

LA COORDINACIÓN DE INFRAESTRUCTURA CULTURAL DEL MINISTERIO DE CULTURA

CERTIFICA QUE

CONSORCIO CEYET, identificado con **NIT No. 901754071**, cumplió a satisfacción técnica, administrativa, financiera y jurídicamente con el objeto y las obligaciones del contrato de **CONCURSO DE MÉRITOS ABIERTO (DESCONTINUADO) No. 4264/2023**, en la forma y oportunidad pactadas.

En caso que se haya generado un pago anterior en virtud del contrato, CERTIFICO que el informe de ejecución correspondiente a dicho periodo se encuentra publicado en SECOP II.⁽¹⁾

Por lo anterior, se genera registro de reevaluación al proveedor donde autoriza cancelar la suma de **\$ 119.574.472,50 "CIENTO DIECINUEVE MILLONES QUINIENTOS SETENTA Y CUATRO MIL CUATROCIENTOS SETENTA Y DOS CON 50/100 PESOS M/Cte."**; correspondientes al **Segundo Pago** y tras previa verificación del cumplimiento de sus obligaciones con los sistemas de seguridad social integral (salud, pensión y riesgos profesionales) y parafiscales.

Afecta los siguientes usos presupuestales:

No. COMPROMISO	RUBRO	USO	VALOR
1286323	C-3301-1603-22-0-3301016-02	A-02-02-02-008-003-01-2	\$ 119.574.472,50
T O T A L			\$ 119.574.472,50

Se expide en Bogotá, D.C. a los 06 días del mes de noviembre de 2024



JULIANA RAMIREZ RODRIGUEZ
COORDINADOR(A) DE INFRAESTRUCTURA CULTURAL
Supervisor

(1) Solo aplica para contratos que están publicados en SECOP II

CONSORCIO CEYET

Nit 901.754.071-7

Autorización Numeración Facturación
Electronica DIAN No.18764059126547 de
01/11/2023 Habilitada del CEY2 1 al
CEY2 100 Vigencia 12 Meses.

IVA Régimen Común No somos
Agentes de Retención de IVA

No somos Grandes Contribuyentes
contabilidad@ceycoingenieria.com

**Factura Electrónica
De Venta No
CEY2 6**

CLIENTE	MINISTERIO DE LAS CULTURAS LAS ARTES Y LOS SA		siifnacion.facturaelectronica@minhacienda.gov.co		
NIT	830034348 5	FECHA FACTURA	18/09/2024	FECHA VENCIMIENTO	18/10/2024
DIRECCIÓN		CIUDAD	TELÉFONO	FORMA DE PAGO	
CRA 8 8 55		Bogota D.C.	3424100	Credito	

Item	Descripción	Base	IVA	Valor IVA	Total
1	Un segundo pago del TREINTA Y CINCO POR CIENTO (35%) del valor del contrato, presentando los ESTUDIOS TÉCNICOS: - Anteproyecto Arquitectónico - Anteproyecto de Urbanismo - Socialización inicial - Anteproyecto estructural - Avance memoria descriptiva en un estado de los Productos: 100% terminados, revisados y aprobados por la Interventoría.	100.482.750,00	19%	19.091.722,50	100.482.750,00

Total Items 1

Valor En Letras CIENTO DIECINUEVE MILLONES QUINIENTOS SETENTA Y CUATRO MIL CUATROCIENTOS SETENTA Y DOS PESOS M/CTE CON CINCUENTA CENTAVOS

SUBTOTAL	100.482.750,00
IVA	19.091.722,50
TOTAL	119.574.472,50

OBSERVACIONES: #S33-01-01, contrato 4264-2023; jramirezr@mincultura.gov.co#S

Retención en la Fuente 6% de acuerdo con el Art. 1 del decreto 1141 de 2010 - Actividad Económica 7112 Tarifa 8.66 X 1000 Bogotá



Representación Gráfica de la Factura de Venta Electrónica

Documento de Venta No 05 Villa del Prado, Bogotá, Colombia Tels: +57 (1) 7580765 - +57 3174396249



ACTA DE PAGO PARCIAL DE INTERVENTORÍA Y/O CONSULTORÍA

☒ Público

☐ Clasificado

☐ Reservado

Código: F-GIN-101

Versión: 4

Fecha: 10/Dic/2021

CONTRATO No:

4264-2023

OBJETO:

"Realizar la contratación de las consultorías para la ejecución de los estudios técnicos y proyectos para la construcción de monumentos en el Corregimiento de Pueblo Bello, Turbo, Antioquia y Mapiripán, Meta, de acuerdo a lo establecido para cada grupo." Grupo 1: Realizar los estudios técnicos y proyectos de construcción de la Casa cultural museo de memoria, municipio de Mapiripán - Meta.

INTERVENTOR:

IA INGENIERIA Y ARQUITECTURA DE COLOMBIA S.A.S

FECHA DE INICIACIÓN:

23/11/2023

PLAZO:

4 MESES

PRORROGA:

HASTA 04/12/2024

FECHA DE SUSPENSIÓN:

28/09/2024

FECHA DE REINICIACIÓN:

26/11/2024

FECHA TERMINACIÓN :

4/12/2024

VALOR Inicial (incluido IVA) :

\$ 341.641.350,0

VALOR ADICIÓN:

\$ 0,0

VALOR TOTAL:

\$ 341.641.350,0

ACTA No.

2

VALOR ACTA:

\$ 119.574.472,50

FECHA :

28/10/2024

PERIODO PAGO MES:

sep-24

ACTA DE PAGO PARCIAL DE INTERVENTORIA Y/O CONSULTORIA

FORMA DE PAGO (Acorde al contrato)	CONDICIONES CONTRACTUALES VIGENTES			PRESENTE ACTA		ACUMULADO ANTERIOR		ACUMULADO			
	UNIDAD	VALOR UNITARIO	CANTIDAD	VALOR TOTAL	CANTIDAD	VALOR TOTAL	CANTIDAD	VALOR TOTAL	CANTIDAD	VALOR TOTAL	PORCENTAJE PAGADO
Cargos fijos											
(Acorde al contrato)	MES										
Pagos por avance	%	\$ 287.093.571,43	90,00%	\$ 258.384.214,29	35,00%	\$ 100.482.750,00	20,00%	\$ 57.418.714,00	0,55	\$ 157.901.464,00	61,11%
<div>Un primer pago del VIENTE POR CIENTO (20%) del valor del contrato, presentando: Estudios Preliminares: Investigación Constructiva, histórica y tipológica. - Levantamiento Topográfico - Estudio y concepto geotécnico (Suelos), en un estado de los Productos: 100% terminados, revisados y aprobados por la Interventoría.</div> <div>b) Un segundo pago del TREINTA Y CINCO POR CIENTO (35%) del valor del contrato, presentando los ESTUDIOS TÉCNICOS. - Proyecto Arquitectónico - Proyecto de Urbanismo. - Socialización inicial - Proyecto estructural - Avance memoria descriptiva en un estado de los Productos: 100% terminados, revisados y aprobados por la Interventoría.</div> <div>c) Un tercer pago del TREINTA Y CINCO POR CIENTO (35%) del valor del contrato presentando los ESTUDIOS TÉCNICOS. - Proyecto de construcción Integral. - Memoria descriptiva. - Proyecto de Instalaciones Eléctricas, de Iluminación interior y exterior, de Sonido, Red de voz y datos - Proyecto de Instalaciones hidráulicas convencionales y no convencionales, sanitarias, drenajes, red contra incendios y gas, redes especiales.</div> <div>- Proyecto de seguridad (alarmas, cámaras, evacuación, seguridad física). - Proyecto de señalización y señalética - Presupuesto, especificaciones técnicas, APUS; en un estado de los Productos: 100% terminados, revisados y aprobados por la Interventoría cumpliendo con los términos establecidos en el anexo técnico.</div>											
Pago contra liquidación	Und.	\$ 287.093.571,43	0,10	\$ 28.709.357,14							
<div>DIEZ POR CIENTO (10%) del valor del contrato, presentando:</div> <div>- Aprobación de los proyectos por parte de las empresas prestadoras de servicios.</div> <div>- Informe final. - Acta de aprobación de la totalidad de los productos emitida por la Interventoría. - Acta de entrega y recibo a satisfacción. - Certificación de cumplimiento expedida por el Supervisor del contrato. - Recibo a satisfacción por parte del MINISTERIO.</div> <div>- Aceptación del diseño por parte de los beneficiarios y sus representantes. - Acta de liquidación del contrato.</div>											

SUBTOTAL

\$ 287.093.571,43

IVA

19,00%

\$ 54.547.779,00

VALOR TOTAL

\$ 341.641.350,00

\$ 100.482.750,00

\$ 19.091.722,50

\$ 119.574.472,50

35,00%

\$ 57.418.714,00

\$ 10.909.556,00

\$ 68.328.270,00

20,00%

\$ 157.901.464,00

\$ 30.001.278,00

\$ 187.902.742,00

55,00%

SON CIENTO DIECINUEVE MILLONES QUINIENTOS SETENTA Y CUATRO MIL CUATROCIENTOS SETENTA Y DOS PESOS M/CTE.

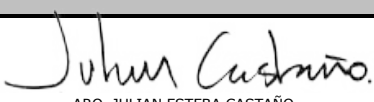

JULIAN ESTEBAN CASTAÑO OSPINA
Representante Legal Consultoría
CONSORCIO CETY


YAMIL FABIAN CASTRILLON
Representante Legal Interventoría
IA INGENIERIA Y ARQUITECTURA DE COLOMBIA S.A.S

	LISTA DE CHEQUEO PARA INFORME MENSUAL DE CONSULTORIA				Página 1 de 1	
	<div>☒ Público</div> <div>☐ Reservado</div> <div>☐ Clasificado</div>				Código: F-GIN-111 Versión: 4 Fecha: 30/Oct/2023	

No. CONTRATO	4264-2023	OBJETO	Realizar los estudios técnicos y proyectos de construcción de la Casa Cultural museo de memoria, municipio de Mapiripán, Meta
NÚMERO DEL INFORME	ENTREGA DOS	PERIODO DEL INFORME	28/08 /2024 / - /18 /09 / 2024

REGISTRO DE CHEQUEO						
		CUMPLE			OBSERVACIONES	SOPORTE
		SI	NO	N.A.		
1.	INFORME MENSUAL (formato GICN - 0028)					
	Estado General del Contrato				SUSPENDIDO	N/A
	Informe Técnico			X	N/A	
	Informe Administrativo			X	N/A	
	Informe Financiero			X	N/A	
	Programación actualizada firmada por el interventor y contratista.			X	N/A	
	Curva S (Estado avance presupuestal y cronograma del proyecto)			X	N/A	
	Actividades proyectadas a ejecutarse			X	N/A	
	Flujo de Caja programado			X	N/A	
	Actas de comités (contrato)			X	N/A	
	Copia de resultado de estudios o laboratorios avalados por interventoría			X	N/A	
	Formato Plan de Calidad de Intervenoría			X	N/A	
	Correspondencia enviada y recibida del periodo			X	N/A	
	Recomendaciones y/o sugerencias			X	N/A	
2	COPIA INFORMES SEMANALES DEL PERIODO					
	Infome Semanal			X	N/A	N/A
	Fotografías			X	N/A	
3	ANEXOS					
	Certificaciones y pruebas de calidad	X			INCLUIDOS EN LOS INFORMES DE SUELOS.	
	Factura en original	X			PRO FORMA	https://mcultura-my.sharepoint.com/:f/g/personal/lpinedab_minicultura_gov_co1/Eq-KeeORF5hBvSKnWJ5P0MQB5PZ4BmSW1Hs_Gq80CiAKw?e=3Vh01J
	Paz y Salvo de cumplimiento en pagos de parafiscales	X			-----	https://mcultura-my.sharepoint.com/:f/g/personal/lpinedab_minicultura_gov_co1/Eqy8WjSzvipHvGiKln5LPn0BJS6NALEQWABJXfmg6D9uq?e=mdS9uK
	Soportes pagos parafiscales del personal junto con planillas (revisar vs propuesta presentada)	X			-----	
	Actualización de documentos legales del contrato (pólizas)	X			-----	https://mcultura-my.sharepoint.com/:f/g/personal/lpinedab_minicultura_gov_co1/Ew3hOuPVpdGtY2wLtzI7FYBttOfhf0D4qil1cUW5f2jSA?e=tZbPrg

 ARQ. JULIAN ESTEBA CASTAÑO		 ARQ. YAMIL FABIAN CASTRILLON
CONSULTORIA		INTERVENTORIA
DIRECTOR		DIRECTOR
CEYET		IA INGENIERIA Y ARQUITECTURA DE COLOMBIA SAS

<div></div> <div></div>											
FECHA:	8/10/2024	FECHA DE INICIO:	23/11/2023	FECHA TERMINACION	5/12/2024	PLAZO:	120				
ACTA ENTREGA DOS								FORMATO SST-FT-CQ-01		VERSION 1.0	
CONTRATO No		4264-2023		CUMPLE	OBSERVACIONES		SOPORTE				
CONSULTOR		CEYET									
3	ENTREGA DOS (Estudios Técnicos)										
	Anteproyecto Arquitectónico		SI			https://micultura-my.sharepoint.com/:f:/g/personal/lpinedab_mincultura_gov_c_o1/Ej1XYJ6CVM9KpB8jXs5_GoB3tWGrX1Tf5lpo03hC-gKcA?e=slEuLj					
	Anteproyecto de Urbanismo		SI								
	Análisis de sostenibilidad bioclimático		N/A	NO APLICA SEGÚN MODIFICATORIO							
	Socialización inicial		SI								
	Anteproyecto estructural		SI								
	Avance memoria descriptiva		SI								
ELABORA: REVISAR: APROBADO:											
 ARQ. MONICA GOMEZ REY								 ARQ. YAMIL FABIAN CASTRILLON			
COORDINADOR INTERVENTORIA								DIRECTOR			



Cultura

**ESTUDIO
TERRI
TORI
OS**



CONSORCIO CEYET

**CONSULTORÍAS PARA LA EJECUCIÓN DE LOS ESTUDIOS TÉCNICOS Y PROYECTOS PARA LA
CONSTRUCCIÓN DE MONUMENTO EN MAPIRIPÁN, META**

Informe de diseño Proyecto Arquitectónico REV 0

ENTREGA	REVISIÓN	OBSERVACIONES
ANTEPROYECTO	A	ENTREGADO
PROYECTO	P	
PROYECTO DEFINITIVO	0	

Fecha: 16-09-2024

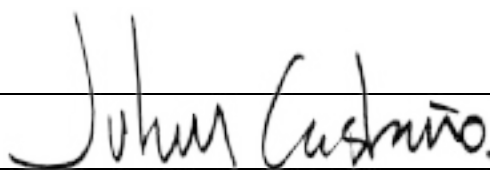
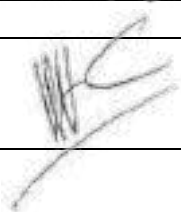
Realizó	Julián Castaño Ospina	
	M.P: 26342012-1036932197	
Aprueba interventoría	Yamil Fabian Castrillón	

TABLA DE CONTENIDO

1.0 INTRODUCCION.....	2
2.0 ANTECEDENTES.....	2
3.0 CONDICIONES CONTRACTUALES.	2
4.0 LOCALIZACIÓN	3
5.0 ALCANCES CONTRACTUALES Y AVANCES INICIADOS	7
7.0 PROGRAMA ARQUITECTÓNICO.....	8
8.0 PROYECTO ARQUITECTÓNICO.....	10
9.0 CONCLUSIONES	15

1.0 INTRODUCCION.

La presente memoria descriptiva busca reseñar las condiciones de la ejecución de las actividades de la consultoría en el desarrollo del contrato de consultoría N°4264 de 2023 cuyo objeto es “Realizar la contratación de las consultorías para la ejecución de los estudios técnicos y proyectos para la construcción de un monumento en Mapiripan, Meta”

2.0 ANTECEDENTES.

La Alcaldía Municipal de Mapiripán, en conjunto con el Ministerio de Cultura, Las Artes y Los Saberes, y la Cancillería, han adquirido un compromiso amplio y serio con el cumplimiento de la medida ordenada por la Corte Interamericana de Derechos Humanos, con el objetivo de desarrollar el monumento que permita la reparación para las víctimas. Así las cosas, la propuesta de las víctimas para la atención de la orden se relaciona con un espacio habitable (estrategia de edificio con actividad), encontrando que la alternativa más óptima es el Museo de Memoria, que dado el espacio dispuesto para la divulgación de expresiones culturales se denomina CASA CULTURAL MUSEO DE LA MEMORIA DE MAPIRIPÁN.

Para cumplir con lo establecido anteriormente, se abre una convocatoria pública a través del concurso de méritos abierto N°MC-CM-089-2023, en la plataforma SECOP II, el cual es ganado por el consultor del presente contrato.

El contrato de consultoría N°4264 de 2023 fue aprobado y firmado el día 23 de octubre de 2023, tiene por objeto “Realizar la contratación de las consultorías para la ejecución de los estudios técnicos y proyectos para la construcción de un monumento en Mapiripan, Meta”. Con firma de acta de inicio el día 23 de noviembre de 2023.

3.0 CONDICIONES CONTRACTUALES.

No. de contrato	4264 de 2023
Contratista Consultoría	CONSORCIO CEYET
Objeto	“REALIZAR LA CONTRATACIÓN DE LAS CONSULTORÍAS PARA LA EJECUCIÓN DE LOS ESTUDIOS TÉCNICOS Y PROYECTOS PARA LA CONSTRUCCIÓN DE UN MONUMENTO EN MAPIRIPAN, META.”
Periodo Estudios y Diseños	CUATRO (04) MESES
Plazo total del contrato	CUATRO (04) MESES
Valor de los estudios y diseños	\$ 341.641.350
Valor total del contrato	\$ 341.641.350
Fecha Inicio	23 DE NOVIEMBRE DE 2023
Fecha Inicial de Terminación	15 DE DICIEMBRE DE 2023
Prórroga	HASTA EL 22 DE MARZO DE 2024
Suspensión 1	DESDE 21 DE FEBRERO HASTA 20 DE MARZO 2024
Ampliación 1 Suspensión 1	DESDE 21 DE MARZO HASTA 15 DE ABRIL 2024
Suspensión 2	DESDE 23 DE ABRIL HASTA 07 DE MAYO 2024

Suspensión 3

Ampliación 1 Suspensión 3

Ampliación 2 Suspensión 3

Fecha de Terminación

DESDE 30 DE MAYO HASTA 29 DE JUNIO 2024

DESDE 29 DE JUNIO HASTA 29 DE JULIO 2024

DESDE 29 DE JULIO HASTA 27 DE AGOSTO 2024

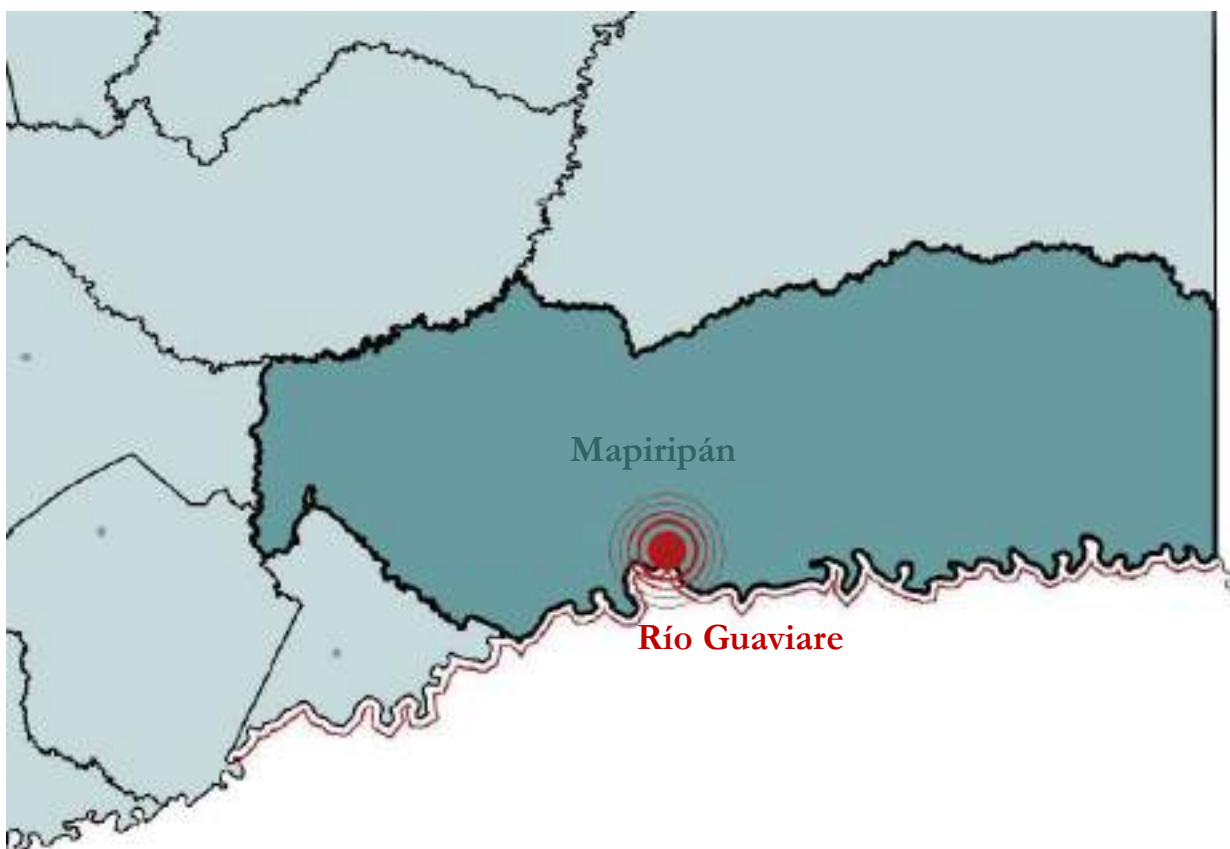
28 DE SEPTIEMBRE DE 2024

4.0 LOCALIZACIÓN

CASA MUSEO DE MAPRIPÁN



Fuente: Elaboración propia.



Fuente: Elaboración propia.

Mapiripán se encuentra al borde del **Río Guaviare**, quien con sus aguas divide la **Región de la Orinoquía** de la Región de la **Amazonía**. Dista 116km de San José del Guaviare, 324km de Villavicencio y 417km de Bogotá al sur, respectivamente y cuenta con una superficie total de 11.938 km² y una población total de 7325 hab.

Cuenta, además, con varios resguardos indígenas, quienes representan grandes ventajas culturales, ya que hay diversidad de conocimientos, creencias, ritos y personajes con un alto sentido de solidaridad y amor por la naturaleza.

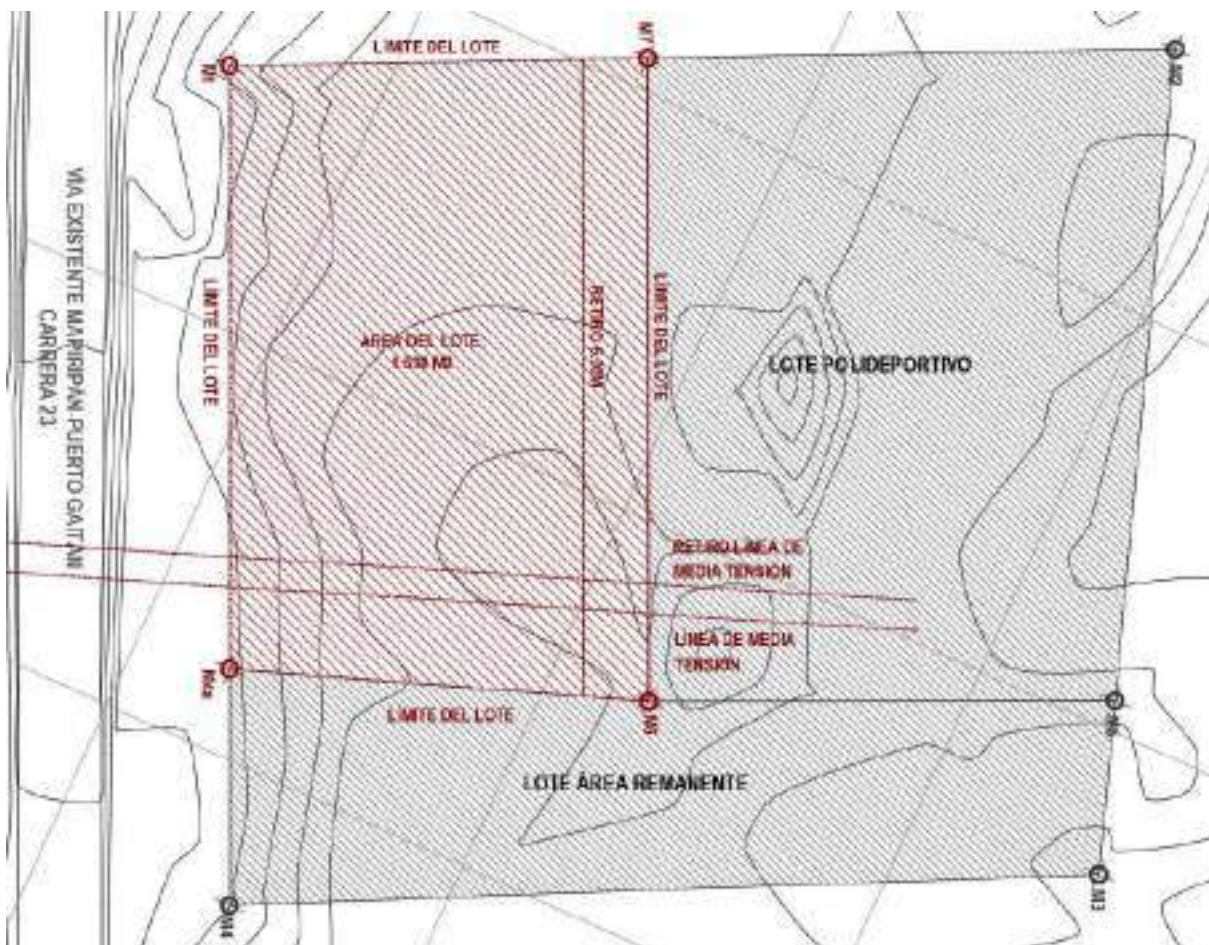
Por otro lado, La hacienda Mapiripana es el nombre que se le dio a la finca de Thomas y Ricki Kirby, basados en el personaje de La Vorágine de José Eustasio Rivera, escrito que no es propio de la cultura indígena, pero puede ser el más importante de la literatura de los llanos, el cual hace referencia al llano, la selva y la violencia.

La vorágine: «La **indiecita Mapiripana** es la sacerdotisa de los silencios, la celadora de manantiales y lagunas. Vive en el riñón de las selvas, exprimiendo las nubecillas, encauzando las filtraciones, buscando perlas de agua en la felpa de los barrancos, para formar nuevas vertientes que den su tesoro claro a los grandes ríos. **Gracias a ella, tienen tributarios el Orinoco y el Amazonas.**»

El nombre de la hacienda **Mapiripana**, sería del que tomaría el nombre la eventual población de Mapiripán.

El lote hace parte de un lote de mayor extensión identificado con cédula catastral N°50325010000860001000, y cuenta con un área predial de 4450m². Este lote de mayor extensión fue dispuesto por la administración para el desarrollo del proyecto en cuestión, pero, además, en parte de su área predial se está desarrollando también el proyecto del Contrato de Obra No. 264 de 2023 cuyo objeto es "AUNAR ESFUERZOS INSTITUCIONALES, TECNICOS, ADMINISTRATIVOS Y FINANCIEROS PARA LA CONSTRUCCION DEL POLIDEPORTIVO CUBIERTO SECTOR ALTO DEL CASCO URBANO DE MAPIRIPAN EN EL META." Por lo que se tuvo que ajustar el área a intervenir y dividir el lote de mayor extensión en (3) tres áreas: 1) Lote Casa Museo de Memoria Mapiripán, 2) Lote Polideportivo y 3) Lote de área remanente, esta última área resultante de la línea de media tensión existente.

El lote de la Casa Museo de Memoria de Mapiripán tiene como condicionantes la línea de media tensión, la cual genera una línea de retiro para el proyecto, y deberá tener también un retiro hacia el polideportivo vecino.



Fuente: Elaboración propia

5.0 ALCANCES CONTRACTUALES Y AVANCES INICIADOS

El contrato N°4264 de 2023 establece en el anexo técnico y la forma ajustada de acuerdo con el MODIFICATORIO N°2 los siguientes estudios técnicos que de acuerdo con el Cronograma del plan de trabajo:

1. Levantamiento topográfico.
2. Investigación Constructiva, histórica y tipológica.
3. Estudio y concepto geotécnico (Suelos).
4. Diseño arquitectónico.
5. Proyecto de diseño urbano.
6. Socialización inicial
7. Diseño estructural de edificaciones.
8. Proyecto de Construcción integral.
9. Memoria Descriptiva.
10. Proyecto de instalaciones eléctricas, de iluminación, de sonido, red análoga, y telefonía.
11. Proyecto de seguridad (alarmas, cámaras, evacuación, seguridad física).
12. Proyecto de instalaciones hidráulicas, sanitarias, drenajes y red contra incendios.
13. Presupuesto y especificaciones técnicas.
14. Programación de obra

6.0 CONSULTA NORMATIVA, ENTIDADES PRESTADORAS DE SERVICIOS PÚBLICOS Y SOLICITUD DE DATOS TÉCNICOS Y NORMA CURADURÍA.

Se procedió a radicar el comunicado ante la Secretaría de Planeación e Infraestructura, para hacer la consulta del respectivo concepto de norma del predio, a lo que la Secretaría de Planeación respondió mediante oficio, lo que se resume a continuación:

Se debe tener en cuenta lo indicado por el Decreto 1077 de 2015, Sector Vivienda, Ciudad y Territorio y sus complementarios en lo referente a las licencias de construcción, al igual a lo estipulado en la Ley 388 de 1997, en cuanto a competencias en materia de ordenamiento territorial.

