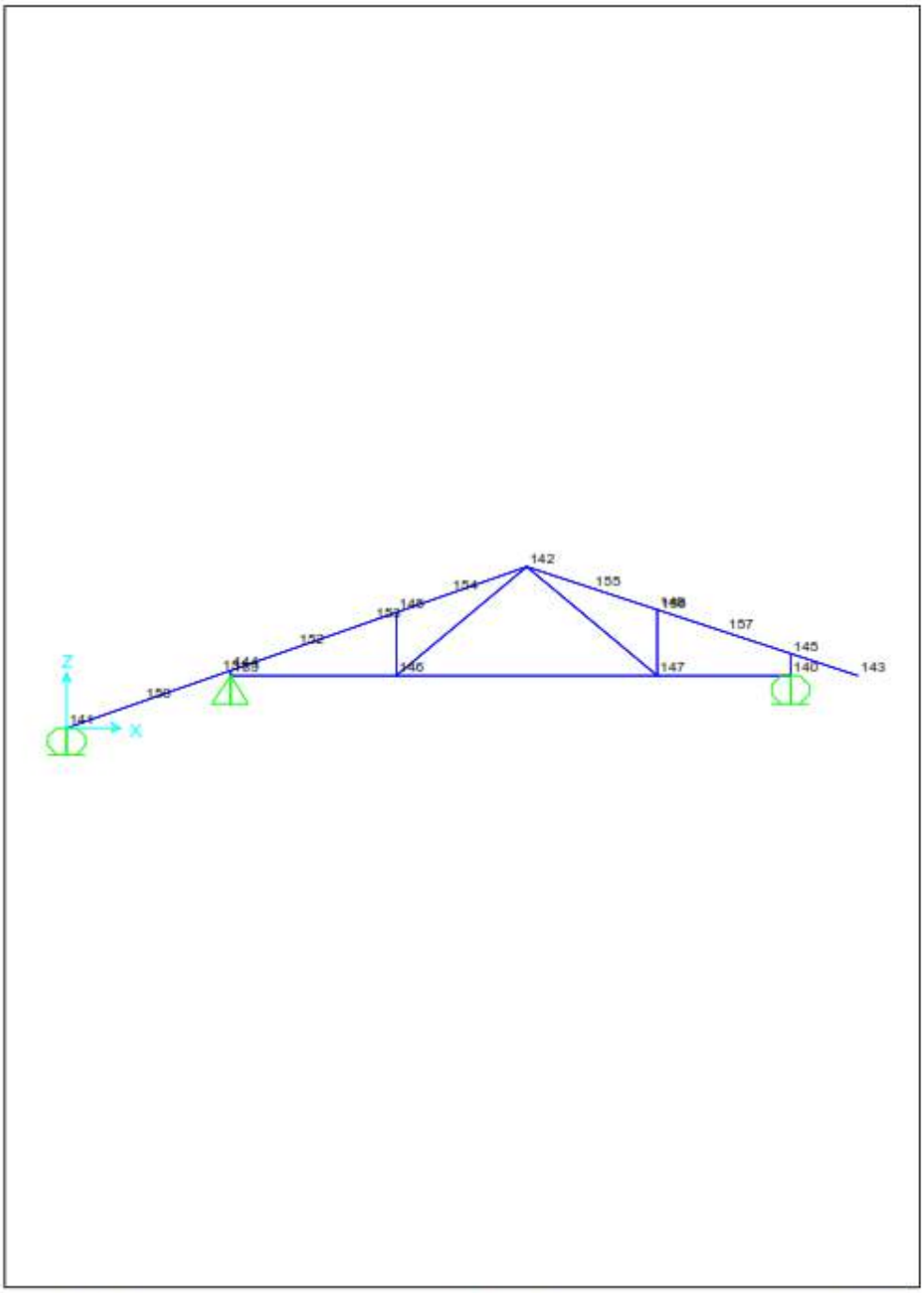
SAP2000 18.2.0 X-Z Plane @ Y=10.95 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



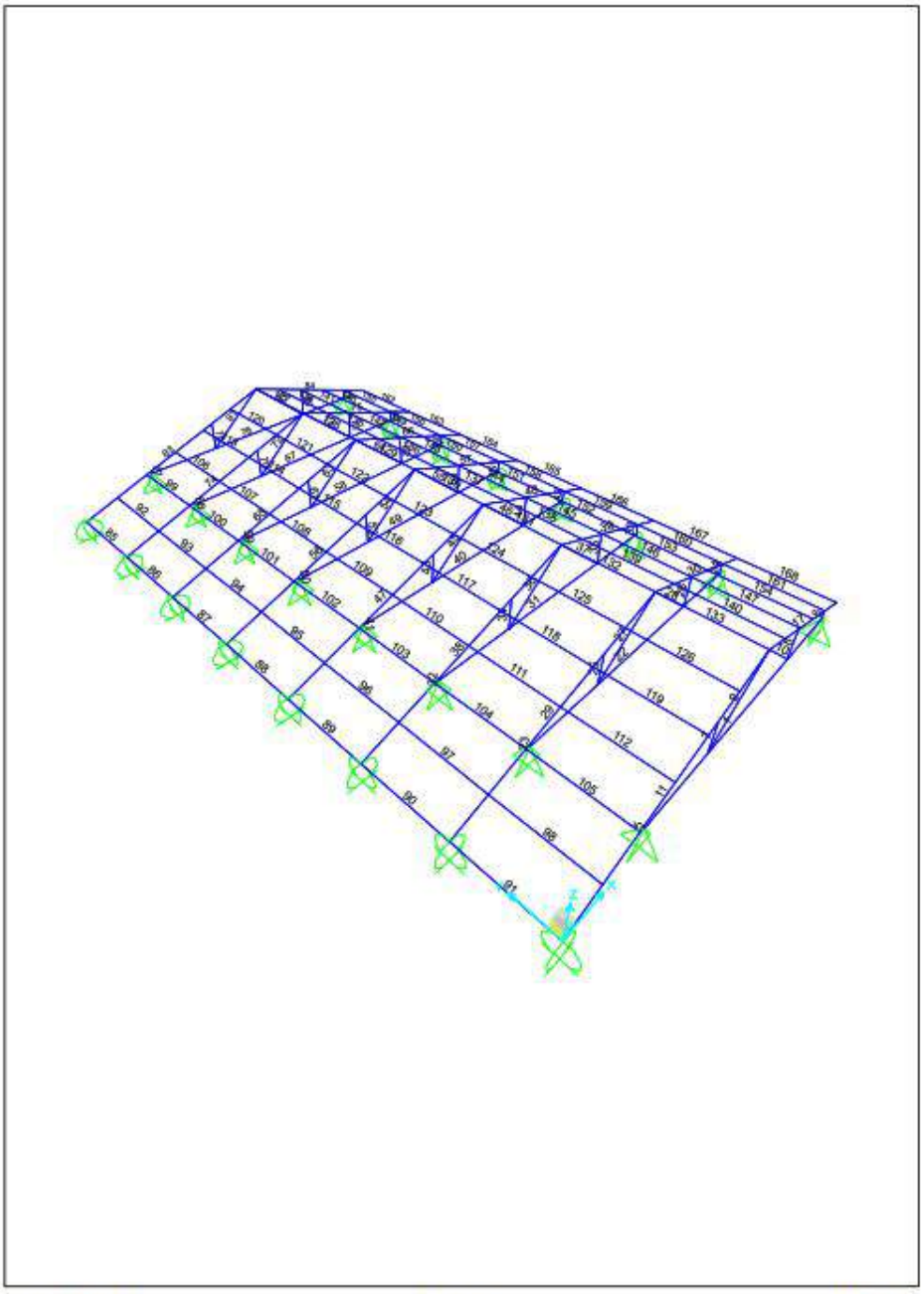
SAP2000 18.2.0 X-Z Plane @ Y=13.13 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



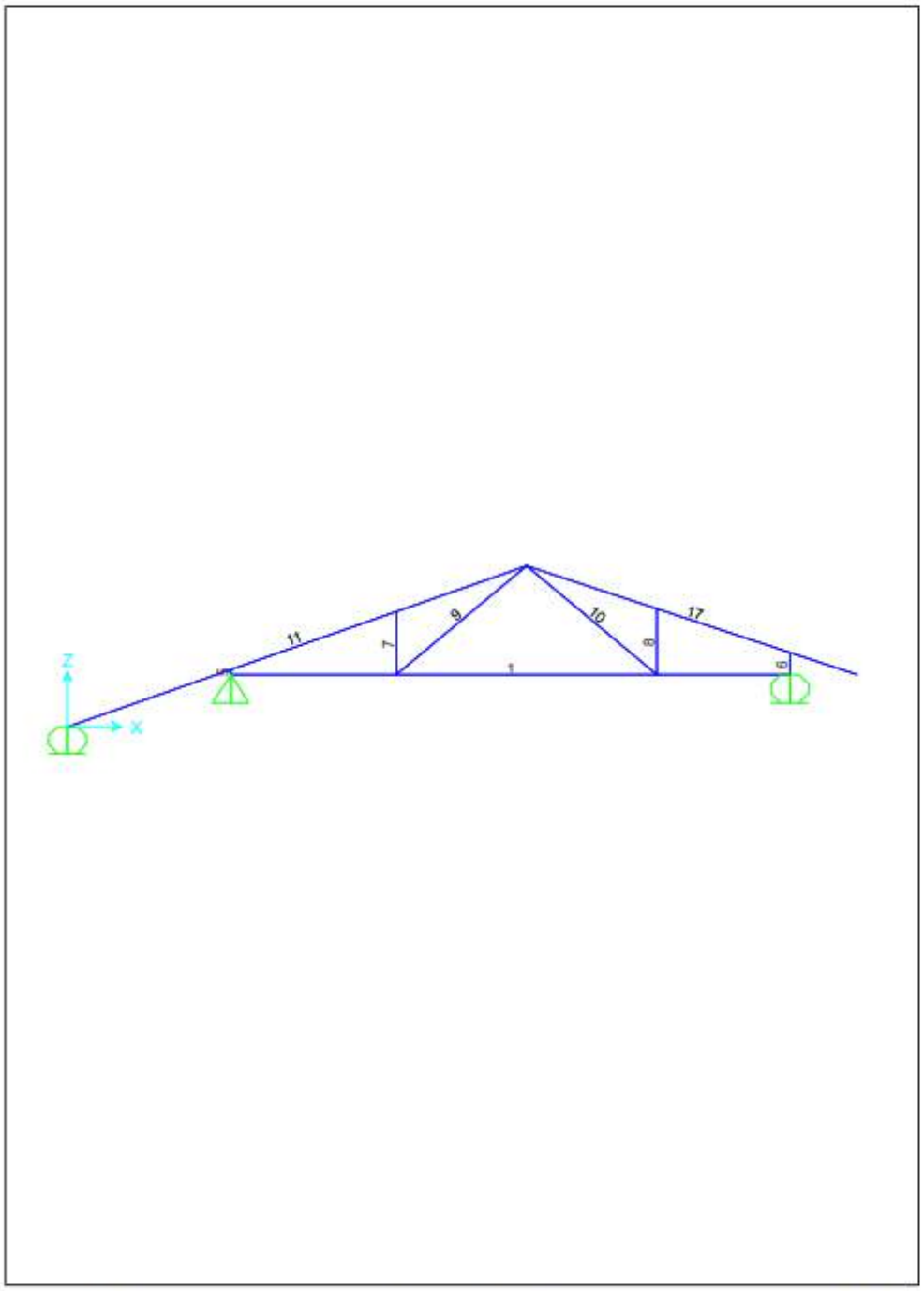
SAP2000 18.2.0 X-Z Plane @ Y=15.37 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



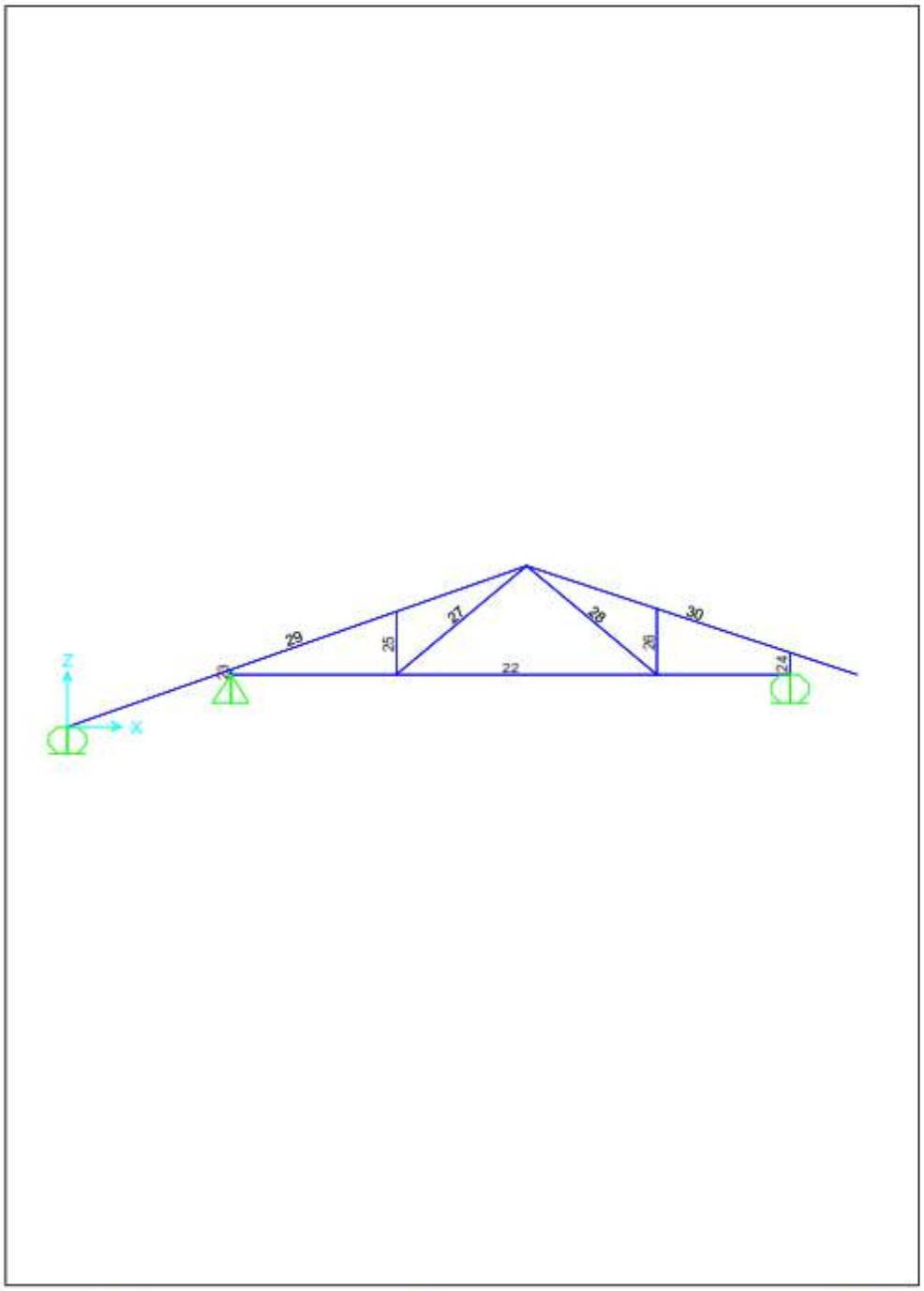
SAP2000 18.2.0 3-D View Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



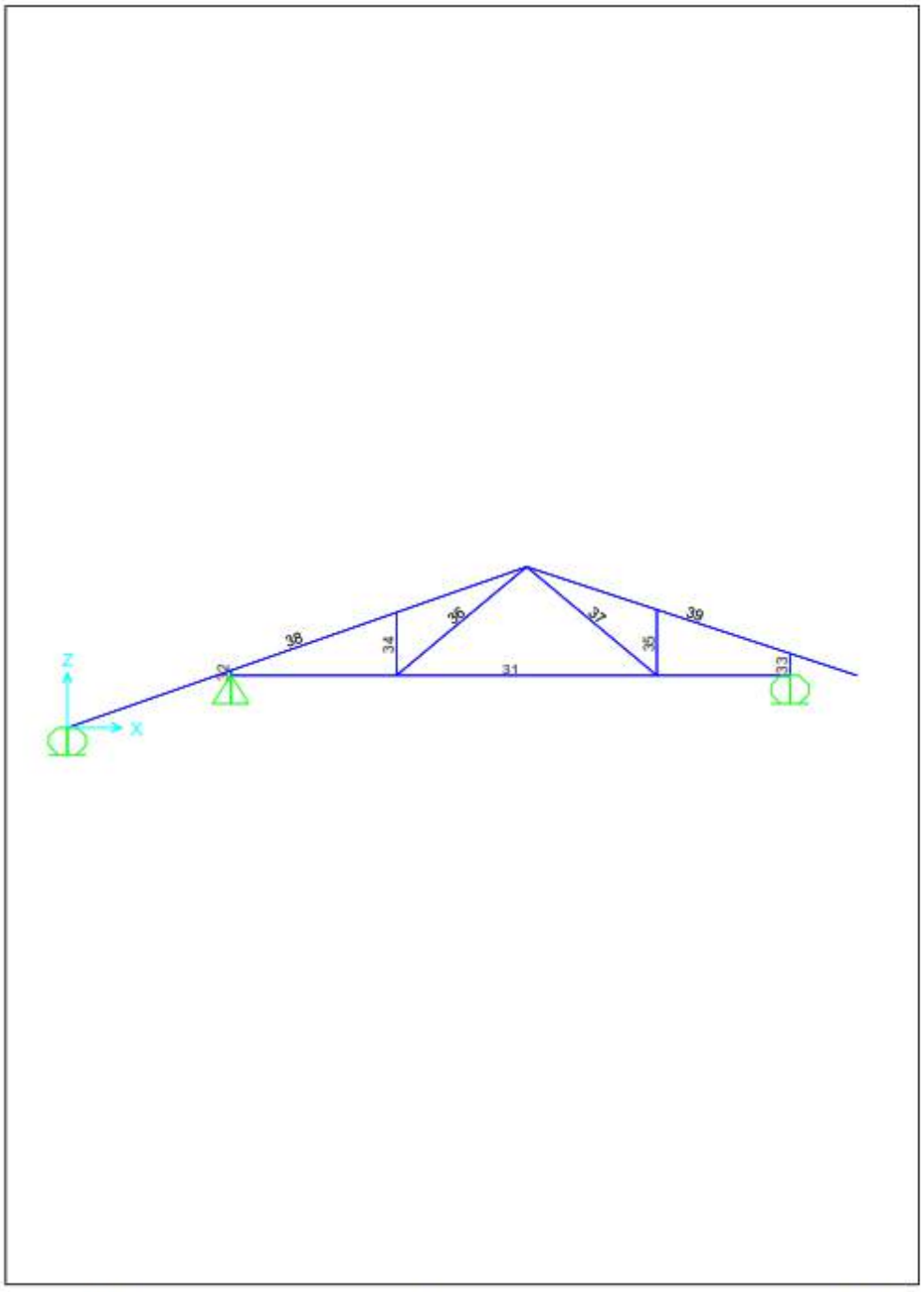
SAP2000 18.2.0 X-Z Plane @ Y=0 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



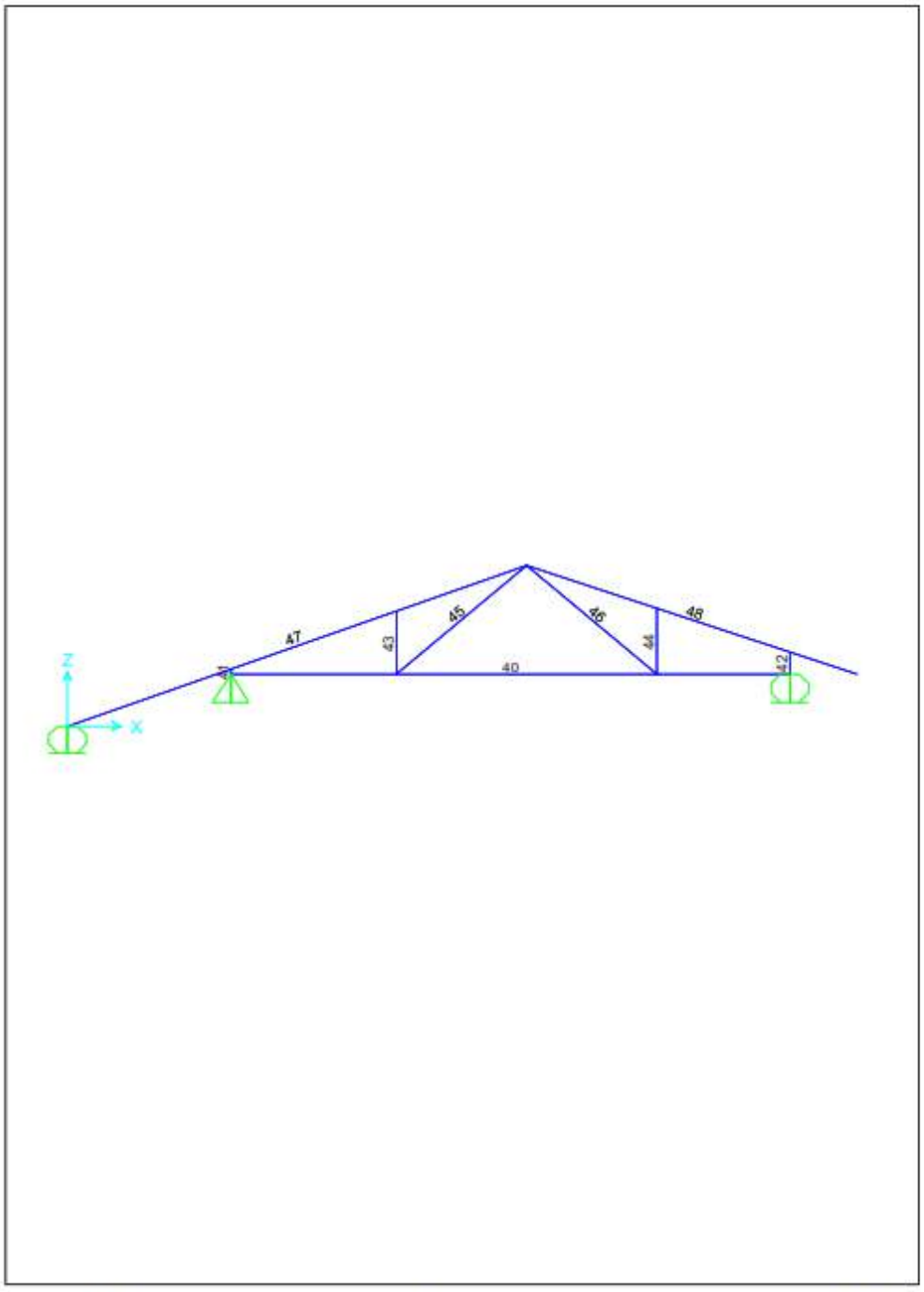
SAP2000 18.2.0 X-Z Plane @ Y=2.24 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



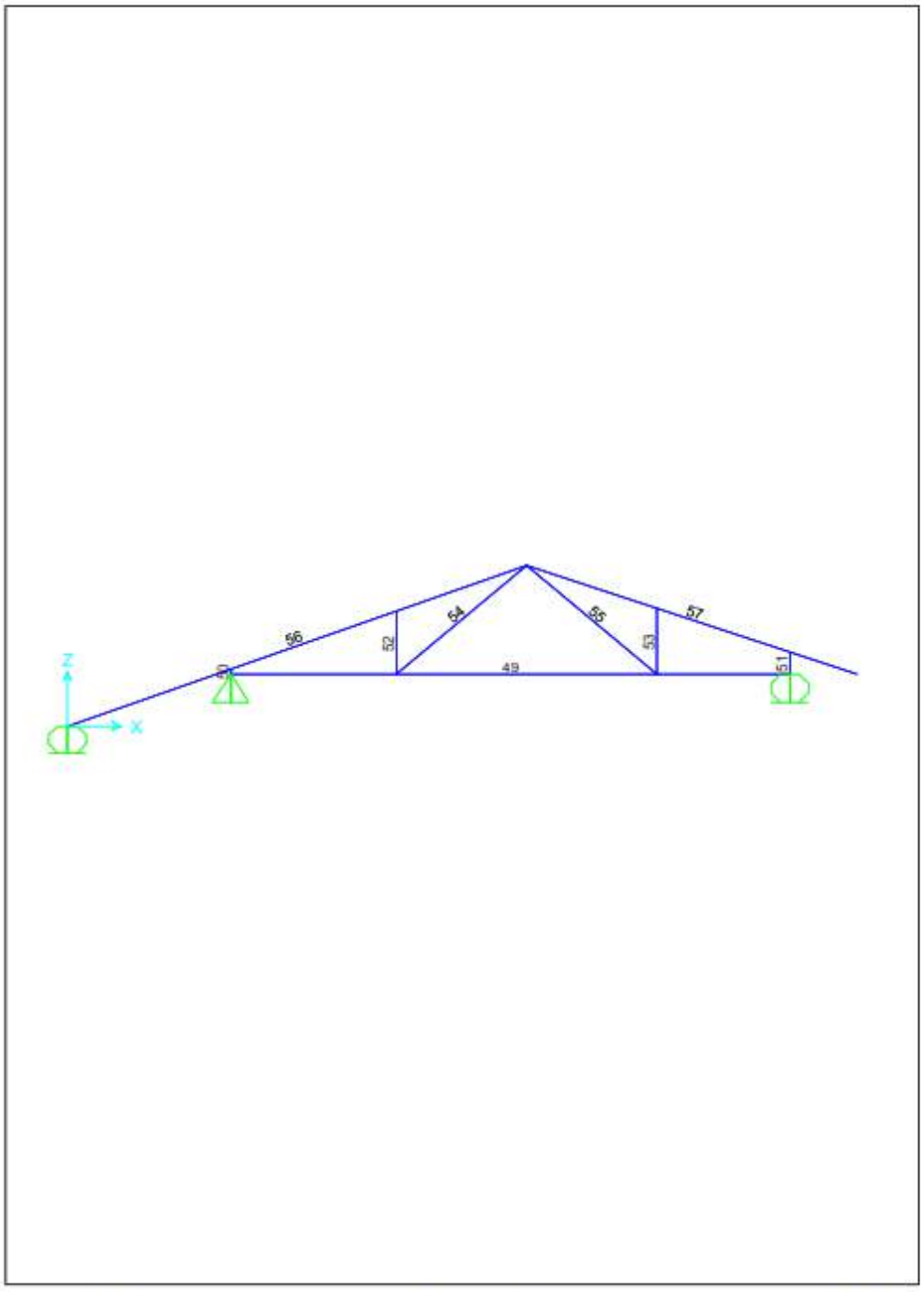
SAP2000 18.2.0 X-Z Plane @ Y=4.42 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



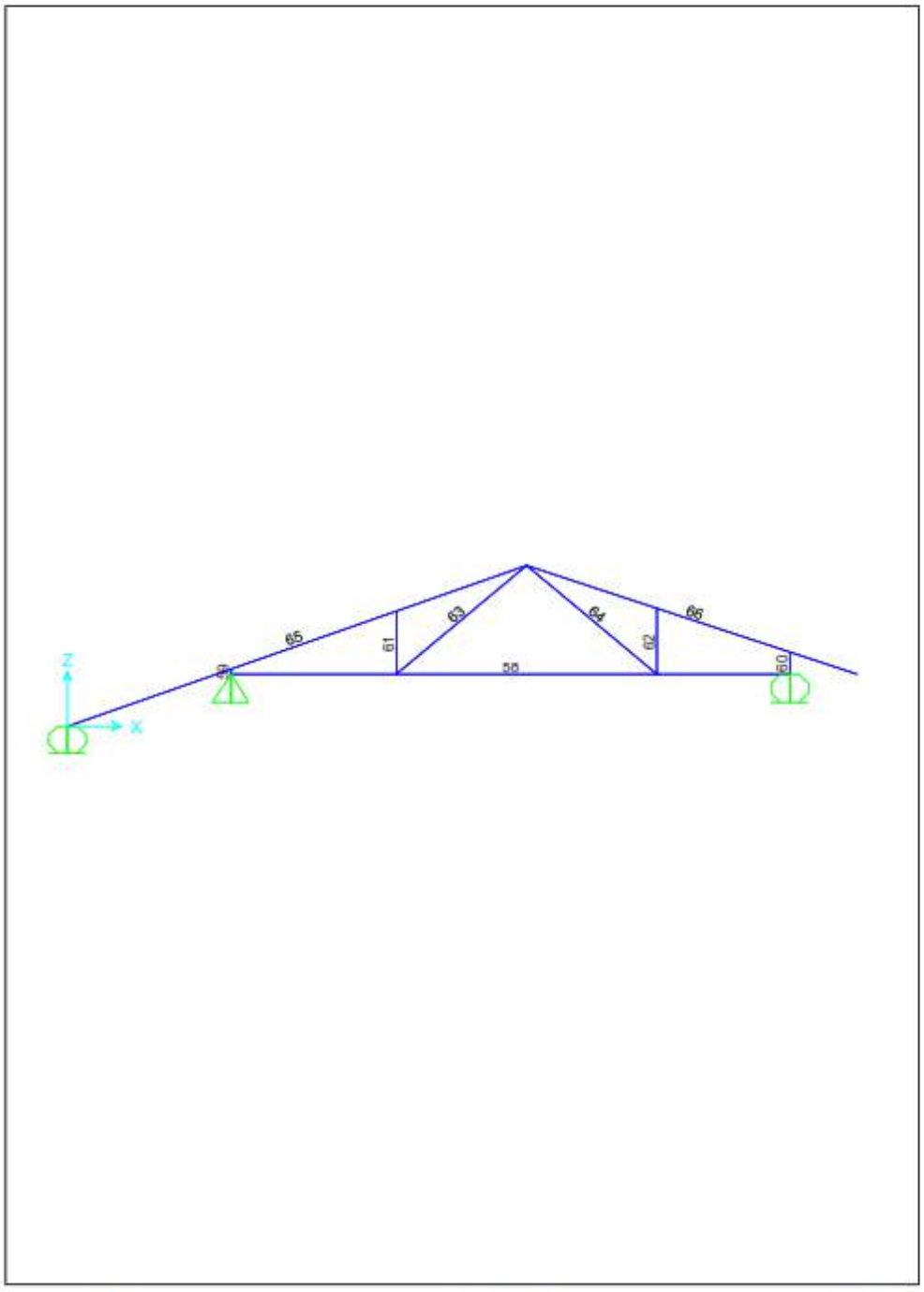
SAP2000 18.2.0 X-Z Plane @ Y=6.59 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