La única limitación de uso definida en la actualidad para el desarrollo de la totalidad del área predial es el proyecto del Contrato de Obra No. 264 de 2023, al igual que la franja de retiro de protección y/o servidumbre sobre el área de redes eléctricas de alta, media y baja tensión, red que se identificó en el estudio topográfico realizado para los diseños de la consultoría y que deben estar acorde a lo indicado en el Reglamento Técnico de Instalaciones eléctricas RETIE del 2024. Versión de la Resolución 40117 de abril de 2024 para redes en Cable Aislado. (Tabla 3.10.1. a. Distancias mínimas de seguridad en zonas con construcciones)

Teniendo en cuenta la topografía entregada por la alcaldía Municipal realizada en el mes de febrero de 2024 en donde se indica el área total del predio y las áreas de cada uno de los proyectos a ejecutar en el mismo y donde de igual manera se evidencia el área de retiro de la franja vial ya descontada del área del predio y su afectación por la red de media tensión, me permito indicar que en la topografía y las áreas allí plasmadas para el desarrollo de cada uno de los proyectos es el área total para cada uno de estos y las cuales pueden usar para el desarrollo de cada uno de los mismos. Debe tenerse

en cuenta los perfiles viales de las vías circundantes al predio para la construcción del Proyecto de la Casa Museo de la Memoria.

Teniendo en cuenta que, respecto al proceso en el cual nos encontramos referentes al E.O.T, me permito indicarles que no ha sido posible evidenciar en los documentos existentes los índices urbanísticos correspondientes. Por lo tanto, se debe tener en cuenta que toda edificación aislada deberá contar con un aislamiento como mínimo, en una distancia que corresponda a una distancia no mínima del total de la altura de la fachada. El aislamiento entre la nueva edificación existente y la nueva edificación nunca podrá ser menor de cinco (5) metros. Tener en cuenta el ara de aislamiento que tiene el Polideportivo ya que el aislamiento lateral estará dado por la franja de la reserva contra redes de media tensión de la red existente indicado en el RETIE. En referencia al índice de construcción y de ocupación teniendo en cuenta los proyectos implantados en el municipio de carácter dotacional se evidencia que el porcentaje máximo está en el 60% de ocupación y construcción y 40% en área libre.

El área para el desarrollo del proyecto es de 1538 M2. Sobre esta área se deben definir los aislamientos. Tenga en cuenta que el aislamiento sobre a red de media tensión ya se realizó a esta área predial. Ver Plano Predio.

7.0 PROGRAMA ARQUITECTÓNICO

Desde el Ministerio de Cultura, Las Artes y Los Saberes, según la información recolectada en los diferentes talleres con las beneficiarias, se estableció que la principal idea proyectual que se tiene para desarrollar la infraestructura es la de dirigir la narrativa a través una línea de tiempo. Esta estaría estructurada a través de dos líneas temáticas que son el territorio y sus habitantes; alimentando tres momentos relacionados con Mapiripán, antes, durante y después de los hechos. Esta idea es equiparable a la idea de recorrido en arquitectura. Así las cosas, se propone distribuir en tres ambientes la propuesta arquitectónica en una edificación, desarrollando un boceto arquitectónico acompañado del siguiente programa:

- Acceso (Mapiripán antes de los hechos)
- Sala de exhibición (Mapiripán durante de los hechos)
- Espacio polivalente
- Otros servicios (batería sanitaria, almacenamiento, cafetería)

Según lo anterior, atendiendo el programa arquitectónico solicitado, se propone lo siguiente, con su respectivo cuadro de áreas:



CASA MUSEO DE LA MEMORIA DE MAPIRIPÁN	
Nombre del área/Actividad	(MT2)
Sala de exposición 01	61.87
Sala de exposición 02	82.81
Café	8.97
Tanque	9.06
Vestíbulo	125.27
Taquilla	4.09
Cuarto Técnico	10.29
Baño PMR	4.52
Baño mujeres	10.51
Baño Hombres	10.72
Auditorio / Aula múltiple	96.34
	424.45
TOTAL ÁREAS ÚTILES (M2)	424.45
MUROS/ FACHADA/ ESTRUCTURA (M2)	75.34
CIRCULACIONES CUBIERTAS (M2)	13.53
TOTAL ÁREA CONSTRUÍDA (M2)	513.32
CIRCULACIONES LIBRES (M2)	116.52
ÁREAS LIBRES DESCUBIERTAS (M2)	248.85

8.0 PROYECTO ARQUITECTÓNICO

La implantación del proyecto está pensada desde su relación con el río Guaviare, a través de un muro, que está orientado en sentido norte-sur y que conecta visualmente con el río.



Render acceso

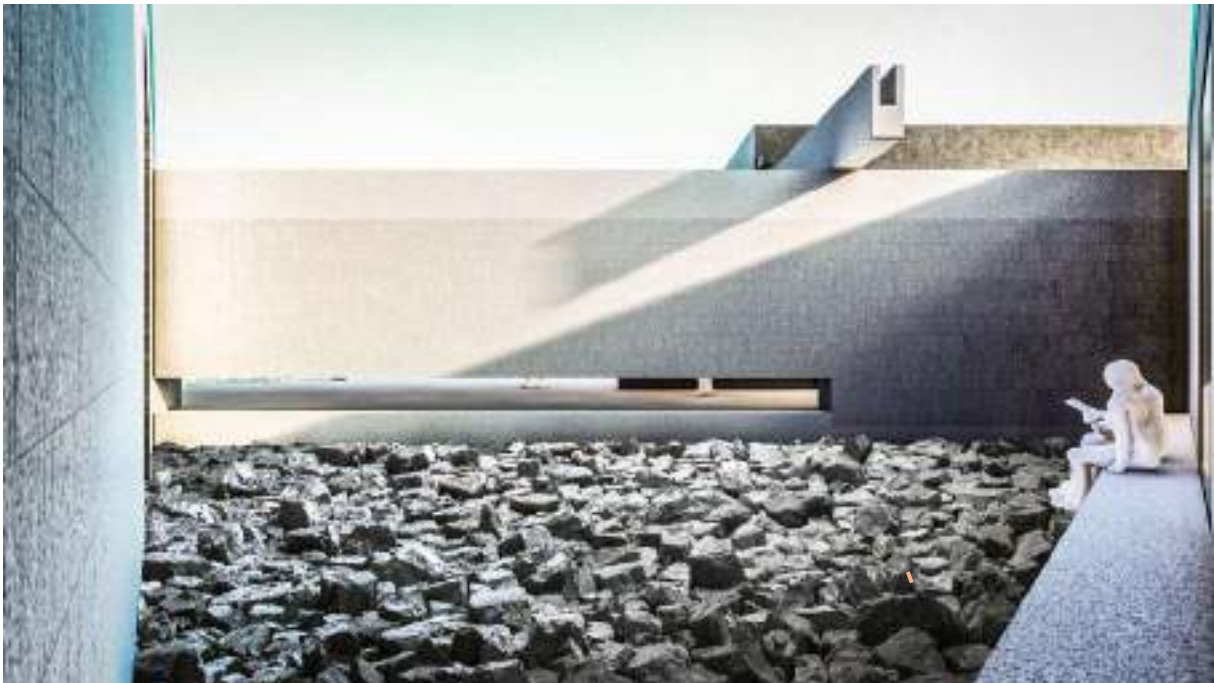


Render circulación interior "PATIO DEL ANTES"

La línea de tiempo se mantiene y se desarrolla a través de los espacios en el recorrido del edificio para así “narrar los hechos a través del espacio mismo.”



Render sala de exposición “DURANTE”



Render patio de la memoria



Render transición entre salas de exposición



Render sala de exposición "DESPUÉS"



Render sala de exposición "DESPUÉS"



Render plaza del polideportivo



Render plaza exterior



Render jardín exterior

9.0 CONCLUSIONES

Objetivo del Contrato: El contrato de consultoría N°4264 de 2023 tiene el propósito de realizar estudios técnicos y proyectos para construir un monumento en Mapiripán, Meta.

Compromiso Institucional: La Alcaldía de Mapiripán, el Ministerio de Cultura, Las Artes y Los Saberes, y la Cancillería están comprometidos a cumplir una medida dictada por la Corte Interamericana de Derechos Humanos, orientada a la reparación de las víctimas.

Propuesta de las Víctimas: Las víctimas han propuesto un espacio habitable que se materializa en un Museo de Memoria, denominado CASA CULTURAL MUSEO DE LA MEMORIA DE MAPIRIPÁN.

Programa Arquitectónico: La propuesta arquitectónica para el monumento incluye tres áreas principales: el acceso como “Grieta del tiempo”, las salas de exhibición y un espacio polivalente, además de servicios adicionales como baños, almacenamiento y cafetería, los cuáles se desarrollan a través de diferentes espacios temáticos, destacando su pasado, presente y futuro en relación con los eventos significativos.

Diseño del Proyecto: El diseño del proyecto arquitectónico está pensado para relacionarse con el río Guaviare mediante un muro orientado en sentido norte-sur, que conecta visualmente con el río, integrando así el contexto natural en la propuesta.

Enfoque en la Reparación de Víctimas: El proyecto del monumento en Mapiripán está enfocado en reparar y reconocer a las víctimas, siguiendo una orden de la Corte Interamericana de Derechos Humanos.

Cultura y Naturaleza: Mapiripán es una región con rica diversidad cultural e histórica, incluyendo resguardos indígenas y referencias literarias, las cuales se reflejan en el diseño y la intención del proyecto.

Impacto Cultural y Educativo: El monumento no solo servirá como un lugar de memoria y reparación, sino también como un centro cultural y educativo, promoviendo la divulgación de expresiones culturales y la reflexión sobre la historia de la región.

MEMORIA DE DISEÑO ESTRUCTURAL

CONTRATO DE CONSULTORÍA No. 4264 DE 2023

MINISTERIO DE CULTURA

OBJETO:

“REALIZAR LA CONTRATACIÓN DE LAS CONSULTORÍAS PARA LA EJECUCIÓN DE LOS ESTUDIOS TÉCNICOS Y PROYECTOS PARA LA CONSTRUCCIÓN DE MONUMENTO EN MAPIRIPÁN, META”

Informe de Diseño Estructural

ENTREGA	REVISIÓN	OBSERVACIONES
INFORME		VERSIÓN INICIAL

Realizó	ING. PEDRO PORRAS	Firma Pedro Porras Firmado digitalmente por Pedro Porras
	M.P: 25202-099232CND	

BOGOTÁ D.C. – CUNDINAMARCA

SEPTIEMBRE 2023

TABLA DE CONTENIDO.

1. DESCRIPCIÓN DEL PROYECTO	4
2. ESPECIFICACIONES	4
3. GENERALIDADES	4
3.1 Estructura	4
3.2 Cimentación	4
3.3 Análisis Sísmico	4
3.4 Zona De Amenaza Sísmica	4
3.5 Programa Utilizado	5
3.6 Coeficiente de Disipación de Energía (Ro)	5
4. MATERIALES	5
4.1 Concreto de vigas, columnas, losas y cimentación.	5
4.2 Madera de cubierta.....	5
4.3 Acero de Refuerzo	5
5. AVALÚO DE CARGAS	6
5.1 Carga Muerta.....	6
5.2 Carga Viva.	6
5.3 Resumen Avalúo de Cargas.	6
5.4 Espectro de Diseño.	7
5.5 Cargas Por Sismo.....	8
5.6 Combinaciones de carga.	10
6. IRREGULARIDADES.....	11
6.1 Irregularidades en planta.	11
6.2 Irregularidades en altura.....	11

6.3	<i>Coeficiente de Ausencia de Redundancia.....</i>	12
6.4	<i>Coeficiente de disipación de Energía.....</i>	12
7.	MODELACIÓN.....	12
8.	DIMENSIONAMIENTO Y DISEÑO ESTRUCTURAL.....	14
8.1	<i>Cimentación.....</i>	14
8.1.1	<i>Diseño de Zapatas.....</i>	14
Revisión a Flexión:		14
Revisión a Corte:		15
8.2	<i>Columnas.....</i>	16
8.3	<i>Vigas.....</i>	16
9.	DERIVAS.....	17
ANEXOS		18

1. DESCRIPCIÓN DEL PROYECTO

Se configura una estructura de pórticos resistentes a momento con capacidad de disipación de energía moderada (DMO), de acuerdo con lo permitido en la Tabla A.3-3 numeral 2 del Reglamento Colombiano de Construcción Sismo Resistente NSR-10.

2. ESPECIFICACIONES

El Diseño Estructural de la edificación se basó en los siguientes documentos y especificaciones técnicas de diseño:

- Reglamento Colombiano de Construcción Sismo Resistente NSR-10.
- Estudio de Suelos Contrato de Consultoría No. 4264 de 2023 Ministerio de Cultura, Informe de Suelo Previo, Ingeniería Geotécnica – GEOLAB S.A.S, Revisión C. Enero 2024. 58 folios.

3. GENERALIDADES

3.1 Estructura

La edificación cuenta con un sistema de resistencia sísmica de acuerdo con la tabla A.3-1 del reglamento de pórticos en concreto reforzado, disipación de energía moderada, zona de amenaza sísmica baja.

3.2 Cimentación

De acuerdo con el estudio de suelos y la magnitud de cargas se utiliza una cimentación superficial compuesta por zapatas aisladas encargadas de transmitir cargas no superiores a 11.7 Ton/m².

3.3 Análisis Sísmico

Se utiliza el método de análisis dinámico elástico, según las especificaciones del capítulo A.5 del Reglamento Sismo Resistente (NSR-10).

3.4 Zona De Amenaza Sísmica

El proyecto se encuentra localizado en municipio de Mapiripan, departamento de Meta, por lo tanto, el espectro de diseño está regido por el Reglamento Colombiano de Construcción Sismo Resistente NSR-10 en su capítulo A.2 y de acuerdo, con el estudio de suelos se tiene un perfil de suelo tipo D con un coeficiente de aceleración pico efectiva $A_a = 0.05$ y coeficiente de velocidad pico efectiva $A_v = 0.05$. Su zona de riesgo sísmico es BAJA.

3.5 Programa Utilizado

Para la realización del modelo matemático y análisis de la estructura se utilizó el programa ETABS 2016.

3.6 Coeficiente de Disipación de Energía (R_o)

Según lo establecido en la tabla A.3-3 de la NSR-10, para el sistema utilizado se usa un coeficiente de disipación de energía R_o de 5.0.

4. MATERIALES

Los materiales existentes tienen las siguientes especificaciones:

4.1 Concreto de vigas, columnas, losas y cimentación.

$$f'_c = 21\text{MPa} (210\text{kg/cm}^2).$$

$$E_c = 21538 \text{ MPa}$$

$$\nu = 0.20$$

$$\gamma = 2400 \text{ Kg/m}^3$$

4.2 Madera de cubierta.

GRUPO= ES5

$$F_b = 15\text{MPa} (150\text{kg/cm}^2).$$

$$F_t = 11\text{MPa} (110\text{kg/cm}^2).$$

$$F_c = 13\text{MPa} (130\text{kg/cm}^2).$$

$$F_p = 2\text{MPa} (20\text{kg/cm}^2).$$

$$F_v = 1.1\text{MPa} (11\text{kg/cm}^2).$$

$$E_{0.5} = 11200\text{MPa}$$

$$E_{0.05} = 8250\text{MPa}$$

$$E_{min} = 4435\text{MPa}$$

4.3 Acero de Refuerzo

Refuerzo Longitudinal y Transversal (Corrugado)

$$F_y = 420\text{MPa}.$$

$$E_s = 200\text{GPa}.$$

5. AVALÚO DE CARGAS

5.1 Carga Muerta.

El peso propio de las columnas, vigas se tiene en cuenta en el modelo de análisis por computador a través de los materiales y secciones como parte del peso propio del modelo. Adicionalmente al peso propio de los elementos estructurales se tiene en cuenta las siguientes cargas sobre impuestas por unidad de área:

CARGA MUERTA SOBRE IMPUESTA

Carga	w [ton/m ² - ton/m - ton]	A , L [m ² - m]	A Mano [ton]	ETABS [ton]	Error
Acabados (Cub. Liviana)	0.02	346.61	6.93	6.93	0.00%
Acabados (Placa Cubierta)	0.11	114.27	12.57	12.57	0.00%
Cielo Raso (Cub. Liviana)	0.05	347.29	17.36	17.36	0.00%
Cielo Raso (Placa Cubierta)	0.07	114.27	8.00	8.00	0.00%
Impermeabilización	0.03	113.36	2.83	2.83	0.00%
		Σ	47.70	47.70	0.00%

5.2 Carga Viva.

Las cargas vivas que se incluyeron en el análisis, y se determinaron a criterio del ingeniero estructural cumpliendo con las especificaciones mínimas del numeral B.4.2 de las NSR-10, como se muestra a continuación.

CARGA VIVA

Carga	w [ton/m ² - ton/m - ton]	A , L [m ² - m]	A Mano [ton]	ETABS [ton]	Error
Viva Cubierta Plana	0.18	113.71	20.47	20.47	0.00%
Viva Cubierta Liviana	0.05	347.29	17.36	17.36	0.00%
		Σ	37.83	37.83	0.00%

5.3 Resumen Avalúo de Cargas.

Las cargas en su totalidad se incluyeron dentro del modelo de análisis o como peso propio de los elementos estructurales, como cargas sobre impuestas por unidad de área o por unidad de longitud obteniendo así resultados directos.

Carga Vertical Total

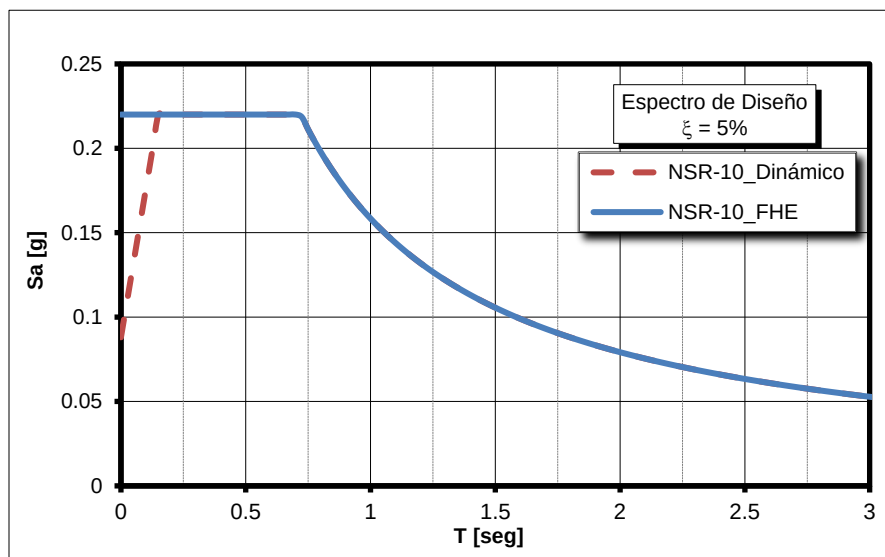
	A Mano [ton]	ETABS [ton]	Error
Carga Muerta [ton]	265.48	265.48	0.00%
Carga Viva [ton]	37.83	37.83	0.00%
Σ	303.31	303.31	0.00%

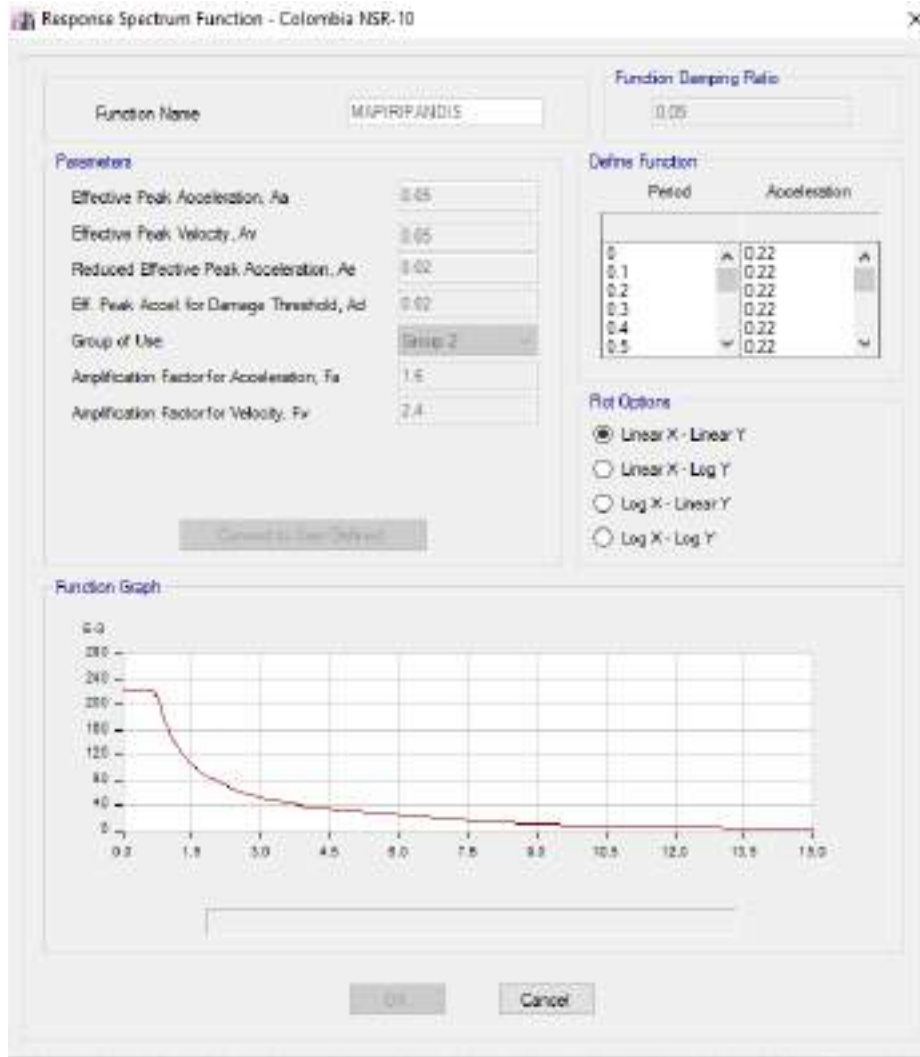
5.4 Espectro de Diseño.

De acuerdo con lo especificado en el Reglamento Colombiano de Construcción Sismo Resistente NSR-10 se tienen los siguientes coeficientes con los que se establece el espectro de diseño que se muestra a continuación:

	NSR-10
Aa	0.05
Av	0.05
I	1.10
Perfil de suelo	D
Fa	1.60
Fv	2.40
T ₀	0.15
T _C	0.72
T _L	5.76
R ₀	5.00

Altura de La estructura	h _n [m]	4.40
-------------------------	--------------------	------





5.5 Cargas Por Sismo.

Dado el comportamiento dinámico de la estructura se tienen periodos fundamentales alrededor de los 0.296 seg para el cual obtenemos un S_a de 0.22g para espectro de diseño de NSR-10. Para efectos de poder verificar los cortantes basales se realizó análisis de fuerza horizontal equivalente que se realiza directamente en el programa, para luego realizar el ajuste espectral al 90% de la Fuerza Horizontal Equivalente.

Periodos Definitivos en Cada Dirección

Tx [seg]	0.29
Ty [seg]	0.29

T _{DEF} [seg]	0.286
Aceleración espectral	
Sa NSR-10	0.220 g
K =	1.00

ANALISIS SISMICO NSR-10

Nivel	W [ton]	h [m]	h acum. [m]	W* h _{acm} ^K	Cv	Fi [ton]
STORY2	189.16	0.90	4.40	832.30	0.818	43.56
STORY1	52.77	3.50	3.50	184.69	0.182	9.67
Σ =	241.93			1016.99	1.000	53.22

Cortante Sísmico en la Base

Vs [ton]	53.22
----------	-------

	Manual	ETABS	
Nivel	Fi [ton]		Δ%
STORY2	43.56	43.56	0.00%
STORY1	9.67	9.67	0.00%
Σ =	53.22	53.22	0.00%

ANALISIS ESPECTRAL

	Sismo X			Sismo Y		
Nivel	Fix [ton]	Fiy [ton]	Fi [ton]	Fix [ton]	Fiy [ton]	Fi [ton]
STORY2	27.613	22.022	35.32	21.736	24.904	33.06
STORY1	6.23	4.86	7.90	5.14	5.31	7.39
Σ	33.85	26.88	43.22	26.88	30.21	40.45

	Vs [ton] Espectral	0.9*Vs FHE [ton]	Factor de Ajuste	Vs [ton] Espectral Ajustado
Sismo X	43.22	47.90	1.11	47.90
Sismo Y	40.45	47.90	1.18	47.90

ANALISIS ESPECTRAL AJUSTADO

Nivel	Sismo X			Sismo Y		
	Fix [ton]	Fiy [ton]	Fi [ton]	Fix [ton]	Fiy [ton]	Fi [ton]
STORY2	30.593	24.399	39.13	25.735	29.485	39.14
STORY1	6.906	5.381	8.75	6.089	6.284	8.75
Σ	37.50	29.78	47.89	31.82	35.77	47.89

	Vs [ton] Espectral	0.9*Vs FHE [ton]	Factor de Ajuste	Vs [ton] Espectral Ajustado
Sismo X	47.89	47.90	1.00	47.90
Sismo Y	47.89	47.90	1.00	47.90

5.6 Combinaciones de carga.

De acuerdo con NSR-10, B.2 se tienen las siguientes combinaciones de carga:

Combinaciones para Derivas:

NOMBRE	CMUERTA	CVIVA	% de F_{ix-xx}	$F_x - F_{xx}$	% de F_{iy-yy}	$F_y - F_{yy}$
DER0	1					
DER1	1	1				
DER2	1	0.75	75.0%	0.750	22.5%	0.225
DER3	1	0.75	22.5%	0.225	75.0%	0.750
DER4	0.6		100%	1.000	30%	0.300
DER5	0.6		30%	0.300	100%	1.000

Tabla 6. Combinaciones de Carga para revisar derivas.

$$*EQ = F_{EQ}$$

Combinaciones para Diseño:

NOMBRE	CMUERTA	CVIVA	% de F_{ix-xx}	$F_x - F_{xx}$	% de F_{iy-yy}	$F_y - F_{yy}$
COMB0	1.4					
COMB1	1.2	1.6				
COMB2	1.2	1	100%	1.00	30%	0.30
COMB3	1.2	1	30%	0.30	100%	1.00
COMB4	0.9		100%	1.00	30%	0.30
COMB5	0.9		30%	0.30	100%	1.00

Tabla 7. Combinaciones de Carga para diseño.

$$*EQ = F_{EQ}/R$$

Combinaciones de servicio para Cimentación:

NOMBRE	CMUERTA	CVIVA	% de F_{ix-xx}	$F_x - F_{xx}$	% de F_{iy-yy}	$F_y - F_{yy}$
CIM0	1					
CIM1	1	1				
CIM2	1	0.75	52.5%	0.525	15.75%	0.1575
CIM3	1	0.75	15.75%	0.1575	52.5%	0.525
CIM4	0.6		70.0%	0.700	21.0%	0.210
CIM5	0.6		21.0%	0.210	70.0%	0.700

Tabla 8. Combinaciones de Carga para revisar y diseño de cimentación.

$$*EQ = F_{EQ}/R$$

6. IRREGULARIDADES.

6.1 Irregularidades en planta.

Acorde con las NSR-10 Tabla A.3-6 las irregularidades en planta que existen para la estructura son:

IRREGULARIDADES EN PLANTA	SI / NO
Irregularidad Torsional	SI
Retrocesos en las Esquinas	NO
Irregularidad en Diafragma	NO
Desplazamiento en plano de acción	NO
Sistemas No Paralelos	NO
$\Phi_p =$	0.9

De acuerdo con lo anterior no se presenta irregularidad de este tipo en la estructura.

Por lo que $\phi_p = 0.9$.

6.2 Irregularidades en altura.

Acorde con las NSR-10 Tabla A.3-7, las irregularidades en altura que existen para la estructura son:

IRREGULARIDADES EN ALTURA	SI / NO
Piso Flexible	NO
Distribución de Masa	NO
Geométrica	NO
Desplazamiento en el Plano de Acción	NO
Piso Débil	NO
$\Phi_a =$	1.0

De acuerdo con lo anterior no se presenta irregularidad de este tipo en la estructura.

Por lo que $\phi_a = 1.0$.

6.3 Coeficiente de Ausencia de Redundancia.

REDUNDANCIA	SI / NO
Ausencia de Redundancia	SI
$\Phi_r =$	0.75

6.4 Coeficiente de disipación de Energía.

Acorde con el sistema estructural y la zona de amenaza sísmica permitida se tiene:

DMO $R_o =$	5.00	NSR-10, Referencia Tabla A.3-3
-------------	------	-----------------------------------

Cálculo de factor de disipación de energía final de la estructura:

$$R = R_o \cdot \phi_a \cdot \phi_p \cdot \phi_r \rightarrow R = 5.00 * 0.90 * 1.00 * 0.75 = 3.375$$

7. MODELACIÓN.

Para el análisis se realiza un modelo con los materiales y secciones propias de cada elemento. Para la modelación de las vigas y columnas se utilizaron elementos tipo "Frame", para la modelación de placas se utilizaron membranas modeladas solo para la repartición de cargas. En el anexo "Datos de Modelo" se muestra el resumen que arroja el programa acerca de la modelación. A continuación, se muestra la figura del modelo que da una idea más general de cómo se realizó la modelación:

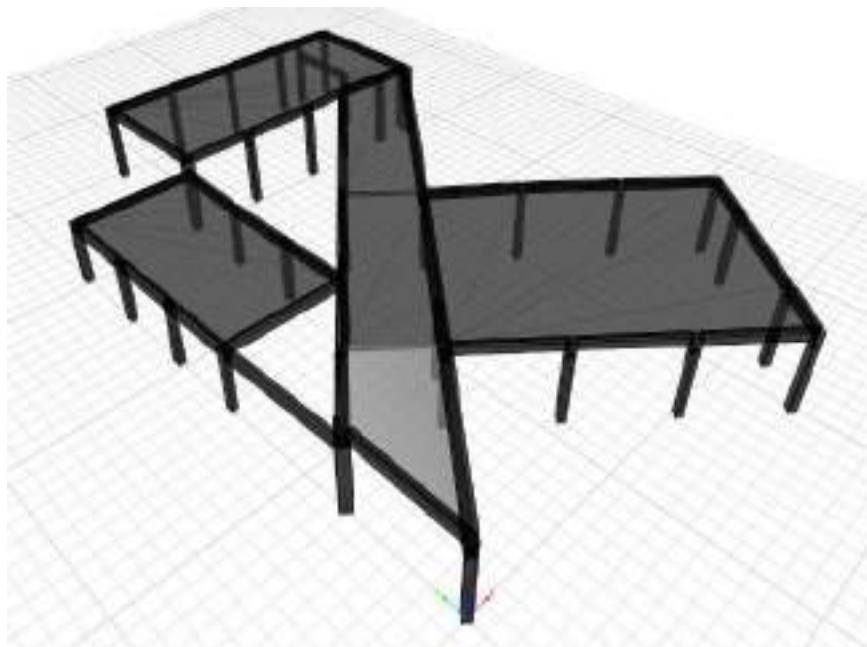


Ilustración 1 Vista tridimensional modelo matemático
Fuente: PROPIA

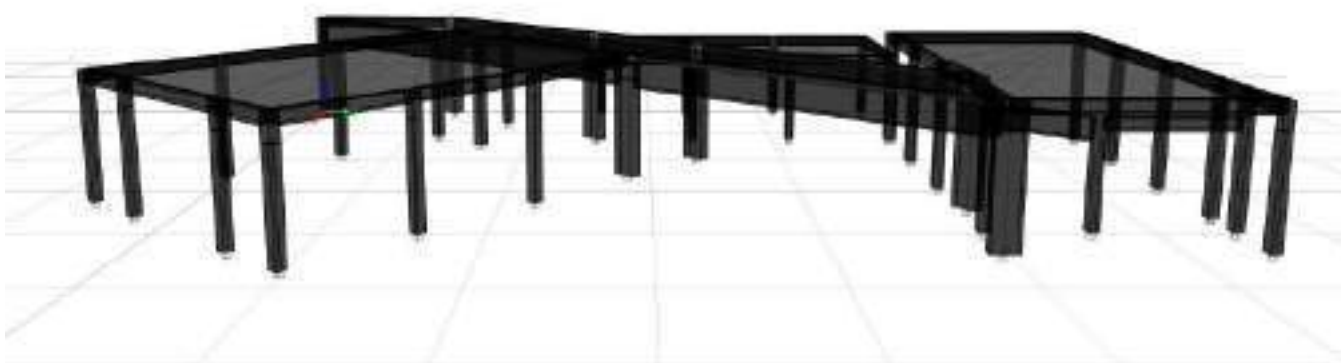


Ilustración 2 Vista frontal modelo matemático
Fuente: PROPIA

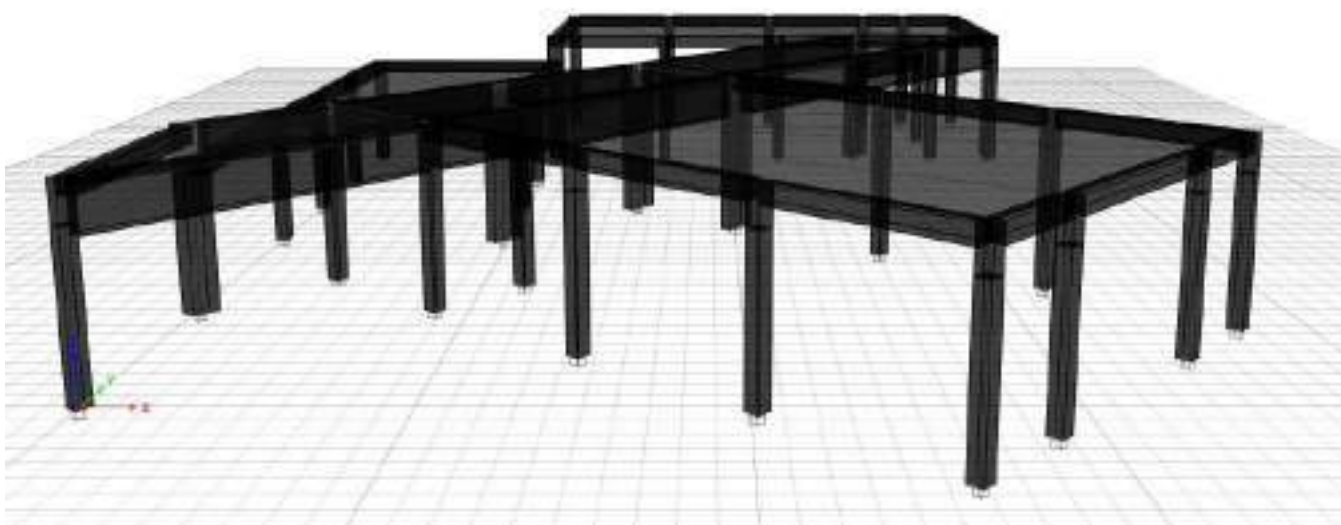


Ilustración 3 Vista lateral modelo matemático
Fuente: PROPIA

8. DIMENSIONAMIENTO Y DISEÑO ESTRUCTURAL.

8.1 Cimentación

De acuerdo con el estudio de suelos y la magnitud de cargas se utiliza la cimentación superficial compuesta con zapatas aisladas a 1.5 metros de profundidad.

Efectos Locales.

Perfil de suelo NSR-10: D

Zona de amenaza sísmica: Baja

Capacidad portante: 11.70 Ton/m².

8.1.1 Diseño de Zapatas

Recomendaciones del estudio de suelo:

Profundidad de Cimentación.

La cimentación es superficial compuesta por zapatas aisladas a 1.50 metros de profundidad.

Sistema de Cimentación.

El sistema de cimentación consiste en columnas apoyadas sobre zapatas aisladas amarradas con vigas.

Según el análisis efectuada, se encuentra que las zapatas aisladas deben estar dimensionadas de tal forma que éstas no ejercen presiones mayores a 11.70 Ton/m² respectivamente, que es la capacidad portante del suelo de cimentación. Los datos completos se encuentran en los anexos correspondientes a cimentación de este documento.

Revisión a Flexión:

Las zapatas se revisaron para sollicitación dada por la capacidad máxima del suelo definida como el esfuerzo admisible según presión de contacto que debe ser menor a 11.70 Ton/m² multiplicado por los respectivos factores de mayoración según título B de la NSR-10 actuando como una carga distribuida desde el borde de la columna sobre una placa trabajando en una dirección.

De acuerdo con la metodología de resistencia última la resistencia a flexión está dada por:

$$\phi M_n = \phi \cdot \rho \cdot F_y \cdot \left(1 - 0.59 \cdot \rho \cdot \frac{F_y}{f'_c} \right) \cdot B \cdot d^2$$

$$\rho = \frac{A_s}{B \cdot d}$$

Dónde:

$\phi = 0.9$ (Según Título C de las NSR-10)

$\phi M_n > M_u$

Revisión a Corte:

Punzonamiento

De acuerdo con la metodología de resistencia última la resistencia al corte actuando sobre un área $b_o \cdot d$ está dada por la capacidad del concreto definida para este efecto como la menor entre:

$$\phi_{vc} = \phi \cdot \frac{\sqrt{f'_c}}{6} \cdot \left(1 + \frac{2}{\beta_c} \right)$$

$$\phi_{vc} = \phi \cdot \frac{\sqrt{f'_c}}{6} \cdot \left(1 + \frac{\alpha_s \cdot d}{2 \cdot b_o} \right)$$

$$\phi_{vc} = \phi \cdot \frac{\sqrt{f'_c}}{3}$$

Donde:

$\phi = 0.85$ (Según Título C de las NSR-10)

β_c = Es la relación entre el lado largo y el lado corto de la columna.

α_s = Tiene un valor de 40 para columnas interiores, de 30 para columnas de borde y de 20 para columnas de esquina.

Actuando como placa en una dirección.

De acuerdo con la metodología de resistencia última la resistencia al corte está dada por:

$$\phi V_c = \phi \cdot \frac{\sqrt{f'_c}}{6} B \cdot d$$

Donde:

$\phi = 0.75$ (Según Título C de las NSR-10)

8.2 Columnas

El análisis de estos elementos sometidos principalmente a Flexo-Compresión y Cortante se gobierna por dos criterios esencialmente: el primero es que tengan las características de resistencia suficiente dadas las solicitaciones de cargas y segundo que tenga los detalles del refuerzo necesarios para que la estructura tenga la capacidad de disipación energía suficiente.

Análisis a Flexo-Compresión:

Para el análisis a flexo-compresión se obtuvo la curva de interacción para cada una de las secciones, en cada una de estas curvas se tuvo en cuenta las combinaciones de diseño.

Análisis por Corte:

- De acuerdo con la metodología utilizada, la resistencia al corte está dada por la capacidad del concreto más la capacidad del refuerzo, esta capacidad está dada por:

$$\phi V_c = \phi \cdot \frac{\sqrt{f'_c}}{6} B \cdot d \quad \phi V_s = \phi \cdot \frac{A_s \cdot F_y \cdot d}{s} \quad \phi V_m = \phi V_c + \phi V_s$$

Dónde: $\phi = 0.75$ (Según Título C de las NSR-10).

8.3 Vigas.

El análisis de estos elementos sometidos principalmente a Flexión y Cortante se gobierna por dos criterios esencialmente: el primero es que tenga las características de resistencia suficiente dadas las solicitaciones de cargas y segundo que tenga los detalles del refuerzo necesarios para que la estructura tenga la capacidad de disipación de energía suficiente.

Revisión de Carga Axial.

Se revisó que la carga axial estuviera por debajo de 10% de f'_c , lo que garantiza que el esfuerzo axial tanto a tracción y a compresión es despreciable y su diseño lo va a gobernar las solicitaciones de flexión.

Análisis a Flexión.

De acuerdo con la metodología de resistencia ultima la resistencia a flexión está dada por:

$$\phi M_n = \phi \cdot \rho \cdot F_y \cdot \left(1 - 0.59 \cdot \rho \cdot \frac{F_y}{f'_c} \right) \cdot B \cdot d^2 \quad \rho = \frac{A_s}{B \cdot d}$$

Donde: $\phi = 0.9$ (Según Titulo C de las NSR-10)

Análisis a Corte.

De acuerdo con la metodología de resistencia ultima, la resistencia al corte está dada por la capacidad del concreto más la capacidad del refuerzo, como se presenta a continuación:

$$\phi V_c = \phi \cdot \frac{\sqrt{f'_c}}{6} B \cdot d$$

$$\phi V_s = \phi \cdot \frac{A_s \cdot F_y \cdot d}{s}$$

$$\phi V_m = \phi V_c + \phi V_s$$

Dónde: $\phi = 0.75$ (Según Titulo C de las NSR-10)

9. DERIVAS.

Para edificaciones de un solo nivel, de acuerdo con lo permitido en A.6.4.1.5 de NSR-10, NO hay límites de deriva en edificaciones de un piso.

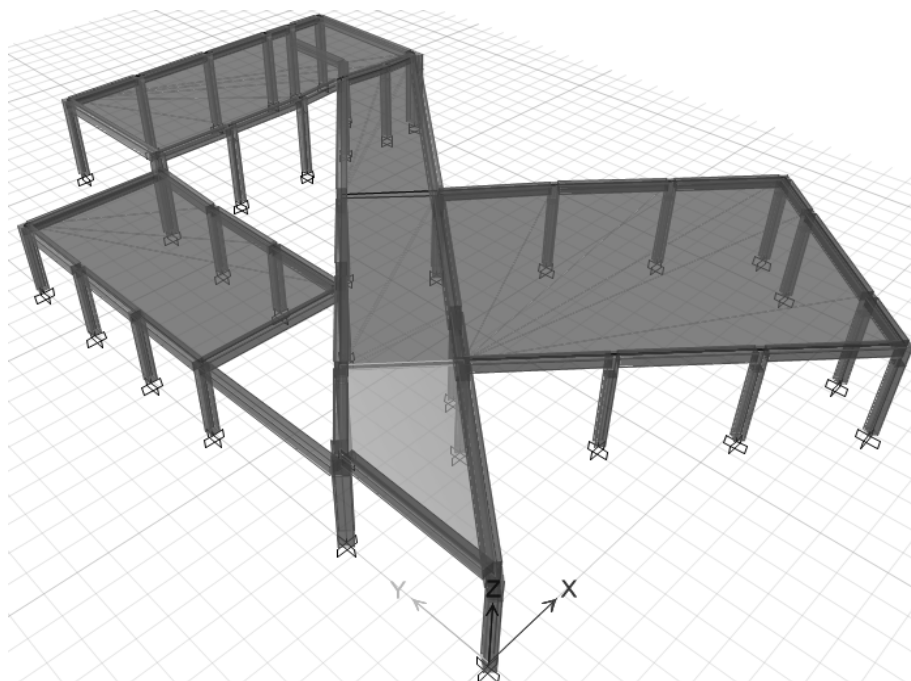
ANEXOS

VERIFICACIÓN

DATOS PARA ANÁLISIS ESTRUCTURAL - MONUMNETO DE MEMORIA, MAPIRIPAN

GEOMETRÍA

MODELO ESTRUCTURAL



SECCIONES

SECCIÓN	TIPO
V40X40	VIGA
V30X40	VIGA
V40X112	VIGA
V40X70	VIGA
PL22	PLACA

SECCIÓN	TIPO
C35X35	COLUMNA
C35X90	COLUMNA
C50X65	COLUMNA
C30X40	COLUMNA
C40X50	COLUMNA
C-35X60	COLUMNA

MATERIALES

CONCRETO CIMENTACIÓN		CONCRETO PLACAS, VIGAS Y COLUMNAS		ACERO REFUERZO	
$f'c$ [MPa]	21	$f'c$ [MPa]	21	f_y [MPa]	420
E_c [MPa]	21538	E_c [MPa]	21538	E_s [MPa]	200000

AVALÚO DE CARGAS

CARGA MUERTA

	[kg/m ²]	[kg/m]
Acabados (Cub. Liviana)	20	
Acabados (Placa Cubierta)	110	
Cielo Raso (Cub. Liviana)	50	
Cielo Raso (Placa Cubierta)	70	
Impermeabilización	25	

CARGA VIVA

	[kg/m ²]	[kg/m]
Viva Cubierta Plana	180	
Viva Cubierta Liviana	50	

VERIFICACION CARGA VERTICAL MODELO

PESO PROPIO

Columnas

Seccion	B [m]	H[m]	L[m]	W [ton]
C35X35	0.35	0.35	109	32.05
C35X90	0.35	0.90	22	16.63
C50X65	0.50	0.65	4.4	3.43
C30X40	0.30	0.40	3.5	1.01
C40X50	0.40	0.50	4.4	2.11
C-35X60	0.35	0.60	4.4	2.22
Σ				57.45

Vigas y Viguetas

Seccion	B [m]	H[m]	L[m]	F.M.	W [ton]
V40X40	0.4	0.4	133.75	0.92	47.32
V30X40	0.3	0.4	6.33	0.93	1.69
V40X112	0.4	1.12	33.19	0.94	33.65
V40X70	0.4	0.7	29.67	0.88	17.64
Σ				0.92	100.30

Placas y Muros

Seccion	t [m]	w [ton/m ²]	A [m ²]	W [ton]
PL22	0.22	0.53	113.7	60.04
Σ				60.04

	A Mano [ton]	ETABS [ton]	Error
Peso Propio Estructura [ton]	217.78	217.78	0.00%

CARGA MUERTA SOBRE IMPUESTA

Carga	w [ton/m ² - ton/m - ton]	A , L [m ² - m]	A Mano [ton]	ETABS [ton]	Error
Acabados (Cub. Liviana)	0.02	346.61	6.93	6.93	0.00%
Acabados (Placa Cubierta)	0.11	114.27	12.57	12.57	0.00%
Cielo Raso (Cub. Liviana)	0.05	347.29	17.36	17.36	0.00%
Cielo Raso (Placa Cubierta)	0.07	114.27	8.00	8.00	0.00%
Impermeabilización	0.03	113.36	2.83	2.83	0.00%
Σ			47.70	47.70	0.00%

CARGA VIVA

Carga	w [ton/m ² - ton/m - ton]	A , L [m ² - m]	A Mano [ton]	ETABS [ton]	Error
Viva Cubierta Plana	0.18	113.71	20.47	20.47	0.00%
Viva Cubierta Liviana	0.05	347.29	17.36	17.36	0.00%
Σ			37.83	37.83	0.00%

Carga Vertical Total

	A Mano [ton]	ETABS [ton]	Error
Carga Muerta [ton]	265.48	265.48	0.00%
Carga Viva [ton]	37.83	37.83	0.00%
Σ	303.31	303.31	0.00%

IRREGULARIDADES

Irregularidades en planta

Irregularidad Torsional:

SISMO X				SISMO Y			
PUNTO	X [m]	Y [m]	Δ [m]	PUNTO	X [m]	Y [m]	Δ [m]
23	0.00189	-0.00071	0.00202	36	-0.00121	0.00235	0.00265
35	0.00287	-0.00073	0.00296	35	-0.00180	0.00303	0.00352
36	0.00428	-0.00205	0.00475	41	-0.00181	0.00302	0.00352
41	0.00406	-0.00205	0.00454	23	-0.00016	0.00234	0.00235

Irregularidad Torsional en Y						
PUNTOS	Δ1 [m]	Δ2 [m]	criterios		VERIFICACIÓN	
			C1 [m]	C2 [m]		
			1.2 (Δ1+Δ2)/2	1.4 (Δ1+Δ2)/2	1aP	1bP
23-35	0.00202	0.00296	0.00299	0.00349	Ok!!!	Ok!!!
35-36	0.00296	0.00475	0.00463	0.00540	IRREGULAR	Ok!!!
36-41	0.00475	0.00454	0.00557	0.00650	Ok!!!	Ok!!!
41-23	0.00454	0.00202	0.00394	0.00459	IRREGULAR	Ok!!!

Irregularidad Torsional en X						
PUNTOS	Δ1 [m]	Δ2 [m]	criterios		VERIFICACIÓN	
			C1 [m]	C2 [m]		
			1.2 (Δ1+Δ2)/2	1.4 (Δ1+Δ2)/2	1aP	1bP
36-35	0.00265	0.00352	0.00370	0.00432	Ok!!!	Ok!!!
35-41	0.00352	0.00352	0.00423	0.00493	Ok!!!	Ok!!!
41-23	0.00352	0.00235	0.00352	0.00411	IRREGULAR	Ok!!!
23-35	0.00235	0.00352	0.00352	0.00411	IRREGULAR	Ok!!!

Según lo anterior SI se presenta Irregularidad Torsional Tipo 1aP

Torsión Accidental

δmax_x [m]=	0.00475	δmax_y [m]=	0.00352
1.2δprom=	0.004	1.2δprom=	0.004
Ay=	1.784	Ax=	1.000
Torsion y =	8.9%	Torsion x =	5.0%

Retrocesos en las esquinas

A [m]=	N/A	Ok!!!
B [m]=	N/A	
C [m]=	N/A	
D [m]=	N/A	

Según lo anterior NO se presenta irregularidad por retrocesos en las esquinas.

Irregularidades en el diafragma:

1) CxD > 0.5 A x B			2) (C x D x E) > 0.5A x B		
A [m] =	N/A	Ok!!!	A [m] =	N/A	Ok!!!
B [m] =	N/A		B [m] =	N/A	
C [m] =	N/A		C [m] =	N/A	
D [m] =	N/A		D [m] =	N/A	
			E [m] =	N/A	

Según lo anterior NO se tiene irregularidad en el diafragma.

Desplazamientos de los planos de acción:

Esta irregularidad NO APLICA para esta estructura ya que no existen discontinuidades en las trayectorias de las fuerzas inducidas por el sismo.

Desplazamientos de los planos de acción:

Sistemas no paralelos:

Esta irregularidad NO APLICA para esta estructura ya que no existen discontinuidades en los ejes paralelos del sistema estructural.

Irregularidades en Altura

Piso flexible:

Esta irregularidad "No Aplica para la edificación ya que todos lo elementos verticales son continuos en toda la altura del edificio.

Distribución de masa:

Masa piso superior [kg-masa] =	N/A	Ok!!!
Masa piso inferior [kg-masa] =	N/A	
Masa piso analizado [kg-masa] =	N/A	

Según lo anterior NO se tiene irregularidad por Distribución de masa.

Irregularidad geométrica:

a [m] =	N/A	Ok!!!
b [m]=	N/A	

Según lo anterior NO se tiene irregularidad por Distribución de masa.

Desplazamientos dentro del plano de acción de la carga:

a [m]=	N/A	Ok!!!
b [m]=	N/A	

Según lo anterior NO se tiene irregularidad por Distribución de masa.

Piso débil:

		Piso débil	Piso débil extremo
Area de columnas piso analizado [m2]=	N/A	Ok!!!	Ok!!!
Area de columnas piso superior [m2]=	N/A		

Según lo anterior NO se presenta irregularidad por Piso Débil.

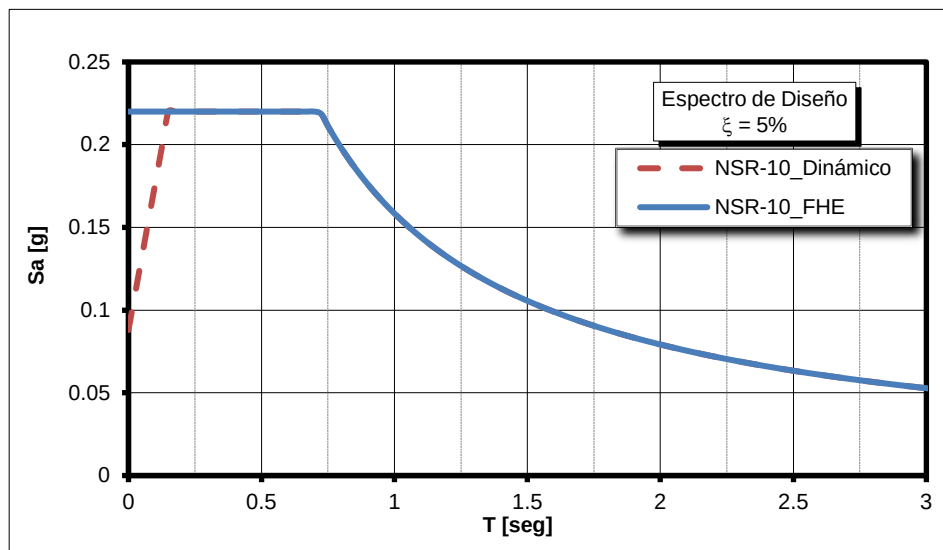
Irregular

CALCULO FUERZA HORIZONTAL EQUIVALENTE

PARAMETROS SISMICOS

	NSR-10
Aa	0.05
Av	0.05
I	1.10
Perfil de suelo	D
Fa	1.60
Fv	2.40
T ₀	0.15
T _C	0.72
T _L	5.76
Ro	5.00

Altura de La estructura	hn [m]	4.40
-------------------------	--------	------



Según el análisis modal se tiene que:

T1 [seg]	0.296
----------	-------

T2 [seg]	0.296
----------	-------

Norma NSR - 10 ; Cap. A.4

Ct	0.047
α	0.90
Ta [seg]	0.18
Cu	1.61
Cu*Ta [seg]	0.29

s/n A.4.2-3

Periodos Definitivos en Cada Dirección

Tx [seg]	0.29
Ty [seg]	0.29

T _{DEF} [seg]	0.286
Aceleración espectral	
Sa NSR-10	0.220 g
K =	1.00

ANALISIS SISMICO NSR-10

Nivel	W [ton]	h [m]	h acum. [m]	$W \cdot h_{acum}^K$	Cv	Fi [ton]
STORY2	189.16	0.90	4.40	832.30	0.818	43.56
STORY1	52.77	3.50	3.50	184.69	0.182	9.67
$\Sigma =$	241.93			1016.99	1.000	53.22

Cortante Sísmico en la Base

Vs [ton]	53.22
----------	-------

	Manual	ETABS	$\Delta\%$
Nivel	Fi [ton]		
STORY2	43.56	43.56	0.00%
STORY1	9.67	9.67	0.00%
$\Sigma =$	53.22	53.22	0.00%

ANALISIS ESPECTRAL

	Sismo X			Sismo Y		
Nivel	Fix [ton]	Fiy [ton]	Fi [ton]	Fix [ton]	Fiy [ton]	Fi [ton]
STORY2	27.613	22.022	35.32	21.736	24.904	33.06
STORY1	6.23	4.86	7.90	5.14	5.31	7.39
Σ	33.85	26.88	43.22	26.88	30.21	40.45

	Vs [ton] Espectral	0.9*Vs FHE [ton]	Factor de Ajuste	Vs [ton] Espectral Ajustado
Sismo X	43.22	47.90	1.11	47.90
Sismo Y	40.45	47.90	1.18	47.90

ANALISIS ESPECTRAL AJUSTADO

	Sismo X			Sismo Y		
Nivel	Fix [ton]	Fiy [ton]	Fi [ton]	Fix [ton]	Fiy [ton]	Fi [ton]
STORY2	30.593	24.399	39.13	25.735	29.485	39.14
STORY1	6.906	5.381	8.75	6.089	6.284	8.75
Σ	37.50	29.78	47.89	31.82	35.77	47.89

	Vs [ton] Espectral	0.9*Vs FHE [ton]	Factor de Ajuste	Vs [ton] Espectral Ajustado
Sismo X	47.89	47.90	1.00	47.90
Sismo Y	47.89	47.90	1.00	47.90

PARTICIPACIÓN MODAL

Mode	Period	UX	UY	SumUX	SumUY
1	0.2960	0.5082	0.3104	0.5082	0.3104
2	0.2690	0.0027	0.008	0.5109	0.3184
3	0.2290	0.0041	1.77E-01	0.515	0.4952
4	0.2150	0.1132	0.0279	0.6282	0.5231
5	0.2100	2.70E-03	0.0002	0.6309	0.5233
6	0.2050	1.48E-02	0.0367	0.6457	0.5601
7	0.1760	5.38E-02	0.0501	0.6995	0.6101
8	0.1690	0.0064	2.10E-02	0.706	0.6312
9	0.1690	0.0126	5.60E-03	0.7186	0.6368
10	0.1680	0.0664	1.03E-02	0.7851	0.6471
11	0.1670	0.0171	1.50E-03	0.8021	0.6485
12	0.1600	1.78E-01	3.01E-01	0.9799	0.9491

Ok!!!

INDICE DE ESTABILIDAD

	Pi [ton]	Vi [ton]	hi [m]	Δcm [m]	Qi	Verificación
STORY2	189.16	43.56	0.90	0.018	0.084	Ok
STORY1	52.77	9.67	3.50	0.005	0.008	Ok

CALCULO DEL COEFICIENTE DE CAPACIDAD DE DISIPACION DE ENERGIA

- Capacidad de disipación de energía

Acorde con el sistema estructural y la zona de amenaza sísmica permitida se tiene:

DMI Ro =	5.00	NSR-10, Tabla A.3-3
-----------------	-------------	---------------------

- Cálculo de irregularidades

Acorde con la NSR-10 Tabla A.3-6 y A.3-7, las irregularidades que existe para la estructura son:

REDUNDANCIA	SI / NO
Ausencia de Redundancia	SI
$\Phi_r =$	0.75

IRREGULARIDADES EN PLANTA	SI / NO
Irregularidad Torsional	SI
Retrocesos en las Esquinas	NO
Irregularidad en Diafragma	NO
Desplazamiento en plano de acción	NO
Sistemas No Paralelos	NO
$\Phi_p =$	0.9

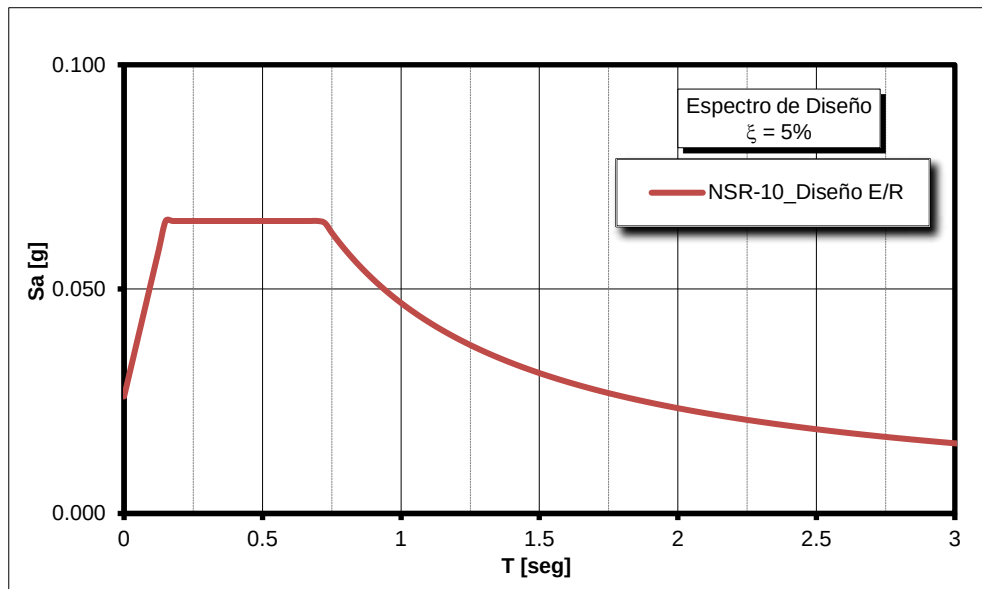
IRREGULARIDADES EN ALTURA	SI / NO
Piso Flexible	NO
Distribución de Masa	NO
Geométrica	NO
Desplazamiento en el Plano de Acción	NO
Piso Débil	NO
$\Phi_a =$	1.0

- Coeficiente de Disipación de Energía (R)

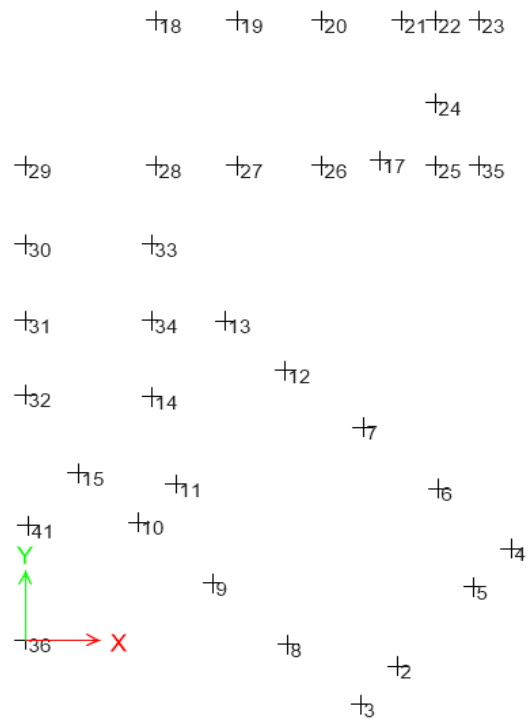
R = Ro Φ_r x Φ_a x Φ_p =	3.375
---	--------------

Se tiene en cuenta una Torsión accidental del 5% en X y del 8.9% en Y según A.3.6.7.1 de la NSR-10.