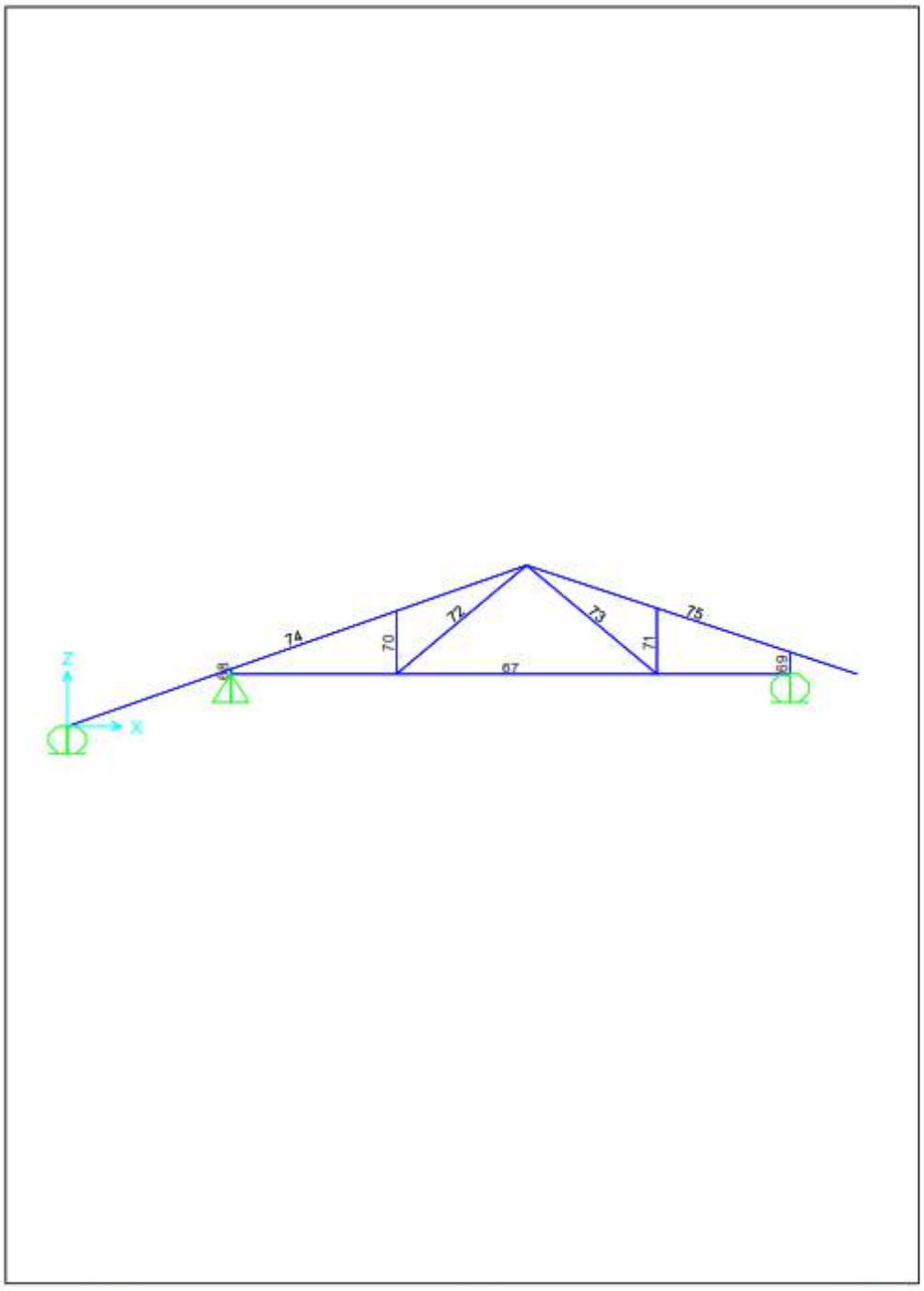
SAP2000 18.2.0 X-Z Plane @ Y=8.77 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



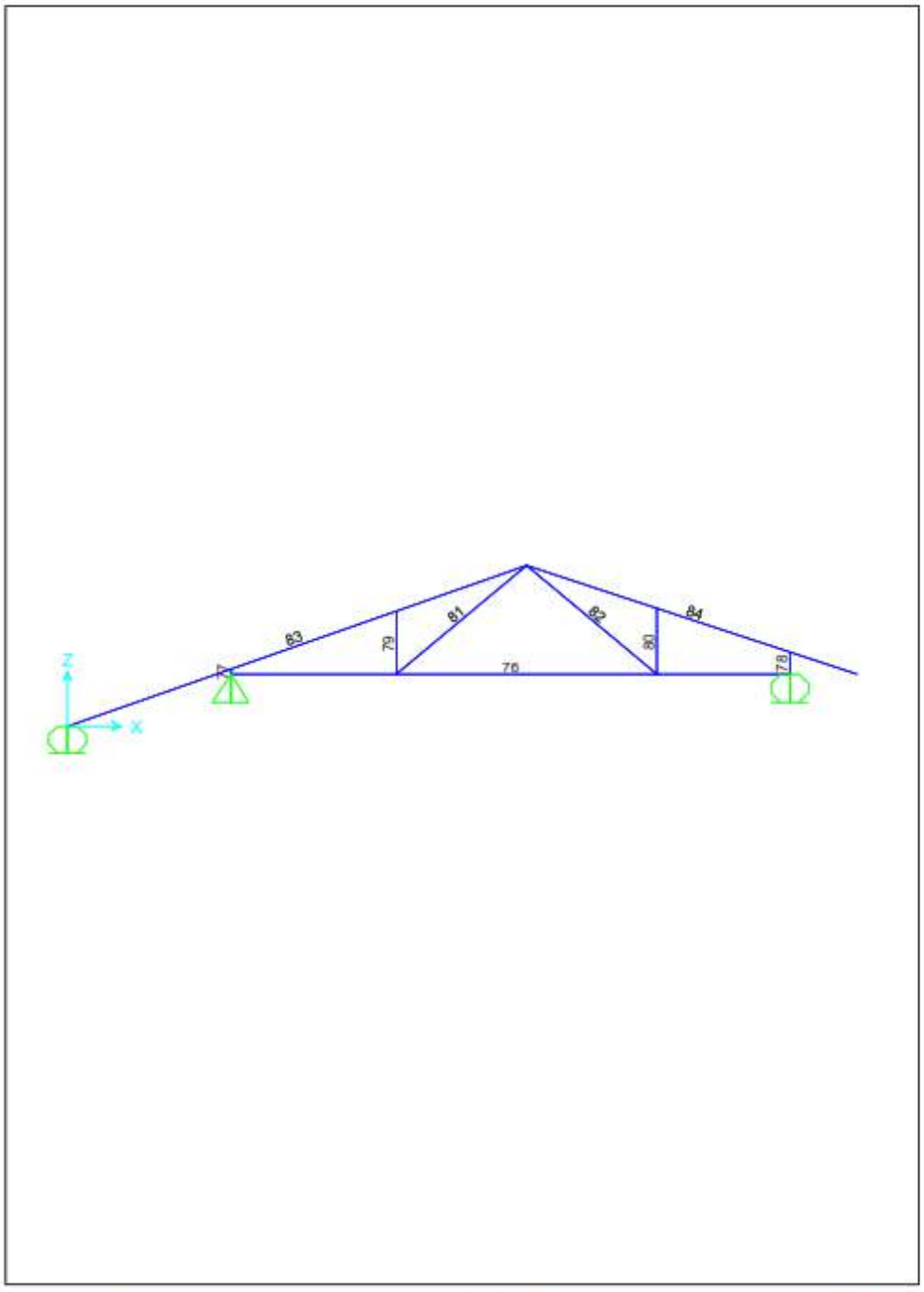
SAP2000 18.2.0 X-Z Plane @ Y=10.95 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



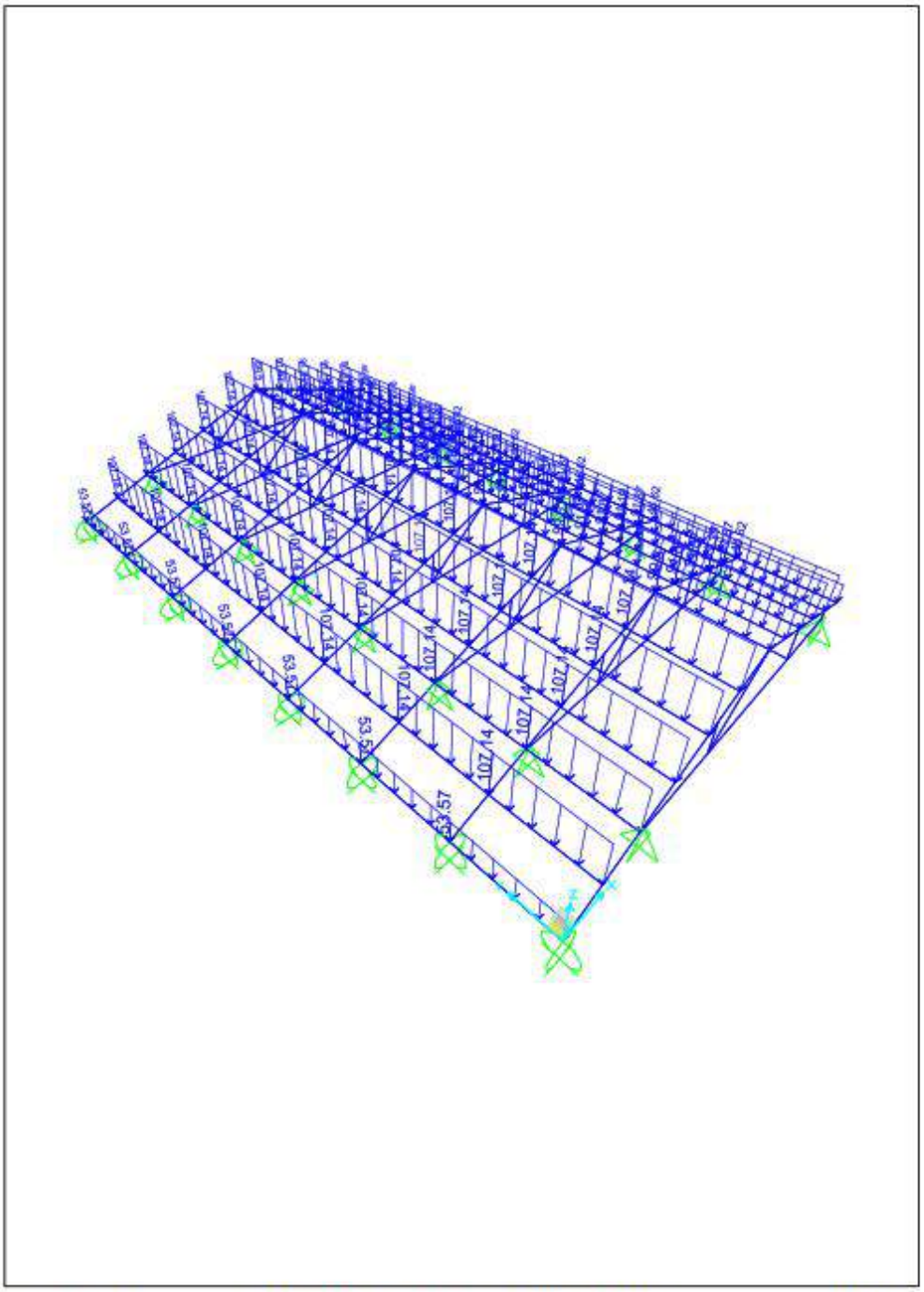
SAP2000 18.2.0 X-Z Plane @ Y=13.13 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



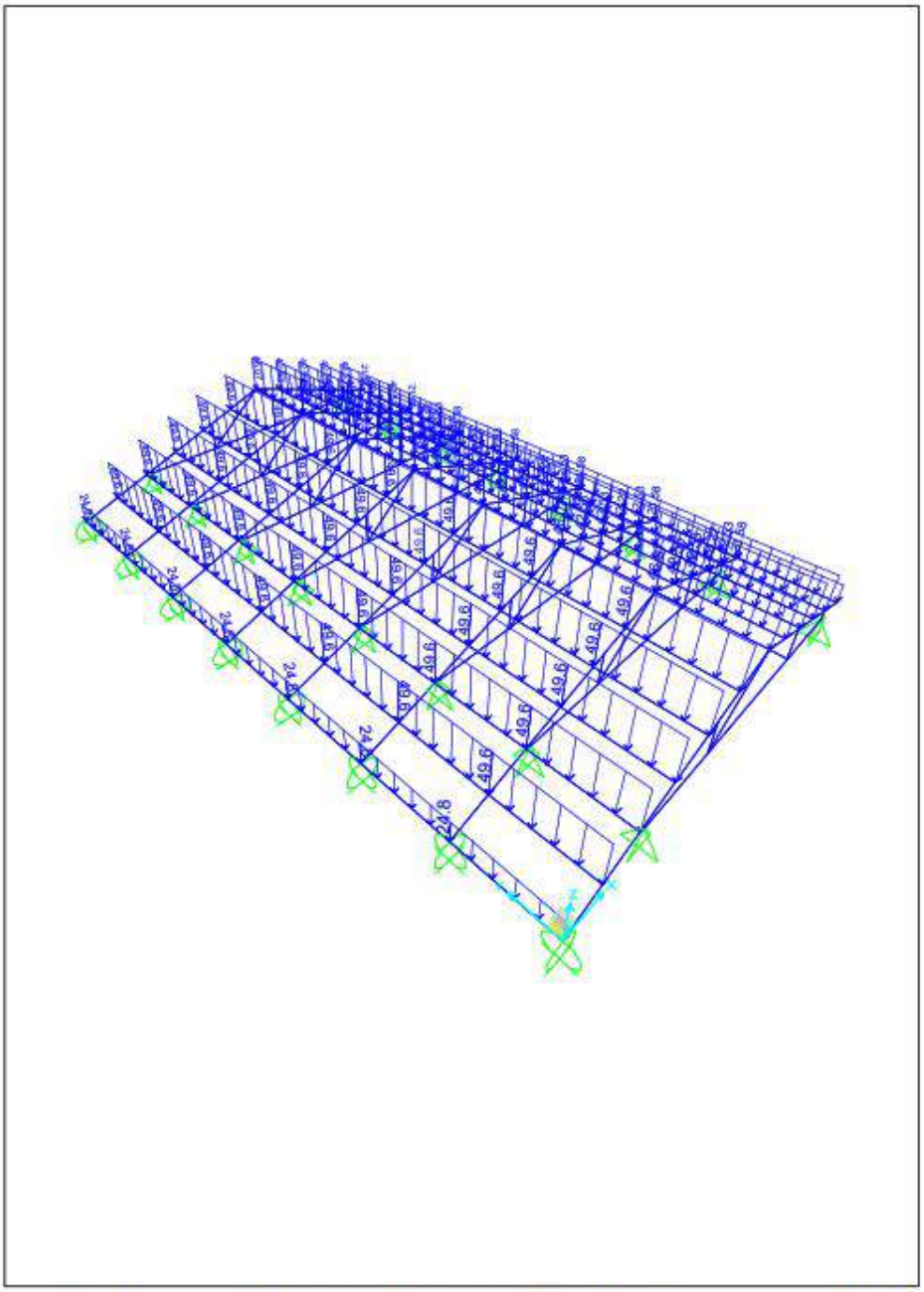
SAP2000 18.2.0 X-Z Plane @ Y=15.37 Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



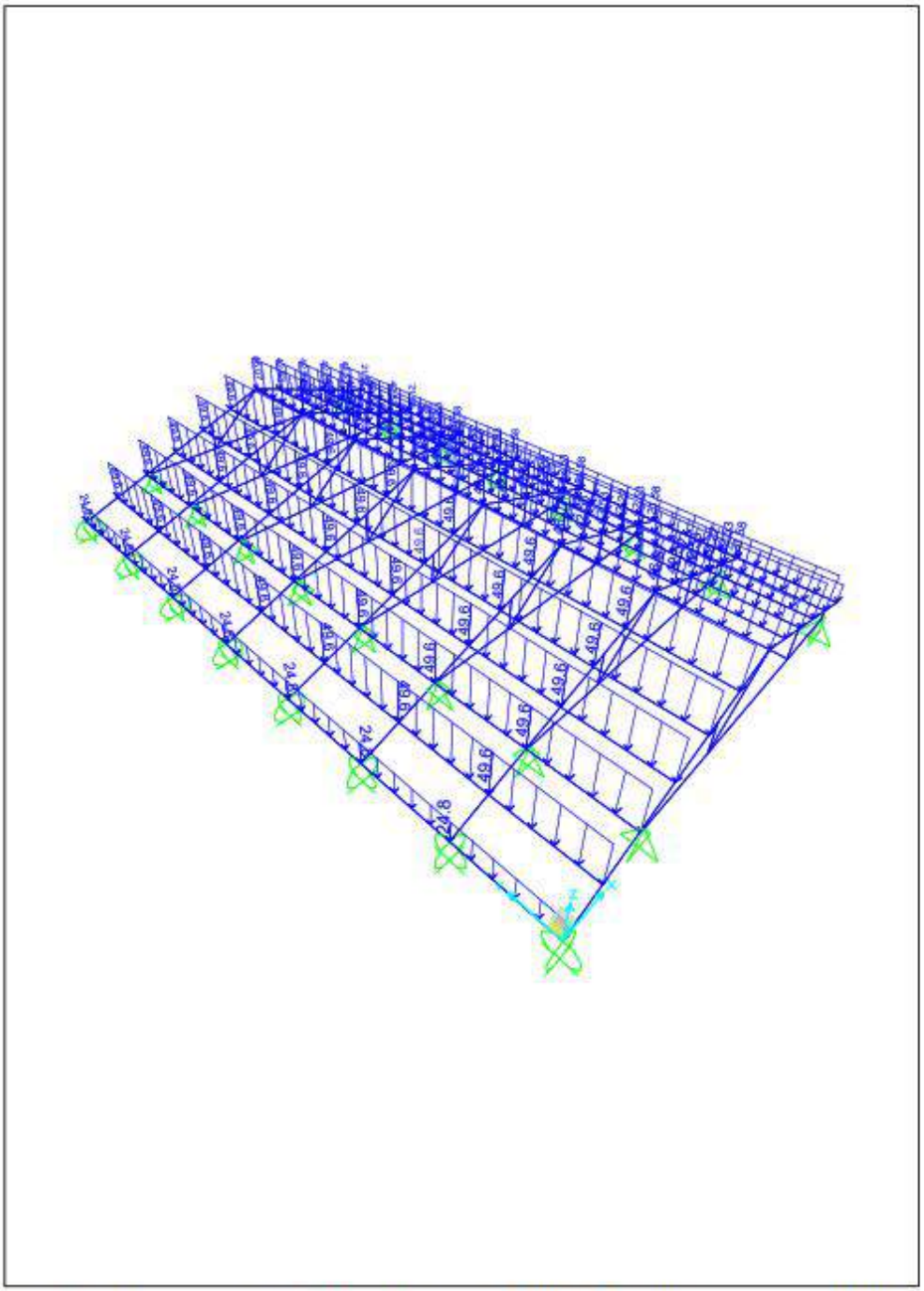
SAP2000 18.2.0 Uniform Area Load Distributed One Way to Frames (D) Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



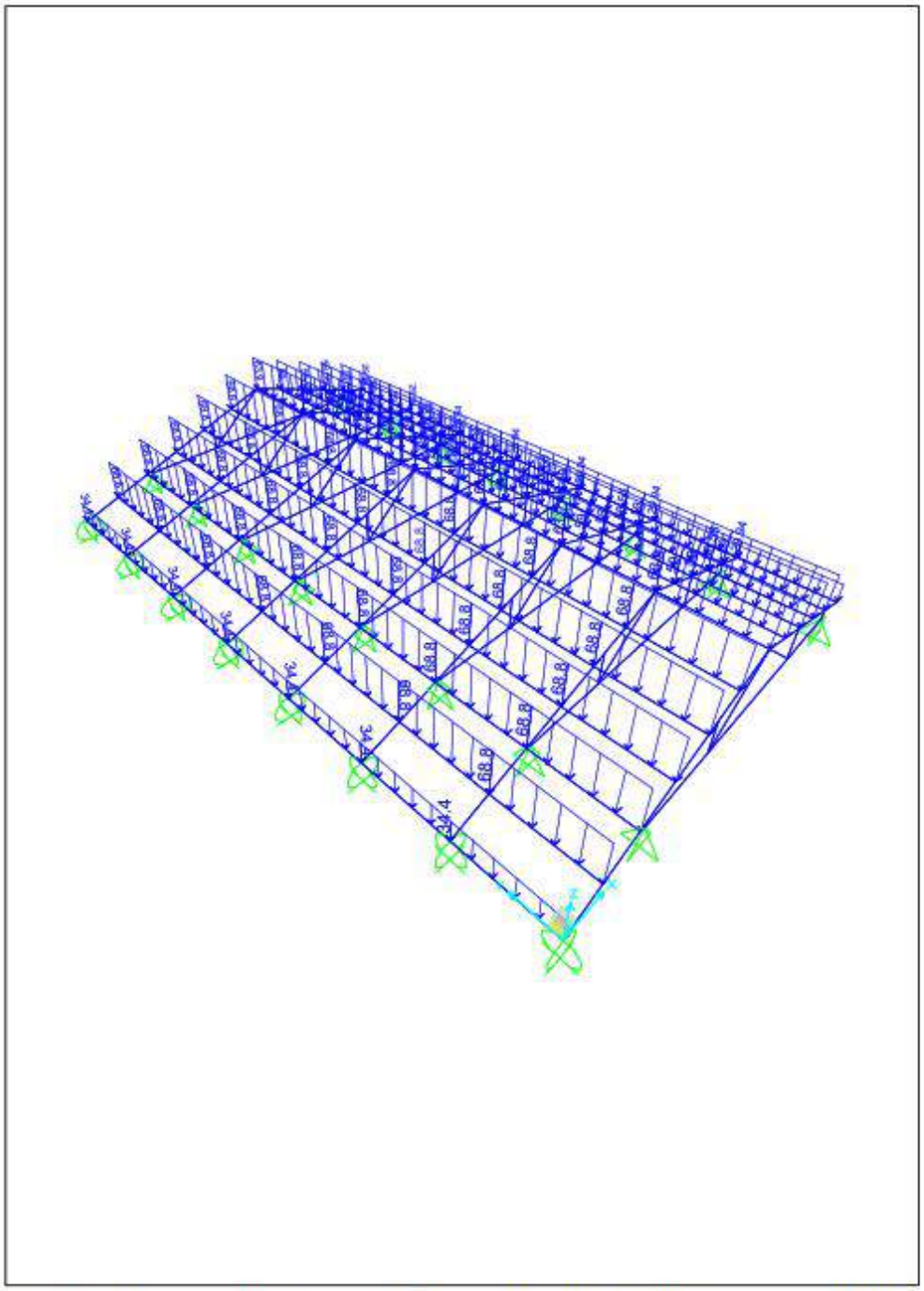
SAP2000 18.2.0 Uniform Area Load Distributed One Way to Frames (Lr) Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



SAP2000 18.2.0 Uniform Area Load Distributed One Way to Frames (G) Kgf, m, C

CERCHA METALICA TIPO CHM 1.sdb



SAP2000 18.2.0 Uniform Area Load Distributed One Way to Frames (W) Kgf, m, C

ANALISIS ESTRUCTURA CUBIERTA

DATOS DE ENTRADA

COMBINACIONES DE CARGAS

1 . 1.40 CM
2 . 1.20 CM + 0.50 CV
3 . 1.20 CM + + 0.50 G
4 . 1.20 CM + 1.60 CV + 0.50 W
5 . 1.20 CM + 1.60 CV - 0.50 W
6 . 1.20 CM + 0.50 W + 1.60 G
7 . 1.20 CM - 0.50 W + 1.60 G
8 . 1.20 CM + 0.50 CV + 1.00 W
9 . 1.20 CM + 0.50 CV - 1.00 W
10 . 1.20 CM + 1.00 W + 0.50 G
11 . 1.20 CM - 1.00 W + 0.50 G
12 . 0.90 CM + 1.00 W
13 . 0.90 CM - 1.00 W

C.M. = Carga Muerta
C.V. = Carga Viva
W = Carga de viento
G = Carga Granizo

Table: Area Loads - Uniform To Frame

Table: Area Loads - Uniform To Frame					
Area	**LoadPat**	**CoordSys**	**Dir**	**UnifLoad**	**DistType**
				Kgf/m2	
186	D	GLOBAL	Gravity	108.	One way
186	Lr	GLOBAL	Gravity	50.	One way
186	G	GLOBAL	Gravity	50.	One way
186	W	GLOBAL	Gravity	69.36	One way
187	D	GLOBAL	Gravity	108.	One way
187	Lr	GLOBAL	Gravity	50.	One way
187	G	GLOBAL	Gravity	50.	One way
187	W	GLOBAL	Gravity	69.36	One way
188	D	GLOBAL	Gravity	108.	One way
188	Lr	GLOBAL	Gravity	50.	One way
188	G	GLOBAL	Gravity	50.	One way
188	W	GLOBAL	Gravity	69.36	One way
189	D	GLOBAL	Gravity	108.	One way
189	Lr	GLOBAL	Gravity	50.	One way
189	G	GLOBAL	Gravity	50.	One way
189	W	GLOBAL	Gravity	69.36	One way
190	D	GLOBAL	Gravity	108.	One way
190	Lr	GLOBAL	Gravity	50.	One way
190	G	GLOBAL	Gravity	50.	One way
190	W	GLOBAL	Gravity	69.36	One way
191	D	GLOBAL	Gravity	108.	One way
191	Lr	GLOBAL	Gravity	50.	One way
191	G	GLOBAL	Gravity	50.	One way
191	W	GLOBAL	Gravity	69.36	One way
192	D	GLOBAL	Gravity	108.	One way
192	Lr	GLOBAL	Gravity	50.	One way
192	G	GLOBAL	Gravity	50.	One way
192	W	GLOBAL	Gravity	69.36	One way
193	D	GLOBAL	Gravity	108.	One way
193	Lr	GLOBAL	Gravity	50.	One way

Table: Area Loads - Uniform To Frame					
Area	**LoadPat**	**CoordSys**	**Dir**	**UnifLoad**	**DistType**
				Kgf/m2	
193	G	GLOBAL	Gravity	50.	One way
193	W	GLOBAL	Gravity	69.36	One way
194	D	GLOBAL	Gravity	108.	One way
194	Lr	GLOBAL	Gravity	50.	One way
194	G	GLOBAL	Gravity	50.	One way
194	W	GLOBAL	Gravity	69.36	One way
195	D	GLOBAL	Gravity	108.	One way
195	Lr	GLOBAL	Gravity	50.	One way
195	G	GLOBAL	Gravity	50.	One way
195	W	GLOBAL	Gravity	69.36	One way
196	D	GLOBAL	Gravity	108.	One way
196	Lr	GLOBAL	Gravity	50.	One way
196	G	GLOBAL	Gravity	50.	One way
196	W	GLOBAL	Gravity	69.36	One way
197	D	GLOBAL	Gravity	108.	One way
197	Lr	GLOBAL	Gravity	50.	One way
197	G	GLOBAL	Gravity	50.	One way
197	W	GLOBAL	Gravity	69.36	One way
198	D	GLOBAL	Gravity	108.	One way
198	Lr	GLOBAL	Gravity	50.	One way
198	G	GLOBAL	Gravity	50.	One way
198	W	GLOBAL	Gravity	69.36	One way
199	D	GLOBAL	Gravity	108.	One way
199	Lr	GLOBAL	Gravity	50.	One way
199	G	GLOBAL	Gravity	50.	One way
199	W	GLOBAL	Gravity	69.36	One way
200	D	GLOBAL	Gravity	108.	One way
200	Lr	GLOBAL	Gravity	50.	One way
200	G	GLOBAL	Gravity	50.	One way
200	W	GLOBAL	Gravity	69.36	One way
201	D	GLOBAL	Gravity	108.	One way
201	Lr	GLOBAL	Gravity	50.	One way
201	G	GLOBAL	Gravity	50.	One way
201	W	GLOBAL	Gravity	69.36	One way
202	D	GLOBAL	Gravity	108.	One way
202	Lr	GLOBAL	Gravity	50.	One way
202	G	GLOBAL	Gravity	50.	One way
202	W	GLOBAL	Gravity	69.36	One way
203	D	GLOBAL	Gravity	108.	One way
203	Lr	GLOBAL	Gravity	50.	One way
203	G	GLOBAL	Gravity	50.	One way
203	W	GLOBAL	Gravity	69.36	One way
204	D	GLOBAL	Gravity	108.	One way
204	Lr	GLOBAL	Gravity	50.	One way
204	G	GLOBAL	Gravity	50.	One way
204	W	GLOBAL	Gravity	69.36	One way
205	D	GLOBAL	Gravity	108.	One way
205	Lr	GLOBAL	Gravity	50.	One way
205	G	GLOBAL	Gravity	50.	One way
205	W	GLOBAL	Gravity	69.36	One way
206	D	GLOBAL	Gravity	108.	One way
206	Lr	GLOBAL	Gravity	50.	One way