ESPECTRO DE DISEÑO POR ANALISIS ESPECTRAL



CIMENTACIÓN



PLANTA PARA DISEÑO DE CIMENTACIÓN

PREDIMENSIONAMIENTO CIMENTACIÓN - MAPIRIPAN

Fy [MPa]	420
f'c [MPa]	21
σ_{ADM} [ton/m ²]	11.70

0.85													0.85	
	EJE		TIPO	Carga Vertical Máx. [ton]	Sección de Columna		CTOTAL [ton]	A req [m ²]	B [m] (x)	H [m] (y)	A sum [m ²]	σ [ton/m ²]		INDICE SOBRE ESFUERZO
ELEM	LIT	NUM			b [m] (Lx)	h [m] (Ly)								
2	----	----	COL	3.011	0.35	0.35	3.16	0.27	1.00	1.00	1.00	3.16	0.27	ok
3	----	----	COL	3.566	0.35	0.35	3.74	0.32	1.00	1.00	1.00	3.74	0.32	ok
4	----	----	COL	3.577	0.50	0.35	3.76	0.32	1.00	1.00	1.00	3.76	0.32	ok
5	----	----	COL	3.015	0.50	0.35	3.17	0.27	1.00	1.00	1.00	3.17	0.27	ok
6	----	----	COL	6.458	0.35	0.35	6.78	0.58	1.00	1.00	1.00	6.78	0.58	ok
7	----	----	COL	6.332	0.35	0.35	6.65	0.57	1.00	1.00	1.00	6.65	0.57	ok
8	----	----	COL	6.438	0.35	0.50	6.76	0.58	1.00	1.00	1.00	6.76	0.58	ok
9	----	----	COL	6.457	0.35	0.50	6.78	0.58	1.00	1.00	1.00	6.78	0.58	ok
10	----	----	COL	24.060	0.35	0.35	25.26	2.16	2.00	2.00	4.00	6.32	0.54	ok
11	----	----	COL	5.861	0.35	0.35	6.15	0.53	1.00	1.00	1.00	6.15	0.53	ok
12	----	----	COL	31.096	0.35	0.35	32.65	2.79	2.00	2.00	4.00	8.16	0.70	ok
13	----	----	COL	29.497	0.35	0.35	30.97	2.65	2.00	2.00	4.00	7.74	0.66	ok
15	----	----	COL	16.665	0.35	0.35	17.50	1.50	1.50	1.50	2.25	7.78	0.66	ok
17	----	----	COL	14.553	0.35	0.35	15.28	1.31	1.50	1.50	2.25	6.79	0.58	ok
18	----	----	COL	6.612	0.35	0.35	6.94	0.59	1.00	1.00	1.00	6.94	0.59	ok
19	----	----	COL	2.864	0.35	0.50	3.01	0.26	1.00	1.00	1.00	3.01	0.26	ok
20	----	----	COL	2.714	0.50	0.35	2.85	0.24	1.00	1.00	1.00	2.85	0.24	ok
21	----	----	COL	2.221	0.50	0.35	2.33	0.20	1.00	1.00	1.00	2.33	0.20	ok
22	----	----	COL	2.616	0.50	0.35	2.75	0.23	1.00	1.00	1.00	2.75	0.23	ok

PREDIMENSIONAMIENTO CIMENTACIÓN - MAPIRIPAN

Fy [MPa]	420
f'c [MPa]	21
σ_{ADM} [ton/m ²]	11.70

0.85														
	EJE		TIPO	Carga Vertical Máx. [ton]	Sección de Columna		CTOTAL [ton]	A req [m²]	B [m] (x)	H [m] (y)	A sum [m²]	σ [ton/m²]	INDICE SOBRE ESFUERZO	0.85
ELEM	LIT	NUM			b [m] (Lx)	h [m] (Ly)								
23	----	----	COL	5.709	0.50	0.35	5.99	0.51	1.00	1.00	1.00	5.99	0.51	ok
24	----	----	COL	3.023	0.50	0.35	3.17	0.27	1.00	1.00	1.00	3.17	0.27	ok
25	----	----	COL	21.271	0.35	0.50	22.33	1.91	1.50	1.50	2.25	9.93	0.85	ok
26	----	----	COL	2.793	0.35	0.35	2.93	0.25	1.00	1.00	1.00	2.93	0.25	ok
27	----	----	COL	2.769	0.35	0.35	2.91	0.25	1.00	1.00	1.00	2.91	0.25	ok
28	----	----	COL	10.564	0.35	0.35	11.09	0.95	1.50	1.50	2.25	4.93	0.42	ok
29	----	----	COL	3.025	0.35	0.35	3.18	0.27	1.00	1.00	1.00	3.18	0.27	ok
30	----	----	COL	4.997	0.35	0.35	5.25	0.45	1.00	1.00	1.00	5.25	0.45	ok
31	----	----	COL	2.478	0.35	0.40	2.60	0.22	1.00	1.00	1.00	2.60	0.22	ok
32	----	----	COL	5.459	0.35	0.50	5.73	0.49	1.00	1.00	1.00	5.73	0.49	ok
33	----	----	COL	3.620	0.50	0.35	3.80	0.32	1.00	1.00	1.00	3.80	0.32	ok
34	----	----	COL	4.805	0.50	0.35	5.05	0.43	1.00	1.00	1.00	5.05	0.43	ok
35	----	----	COL	21.096	0.50	0.35	22.15	1.89	1.50	1.50	2.25	9.84	0.84	ok
36	----	----	COL	12.751	0.35	0.50	13.39	1.14	1.50	1.50	2.25	5.95	0.51	ok
41	----	----	COL	12.586	0.35	0.50	13.21	1.13	1.50	1.50	2.25	5.87	0.50	ok

CIMENTACIÓN BLOQUE - MAPIRIPAN

σ_{ADM} [Ton/m ²] =	11.70
$\sigma_{ADM-sismo}$ [Ton/m ²] =	15.56
Rec. Inf. Zapata [m]=	0.05
Rec. Inf. Viga [m]=	0.075

ELEM	B [m] X	EN	H [m] Y	EN	No. Max. Barra long. Columna.	espesor zapata sum. [m]	Mmax Servicio MY [ton-m]	Mmax. Servicio MX [ton-m]	Sección Viga de Amarre sentido X				
									b [m]	h [m]	No. Barras	Diámetro No.	Considerar aporte (S/N)
2	1.00		1.00		6	0.50	0.6404	0.6016	0.3	0.5	3	5	S
3	1.00		1.00		6	0.50	0.9713	0.8534	0.3	0.5	3	5	S
4	1.00		1.00		6	0.50	0.83	0.6893	0.3	0.5	3	5	S
5	1.00		1.00		6	0.50	0.6085	0.4932	0.3	0.5	3	5	S
6	1.00		1.00		6	0.50	0.815	0.5493	0.3	0.5	3	5	S
7	1.00		1.00		6	0.50	0.8917	0.5128	0.3	0.5	3	5	S
8	1.00		1.00		6	0.50	0.9521	0.8492	0.3	0.5	3	5	S
9	1.00		1.00		6	0.50	1.0044	0.8065	0.3	0.5	3	5	S
10	2.00		2.00		6	0.50	0.8602	0.6351	0.3	0.5	3	5	S
11	1.00		1.00		6	0.50	0.7328	0.4876	0.3	0.5	3	5	S
12	2.00		2.00		6	0.50	5.7373	5.0187	0.3	0.5	3	5	S
13	2.00		2.00		6	0.50	2.8123	2.9524	0.3	0.5	3	5	S
15	1.50		1.50		6	0.50	0.6138	0.453	0.3	0.5	3	5	S
17	1.50		1.50		6	0.50	3.0705	2.801	0.3	0.5	3	5	S
18	1.00		1.00		6	0.50	0.4045	2.1112	0.3	0.5	3	5	S
19	1.00		1.00		6	0.50	0.4434	0.3978	0.3	0.5	3	5	S
20	1.00		1.00		6	0.50	0.423	0.345	0.3	0.5	3	5	S
21	1.00		1.00		6	0.50	0.452	0.1803	0.3	0.5	3	5	S
22	1.00		1.00		6	0.50	0.4397	0.3875	0.3	0.5	3	5	S
23	1.00		1.00		6	0.50	0.4252	1.2503	0.3	0.5	3	5	S
24	1.00		1.00		8	0.65	0.445	0.2927	0.3	0.5	3	5	S
25	1.50		1.50		6	0.50	0.5694	0.1988	0.3	0.5	3	5	S
26	1.00		1.00		6	0.50	0.5063	0.2266	0.3	0.5	3	5	S
27	1.00		1.00		6	0.50	0.5092	0.2705	0.3	0.5	3	5	S
28	1.50		1.50		6	0.50	1.5438	1.8132	0.3	0.5	3	5	S
29	1.00		1.00		6	0.50	0.6538	0.7071	0.3	0.5	3	5	S
30	1.00		1.00		6	0.50	0.4879	1.0183	0.3	0.5	3	5	S
31	1.00		1.00		6	0.50	0.3526	0.0298	0.3	0.5	3	5	S
32	1.00		1.00		6	0.50	0.9265	0.9263	0.3	0.5	3	5	S
33	1.00		1.00		6	0.50	0.3983	0.7181	0.3	0.5	3	5	S
34	1.00		1.00		6	0.50	0.4454	0.8063	0.3	0.5	3	5	S
35	1.50		1.50		6	0.50	3.6272	3.9201	0.3	0.5	3	5	S
36	1.50		1.50		7	0.55	1.92	2.6231	0.3	0.5	3	5	S
41	1.50		1.50		6	0.50	3.7083	3.5411	0.3	0.5	3	5	S

CIMENTACIÓN BLOQUE - MAPIRIPAN

ELEM	Sección Viga de Amarre sentido Y					espesor zapata req. [m]	Viga Amarre sentido X		Momento Admisible V.Amarre_X [ton-m]	Viga Amarre sentido Y	
	b [m]	h [m]	No. Barras	Diámetro No.	Considerar aporte (S/N)		As sum [cm ²]	ρ sum		As sum [cm ²]	ρ sum
2	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
3	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
4	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
5	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
6	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
7	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
8	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
9	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
10	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
11	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
12	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
13	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
15	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
17	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
18	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
19	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
20	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
21	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
22	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
23	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
24	0.3	0.5	3	5	S	0.61	5.97	0.00468235	4.18	5.97	0.00468235
25	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
26	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
27	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
28	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
29	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
30	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
31	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
32	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
33	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
34	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
35	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235
36	0.3	0.5	3	5	S	0.54	5.97	0.00468235	4.18	5.97	0.00468235
41	0.3	0.5	3	5	S	0.47	5.97	0.00468235	4.18	5.97	0.00468235

CIMENTACIÓN BLOQUE - MAPIRIPAN

$\sigma_{ADMu-sismo}$ [Ton/m²] =

15.56

ELEM	Momento Admisible V.Amarre_Y [ton-m]	Carga Vertical Máx. [ton]	TRABAJO [ton]	A req [m ²]	A sum [m ²]	Mservicio MY [ton-m]	Mservicio MX [ton-m]	e X [m]	e Y [m]	Smax en X	Smin en X	Smax en Y	Smin en Y
2	4.18	3.16	4.36	0.37	1.00	0.00	0.00	0.00	0.00	4.36	4.36	4.36	4.36
3	4.18	3.74	4.94	0.42	1.00	0.00	0.00	0.00	0.00	4.94	4.94	4.94	4.94
4	4.18	3.76	4.96	0.42	1.00	0.00	0.00	0.00	0.00	4.96	4.96	4.96	4.96
5	4.18	3.17	4.37	0.37	1.00	0.00	0.00	0.00	0.00	4.37	4.37	4.37	4.37
6	4.18	6.78	7.98	0.68	1.00	0.00	0.00	0.00	0.00	7.98	7.98	7.98	7.98
7	4.18	6.65	7.85	0.67	1.00	0.00	0.00	0.00	0.00	7.85	7.85	7.85	7.85
8	4.18	6.76	7.96	0.68	1.00	0.00	0.00	0.00	0.00	7.96	7.96	7.96	7.96
9	4.18	6.78	7.98	0.68	1.00	0.00	0.00	0.00	0.00	7.98	7.98	7.98	7.98
10	4.18	25.26	30.06	2.57	4.00	0.00	0.00	0.00	0.00	7.52	7.52	7.52	7.52
11	4.18	6.15	7.35	0.63	1.00	0.00	0.00	0.00	0.00	7.35	7.35	7.35	7.35
12	4.18	32.65	37.45	3.20	4.00	1.55	0.83	0.04	0.02	10.53	8.20	9.99	8.74
13	4.18	30.97	35.77	3.06	4.00	0.00	0.00	0.00	0.00	8.94	8.94	8.94	8.94
15	4.18	17.50	20.20	1.73	2.25	0.00	0.00	0.00	0.00	8.98	8.98	8.98	8.98
17	4.18	15.28	17.98	1.54	2.25	0.00	0.00	0.00	0.00	7.99	7.99	7.99	7.99
18	4.18	6.94	8.14	0.70	1.00	0.00	0.00	0.00	0.00	8.14	8.14	8.14	8.14
19	4.18	3.01	4.21	0.36	1.00	0.00	0.00	0.00	0.00	4.21	4.21	4.21	4.21
20	4.18	2.85	4.05	0.35	1.00	0.00	0.00	0.00	0.00	4.05	4.05	4.05	4.05
21	4.18	2.33	3.53	0.30	1.00	0.00	0.00	0.00	0.00	3.53	3.53	3.53	3.53
22	4.18	2.75	3.95	0.34	1.00	0.00	0.00	0.00	0.00	3.95	3.95	3.95	3.95
23	4.18	5.99	7.19	0.61	1.00	0.00	0.00	0.00	0.00	7.19	7.19	7.19	7.19
24	4.18	3.17	4.73	0.40	1.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	4.73
25	4.18	22.33	25.03	2.14	2.25	0.00	0.00	0.00	0.00	11.13	11.13	11.13	11.13
26	4.18	2.93	4.13	0.35	1.00	0.00	0.00	0.00	0.00	4.13	4.13	4.13	4.13
27	4.18	2.91	4.11	0.35	1.00	0.00	0.00	0.00	0.00	4.11	4.11	4.11	4.11
28	4.18	11.09	13.79	1.18	2.25	0.00	0.00	0.00	0.00	6.13	6.13	6.13	6.13
29	4.18	3.18	4.38	0.37	1.00	0.00	0.00	0.00	0.00	4.38	4.38	4.38	4.38
30	4.18	5.25	6.45	0.55	1.00	0.00	0.00	0.00	0.00	6.45	6.45	6.45	6.45
31	4.18	2.60	3.80	0.32	1.00	0.00	0.00	0.00	0.00	3.80	3.80	3.80	3.80
32	4.18	5.73	6.93	0.59	1.00	0.00	0.00	0.00	0.00	6.93	6.93	6.93	6.93
33	4.18	3.80	5.00	0.43	1.00	0.00	0.00	0.00	0.00	5.00	5.00	5.00	5.00
34	4.18	5.05	6.25	0.53	1.00	0.00	0.00	0.00	0.00	6.25	6.25	6.25	6.25
35	4.18	22.15	24.85	2.12	2.25	0.00	0.00	0.00	0.00	11.04	11.04	11.04	11.04
36	4.18	13.39	16.36	1.40	2.25	0.00	0.00	0.00	0.00	7.27	7.27	7.27	7.27
41	4.18	13.21	15.91	1.36	2.25	0.00	0.00	0.00	0.00	7.07	7.07	7.07	7.07

CIMENTACIÓN BLOQUE - MAPIRIPAN

Fy [MPa]	420
f'c [MPa]	21
σ_{ADM} [Ton/m ²]	11.7

ELEM	Flexión en X		Flexión en Y		Sección de Columna		Sección de Zapata			
	Diámetro No.	Separación sum. [m]	Diámetro No.	Separación sum. [m]			B [m] (x)	H [m] (y)	t sum [m]	d[m]
					b [m] (Lx)	h [m] (Ly)				
2	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
3	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
4	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
5	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
6	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
7	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
8	4	0.150	4	0.150	0.35	0.50	1.00	1.00	0.50	0.45
9	4	0.150	4	0.150	0.35	0.50	1.00	1.00	0.50	0.45
10	4	0.150	4	0.150	0.35	0.35	2.00	2.00	0.50	0.45
11	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
12	4	0.150	4	0.150	0.35	0.35	2.00	2.00	0.50	0.45
13	4	0.150	4	0.150	0.35	0.35	2.00	2.00	0.50	0.45
15	4	0.150	4	0.150	0.35	0.35	1.50	1.50	0.50	0.45
17	4	0.150	4	0.150	0.35	0.35	1.50	1.50	0.50	0.45
18	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
19	4	0.150	4	0.150	0.35	0.50	1.00	1.00	0.50	0.45
20	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
21	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
22	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
23	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
24	4	0.100	4	0.100	0.50	0.35	1.00	1.00	0.65	0.60
25	4	0.150	4	0.150	0.35	0.50	1.50	1.50	0.50	0.45
26	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
27	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
28	4	0.150	4	0.150	0.35	0.35	1.50	1.50	0.50	0.45
29	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
30	4	0.150	4	0.150	0.35	0.35	1.00	1.00	0.50	0.45
31	4	0.150	4	0.150	0.35	0.40	1.00	1.00	0.50	0.45
32	4	0.150	4	0.150	0.35	0.50	1.00	1.00	0.50	0.45
33	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
34	4	0.150	4	0.150	0.50	0.35	1.00	1.00	0.50	0.45
35	4	0.150	4	0.150	0.50	0.35	1.50	1.50	0.50	0.45
36	4	0.125	4	0.125	0.35	0.50	1.50	1.50	0.55	0.50
41	4	0.150	4	0.150	0.35	0.50	1.50	1.50	0.50	0.45

CIMENTACIÓN BLOQUE - MAPIRIPAN

ELEM	Smax_X	Smax_X Ultimo	Smax_Y	Smax_Y Ultimo	Corte Simple			Punzonamiento	
	[Ton/m2]	[Ton/m2]	[Ton/m2]	[Ton/m2]	ϕ_{uc} [kg/cm ²]	ν_{u_x} [kg/cm ²]	ν_{u_y} [kg/cm ²]	ϕ_{uc} [kg/cm ²]	ν_u [kg/cm ²]
2	4.36	6.11	4.36	6.11	5.73	-0.17	-0.17	11.34	0.15
3	4.94	6.92	4.94	6.92	5.73	-0.19	-0.19	11.34	0.17
4	4.96	6.94	4.96	6.94	5.73	-0.31	-0.19	11.34	0.11
5	4.37	6.11	4.37	6.11	5.73	-0.27	-0.17	11.34	0.09
6	7.98	11.17	7.98	11.17	5.73	-0.31	-0.31	11.34	0.28
7	7.85	10.99	7.85	10.99	5.73	-0.31	-0.31	11.34	0.27
8	7.96	11.14	7.96	11.14	5.73	-0.31	-0.50	11.34	0.17
9	7.98	11.17	7.98	11.17	5.73	-0.31	-0.50	11.34	0.17
10	7.52	10.52	7.52	10.52	5.73	0.88	0.88	11.34	2.46
11	7.35	10.30	7.35	10.30	5.73	-0.29	-0.29	11.34	0.26
12	10.53	14.74	9.99	13.98	5.73	1.23	1.17	11.34	3.44
13	8.94	12.52	8.94	12.52	5.73	1.04	1.04	11.34	2.92
15	8.98	12.57	8.98	12.57	5.73	0.35	0.35	11.34	1.41
17	7.99	11.19	7.99	11.19	5.73	0.31	0.31	11.34	1.25
18	8.14	11.40	8.14	11.40	5.73	-0.32	-0.32	11.34	0.28
19	4.21	5.89	4.21	5.89	5.73	-0.16	-0.26	11.34	0.09
20	4.05	5.67	4.05	5.67	5.73	-0.25	-0.16	11.34	0.09
21	3.53	4.94	3.53	4.94	5.73	-0.22	-0.14	11.34	0.08
22	3.95	5.53	3.95	5.53	5.73	-0.25	-0.15	11.34	0.08
23	7.19	10.07	7.19	10.07	5.73	-0.45	-0.28	11.34	0.15
24	4.73	6.63	4.73	6.63	5.73	-0.39	-0.30	11.34	-0.01
25	11.13	15.58	11.13	15.58	5.73	0.43	0.17	11.34	1.47
26	4.13	5.79	4.13	5.79	5.73	-0.16	-0.16	11.34	0.14
27	4.11	5.75	4.11	5.75	5.73	-0.16	-0.16	11.34	0.14
28	6.13	8.58	6.13	8.58	5.73	0.24	0.24	11.34	0.96
29	4.38	6.13	4.38	6.13	5.73	-0.17	-0.17	11.34	0.15
30	6.45	9.03	6.45	9.03	5.73	-0.25	-0.25	11.34	0.23
31	3.80	5.32	3.80	5.32	5.73	-0.15	-0.18	11.34	0.11
32	6.93	9.70	6.93	9.70	5.73	-0.27	-0.43	11.34	0.15
33	5.00	7.00	5.00	7.00	5.73	-0.31	-0.19	11.34	0.11
34	6.25	8.74	6.25	8.74	5.73	-0.39	-0.24	11.34	0.13
35	11.04	15.46	11.04	15.46	5.73	0.17	0.43	11.34	1.46
36	7.27	10.18	7.27	10.18	5.73	0.15	0.00	11.34	0.77
41	7.07	9.90	7.07	9.90	5.73	0.28	0.11	11.34	0.94

[illegible]

COLUMNAS

MONUMENTO DE MEMORIA MAPIRIPAN

Columna B-2										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-2.17	-1.82		24/#6 (2.2%)	0.04	4.04	1.54
	.35	.90	21			-5.43				
				-1.84	-2.27		24/#6 (2.2%)	0.04		
Story1				-2.42	0.53		24/#6 (2.2%)	0.03	33.22	21.31
	.35	.90	21			-11.55				
				-4.33	-3.45		24/#6 (2.2%)	0.07		

Columna G-3										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				0.10	-4.01		8/#6 (1.9%)	0.33	2.17	1.43
	.35	.35	21			-7.27				
				0.08	-3.19		8/#6 (1.9%)	0.29		
Story1				0.08	-3.19		8/#6 (1.9%)	0.26		
	.35	.35	21			-8.50				
				0.48	2.89		8/#6 (1.9%)	0.24		

Columna G-4										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-0.49	-0.52		8/#6 (1.9%)	0.07	1.07	
	.35	.35	21			-2.27				
				-0.37	-0.40		8/#6 (1.9%)	0.06		
Story1				-0.37	-0.40		8/#6 (1.9%)	0.05		
	.35	.35	21			-3.51				
				0.63	0.64		8/#6 (1.9%)	0.09		

MONUMENTO DE MEMORIA MAPIRIPAN

Columna G-5										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-0.42	-0.12		8/#6 (1.9%)	0.04	1.07	
	.35	.35	21			-2.03				
				-0.32	-0.11		8/#6 (1.9%)	0.03		
Story1				-0.32	-0.11		8/#6 (1.9%)	0.03		
	.35	.35	21			-3.27				
				-0.53	-0.49		8/#6 (1.9%)	0.07		

Columna G-6										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-0.52	-0.19		8/#6 (1.9%)	0.05	1.06	
	.35	.35	21			-1.64				
				-0.40	-0.18		8/#6 (1.9%)	0.04		
Story1				-0.40	-0.18		8/#6 (1.9%)	0.04		
	.35	.35	21			-2.88				
				0.65	0.16		8/#6 (1.9%)	0.06		

Columna G-7										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-0.38	-0.68		8/#6 (1.9%)	0.08	1.06	
	.35	.35	21			-1.23				
				-0.28	-0.89		8/#6 (1.9%)	0.08		
Story1				-0.24	-0.61		8/#6 (1.9%)	0.06		4.25
	.35	.35	21			-3.36				
				0.61	0.57		8/#6 (1.9%)	0.08		

MONUMENTO DE MEMORIA MAPIRIPAN

Columna G-8											Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec	
Story2				-0.04	-2.84		8/#6 (1.9%)	0.23	2.16	1.42	
	.35	.35	21			-6.12					
				-0.03	-2.29		8/#6 (1.9%)	0.21			
Story1				-0.03	-2.29		8/#6 (1.9%)	0.19			
	.35	.35	21			-7.35					
				0.59	1.70		8/#6 (1.9%)	0.16			

Columna F-7											Es 1
	B	H	f _c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec	
Story1				-0.52	-0.15		8/#7 #8 (2.9%)	0.03		1.02	
	.35	.35	21			-4.28					
				0.73	0.28		8/#7 #8 (2.9%)	0.05			

Columna E-7											Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec	
Story2				0.95	-0.06		8/#6 (1.9%)	0.07	2.40		
	.35	.35	21			-23.24					
				0.73	-0.08		8/#6 (1.9%)	0.06			
Story1				0.73	-0.08		8/#6 (1.9%)	0.06			
	.35	.35	21			-24.48					
				-0.87	-0.30		8/#6 (1.9%)	0.08			

MONUMENTO DE MEMORIA MAPIRIPAN

Columna E-5										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-0.54	-0.01		8/#6 (1.9%)	0.05	1.06	
	.35	.35	21			-2.48				
				-0.40	-0.02		8/#6 (1.9%)	0.04		
Story1				-0.40	-0.03		8/#6 (1.9%)	0.03		
	.35	.35	21			-2.86				
				0.71	0.29		8/#6 (1.9%)	0.07		

Columna E-4										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-0.56	0.22		8/#6 (1.9%)	0.05	1.06	
	.35	.35	21			-2.33				
				-0.42	0.22		8/#6 (1.9%)	0.05		
Story1				-0.42	0.22		8/#6 (1.9%)	0.04		
	.35	.35	21			-3.56				
				0.72	0.40		8/#6 (1.9%)	0.08		

Columna E-3										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				0.47	6.14		14/#6 (2.0%)	0.26	5.47	2.86
	.40	.50	21			-7.99				
				0.53	5.24		14/#6 (2.0%)	0.24		
Story1				-0.21	2.64		14/#6 (2.0%)	0.11	14.71	9.40
	.40	.50	21			-11.95				
				-1.12	-3.07		14/#6 (2.0%)	0.14		

MONUMENTO DE MEMORIA MAPIRIPAN

Columna E-1											Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec	
Story1				-1.12	-0.91		10/#6 (2.4%)	0.13	2.15	3.86	
	.40	.30	21			-4.17					
				1.50	1.00		10/#6 (2.4%)	0.16			

Columna D-1											Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec	
Story1				-1.53	-0.13		8/#6 (1.9%)	0.13	1.09		
	.35	.35	21			-6.25					
				2.07	0.55		8/#6 (1.9%)	0.18			

Columna C-1											Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec	
Story1				0.00	0.00		8/#6 (1.9%)	0.02			
	.35	.35	21			-1.69					
				-0.04	-0.50		8/#6 (1.9%)	0.04			

Columna B-1											Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec	
Story1				-1.04	-1.36		8/#6 (1.9%)	0.16	1.09	2.18	
	.35	.35	21			-7.16					
				1.80	1.54		8/#6 (1.9%)	0.23			

MONUMENTO DE MEMORIA MAPIRIPAN

Columna D-2										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story1				-0.84	-0.07		8/#6 (1.9%)	0.07	1.08	
	.35	.35	21			-4.51				
				-1.15	-0.54		8/#6 (1.9%)	0.12		

Columna C-2										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story1				1.08	0.09		8/#6 (1.9%)	0.09	1.08	
	.35	.35	21			-5.01				
				-1.36	-0.63		8/#6 (1.9%)	0.14		

Columna E-8										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				-6.93	5.45		24/#6 (2.2%)	0.10	1.52	4.64
	.35	.90	21			-25.41				
				-3.43	-4.89		24/#6 (2.2%)	0.08		

Columna A-1										Es 1
	B	H	f'c	M1	M2	P	Cuantía	Ratio	Col/Vig Eje ppal	Col/vig Eje sec
Story2				2.23	-0.34		16/#7 (3.0%)	0.04	1.06	3.60
	.35	.60	21			-13.28				
				-3.12	0.01		16/#7 (3.0%)	0.06		

VIGAS

MONUMENTO DE MEMORIA MAPIRIPAN

VG-101/Story1

B=0.30 H=0.40 L=5.88		
Mu=-1.05 As =3.81 As(r)=3.51	Mu=-0.32 As =3.81 As(r)=3.51	Mu=-1.60 As =3.81 As(r)=3.51
Mu=0.35 As =3.81 As(r)=3.51	Mu=0.86 As =3.81 As(r)=3.51	Mu=0.53 As =3.81 As(r)=3.51
Vu=-1.13		Vu=1.29

VG-102/Story1

B=0.40 H=0.40 L=5.72		
Mu=-1.59 As =5.08 As(r)=4.69	Mu=-0.63 As =5.08 As(r)=4.69	Mu=-3.13 As =5.08 As(r)=4.69
Mu=0.69 As =5.08 As(r)=4.69	Mu=1.30 As =5.08 As(r)=4.69	Mu=1.04 As =5.08 As(r)=4.69
Vu=-1.68		Vu=2.00

VG-103/Story1

B=0.40 H=0.40 L=6.34			B=0.40 H=0.40 L=3.65			B=0.40 H=0.40 L=3.78			B=0.40 H=0.40 L=3.80		
Mu=-2.79 As =5.08 As(r)=4.69	Mu=-0.56 As =5.08 As(r)=4.69	Mu=-2.71 As =5.08 As(r)=4.69	Mu=-2.43 As =5.08 As(r)=4.69	Mu=-0.49 As =5.08 As(r)=4.69	Mu=-0.49 As =5.08 As(r)=4.69	Mu=-0.51 As =5.08 As(r)=4.69	Mu=-0.51 As =5.08 As(r)=4.69	Mu=-2.54 As =5.08 As(r)=4.69	Mu=-2.46 As =5.08 As(r)=4.69	Mu=-0.49 As =5.08 As(r)=4.69	Mu=-1.30 As =5.08 As(r)=4.69
Mu=0.93 As =5.08 As(r)=4.69	Mu=0.93 As =5.08 As(r)=4.69	Mu=0.90 As =5.08 As(r)=4.69	Mu=0.81 As =5.08 As(r)=4.69	Mu=0.80 As =5.08 As(r)=4.69	Mu=1.58 As =5.08 As(r)=4.69	Mu=1.58 As =5.08 As(r)=4.69	Mu=0.75 As =5.08 As(r)=4.69	Mu=0.85 As =5.08 As(r)=4.69	Mu=0.82 As =5.08 As(r)=4.69	Mu=0.82 As =5.08 As(r)=4.69	Mu=0.84 As =5.08 As(r)=4.69
Vu=-1.79		Vu=1.88	Vu=-2.03		Vu=-0.16	Vu=-0.16		Vu=2.03	Vu=-2.50		Vu=1.86

VG-104/Story1

B=0.40 H=0.40 L=3.64			B=0.40 H=0.40 L=3.65			B=0.40 H=0.40 L=3.76		
Mu=-1.75 As =5.08 As(r)=4.69	Mu=-0.35 As =5.08 As(r)=4.69	Mu=-1.52 As =5.08 As(r)=4.69	Mu=-1.27 As =5.08 As(r)=4.69	Mu=-0.25 As =5.08 As(r)=4.69	Mu=-1.04 As =5.08 As(r)=4.69	Mu=-1.30 As =5.08 As(r)=4.69	Mu=-0.58 As =5.08 As(r)=4.69	Mu=-2.91 As =5.08 As(r)=4.69
Mu=1.54 As =5.08 As(r)=4.69	Mu=0.71 As =5.08 As(r)=4.69	Mu=0.51 As =5.08 As(r)=4.69	Mu=0.42 As =5.08 As(r)=4.69	Mu=0.79 As =5.08 As(r)=4.69	Mu=0.35 As =5.08 As(r)=4.69	Mu=0.58 As =5.08 As(r)=4.69	Mu=0.58 As =5.08 As(r)=4.69	Mu=0.97 As =5.08 As(r)=4.69
Vu=-1.35		Vu=1.68	Vu=-1.92		Vu=1.74	Vu=-1.71		Vu=2.40

MONUMENTO DE MEMORIA MAPIRIPAN

VG-105A/Story1

B=0.40 H=0.70 L=3.18			B=0.40 H=0.70 L=4.72			B=0.40 H=0.70 L=4.43			B=0.40 H=0.70 L=10.39		
Mu=-4.23	Mu=-0.85	Mu=-0.85	Mu=-0.58	Mu=-0.58	Mu=-2.89	Mu=-2.93	Mu=-0.70	Mu=-3.52	Mu=-7.21	Mu=-1.44	Mu=-6.70
As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40
As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65
Mu=1.41	Mu=0.85	Mu=0.85	Mu=0.77	Mu=1.90	Mu=0.96	Mu=0.98	Mu=0.70	Mu=1.17	Mu=2.40	Mu=5.75	Mu=2.23
As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =11.40	As =19.32
As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65	As(r)=8.65
Vu=-2.80			Vu=0.56			Vu=-1.79			Vu=2.78		
						Vu=-2.35			Vu=2.57		
									Vu=-4.94		
									Vu=4.84		

B=0.40 H=0.40 L=3.38		
Mu=-2.93	Mu=-0.59	Mu=-1.16
As =11.40	As =11.40	As =11.40
As(r)=5.36	As(r)=4.69	As(r)=4.69
Mu=0.98	Mu=0.86	Mu=0.59
As =7.92	As =11.40	As =7.92
As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-2.22		
Vu=1.82		

VG-106/Story1

B=0.40 H=0.40 L=3.97		
Mu=-1.25	Mu=-0.25	Mu=-0.38
As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69
Mu=0.42	Mu=0.78	Mu=0.65
As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-1.39		
Vu=0.92		

VG-201/Story2

B=0.40 H=0.40 L=3.53			B=0.40 H=0.40 L=3.77			B=0.40 H=0.40 L=3.53			B=0.40 H=0.40 L=1.28		
Mu=-0.40	Mu=-0.18	Mu=-0.89	Mu=-0.75	Mu=-0.15	Mu=-0.70	Mu=-0.68	Mu=-0.14	Mu=-0.50	Mu=-0.51	Mu=-0.18	Mu=-0.39
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Mu=0.36	Mu=0.48	Mu=0.30	Mu=0.25	Mu=0.35	Mu=0.23	Mu=0.23	Mu=0.39	Mu=0.17	Mu=0.17	Mu=0.10	Mu=0.13
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-0.83			Vu=1.17			Vu=-1.04			Vu=0.99		
						Vu=-1.00			Vu=0.90		
									Vu=-0.67		
									Vu=0.57		

MONUMENTO DE MEMORIA MAPIRIPAN

B=0.40 H=0.40 L=1.73		
Mu=-0.41 As =5.08 As(r)=4.69	Mu=-0.12 As =5.08 As(r)=4.69	Mu=-0.25 As =5.08 As(r)=4.69
Mu=0.14 As =5.08 As(r)=4.69	Mu=0.28 As =5.08 As(r)=4.69	Mu=0.61 As =5.08 As(r)=4.69
Vu=-0.99		Vu=0.51

VG-202/Story2

B=0.40 H=0.40 L=3.47			B=0.40 H=0.40 L=3.75			B=0.40 H=0.40 L=2.43			B=0.40 H=0.40 L=2.32		
Mu=-0.97 As =5.08 As(r)=4.69	Mu=-0.19 As =5.08 As(r)=4.69	Mu=-0.96 As =5.08 As(r)=4.69	Mu=-0.63 As =5.08 As(r)=4.69	Mu=-0.13 As =5.08 As(r)=4.69	Mu=-0.67 As =5.08 As(r)=4.69	Mu=-0.99 As =5.08 As(r)=4.69	Mu=-0.20 As =5.08 As(r)=4.69	Mu=-0.52 As =5.08 As(r)=4.69	Mu=-1.34 As =5.08 As(r)=4.69	Mu=-0.91 As =5.08 As(r)=4.69	Mu=-0.27 As =5.08 As(r)=4.69
Mu=0.56 As =5.08 As(r)=4.69	Mu=0.47 As =5.08 As(r)=4.69	Mu=0.32 As =5.08 As(r)=4.69	Mu=0.21 As =5.08 As(r)=4.69	Mu=0.38 As =5.08 As(r)=4.69	Mu=0.22 As =5.08 As(r)=4.69	Mu=0.33 As =5.08 As(r)=4.69	Mu=0.31 As =5.08 As(r)=4.69	Mu=0.79 As =5.08 As(r)=4.69	Mu=0.54 As =5.08 As(r)=4.69	Mu=0.27 As =5.08 As(r)=4.69	Mu=0.27 As =5.08 As(r)=4.69
Vu=-1.03		Vu=1.22	Vu=-1.00		Vu=1.03	Vu=-1.36		Vu=0.79	Vu=-1.00		Vu=0.00

B=0.40 H=0.40 L=1.80		
Mu=-1.54 As =5.08 As(r)=4.69	Mu=-0.00 As =5.08 As(r)=4.69	Mu=-0.00 As =5.08 As(r)=4.69
Mu=0.31 As =6.37 As(r)=4.69	Mu=3.33 As =5.08 As(r)=4.69	Mu=7.21 As =7.30 As(r)=5.63
Vu=-5.34		Vu=-3.36

VG-203/Story2

B=0.40 H=1.12 L=7.85			B=0.40 H=1.12 L=2.33			B=0.40 H=1.12 L=7.35			B=0.40 H=1.12 L=13.62		
Mu=-0.00 As =15.52 As(r)=14.19	Mu=-0.00 As =15.52 As(r)=14.19	Mu=-4.01 As =15.52 As(r)=14.19	Mu=-4.54 As =15.52 As(r)=14.19	Mu=-3.80 As =15.52 As(r)=14.19	Mu=-5.25 As =15.52 As(r)=14.19	Mu=-5.35 As =15.52 As(r)=14.19	Mu=-4.00 As =15.52 As(r)=14.19	Mu=-20.00 As =15.52 As(r)=14.19	Mu=-30.54 As =15.52 As(r)=14.19	Mu=-6.21 As =15.52 As(r)=14.19	Mu=-17.64 As =15.52 As(r)=14.19
Mu=5.76 As =15.52 As(r)=14.19	Mu=11.94 As =15.52 As(r)=14.19	Mu=0.80 As =15.52 As(r)=14.19	Mu=1.51 As =15.52 As(r)=14.19	Mu=1.05 As =15.52 As(r)=14.19	Mu=1.75 As =15.52 As(r)=14.19	Mu=4.00 As =15.52 As(r)=14.19	Mu=4.00 As =15.52 As(r)=14.19	Mu=6.67 As =15.52 As(r)=14.19	Mu=10.18 As =15.52 As(r)=14.19	Mu=27.99 As =15.52 As(r)=14.19	Mu=6.21 As =15.52 As(r)=14.19
Vu=-4.95		Vu=7.05	Vu=-1.52		Vu=2.35	Vu=-3.59		Vu=7.64	Vu=-13.99		Vu=17.91

MONUMENTO DE MEMORIA MAPIRIPAN

VG-204/Story2

B=0.40 H=0.40 L=2.32			B=0.40 H=0.40 L=5.20			B=0.40 H=0.40 L=2.32		
Mu=-0.64	Mu=-0.23	Mu=-1.16	Mu=-1.04	Mu=-0.21	Mu=-1.04	Mu=-1.17	Mu=-0.23	Mu=-0.64
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Mu=0.70	Mu=0.23	Mu=0.39	Mu=0.35	Mu=0.86	Mu=0.35	Mu=0.39	Mu=0.23	Mu=0.71
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-0.71			Vu=-1.40			Vu=-1.34		
Vu=1.34			Vu=1.40			Vu=0.70		

VG-205/Story2

B=0.40 H=0.40 L=5.48		
Mu=-5.79	Mu=-1.47	Mu=-7.35
As =7.92	As =7.92	As =7.92
As(r)=4.69	As(r)=4.69	As(r)=5.75
Mu=1.93	Mu=5.25	Mu=2.45
As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-8.08		
Vu=7.26		

VG-206/Story2

B=0.40 H=0.40 L=7.23		
Mu=-7.30	Mu=-1.46	Mu=-4.27
As =7.92	As =7.92	As =7.92
As(r)=5.71	As(r)=4.69	As(r)=4.69
Mu=2.43	Mu=6.29	Mu=1.46
As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.89	As(r)=4.69
Vu=-6.76		
Vu=6.08		

VG-207/Story2

B=0.40 H=0.40 L=4.43			B=0.40 H=0.40 L=4.50			B=0.40 H=0.40 L=4.35		
Mu=-3.17	Mu=-0.72	Mu=-3.62	Mu=-2.61	Mu=-0.52	Mu=-2.59	Mu=-3.07	Mu=-0.61	Mu=-2.29
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Mu=1.06	Mu=1.64	Mu=1.21	Mu=0.87	Mu=1.17	Mu=0.86	Mu=1.02	Mu=1.81	Mu=1.04
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-3.16			Vu=-3.07			Vu=-3.52		
Vu=3.64			Vu=3.05			Vu=2.95		

MONUMENTO DE MEMORIA MAPIRIPAN

VG-208/Story2

B=0.40 H=0.40 L=4.43			B=0.40 H=0.40 L=4.50			B=0.40 H=0.40 L=4.35		
Mu=-2.87	Mu=-0.57	Mu=-2.86	Mu=-2.22	Mu=-0.48	Mu=-2.38	Mu=-2.71	Mu=-0.54	Mu=-1.53
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Mu=0.96	Mu=1.69	Mu=0.95	Mu=0.74	Mu=1.21	Mu=0.79	Mu=0.90	Mu=1.75	Mu=0.59
As =5.08	As =5.08	As =5.08	As =5.08	As =5.08	As =8.47	As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-3.05			Vu=-3.03			Vu=-3.35		
Vu=3.35			Vu=3.08			Vu=2.65		

VG-209/Story2

B=0.40 H=0.40 L=6.98		
Mu=-10.99	Mu=-2.20	Mu=-3.20
As =10.14	As =7.92	As =7.92
As(r)=8.84	As(r)=4.69	As(r)=4.69
Mu=3.66	Mu=4.97	Mu=2.20
As =5.08	As =5.08	As =5.08
As(r)=4.69	As(r)=4.69	As(r)=4.69
Vu=-7.27		
Vu=5.44		

PLACA

PLACA AEREA e=0.22

CARGAS			
MUERTA	W [Ton/m ²]		
	Placa t=22cm	0.528	
	Acabados	0.110	
	Cielo Raso	0.070	
	Instalaciones	0.025	
		0.733	
VIVA	W [Ton/m ²]		
	VIVA	0.180	
		0.180	
Wu[Ton/m]		1.17	
LUZ [m]		2.82	
Mu -[Ton-m/m]		0.93	WL ² /10
Mu +[Ton-m/m]		1.16	WL ² /8
Vu [Ton/m]		1.65	WL/2
FLEXIÓN			
Fy [Mpa]		420	
f'c [Mpa]		21	
Refuerzo inferior			
BARRA		#3C/0.15	
As [cm ² /m]		4.73	
ρ		0.0024	
d[m]		0.2	
b[m]		1.00	
φMn[Ton-m/m]		3.48	Ok!!
Refuerzo superior			
BARRA		#3C/0.15	
As [cm ² /m]		4.73	
ρ		0.0024	
d[m]		0.2	
b[m]		1.00	
φMn[Ton-m/m]		3.48	Ok!!
CORTE			
φVc [ton]		11.46	Ok!!

DISEÑO CUBIERTA



License #dztpB7obmi0143+OT5VQ

SAP2000 Analysis Report

Prepared by
CEYCO

Model Name: CORREAS.sdb

12 septiembre 2024

CORREAS.sdb
Contents

SAP2000 v23.0.0 - License #dztpB7obmi0143+OT5VQ
12 septiembre 2024

Contents

1. Model geometry	4
1.1. Joint coordinates	4
1.2. Joint restraints	6
1.3. Element connectivity	6
2. Material properties	13
3. Section properties	14
3.1. Frames	14
3.2. Solids	18
4. Load patterns	18
4.1. Definitions	18
5. Load cases	19
5.1. Definitions	19
5.2. Static case load assignments	19
5.3. Response spectrum case load assignments	20
6. Load combinations	20
7. Structure results	21
7.1. Mass summary	21
7.2. Modal results	24
7.3. Base reactions	24
8. Joint results	25
9. Frame results	32
10. Material take-off	114
11. Design preferences	114
11.1. Steel design	115
11.2. Concrete design	115
11.3. Aluminum design	116
11.4. Cold formed design	116
12. Design overwrites	116
12.1. Steel design	116
13. Design summary	124
13.1. Steel design	124

List of Figures

Figure 1: Finite element model	4
Figure 2: Deformed shape	21

List of Tables

Table 1: Joint Coordinates	4
Table 2: Joint Restraint Assignments	6
Table 3: Connectivity - Frame	6
Table 4: Frame Section Assignments	9
Table 5: Frame Release Assignments 1 - General, Part 1 of 2	11
Table 5: Frame Release Assignments 1 - General, Part 2 of 2	12
Table 6: Material Properties 02 - Basic Mechanical Properties	13
Table 7: Material Properties 03a - Steel Data	13
Table 8: Material Properties 03b - Concrete Data	14
Table 9: Material Properties 03c - Rebar Data	14
Table 10: Material Properties 03f - Tendon Data	14

CEYCO

Page 2 of 126

CORREAS.sdb
List of Tables

SAP2000 v23.0.0 - License #dztpB7obmi0143+OT5VQ
12 septiembre 2024

Table 11: Frame Section Properties 01 - General, Part 1 of 5	14
Table 11: Frame Section Properties 01 - General, Part 2 of 5	15
Table 11: Frame Section Properties 01 - General, Part 3 of 5	15
Table 11: Frame Section Properties 01 - General, Part 4 of 5	15
Table 11: Frame Section Properties 01 - General, Part 5 of 5	16
Table 12: Frame Property Modifiers, Part 1 of 2	16
Table 12: Frame Property Modifiers, Part 2 of 2	17
Table 13: Solid Property Definitions	18
Table 14: Load Pattern Definitions	18
Table 15: Load Case Definitions, Part 1 of 2	19
Table 15: Load Case Definitions, Part 2 of 2	19
Table 16: Case - Static 1 - Load Assignments	19
Table 17: Function - Response Spectrum - User	20
Table 18: Combination Definitions	20
Table 19: Assembled Joint Masses, Part 1 of 2	21
Table 19: Assembled Joint Masses, Part 2 of 2	23
Table 20: Modal Participating Mass Ratios	24
Table 21: Base Reactions	24
Table 22: Joint Displacements	25
Table 23: Joint Reactions	31
Table 24: Element Forces - Frames, Part 1 of 2	32
Table 24: Element Forces - Frames, Part 2 of 2	73
Table 25: Material List 2 - By Section Property	114
Table 26: Preferences - Steel Design - AISC 360-16, Part 1 of 4	115
Table 26: Preferences - Steel Design - AISC 360-16, Part 2 of 4	115
Table 26: Preferences - Steel Design - AISC 360-16, Part 3 of 4	115
Table 26: Preferences - Steel Design - AISC 360-16, Part 4 of 4	115
Table 27: Preferences - Concrete Design - ACI 318-14, Part 1 of 2	115
Table 27: Preferences - Concrete Design - ACI 318-14, Part 2 of 2	115
Table 28: Preferences - Aluminum Design - AA 2015, Part 1 of 2	116
Table 28: Preferences - Aluminum Design - AA 2015, Part 2 of 2	116
Table 29: Preferences - Cold Formed Design - AISI-16, Part 1 of 2	116
Table 29: Preferences - Cold Formed Design - AISI-16, Part 2 of 2	116
Table 30: Overwrites - Steel Design - AISC 360-16, Part 1 of 7	117
Table 30: Overwrites - Steel Design - AISC 360-16, Part 2 of 7	117
Table 30: Overwrites - Steel Design - AISC 360-16, Part 3 of 7	118
Table 30: Overwrites - Steel Design - AISC 360-16, Part 4 of 7	119
Table 30: Overwrites - Steel Design - AISC 360-16, Part 5 of 7	121
Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7	122
Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7	123
Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2	124
Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2	125

CEYCO

Page 3 of 126

CORREAS.sdb
1. Model geometry

SAP2000 v23.0.0 - License #dztpB7obmi0143+OT5VQ
12 septiembre 2024

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

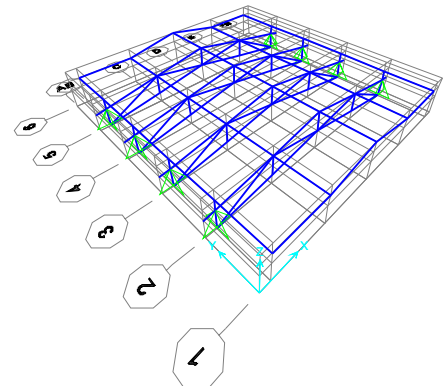


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Joint	CoordSys	Table 1: Joint Coordinates			
		CoordType	GlobalX m	GlobalY m	GlobalZ m
23	GLOBAL	Cartesian	0.475	2.36	0.
24	GLOBAL	Cartesian	5.75	2.36	0.9304
25	GLOBAL	Cartesian	11.025	2.36	0.

CEYCO

Page 4 of 126

Table 1: Joint Coordinates					
Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
26	GLOBAL	Cartesian	11.025	2.36	0.9304
27	GLOBAL	Cartesian	8.3875	2.36	1.4152
28	GLOBAL	Cartesian	5.75	2.36	1.9
29	GLOBAL	Cartesian	3.1125	2.36	1.4152
30	GLOBAL	Cartesian	0.475	2.36	0.9304
31	GLOBAL	Cartesian	3.1125	2.36	0.4652
32	GLOBAL	Cartesian	8.3875	2.36	0.4652
33	GLOBAL	Cartesian	-3.331E-16	2.36	0.84309
34	GLOBAL	Cartesian	11.5	2.36	0.84309
35	GLOBAL	Cartesian	0.475	4.79	0.
36	GLOBAL	Cartesian	5.75	4.79	0.9304
37	GLOBAL	Cartesian	11.025	4.79	0.
38	GLOBAL	Cartesian	11.025	4.79	0.9304
39	GLOBAL	Cartesian	8.3875	4.79	1.4152
40	GLOBAL	Cartesian	5.75	4.79	1.9
41	GLOBAL	Cartesian	3.1125	4.79	1.4152
42	GLOBAL	Cartesian	0.475	4.79	0.9304
43	GLOBAL	Cartesian	3.1125	4.79	0.4652
44	GLOBAL	Cartesian	8.3875	4.79	0.4652
45	GLOBAL	Cartesian	-3.331E-16	4.79	0.84309
46	GLOBAL	Cartesian	11.5	4.79	0.84309
47	GLOBAL	Cartesian	0.475	7.22	0.
48	GLOBAL	Cartesian	5.75	7.22	0.9304
49	GLOBAL	Cartesian	11.025	7.22	0.
50	GLOBAL	Cartesian	11.025	7.22	0.9304
51	GLOBAL	Cartesian	8.3875	7.22	1.4152
52	GLOBAL	Cartesian	5.75	7.22	1.9
53	GLOBAL	Cartesian	3.1125	7.22	1.4152
54	GLOBAL	Cartesian	0.475	7.22	0.9304
55	GLOBAL	Cartesian	3.1125	7.22	0.4652
56	GLOBAL	Cartesian	8.3875	7.22	0.4652
57	GLOBAL	Cartesian	-3.331E-16	7.22	0.84309
58	GLOBAL	Cartesian	11.5	7.22	0.84309
59	GLOBAL	Cartesian	0.475	9.65	0.
60	GLOBAL	Cartesian	5.75	9.65	0.9304
61	GLOBAL	Cartesian	11.025	9.65	0.
62	GLOBAL	Cartesian	11.025	9.65	0.9304
63	GLOBAL	Cartesian	8.3875	9.65	1.4152
64	GLOBAL	Cartesian	5.75	9.65	1.9
65	GLOBAL	Cartesian	3.1125	9.65	1.4152
66	GLOBAL	Cartesian	0.475	9.65	0.9304
67	GLOBAL	Cartesian	3.1125	9.65	0.4652
68	GLOBAL	Cartesian	8.3875	9.65	0.4652
69	GLOBAL	Cartesian	-3.331E-16	9.65	0.84309
70	GLOBAL	Cartesian	11.5	9.65	0.84309
83	GLOBAL	Cartesian	8.3875	0.	1.4152
84	GLOBAL	Cartesian	8.3875	12.08	1.4152
87	GLOBAL	Cartesian	3.1125	0.	1.4152
88	GLOBAL	Cartesian	3.1125	12.08	1.4152
89	GLOBAL	Cartesian	5.75	0.	1.9
90	GLOBAL	Cartesian	5.75	12.08	1.9
91	GLOBAL	Cartesian	0.475	2.36	1.4152
92	GLOBAL	Cartesian	0.475	0.	1.4152
93	GLOBAL	Cartesian	0.475	4.79	1.4152

Table 1: Joint Coordinates					
Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
94	GLOBAL	Cartesian	0.475	7.22	1.4152
95	GLOBAL	Cartesian	0.475	9.65	1.4152
96	GLOBAL	Cartesian	0.475	12.08	1.4152
97	GLOBAL	Cartesian	11.025	2.36	1.4152
98	GLOBAL	Cartesian	11.025	0.	1.4152
99	GLOBAL	Cartesian	11.025	4.79	1.4152
100	GLOBAL	Cartesian	11.025	7.22	1.4152
101	GLOBAL	Cartesian	11.025	9.65	1.4152
102	GLOBAL	Cartesian	11.025	12.08	1.4152

1.2. Joint restraints

Table 2: Joint Restraint Assignments

Table 2: Joint Restraint Assignments							
Joint	U1	U2	U3	R1	R2	R3	
26	Yes	Yes	Yes	No	No	No	
30	Yes	Yes	Yes	No	No	No	
38	Yes	Yes	Yes	No	No	No	
42	Yes	Yes	Yes	No	No	No	
50	Yes	Yes	Yes	No	No	No	
54	Yes	Yes	Yes	No	No	No	
62	Yes	Yes	Yes	No	No	No	
66	Yes	Yes	Yes	No	No	No	

1.3. Element connectivity

Table 3: Connectivity - Frame

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
39	25	26	0.9304
40	26	27	2.68169
41	27	28	2.68169
42	28	29	2.68169
43	29	30	2.68169
44	23	30	0.9304
45	24	29	2.68169
46	24	27	2.68169
47	23	31	2.67821
48	31	24	2.67821
49	24	32	2.67821
50	32	25	2.67821
51	29	31	0.95
52	27	32	0.95
53	24	28	0.9696

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
56	30	33	0.48296
57	34	26	0.48296
58	37	38	0.9304
59	39	38	2.68169
60	39	40	2.68169
61	40	41	2.68169
62	41	42	2.68169
63	35	42	0.9304
64	36	41	2.68169
65	36	39	2.68169
66	35	43	2.67821
67	43	36	2.67821
68	36	44	2.67821
69	44	37	2.67821
70	41	43	0.95
71	39	44	0.95
72	36	40	0.9696
75	42	45	0.48296
76	46	38	0.48296
77	49	50	0.9304
78	50	51	2.68169
79	51	52	2.68169
80	52	53	2.68169
81	53	54	2.68169
82	47	54	0.9304
83	48	53	2.68169
84	48	51	2.68169
85	47	55	2.67821
86	55	48	2.67821
87	48	56	2.67821
88	56	49	2.67821
89	53	55	0.95
90	51	56	0.95
91	48	52	0.9696
94	54	57	0.48296
95	50	58	0.48296
96	61	62	0.9304
97	62	63	2.68169
98	63	64	2.68169
99	64	65	2.68169
100	65	66	2.68169
101	59	66	0.9304
102	60	65	2.68169
103	60	63	2.68169
104	59	67	2.67821
105	67	60	2.67821
106	60	68	2.67821
107	68	61	2.67821
108	65	67	0.95
109	63	68	0.95
110	60	64	0.9696
113	69	66	0.48296
114	70	62	0.48296
134	27	83	2.36

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
135	27	39	2.43
136	39	51	2.43
137	51	63	2.43
138	63	84	2.43
144	29	87	2.36
145	29	41	2.43
146	41	53	2.43
147	53	65	2.43
148	65	88	2.43
149	28	89	2.36
150	28	40	2.43
151	40	52	2.43
152	52	64	2.43
153	64	90	2.43
154	91	92	2.36
155	91	93	2.43
156	93	94	2.43
157	94	95	2.43
158	95	96	2.43
159	30	91	0.4848
160	42	93	0.4848
161	54	94	0.4848
162	66	95	0.4848
163	97	98	2.36
164	97	99	2.43
165	99	100	2.43
166	100	101	2.43
167	101	102	2.43
168	26	97	0.4848
169	38	99	0.4848
170	50	100	0.4848
171	62	101	0.4848
172	96	88	2.6375
173	88	90	2.68169
174	90	84	2.68169
175	84	102	2.6375
176	92	87	2.6375
177	87	89	2.68169
178	89	83	2.68169
179	83	98	2.6375
180	29	23	2.99319
181	27	25	2.99319
182	65	59	2.99319
183	63	61	2.99319
184	41	35	2.99319
185	39	37	2.99319
186	53	47	2.99319
187	51	49	2.99319