Table: Area Loads - Uniform To Frame					
Area	**LoadPat**	**CoordSys**	**Dir**	**UnifLoad**	**DistType**
				Kgf/m2	
206	G	GLOBAL	Gravity	50.	One way
206	W	GLOBAL	Gravity	69.36	One way
207	D	GLOBAL	Gravity	108.	One way
207	Lr	GLOBAL	Gravity	50.	One way
207	G	GLOBAL	Gravity	50.	One way
207	W	GLOBAL	Gravity	69.36	One way
208	D	GLOBAL	Gravity	108.	One way
208	Lr	GLOBAL	Gravity	50.	One way
208	G	GLOBAL	Gravity	50.	One way
208	W	GLOBAL	Gravity	69.36	One way
209	D	GLOBAL	Gravity	108.	One way
209	Lr	GLOBAL	Gravity	50.	One way
209	G	GLOBAL	Gravity	50.	One way
209	W	GLOBAL	Gravity	69.36	One way
210	D	GLOBAL	Gravity	108.	One way
210	Lr	GLOBAL	Gravity	50.	One way
210	G	GLOBAL	Gravity	50.	One way
210	W	GLOBAL	Gravity	69.36	One way
211	D	GLOBAL	Gravity	108.	One way
211	Lr	GLOBAL	Gravity	50.	One way
211	G	GLOBAL	Gravity	50.	One way
211	W	GLOBAL	Gravity	69.36	One way
212	D	GLOBAL	Gravity	108.	One way
212	Lr	GLOBAL	Gravity	50.	One way
212	G	GLOBAL	Gravity	50.	One way
212	W	GLOBAL	Gravity	69.36	One way
213	D	GLOBAL	Gravity	108.	One way
213	Lr	GLOBAL	Gravity	50.	One way
213	G	GLOBAL	Gravity	50.	One way
213	W	GLOBAL	Gravity	69.36	One way
214	D	GLOBAL	Gravity	108.	One way
214	Lr	GLOBAL	Gravity	50.	One way
214	G	GLOBAL	Gravity	50.	One way
214	W	GLOBAL	Gravity	69.36	One way
215	D	GLOBAL	Gravity	108.	One way
215	Lr	GLOBAL	Gravity	50.	One way
215	G	GLOBAL	Gravity	50.	One way
215	W	GLOBAL	Gravity	69.36	One way
216	D	GLOBAL	Gravity	108.	One way
216	Lr	GLOBAL	Gravity	50.	One way
216	G	GLOBAL	Gravity	50.	One way
216	W	GLOBAL	Gravity	69.36	One way
217	D	GLOBAL	Gravity	108.	One way
217	Lr	GLOBAL	Gravity	50.	One way
217	G	GLOBAL	Gravity	50.	One way
217	W	GLOBAL	Gravity	69.36	One way
218	D	GLOBAL	Gravity	108.	One way
218	Lr	GLOBAL	Gravity	50.	One way
218	G	GLOBAL	Gravity	50.	One way
218	W	GLOBAL	Gravity	69.36	One way
219	D	GLOBAL	Gravity	108.	One way
219	Lr	GLOBAL	Gravity	50.	One way

Table: Area Loads - Uniform To Frame					
Area	**LoadPat**	**CoordSys**	**Dir**	**UnifLoad**	**DistType**
				Kgf/m2	
219	G	GLOBAL	Gravity	50.	One way
219	W	GLOBAL	Gravity	69.36	One way
220	D	GLOBAL	Gravity	108.	One way
220	Lr	GLOBAL	Gravity	50.	One way
220	G	GLOBAL	Gravity	50.	One way
220	W	GLOBAL	Gravity	69.36	One way
221	D	GLOBAL	Gravity	108.	One way
221	Lr	GLOBAL	Gravity	50.	One way
221	G	GLOBAL	Gravity	50.	One way
221	W	GLOBAL	Gravity	69.36	One way
222	D	GLOBAL	Gravity	108.	One way
222	Lr	GLOBAL	Gravity	50.	One way
222	G	GLOBAL	Gravity	50.	One way
222	W	GLOBAL	Gravity	69.36	One way
223	D	GLOBAL	Gravity	108.	One way
223	Lr	GLOBAL	Gravity	50.	One way
223	G	GLOBAL	Gravity	50.	One way
223	W	GLOBAL	Gravity	69.36	One way
224	D	GLOBAL	Gravity	108.	One way
224	Lr	GLOBAL	Gravity	50.	One way
224	G	GLOBAL	Gravity	50.	One way
224	W	GLOBAL	Gravity	69.36	One way
225	D	GLOBAL	Gravity	108.	One way
225	Lr	GLOBAL	Gravity	50.	One way
225	G	GLOBAL	Gravity	50.	One way
225	W	GLOBAL	Gravity	69.36	One way
226	D	GLOBAL	Gravity	108.	One way
226	Lr	GLOBAL	Gravity	50.	One way
226	G	GLOBAL	Gravity	50.	One way
226	W	GLOBAL	Gravity	69.36	One way
227	D	GLOBAL	Gravity	108.	One way
227	Lr	GLOBAL	Gravity	50.	One way
227	G	GLOBAL	Gravity	50.	One way
227	W	GLOBAL	Gravity	69.36	One way
228	D	GLOBAL	Gravity	108.	One way
228	Lr	GLOBAL	Gravity	50.	One way
228	G	GLOBAL	Gravity	50.	One way
228	W	GLOBAL	Gravity	69.36	One way
231	D	GLOBAL	Gravity	108.	One way
231	Lr	GLOBAL	Gravity	50.	One way
231	G	GLOBAL	Gravity	50.	One way
231	W	GLOBAL	Gravity	69.36	One way
232	D	GLOBAL	Gravity	108.	One way
232	Lr	GLOBAL	Gravity	50.	One way
232	G	GLOBAL	Gravity	50.	One way
232	W	GLOBAL	Gravity	69.36	One way
233	D	GLOBAL	Gravity	108.	One way
233	Lr	GLOBAL	Gravity	50.	One way
233	G	GLOBAL	Gravity	50.	One way
233	W	GLOBAL	Gravity	69.36	One way
234	D	GLOBAL	Gravity	108.	One way
234	Lr	GLOBAL	Gravity	50.	One way

Table: Area Loads - Uniform To Frame					
Area	**LoadPat**	**CoordSys**	**Dir**	**UnifLoad**	**DistType**
				Kgf/m2	
234	G	GLOBAL	Gravity	50.	One way
234	W	GLOBAL	Gravity	69.36	One way
235	D	GLOBAL	Gravity	108.	One way
235	Lr	GLOBAL	Gravity	50.	One way
235	G	GLOBAL	Gravity	50.	One way
235	W	GLOBAL	Gravity	69.36	One way
236	D	GLOBAL	Gravity	108.	One way
236	Lr	GLOBAL	Gravity	50.	One way
236	G	GLOBAL	Gravity	50.	One way
236	W	GLOBAL	Gravity	69.36	One way
239	D	GLOBAL	Gravity	108.	One way
239	Lr	GLOBAL	Gravity	50.	One way
239	G	GLOBAL	Gravity	50.	One way
239	W	GLOBAL	Gravity	69.36	One way
240	D	GLOBAL	Gravity	108.	One way
240	Lr	GLOBAL	Gravity	50.	One way
240	G	GLOBAL	Gravity	50.	One way
240	W	GLOBAL	Gravity	69.36	One way
241	D	GLOBAL	Gravity	108.	One way
241	Lr	GLOBAL	Gravity	50.	One way
241	G	GLOBAL	Gravity	50.	One way
241	W	GLOBAL	Gravity	69.36	One way
242	D	GLOBAL	Gravity	108.	One way
242	Lr	GLOBAL	Gravity	50.	One way
242	G	GLOBAL	Gravity	50.	One way
242	W	GLOBAL	Gravity	69.36	One way
243	D	GLOBAL	Gravity	108.	One way
243	Lr	GLOBAL	Gravity	50.	One way
243	G	GLOBAL	Gravity	50.	One way
243	W	GLOBAL	Gravity	69.36	One way
244	D	GLOBAL	Gravity	108.	One way
244	Lr	GLOBAL	Gravity	50.	One way
244	G	GLOBAL	Gravity	50.	One way
244	W	GLOBAL	Gravity	69.36	One way
247	D	GLOBAL	Gravity	108.	One way
247	Lr	GLOBAL	Gravity	50.	One way
247	G	GLOBAL	Gravity	50.	One way
247	W	GLOBAL	Gravity	69.36	One way
248	D	GLOBAL	Gravity	108.	One way
248	Lr	GLOBAL	Gravity	50.	One way
248	G	GLOBAL	Gravity	50.	One way
248	W	GLOBAL	Gravity	69.36	One way
249	D	GLOBAL	Gravity	108.	One way
249	Lr	GLOBAL	Gravity	50.	One way
249	G	GLOBAL	Gravity	50.	One way
249	W	GLOBAL	Gravity	69.36	One way
250	D	GLOBAL	Gravity	108.	One way
250	Lr	GLOBAL	Gravity	50.	One way
250	G	GLOBAL	Gravity	50.	One way
250	W	GLOBAL	Gravity	69.36	One way
251	D	GLOBAL	Gravity	108.	One way
251	Lr	GLOBAL	Gravity	50.	One way

Table: Area Loads - Uniform To Frame					
Area	**LoadPat**	**CoordSys**	**Dir**	**UnifLoad**	**DistType**
				Kgf/m2	
251	G	GLOBAL	Gravity	50.	One way
251	W	GLOBAL	Gravity	69.36	One way
252	D	GLOBAL	Gravity	108.	One way
252	Lr	GLOBAL	Gravity	50.	One way
252	G	GLOBAL	Gravity	50.	One way
252	W	GLOBAL	Gravity	69.36	One way
255	D	GLOBAL	Gravity	108.	One way
255	Lr	GLOBAL	Gravity	50.	One way
255	G	GLOBAL	Gravity	50.	One way
255	W	GLOBAL	Gravity	69.36	One way
256	D	GLOBAL	Gravity	108.	One way
256	Lr	GLOBAL	Gravity	50.	One way
256	G	GLOBAL	Gravity	50.	One way
256	W	GLOBAL	Gravity	69.36	One way
257	D	GLOBAL	Gravity	108.	One way
257	Lr	GLOBAL	Gravity	50.	One way
257	G	GLOBAL	Gravity	50.	One way
257	W	GLOBAL	Gravity	69.36	One way
258	D	GLOBAL	Gravity	108.	One way
258	Lr	GLOBAL	Gravity	50.	One way
258	G	GLOBAL	Gravity	50.	One way
258	W	GLOBAL	Gravity	69.36	One way
259	D	GLOBAL	Gravity	108.	One way
259	Lr	GLOBAL	Gravity	50.	One way
259	G	GLOBAL	Gravity	50.	One way
259	W	GLOBAL	Gravity	69.36	One way
260	D	GLOBAL	Gravity	108.	One way
260	Lr	GLOBAL	Gravity	50.	One way
260	G	GLOBAL	Gravity	50.	One way
260	W	GLOBAL	Gravity	69.36	One way
263	D	GLOBAL	Gravity	108.	One way
263	Lr	GLOBAL	Gravity	50.	One way
263	G	GLOBAL	Gravity	50.	One way
263	W	GLOBAL	Gravity	69.36	One way
264	D	GLOBAL	Gravity	108.	One way
264	Lr	GLOBAL	Gravity	50.	One way
264	G	GLOBAL	Gravity	50.	One way
264	W	GLOBAL	Gravity	69.36	One way
265	D	GLOBAL	Gravity	108.	One way
265	Lr	GLOBAL	Gravity	50.	One way
265	G	GLOBAL	Gravity	50.	One way
265	W	GLOBAL	Gravity	69.36	One way
266	D	GLOBAL	Gravity	108.	One way
266	Lr	GLOBAL	Gravity	50.	One way
266	G	GLOBAL	Gravity	50.	One way
266	W	GLOBAL	Gravity	69.36	One way
267	D	GLOBAL	Gravity	108.	One way
267	Lr	GLOBAL	Gravity	50.	One way
267	G	GLOBAL	Gravity	50.	One way
267	W	GLOBAL	Gravity	69.36	One way
268	D	GLOBAL	Gravity	108.	One way
268	Lr	GLOBAL	Gravity	50.	One way

Table: Area Loads - Uniform To Frame					
Area	**LoadPat**	**CoordSys**	**Dir**	**UnifLoad**	**DistType**
				Kgf/m2	
268	G	GLOBAL	Gravity	50.	One way
268	W	GLOBAL	Gravity	69.36	One way
269	D	GLOBAL	Gravity	108.	One way
269	Lr	GLOBAL	Gravity	50.	One way
269	G	GLOBAL	Gravity	50.	One way
269	W	GLOBAL	Gravity	69.36	One way
270	D	GLOBAL	Gravity	108.	One way
270	Lr	GLOBAL	Gravity	50.	One way
270	G	GLOBAL	Gravity	50.	One way
270	W	GLOBAL	Gravity	69.36	One way
271	D	GLOBAL	Gravity	108.	One way
271	Lr	GLOBAL	Gravity	50.	One way
271	G	GLOBAL	Gravity	50.	One way
271	W	GLOBAL	Gravity	69.36	One way
272	D	GLOBAL	Gravity	108.	One way
272	Lr	GLOBAL	Gravity	50.	One way
272	G	GLOBAL	Gravity	50.	One way
272	W	GLOBAL	Gravity	69.36	One way

Table: Area Section Assignments

Table: Area Section Assignments		
Area	**Section**	**MatProp**
186	CUB	Default
187	CUB	Default
188	CUB	Default
189	CUB	Default
190	CUB	Default
191	CUB	Default
192	CUB	Default
193	CUB	Default
194	CUB	Default
195	CUB	Default
196	CUB	Default
197	CUB	Default
198	CUB	Default
199	CUB	Default
200	CUB	Default
201	CUB	Default
202	CUB	Default
203	CUB	Default
204	CUB	Default
205	CUB	Default
206	CUB	Default
207	CUB	Default
208	CUB	Default
209	CUB	Default
210	CUB	Default
211	CUB	Default
212	CUB	Default

Table: Area Section Assignments		
Area	**Section**	**MatProp**
213	CUB	Default
214	CUB	Default
215	CUB	Default
216	CUB	Default
217	CUB	Default
218	CUB	Default
219	CUB	Default
220	CUB	Default
221	CUB	Default
222	CUB	Default
223	CUB	Default
224	CUB	Default
225	CUB	Default
226	CUB	Default
227	CUB	Default
228	CUB	Default
231	CUB	Default
232	CUB	Default
233	CUB	Default
234	CUB	Default
235	CUB	Default
236	CUB	Default
239	CUB	Default
240	CUB	Default
241	CUB	Default
242	CUB	Default
243	CUB	Default
244	CUB	Default
247	CUB	Default
248	CUB	Default
249	CUB	Default
250	CUB	Default
251	CUB	Default
252	CUB	Default
255	CUB	Default
256	CUB	Default
257	CUB	Default
258	CUB	Default
259	CUB	Default
260	CUB	Default
263	CUB	Default
264	CUB	Default
265	CUB	Default
266	CUB	Default
267	CUB	Default
268	CUB	Default
269	CUB	Default
270	CUB	Default
271	CUB	Default
272	CUB	Default

Table: Area Section Properties, Part 1 of 4

Table: Area Section Properties, Part 1 of 4								
Section	**Material**	**MatAngle**	**AreaType**	**Type**	**DrillDOF**	**Thickness**	**BendThick**	**Arc**
		Degrees				m	m	Degrees
ASEC1	4000Psi	0.	Shell	Shell-Thin	Yes	0.25	0.25	
CUB	SNN	0.	Shell	Membrane	Yes	0.0001	0.0001	

Table: Area Section Properties, Part 2 of 4

Table: Area Section Properties, Part 2 of 4							
Section	**InComp**	**CoordSys**	**Color**	**TotalWt**	**TotalMass**	**F11Mod**	**F22Mod**
				Kgf	Kgf-s2/m		
ASEC1			Magenta	0.	0.	1.	1.
CUB			Blue	0.	0.	1.	1.

Table: Area Section Properties, Part 3 of 4

Table: Area Section Properties, Part 3 of 4								
Section	**F12Mod**	**M11Mod**	**M22Mod**	**M12Mod**	**V13Mod**	**V23Mod**	**MMod**	**WMod**
ASEC1	1.	1.	1.	1.	1.	1.	1.	1.
CUB	1.	1.	1.	1.	1.	1.	1.	1.

Table: Area Section Properties, Part 4 of 4

Table: Area Section Properties, Part 4 of 4		
Section	**GUID**	**Notes**
ASEC1		
CUB		Added 12/01/2017 1:54:20 a. m.

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB1	Linear Add	No	Linear Static	D	1.4	Strength
COMB2	Linear Add	No	Linear Static	D	1.2	Strength
COMB2			Linear Static	Lr	0.5	
COMB3	Linear Add	No	Linear Static	D	1.2	Strength
COMB3			Linear Static	G	0.5	
COMB4	Linear Add	No	Linear Static	D	1.2	Strength
COMB4			Linear Static	Lr	1.6	
COMB4			Linear Static	W	0.5	
COMB5	Linear Add	No	Linear Static	D	1.2	Strength
COMB5			Linear Static	Lr	1.6	
COMB5			Linear Static	W	-0.5	
COMB6	Linear Add	No	Linear Static	D	1.2	Strength
COMB6			Linear Static	W	0.5	
COMB6			Linear Static	G	1.6	
COMB7	Linear Add	No	Linear Static	D	1.2	Strength
COMB7			Linear Static	W	-0.5	

Table: Combination Definitions, Part 1 of 3						
ComboName	**ComboType**	**AutoDesign**	**CaseType**	**CaseName**	**ScaleFactor**	**SteelDesign**
COMB7			Linear Static	G	1.6	
COMB8	Linear Add	No	Linear Static	D	1.2	Strength
COMB8			Linear Static	Lr	0.5	
COMB8			Linear Static	W	1.	
COMB9	Linear Add	No	Linear Static	D	1.2	Strength
COMB9			Linear Static	Lr	0.5	
COMB9			Linear Static	W	-1.	
COMB10	Linear Add	No	Linear Static	D	1.2	Strength
COMB10			Linear Static	G	0.5	
COMB10			Linear Static	W	1.	
COMB11	Linear Add	No	Linear Static	D	1.2	Strength
COMB11			Linear Static	G	0.5	
COMB11			Linear Static	W	-1.	
COMB12	Linear Add	No	Linear Static	D	0.9	Strength
COMB12			Linear Static	W	1.	
COMB13	Linear Add	No	Linear Static	D	0.9	Strength
COMB13			Linear Static	W	-1.	
DEF1	Linear Add	No	Linear Static	D	1.	Deflection
DEF1			Linear Static	Lr	1.	
DEF2	Linear Add	No	Linear Static	D	1.	Deflection
DEF2			Linear Static	G	1.	
ENVDIS	Envelope	No	Response Combo	COMB1	1.	None
ENVDIS			Response Combo	COMB2	1.	
ENVDIS			Response Combo	COMB3	1.	
ENVDIS			Response Combo	COMB4	1.	
ENVDIS			Response Combo	COMB5	1.	
ENVDIS			Response Combo	COMB6	1.	
ENVDIS			Response Combo	COMB7	1.	
ENVDIS			Response Combo	COMB8	1.	
ENVDIS			Response Combo	COMB9	1.	
ENVDIS			Response Combo	COMB10	1.	
ENVDIS			Response Combo	COMB11	1.	
ENVDIS			Response Combo	COMB12	1.	
ENVDIS			Response Combo	COMB13	1.	

Table: Frame Section Assignments

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
1	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
5	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
6	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
7	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
8	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
9	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
10	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
11	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
17	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
22	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
23	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
24	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
25	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
26	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
27	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
28	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
29	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
30	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
31	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
32	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
33	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
34	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
35	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
36	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
37	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
38	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
39	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
40	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
41	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
42	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
43	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
44	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
45	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
46	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
47	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
48	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
49	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
50	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
51	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
52	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
53	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
54	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
55	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
56	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
57	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
58	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
59	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
60	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
61	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
62	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
63	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
64	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
65	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
66	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
67	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
68	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
69	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
70	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
71	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
72	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
73	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
74	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
75	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
76	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
77	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
78	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
79	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
80	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
81	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
82	Channel	N.A.	PHRC 120X60X15X2.00	PHRC 120X60X15X2.00	Default
83	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
84	Tube	N.A.	2PHRC 160X60X15X2.0	2PHRC 160X60X15X2.0	Default
85	Cold Formed C	N.A.	CORREA	CORREA	Default
86	Cold Formed C	N.A.	CORREA	CORREA	Default
87	Cold Formed C	N.A.	CORREA	CORREA	Default
88	Cold Formed C	N.A.	CORREA	CORREA	Default
89	Cold Formed C	N.A.	CORREA	CORREA	Default
90	Cold Formed C	N.A.	CORREA	CORREA	Default
91	Cold Formed C	N.A.	CORREA	CORREA	Default
92	Cold Formed C	N.A.	CORREA	CORREA	Default
93	Cold Formed C	N.A.	CORREA	CORREA	Default
94	Cold Formed C	N.A.	CORREA	CORREA	Default
95	Cold Formed C	N.A.	CORREA	CORREA	Default
96	Cold Formed C	N.A.	CORREA	CORREA	Default
97	Cold Formed C	N.A.	CORREA	CORREA	Default
98	Cold Formed C	N.A.	CORREA	CORREA	Default
99	Cold Formed C	N.A.	CORREA	CORREA	Default
100	Cold Formed C	N.A.	CORREA	CORREA	Default
101	Cold Formed C	N.A.	CORREA	CORREA	Default
102	Cold Formed C	N.A.	CORREA	CORREA	Default
103	Cold Formed C	N.A.	CORREA	CORREA	Default
104	Cold Formed C	N.A.	CORREA	CORREA	Default
105	Cold Formed C	N.A.	CORREA	CORREA	Default
106	Cold Formed C	N.A.	CORREA	CORREA	Default
107	Cold Formed C	N.A.	CORREA	CORREA	Default
108	Cold Formed C	N.A.	CORREA	CORREA	Default
109	Cold Formed C	N.A.	CORREA	CORREA	Default

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
110	Cold Formed C	N.A.	CORREA	CORREA	Default
111	Cold Formed C	N.A.	CORREA	CORREA	Default
112	Cold Formed C	N.A.	CORREA	CORREA	Default
113	Cold Formed C	N.A.	CORREA	CORREA	Default
114	Cold Formed C	N.A.	CORREA	CORREA	Default
115	Cold Formed C	N.A.	CORREA	CORREA	Default
116	Cold Formed C	N.A.	CORREA	CORREA	Default
117	Cold Formed C	N.A.	CORREA	CORREA	Default
118	Cold Formed C	N.A.	CORREA	CORREA	Default
119	Cold Formed C	N.A.	CORREA	CORREA	Default
120	Cold Formed C	N.A.	CORREA	CORREA	Default
121	Cold Formed C	N.A.	CORREA	CORREA	Default
122	Cold Formed C	N.A.	CORREA	CORREA	Default
123	Cold Formed C	N.A.	CORREA	CORREA	Default
124	Cold Formed C	N.A.	CORREA	CORREA	Default
125	Cold Formed C	N.A.	CORREA	CORREA	Default
126	Cold Formed C	N.A.	CORREA	CORREA	Default
127	Cold Formed C	N.A.	CORREA	CORREA	Default
128	Cold Formed C	N.A.	CORREA	CORREA	Default
129	Cold Formed C	N.A.	CORREA	CORREA	Default
130	Cold Formed C	N.A.	CORREA	CORREA	Default
131	Cold Formed C	N.A.	CORREA	CORREA	Default
132	Cold Formed C	N.A.	CORREA	CORREA	Default
133	Cold Formed C	N.A.	CORREA	CORREA	Default
134	Cold Formed C	N.A.	CORREA	CORREA	Default
135	Cold Formed C	N.A.	CORREA	CORREA	Default
136	Cold Formed C	N.A.	CORREA	CORREA	Default
137	Cold Formed C	N.A.	CORREA	CORREA	Default
138	Cold Formed C	N.A.	CORREA	CORREA	Default
139	Cold Formed C	N.A.	CORREA	CORREA	Default
140	Cold Formed C	N.A.	CORREA	CORREA	Default
141	Cold Formed C	N.A.	CORREA	CORREA	Default
142	Cold Formed C	N.A.	CORREA	CORREA	Default
143	Cold Formed C	N.A.	CORREA	CORREA	Default
144	Cold Formed C	N.A.	CORREA	CORREA	Default
145	Cold Formed C	N.A.	CORREA	CORREA	Default
146	Cold Formed C	N.A.	CORREA	CORREA	Default
147	Cold Formed C	N.A.	CORREA	CORREA	Default
148	Cold Formed C	N.A.	CORREA	CORREA	Default
149	Cold Formed C	N.A.	CORREA	CORREA	Default
150	Cold Formed C	N.A.	CORREA	CORREA	Default
151	Cold Formed C	N.A.	CORREA	CORREA	Default
152	Cold Formed C	N.A.	CORREA	CORREA	Default
153	Cold Formed C	N.A.	CORREA	CORREA	Default
154	Cold Formed C	N.A.	CORREA	CORREA	Default
155	Cold Formed C	N.A.	CORREA	CORREA	Default
156	Cold Formed C	N.A.	CORREA	CORREA	Default
157	Cold Formed C	N.A.	CORREA	CORREA	Default
158	Cold Formed C	N.A.	CORREA	CORREA	Default
159	Cold Formed C	N.A.	CORREA	CORREA	Default
160	Cold Formed C	N.A.	CORREA	CORREA	Default
161	Cold Formed C	N.A.	CORREA	CORREA	Default

Table: Frame Section Assignments					
Frame	**SectionType**	**AutoSelect**	**AnalSect**	**DesignSect**	**MatProp**
162	Cold Formed C	N.A.	CORREA	CORREA	Default
163	Cold Formed C	N.A.	CORREA	CORREA	Default
164	Cold Formed C	N.A.	CORREA	CORREA	Default
165	Cold Formed C	N.A.	CORREA	CORREA	Default
166	Cold Formed C	N.A.	CORREA	CORREA	Default
167	Cold Formed C	N.A.	CORREA	CORREA	Default
168	Cold Formed C	N.A.	CORREA	CORREA	Default

Table: Frame Section Properties 01 - General, Part 1 of 7

Table: Frame Section Properties 01 - General, Part 1 of 7						
SectionName	**Material**	**Shape**	**t3**	**t2**	**tf**	**tw**
			m	m	m	m
1/2"	A615Gr60	Circle	0.0127			
2PHRC 160X60X15X2.0	A653-GR50	Box/Tube	0.12	0.12	0.002	0.002
CORREA	A653SQGr50	Cold Formed C	0.12	0.06		0.002
PAR 18X11	M-ES2	Rectangular	0.18	0.11		
PEN 18X11	M-ES2	Rectangular	0.18	0.11		
PHRC 120X60X15X2.00	A653-GR50	Channel	0.12	0.06	0.002	0.002
PUNT 10X8	M-ES2	Rectangular	0.08	0.1		
TIR 20X9	M-ES2	Rectangular	0.2	0.09		
TORN 12X12	M-ES2	Rectangular	0.12	0.12		
UPN160	A992Fy50	Channel	0.16	0.065	0.0105	0.0075

Table: Frame Section Properties 01 - General, Part 2 of 7

Table: Frame Section Properties 01 - General, Part 2 of 7							
SectionName	**Radius**	**LipDepth**	**Area**	**TorsConst**	**I33**	**I22**	**I23**
	m	m	m2	m4	m4	m4	m4
1/2"			0.000127	2.554E-09	1.277E-09	1.277E-09	0.
2PHRC 160X60X15X2.0			0.000944	3.286E-06	2.191E-06	2.191E-06	0.
CORREA	0.	0.015	0.000521	6.941E-10	1.222E-06	2.553E-07	0.
PAR 18X11			0.0198	0.000049	0.000053	0.00002	0.
PEN 18X11			0.0198	0.000049	0.000053	0.00002	0.
PHRC 120X60X15X2.00			0.000472	6.193E-10	1.096E-06	1.713E-07	0.
PUNT 10X8			0.008	8.759E-06	4.267E-06	6.667E-06	0.
TIR 20X9			0.018	0.000035	0.00006	0.000012	0.
TORN 12X12			0.0144	0.000029	0.000017	0.000017	0.
UPN160			0.002402	6.971E-08	9.246E-06	8.539E-07	0.

Table: Frame Section Properties 01 - General, Part 3 of 7

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**AS2**	**AS3**	**S33**	**S22**	**Z33**	**Z22**	**R33**
	m2	m2	m3	m3	m3	m3	m
1/2"	0.000114	0.000114	2.011E-07	2.011E-07	3.414E-07	3.414E-07	0.003175

Table: Frame Section Properties 01 - General, Part 3 of 7							
SectionName	**AS2**	**AS3**	**S33**	**S22**	**Z33**	**Z22**	**R33**
	m2	m2	m3	m3	m3	m3	m
2PHRC 160X60X15X2.0	0.00048	0.00048	0.000037	0.000037	0.000042	0.000042	0.04818
CORREA	0.000232	0.000224	0.00002	6.379E-06	0.00002	6.379E-06	0.04845
PAR 18X11	0.0165	0.0165	0.000594	0.000363	0.000891	0.000545	0.051962
PEN 18X11	0.0165	0.0165	0.000594	0.000363	0.000891	0.000545	0.051962
PHRC 120X60X15X2.00	0.00024	0.00024	0.000018	3.871E-06	0.000021	6.968E-06	0.04818
PUNT 10X8	0.006667	0.006667	0.000107	0.000133	0.00016	0.0002	0.023094
TIR 20X9	0.015	0.015	0.0006	0.00027	0.0009	0.000405	0.057735
TORN 12X12	0.012	0.012	0.000288	0.000288	0.000432	0.000432	0.034641
UPN160	0.0012	0.001138	0.000116	0.000018	0.000141	0.000039	0.062043

Table: Frame Section Properties 01 - General, Part 4 of 7

Table: Frame Section Properties 01 - General, Part 4 of 7							
SectionName	**R22**	**EccV2**	**ConcCol**	**ConcBeam**	**Color**	**TotalWt**	**TotalMass**
	m	m				Kgf	Kgf-s2/m
1/2"	0.003175		No	No	Red	0.	0.
2PHRC 160X60X15X2.0	0.04818		No	No	Green	1124.16	114.63
CORREA	0.022148		No	No	Magenta	753.61	76.85
PAR 18X11	0.031754		No	No	Cyan	0.	0.
PEN 18X11	0.031754		No	No	White	0.	0.
PHRC 120X60X15X2.00	0.01905	0.036858	No	No	Yellow	122.87	12.53
PUNT 10X8	0.028868		No	No	Cyan	0.	0.
TIR 20X9	0.025981		No	No	Magenta	0.	0.
TORN 12X12	0.034641		No	No	Blue	0.	0.
UPN160	0.018855	0.038286	No	No	Green	0.	0.

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	**AxisDir**	**GridID**	**XRYZCoord**	**LineType**	**LineColor**	**Visible**	**BubbleLoc**
			m				
GLOBAL	X		0.	Primary	Gray8Dark	Yes	End
GLOBAL	X		2.	Primary	Gray8Dark	Yes	End
GLOBAL	X		4.03	Primary	Gray8Dark	Yes	End
GLOBAL	X		5.62	Primary	Gray8Dark	Yes	End
GLOBAL	X		7.21	Primary	Gray8Dark	Yes	End
GLOBAL	X		8.84	Primary	Gray8Dark	Yes	End
GLOBAL	X		9.66	Primary	Gray8Dark	Yes	End
GLOBAL	Y		0.	Primary	Gray8Dark	Yes	Start
GLOBAL	Y		2.24	Primary	Gray8Dark	Yes	Start
GLOBAL	Y		4.42	Primary	Gray8Dark	Yes	Start
GLOBAL	Y		6.59	Primary	Gray8Dark	Yes	Start
GLOBAL	Y		8.77	Primary	Gray8Dark	Yes	Start
GLOBAL	Y		10.95	Primary	Gray8Dark	Yes	Start
GLOBAL	Y		13.13	Primary	Gray8Dark	Yes	Start
GLOBAL	Y		15.37	Primary	Gray8Dark	Yes	Start
GLOBAL	Z		0.	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 1 of 2							
CoordSys	AxisDir	GridID	XRYZCoord	LineType	LineColor	Visible	BubbleLoc
			m				
GLOBAL	Z		0.63	Primary	Gray8Dark	Yes	End
GLOBAL	Z		1.96	Primary	Gray8Dark	Yes	End

Table: Grid Lines, Part 2 of 2

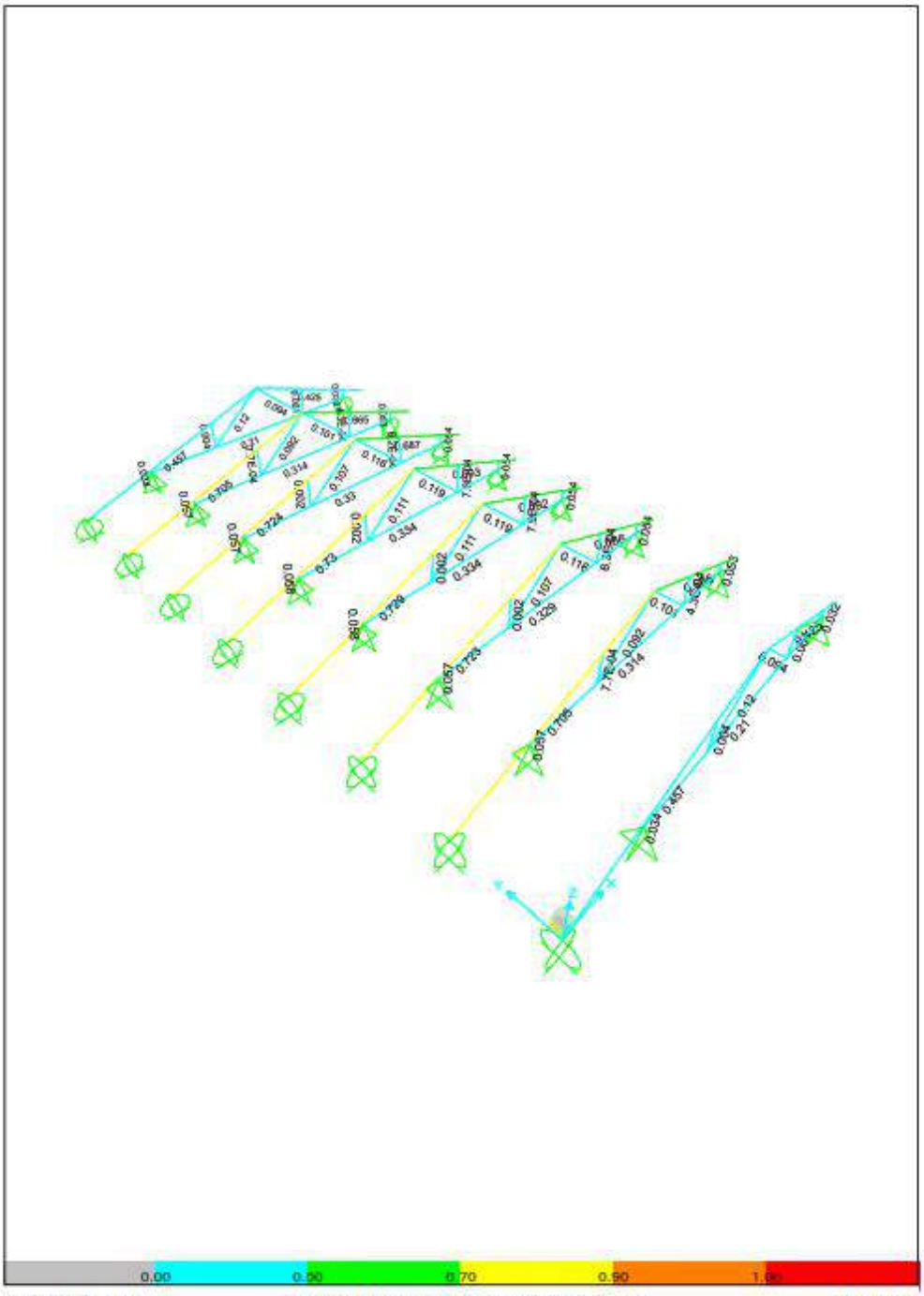
Table: Grid Lines, Part 2 of 2		
CoordSys	AllVisible	BubbleSize
		m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
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Table: Material Properties 01 - General, Part 1 of 2

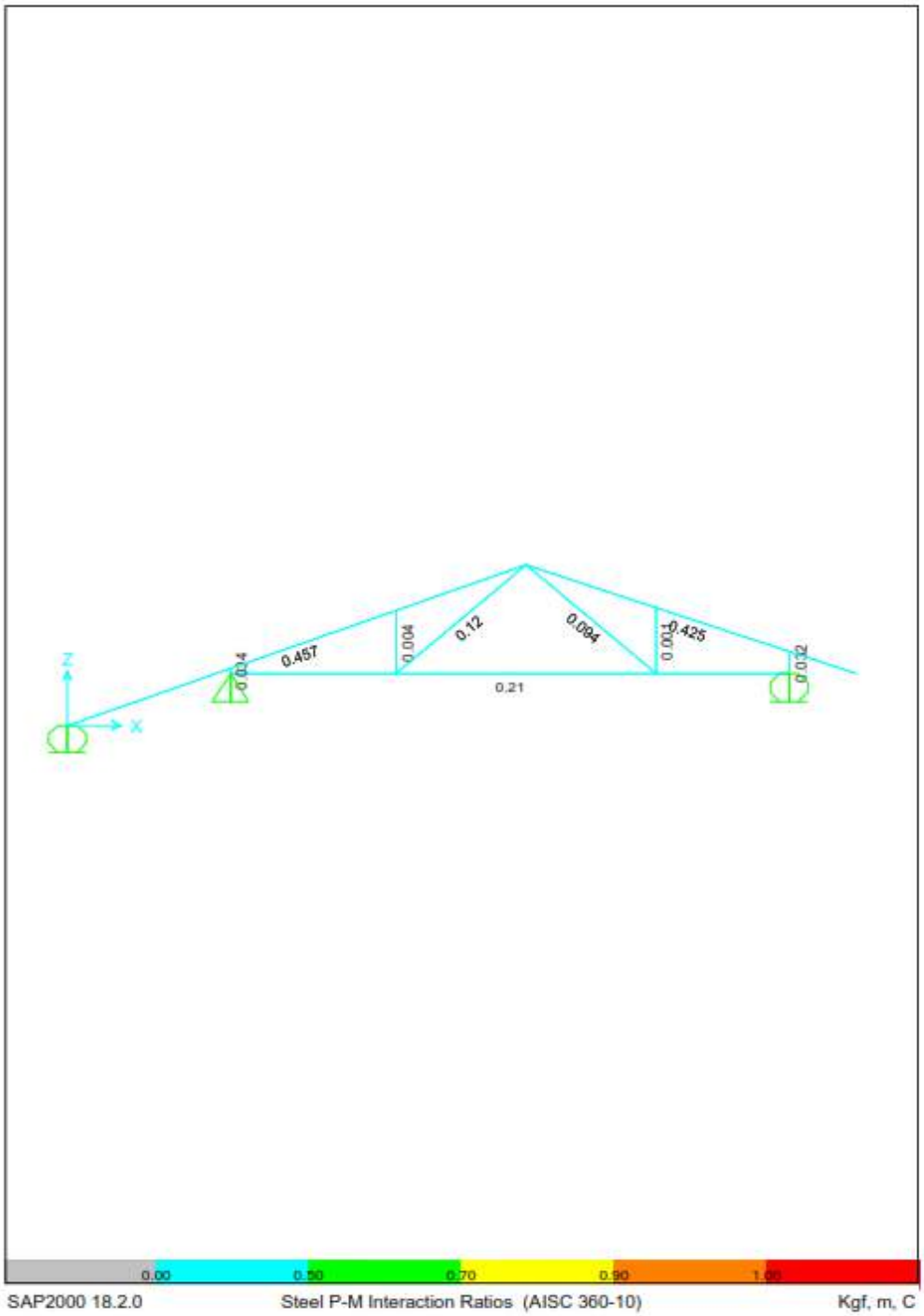
Table: Material Properties 01 - General, Part 1 of 2					
Material	Type	SymType	TempDepend	Color	GUID
4000Psi	Concrete	Isotropic	No	Yellow	
A36	Steel	Isotropic	No	Magenta	
A416Gr270	Tendon	Uniaxial	No	Blue	
A500GrA-TEC	Steel	Isotropic	No	Magenta	
A500GrA-TER	Steel	Isotropic	No	Magenta	
A500GrC-TEC	Steel	Isotropic	No	Magenta	
A500GrC-TER	Steel	Isotropic	No	Magenta	
A572Gr50	Steel	Isotropic	No	Magenta	
A588	Steel	Isotropic	No	Magenta	
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
A653-GR50	Steel	Isotropic	No	Green	
A653SQGr50	ColdFormed	Isotropic	No	White	
A992Fy50	Steel	Isotropic	No	Magenta	
M-ES1	Other	Isotropic	No	4227327	
M-ES2	Other	Isotropic	No	4227327	
M-ES3	Other	Isotropic	No	4227327	
M-ES4	Other	Isotropic	No	4227327	
M-ES5	Other	Isotropic	No	4227327	
M-ES6	Other	Isotropic	No	4227327	

Table: Material Properties 01 - General, Part 1 of 2					
Material	**Type**	**SymType**	**TempDepend**	**Color**	**GUID**
SNN	Steel	Isotropic	No	Magenta	

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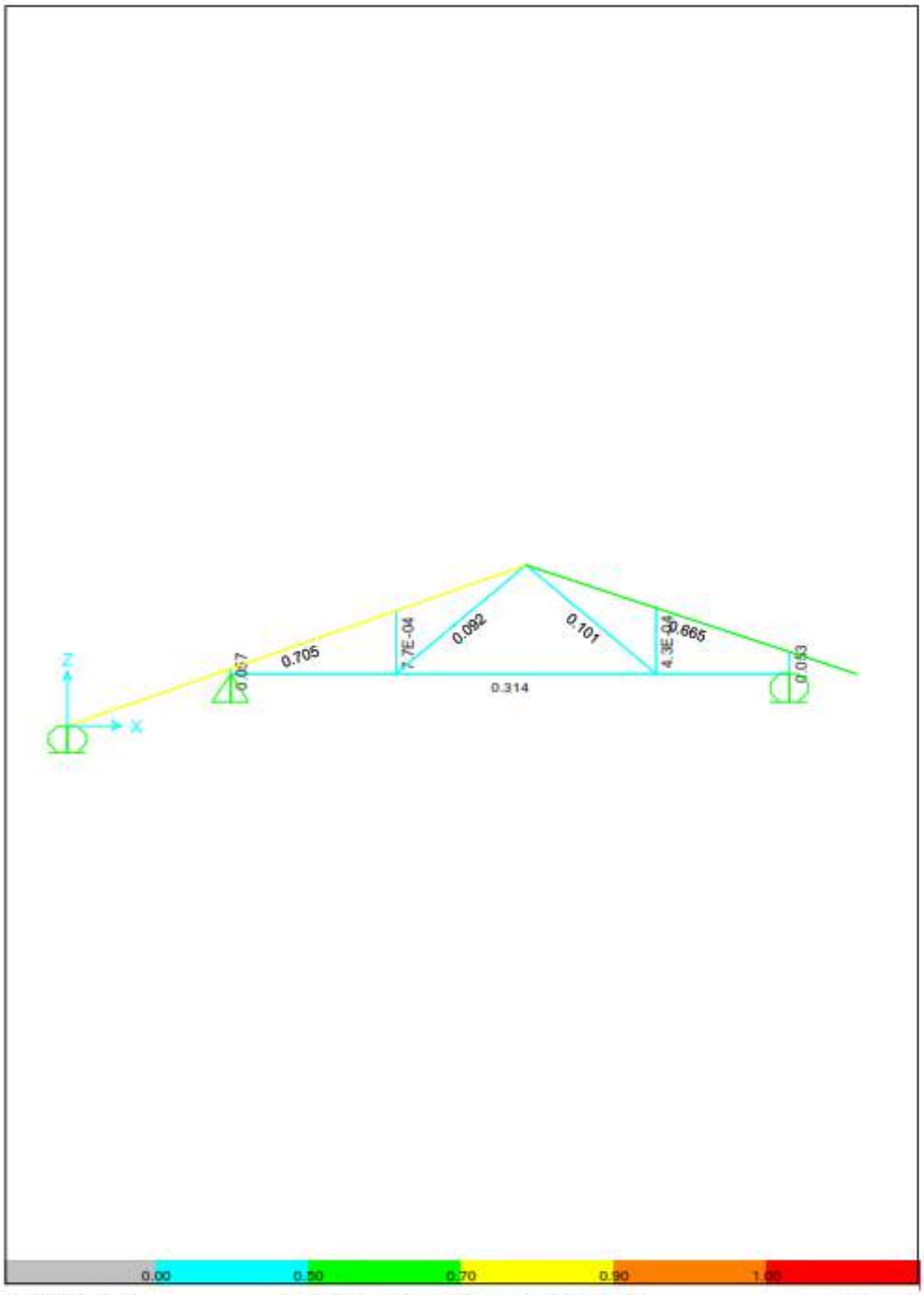


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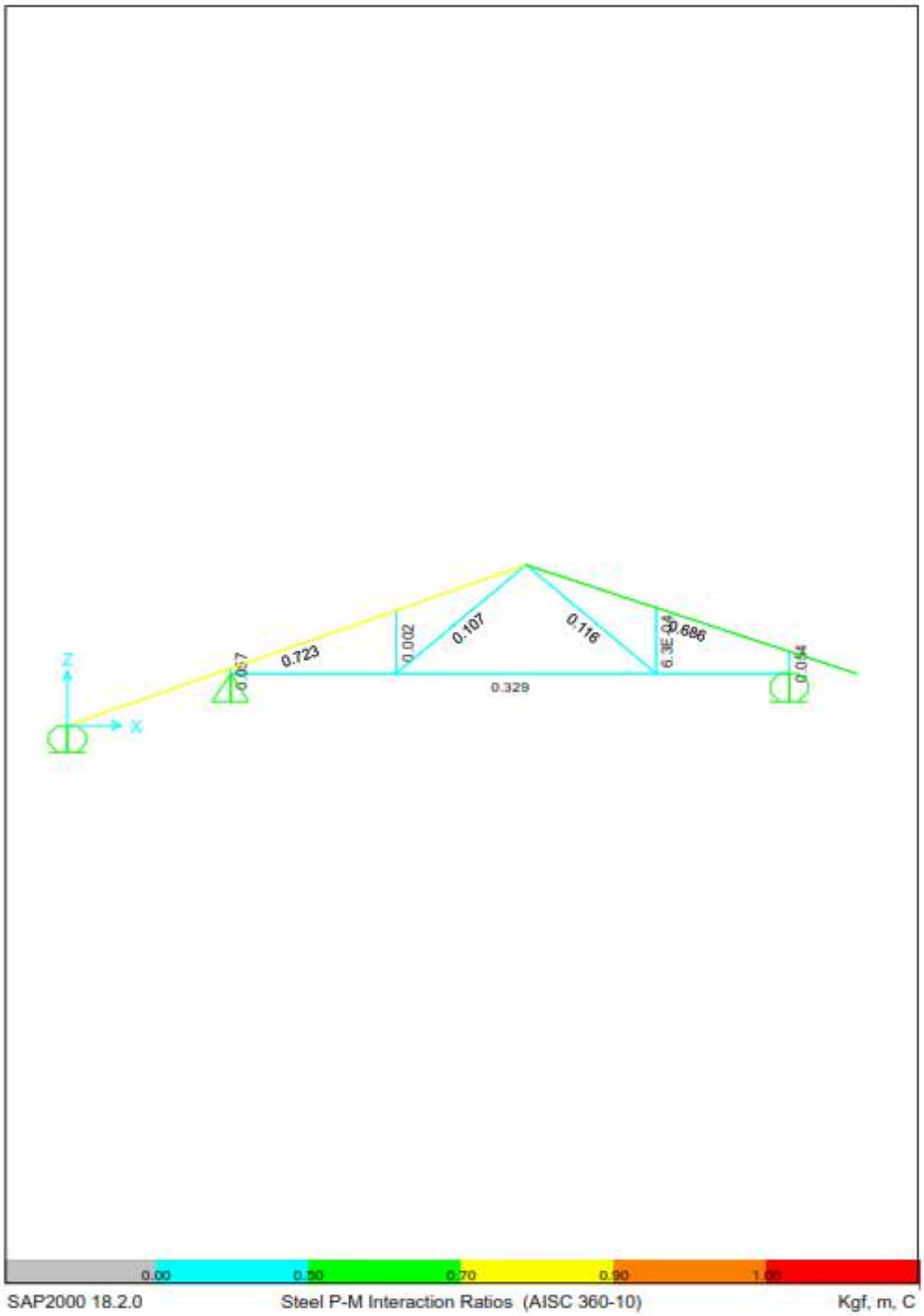


SAP2000 18.2.0 Steel P-M Interaction Ratios (AISC 360-10) Kgf, m, C

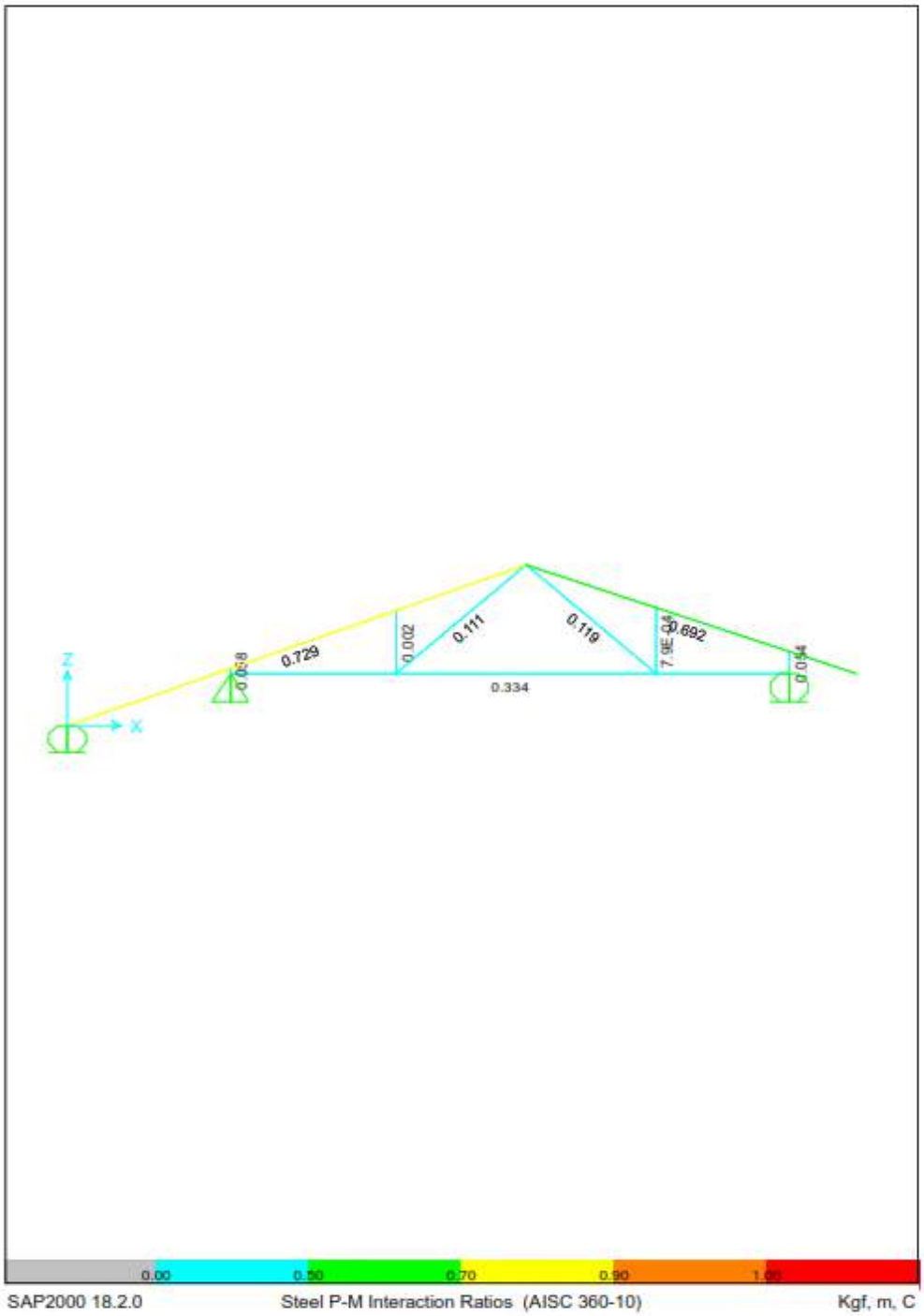
CERCHA METALICA TIPO CHM 1.sdb



CERCHA METALICA TIPO CHM 1.sdb

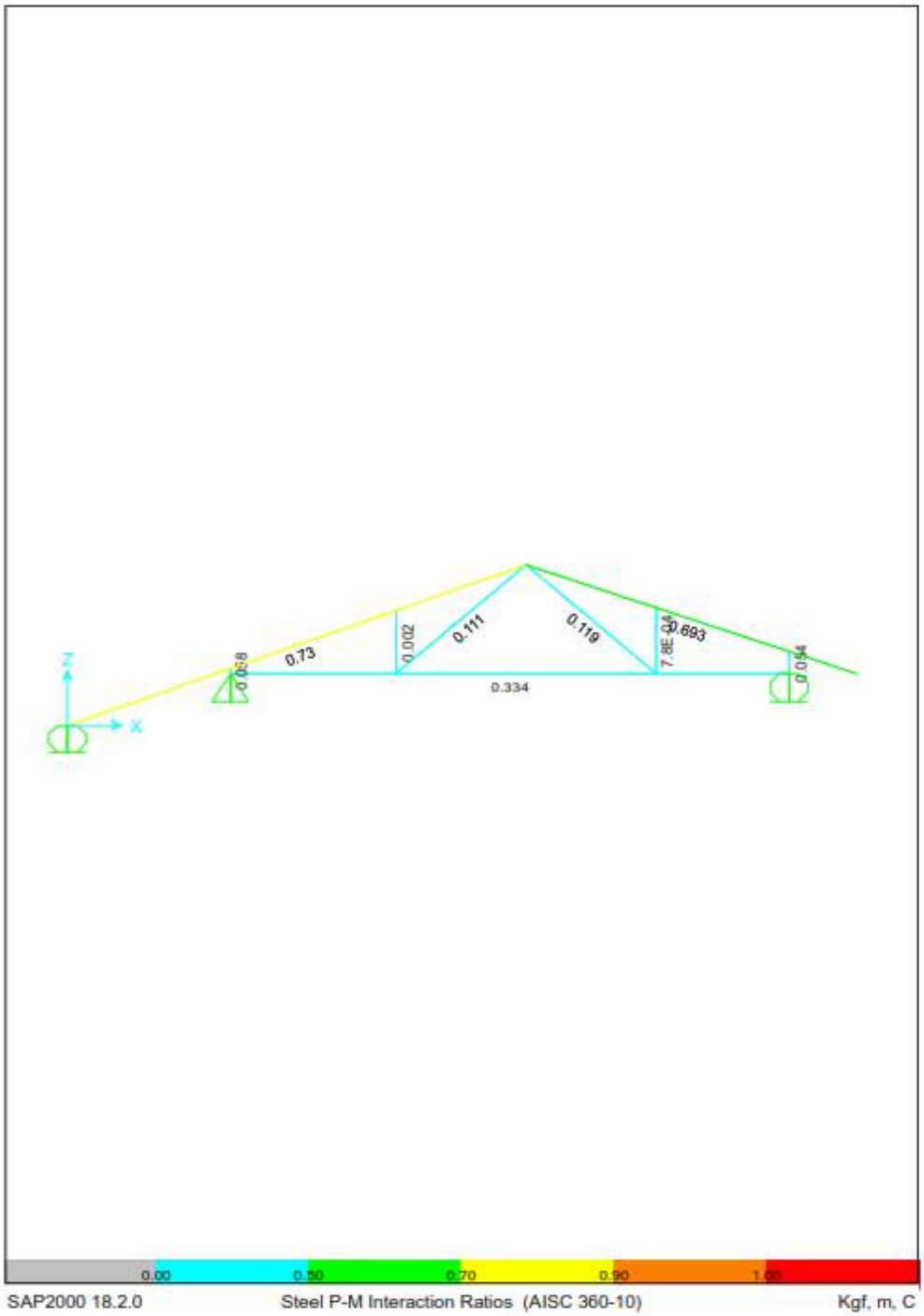


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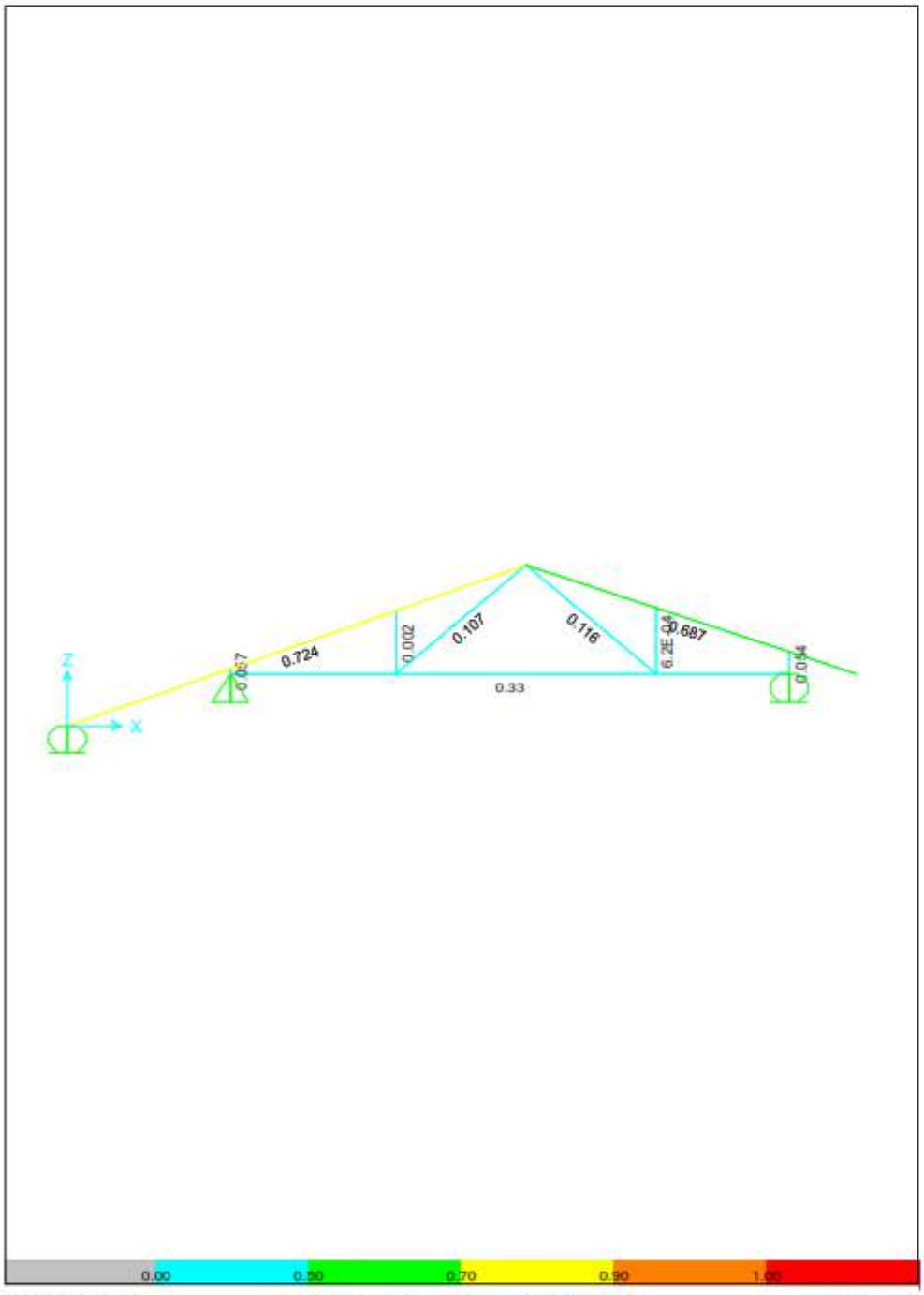