Table 4: Frame Section Assignments

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
39	W2-90X140	N.A.	Default
40	W2-90X140	N.A.	Default
41	W2-90X140	N.A.	Default
42	W2-90X140	N.A.	Default
43	W2-90X140	N.A.	Default
44	W2-90X140	N.A.	Default
45	W-90X140	N.A.	Default
46	W-90X140	N.A.	Default
47	W2-90X140	N.A.	Default
48	W2-90X140	N.A.	Default
49	W2-90X140	N.A.	Default
50	W2-90X140	N.A.	Default
51	W-90X140	N.A.	Default
52	W-90X140	N.A.	Default
53	W-90X140	N.A.	Default
56	W2-90X140	N.A.	Default
57	W2-90X140	N.A.	Default
58	W2-90X140	N.A.	Default
59	W2-90X140	N.A.	Default
60	W2-90X140	N.A.	Default
61	W2-90X140	N.A.	Default
62	W2-90X140	N.A.	Default
63	W2-90X140	N.A.	Default
64	W-90X140	N.A.	Default
65	W-90X140	N.A.	Default
66	W2-90X140	N.A.	Default
67	W2-90X140	N.A.	Default
68	W2-90X140	N.A.	Default
69	W2-90X140	N.A.	Default
70	W-90X140	N.A.	Default
71	W-90X140	N.A.	Default
72	W-90X140	N.A.	Default
75	W2-90X140	N.A.	Default
76	W2-90X140	N.A.	Default
77	W2-90X140	N.A.	Default
78	W2-90X140	N.A.	Default
79	W2-90X140	N.A.	Default
80	W2-90X140	N.A.	Default
81	W2-90X140	N.A.	Default
82	W2-90X140	N.A.	Default
83	W-90X140	N.A.	Default
84	W-90X140	N.A.	Default
85	W2-90X140	N.A.	Default
86	W2-90X140	N.A.	Default
87	W2-90X140	N.A.	Default
88	W2-90X140	N.A.	Default
89	W-90X140	N.A.	Default
90	W-90X140	N.A.	Default
91	W-90X140	N.A.	Default
94	W2-90X140	N.A.	Default
95	W2-90X140	N.A.	Default
96	W2-90X140	N.A.	Default
97	W2-90X140	N.A.	Default

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
98	W2-90X140	N.A.	Default
99	W2-90X140	N.A.	Default
100	W2-90X140	N.A.	Default
101	W2-90X140	N.A.	Default
102	W-90X140	N.A.	Default
103	W-90X140	N.A.	Default
104	W2-90X140	N.A.	Default
105	W2-90X140	N.A.	Default
106	W2-90X140	N.A.	Default
107	W2-90X140	N.A.	Default
108	W-90X140	N.A.	Default
109	W-90X140	N.A.	Default
110	W-90X140	N.A.	Default
113	W2-90X140	N.A.	Default
114	W2-90X140	N.A.	Default
134	PTE50X100X4m m	PTE50X100X4m m	Default
135	PTE50X100X4m m	PTE50X100X4m m	Default
136	PTE50X100X4m m	PTE50X100X4m m	Default
137	PTE50X100X4m m	PTE50X100X4m m	Default
138	PTE50X100X4m m	PTE50X100X4m m	Default
144	PTE50X100X4m m	PTE50X100X4m m	Default
145	PTE50X100X4m m	PTE50X100X4m m	Default
146	PTE50X100X4m m	PTE50X100X4m m	Default
147	PTE50X100X4m m	PTE50X100X4m m	Default
148	PTE50X100X4m m	PTE50X100X4m m	Default
149	PTE50X100X4m m	PTE50X100X4m m	Default
150	PTE50X100X4m m	PTE50X100X4m m	Default
151	PTE50X100X4m m	PTE50X100X4m m	Default
152	PTE50X100X4m m	PTE50X100X4m m	Default
153	PTE50X100X4m m	PTE50X100X4m m	Default
154	PTE50X100X4m m	PTE50X100X4m m	Default
155	PTE50X100X4m m	PTE50X100X4m m	Default
156	PTE50X100X4m m	PTE50X100X4m m	Default
157	PTE50X100X4m m	PTE50X100X4m m	Default
158	PTE50X100X4m m	PTE50X100X4m m	Default
159	PTE50X100X4m m	PTE50X100X4m m	Default

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
160	PTE50X100X4m m	PTE50X100X4m m	Default
161	PTE50X100X4m m	PTE50X100X4m m	Default
162	PTE50X100X4m m	PTE50X100X4m m	Default
163	PTE50X100X4m m	PTE50X100X4m m	Default
164	PTE50X100X4m m	PTE50X100X4m m	Default
165	PTE50X100X4m m	PTE50X100X4m m	Default
166	PTE50X100X4m m	PTE50X100X4m m	Default
167	PTE50X100X4m m	PTE50X100X4m m	Default
168	PTE50X100X4m m	PTE50X100X4m m	Default
169	PTE50X100X4m m	PTE50X100X4m m	Default
170	PTE50X100X4m m	PTE50X100X4m m	Default
171	PTE50X100X4m m	PTE50X100X4m m	Default
172	PTE50X100X4m m	PTE50X100X4m m	Default
173	PTE50X100X4m m	PTE50X100X4m m	Default
174	PTE50X100X4m m	PTE50X100X4m m	Default
175	PTE50X100X4m m	PTE50X100X4m m	Default
176	PTE50X100X4m m	PTE50X100X4m m	Default
177	PTE50X100X4m m	PTE50X100X4m m	Default
178	PTE50X100X4m m	PTE50X100X4m m	Default
179	PTE50X100X4m m	PTE50X100X4m m	Default
180	W-90X140	N.A.	Default
181	W-90X140	N.A.	Default
182	W-90X140	N.A.	Default
183	W-90X140	N.A.	Default
184	W-90X140	N.A.	Default
185	W-90X140	N.A.	Default
186	W-90X140	N.A.	Default
187	W-90X140	N.A.	Default

Table 5: Frame Release Assignments 1 - General, Part 1 of 2

Table 5: Frame Release Assignments 1 - General, Part 1 of 2						
Frame	PI	V2I	V3I	TI	M2I	M3I
45	No	No	No	No	Yes	Yes
46	No	No	No	No	Yes	Yes

Table 5: Frame Release Assignments 1 - General, Part 2 of 2						
Frame	PI	V2I	V3I	TI	M2I	M3I
51	No	No	No	No	Yes	Yes
52	No	No	No	No	Yes	Yes
53	No	No	No	No	Yes	Yes
64	No	No	No	No	Yes	Yes
65	No	No	No	No	Yes	Yes
70	No	No	No	No	Yes	Yes
71	No	No	No	No	Yes	Yes
72	No	No	No	No	Yes	Yes
83	No	No	No	No	Yes	Yes
84	No	No	No	No	Yes	Yes
89	No	No	No	No	Yes	Yes
90	No	No	No	No	Yes	Yes
91	No	No	No	No	Yes	Yes
102	No	No	No	No	Yes	Yes
103	No	No	No	No	Yes	Yes
108	No	No	No	No	Yes	Yes
109	No	No	No	No	Yes	Yes
110	No	No	No	No	Yes	Yes
172	No	No	No	No	Yes	Yes
173	No	No	No	No	Yes	Yes
174	No	No	No	No	Yes	Yes
175	No	No	No	No	Yes	Yes
176	No	No	No	No	Yes	Yes
177	No	No	No	No	Yes	Yes
178	No	No	No	No	Yes	Yes
179	No	No	No	No	Yes	Yes
180	No	No	No	No	Yes	Yes
181	No	No	No	No	Yes	Yes

Table 5: Frame Release Assignments 1 - General, Part 2 of 2

Table 5: Frame Release Assignments 1 - General, Part 2 of 2						
Frame	PJ	V2J	V3J	TJ	M2J	M3J
45	No	No	No	No	Yes	Yes
46	No	No	No	No	Yes	Yes
51	No	No	No	No	Yes	Yes
52	No	No	No	No	Yes	Yes
53	No	No	No	No	Yes	Yes
64	No	No	No	No	Yes	Yes
65	No	No	No	No	Yes	Yes
70	No	No	No	No	Yes	Yes
71	No	No	No	No	Yes	Yes
72	No	No	No	No	Yes	Yes
83	No	No	No	No	Yes	Yes
84	No	No	No	No	Yes	Yes
89	No	No	No	No	Yes	Yes
90	No	No	No	No	Yes	Yes
102	No	No	No	No	Yes	Yes
103	No	No	No	No	Yes	Yes
108	No	No	No	No	Yes	Yes
109	No	No	No	No	Yes	Yes

Table 5: Frame Release Assignments 1 - General, Part 2 of 2						
Frame	PJ	V2J	V3J	TJ	M2J	M3J
110	No	No	No	No	Yes	Yes
172	No	No	No	No	Yes	Yes
173	No	No	No	No	Yes	Yes
174	No	No	No	No	Yes	Yes
175	No	No	No	No	Yes	Yes
176	No	No	No	No	Yes	Yes
177	No	No	No	No	Yes	Yes
178	No	No	No	No	Yes	Yes
179	No	No	No	No	Yes	Yes
180	No	No	No	No	Yes	Yes
181	No	No	No	No	Yes	Yes

2. Material properties

This section provides material property information for materials used in the model.

Table 6: Material Properties 02 - Basic Mechanical Properties

Table 6: Material Properties 02 - Basic Mechanical Properties						
Material	UnitWeight	UnitMass	E1	G12	U12	A1
	Ton/m3	Tonf-s2/m4	Ton/m2	Ton/m2		1/C
4000Psi	2.4028E+00	2.4501E-01	2534563.54	1056068.14	0.2	9.9000E-06
A416Gr270	7.8490E+00	8.0038E-01	20037484.34	7841930.45	0.3	1.1700E-05
A500GrC	7.8490E+00	8.0038E-01	20389019.16	7841930.45	0.3	1.1700E-05
A615Gr60	7.8490E+00	8.0038E-01	20389019.16	7841930.45	0.3	1.1700E-05
A992Fy50	7.8490E+00	8.0038E-01	20389019.16	7841930.45	0.3	1.1700E-05
MADERAGRESS	8.5600E-01	8.7000E-02	1142082.14	71380.13	0.3	1.1700E-05
MADERAGRS5	8.5600E-01	8.7260E-02	1142082.14	71380.13	0.3	1.1700E-05

Table 7: Material Properties 03a - Steel Data

Table 7: Material Properties 03a - Steel Data				
Material	Fy	Fu	FinalSlope	CoupModType
	Ton/m2	Ton/m2		
A500GrC	35153.48	43590.32	-0.1	Von Mises
A992Fy50	35153.48	45699.53	-0.1	Von Mises

Table 8: Material Properties 03b - Concrete Data

Table 8: Material Properties 03b - Concrete Data			
Material	Fc	eFc	FinalSlope
	Ton/m2	Ton/m2	
4000Psi	2812.28	2812.28	-0.1
			Modified Darwin-Peck noid

Table 9: Material Properties 03e - Rebar Data

Table 9: Material Properties 03e - Rebar Data			
Material	Fy	Fu	FinalSlope
	Ton/m2	Ton/m2	
A615Gr60	42184.18	63276.27	-0.1
			Von Mises

Table 10: Material Properties 03f - Tendon Data

Table 10: Material Properties 03f - Tendon Data			
Material	Fy	Fu	FinalSlope
	Ton/m2	Ton/m2	
A416Gr270	172322.37	189828.8	-0.1
			Von Mises

3. Section properties

This section provides section property information for objects used in the model.

3.1. Frames

Table 11: Frame Section Properties 01 - General, Part 1 of 5

Table 11: Frame Section Properties 01 - General, Part 1 of 5									
SectionName	Material	Shape	I3	I2	It	FilletRadius	tw		
			m	m	m	m	m		
2L 38X3mm	A992Fy50	Double Angle	0.038	0.076	0.003	1.000E-06	0.003		
2L 38X3mm VER	A992Fy50	Double Angle	0.038	0.076	0.003	1.000E-06	0.003		
2L 38X4.5mm	A992Fy50	Double Angle	0.038	0.114	0.0045	1.000E-06	0.0045		
FSEC1	A992Fy50	I/Wide Flange	0.3048	0.127	0.009652	0.009652	0.00635		
L 25X3mm	A992Fy50	Angle	0.025	0.025	0.003	0.00001	0.003		
L 38X3mm	A992Fy50	Angle	0.038	0.038	0.003	0.00001	0.003		
PTE100X200X8 mm	A500GrC	Box/Tube	0.2	0.1	0.008	0.004	0.008		
PTE50X100X4m m	A500GrC	Box/Tube	0.1	0.05	0.004	0.004	0.004		
PTEC50x50x3m m	A500GrC	Box/Tube	0.05	0.05	0.003	0.004	0.003		
W2-90X140	MADERAGRS5	SD Section							
W-70X150	A992Fy50	Rectangular	0.15	0.07					

Table 11: Frame Section Properties 01 - General, Part 1 of 5							
SectionName	Material	Shape	I3	I2	It	FilletRadius	tw
			m	m	m	m	m
W-90X140	MADERAGRS5	Rectangular	0.14	0.09			

Table 11: Frame Section Properties 01 - General, Part 2 of 5

Table 11: Frame Section Properties 01 - General, Part 2 of 5

SectionName	I2b	Itb
	m	m
2L 38X3mm		
2L 38X3mm VER		
2L 38X4.5mm		
FSEC1	0.127	0.009652
L 25X3mm		
L 38X3mm		
PTE100X200X8 mm		
PTE50X100X4m m		
PTEC50x50x3m m		
W2-90X140		
W-70X150		
W-90X140		

Table 11: Frame Section Properties 01 - General, Part 3 of 5

Table 11: Frame Section Properties 01 - General, Part 3 of 5

SectionName	Area	TorsConst	I33	I22	I23	AS2	AS3
	m2	m4	m4	m4	m4	m2	m2
2L 38X3mm	0.000435	1.265E-09	6.082E-08	1.107E-07	0.	0.000228	0.000225
2L 38X3mm VER	0.000438	1.274E-09	6.107E-08	1.104E-07	0.	0.000228	0.000228
2L 38X4.5mm	0.000644	4.143E-09	8.662E-08	6.717E-07	0.	0.000342	0.000342
FSEC1	0.004265	9.651E-08	0.000066	3.301E-06	0.	0.001935	0.002043
L 25X3mm	0.000141	4.032E-10	8.204E-09	8.204E-09	4.827E-09	0.000075	0.000075
L 38X3mm	0.000219	6.372E-10	3.054E-08	3.054E-08	1.817E-08	0.000114	0.000114
PTE100X200X8 mm	0.004544	0.000018	0.000023	7.579E-06	0.	0.0032	0.0016
PTE50X100X4m m	0.001136	1.099E-06	1.441E-06	4.737E-07	0.	0.0008	0.0004
PTEC50x50x3m m	0.000564	3.115E-07	2.085E-07	2.085E-07	0.	0.0003	0.0003
W2-90X140	0.0252	0.000041	0.000041	0.000221	0.	0.021106	0.0252
W-70X150	0.0105	0.000012	0.00002	4.288E-06	0.	0.00875	0.00875
W-90X140	0.0126	0.00002	0.000021	8.505E-06	0.	0.0105	0.0105

Table 11: Frame Section Properties 01 - General, Part 4 of 5

Table 11: Frame Section Properties 01 - General, Part 4 of 5

SectionName	S33	S22	Z33	Z22	R33	R22
	m3	m3	m3	m3	m	m
2L 38X3mm	2.226E-06	2.914E-06	4.012E-06	4.751E-06	0.011824	0.015955
2L 38X3mm VER	2.230E-06	2.905E-06	4.016E-06	4.647E-06	0.011808	0.015874
2L 38X4.5mm	3.226E-06	0.000012	5.814E-06	0.000019	0.011602	0.032307

Table 11: Frame Section Properties 01 - General, Part 4 of 5							
SectionName	S33	S22	Z33	Z22	R33	R22	
	m3	m3	m3	m3	m3	m3	
FSEC1	0.000431	0.000052	0.000491	0.000081	0.124145	0.027823	
L 25X3mm	4.648E-07	4.648E-07	8.377E-07	8.377E-07	0.007628	0.007628	
L 38X3mm	1.115E-06	1.115E-06	2.008E-06	2.008E-06	0.011808	0.011808	
PTE100X200X8 mm	0.000231	0.000152	0.000289	0.000175	0.071238	0.040839	
PTE50X100X4m m	0.000029	0.000019	0.000036	0.000022	0.035619	0.020419	
PTEC50x50x3m m	8.340E-06	8.340E-06	9.954E-06	9.954E-06	0.019227	0.019227	
W2-90X140	0.000588	0.001638	0.000882	0.002268	0.040415	0.093675	
W-70X150	0.000263	0.000123	0.000394	0.000184	0.043301	0.020207	
W-90X140	0.000294	0.000189	0.000441	0.000284	0.040415	0.025981	

Table 11: Frame Section Properties 01 - General, Part 5 of 5

Table 11: Frame Section Properties 01 - General, Part 5 of 5									
SectionName	AMod	A2Mod	A3Mod	JMod	I22Mod	I33Mod	MMod	WMod	
2L 38X3mm	1.	1.	1.	1.	1.	1.	1.	1.	1.
2L 38X3mm VER	1.	1.	1.	1.	1.	1.	1.	1.	1.
2L 38X4.5mm	1.	1.	1.	1.	1.	1.	1.	1.	1.
FSEC1	1.	1.	1.	1.	1.	1.	1.	1.	1.
L 25X3mm	1.	1.	1.	1.	1.	1.	1.	1.	1.
L 38X3mm	1.	1.	1.	1.	1.	1.	1.	1.	1.
PTE100X200X8 mm	1.	1.	1.	1.	1.	1.	1.	1.	1.
PTE50X100X4m m	1.	1.	1.	1.	1.	1.	1.	1.	1.
PTEC50x50x3m m	1.	1.	1.	1.	1.	1.	1.	1.	1.
W2-90X140	1.	1.	1.	1.	1.	1.	1.	1.	1.
W-70X150	1.	1.	1.	1.	1.	1.	1.	1.	1.
W-90X140	1.	1.	1.	1.	1.	1.	1.	1.	1.

Table 12: Frame Property Modifiers, Part 1 of 2

Table 12: Frame Property Modifiers, Part 1 of 2								
Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod	WeightMod
134	1.	1.	1.	1.	1.	1.	1.	1.
135	1.	1.	1.	1.	1.	1.	1.	1.
136	1.	1.	1.	1.	1.	1.	1.	1.
137	1.	1.	1.	1.	1.	1.	1.	1.
138	1.	1.	1.	1.	1.	1.	1.	1.
144	1.	1.	1.	1.	1.	1.	1.	1.
145	1.	1.	1.	1.	1.	1.	1.	1.
146	1.	1.	1.	1.	1.	1.	1.	1.
147	1.	1.	1.	1.	1.	1.	1.	1.
148	1.	1.	1.	1.	1.	1.	1.	1.
149	1.	1.	1.	1.	1.	1.	1.	1.
150	1.	1.	1.	1.	1.	1.	1.	1.
151	1.	1.	1.	1.	1.	1.	1.	1.
152	1.	1.	1.	1.	1.	1.	1.	1.

Table 12: Frame Property Modifiers, Part 1 of 2								
Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod	WeightMod
153	1.	1.	1.	1.	1.	1.	1.	1.
154	1.	1.	1.	1.	1.	1.	1.	1.
155	1.	1.	1.	1.	1.	1.	1.	1.
156	1.	1.	1.	1.	1.	1.	1.	1.
157	1.	1.	1.	1.	1.	1.	1.	1.
158	1.	1.	1.	1.	1.	1.	1.	1.
159	1.	1.	1.	1.	1.	1.	1.	1.
160	1.	1.	1.	1.	1.	1.	1.	1.
161	1.	1.	1.	1.	1.	1.	1.	1.
162	1.	1.	1.	1.	1.	1.	1.	1.
163	1.	1.	1.	1.	1.	1.	1.	1.
164	1.	1.	1.	1.	1.	1.	1.	1.
165	1.	1.	1.	1.	1.	1.	1.	1.
166	1.	1.	1.	1.	1.	1.	1.	1.
167	1.	1.	1.	1.	1.	1.	1.	1.
168	1.	1.	1.	1.	1.	1.	1.	1.
169	1.	1.	1.	1.	1.	1.	1.	1.
170	1.	1.	1.	1.	1.	1.	1.	1.
171	1.	1.	1.	1.	1.	1.	1.	1.
172	1.	1.	1.	1.	1.	1.	1.	1.
173	1.	1.	1.	1.	1.	1.	1.	1.
174	1.	1.	1.	1.	1.	1.	1.	1.
175	1.	1.	1.	1.	1.	1.	1.	1.
176	1.	1.	1.	1.	1.	1.	1.	1.
177	1.	1.	1.	1.	1.	1.	1.	1.
178	1.	1.	1.	1.	1.	1.	1.	1.
179	1.	1.	1.	1.	1.	1.	1.	1.

Table 12: Frame Property Modifiers, Part 2 of 2

Table 12: Frame Property Modifiers, Part 2 of 2		
Frame	EAModifier	EIModifier
134	0.8	0.8
135	0.8	0.8
136	0.8	0.8
137	0.8	0.8
138	0.8	0.8
144	0.8	0.8
145	0.8	0.8
146	0.8	0.8
147	0.8	0.8
148	0.8	0.8
149	0.8	0.8
150	0.8	0.8
151	0.8	0.8
152	0.8	0.8
153	0.8	0.8
154	0.8	0.8
155	0.8	0.8
156	0.8	0.8
157	0.8	0.8
158	0.8	0.8

Table 12: Frame Property Modifiers, Part 2 of 2		
Frame	EAModifier	EIModifier
159	0.8	0.8
160	0.8	0.8
161	0.8	0.8
162	0.8	0.8
163	0.8	0.8
164	0.8	0.8
165	0.8	0.8
166	0.8	0.8
167	0.8	0.8
168	0.8	0.8
169	0.8	0.8
170	0.8	0.8
171	0.8	0.8
172	0.8	0.8
173	0.8	0.8
174	0.8	0.8
175	0.8	0.8
176	0.8	0.8
177	0.8	0.8
178	0.8	0.8
179	0.8	0.8

3.2. Solids

Table 13: Solid Property Definitions

Table 13: Solid Property Definitions				
SolidProp	Material	MatAngleA Degrees	MatAngleB Degrees	MatAngleC Degrees
Solid1	4000Psi	0.	0.	0.

4. Load patterns

This section provides loading information as applied to the model.

4.1. Definitions

Table 14: Load Pattern Definitions

Table 14: Load Pattern Definitions			
LoadPat	DesignType	SelfWtMult	AutoLoad
DEAD	Dead	1.	
VIVA CUB	Live	0.	
VCOMP	Wind	0.	None
VSUCC	Wind	0.	None

Table 14: Load Pattern Definitions			
LoadPat	DesignType	SelfWtMult	AutoLoad
MUERTA CUB	Dead	0.	

5. Load cases

This section provides load case information.

5.1. Definitions

Table 15: Load Case Definitions, Part 1 of 2

Table 15: Load Case Definitions, Part 1 of 2					
Case	Type	InitialCond	ModalCase	BaseCase	DesActOpt
DEAD	LinStatic	Zero			Prog Det
MODAL	LinModal	Zero			Prog Det
VIVA CUB	LinStatic	Zero			Prog Det
VCOMP	LinStatic	Zero			Prog Det
VSUCC	LinStatic	Zero			Prog Det
MUERTA CUB	LinStatic	Zero			Prog Det

Table 15: Load Case Definitions, Part 2 of 2

Table 15: Load Case Definitions, Part 2 of 2	
Case	DesignAct
DEAD	Non-Compos ite
MODAL	Other
VIVA CUB	Short-Term Composite
VCOMP	Short-Term Composite
VSUCC	Short-Term Composite
MUERTA CUB	Non-Compos ite

5.2. Static case load assignments

Table 16: Case - Static 1 - Load Assignments

Table 16: Case - Static 1 - Load Assignments			
Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1.
VIVA CUB	Load pattern	VIVA CUB	1.

Table 16: Case - Static 1 - Load Assignments			
Case	LoadType	LoadName	LoadSF
VCOMP	Load pattern	VCOMP	1.
VSUCC	Load pattern	VSUCC	1.
MUERTA CUB	Load pattern	MUERTA CUB	1.

5.3. Response spectrum case load assignments

Table 17: Function - Response Spectrum - User

Table 17: Function - Response Spectrum - User			
Name	Period Sec	Accel	FuncDamp
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

6. Load combinations

This section provides load combination information.

Table 18: Combination Definitions

Table 18: Combination Definitions			
ComboName	ComboType	CaseName	ScaleFactor
CMUERTA	Linear Add	DEAD	1.
CMUERTA		MUERTA CUB	1.
COMB1	Linear Add	CMUERTA	1.
COMB2	Linear Add	CMUERTA	1.
COMB2		VIVA CUB	1.
SERVICIO	Linear Add	CMUERTA	1.
SERVICIO		VIVA CUB	1.
COMB3	Linear Add	CMUERTA	1.
COMB3		VIVA CUB	1.
COMB4	Linear Add	CMUERTA	1.
COMB4		VIVA CUB	0.75
COMB5	Linear Add	CMUERTA	1.
COMB5		VSUCC	1.
COMB7	Linear Add	CMUERTA	0.6
COMB6	Linear Add	CMUERTA	1.
COMB6		VCOMP	1.
ENVE	Envelope	COMB1	1.
ENVE		COMB2	1.
ENVE		COMB4	1.
ENVE		COMB3	1.
ENVE		COMB5	1.
ENVE		COMB7	1.
ENVE		COMB6	1.

7. Structure results

This section provides structure results, including items such as structural periods and base reactions.

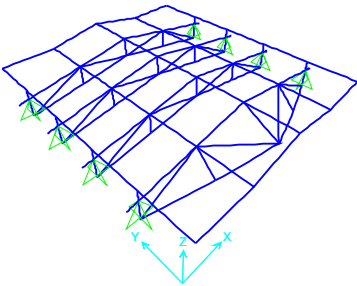


Figure 2: Deformed shape

7.1. Mass summary

Table 19: Assembled Joint Masses, Part 1 of 2

Table 19: Assembled Joint Masses, Part 1 of 2								
Joint	MassSource	U1 Tonf-s2/m	U2 Tonf-s2/m	U3 Tonf-s2/m	R1 Tonf-m-s2	R2 Tonf-m-s2	R3 Tonf-m-s2	CenterX m
23	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	0.475
24	MSSSRC1	9.371E-03	9.371E-03	9.371E-03	0.	0.	0.	5.75
25	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	11.025
26	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	11.025
27	MSSSRC1	1.175E-02	1.175E-02	1.175E-02	0.	0.	0.	8.3875
28	MSSSRC1	8.608E-03	8.608E-03	8.608E-03	0.	0.	0.	5.75
29	MSSSRC1	1.172E-02	1.172E-02	1.172E-02	0.	0.	0.	3.1125
30	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	0.475
31	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	3.1125
32	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	8.3875
33	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	-3.331E-16
34	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	11.5
35	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	0.475
36	MSSSRC1	9.371E-03	9.371E-03	9.371E-03	0.	0.	0.	5.75
37	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	11.025
38	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	11.025
39	MSSSRC1	1.175E-02	1.175E-02	1.175E-02	0.	0.	0.	8.3875
40	MSSSRC1	8.639E-03	8.639E-03	8.639E-03	0.	0.	0.	5.75
41	MSSSRC1	1.175E-02	1.175E-02	1.175E-02	0.	0.	0.	3.1125
42	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	0.475

Table 19: Assembled Joint Masses, Part 1 of 2									
Joint	MassSource	U1 Tonf-s2/m	U2 Tonf-s2/m	U3 Tonf-s2/m	R1 Tonf-m-s2	R2 Tonf-m-s2	R3 Tonf-m-s2	CenterX m	
43	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	3.1125	
44	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	8.3875	
45	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	-3.331E-16	
46	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	11.5	
47	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	0.475	
48	MSSSRC1	9.371E-03	9.371E-03	9.371E-03	0.	0.	0.	5.75	
49	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	11.025	
50	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	11.025	
51	MSSSRC1	1.175E-02	1.175E-02	1.175E-02	0.	0.	0.	8.3875	
52	MSSSRC1	8.639E-03	8.639E-03	8.639E-03	0.	0.	0.	5.75	
53	MSSSRC1	1.175E-02	1.175E-02	1.175E-02	0.	0.	0.	3.1125	
54	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	0.475	
55	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	3.1125	
56	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	8.3875	
57	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	-3.331E-16	
58	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	11.5	
59	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	0.475	
60	MSSSRC1	9.371E-03	9.371E-03	9.371E-03	0.	0.	0.	5.75	
61	MSSSRC1	5.613E-03	5.613E-03	5.613E-03	0.	0.	0.	11.025	
62	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	11.025	
63	MSSSRC1	1.175E-02	1.175E-02	1.175E-02	0.	0.	0.	8.3875	
64	MSSSRC1	8.639E-03	8.639E-03	8.639E-03	0.	0.	0.	5.75	
65	MSSSRC1	1.175E-02	1.175E-02	1.175E-02	0.	0.	0.	3.1125	
66	MSSSRC1	4.723E-03	4.723E-03	4.723E-03	0.	0.	0.	0.475	
67	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	3.1125	
68	MSSSRC1	6.412E-03	6.412E-03	6.412E-03	0.	0.	0.	8.3875	
69	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	-3.331E-16	
70	MSSSRC1	5.310E-04	5.310E-04	5.310E-04	0.	0.	0.	11.5	
83	MSSSRC1	3.491E-03	3.491E-03	3.491E-03	0.	0.	0.	8.3875	
84	MSSSRC1	3.523E-03	3.523E-03	3.523E-03	0.	0.	0.	8.3875	
87	MSSSRC1	3.491E-03	3.491E-03	3.491E-03	0.	0.	0.	3.1125	
88	MSSSRC1	3.523E-03	3.523E-03	3.523E-03	0.	0.	0.	3.1125	
89	MSSSRC1	3.511E-03	3.511E-03	3.511E-03	0.	0.	0.	5.75	
90	MSSSRC1	3.543E-03	3.543E-03	3.543E-03	0.	0.	0.	5.75	
91	MSSSRC1	2.398E-03	2.398E-03	2.398E-03	0.	0.	0.	0.475	
92	MSSSRC1	2.272E-03	2.272E-03	2.272E-03	0.	0.	0.	0.475	
93	MSSSRC1	2.430E-03	2.430E-03	2.430E-03	0.	0.	0.	0.475	
94	MSSSRC1	2.430E-03	2.430E-03	2.430E-03	0.	0.	0.	0.475	
95	MSSSRC1	2.430E-03	2.430E-03	2.430E-03	0.	0.	0.	0.475	
96	MSSSRC1	2.304E-03	2.304E-03	2.304E-03	0.	0.	0.	0.475	
97	MSSSRC1	2.398E-03	2.398E-03	2.398E-03	0.	0.	0.	11.025	
98	MSSSRC1	2.272E-03	2.272E-03	2.272E-03	0.	0.	0.	11.025	
99	MSSSRC1	2.430E-03	2.430E-03	2.430E-03	0.	0.	0.	11.025	
100	MSSSRC1	2.430E-03	2.430E-03	2.430E-03	0.	0.	0.	11.025	
101	MSSSRC1	2.430E-03	2.430E-03	2.430E-03	0.	0.	0.	11.025	
102	MSSSRC1	2.304E-03	2.304E-03	2.304E-03	0.	0.	0.	11.025	
SumAccelUX	MSSSRC1	0.35	0.	0.	0.	0.	0.	5.75	
SumAccelUY	MSSSRC1	0.	0.35	0.	0.	0.	0.	5.75	
SumAccelUZ	MSSSRC1	0.	0.	0.35	0.	0.	0.	5.75	