SAP2000 18.2.0 Steel P-M Interaction Ratios (AISC 360-10) Kgf, m, C

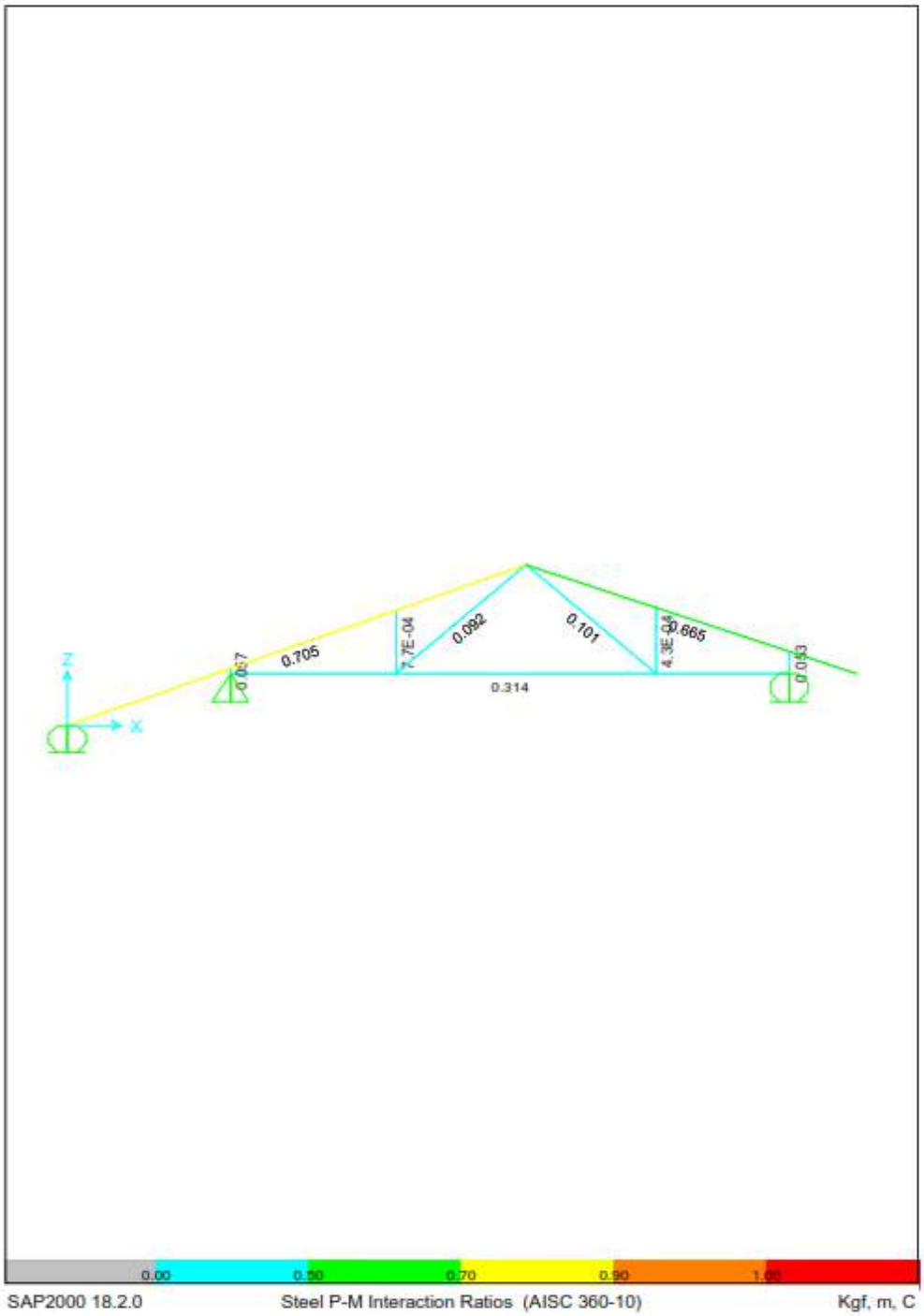
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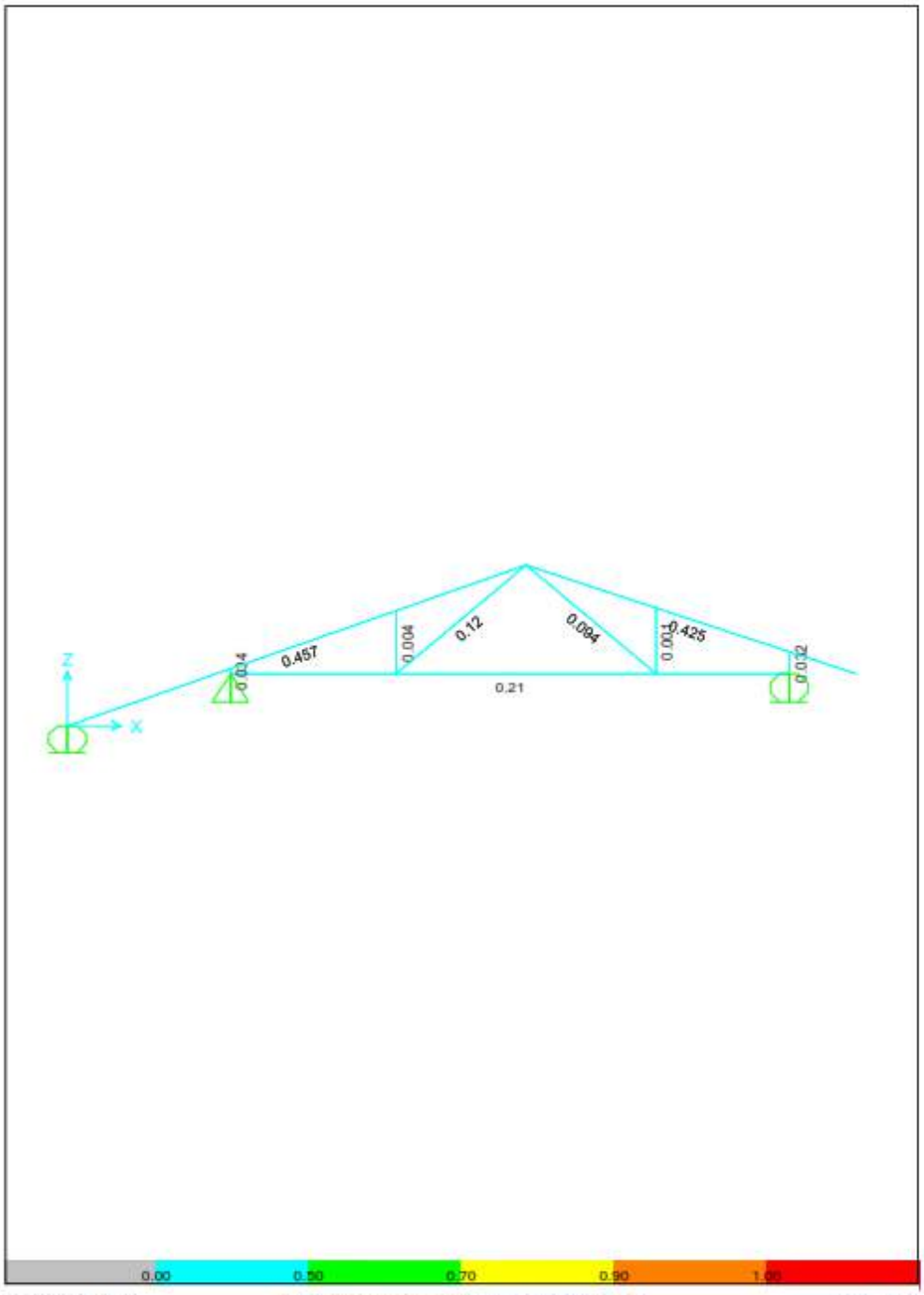
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CERCHA METALICA TIPO CHM 1.sdb



CERCHA METALICA TIPO CHM 1.sdb



SAP2000 18.2.0 Steel P-M Interaction Ratios (AISC 360-10) Kgf, m, C

Table: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2

Table: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2					
Frame	**DesignSect**	**DesignType**	**Status**	**Ratio**	**RatioType**
1	2PHRC 160X60X15X2.0	Beam	No Messages	0.209572	PMM
5	2PHRC 160X60X15X2.0	Column	No Messages	0.034242	PMM
6	2PHRC 160X60X15X2.0	Column	No Messages	0.031566	PMM
7	2PHRC 160X60X15X2.0	Column	No Messages	0.003818	PMM
8	2PHRC 160X60X15X2.0	Column	No Messages	0.001196	PMM
9	PHRC 120X60X15X2.00	Brace	No Messages	0.119901	PMM
10	PHRC 120X60X15X2.00	Brace	No Messages	0.093729	PMM
11	2PHRC 160X60X15X2.0	Brace	No Messages	0.457193	PMM
17	2PHRC 160X60X15X2.0	Brace	No Messages	0.42489	PMM
22	2PHRC 160X60X15X2.0	Beam	No Messages	0.314261	PMM
23	2PHRC 160X60X15X2.0	Column	No Messages	0.056582	PMM
24	2PHRC 160X60X15X2.0	Column	No Messages	0.052784	PMM
25	2PHRC 160X60X15X2.0	Column	No Messages	0.000766	PMM
26	2PHRC 160X60X15X2.0	Column	No Messages	0.000433	PMM
27	PHRC 120X60X15X2.00	Brace	No Messages	0.0917	PMM
28	PHRC 120X60X15X2.00	Brace	No Messages	0.100589	PMM
29	2PHRC 160X60X15X2.0	Brace	No Messages	0.704763	PMM
30	2PHRC 160X60X15X2.0	Brace	No Messages	0.665182	PMM
31	2PHRC 160X60X15X2.0	Beam	No Messages	0.328992	PMM
32	2PHRC 160X60X15X2.0	Column	No Messages	0.057326	PMM
33	2PHRC 160X60X15X2.0	Column	No Messages	0.053791	PMM
34	2PHRC 160X60X15X2.0	Column	No Messages	0.001608	PMM
35	2PHRC 160X60X15X2.0	Column	No Messages	0.000625	PMM
36	PHRC 120X60X15X2.00	Brace	No Messages	0.106713	PMM
37	PHRC 120X60X15X2.00	Brace	No Messages	0.115594	PMM
38	2PHRC 160X60X15X2.0	Brace	No Messages	0.722818	PMM
39	2PHRC 160X60X15X2.0	Brace	No Messages	0.686175	PMM
40	2PHRC 160X60X15X2.0	Beam	No Messages	0.333892	PMM

Table: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2					
Frame	**DesignSect**	**DesignType**	**Status**	**Ratio**	**RatioType**
41	2PHRC 160X60X15X2.0	Column	No Messages	0.057758	PMM
42	2PHRC 160X60X15X2.0	Column	No Messages	0.054249	PMM
43	2PHRC 160X60X15X2.0	Column	No Messages	0.001855	PMM
44	2PHRC 160X60X15X2.0	Column	No Messages	0.000787	PMM
45	PHRC 120X60X15X2.00	Brace	No Messages	0.111185	PMM
46	PHRC 120X60X15X2.00	Brace	No Messages	0.119459	PMM
47	2PHRC 160X60X15X2.0	Brace	No Messages	0.729259	PMM
48	2PHRC 160X60X15X2.0	Brace	No Messages	0.6921	PMM
49	2PHRC 160X60X15X2.0	Beam	No Messages	0.33436	PMM
50	2PHRC 160X60X15X2.0	Column	No Messages	0.05786	PMM
51	2PHRC 160X60X15X2.0	Column	No Messages	0.054345	PMM
52	2PHRC 160X60X15X2.0	Column	No Messages	0.001841	PMM
53	2PHRC 160X60X15X2.0	Column	No Messages	0.00078	PMM
54	PHRC 120X60X15X2.00	Brace	No Messages	0.111049	PMM
55	PHRC 120X60X15X2.00	Brace	No Messages	0.119478	PMM
56	2PHRC 160X60X15X2.0	Brace	No Messages	0.730359	PMM
57	2PHRC 160X60X15X2.0	Brace	No Messages	0.693161	PMM
58	2PHRC 160X60X15X2.0	Beam	No Messages	0.329533	PMM
59	2PHRC 160X60X15X2.0	Column	No Messages	0.057434	PMM
60	2PHRC 160X60X15X2.0	Column	No Messages	0.053894	PMM
61	2PHRC 160X60X15X2.0	Column	No Messages	0.001597	PMM
62	2PHRC 160X60X15X2.0	Column	No Messages	0.000623	PMM
63	PHRC 120X60X15X2.00	Brace	No Messages	0.106637	PMM
64	PHRC 120X60X15X2.00	Brace	No Messages	0.115674	PMM
65	2PHRC 160X60X15X2.0	Brace	No Messages	0.724035	PMM
66	2PHRC 160X60X15X2.0	Brace	No Messages	0.687376	PMM
67	2PHRC 160X60X15X2.0	Beam	No Messages	0.314371	PMM
68	2PHRC 160X60X15X2.0	Column	No Messages	0.056592	PMM
69	2PHRC 160X60X15X2.0	Column	No Messages	0.052795	PMM

Table: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2					
Frame	DesignSect	DesignType	Status	Ratio	RatioType
70	2PHRC 160X60X15X2.0	Column	No Messages	0.00077	PMM
71	2PHRC 160X60X15X2.0	Column	No Messages	0.000427	PMM
72	PHRC 120X60X15X2.00	Brace	No Messages	0.091803	PMM
73	PHRC 120X60X15X2.00	Brace	No Messages	0.100674	PMM
74	2PHRC 160X60X15X2.0	Brace	No Messages	0.704931	PMM
75	2PHRC 160X60X15X2.0	Brace	No Messages	0.66537	PMM
76	2PHRC 160X60X15X2.0	Beam	No Messages	0.209611	PMM
77	2PHRC 160X60X15X2.0	Column	No Messages	0.034247	PMM
78	2PHRC 160X60X15X2.0	Column	No Messages	0.03157	PMM
79	2PHRC 160X60X15X2.0	Column	No Messages	0.003822	PMM
80	2PHRC 160X60X15X2.0	Column	No Messages	0.001196	PMM
81	PHRC 120X60X15X2.00	Brace	No Messages	0.119959	PMM
82	PHRC 120X60X15X2.00	Brace	No Messages	0.093749	PMM
83	2PHRC 160X60X15X2.0	Brace	No Messages	0.457267	PMM
84	2PHRC 160X60X15X2.0	Brace	No Messages	0.424961	PMM

Table: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2

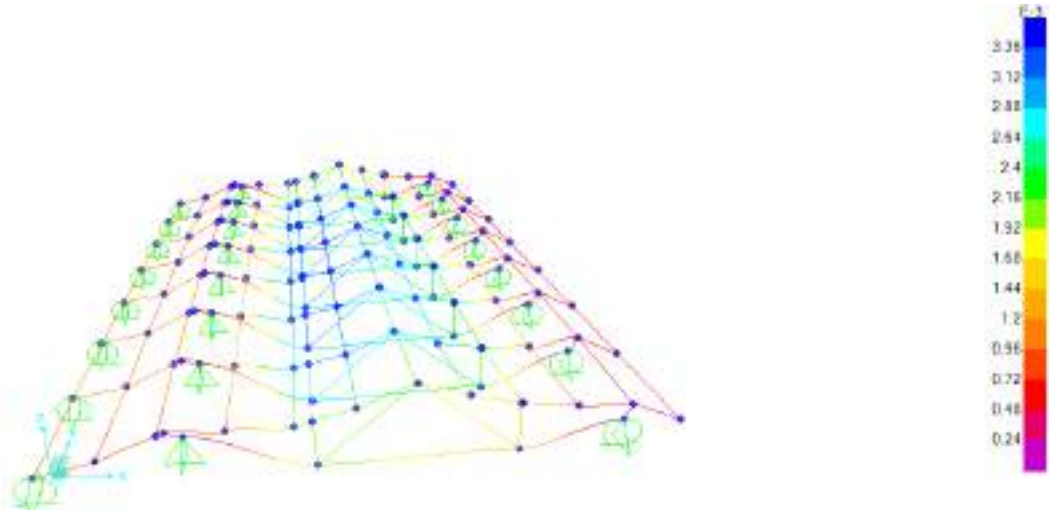
Table: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2				
Frame	Combo	Location	ErrMsg	WarnMsg
		m		
1	COMB4	6.84	No Messages	No Messages
5	COMB4	0.	No Messages	No Messages
6	COMB4	0.	No Messages	No Messages
7	COMB4	0.77548	No Messages	No Messages
8	COMB4	0.80656	No Messages	No Messages
9	COMB4	1.03646	No Messages	No Messages
10	COMB4	1.03646	No Messages	No Messages
11	COMB4	2.11814	No Messages	No Messages
17	COMB6	3.39	No Messages	No Messages
22	COMB6	6.84	No Messages	No Messages
23	COMB4	0.	No Messages	No Messages
24	COMB4	0.	No Messages	No Messages
25	COMB1	0.77548	No Messages	No Messages
26	COMB4	0.	No Messages	No Messages
27	COMB4	1.03646	No Messages	No Messages
28	COMB4	1.03646	No Messages	No Messages
29	COMB4	2.11814	No Messages	No Messages
30	COMB4	3.39	No Messages	No Messages
31	COMB4	6.84	No Messages	No Messages

Table: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2				
Frame	Combo	Location	ErrMsg	WarnMsg
		m		
32	COMB4	0.	No Messages	No Messages
33	COMB4	0.	No Messages	No Messages
34	COMB4	0.77548	No Messages	No Messages
35	COMB1	0.80656	No Messages	No Messages
36	COMB4	1.03646	No Messages	No Messages
37	COMB4	1.03646	No Messages	No Messages
38	COMB4	2.11814	No Messages	No Messages
39	COMB4	3.39	No Messages	No Messages
40	COMB4	6.84	No Messages	No Messages
41	COMB6	0.	No Messages	No Messages
42	COMB4	0.	No Messages	No Messages
43	COMB4	0.77548	No Messages	No Messages
44	COMB4	0.80656	No Messages	No Messages
45	COMB4	1.03646	No Messages	No Messages
46	COMB4	1.03646	No Messages	No Messages
47	COMB4	2.11814	No Messages	No Messages
48	COMB4	3.39	No Messages	No Messages
49	COMB4	6.84	No Messages	No Messages
50	COMB4	0.	No Messages	No Messages
51	COMB4	0.	No Messages	No Messages
52	COMB4	0.77548	No Messages	No Messages
53	COMB4	0.80656	No Messages	No Messages
54	COMB4	1.03646	No Messages	No Messages
55	COMB4	1.03646	No Messages	No Messages
56	COMB4	2.11814	No Messages	No Messages
57	COMB4	3.39	No Messages	No Messages
58	COMB4	6.84	No Messages	No Messages
59	COMB4	0.	No Messages	No Messages
60	COMB4	0.	No Messages	No Messages
61	COMB4	0.77548	No Messages	No Messages
62	COMB1	0.80656	No Messages	No Messages
63	COMB4	1.03646	No Messages	No Messages
64	COMB4	1.03646	No Messages	No Messages
65	COMB4	2.11814	No Messages	No Messages
66	COMB4	3.39	No Messages	No Messages
67	COMB4	6.84	No Messages	No Messages
68	COMB4	0.	No Messages	No Messages
69	COMB4	0.	No Messages	No Messages
70	COMB1	0.77548	No Messages	No Messages
71	COMB4	0.	No Messages	No Messages
72	COMB4	1.03646	No Messages	No Messages
73	COMB4	1.03646	No Messages	No Messages
74	COMB4	2.11814	No Messages	No Messages
75	COMB4	3.39	No Messages	No Messages
76	COMB4	6.84	No Messages	No Messages
77	COMB6	0.	No Messages	No Messages
78	COMB4	0.	No Messages	No Messages
79	COMB4	0.77548	No Messages	No Messages
80	COMB4	0.80656	No Messages	No Messages
81	COMB4	1.03646	No Messages	No Messages
82	COMB4	1.03646	No Messages	No Messages
83	COMB4	2.11814	No Messages	No Messages

Table: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2				
Frame	**Combo**	**Location**	**ErrMsg**	**WarnMsg**
		m		
84	COMB4	3.39	No Messages	No Messages

CUBIERTA METALICA

EVALUACION DE DEFORMACIONES





Luz Libre 6.84 m
Deformacion Admisible
1.43 cm CUMPLE
Deforamcion cercha
0.30 cm

Arquimet

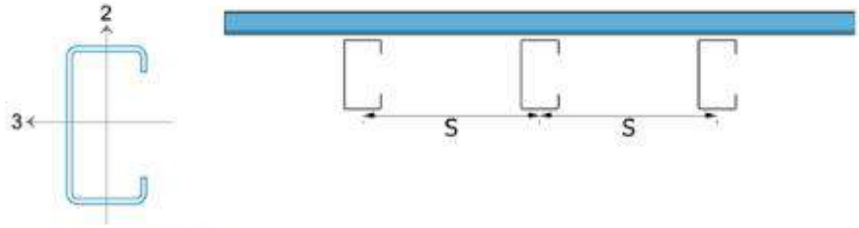
Proyecto: ALCALDIA BARRIOS UNIDOS
Uso: CUBIERTA
Localización: CRUJIA 1 - CERCHA CHM1 A CHM8
Fecha de impresión: 12-05-2022

GAL ingenieros

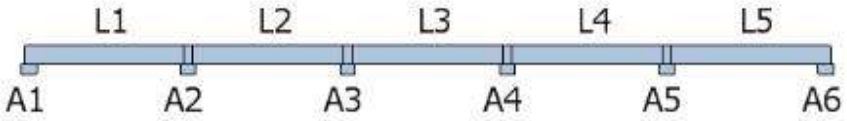
REPORTE TÉCNICO PARA CORREAS

PHR C 120x60x15-1.5mm, Fy = 345 MPa
Separación (S) 1.00 m
REGLAMENTO NSR-10 / AISI S100-12

CUMPLE	OBSERVACIONES
✓	Sin Observaciones



SECCIÓN LONGITUDINAL



En el diseño se consideran apoyos sin continuidad
Las solicitaciones se calculan al borde del apoyo

VISTA EN PLANTA

CONFIGURACIÓN Y PESO POR CORREA

Vano	Arriostramiento del vano	Espesor del perfil (m)	Longitud vano (m)	Longitud correa (m)	Peso propio (kgf/m)	Total (kgf)
1	L	1.50E-03	2.24	2.24	3.06	6.85
2	L	1.50E-03	2.18	2.18	3.06	6.67
3	L	1.50E-03	2.18	2.18	3.06	6.67
4	L	1.50E-03	2.18	2.18	3.06	6.67
5	L	1.50E-03	2.18	2.18	3.06	6.67
						33.54

APOYOS

A1	0.10(m)
A2	0.10(m)
A3	0.10(m)
A4	0.10(m)
A5	0.10(m)
A6	0.10(m)

GEOMETRÍA

Pendiente en %	32.49%
Pendiente en Grados	18.00°
Separación - S (m)	1.00
Sujeción de cubierta	Sin sujeción

CARGAS DISTRIBUIDAS UNIFORMES

Caso de carga	Carga muerta sobreimpuesta	Carga viva de cubierta	Carga de granizo	Carga de viento a succión	Carga de viento a compresión
Dirección	Gravedad	Gravedad	Gravedad	Eje 2-2 (+)	Eje 2-2 (-)
Magnitud (kgf/m2)	90.00	50.00	50.00	0.00	69.36

PARÁMETROS DE DISEÑO

Consideración de cubierta como panel rígido*	NO
Consideración de arrugamiento del alma	NO
Deflexión debido a carga viva de cubierta (L/??)	240.00

DISEÑO DE LAS CORREAS

Solicitación	Resistente	Calculada/Requerida	Luz/apoyo	Cumplimiento
Envolvente a flexión	1.00	0.57	1	✓
Envolvente a cortante	1.00	0.12	1	✓
Envolvente a flexión y cortante	1.00	0.41	1	✓
Deflexión (m)	9.3333E-03	8.5795E-04	1	✓

Arquimet

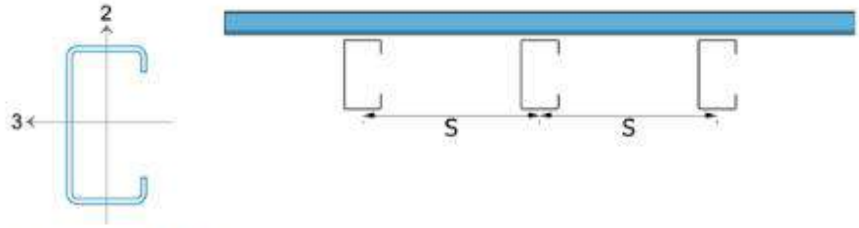
Proyecto: ALCALDIA BARRIOS UNIDOS
Uso: CUBIERTA
Localización: CRUJIA 1 - CERCHA CHM1 A CHM8
Fecha de impresión: 12-05-2022

GAL ingenieros

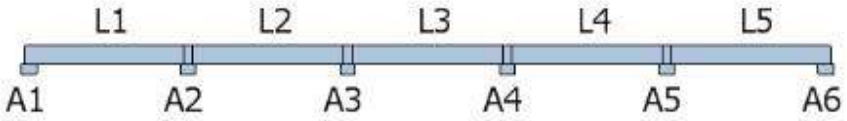
REPORTE TÉCNICO PARA CORREAS

PHR C 120x60x15-2mm, Fy = 345 MPa
Separación (S) 1.00 m
REGLAMENTO NSR-10 / AISI S100-12

CUMPLE	OBSERVACIONES
✓	Sin Observaciones



SECCIÓN LONGITUDINAL



En el diseño se consideran apoyos sin continuidad
Las solicitaciones se calculan al borde del apoyo

VISTA EN PLANTA

CONFIGURACIÓN Y PESO POR CORREA

Vano	Arriostramiento del vano	Espesor del perfil (m)	Longitud vano (m)	Longitud correa (m)	Peso propio (kgf/m)	Total (kgf)
1	L	2.00E-03	2.24	2.24	4.08	9.14
2	L	2.00E-03	2.18	2.18	4.08	8.89
3	L	2.00E-03	2.18	2.18	4.08	8.89
4	L	2.00E-03	2.18	2.18	4.08	8.89
5	L	2.00E-03	2.18	2.18	4.08	8.89
						44.72

APOYOS

A1	0.10(m)
A2	0.10(m)
A3	0.10(m)
A4	0.10(m)
A5	0.10(m)
A6	0.10(m)

GEOMETRÍA

Pendiente en %	32.49%
Pendiente en Grados	18.00°
Separación - S (m)	1.00
Sujeción de cubierta	Sin sujeción

CARGAS DISTRIBUIDAS UNIFORMES

Caso de carga	Carga muerta sobreimpuesta	Carga viva de cubierta	Carga de granizo	Carga de viento a succión	Carga de viento a compresión
Dirección	Gravedad	Gravedad	Gravedad	Eje 2-2 (+)	Eje 2-2 (-)
Magnitud (kgf/m2)	90.00	50.00	50.00	0.00	69.36

PARÁMETROS DE DISEÑO

Consideración de cubierta como panel rígido*	NO
Consideración de arrugamiento del alma	NO
Deflexión debido a carga viva de cubierta (L/??)	240.00

DISEÑO DE LAS CORREAS

Solicitación	Resistente	Calculada/Requerida	Luz/apoyo	Cumplimiento
Envolvente a flexión	1.00	0.40	1	✓
Envolvente a cortante	1.00	0.07	1	✓
Envolvente a flexión y cortante	1.00	0.30	1	✓
Deflexión (m)	9.3333E-03	6.5656E-04	1	✓

Arquimet

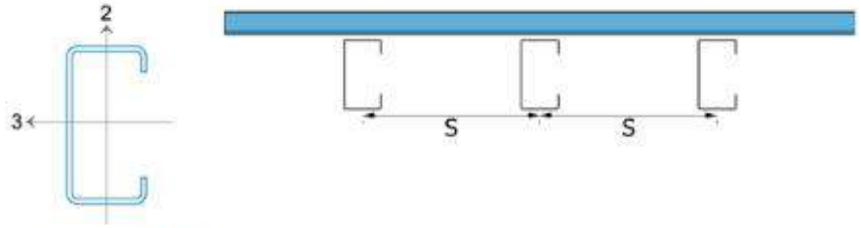
Proyecto: ALCALDIA BARRIOS UNIDOS
Uso: CUBIERTA
Localización: CRUJIA 1 - CERCHA CHM1 A CHM8
Fecha de impresión: 12-05-2022

GAL ingenieros

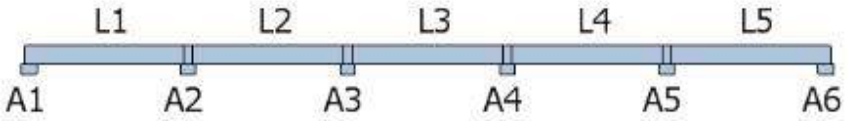
REPORTE TÉCNICO PARA CORREAS

PHR C 120x60x15-2.5mm, Fy = 345 MPa
Separación (S) 1.00 m
REGLAMENTO NSR-10 / AISI S100-12

CUMPLE	OBSERVACIONES
✓	Sin Observaciones



SECCIÓN LONGITUDINAL



En el diseño se consideran apoyos sin continuidad
Las solicitaciones se calculan al borde del apoyo

VISTA EN PLANTA

CONFIGURACIÓN Y PESO POR CORREA

Vano	Arriostramiento del vano	Espesor del perfil (m)	Longitud vano (m)	Longitud correa (m)	Peso propio (kgf/m)	Total (kgf)
1	L	2.50E-03	2.24	2.24	5.10	11.42
2	L	2.50E-03	2.18	2.18	5.10	11.12
3	L	2.50E-03	2.18	2.18	5.10	11.12
4	L	2.50E-03	2.18	2.18	5.10	11.12
5	L	2.50E-03	2.18	2.18	5.10	11.12
						55.90

APOYOS

A1	0.10(m)
A2	0.10(m)
A3	0.10(m)
A4	0.10(m)
A5	0.10(m)
A6	0.10(m)

GEOMETRÍA

Pendiente en %	32.49%
Pendiente en Grados	18.00°
Separación - S (m)	1.00
Sujeción de cubierta	Sin sujeción

CARGAS DISTRIBUIDAS UNIFORMES

Caso de carga	Carga muerta sobreimpuesta	Carga viva de cubierta	Carga de granizo	Carga de viento a succión	Carga de viento a compresión
Dirección	Gravedad	Gravedad	Gravedad	Eje 2-2 (+)	Eje 2-2 (-)
Magnitud (kgf/m2)	90.00	50.00	50.00	0.00	69.36

PARÁMETROS DE DISEÑO

Consideración de cubierta como panel rígido*	NO
Consideración de arrugamiento del alma	NO
Deflexión debido a carga viva de cubierta (L/??)	240.00

DISEÑO DE LAS CORREAS

Solicitación	Resistente	Calculada/Requerida	Luz/apoyo	Cumplimiento
Envolvente a flexión	1.00	0.32	1	✓
Envolvente a cortante	1.00	0.06	1	✓
Envolvente a flexión y cortante	1.00	0.24	1	✓
Deflexión (m)	9.3333E-03	5.3605E-04	1	✓

Arquimet

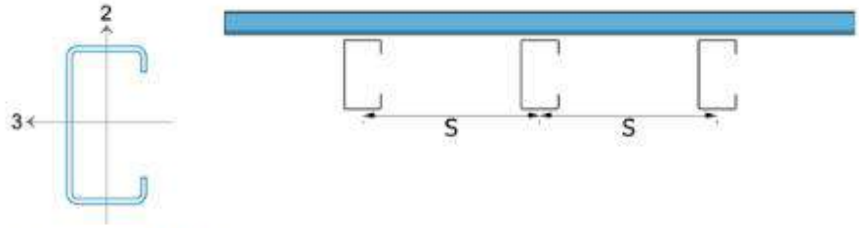
Proyecto: ALCALDIA BARRIOS UNIDOS
Uso: CUBIERTA
Localización: CRUJIA 1 - CERCHA CHM1 A CHM8
Fecha de impresión: 12-05-2022

GAL ingenieros

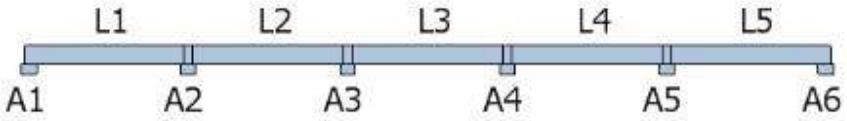
REPORTE TÉCNICO PARA CORREAS

PHR C 120x60x15-3mm, Fy = 345 MPa
Separación (S) 1.00 m
REGLAMENTO NSR-10 / AISI S100-12

CUMPLE	OBSERVACIONES
✓	Sin Observaciones



SECCIÓN LONGITUDINAL



En el diseño se consideran apoyos sin continuidad
Las solicitaciones se calculan al borde del apoyo

VISTA EN PLANTA

CONFIGURACIÓN Y PESO POR CORREA

Vano	Arriostramiento del vano	Espesor del perfil (m)	Longitud vano (m)	Longitud correa (m)	Peso propio (kgf/m)	Total (kgf)
1	L	3.00E-03	2.24	2.24	6.12	13.71
2	L	3.00E-03	2.18	2.18	6.12	13.34
3	L	3.00E-03	2.18	2.18	6.12	13.34
4	L	3.00E-03	2.18	2.18	6.12	13.34
5	L	3.00E-03	2.18	2.18	6.12	13.34
						67.08

APOYOS

A1	0.10(m)
A2	0.10(m)
A3	0.10(m)
A4	0.10(m)
A5	0.10(m)
A6	0.10(m)

GEOMETRÍA

Pendiente en %	32.49%
Pendiente en Grados	18.00°
Separación - S (m)	1.00
Sujeción de cubierta	Sin sujeción

CARGAS DISTRIBUIDAS UNIFORMES

Caso de carga	Carga muerta sobreimpuesta	Carga viva de cubierta	Carga de granizo	Carga de viento a succión	Carga de viento a compresión
Dirección	Gravedad	Gravedad	Gravedad	Eje 2-2 (+)	Eje 2-2 (-)
Magnitud (kgf/m2)	90.00	50.00	50.00	0.00	69.36

PARÁMETROS DE DISEÑO

Consideración de cubierta como panel rígido*	NO
Consideración de arrugamiento del alma	NO
Deflexión debido a carga viva de cubierta (L/??)	240.00

DISEÑO DE LAS CORREAS

Solicitación	Resistente	Calculada/Requerida	Luz/apoyo	Cumplimiento
Envolvente a flexión	1.00	0.27	1	✓
Envolvente a cortante	1.00	0.05	1	✓
Envolvente a flexión y cortante	1.00	0.20	1	✓
Deflexión (m)	9.3333E-03	4.5598E-04	1	✓

5.13 REVISION ELEMENTOS DE CIMENTACION

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

ZAPATA: Z1 **CANTIDAD:** 2

	GRAVIT.		GRAVIT.+SISMO
Carga de la Columna:	4.97 T		4.55 T
Momento Mxs:	0.00 T.m		0.00 T.m
Momento Mys:	0.00 T.m		0.00 T.m
Presión Admisible ($\sigma_{Adm.}$):	6.00 T/m^2		12.00 T/m^2
Porcentaje de Peso de Cimentación:	12 %		12 %
Excentricidad en x:	0.00 m	OK	0.00 OK
Excentricidad en y:	0.00 m	OK	0.00 OK
Área de Cimentación:	0.93 m^2		0.42 m^2
Lado Aprox. de la Zapata:	0.96 m		0.65 m

Materiales

Concreto: 210 Kg/cm^2
Acero: 4200 Kg/cm^2

	L (m)		B (m)
Dimensión de la Zapata:	1.00	x	1.00
Dimensión de la Columna:	0.20	x	0.60
Acartelamiento:	0.00	m	
Altura de la Zapata:	0.40	m	
Factor de Mayoración:	1.5		

$$\sigma = \frac{P}{A} \pm \frac{6M_x}{AB} \pm \frac{6M_y}{AL}$$



Condición	1	2	3	4
q_s (T/m^2)	3.11	3.11	3.11	3.11
q_u (T/m^2)	4.66	4.66	4.66	4.66

REVISIÓN DE ESFUERZOS.

Según Estudio de Suelos:

Presión Admisible:		6.00 T/m^2	
Presión Neta:	qs_{ts}=	3.11 T/m^2	
Flexión:	Lv=	0.4 m	
	M =	0.40 T/m	
	Mu =	0.60 T.m	
	h =	40 cm	Recubrimiento= 7.5 cm
	d =	33 cm	
	Cuantía=	0.0001	(Análisis)
	As=	0.49 cm^2	(Análisis)
	Cuantía=	0.0020	(Mínima sobre la sección bruta de concreto)
	As=	6.00 cm^2	(Mínima)

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

Armadura Principal **TOTAL:** As = 8.00 cm^2
en cada sentido 8.00 cm^2/m

REFUERZO A UTILIZAR

	#	m
	#3	0.09
X	#4	0.16
	#5	0.25
	#6	0.36
	#7	0.49
	#8	0.63

Se debe utilizar min. refuerzo #4 C/0.16

REVISIÓN DE CORTANTE:

Revisión a d/2:

	V (d/2) =	3.14	T	
	Vu =	4.71	T	
	d =	0.33	m	
	ϕ Vc =	92.67	T	OK
ó	ϕ Vc =	166.93	T	OK
ó	ϕ Vc =	126.22	T	OK

Revisión a d:

q_{ad} =	3.11	kN/m^2	
V (d)	0.37	T	
Vu	0.56	T	
d	0.33	m	
ϕ Vc	29.95	T	OK

Transmisión de Esfuerzos de la columna a la zapata:

Carga Producida:	7	T	
Carga Máxima:	371	T	OK

Longitud de Desarrollo necesaria (Refuerzo de la Columna):

Diámetros de las Varillas para utilizar:

# Var.	Ø (cm)
# 3	0.953
# 4	1.270
# 5	1.590
# 6	1.910
# 7	2.220
# 8	2.540

Varilla de las columnas

# 5	1.59 cm

L_{db} = 34.6 cm *No Cumple*

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

ZAPATA: Z2 **CANTIDAD:** 1

	GRAVIT.		GRAVIT.+SISMO
Carga de la Columna:	6.66 T		7.12 T
Momento Mxs:	0.00 T.m		0.00 T.m
Momento Mys:	0.00 T.m		0.00 T.m
Presión Admisible (σ_{Adm}):	6.00 T/m^2		12.00 T/m^2
Porcentaje de Peso de Cimentación:	12 %		12 %
Excentricidad en x:	0.00 m	OK	0.00 OK
Excentricidad en y:	0.00 m	OK	0.00 OK
Área de Cimentación:	1.66 m^2		0.66 m^2
Lado Aprox. de la Zapata:	1.29 m		0.81 m

Materiales

Concreto: 210 Kg/cm^2
Acero: 4200 Kg/cm^2

	L (m)		B (m)
Dimensión de la Zapata:	1.50	x	1.10
Dimensión de la Columna:	0.50	x	0.20
Acartelamiento:	0.00	m	
Altura de la Zapata:	0.40	m	
Factor de Mayoración:	1.5		

$$\sigma = \frac{P}{A} \pm \frac{6M_x}{AB} \pm \frac{6M_y}{AL}$$



Condición	1	2	3	4
q_s (T/m^2)	4.49	4.49	4.49	4.49
q_u (T/m^2)	6.73	6.73	6.73	6.73

REVISIÓN DE ESFUERZOS.

Según Estudio de Suelos:

Presión Admisible:		6.00 T/m^2	
Presión Neta:	qs_{ts}=	4.49 T/m^2	
Flexión:	Lv=	0.5 m	
	M =	1.01 T/m	
	Mu =	1.51 T.m	
	h =	40 cm	Recubrimiento= 7.5 cm
	d =	33 cm	
	Cuantía=	0.0002	(Análisis)
	As=	1.24 cm^2	(Análisis)
	Cuantía=	0.0020	(Mínima sobre la sección bruta de concreto)
	As=	14.40 cm^2	(Mínima)

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

Armadura Principal **TOTAL:** As = 14.40 cm^2
en cada sentido 8.00 cm^2/m

REFUERZO A UTILIZAR

	#	m
	#3	0.09
	#4	0.16
x	#5	0.25
	#6	0.36
	#7	0.49
	#8	0.63

Se debe utilizar mín. refuerzo #5 C/0.25

REVISIÓN DE CORTANTE:

Revisión a d/2:

	V (d/2) =	6.23	T	
	Vu =	9.35	T	
	d =	0.33	m	
	ϕ Vc =	556.02	T	OK
ó	ϕ Vc =	166.93	T	OK
ó	ϕ Vc =	126.22	T	OK

Revisión a d:

q_{ad} =	4.49	kN/m^2	
V (d)	0.86	T	
Vu	1.30	T	
d	0.33	m	
ϕ Vc	20.59	T	OK

Transmisión de Esfuerzos de la columna a la zapata:

Carga Producida:	13	T	
Carga Máxima:	371	T	OK

Longitud de Desarrollo necesaria (Refuerzo de la Columna):

Diámetros de las Varillas para utilizar:

# Var.	Ø (cm)
# 3	0.953
# 4	1.270
# 5	1.590
# 6	1.910
# 7	2.220
# 8	2.540

Varilla de las columnas

# 5	1.59 cm

L_{dh} = 34.6 cm *No Cumple*

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

ZAPATA: Z3 **CANTIDAD:** 1

	GRAVIT.		GRAVIT.+SISMO
Carga de la Columna:	6.06 T		5.67 T
Momento Mxs:	0.00 T.m		0.00 T.m
Momento Mys:	0.00 T.m		0.00 T.m
Presión Admisible (σ_{Adm}):	6.00 T/m^2		12.00 T/m^2
Porcentaje de Peso de Cimentación:	12 %		12 %
Excentricidad en x:	0.00 m	OK	0.00 OK
Excentricidad en y:	0.00 m	OK	0.00 OK
Área de Cimentación:	1.13 m^2		0.53 m^2
Lado Aprox. de la Zapata:	1.06 m		0.73 m

Materiales

Concreto: 210 Kg/cm^2
Acero: 4200 Kg/cm^2

	L (m)		B (m)
Dimensión de la Zapata:	1.25	x	0.75
Dimensión de la Columna:	0.20	x	0.60
Acartelamiento:	0.00	m	
Altura de la Zapata:	0.40	m	
Factor de Mayoración:	1.5		

$$\sigma = \frac{P}{A} \pm \frac{6M_x}{AB} \pm \frac{6M_y}{AL}$$

Condición	1	2	3	4
q_s (T/m^2)	6.46	6.46	6.46	6.46
q_u (T/m^2)	9.69	9.69	9.69	9.69



REVISIÓN DE ESFUERZOS.

Según Estudio de Suelos:

Presión Admisible:		6.00 T/m^2	
Presión Neta:	qs_{ts}=	6.46 T/m^2	
Flexión:	Lv=	0.525 m	
	M =	1.11 T/m	
	Mu =	1.67 T.m	
	h =	40 cm	Recubrimiento= 7.5 cm
	d =	33 cm	
	Cuantía=	0.0003	(Análisis)
	As=	1.36 cm^2	(Análisis)
	Cuantía=	0.0020	(Mínima sobre la sección bruta de concreto)
	As=	10.00 cm^2	(Mínima)

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

Armadura Principal **TOTAL:** As = 10.00 cm^2
en cada sentido 8.00 cm^2/m

REFUERZO A UTILIZAR

	#	m
	#3	0.09
X	#4	0.16
	#5	0.25
	#6	0.36
	#7	0.49
	#8	0.63

Se debe utilizar min. refuerzo #4 C/0.16

REVISIÓN DE CORTANTE:

Revisión a d/2:

	V (d/2) =	2.24	T	
	Vu =	3.36	T	
	d =	0.33	m	
	ϕ Vc =	92.67	T	OK
ó	ϕ Vc =	166.93	T	OK
ó	ϕ Vc =	126.22	T	OK

Revisión a d:

q_{ad} =	6.46	kN/m^2	
V (d)	0.97	T	
Vu	1.45	T	
d	0.33	m	
ϕ Vc	14.04	T	OK

Transmisión de Esfuerzos de la columna a la zapata:

Carga Producida:	9	T	
Carga Máxima:	371	T	OK

Longitud de Desarrollo necesaria (Refuerzo de la Columna):

Diámetros de las Varillas para utilizar:

# Var.	Ø (cm)
# 3	0.953
# 4	1.270
# 5	1.590
# 6	1.910
# 7	2.220
# 8	2.540

Varilla de las columnas

# 5	1.59 cm

L_{db} = 34.6 cm *No Cumple*

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

ZAPATA: Z4 **CANTIDAD:** 1

	GRAVIT.		GRAVIT.+SISMO
Carga de la Columna:	6.56 T		6.60 T
Momento Mxs:	0.00 T.m		0.00 T.m
Momento Mys:	0.00 T.m		0.00 T.m
Presión Admisible (σ_{Adm}):	6.00 T/m^2		12.00 T/m^2
Porcentaje de Peso de Cimentación:	12 %		12 %
Excentricidad en x:	0.00 m	OK	0.00 OK
Excentricidad en y:	0.00 m	OK	0.00 OK
Área de Cimentación:	1.60 m^2		0.63 m^2
Lado Aprox. de la Zapata:	1.27 m		0.80 m

Materiales

Concreto: 210 Kg/cm^2
Acero: 4200 Kg/cm^2

	L (m)		B (m)
Dimensión de la Zapata:	1.40	x	0.65
Dimensión de la Columna:	0.60	x	0.20
Acartelamiento:	0.00	m	
Altura de la Zapata:	0.40	m	
Factor de Mayoración:	1.5		

$$\sigma = \frac{P}{A} \pm \frac{6M_x}{AB} \pm \frac{6M_y}{AL}$$



Condición	1	2	3	4
q_s (T/m^2)	7.21	7.21	7.21	7.21
q_u (T/m^2)	10.82	10.82	10.82	10.82

REVISIÓN DE ESFUERZOS.

Según Estudio de Suelos:

Presión Admisible:		6.00 T/m^2	
Presión Neta:	qs_{lx}=	7.21 T/m^2	
Flexión:	Lv=	0.325 m	
	M =	0.45 T/m	
	Mu =	0.68 T.m	
	h =	40 cm	Recubrimiento= 7.5 cm
	d =	33 cm	
	Cuantía=	0.0001	(Análisis)
	As=	0.56 cm^2	(Análisis)
	Cuantía=	0.0020	(Mínima sobre la sección bruta de concreto)
	As=	11.20 cm^2	(Mínima)

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

Armadura Principal **TOTAL:** As = 11.20 cm^2
en cada sentido 8.00 cm^2/m

REFUERZO A UTILIZAR

	#	m
	#3	0.09
X	#4	0.16
	#5	0.25
	#6	0.36
	#7	0.49
	#8	0.63

Se debe utilizar mín. refuerzo #4 C/0.16

REVISIÓN DE CORTANTE:

Revisión a d/2:

	V (d/2) =	4.32	T	
	Vu =	6.48	T	
	d =	0.33	m	
	ϕ Vc =	556.02	T	OK
ó	ϕ Vc =	166.93	T	OK
ó	ϕ Vc =	126.22	T	OK

Revisión a d:

q_{ad} =	7.21	kN/m^2	
V (d)	-0.15	T	
Vu	-0.23	T	
d	0.33	m	
ϕ Vc	15.91	T	OK

Transmisión de Esfuerzos de la columna a la zapata:

Carga Producida:	13	T	
Carga Máxima:	371	T	OK

Longitud de Desarrollo necesaria (Refuerzo de la Columna):

Diámetros de las Varillas para utilizar:

# Var.	Ø (cm)
# 3	0.953
# 4	1.270
# 5	1.590
# 6	1.910
# 7	2.220
# 8	2.540

Varilla de las columnas

# 5	1.59 cm

L_{dh} = 34.6 cm *No Cumple*

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

ZAPATA: Z5 **CANTIDAD:** 1

	GRAVIT.		GRAVIT.+SISMO
Carga de la Columna:	2.72 T		2.75 T
Momento Mxs:	0.00 T.m		0.00 T.m
Momento Mys:	0.00 T.m		0.00 T.m
Presión Admisible (σ_{Adm}):	6.00 T/m^2		12.00 T/m^2
Porcentaje de Peso de Cimentación:	12 %		12 %
Excentricidad en x:	0.00 m	OK	0.00 OK
Excentricidad en y:	0.00 m	OK	0.00 OK
Área de Cimentación:	0.51 m^2		0.26 m^2
Lado Aprox. de la Zapata:	0.71 m		0.51 m

Materiales

Concreto: 210 Kg/cm^2
Acero: 4200 Kg/cm^2

	L (m)		B (m)
Dimensión de la Zapata:	0.65	x	1.40
Dimensión de la Columna:	0.20	x	0.60
Acartelamiento:	0.00	m	
Altura de la Zapata:	0.40	m	
Factor de Mayoración:	1.5		

$$\sigma = \frac{P}{A} \pm \frac{6M_x}{AB} \pm \frac{6M_y}{AL}$$



Condición	1	2	3	4
q_s (T/m^2)	2.29	2.29	2.29	2.29
q_u (T/m^2)	3.43	3.43	3.43	3.43

REVISIÓN DE ESFUERZOS.

Según Estudio de Suelos:

Presión Admisible:		6.00 T/m^2	
Presión Neta:	qs_{ts}=	2.29 T/m^2	
Flexión:	Lv=	0.325 m	
	M =	0.14 T/m	
	Mu =	0.22 T.m	
	h =	40 cm	Recubrimiento= 7.5 cm
	d =	33 cm	
	Cuantía=	0.0001	(Análisis)
	As=	0.15 cm^2	(Análisis)
	Cuantía=	0.0020	(Mínima sobre la sección bruta de concreto)
	As=	6.60 cm^2	(Mínima)

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

Armadura Principal **TOTAL:** As = 6.80 cm^2
en cada sentido 8.00 cm^2/m

REFUERZO A UTILIZAR

	#	m
	#3	0.09
X	#4	0.16
	#5	0.25
	#6	0.36
	#7	0.49
	#8	0.63

Se debe utilizar mín. refuerzo #4 C/0.16

REVISIÓN DE CORTANTE:

Revisión a d/2:

	V (d/2) =	1.37	T	
	Vu =	2.06	T	
	d =	0.33	m	
	ϕ Vc =	92.67	T	OK
ó	ϕ Vc =	166.93	T	OK
ó	ϕ Vc =	126.22	T	OK

Revisión a d:

q_{ad} =	2.29	kN/m^2	
V (d)	0.00	T	
Vu	0.00	T	
d	0.33	m	
ϕ Vc	26.21	T	OK

Transmisión de Esfuerzos de la columna a la zapata:

Carga Producida:	4	T	
Carga Máxima:	371	T	OK

Longitud de Desarrollo necesaria (Refuerzo de la Columna):

Diámetros de las Varillas para utilizar:

# Var.	Ø (cm)
# 3	0.953
# 4	1.270
# 5	1.590
# 6	1.910
# 7	2.220
# 8	2.540

Varilla de las columnas: # 5 — 1.59 cm

L_{dh} = 34.6 cm *No Cumple*

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
	INGENIERO: IVAN MAURICIO GUEVARA	No. Proy.: P-22-696

ZAPATA: Z6 **CANTIDAD:** 6

	GRAVIT.		GRAVIT.+SISMO
Carga de la Columna:	1.90 T		1.90 T
Momento Mxs:	0.00 T.m		0.00 T.m
Momento Mys:	0.00 T.m		0.00 T.m
Presión Admisible (σ_{Adm}):	6.00 T/m^2		12.00 T/m^2
Porcentaje de Peso de Cimentación:	12 %		12 %
Excentricidad en x:	0.00 m	OK	0.00 OK
Excentricidad en y:	0.00 m	OK	0.00 OK
Área de Cimentación:	0.35 m^2		0.18 m^2
Lado Aprox. de la Zapata:	0.60 m		0.42 m

Materiales

Concreto: 210 Kg/cm^2
Acero: 4200 Kg/cm^2

	L (m)		B (m)
Dimensión de la Zapata:	0.90	x	0.90
Dimensión de la Columna:	0.20	x	0.40
Acartelamiento:	0.00	m	
Altura de la Zapata:	0.40	m	
Factor de Mayoración:	1.5		

$$\sigma = \frac{P}{A} \pm \frac{6M_x}{AB} \pm \frac{6M_y}{AL}$$

Condición	1	2	3	4
q_s (T/m^2)	2.35	2.35	2.35	2.35
q_u (T/m^2)	3.52	3.52	3.52	3.52



REVISIÓN DE ESFUERZOS.

Según Estudio de Suelos:

Presión Admisible:		6.00 T/m^2	
Presión Neta:	qs_{lx}=	2.35 T/m^2	
Flexión:	Lv=	0.35 m	
	M =	0.13 T/m	
	Mu =	0.19 T.m	
	h =	40 cm	Recubrimiento= 7.5 cm
	d =	33 cm	
	Cuantía=	0.0001	(Análisis)
	As=	0.16 cm^2	(Análisis)
	Cuantía=	0.0020	(Mínima sobre la sección bruta de concreto)
	As=	7.20 cm^2	(Mínima)

	PROYECTO:	FECHA:
	ALCALDIA BARRIOS UNIDOS - BLOQUE DE PÓRTICOS	13/05/2022
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Armadura Principal **TOTAL:** As = 7.20 cm^2
en cada sentido 8.00 cm^2/m

REFUERZO A UTILIZAR

	#	m
	#3	0.09
X	#4	0.16
	#5	0.25
	#6	0.36
	#7	0.49
	#8	0.63

Se debe utilizar min. refuerzo #4 C/0.16

REVISIÓN DE CORTANTE:

Revisión a d/2:

	V (d/2) =	1.01	T	
	Vu =	1.51	T	
	d =	0.33	m	
	ϕ Vc =	93.61	T	OK
ó	ϕ Vc =	171.67	T	OK
ó	ϕ Vc =	97.14	T	OK

Revisión a d:

q_{ad} =	2.35	kN/m^2	
V (d)	0.05	T	
Vu	0.08	T	
d	0.33	m	
ϕ Vc	16.85	T	OK

Transmisión de Esfuerzos de la columna a la zapata:

Carga Producida:	3	T	
Carga Máxima:	166	T	OK

Longitud de Desarrollo necesaria (Refuerzo de la Columna):

Diámetros de las Varillas para utilizar:

# Var.	Ø (cm)
# 3	0.953
# 4	1.270
# 5	1.590
# 6	1.910
# 7	2.220
# 8	2.540

Varilla de las columnas

# 5	1.59 cm

L_{db} = 34.6 cm *No Cumple*

Nombre Principal	ALCALDIA DE BARRIOS UNIDOS
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Propietario	Diseño Arquitectónico
DC-CAD3 Licenciado a	Contenido
GUEVARA ALVAREZ INGENIEROS LTDA.	Memorias de Vigas
Norma	Código Nombre
NSR-10 DMO	

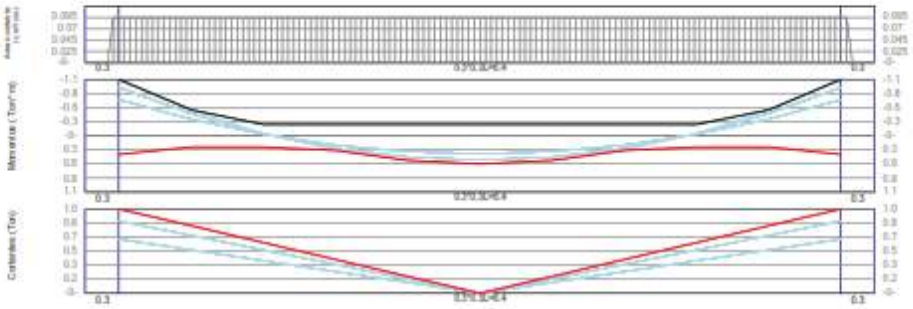
Combinaciones usadas en el grupo de diseño #1

Nº	Definición	Flexión	Cortante	Torsión
1	COMB1	SI	SI	SI
2	COMB2Max	SI	SI	SI
3	COMB2Min	SI	SI	SI
4	COMB3Max	SI	SI	SI
5	COMB3Min	SI	SI	SI
6	COMB4Max	SI	SI	SI
7	COMB4Min	SI	SI	SI
8	COMB5Max	SI	SI	SI
9	COMB5Min	SI	SI	SI
10	COMB6Max	SI	SI	SI
11	COMB6Min	SI	SI	SI
12	COMB7Max	SI	SI	SI
13	COMB7Min	SI	SI	SI
14	COMB8Max	SI	SI	SI
15	COMB8Min	SI	SI	SI
16	COMB9Max	SI	SI	SI
17	COMB9Min	SI	SI	SI
18	COMB10Max	SI	SI	SI
19	COMB10Min	SI	SI	SI
20	COMB11Max	SI	SI	SI
21	COMB11Min	SI	SI	SI
22	COMB12Max	SI	SI	SI
23	COMB12Min	SI	SI	SI
24	COMB13Max	SI	SI	SI
25	COMB13Min	SI	SI	SI
26	COMB14Max	SI	SI	SI
27	COMB14Min	SI	SI	SI
28	COMB15Max	SI	SI	SI
29	COMB15Min	SI	SI	SI
30	COMB16Max	SI	SI	SI
31	COMB16Min	SI	SI	SI
32	COMB17Max	SI	SI	SI
33	COMB17Min	SI	SI	SI
34	COMB18	SI	SI	SI
35	ENVVMax		SI	
36	ENVVMin		SI	

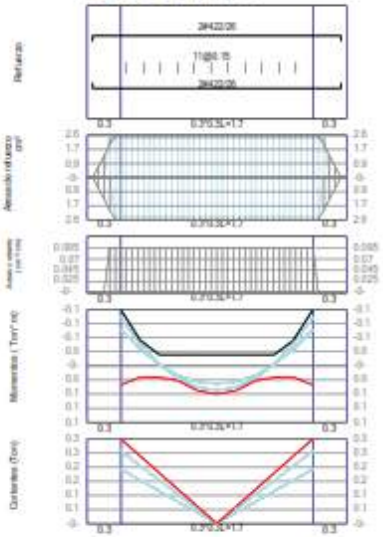
Eje VC-01 / Base



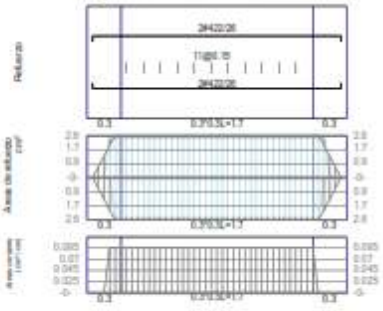
Nombre Principal	ALCALDIA DE BARRIOS UNIDOS
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DC-CAD3 Licenciado a	Contenido
GUEVARA ALVAREZ INGENIEROS LTDA.	Memorias de Vigas
Norma	Código Nombre
NSR-10 DMO	