Table 19: Assembled Joint Masses, Part 2 of 2

Table 19: Assembled Joint Masses, Part 2 of 2				
Joint	MassSource	CenterY m	CenterZ m	
23	MSSSRC1	2.36	0.	
24	MSSSRC1	2.36	0.9304	
25	MSSSRC1	2.36	0.	
26	MSSSRC1	2.36	0.9304	
27	MSSSRC1	2.36	1.4152	
28	MSSSRC1	2.36	1.9	
29	MSSSRC1	2.36	1.4152	
30	MSSSRC1	2.36	0.9304	
31	MSSSRC1	2.36	0.4652	
32	MSSSRC1	2.36	0.4652	
33	MSSSRC1	2.36	0.84309	
34	MSSSRC1	2.36	0.84309	
35	MSSSRC1	4.79	0.	
36	MSSSRC1	4.79	0.9304	
37	MSSSRC1	4.79	0.	
38	MSSSRC1	4.79	0.9304	
39	MSSSRC1	4.79	1.4152	
40	MSSSRC1	4.79	1.9	
41	MSSSRC1	4.79	1.4152	
42	MSSSRC1	4.79	0.9304	
43	MSSSRC1	4.79	0.4652	
44	MSSSRC1	4.79	0.4652	
45	MSSSRC1	4.79	0.84309	
46	MSSSRC1	4.79	0.84309	
47	MSSSRC1	7.22	0.	
48	MSSSRC1	7.22	0.9304	
49	MSSSRC1	7.22	0.	
50	MSSSRC1	7.22	0.9304	
51	MSSSRC1	7.22	1.4152	
52	MSSSRC1	7.22	1.9	
53	MSSSRC1	7.22	1.4152	
54	MSSSRC1	7.22	0.9304	
55	MSSSRC1	7.22	0.4652	
56	MSSSRC1	7.22	0.4652	
57	MSSSRC1	7.22	0.84309	
58	MSSSRC1	7.22	0.84309	
59	MSSSRC1	9.65	0.	
60	MSSSRC1	9.65	0.9304	
61	MSSSRC1	9.65	0.	
62	MSSSRC1	9.65	0.9304	
63	MSSSRC1	9.65	1.4152	
64	MSSSRC1	9.65	1.9	
65	MSSSRC1	9.65	1.4152	
66	MSSSRC1	9.65	0.9304	
67	MSSSRC1	9.65	0.4652	
68	MSSSRC1	9.65	0.4652	
69	MSSSRC1	9.65	0.84309	
70	MSSSRC1	9.65	0.84309	
83	MSSSRC1	0.	1.4152	
84	MSSSRC1	12.08	1.4152	
87	MSSSRC1	0.	1.4152	
88	MSSSRC1	12.08	1.4152	
89	MSSSRC1	0.	1.9	

Table 19: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY m	CenterZ m
90	MSSSRC1	12.08	1.9
91	MSSSRC1	2.36	1.4152
92	MSSSRC1	0.	1.4152
93	MSSSRC1	4.79	1.4152
94	MSSSRC1	7.22	1.4152
95	MSSSRC1	9.65	1.4152
96	MSSSRC1	12.08	1.4152
97	MSSSRC1	2.36	1.4152
98	MSSSRC1	0.	1.4152
99	MSSSRC1	4.79	1.4152
100	MSSSRC1	7.22	1.4152
101	MSSSRC1	9.65	1.4152
102	MSSSRC1	12.08	1.4152
SumAccelUX	MSSSRC1	6.01235	1.04479
SumAccelUY	MSSSRC1	6.01235	1.04479
SumAccelUZ	MSSSRC1	6.01235	1.04479

7.2. Modal results

Table 20: Modal Participating Mass Ratios

Table 20: Modal Participating Mass Ratios								
OutputCase	StepNum	Period Sec	UX	UY	UZ	SumUX	SumUY	SumUZ
MODAL	1.	0.473624	0.	0.097557	0.000011	0.	0.097557	0.000011
MODAL	2.	0.42166	1.140E-20	0.288228	1.070E-06	1.232E-20	0.385786	0.000012
MODAL	3.	0.40681	1.152E-20	1.216E-08	1.543E-07	2.384E-20	0.385786	0.000012
MODAL	4.	0.406746	2.524E-20	4.165E-07	2.651E-07	4.908E-20	0.385786	0.000012
MODAL	5.	0.289904	0.048428	8.128E-19	1.945E-16	0.048428	0.385786	0.000012
MODAL	6.	0.276467	0.047746	1.631E-17	1.961E-15	0.096174	0.385786	0.000012
MODAL	7.	0.250061	1.439E-16	0.284071	0.000213	0.096174	0.669857	0.000225
MODAL	8.	0.213309	2.341E-16	0.020807	0.050231	0.096174	0.690664	0.050457
MODAL	9.	0.206404	0.	0.015114	0.04054	0.096174	0.705778	0.090996
MODAL	10.	0.18901	0.000066	1.836E-16	6.704E-15	0.09624	0.705778	0.090996
MODAL	11.	0.182563	0.000075	4.304E-19	6.531E-19	0.096315	0.705778	0.090996
MODAL	12.	0.169786	1.498E-19	0.00326	0.00001	0.096315	0.709307	0.091007

8. Joint results

Table 21: Base Reactions						
OutputCase	GlobalFX Tonf	GlobalFY Tonf	GlobalFZ Tonf	GlobalMX Tonf-m	GlobalMY Tonf-m	GlobalMZ Tonf-m
MUERTA CUB	-1.328E-14	-2.887E-15	5.0098	30.25244	-28.80638	1.613E-13

8. Joint results

This section provides joint results, including items such as displacements and reactions.

Table 22: Joint Displacements

Table 22: Joint Displacements							
Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
23	DEAD	-0.000315	-0.000077	-7.230E-06	-0.000079	0.000411	-0.00012
23	VIVA CUB	-0.000763	-0.000517	-0.000014	-0.000543	0.000875	-0.000518
23	VCOMP	-0.00061	-0.000414	-0.000011	-0.000434	0.0007	-0.000414
23	VSUCC	0.00061	0.000414	0.000011	0.000434	-0.0007	0.000414
23	MUERTA CUB	-0.00071	-0.000428	-0.000013	-0.000441	0.000816	-0.000736
24	DEAD	4.931E-20	-0.000699	-0.001248	0.000761	-3.480E-19	7.908E-20
24	VIVA CUB	1.782E-19	-0.003017	-0.003033	0.003078	-1.245E-18	1.366E-19
24	VCOMP	1.318E-19	-0.002413	-0.002426	0.002462	-1.191E-18	1.289E-19
24	VSUCC	-1.318E-19	0.002413	0.002426	-0.002462	1.191E-18	-1.289E-19
24	MUERTA CUB	1.994E-19	-0.004301	-0.002819	0.004737	-1.604E-18	4.366E-19
25	DEAD	0.000315	-0.000077	-7.230E-06	-0.000079	-0.000411	0.00012
25	VIVA CUB	0.000763	-0.000517	-0.000014	-0.000543	-0.000875	0.000518
25	VCOMP	0.00061	-0.000414	-0.000011	-0.000434	-0.0007	0.000414
25	VSUCC	-0.00061	0.000414	0.000011	0.000434	0.0007	-0.000414
25	MUERTA CUB	0.00071	-0.000428	-0.000013	-0.000441	-0.000816	0.000736
26	DEAD	0.	0.	0.	-0.000085	-0.000392	0.000013
26	VIVA CUB	0.	0.	0.	-0.000569	-0.000866	0.000078
26	VCOMP	0.	0.	0.	-0.000455	-0.000693	0.000062
26	VSUCC	0.	0.	0.	0.000455	0.000693	-0.000062
26	MUERTA CUB	0.	0.	0.	-0.000479	-0.000804	0.000067
27	DEAD	-0.000083	0.000044	-0.000095	0.002151	-0.000235	-0.000448
27	VIVA CUB	-0.000202	0.000214	-0.0024	0.00902	-0.000595	-0.001887
27	VCOMP	-0.000161	0.000171	-0.00192	0.007216	-0.000476	-0.00151
27	VSUCC	0.000161	-0.000171	0.00192	-0.007216	0.000476	0.00151
27	MUERTA CUB	-0.000189	0.000278	-0.002239	0.013317	-0.000548	-0.002777
28	DEAD	-1.955E-19	0.000034	-0.001225	0.001598	1.470E-19	-0.066E-19
28	VIVA CUB	-3.244E-19	0.000196	-0.002993	0.006584	-1.380E-19	-9.762E-19
28	VCOMP	-2.704E-19	0.000157	-0.002394	0.005267	-6.707E-20	-7.593E-19
28	VSUCC	2.704E-19	-0.000157	0.002394	-0.005267	6.707E-20	7.593E-19
28	MUERTA CUB	-3.790E-19	0.000216	-0.002781	0.009937	-3.651E-19	-1.952E-18
29	DEAD	-0.000083	0.000044	-0.000095	0.002151	0.000235	0.000448
29	VIVA CUB	0.000202	0.000214	-0.0024	0.00902	0.000595	0.001887
29	VCOMP	0.000161	0.000171	-0.00192	0.007216	0.000476	0.00151
29	VSUCC	-0.000161	-0.000171	0.00192	-0.007216	-0.000476	-0.00151
29	MUERTA CUB	0.000189	0.000278	-0.002239	0.013317	0.000548	0.002777
30	DEAD	0.	0.	0.	-0.000085	-0.000392	-0.000013
30	VIVA CUB	0.	0.	0.	-0.000569	-0.000866	-0.000078
30	VCOMP	0.	0.	0.	-0.000455	-0.000693	-0.000062
30	VSUCC	0.	0.	0.	0.000455	-0.000693	0.000062
30	MUERTA CUB	0.	0.	0.	-0.000479	-0.000804	-0.000067

CEYCO

8. Joint results

Table 22: Joint Displacements							
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
31	DEAD	-0.000094	-0.000369	-0.000988	0.0004	0.000254	-0.000045
31	VIVA CUB	-0.000227	-0.001887	-0.002399	0.001515	0.000648	-0.000159
31	VCOMP	-0.000182	-0.00135	-0.001919	0.001212	-0.000519	0.000159
31	VSUCC	0.000182	0.00135	0.001919	-0.001212	-0.000519	0.000159
31	MUERTA CUB	-0.00021	-0.002247	-0.002238	0.002511	0.000602	-0.000279
32	DEAD	0.000094	-0.000369	-0.000988	0.0004	-0.000254	0.000045
32	VIVA CUB	0.000227	-0.001887	-0.002399	0.001515	-0.000648	0.000159
32	VCOMP	0.000182	-0.00135	-0.001919	0.001212	-0.000519	0.000159
32	VSUCC	-0.000182	0.00135	0.001919	-0.001212	0.000519	-0.000159
32	MUERTA CUB	0.00021	-0.002247	-0.002238	0.002511	-0.000602	0.000279
33	DEAD	-0.000033	-1.208E-06	0.000182	-0.000085	-0.000384	-0.000013
33	VIVA CUB	-0.000076	-0.000013	0.000411	-0.000569	0.000455	-0.000078
33	VCOMP	-0.00006	-0.00001	-0.000329	-0.000455	0.000693	-0.000062
33	VSUCC	0.00006	0.00001	-0.000329	0.000455	-0.000693	0.000062
33	MUERTA CUB	-0.00007	-9.780E-06	0.000382	-0.000479	0.000804	-0.000067
34	DEAD	0.000033	-1.208E-06	0.000182	-0.000085	-0.000384	0.000013
34	VIVA CUB	0.000076	-0.000013	0.000411	-0.000569	-0.000455	0.000078
34	VCOMP	0.00006	-0.00001	-0.000329	-0.000455	-0.000693	0.000062
34	VSUCC	-0.00006	0.00001	-0.000329	0.000455	0.000693	-0.000062
34	MUERTA CUB	0.00007	-9.780E-06	0.000382	-0.000479	-0.000804	0.000067
35	DEAD	-0.000202	-7.127E-06	-5.035E-06	-7.777E-06	0.000308	1.606E-06
35	VIVA CUB	-0.000272	-0.000037	-4.806E-06	-0.000041	0.00031	0.00001
35	VCOMP	-0.000217	-0.00003	-3.845E-06	-0.000033	0.000248	8.312E-06
35	VSUCC	0.000217	0.00003	3.845E-06	0.000033	-0.000248	-8.312E-06
35	MUERTA CUB	2.631E-06	-0.000052	2.378E-07	-0.000056	-9.047E-06	0.00001
36	DEAD	-3.911E-20	0.000054	-0.000797	-0.0012	-2.839E-19	0.
36	VIVA CUB	-1.869E-19	0.000242	-0.001096	-0.000052	-8.476E-20	-1.686E-20
36	VCOMP	-1.519E-19	0.000194	-0.000877	-0.000416	-6.951E-20	-1.574E-20
36	VSUCC	1.519E-19	-0.000194	0.000877	0.000416	6.951E-20	-1.574E-20
36	MUERTA CUB	-2.215E-19	0.000336	-4.364E-06	-0.000748	6.371E-19	6.069E-20
37	DEAD	0.000202	-7.127E-06	-5.035E-06	-7.777E-06	-0.000308	-1.606E-06
37	VIVA CUB	0.000272	-0.000037	-4.806E-06	-0.000041	-0.00031	-0.00001
37	VCOMP	0.000217	-0.00003	-3.845E-06	-0.000033	-0.000248	-8.312E-06
37	VSUCC	-0.000217	0.00003	3.845E-06	0.000033	0.000248	8.312E-06
37	MUERTA CUB	2.631E-06	-0.000052	2.378E-07	-0.000056	9.047E-06	-0.00001
38	DEAD	0.	0.	0.	-6.100E-06	-0.000264	-0.000022
38	VIVA CUB	0.	0.	0.	-0.000034	-0.000312	-0.000099
38	VCOMP	0.	0.	0.	-0.000027	-0.00025	-0.000079
38	VSUCC	0.	0.	0.	0.000027	0.00025	0.000079
38	MUERTA CUB	0.	0.	0.	-0.000046	-5.200E-06	-0.000134
39	DEAD	-0.000052	0.000039	-0.000624	-0.000532	-0.000114	0.000104
39	VIVA CUB	-0.000019	0.000019	-0.000219	-0.000219	-0.00021	0.000421
39	VCOMP	-0.000055	0.000152	-0.000673	-0.001775	-0.000192	0.000337
39	VSUCC	0.000055	-0.000152	0.000673	0.001775	0.000192	-0.000337
39	MUERTA CUB	3.922E-06	0.000243	0.000022	-0.003283	-0.000011	0.000641
40	DEAD	-1.195E-19	0.000044	-0.000781	-0.00027	1.140E-19	-1.236E-19
40	VIVA CUB	-1.861E-19	0.000239	-0.001083	-0.001098	3.591E-19	-6.098E-19
40	VCOMP	-1.515E-19	0.000191	-0.000866	-0.000879	2.588E-19	-5.488E-19
40	VSUCC	1.515E-19	-0.000191	0.000866	0.000879	-2.588E-19	5.488E-19
40	MUERTA CUB	-1.863E-20	0.00029	-5.992E-06	-0.001474	7.536E-19	-9.487E-19
41	DEAD	0.000052	0.000039	-0.000624	-0.000532	0.000114	-0.000104
41	VIVA CUB	0.000069	0.00019	-0.000841	-0.002219	0.00024	-0.000421
41	VCOMP	0.000055	0.000152	-0.000673	-0.001775	0.000192	-0.000337
41	VSUCC	-0.000055	-0.000152	0.000673	0.001775	-0.000192	0.000337

CEYCO

8. Joint results

Table 22: Joint Displacements							
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
41	MUERTA CUB	-3.922E-06	0.000243	0.000022	-0.003283	0.000011	-0.000641
42	DEAD	0.	0.	0.	-6.100E-06	0.000264	0.000022
42	VIVA CUB	0.	0.	0.	-0.000034	0.000312	0.000099
42	VCOMP	0.	0.	0.	-0.000027	0.00025	-0.000079
42	VSUCC	0.	0.	0.	0.000027	-0.00025	-0.000079
42	MUERTA CUB	0.	0.	0.	-0.000046	5.200E-06	0.000134
43	DEAD	-0.000061	0.000012	-0.000628	-0.000076	0.000151	-2.159E-06
43	VIVA CUB	-0.000085	0.000053	-0.000841	-0.00033	0.000235	-6.855E-06
43	VCOMP	-0.000068	0.000043	-0.000673	-0.000264	0.000188	-5.484E-06
43	VSUCC	0.000068	-0.000043	0.000673	0.000264	-0.000188	5.484E-06
43	MUERTA CUB	-2.849E-06	0.000068	0.000022	-0.000477	3.301E-06	-0.000013
44	DEAD	0.000061	0.000012	-0.000628	-0.000076	-0.000151	2.159E-06
44	VIVA CUB	0.000085	0.000053	-0.000841	-0.00033	-0.000235	6.855E-06
44	VCOMP	0.000068	0.000043	-0.000673	-0.000264	-0.000188	5.484E-06
44	VSUCC	-0.000068	-0.000043	0.000673	0.000264	0.000188	-5.484E-06
44	MUERTA CUB	2.849E-06	0.000068	0.000022	-0.000477	-3.301E-06	0.000013
45	DEAD	-0.000022	-0.000011	0.000121	-6.100E-06	0.000255	0.000022
45	VIVA CUB	-0.000027	-0.00005	0.000148	-0.000034	0.000312	0.000099
45	VCOMP	-0.000022	-0.00004	0.000119	-0.000027	0.00025	-0.000079
45	VSUCC	0.000022	0.00004	-0.000119	0.000027	-0.00025	-0.000079
45	MUERTA CUB	-4.540E-07	-0.000068	2.470E-06	-0.000046	5.200E-06	0.000134
46	DEAD	0.000022	-0.000011	0.000121	-6.100E-06	-0.000255	-0.000022
46	VIVA CUB	0.000027	-0.00005	0.000148	-0.000034	-0.000312	-0.000099
46	VCOMP	0.000022	-0.00004	0.000119	-0.000027	-0.00025	-0.000079
46	VSUCC	-0.000022	0.00004	-0.000119	0.000027	0.00025	0.000079
46	MUERTA CUB	4.540E-07	-0.000068	2.470E-06	-0.000046	-5.200E-06	-0.000134
47	DEAD	-0.000021	-0.00035	5.021E-06	0.000047	8.275E-06	0.000026
47	VIVA CUB	-0.000261	-0.000242	-4.632E-06	-0.00026	0.000298	0.000033
47	VCOMP	-0.000209	-0.000193	-3.699E-06	-0.000208	0.000238	0.000026
47	VSUCC	0.000209	0.000193	3.699E-06	0.000208	-0.000238	-0.000026
47	MUERTA CUB	9.760E-06	-0.000204	3.456E-07	-0.000219	-0.000017	0.000053
48	DEAD	-1.169E-19	-0.000017	-0.000793	0.000052	2.287E-19	-2.220E-20
48	VIVA CUB	-1.330E-19	-0.000092	-0.001053	0.000149	8.216E-20	-1.578E-19
48	VCOMP	-1.262E-19	-0.000074	-0.000842	0.000119	1.539E-19	-1.010E-19
48	VSUCC	1.262E-19	0.000074	0.000842	-0.000119	-1.539E-19	1.010E-19
48	MUERTA CUB	1.902E-19	-0.000099	0.000026	0.000327	-5.415E-19	-1.152E-19
49	DEAD	0.000201	-0.000035	-5.021E-06	-0.00038	-0.000307	-8.275E-06
49	VIVA CUB	0.000261	-0.000242	-4.632E-06	-0.00026	-0.000298	-0.000033
49	VCOMP	0.000209	-0.000193	-3.699E-06	-0.000208	-0.000238	-0.000026
49	VSUCC	-0.000209	0.000193	3.699E-06	0.000208	0.000238	0.000026
49	MUERTA CUB	-9.760E-06	-0.000204	3.456E-07	0.000219	0.000017	-0.000053
50	DEAD	0.	0.	0.	-0.000023	1.068E-07	0.000023
50	VIVA CUB	0.	0.	0.	0.000024	-0.000003	8.205E-06
50	VCOMP	0.	0.	0.	-0.000024	-0.000041	6.564E-06
50	VSUCC	0.	0.	0.	0.000024	0.000041	-6.564E-06
50	MUERTA CUB	0.	0.	0.	-0.000023	2.112E-06	-4.000E-06
51	DEAD	-0.000052	0.000034	-0.000621	0.000532	-0.000113	-0.000123
51	VIVA CUB	-0.000066	0.000171	-0.000809	0.002266	-0.000023	-0.000536
51	VCOMP	-0.000053	0.000137	-0.000647	0.001813	-0.000188	-0.000429
51	VSUCC	0.000053	-0.000137	0.000647	-0.001813	0.000188	0.000429
51	MUERTA CUB	5.496E-06	0.000215	0.000043	0.003294	5.337E-06	-0.000766
52	DEAD	-1.382E-19	0.000053	0.000776	0.000777	5.122E-19	-2.052E-20
52	VIVA CUB	-2.110E-19	0.000075	0.001041	0.001144	2.745E-19	-2.000E-19
52	VCOMP	-1.668E-19	0.00022	-0.000832	0.000916	2.713E-19	-1.790E-19

Table 22: Joint Displacements							
Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
63	VCOMP	-0.000165	0.000118	-0.001971	-0.00752	-0.000527	0.001541
63	VSUCC	0.000165	-0.000118	0.001971	0.00752	0.000527	-0.001541
63	MUERTA CUB	-0.000191	0.000181	-0.002276	-0.0136	-0.000603	0.002784
64	DEAD	-9.148E-20	0.000063	-0.001233	-0.001674	1.029E-18	-2.016E-18
64	VIVA CUB	-8.445E-20	0.000318	-0.003079	-0.007144	3.063E-18	-8.340E-18
64	VCOMP	-7.336E-20	0.000255	-0.002463	-0.005715	2.444E-18	-6.860E-18
64	VSUCC	7.336E-20	-0.000255	0.002463	0.005715	-2.444E-18	6.860E-18
64	MUERTA CUB	1.767E-19	0.000397	-0.002834	-0.010439	3.672E-18	-1.225E-17
65	DEAD	0.000083	0.000029	-0.000991	-0.002175	0.000208	-0.000448
65	VIVA CUB	0.000207	-0.000148	-0.002464	-0.0094	0.000659	-0.001826
65	VCOMP	0.000165	0.000118	-0.001971	-0.00752	0.000527	-0.001541
65	VSUCC	-0.000165	-0.000118	0.001971	0.00752	-0.000527	0.001541
65	MUERTA CUB	0.000191	0.000181	-0.002276	-0.0136	0.000603	-0.002784
66	DEAD	0.	0.	0.	0.000032	0.000391	0.000038
66	VIVA CUB	0.	0.	0.	0.000263	0.000878	0.000192
66	VCOMP	0.	0.	0.	0.00021	0.000702	0.000154
66	VSUCC	0.	0.	0.	-0.00021	-0.000702	-0.000154
66	MUERTA CUB	0.	0.	0.	0.00015	0.000806	0.000227
67	DEAD	-0.000095	0.000025	-0.000995	-0.002227	0.000248	-0.00002
67	VIVA CUB	-0.000234	0.000196	-0.002463	-0.000888	0.000664	-0.00008
67	VCOMP	-0.000187	0.000157	-0.00197	-0.00071	0.000531	-0.000064
67	VSUCC	0.000187	-0.000157	0.00197	0.00071	-0.000531	0.000064
67	MUERTA CUB	-0.000215	0.000126	-0.002275	-0.001448	0.000611	-0.000124
68	DEAD	0.000095	0.000025	-0.000995	-0.002227	0.000248	0.00002
68	VIVA CUB	0.000234	0.000196	-0.002463	-0.000888	0.000664	0.00008
68	VCOMP	0.000187	0.000157	-0.00197	-0.00071	0.000531	0.000064
68	VSUCC	-0.000187	-0.000157	0.00197	0.00071	-0.000531	-0.000064
68	MUERTA CUB	0.000215	0.000126	-0.002275	-0.001448	0.000611	0.000124
69	DEAD	-0.000033	-0.000015	0.000181	0.000032	0.000383	0.000038
69	VIVA CUB	-0.000077	-0.000068	0.000417	0.000263	0.000878	0.000192
69	VCOMP	-0.000061	-0.000055	0.000334	0.00021	0.000702	0.000154
69	VSUCC	0.000061	0.000055	-0.000334	-0.00021	-0.000702	-0.000154
69	MUERTA CUB	-0.00007	-0.000095	0.000383	0.00015	0.000806	0.000227
70	DEAD	-0.000033	-0.000015	0.000181	0.000032	0.000383	0.000038
70	VIVA CUB	-0.000077	-0.000068	0.000417	0.000263	0.000878	0.000192
70	VCOMP	-0.000061	-0.000055	0.000334	0.00021	0.000702	0.000154
70	VSUCC	-0.000061	0.000055	-0.000334	-0.00021	-0.000702	0.000154
70	MUERTA CUB	0.00007	-0.000095	0.000383	0.00015	-0.000806	-0.000227
83	DEAD	-0.000089	0.000044	-0.011268	0.005187	-0.000235	0.000218
83	VIVA CUB	-0.000629	0.000214	-0.044331	0.020127	-0.000595	0.000699
83	VCOMP	-0.000503	0.000171	-0.035465	0.016101	-0.000476	0.000559
83	VSUCC	0.000503	-0.000171	0.035465	-0.016101	0.000476	-0.000559
83	MUERTA CUB	-0.000657	0.000278	-0.065516	0.03164	-0.000548	0.001074
84	DEAD	-0.000072	0.000029	-0.012034	-0.005441	-0.000208	-0.000028
84	VIVA CUB	-0.000582	0.000148	-0.048655	-0.021649	-0.000659	-0.000753
84	VCOMP	-0.000465	0.000118	-0.038924	-0.017319	-0.000527	-0.000603
84	VSUCC	0.000465	-0.000118	0.038924	0.017319	0.000527	0.000603
84	MUERTA CUB	-0.000547	0.000181	-0.070357	-0.033248	-0.000603	-0.001142
87	DEAD	0.000089	0.000044	-0.011268	0.005187	-0.000235	0.000218
87	VIVA CUB	0.000629	0.000214	-0.044331	0.020127	-0.000595	0.000699
87	VCOMP	0.000503	0.000171	-0.035465	0.016101	0.000476	0.000559
87	VSUCC	-0.000503	-0.000171	0.035465	-0.016101	0.000476	-0.000559
87	MUERTA CUB	0.000657	0.000278	-0.065516	0.03164	0.000548	-0.001074
88	DEAD	0.000072	0.000029	-0.012034	-0.005441	0.000208	0.000228