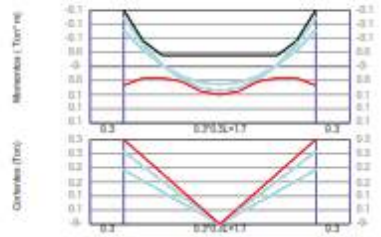
Eje VC-02 / Base



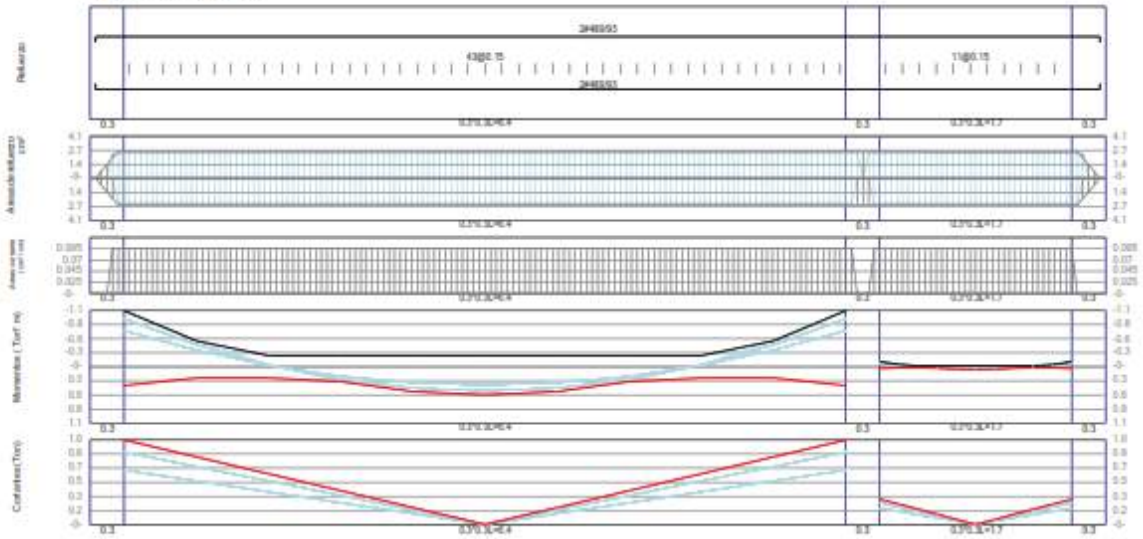
Eje VC-03 / Base



Nombre Principal	ALCALDIA DE BARRIOS UNIDOS
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GUEVARA ALVAREZ INGENIEROS LTDA.	Memorias de Vigas
Norma	Código Nombre
NSR-10 DMO	



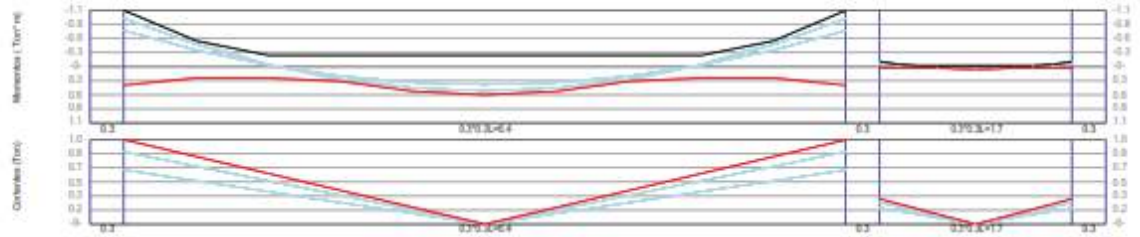
Eje VC-04 / Base



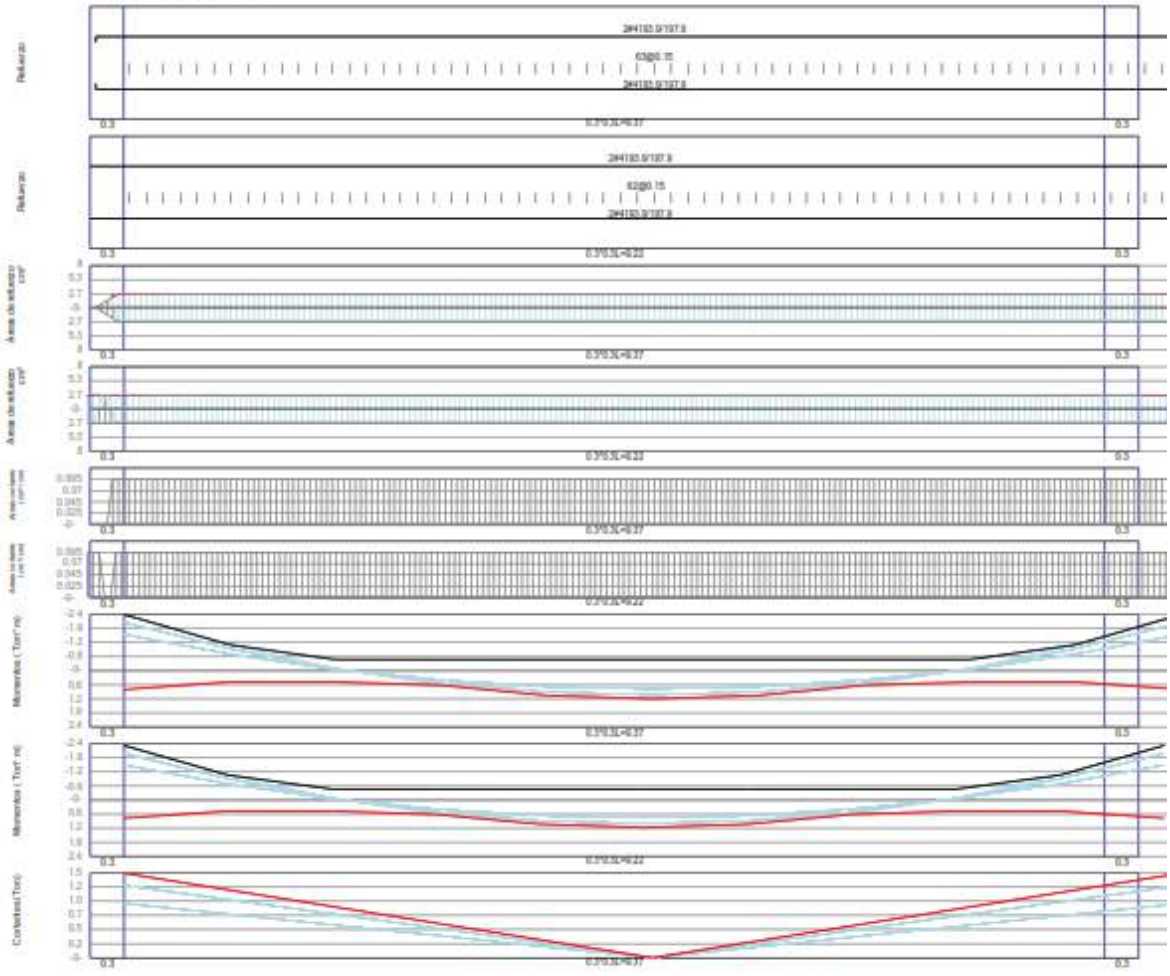
Eje VC-05 / Base



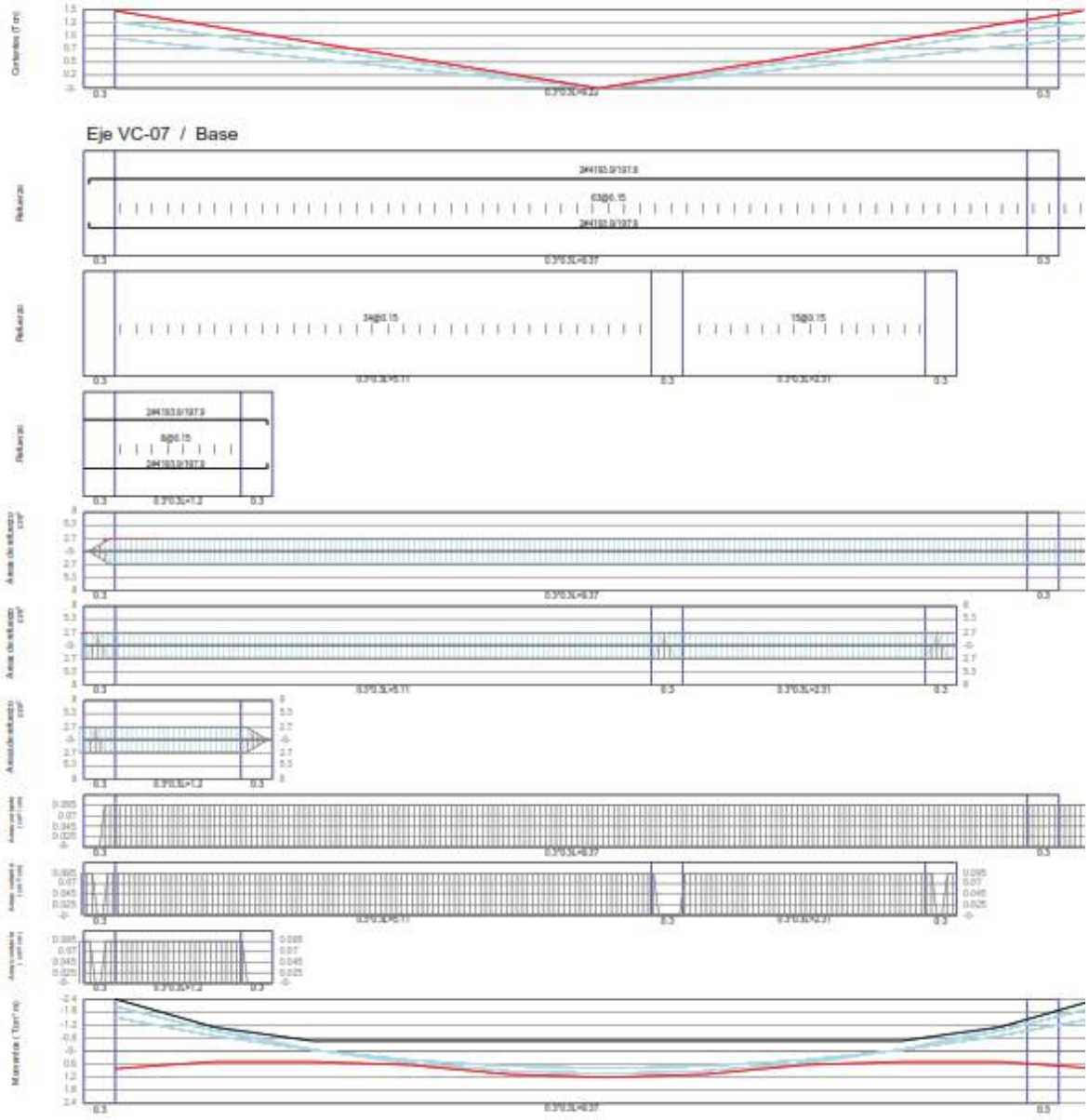
Nombre Principal	ALCALDIA DE BARRIOS UNIDOS
Nombre Auxiliar	Dirección
Propietario	Diseño Arquitectónico
DC-CAD3 Licenciado a	Contenido
GUEVARA ALVAREZ INGENIEROS LTDA.	Memorias de Vigas
Norma	Código Nombre
NSR-10 DMO	



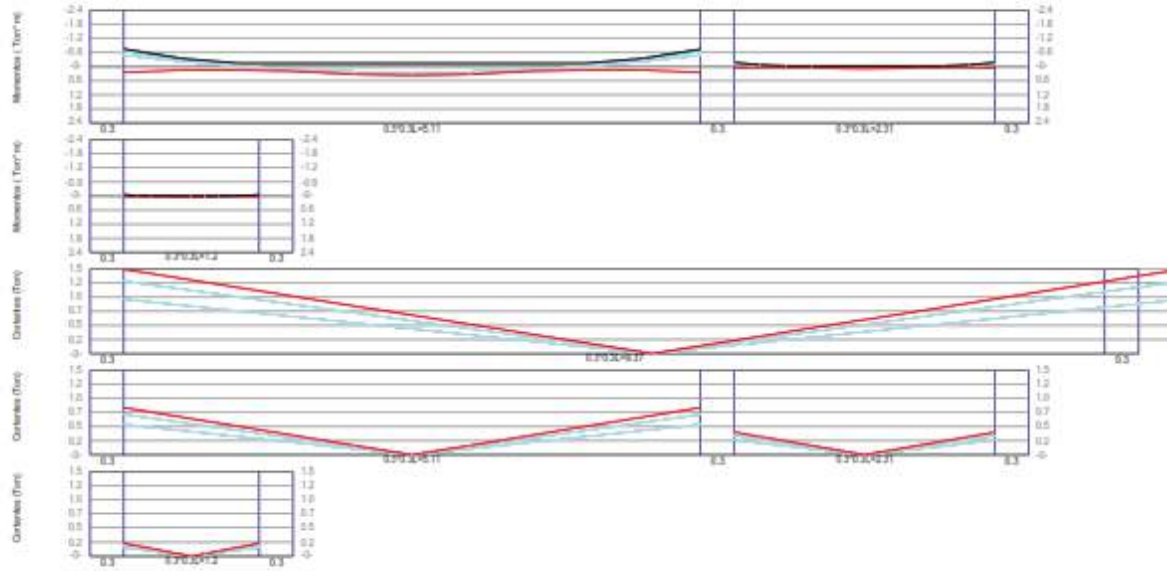
Eje VC-06 / Base



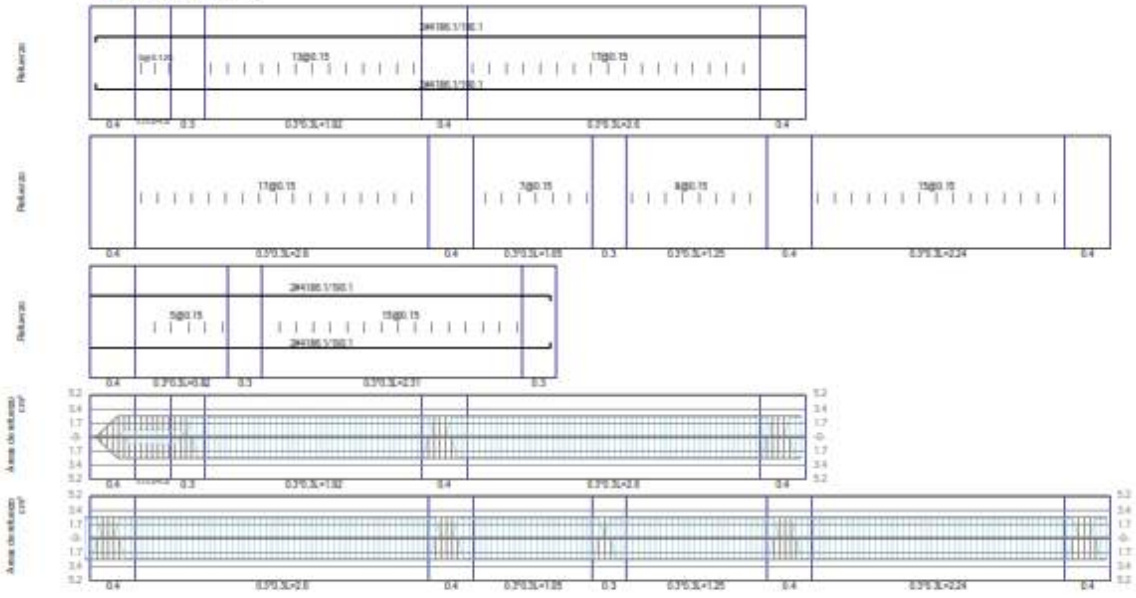
Nombre Principal	ALCALDIA DE BARRIOS UNIDOS
Nombre Auxiliar	Dirección
Propietario	Diseño Arquitectónico
DC-CAD3 Licenciado a	Contenido
GUEVARA ALVAREZ INGENIEROS LTDA.	Memorias de Vigas
Norma	Código Nombre
NSR-10 DMO	

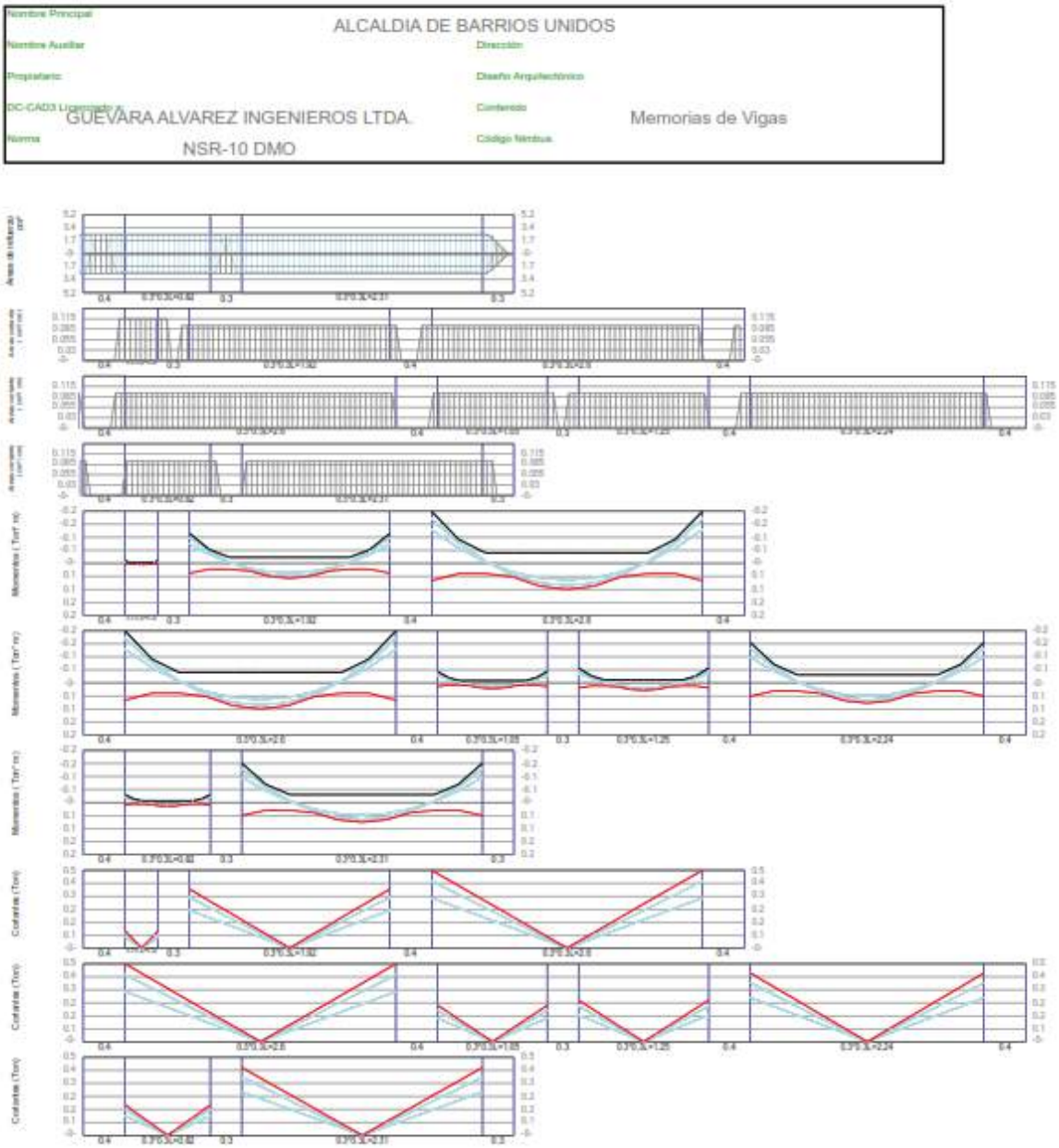


Nombre Principal	ALCALDIA DE BARRIOS UNIDOS
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GUEVARA ALVAREZ INGENIEROS LTDA.	Memorias de Vigas
Norma	Código Nombre
NSR-10 DMO	

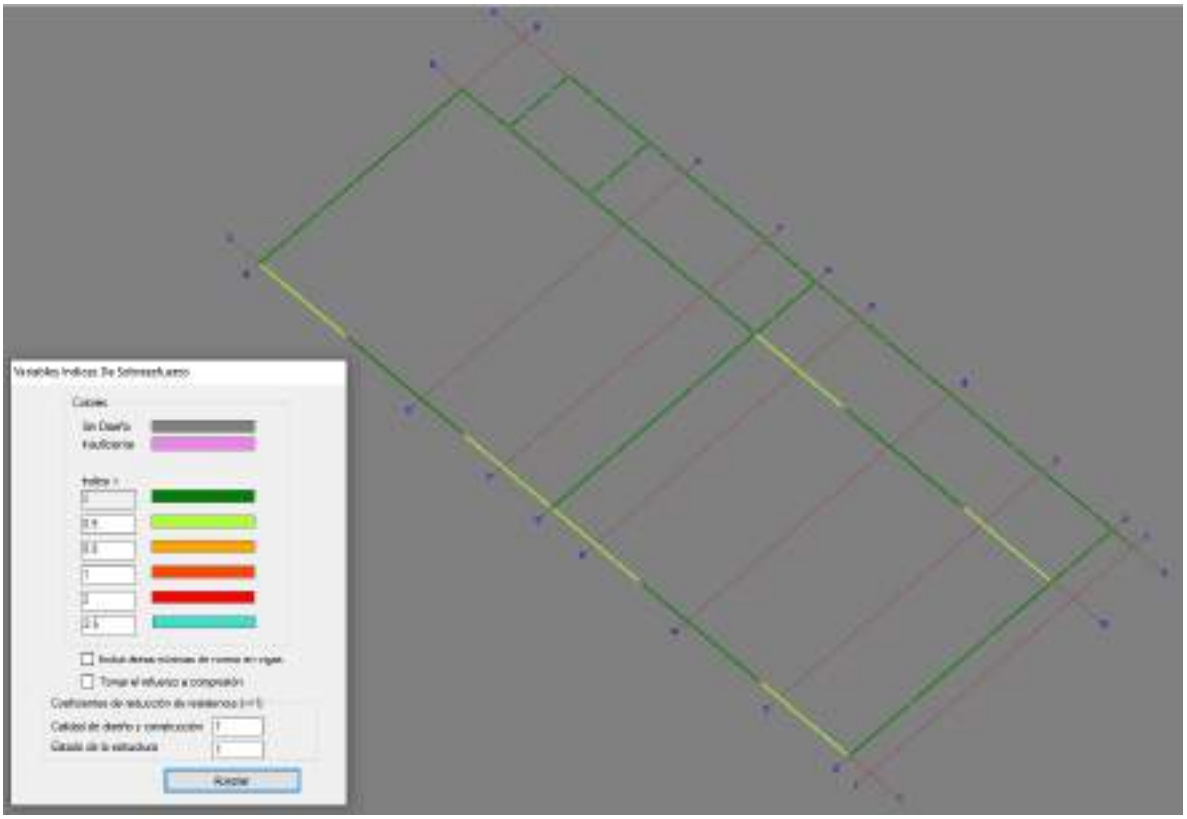


Eje VC-08 / Base





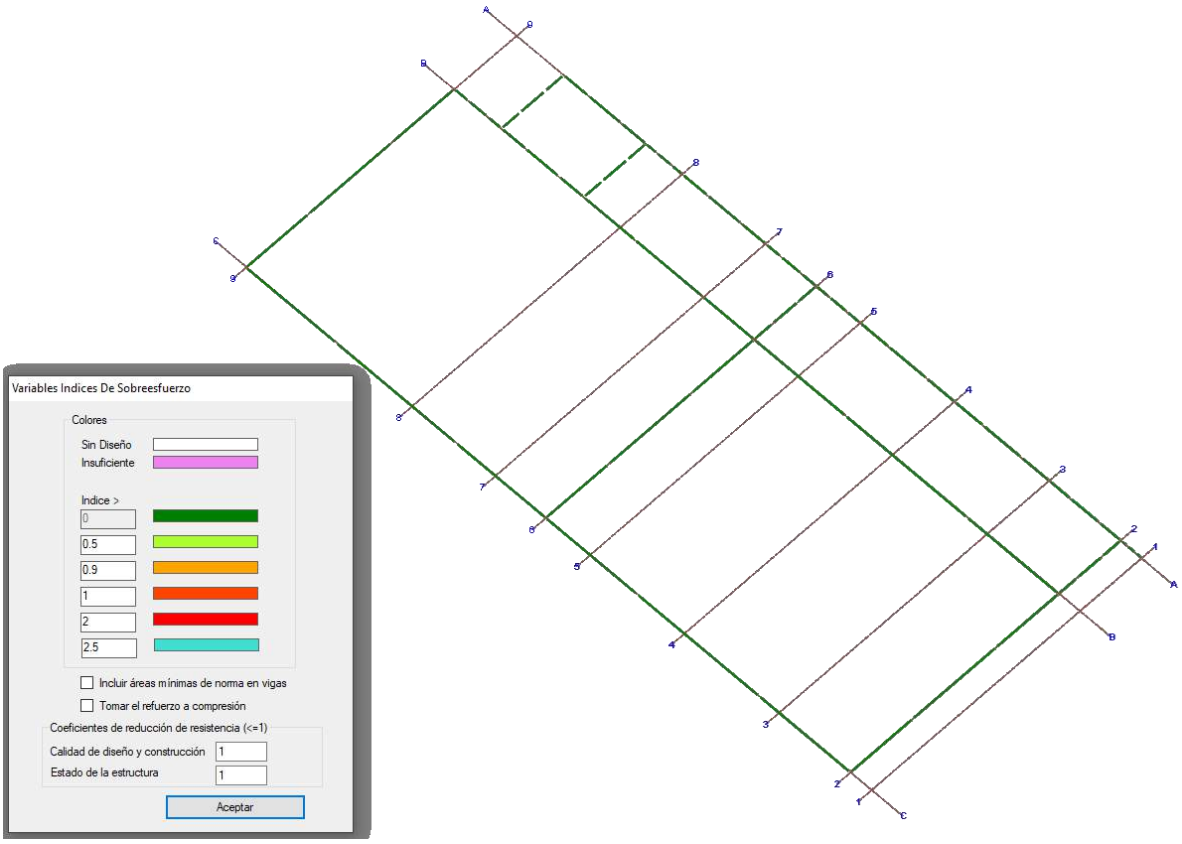
INDICES DE SOBRE-ESFUERZO VIGAS DE CIMENTACIÓN MOMENTOS NEGATIVOS



Viga	Vano	Posición	Indice	Suministrado
Eje VC-01 / Base	Vano 1	M Neg Nudo I	0.4260	2.654
Eje VC-01 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-01 / Base	Vano 1	M Neg Nudo J	0.4260	2.654
Eje VC-02 / Base	Vano 1	M Neg Nudo I	0.0380	2.654
Eje VC-02 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-02 / Base	Vano 1	M Neg Nudo J	0.0380	2.654
Eje VC-03 / Base	Vano 1	M Neg Nudo I	0.0380	2.654
Eje VC-03 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-03 / Base	Vano 1	M Neg Nudo J	0.0380	2.654
Eje VC-04 / Base	Vano 1	M Neg Nudo I	0.4260	2.654
Eje VC-04 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-04 / Base	Vano 1	M Neg Nudo J	0.4260	2.654
Eje VC-04 / Base	Vano 2	M Neg Nudo I	0.0380	2.654
Eje VC-04 / Base	Vano 2	M Neg centro	0.0000	2.654
Eje VC-04 / Base	Vano 2	M Neg Nudo J	0.0380	2.654
Eje VC-05 / Base	Vano 1	M Neg Nudo I	0.4260	2.654
Eje VC-05 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-05 / Base	Vano 1	M Neg Nudo J	0.4260	2.654
Eje VC-05 / Base	Vano 2	M Neg Nudo I	0.0380	2.654
Eje VC-05 / Base	Vano 2	M Neg centro	0.0000	2.654
Eje VC-05 / Base	Vano 2	M Neg Nudo J	0.0380	2.654
Eje VC-06 / Base	Vano 1	M Neg Nudo I	0.8880	2.654
Eje VC-06 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-06 / Base	Vano 1	M Neg Nudo J	0.8880	2.654
Eje VC-06 / Base	Vano 2	M Neg Nudo I	0.8600	2.654
Eje VC-06 / Base	Vano 2	M Neg centro	0.0000	2.654
Eje VC-06 / Base	Vano 2	M Neg Nudo J	0.8600	2.654
Eje VC-07 / Base	Vano 1	M Neg Nudo I	0.8880	2.654
Eje VC-07 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-07 / Base	Vano 1	M Neg Nudo J	0.8880	2.654
Eje VC-07 / Base	Vano 2	M Neg Nudo I	0.2780	2.654
Eje VC-07 / Base	Vano 2	M Neg centro	0.0000	2.654
Eje VC-07 / Base	Vano 2	M Neg Nudo J	0.2780	2.654
Eje VC-07 / Base	Vano 3	M Neg Nudo I	0.0650	2.654
Eje VC-07 / Base	Vano 3	M Neg centro	0.0000	2.654
Eje VC-07 / Base	Vano 3	M Neg Nudo J	0.0650	2.654
Eje VC-07 / Base	Vano 4	M Neg Nudo I	0.0210	2.654
Eje VC-07 / Base	Vano 4	M Neg centro	0.0000	2.654
Eje VC-07 / Base	Vano 4	M Neg Nudo J	0.0210	2.654
Eje VC-08 / Base	Vano 1	M Neg Nudo I	0.0040	2.654
Eje VC-08 / Base	Vano 1	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 1	M Neg Nudo J	0.0040	2.654
Eje VC-08 / Base	Vano 2	M Neg Nudo I	0.0490	2.654
Eje VC-08 / Base	Vano 2	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 2	M Neg Nudo J	0.0490	2.654

Eje VC-08 / Base	Vano 3	M Neg Nudo I	0.0850	2.654
Eje VC-08 / Base	Vano 3	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 3	M Neg Nudo J	0.0850	2.654
Eje VC-08 / Base	Vano 4	M Neg Nudo I	0.0850	2.654
Eje VC-08 / Base	Vano 4	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 4	M Neg Nudo J	0.0850	2.654
Eje VC-08 / Base	Vano 5	M Neg Nudo I	0.0190	2.654
Eje VC-08 / Base	Vano 5	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 5	M Neg Nudo J	0.0190	2.654
Eje VC-08 / Base	Vano 6	M Neg Nudo I	0.0240	2.654
Eje VC-08 / Base	Vano 6	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 6	M Neg Nudo J	0.0240	2.654
Eje VC-08 / Base	Vano 7	M Neg Nudo I	0.0660	2.654
Eje VC-08 / Base	Vano 7	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 7	M Neg Nudo J	0.0660	2.654
Eje VC-08 / Base	Vano 8	M Neg Nudo I	0.0130	2.654
Eje VC-08 / Base	Vano 8	M Neg centro	0.0000	2.654
Eje VC-08 / Base	Vano 8	M Neg Nudo J	0.0130	2.654
Eje VC-08 / Base	Vano 9	M Neg Nudo I	0.0650	2.654
Eje VC-08 / Base	Vano 9	M Neg centro	0.0000	2.654
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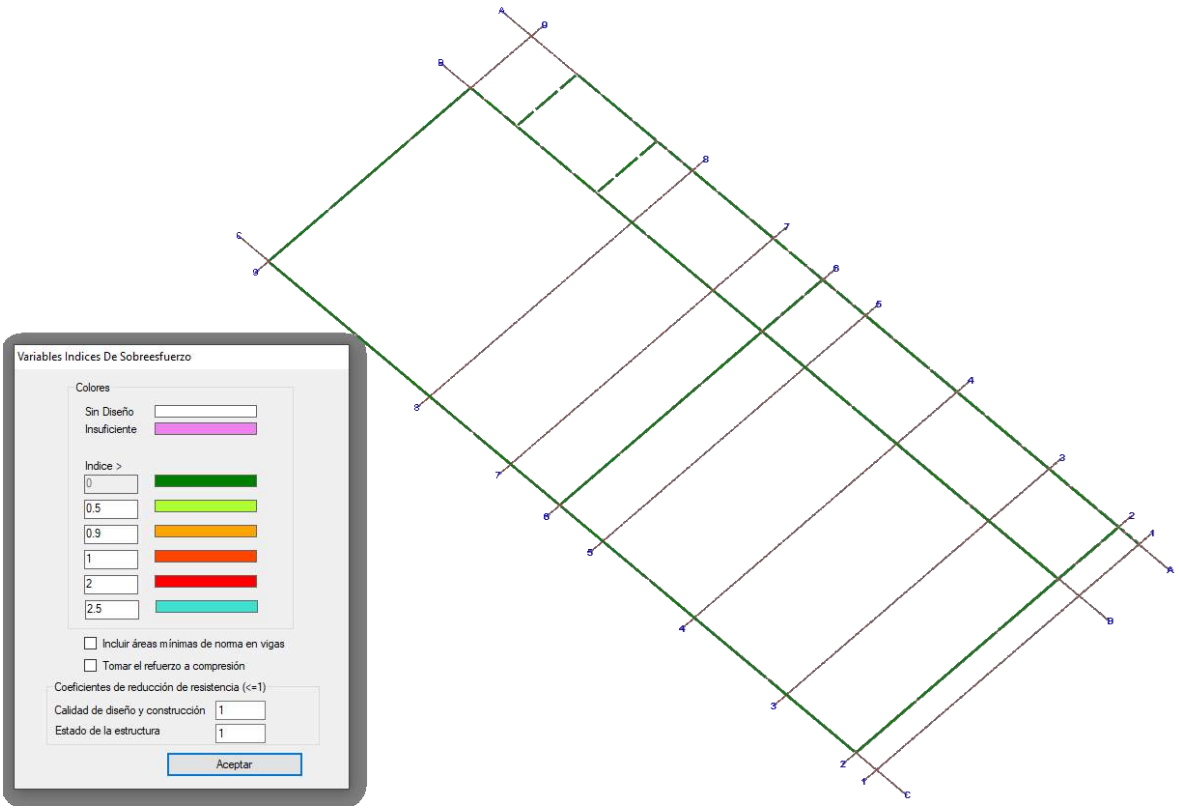
INDICES DE SOBREESFUERZO VIGAS DE CIMENTACIÓN MOMENTOS POSITIVOS



Viga	Vano	Posición	Indice	Suministrado
Eje VC-01 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-01 / Base	Vano 1	M Pos centro	0.213	2.654
Eje VC-01 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-02 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-02 / Base	Vano 1	M Pos centro	0.019	2.654
Eje VC-02 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-03 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-03 / Base	Vano 1	M Pos centro	0.019	2.654
Eje VC-03 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-04 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-04 / Base	Vano 1	M Pos centro	0.213	2.654
Eje VC-04 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-04 / Base	Vano 2	M Pos Nudo I	0	2.654
Eje VC-04 / Base	Vano 2	M Pos centro	0.019	2.654
Eje VC-04 / Base	Vano 2	M Pos Nudo J	0	2.654
Eje VC-05 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-05 / Base	Vano 1	M Pos centro	0.213	2.654
Eje VC-05 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-05 / Base	Vano 2	M Pos Nudo I	0	2.654
Eje VC-05 / Base	Vano 2	M Pos centro	0.019	2.654
Eje VC-05 / Base	Vano 2	M Pos Nudo J	0	2.654
Eje VC-06 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-06 / Base	Vano 1	M Pos centro	0.444	2.654
Eje VC-06 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-06 / Base	Vano 2	M Pos Nudo I	0	2.654
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Eje VC-06 / Base	Vano 2	M Pos Nudo J	0	2.654
Eje VC-07 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-07 / Base	Vano 1	M Pos centro	0.444	2.654
Eje VC-07 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-07 / Base	Vano 2	M Pos Nudo I	0	2.654
Eje VC-07 / Base	Vano 2	M Pos centro	0.139	2.654
Eje VC-07 / Base	Vano 2	M Pos Nudo J	0	2.654
Eje VC-07 / Base	Vano 3	M Pos Nudo I	0	2.654
Eje VC-07 / Base	Vano 3	M Pos centro	0.032	2.654
Eje VC-07 / Base	Vano 3	M Pos Nudo J	0	2.654
Eje VC-07 / Base	Vano 4	M Pos Nudo I	0	2.654
Eje VC-07 / Base	Vano 4	M Pos centro	0.011	2.654
Eje VC-07 / Base	Vano 4	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 1	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 1	M Pos centro	0.002	2.654
Eje VC-08 / Base	Vano 1	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 2	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 2	M Pos centro	0.024	2.654
Eje VC-08 / Base	Vano 2	M Pos Nudo J	0	2.654

Eje VC-08 / Base	Vano 3	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 3	M Pos centro	0.043	2.654
Eje VC-08 / Base	Vano 3	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 4	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 4	M Pos centro	0.043	2.654
Eje VC-08 / Base	Vano 4	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 5	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 5	M Pos centro	0.009	2.654
Eje VC-08 / Base	Vano 5	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 6	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 6	M Pos centro	0.012	2.654
Eje VC-08 / Base	Vano 6	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 7	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 7	M Pos centro	0.033	2.654
Eje VC-08 / Base	Vano 7	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 8	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 8	M Pos centro	0.006	2.654
Eje VC-08 / Base	Vano 8	M Pos Nudo J	0	2.654
Eje VC-08 / Base	Vano 9	M Pos Nudo I	0	2.654
Eje VC-08 / Base	Vano 9	M Pos centro	0.032	2.654
Eje VC-08 / Base	Vano 9	M Pos Nudo J	0	2.654

INDICES DE SOBREESFUERZO VIGAS DE CIMENTACIÓN CORTANTES



Viga	Vano	Posición	Indice	Suministrado
Eje VC-01 / Base	Vano 1	Fuerza Cortante Nudo I	0.077	13.093
Eje VC-01 / Base	Vano 1	Fuerza Cortante centro	0.031	13.093
Eje VC-01 / Base	Vano 1	Fuerza Cortante Nudo J	0.077	13.093
Eje VC-02 / Base	Vano 1	Fuerza Cortante Nudo I	0.023	13.093
Eje VC-02 / Base	Vano 1	Fuerza Cortante centro	0.009	13.093
Eje VC-02 / Base	Vano 1	Fuerza Cortante Nudo J	0.023	13.093
Eje VC-03 / Base	Vano 1	Fuerza Cortante Nudo I	0.023	13.093
Eje VC-03 / Base	Vano 1	Fuerza Cortante centro	0.009	13.093
Eje VC-03 / Base	Vano 1	Fuerza Cortante Nudo J	0.023	13.093
Eje VC-04 / Base	Vano 1	Fuerza Cortante Nudo I	0.077	13.093
Eje VC-04 / Base	Vano 1	Fuerza Cortante centro	0.031	13.093
Eje VC-04 / Base	Vano 1	Fuerza Cortante Nudo J	0.077	13.093
Eje VC-04 / Base	Vano 2	Fuerza Cortante Nudo I	0.023	13.093
Eje VC-04 / Base	Vano 2	Fuerza Cortante centro	0.009	13.093
Eje VC-04 / Base	Vano 2	Fuerza Cortante Nudo J	0.073	4.147
Eje VC-05 / Base	Vano 1	Fuerza Cortante Nudo I	0.077	13.093
Eje VC-05 / Base	Vano 1	Fuerza Cortante centro	0.031	13.093
Eje VC-05 / Base	Vano 1	Fuerza Cortante Nudo J	0.077	13.093
Eje VC-05 / Base	Vano 2	Fuerza Cortante Nudo I	0.023	13.093
Eje VC-05 / Base	Vano 2	Fuerza Cortante centro	0.009	13.093
Eje VC-05 / Base	Vano 2	Fuerza Cortante Nudo J	0.073	4.147
Eje VC-06 / Base	Vano 1	Fuerza Cortante Nudo I	0.112	13.093
Eje VC-06 / Base	Vano 1	Fuerza Cortante centro	0.045	13.093
Eje VC-06 / Base	Vano 1	Fuerza Cortante Nudo J	0.112	13.093
Eje VC-06 / Base	Vano 2	Fuerza Cortante Nudo I	0.11	13.093
Eje VC-06 / Base	Vano 2	Fuerza Cortante centro	0.044	13.093
Eje VC-06 / Base	Vano 2	Fuerza Cortante Nudo J	0.11	13.093
Eje VC-07 / Base	Vano 1	Fuerza Cortante Nudo I	0.112	13.093
Eje VC-07 / Base	Vano 1	Fuerza Cortante centro	0.045	13.093
Eje VC-07 / Base	Vano 1	Fuerza Cortante Nudo J	0.112	13.093
Eje VC-07 / Base	Vano 2	Fuerza Cortante Nudo I	0.062	13.093
Eje VC-07 / Base	Vano 2	Fuerza Cortante centro	0.025	13.093
Eje VC-07 / Base	Vano 2	Fuerza Cortante Nudo J	0.062	13.093
Eje VC-07 / Base	Vano 3	Fuerza Cortante Nudo I	0.095	4.147
Eje VC-07 / Base	Vano 3	Fuerza Cortante centro	0.012	13.093
Eje VC-07 / Base	Vano 3	Fuerza Cortante Nudo J	0.03	13.093
Eje VC-07 / Base	Vano 4	Fuerza Cortante Nudo I	0.017	13.093
Eje VC-07 / Base	Vano 4	Fuerza Cortante centro	0.007	13.093
Eje VC-07 / Base	Vano 4	Fuerza Cortante Nudo J	0.017	13.093
Eje VC-08 / Base	Vano 1	Fuerza Cortante Nudo I	0.007	14.883
Eje VC-08 / Base	Vano 1	Fuerza Cortante centro	0.003	14.883
Eje VC-08 / Base	Vano 1	Fuerza Cortante Nudo J	0.007	14.883
Eje VC-08 / Base	Vano 2	Fuerza Cortante Nudo I	0.026	13.093
Eje VC-08 / Base	Vano 2	Fuerza Cortante centro	0.01	13.093
Eje VC-08 / Base	Vano 2	Fuerza Cortante Nudo J	0.026	13.093

Eje VC-08 / Base	Vano 3	Fuerza Cortante Nudo I	0.035	13.093
Eje VC-08 / Base	Vano 3	Fuerza Cortante centro	0.014	13.093
Eje VC-08 / Base	Vano 3	Fuerza Cortante Nudo J	0.035	13.093
Eje VC-08 / Base	Vano 4	Fuerza Cortante Nudo I	0.035	13.093
Eje VC-08 / Base	Vano 4	Fuerza Cortante centro	0.014	13.093
Eje VC-08 / Base	Vano 4	Fuerza Cortante Nudo J	0.035	13.093
Eje VC-08 / Base	Vano 5	Fuerza Cortante Nudo I	0.016	13.093
Eje VC-08 / Base	Vano 5	Fuerza Cortante centro	0.006	13.093
Eje VC-08 / Base	Vano 5	Fuerza Cortante Nudo J	0.016	13.093
Eje VC-08 / Base	Vano 6	Fuerza Cortante Nudo I	0.018	13.093
Eje VC-08 / Base	Vano 6	Fuerza Cortante centro	0.007	13.093
Eje VC-08 / Base	Vano 6	Fuerza Cortante Nudo J	0.018	13.093
Eje VC-08 / Base	Vano 7	Fuerza Cortante Nudo I	0.03	13.093
Eje VC-08 / Base	Vano 7	Fuerza Cortante centro	0.012	13.093
Eje VC-08 / Base	Vano 7	Fuerza Cortante Nudo J	0.03	13.093
Eje VC-08 / Base	Vano 8	Fuerza Cortante Nudo I	0.043	4.147
Eje VC-08 / Base	Vano 8	Fuerza Cortante centro	0.005	13.093
Eje VC-08 / Base	Vano 8	Fuerza Cortante Nudo J	0.014	13.093
Eje VC-08 / Base	Vano 9	Fuerza Cortante Nudo I	0.095	4.147
Eje VC-08 / Base	Vano 9	Fuerza Cortante centro	0.012	13.093
Eje VC-08 / Base	Vano 9	Fuerza Cortante Nudo J	0.03	13.093

6 RESULTADOS ANALISIS DE VULNERABILIDAD

Una vez finalizados los análisis para cada una de las etapas previas, de cada una de las edificaciones que conforman la Alcaldía Local De Barrios Unidos, se pueden establere con claridad las falencias estructurales y funcionales que presenta la estructura.

De esta manera, para la estructura conformada por muros en mampostería simple se realizaron análisis ante las condiciones gravitacionales correspondientes al estado actual de cargas y las condiciones de gravedad más sismo, correspondientes al estado de diseño o exigencia del Reglamento Colombiano de Construcción Sismo Resistente NSR-10.

De acuerdo con lo anterior se pudo determinar que esta estructura al ser conformado por muros de mampostería no reforzada o simple no cuenta con una capacidad de disipación de energía requerida por el reglamento, con lo cual se genera un incumplimiento con los lineamentos dados por la NSR-10 en su sección A.3.9, en la cual no es permitido este tipo de sistema de cargas para la zona de amenaza sísmica intermedia.

Adicionalmente se pudo observar que la edificación no presenta falencias por flexibilidad ya que al ser conformado por muros de carga en ambos sentidos y dada la densidad de elementos portantes con la que cuenta su configuración estructural genera una edificación con pocos movimientos laterales, sin embargo, ante un análisis de cargas se pueden observar falencias en algunos elementos.

Para las condiciones gravitacionales de carga, se presenta un índice de sobre esfuerzo en un solo elemento de 1.15 por esfuerzos de corte sobre la sección, lo anterior se genera sobre un muro del edifico 1 del segundo nivel, en el cual dada la sección del muro se tiene una pequeña longitud portante y por ello se generan dichos efectos sobre la estructura, lo anterior no representa una afectación al sistema de resistencia ya que esta situación solo es observada en un elemento.

Para el edifico 2, correspondiente con la zona que se desarrolla a un nivel de altura, no se presenta índices de sobre esfuerzo ante las condiciones gravitacionales.

Edificio 1

EVALUACIÓN ESTADO VULNERABILIDAD	
Índice de sobreesfuerzo a compresión axial máximo	0.16
Índice de sobreesfuerzo a flexo-compresión	0.28
Indice de sobreesfuerzo a cortante	1.15

Edificio 2

EVALUACIÓN ESTADO VULNERABILIDAD	
Índice de sobreesfuerzo a compresión axial máximo	0.09
Índice de sobreesfuerzo a flexo-compresión	0.16
Indice de sobreesfuerzo a cortante	0.43

Los indices de sobre esfuerzo encontados para la condicones gravitacional son acordes con las condicones actuales de la edificaicon en donde no se presetna riesgo inminetne de colapso antes condicones de servicio o cargas gravitaiconales.

Sin embargo al generar el analisis ante las exigencias del reglametno NSR-10 para las condicones de sismo se puede observar que varios elemetnos presentan esfuerzo o

solicitaicones mayores a las capaces de resistir, lo anterio se traduce en indices de sobre esfuerzo de la sigueinte manera:

Edificio 1

EVALUACIÓN ESTADO VULNERABILIDAD - GREAVEDAD MAS SISMO	
Índice de sobreesfuerzo a compresión axial máximo	0.23
Índice de sobreesfuerzo a flexo-compresión	0.28
Indice de sobreesfuerzo a cortante	1.52

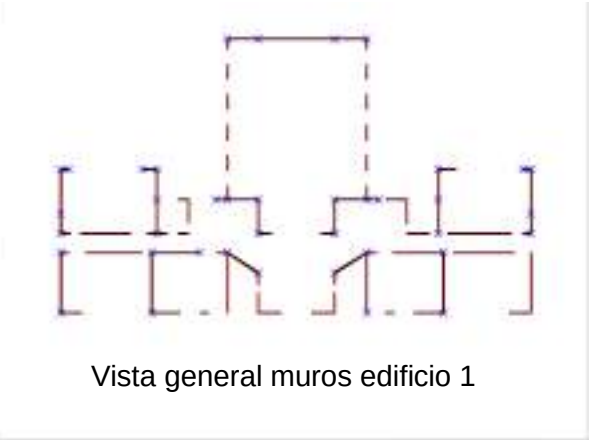
Edificio 2

EVALUACIÓN ESTADO VULNERABILIDAD	
Índice de sobreesfuerzo a compresión axial máximo	0.13
Índice de sobreesfuerzo a flexo-compresión	0.20
Indice de sobreesfuerzo a cortante	1.37

Los indices antes observados se presentan sobre los muros principales de la edificiacon o los elementos con mayor participacion en la estrucutra, a continaucon se presetna esquemas con la ubicación espacila de los elemetnos con sobre esfuerzo.



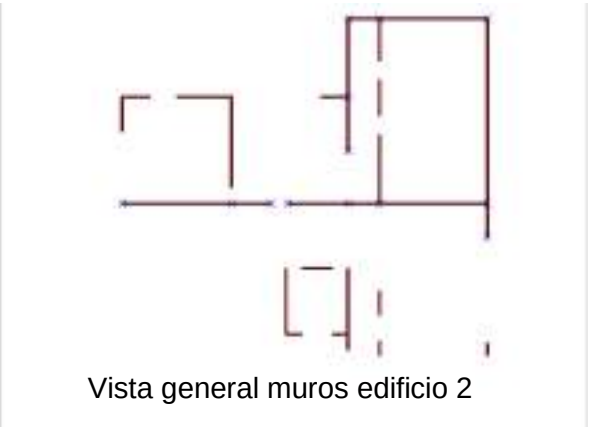
Localización elementos con índices mayores que la unidad



Vista general muros edificio 1



Localización elementos con índices mayores que la unidad



Vista general muros edificio 2

Con base en la informando obtenida de la modelación matemática realizada se genera la verificación de la capacidad portante del sistema de cimentacion que se presenta en la estructura, de esta manera y de acuerdo con los resultados de las campañas exploratorios y apiques realizados se pudo determinar que el sistema se encuentra conformado por elementos de cimentacion corrida en concreto ciclópeo sin viga de amarre, estos elementos

se encuentran desplantados entre 1.4 y 2.5 m y se encuentran apoyados sobre las arcillas de color café y gris verdosos.

De acuerdo el estudio de suelos AUS-21862, se tiene una capacidad portante admisible de 6.0 Ton/m^2, lo anterior al ser contrastado con las cargas y secciones de los elementos de cimentacion permitió observar un incumplimiento de la capacidad admisible.

En todos los casos ante las cargas gravitaciones y de sismo se presenta esfuerzos sobre el terreno mayores a la capacidad de fatiga del terreno con un factor de seguridad de falla de 3.0.

Adicionalmente se genera el análisis de los elementos de cubierta de acuerdo con los lineamientos del titulo G de la NSR-10, lo anterior apoyados del levantamiento e informe de sanidad de maderas, en el cual se definieron maderas de los grupos ES2 a ES4 para los elementos que conformas las cerchas de cubierta y ES4 para las secciones de correas.

De esta manera se realiza el análisis de cada una de las cerchas que conforman las crujidas de la edificación considerando maderas de los grupos definidos anteriormente y se obtuvieron los siguientes resultados:

Resumen Resultados de Analisis Cerchas Madera										
Elemento		Analisis ES2			Analisis ES4			Correa ES4		
Crujia	Cercha Tipo	Esfuerzo		Deformacion	Esfuerzo		Deformacion	Esfuerzo		Deformacion
1	1	ok	-	ok	ok	-	ok	1.04	flexion	No Cumple
	2	ok	-	ok	ok	-	ok	1.04	flexion	No Cumple
	3	ok	-	No Cumple	1.582	Flexion	No Cumple	ok	-	No Cumple
	4	ok	-	ok	ok	-	ok	ok	-	No Cumple
2	1	ok	-	ok	ok	-	ok	ok	-	No Cumple
3	1	ok	-	ok	ok	-	ok	ok	-	No Cumple
	2	ok	-	ok	1.61/1.21	Fexion y corte	No Cumple	ok	-	No Cumple
4	1	ok	-	ok	ok	-	ok	ok	-	No Cumple
5	1	ok	-	ok	ok	-	ok	ok	-	No Cumple
	2	ok	-	ok	ok	-	ok	ok	-	ok
	3	ok	-	ok	ok	-	ok	ok	-	ok
	4	ok	-	ok	ok	-	ok	ok	-	ok
6	1	ok	-	ok	ok	-	ok	ok	-	No Cumple

Como se puede observar, los análisis para cada una de las crujías generan resultados óptimos al ser considerados como maderas del grupo ES2 excepto para la crujía 1 cerchas tipo 3, correspondientes a las cerchas CH5 y CH7 donde se presenta afectación por deformaciones, lo anterior es debido a la configuración de elementos donde se presenta un elemento tipo puntal que trasmite las cargas directamente del par al elemento tirante generar un comportamiento atípico de la sección que se traduce en las deformaciones encontradas.

Al realizarse el análisis como maderas del grupo ES4 se observan afectaciones por deformaciones y por solicitaciones a flexión y corte sobre los elemento de la crujía 1 cerchas tipo 3, debido a las condiciones antes mencionadas, adicionalmente en la crujía 3 cercha tipo 2, se observan valores de esfuerzo mayores a los permitidos por la NSR-10, esto sucede por la configuraicon particular de la cercha CH4 en la cual se presenta media sección del tirante, lo que genera la concentración de esfuerzo en la sección evaluada.

A su vez se pudo determinar que las secciones tipo correas son insuficientes para soportar los efectos de deflexión a los que se encuentran sometidos, solo se presenta secciones insuficientes a flexión en las cerchas de la crujía 1, sin embargo, el índice de sobre esfuerzo es muy cercano a la unidad 1.04 lo cual no representa una afectación mayor a los elementos, dados estos resultados se debe considerar el reemplazado de los elementos por secciones que tengan la capacidad de evitar las deformaciones observadas.

Para los elementos de entrepiso que conforman el edificio 1, se observan índices de sobre esfuerzo de 1.02, los cuales no representa un riesgo inminente, sin embargo, ante las condiciones de deformación se determinaron desplazamientos mayores a los admisibles lo que se traduce en vibraciones excesivas del sistema de entrepiso.

El análisis del edificio 2 zona de repotenciamiento permitió observa un comportamiento optimo ante las condiciones de flexibilidad de la estructura, para la evaluación de esta estructura se consideró la información de la licencia de construcción de 2004 con la cual fue ejecutado el proyecto, de esta manera se pudo determinar que los elementos tipo columna son acordes a las cargas y solicitaciones del edificio con lo cual no se presenta índices de sobre esfuerzo para estos elementos.

Sin embargo, el chequeo de las vigas de cubierta permitió determinar que las secciones actuales de 0.20x0.35 son insuficientes para evitar deformaciones excesivas en los elementos, lo anterior se traduce en índices de sobre esfuerzo mayores a la unidad del orden de 2.0.

Los resultados encontrados para estos elementos son acordes con los daños observados en las visitas realizadas, en la cuales se presenta fisuras en los muros de mampostería o elementos no estructurales generados por las deformaciones excesivas que se presenta en las vigas y que se traducen en cargas sobre los elementos no estructurales.



Se presenta daños en elementos no estructurales por deformaciones excesivas de los elementos tipo viga del sistema de cubierta

A su vez el análisis de las condiciones de cimentacion de la estructura a porticada que conforman el edificio 2 permitió evidenciar esfuerzos al suelo de cimentacion mayores a la capacidad admisible del terreno.

El análisis de la estructura metálica de cubierta del edificio 2, crujía 1 permito observa un comportamiento óptimo de los elementos utilizados y la configuración geométrica de las cerchas, con lo cual no se generan incides de sobre esfuerzo en los elementos.

7 INTERVENCIÓN DEL SISTEMA ESTRUCTURAL

De acuerdo con la información recopilada y los resultados de los diferentes análisis, se pueden plantean alternativas de reforzamiento que le permitan al sistema estructural tener la suficiente capacidad de resistir los esfuerzos actuantes calculados. La determinación de la alternativa de intervención estructural más conveniente debe ser evaluada no sólo a la luz de los requerimientos estructurales actualizados al reglamento vigente, sino que además se debe tener en cuenta el entorno socioeconómico de la edificación, el grado de afectación de la estructura, los ocupantes (de haberlos) y demás factores que puedan llegar a dificultar la puesta en marcha de las recomendaciones propuestas.

Estas alternativas de reforzamiento deberán cumplir un proceso iterativo, basado en los índices de sobreesfuerzo y flexibilidad encontrados en el presente informe, debido a que las opciones de reforzamiento propuestas serán inicialmente válidas, solo si estos índices son menores a la unidad.

7.1 ETAPA 11.

"La intervención estructural debe definirse de acuerdo con A.10.6 dentro de una de tres categorías: (a) Ampliaciones adosadas, (b) Ampliaciones en altura y (c) Actualizaciones al reglamento."

Dado que las estructuras que se han evaluado en el presente informe arrojan valores mayores a la unidad en los índices de sobreesfuerzo de los elementos de cada uno de los bloques que conforman la Alcaldía Local de Barrios Unidos, estos serán objeto de intervenciones estructurales que satisfagan los requerimientos al Reglamento Colombiano De Construcción Sismo Resistente NSR – 10.

7.1.1 ALCANCE DE LA INTERVENCIÓN.

La intervención estructural debe definirse de acuerdo con A.10.6, dentro de una de las siguientes categorías:

- Ampliaciones adosadas,
- Ampliaciones en altura,
- Actualizaciones al reglamento
- Modificaciones.

De esta manera, se deben establecer los siguientes tipos de intervenciones a efectuar sobre los edificios mencionados.

- Mantenimiento: Es la acción tendiente a la recuperación y protección de los elementos y valores existentes en un inmueble sin que ello implique alguna alteración de sus características formales y funcionales.

- Consolidación: Acciones de carácter inmediato con el fin de contrarrestar el deterioro de los componentes estructurales o formales de un inmueble, ocasionado por la acción del tiempo, o por la acción e intervención del hombre o la naturaleza.

- Acciones de carácter estructural en cimentación, muros, entrepisos, columnas, cubiertas.

- Acciones de carácter formal: en pañetes, molduras exteriores o interiores, cornisas, muros divisorios, elementos decorativos, yeserías, pinturas etc.

- Adecuación: Es la obra tendiente para hacer viable una estructura para un determinado uso, sea éste el original u otro compatible o complementario, garantizando la permanencia del inmueble original, el mantenimiento de sus características tipológicas, morfológicas, y estructurales, sus valores arquitectónicos, índices de ocupación y demás elementos originales ya sea porque lo exige la autoridad o porque lo requiera el interesado.

7.2 ETAPA 12.

"El conjunto debe analizarse nuevamente incluyendo la modificación. Esta debe diseñarse para las fuerzas y esfuerzos obtenidos en este nuevo análisis. El diseño y construcción debe llevarse a cabo de acuerdo con los requisitos para cada tipo de modificación."

La intervención estructural obedece a una adecuación que modifica las características propias del sistema estructural original lo cual tendrá como objetivo reducir los valores de los índices de sobre esfuerzo encontrados, para llevar a la estructura a un estado adecuado de acuerdo con los estándares del Reglamento Colombiano De Construcción Sismo Resistente NSR – 10.

8 CONCLUSIONES

El análisis de los edificios que conforman la Alcaldía Local de Barrios Unidos, se realizó teniendo en cuenta las indicaciones establecidas en el Reglamento Colombiano De Construcción Sismo resistente NSR – 10 Capitulo A.10 para la Evaluación E Intervención De Edificaciones Construidas Antes De La Vigencia De La Norma Actual Del Reglamento.

Los análisis realizados permitieron observar deficiencias en los sistemas estructurales que conforman los edificios 1 y 2, en los cuales se presenta índices de sobre esfuerzo por corte sobre los muros de mampostería simple que conforman la estructura.

A su vez y con base en la información del levantamiento y sanidad de las maderas que conforman los elementos de cubierta se observa un comportamiento en general óptimo de los elementos al ser verificados ante las condiciones de carga y secciones actuales, sin embargo, de acuerdo con la información del informe de sanidad se presenta secciones afectadas en los diversos elementos de las cerchas que requieren una revisión o acción oportuna para evitar mayores daños.

Se pudo determinar que las secciones que conforman los elementos tipo Correa de los sistemas de cubierta en madera no cuentan con la sección adecuada para controlar los desplazamientos o deformaciones.

Para el edificio 2, zona de repotenciamiento se presenta índices de sobre esfuerzo en vigas principales que se traducen en deformaciones excesivas que están afectando los muros no estructurales de esta zona.

Para los edificios 1, 2 y 2 zona de repotenciamiento, se presenta condiciones de cimentacion desfavorables, lo anterior de acuerdo en las capacidades admisibles del terreno dadas en el Estudio de Suelos AUS-21862.

De esta manera y de acuerdo con la información recopilada y los resultados de los diferentes análisis, se deben considerar alternativas de reforzamiento que le permitan al sistema estructural tener la suficiente capacidad de resistir los esfuerzos actuantes calculados.

La determinación de la alternativa de intervención estructural más conveniente debe ser evaluada no sólo a la luz de los requerimientos estructurales actualizados al reglamento vigente, sino que además se debe tener en cuenta el entorno socioeconómico de la edificación, el grado de afectación de la estructura, los ocupantes (de haberlos) y demás factores que puedan llegar a dificultar la puesta en marcha de las recomendaciones propuestas.

Estas alternativas de reforzamiento deberán cumplir un proceso iterativo, basado en los índices de sobreesfuerzo y flexibilidad encontrados en el presente informe, debido a que las opciones de reforzamiento propuestas serán inicialmente válidas, solo si estos índices son menores a la unidad.