Table 22: Joint Displacements							
Joint	OutputCase	U1	U2	U3	R1 Radians	R2 Radians	R3 Radians
88	VIVA CUB	0.000582	0.000148	-0.048655	-0.021649	0.000659	0.000753
88	VCOMP	0.000465	0.000118	-0.038924	-0.017319	0.000527	0.000603
88	VSUCC	-0.000465	-0.000118	0.038924	0.017319	-0.000527	-0.000603
88	MUERTA CUB	0.000547	0.000181	-0.070357	-0.033248	0.000603	0.001142
89	DEAD	-8.489E-17	0.000034	-0.010788	0.000514	1.518E-18	-5.224E-17
89	VIVA CUB	-1.896E-16	0.000196	-0.040917	0.01931	4.384E-18	-1.139E-16
89	VCOMP	-1.547E-16	0.000157	-0.032733	0.015448	3.681E-18	-9.306E-17
89	VSUCC	1.547E-16	-0.000157	0.032733	-0.015448	-3.681E-18	9.306E-17
89	MUERTA CUB	-4.264E-16	0.000216	-0.061952	0.031728	8.273E-18	-2.610E-16
90	DEAD	4.092E-16	0.000063	-0.011544	-0.005459	2.450E-18	-2.490E-16
90	VIVA CUB	1.655E-15	0.000318	-0.046496	-0.020947	7.147E-18	-1.007E-15
90	VCOMP	1.352E-15	0.000255	-0.036397	-0.016757	6.191E-18	-8.223E-16
90	VSUCC	-1.352E-15	-0.000255	0.036397	0.016757	-6.191E-18	8.223E-16
90	MUERTA CUB	2.439E-15	0.000397	-0.067389	-0.033595	1.249E-17	-1.483E-15
91	DEAD	0.000184	-9.117E-06	-1.375E-06	0.000317	0.000368	-9.10E-06
91	VIVA CUB	0.000398	-0.000046	-0.000014	0.001877	0.000779	0.000019
91	VCOMP	0.000319	-0.000037	-0.000011	0.001501	0.000623	0.000015
91	VSUCC	-0.000319	0.000037	0.000011	-0.001501	-0.000623	-0.000015
91	MUERTA CUB	0.000358	-0.00005	-7.725E-06	0.001803	0.000678	0.000045
92	DEAD	0.000089	-9.117E-06	-0.00519	0.003194	0.000368	-0.000056
92	VIVA CUB	0.000629	-0.000046	-0.028422	0.015857	0.000779	0.000137
92	VCOMP	0.000503	-0.000037	-0.022737	0.012686	0.000623	0.000109
92	VSUCC	-0.000503	0.000037	0.022737	-0.012686	-0.000623	-0.000109
92	MUERTA CUB	0.000657	-0.00005	-0.029907	0.018562	0.000678	0.000167
93	DEAD	0.000134	3.669E-06	-4.343E-07	-0.000031	0.000286	0.000022
93	VIVA CUB	0.000175	0.000028	-7.466E-06	-0.000197	0.000406	0.000088
93	VCOMP	0.00014	0.000022	-5.972E-06	-0.000157	0.000325	0.00007
93	VSUCC	-0.00014	-0.000022	5.972E-06	0.000157	-0.000325	-0.00007
93	MUERTA CUB	0.00037	0.000023	-2.415E-06	-0.000177	0.000141	0.000119
94	DEAD	0.000133	0.000015	-4.234E-07	0.000011	0.000286	-0.000015
94	VIVA CUB	0.000172	0.000094	-7.361E-06	0.00007	0.000402	-0.000062
94	VCOMP	0.000138	0.000075	-5.889E-06	0.000056	0.000322	-0.00005
94	VSUCC	-0.000138	-0.000075	5.889E-06	-0.000056	-0.000322	0.00005
94	MUERTA CUB	0.00035	-0.000089	-2.353E-06	0.000057	0.000138	-0.000078
95	DEAD	0.000183	0.000029	-1.427E-06	-0.000354	0.000366	0.000021
95	VIVA CUB	0.000401	0.000173	-0.000014	-0.0002173	0.000781	0.000033
95	VCOMP	0.000321	0.000139	-0.000011	-0.001738	0.000625	0.000026
95	VSUCC	-0.000321	-0.000139	0.000011	0.001738	-0.000625	-0.000026
95	MUERTA CUB	0.000356	0.000167	-8.028E-06	-0.0002025	0.000669	0.000032
96	DEAD	0.000072	0.000029	-0.005745	-0.00342	0.000366	0.000058
96	VIVA CUB	0.000582	0.000173	-0.032148	-0.017356	0.000781	-0.000128
96	VCOMP	0.000465	0.000118	-0.038924	-0.013885	0.000625	-0.000102
96	VSUCC	-0.000465	-0.000118	0.038924	0.013885	-0.000625	0.000102
96	MUERTA CUB	0.000547	0.000167	-0.033139	-0.0199	0.000669	-0.000134
97	DEAD	-0.000184	-9.117E-06	-1.375E-06	0.000317	0.000368	9.10E-06
97	VIVA CUB	-0.000398	-0.000046	-0.000014	0.001877	-0.000779	-0.000019
97	VCOMP	-0.000319	-0.000037	-0.000011	0.001501	-0.000623	-0.000015
97	VSUCC	0.000319	0.000037	0.000011	-0.001501	0.000623	0.000015
97	MUERTA CUB	-0.000358	-0.00005	-7.725E-06	0.001803	-0.000678	-0.000045
98	DEAD	-0.000089	-9.117E-06	-0.00519	0.003194	0.000368	0.000056
98	VIVA CUB	-0.000629	-0.000046	-0.028422	0.015857	-0.000779	-0.000137
98	VCOMP	-0.000503	-0.000037	-0.022737	0.012686	-0.000623	-0.000109
98	VSUCC	0.000503	0.000037	0.022737	-0.012686	0.000623	0.000109
98	MUERTA CUB	-0.000657	-0.00005	-0.029907	0.018562	-0.000678	-0.000167

Table 22: Joint Displacements							
Joint	OutputCase	U1	U2	U3	R1	R2	R3
					Radians	Radians	Radians
99	DEAD	-0.000134	3.669E-06	-4.343E-07	-0.000031	-0.000286	-0.000022
99	VIVA CUB	-0.000175	0.000028	-7.466E-06	-0.000197	-0.000406	-0.000088
99	VCOMP	-0.00014	0.000022	-5.972E-06	-0.000157	-0.000325	-0.00007
99	VSUCC	0.00014	-0.000022	5.972E-06	0.000157	0.000325	0.00007
99	MUERTA CUB	-0.00037	0.000023	-2.415E-06	-0.000177	-0.000141	-0.000119
100	DEAD	-0.000133	0.000015	-4.234E-07	0.000011	-0.000286	0.000015
100	VIVA CUB	-0.000172	0.000094	-7.361E-06	0.00007	-0.000402	0.000062
100	VCOMP	-0.000138	0.000075	-5.889E-06	0.000056	-0.000322	0.00005
100	VSUCC	0.000138	-0.000075	5.889E-06	-0.000056	0.000322	-0.00005
100	MUERTA CUB	-0.00035	0.000089	-2.353E-06	0.000057	-0.000138	0.000078
101	DEAD	-0.000183	0.000029	-1.427E-06	-0.000054	-0.000366	-0.000021
101	VIVA CUB	-0.000401	0.000173	-0.000014	-0.0002173	-0.000781	-0.000033
101	VCOMP	-0.000321	0.000139	-0.000011	-0.001738	-0.000625	-0.000026
101	VSUCC	0.000321	-0.000139	0.000011	0.001738	0.000625	0.000026
101	MUERTA CUB	-0.000356	0.000167	-8.028E-06	0.0002025	-0.000669	-0.000032
102	DEAD	-0.000072	0.000029	-0.0005745	-0.000462	-0.000366	-0.000058
102	VIVA CUB	-0.000059	0.000173	-0.00000173	-0.001738	-0.000781	-0.000033
102	VCOMP	-0.000465	0.000139	-0.0025718	-0.013885	-0.000625	-0.000102
102	VSUCC	0.000465	-0.000139	0.0025718	0.013885	0.000625	-0.000102
102	MUERTA CUB	-0.000547	0.000167	-0.003319	-0.0199	-0.000669	0.000134

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
40	0.	MUERTA CUB	-2.353	-0.0118	-0.0234
40	1.34084	MUERTA CUB	-2.353	-0.0118	-0.0234
40	2.68169	MUERTA CUB	-2.353	-0.0118	-0.0234
41	0.	DEAD	-1.3438	-0.0258	0.0392
41	1.34084	DEAD	-1.3386	0.0026	0.0392
41	2.68169	DEAD	-1.3334	0.0311	0.0392
41	0.	VIVA CUB	-3.2775	0.007	0.1625
41	1.34084	VIVA CUB	-3.2775	0.007	0.1625
41	2.68169	VIVA CUB	-3.2775	0.007	0.1625
41	0.	VCOMP	-2.622	0.0056	0.13
41	1.34084	VCOMP	-2.622	0.0056	0.13
41	2.68169	VCOMP	-2.622	0.0056	0.13
41	0.	VSUCC	2.622	-0.0056	-0.13
41	1.34084	VSUCC	2.622	-0.0056	-0.13
41	2.68169	VSUCC	2.622	-0.0056	-0.13
41	0.	MUERTA CUB	-3.0422	0.0066	0.2434
41	1.34084	MUERTA CUB	-3.0422	0.0066	0.2434
41	2.68169	MUERTA CUB	-3.0422	0.0066	0.2434
42	0.	DEAD	-1.3334	-0.0311	-0.0392
42	1.34084	DEAD	-1.3386	-0.0026	-0.0392
42	2.68169	DEAD	-1.3438	0.0258	-0.0392
42	0.	VIVA CUB	-3.2775	-0.007	-0.1625
42	1.34084	VIVA CUB	-3.2775	-0.007	-0.1625
42	2.68169	VIVA CUB	-3.2775	-0.007	-0.1625
42	0.	VCOMP	-2.622	-0.0056	-0.13
42	1.34084	VCOMP	-2.622	-0.0056	-0.13
42	2.68169	VCOMP	-2.622	-0.0056	-0.13
42	0.	VSUCC	2.622	0.0056	0.13
42	1.34084	VSUCC	2.622	0.0056	0.13
42	2.68169	VSUCC	2.622	0.0056	0.13
42	0.	MUERTA CUB	-3.0422	-0.0066	-0.2434
42	1.34084	MUERTA CUB	-3.0422	-0.0066	-0.2434
42	2.68169	MUERTA CUB	-3.0422	-0.0066	-0.2434
43	0.	DEAD	-1.0332	-0.0245	0.0036
43	1.34084	DEAD	-1.0385	0.004	0.0036
43	2.68169	DEAD	-1.0437	0.0324	0.0036
43	0.	VIVA CUB	-2.5288	0.0122	0.0157
43	1.34084	VIVA CUB	-2.5288	0.0122	0.0157
43	2.68169	VIVA CUB	-2.5288	0.0122	0.0157
43	0.	VCOMP	-2.023	0.0097	0.0126
43	1.34084	VCOMP	-2.023	0.0097	0.0126
43	2.68169	VCOMP	-2.023	0.0097	0.0126
43	0.	VSUCC	2.023	-0.0097	-0.0126
43	1.34084	VSUCC	2.023	-0.0097	-0.0126
43	2.68169	VSUCC	2.023	-0.0097	-0.0126
43	0.	MUERTA CUB	-2.353	0.0118	0.0234
43	1.34084	MUERTA CUB	-2.353	0.0118	0.0234
43	2.68169	MUERTA CUB	-2.353	0.0118	0.0234
44	0.	DEAD	0.2136	-0.0285	2.082E-17
44	0.4652	DEAD	0.2237	-0.0285	2.082E-17
44	0.9304	DEAD	0.2337	-0.0285	2.082E-17
44	0.	VIVA CUB	0.432	-0.0228	0.
44	0.4652	VIVA CUB	0.432	-0.0228	0.
44	0.9304	VIVA CUB	0.432	-0.0228	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
44	0.	VCOMP	0.3456	-0.0182	5.551E-17
44	0.4652	VCOMP	0.3456	-0.0182	5.551E-17
44	0.9304	VCOMP	0.3456	-0.0182	5.551E-17
44	0.	VSUCC	-0.3456	0.0182	-5.551E-17
44	0.4652	VSUCC	-0.3456	0.0182	-5.551E-17
44	0.9304	VSUCC	-0.3456	0.0182	-5.551E-17
44	0.	MUERTA CUB	0.4041	-0.0211	5.551E-17
44	0.4652	MUERTA CUB	0.4041	-0.0211	5.551E-17
44	0.9304	MUERTA CUB	0.4041	-0.0211	5.551E-17
45	0.	DEAD	-0.1829	-0.0142	0.
45	1.34084	DEAD	-0.1803	9.104E-19	0.
45	2.68169	DEAD	-0.1777	0.0142	0.
45	0.	VIVA CUB	-0.4502	0.	0.
45	1.34084	VIVA CUB	-0.4502	0.	0.
45	2.68169	VIVA CUB	-0.4502	0.	0.
45	0.	VCOMP	-0.3602	0.	0.
45	1.34084	VCOMP	-0.3602	0.	0.
45	2.68169	VCOMP	-0.3602	0.	0.
45	0.	VSUCC	0.3602	0.	0.
45	1.34084	VSUCC	0.3602	0.	0.
45	2.68169	VSUCC	0.3602	0.	0.
45	0.	MUERTA CUB	-0.4331	0.	0.
45	1.34084	MUERTA CUB	-0.4331	0.	0.
45	2.68169	MUERTA CUB	-0.4331	0.	0.
46	0.	DEAD	-0.1829	-0.0142	0.
46	1.34084	DEAD	-0.1803	1.531E-18	0.
46	2.68169	DEAD	-0.1777	0.0142	0.
46	0.	VIVA CUB	-0.4502	0.	0.
46	1.34084	VIVA CUB	-0.4502	0.	0.
46	2.68169	VIVA CUB	-0.4502	0.	0.
46	0.	VCOMP	-0.3602	0.	0.
46	1.34084	VCOMP	-0.3602	0.	0.
46	2.68169	VCOMP	-0.3602	0.	0.
46	0.	VSUCC	0.3602	0.	0.
46	1.34084	VSUCC	0.3602	0.	0.
46	2.68169	VSUCC	0.3602	0.	0.
46	0.	MUERTA CUB	-0.4331	0.	0.
46	1.34084	MUERTA CUB	-0.4331	0.	0.
46	2.68169	MUERTA CUB	-0.4331	0.	0.
47	0.	DEAD	0.5038	-0.0316	6.939E-18
47	1.33911	DEAD	0.5088	-0.0032	6.939E-18
47	2.67821	DEAD	0.5138	0.0253	6.939E-18
47	0.	VIVA CUB	1.2182	-0.0112	2.776E-17
47	1.33911	VIVA CUB	1.2182	-0.0112	2.776E-17
47	2.67821	VIVA CUB	1.2182	-0.0112	2.776E-17
47	0.	VCOMP	0.9745	-0.009	0.
47	1.33911	VCOMP	0.9745	-0.009	0.
47	2.67821	VCOMP	0.9745	-0.009	0.
47	0.	VSUCC	-0.9745	0.009	0.
47	1.33911	VSUCC	-0.9745	0.009	0.
47	2.67821	VSUCC	-0.9745	0.009	0.
47	0.	MUERTA CUB	1.139	-0.0106	0.
47	1.33911	MUERTA CUB	1.139	-0.0106	0.
47	2.67821	MUERTA CUB	1.139	-0.0106	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
48	0.	DEAD	0.5047	-0.0265	-1.388E-17
48	1.33911	DEAD	0.5097	0.0019	-1.388E-17
48	2.67821	DEAD	0.5147	0.0304	-1.388E-17
48	0.	VIVA CUB	1.2212	0.0057	0.
48	1.33911	VIVA CUB	1.2212	0.0057	0.
48	2.67821	VIVA CUB	1.2212	0.0057	0.
48	0.	VCOMP	0.9769	0.0046	-5.551E-17
48	1.33911	VCOMP	0.9769	0.0046	-5.551E-17
48	2.67821	VCOMP	0.9769	0.0046	-5.551E-17
48	0.	VSUCC	-0.9769	-0.0046	5.551E-17
48	1.33911	VSUCC	-0.9769	-0.0046	5.551E-17
48	2.67821	VSUCC	-0.9769	-0.0046	5.551E-17
48	0.	MUERTA CUB	1.1419	0.0055	-5.551E-17
48	1.33911	MUERTA CUB	1.1419	0.0055	-5.551E-17
48	2.67821	MUERTA CUB	1.1419	0.0055	-5.551E-17
49	0.	DEAD	0.5147	-0.0304	1.388E-17
49	1.33911	DEAD	0.5097	-0.0019	1.388E-17
49	2.67821	DEAD	0.5047	0.0265	1.388E-17
49	0.	VIVA CUB	1.2212	-0.0057	-5.551E-17
49	1.33911	VIVA CUB	1.2212	-0.0057	-5.551E-17
49	2.67821	VIVA CUB	1.2212	-0.0057	-5.551E-17
49	0.	VCOMP	0.9769	-0.0046	0.
49	1.33911	VCOMP	0.9769	-0.0046	0.
49	2.67821	VCOMP	0.9769	-0.0046	0.
49	0.	VSUCC	-0.9769	0.0046	0.
49	1.33911	VSUCC	-0.9769	0.0046	0.
49	2.67821	VSUCC	-0.9769	0.0046	0.
49	0.	MUERTA CUB	1.1419	-0.0055	0.
49	1.33911	MUERTA CUB	1.1419	-0.0055	0.
49	2.67821	MUERTA CUB	1.1419	-0.0055	0.
50	0.	DEAD	0.5138	-0.0253	-6.939E-18
50	1.33911	DEAD	0.5088	0.0032	-6.939E-18
50	2.67821	DEAD	0.5038	0.0316	-6.939E-18
50	0.	VIVA CUB	1.2182	0.0112	-2.776E-17
50	1.33911	VIVA CUB	1.2182	0.0112	-2.776E-17
50	2.67821	VIVA CUB	1.2182	0.0112	-2.776E-17
50	0.	VCOMP	0.9745	0.009	1.388E-17
50	1.33911	VCOMP	0.9745	0.009	1.388E-17
50	2.67821	VCOMP	0.9745	0.009	1.388E-17
50	0.	VSUCC	-0.9745	-0.009	-1.388E-17
50	1.33911	VSUCC	-0.9745	-0.009	-1.388E-17
50	2.67821	VSUCC	-0.9745	-0.009	-1.388E-17
50	0.	MUERTA CUB	1.139	0.0106	8.327E-17
50	1.33911	MUERTA CUB	1.139	0.0106	8.327E-17
50	2.67821	MUERTA CUB	1.139	0.0106	8.327E-17
51	0.	DEAD	0.0628	2.395E-18	0.
51	0.475	DEAD	0.0577	0.	0.
51	0.95	DEAD	0.0526	-2.395E-18	0.
51	0.	VIVA CUB	-0.0172	0.	0.
51	0.475	VIVA CUB	-0.0172	0.	0.
51	0.95	VIVA CUB	-0.0172	0.	0.
51	0.	VCOMP	-0.0138	0.	0.
51	0.475	VCOMP	-0.0138	0.	0.
51	0.95	VCOMP	-0.0138	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
51	0.	VSUCC	0.0138	0.	0.
51	0.475	VSUCC	0.0138	0.	0.
51	0.95	VSUCC	0.0138	0.	0.
51	0.	MUERTA CUB	-0.0163	0.	0.
51	0.475	MUERTA CUB	-0.0163	0.	0.
51	0.95	MUERTA CUB	-0.0163	0.	0.
52	0.	DEAD	0.0628	0.	0.
52	0.475	DEAD	0.0577	0.	0.
52	0.95	DEAD	0.0526	0.	0.
52	0.	VIVA CUB	-0.0172	0.	0.
52	0.475	VIVA CUB	-0.0172	0.	0.
52	0.95	VIVA CUB	-0.0172	0.	0.
52	0.	VCOMP	-0.0138	0.	0.
52	0.475	VCOMP	-0.0138	0.	0.
52	0.95	VCOMP	-0.0138	0.	0.
52	0.	VSUCC	0.0138	0.	0.
52	0.475	VSUCC	0.0138	0.	0.
52	0.95	VSUCC	0.0138	0.	0.
52	0.	MUERTA CUB	-0.0163	0.	0.
52	0.475	MUERTA CUB	-0.0163	0.	0.
52	0.95	MUERTA CUB	-0.0163	0.	0.
53	0.	DEAD	0.3327	0.	0.
53	0.4848	DEAD	0.3379	0.	0.
53	0.9696	DEAD	0.3431	0.	0.
53	0.	VIVA CUB	0.5982	0.	0.
53	0.4848	VIVA CUB	0.5982	0.	0.
53	0.9696	VIVA CUB	0.5982	0.	0.
53	0.	VCOMP	0.4786	0.	0.
53	0.4848	VCOMP	0.4786	0.	0.
53	0.9696	VCOMP	0.4786	0.	0.
53	0.	VSUCC	-0.4786	0.	0.
53	0.4848	VSUCC	-0.4786	0.	0.
53	0.9696	VSUCC	-0.4786	0.	0.
53	0.	MUERTA CUB	0.5641	0.	0.
53	0.4848	MUERTA CUB	0.5641	0.	0.
53	0.9696	MUERTA CUB	0.5641	0.	0.
56	0.	DEAD	0.0019	-0.0102	2.168E-18
56	0.24148	DEAD	9.417E-04	-0.0051	2.168E-18
56	0.48296	DEAD	-1.058E-16	-4.011E-17	2.168E-18
56	0.	VIVA CUB	-1.615E-15	-2.776E-16	0.
56	0.24148	VIVA CUB	-1.615E-15	-2.776E-16	0.
56	0.48296	VIVA CUB	-1.615E-15	-2.776E-16	0.
56	0.	VCOMP	-8.076E-16	-1.110E-16	6.939E-18
56	0.24148	VCOMP	-8.076E-16	-1.110E-16	6.939E-18
56	0.48296	VCOMP	-8.076E-16	-1.110E-16	6.939E-18
56	0.	VSUCC	8.076E-16	1.110E-16	-6.939E-18
56	0.24148	VSUCC	8.076E-16	1.110E-16	-6.939E-18
56	0.48296	VSUCC	8.076E-16	1.110E-16	-6.939E-18
56	0.	MUERTA CUB	-1.615E-15	-1.110E-16	2.776E-17
56	0.24148	MUERTA CUB	-1.615E-15	-1.110E-16	2.776E-17
56	0.48296	MUERTA CUB	-1.615E-15	-1.110E-16	2.776E-17
57	0.	DEAD	2.902E-16	-1.110E-16	1.301E-18
57	0.24148	DEAD	9.417E-04	0.0051	1.301E-18
57	0.48296	DEAD	0.0019	0.0102	1.301E-18

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
57	0.	VIVA CUB	8.076E-16	-2.776E-16	-6.939E-18	
57	0.24148	VIVA CUB	8.076E-16	-2.776E-16	-6.939E-18	
57	0.48296	VIVA CUB	8.076E-16	-2.776E-16	-6.939E-18	
57	0.	VCOMP	4.038E-16	-1.665E-16	-3.469E-18	
57	0.24148	VCOMP	4.038E-16	-1.665E-16	-3.469E-18	
57	0.48296	VCOMP	4.038E-16	-1.665E-16	-3.469E-18	
57	0.	VSUCC	-4.038E-16	1.665E-16	3.469E-18	
57	0.24148	VSUCC	-4.038E-16	1.665E-16	3.469E-18	
57	0.48296	VSUCC	-4.038E-16	1.665E-16	3.469E-18	
57	0.	MUERTA CUB	8.076E-16	-2.776E-16	-3.469E-18	
57	0.24148	MUERTA CUB	8.076E-16	-2.776E-16	-3.469E-18	
57	0.48296	MUERTA CUB	8.076E-16	-2.776E-16	-3.469E-18	
58	0.	DEAD	0.1457	0.0314	8.577E-04	
58	0.4652	DEAD	0.1557	0.0314	8.577E-04	
58	0.9304	DEAD	0.1658	0.0314	8.577E-04	
58	0.	VIVA CUB	0.1487	0.0087	0.0035	
58	0.4652	VIVA CUB	0.1487	0.0087	0.0035	
58	0.9304	VIVA CUB	0.1487	0.0087	0.0035	
58	0.	VCOMP	0.1189	0.0069	0.0028	
58	0.4652	VCOMP	0.1189	0.0069	0.0028	
58	0.9304	VCOMP	0.1189	0.0069	0.0028	
58	0.	VSUCC	-0.1189	-0.0069	-0.0028	
58	0.4652	VSUCC	-0.1189	-0.0069	-0.0028	
58	0.9304	VSUCC	-0.1189	-0.0069	-0.0028	
58	0.	MUERTA CUB	-0.0074	4.110E-04	0.0053	
58	0.4652	MUERTA CUB	-0.0074	4.110E-04	0.0053	
58	0.9304	MUERTA CUB	-0.0074	4.110E-04	0.0053	
59	0.	DEAD	-0.6681	-0.0317	0.0021	
59	1.34084	DEAD	-0.6629	-0.0032	0.0021	
59	2.68169	DEAD	-0.6577	0.0252	0.0021	
59	0.	VIVA CUB	-0.9079	-0.0028	0.0089	
59	1.34084	VIVA CUB	-0.9079	-0.0028	0.0089	
59	2.68169	VIVA CUB	-0.9079	-0.0028	0.0089	
59	0.	VCOMP	-0.7263	-0.0022	0.0071	
59	1.34084	VCOMP	-0.7263	-0.0022	0.0071	
59	2.68169	VCOMP	-0.7263	-0.0022	0.0071	
59	0.	VSUCC	0.7263	0.0022	-0.0071	
59	1.34084	VSUCC	0.7263	0.0022	-0.0071	
59	2.68169	VSUCC	0.7263	0.0022	-0.0071	
59	0.	MUERTA CUB	6.250E-04	0.0012	0.0134	
59	1.34084	MUERTA CUB	6.250E-04	0.0012	0.0134	
59	2.68169	MUERTA CUB	6.250E-04	0.0012	0.0134	
60	0.	DEAD	-0.8569	-0.0282	-0.0066	
60	1.34084	DEAD	-0.8517	2.226E-04	-0.0066	
60	2.68169	DEAD	-0.8465	0.0287	-0.0066	
60	0.	VIVA CUB	-1.193	0.0027	-0.0255	
60	1.34084	VIVA CUB	-1.193	0.0027	-0.0255	
60	2.68169	VIVA CUB	-1.193	0.0027	-0.0255	
60	0.	VCOMP	-0.9544	0.0022	-0.0204	
60	1.34084	VCOMP	-0.9544	0.0022	-0.0204	
60	2.68169	VCOMP	-0.9544	0.0022	-0.0204	
60	0.	VSUCC	0.9544	-0.0022	0.0204	
60	1.34084	VSUCC	0.9544	-0.0022	0.0204	
60	2.68169	VSUCC	0.9544	-0.0022	0.0204	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
60	0.	MUERTA CUB	-0.0123	-3.841E-04	-0.0407	
60	1.34084	MUERTA CUB	-0.0123	-3.841E-04	-0.0407	
60	2.68169	MUERTA CUB	-0.0123	-3.841E-04	-0.0407	
61	0.	DEAD	-0.8465	-0.0287	0.0066	
61	1.34084	DEAD	-0.8517	-2.226E-04	0.0066	
61	2.68169	DEAD	-0.8569	0.0282	0.0066	
61	0.	VIVA CUB	-1.193	-0.0027	0.0255	
61	1.34084	VIVA CUB	-1.193	-0.0027	0.0255	
61	2.68169	VIVA CUB	-1.193	-0.0027	0.0255	
61	0.	VCOMP	-0.9544	-0.0022	0.0204	
61	1.34084	VCOMP	-0.9544	-0.0022	0.0204	
61	2.68169	VCOMP	-0.9544	-0.0022	0.0204	
61	0.	VSUCC	0.9544	0.0022	-0.0204	
61	1.34084	VSUCC	0.9544	0.0022	-0.0204	
61	2.68169	VSUCC	0.9544	0.0022	-0.0204	
61	0.	MUERTA CUB	-0.0123	3.841E-04	0.0407	
61	1.34084	MUERTA CUB	-0.0123	3.841E-04	0.0407	
61	2.68169	MUERTA CUB	-0.0123	3.841E-04	0.0407	
62	0.	DEAD	-0.6577	-0.0282	-0.0021	
62	1.34084	DEAD	-0.6629	0.0032	-0.0021	
62	2.68169	DEAD	-0.6681	0.0317	-0.0021	
62	0.	VIVA CUB	-0.9079	0.0028	-0.0089	
62	1.34084	VIVA CUB	-0.9079	0.0028	-0.0089	
62	2.68169	VIVA CUB	-0.9079	0.0028	-0.0089	
62	0.	VCOMP	-0.7263	0.0022	-0.0071	
62	1.34084	VCOMP	-0.7263	0.0022	-0.0071	
62	2.68169	VCOMP	-0.7263	0.0022	-0.0071	
62	0.	VSUCC	0.7263	-0.0022	0.0071	
62	1.34084	VSUCC	0.7263	-0.0022	0.0071	
62	2.68169	VSUCC	0.7263	-0.0022	0.0071	
62	0.	MUERTA CUB	6.250E-04	-0.0012	-0.0134	
62	1.34084	MUERTA CUB	6.250E-04	-0.0012	-0.0134	
62	2.68169	MUERTA CUB	6.250E-04	-0.0012	-0.0134	
63	0.	DEAD	0.1457	-0.0314	8.577E-04	
63	0.4652	DEAD	0.1557	-0.0314	8.577E-04	
63	0.9304	DEAD	0.1658	-0.0314	8.577E-04	
63	0.	VIVA CUB	0.1487	-0.0087	0.0035	
63	0.4652	VIVA CUB	0.1487	-0.0087	0.0035	
63	0.9304	VIVA CUB	0.1487	-0.0087	0.0035	
63	0.	VCOMP	0.1189	-0.0069	0.0028	
63	0.4652	VCOMP	0.1189	-0.0069	0.0028	
63	0.9304	VCOMP	0.1189	-0.0069	0.0028	
63	0.	VSUCC	-0.1189	0.0069	-0.0028	
63	0.4652	VSUCC	-0.1189	0.0069	-0.0028	
63	0.9304	VSUCC	-0.1189	0.0069	-0.0028	
63	0.	MUERTA CUB	-0.0074	-4.110E-04	0.0053	
63	0.4652	MUERTA CUB	-0.0074	-4.110E-04	0.0053	
63	0.9304	MUERTA CUB	-0.0074	-4.110E-04	0.0053	
64	0.	DEAD	-0.1078	-0.0142	0.	
64	1.34084	DEAD	-0.1052	9.104E-19	0.	
64	2.68169	DEAD	-0.1026	0.0142	0.	
64	0.	VIVA CUB	-0.1156	0.	0.	
64	1.34084	VIVA CUB	-0.1156	0.	0.	
64	2.68169	VIVA CUB	-0.1156	0.	0.	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
64	0.	VCOMP	-0.0925	0.	0.	
64	1.34084	VCOMP	-0.0925	0.	0.	
64	2.68169	VCOMP	-0.0925	0.	0.	
64	0.	VSUCC	0.0925	0.	0.	
64	1.34084	VSUCC	0.0925	0.	0.	
64	2.68169	VSUCC	0.0925	0.	0.	
64	0.	MUERTA CUB	0.0459	0.	0.	
64	1.34084	MUERTA CUB	0.0459	0.	0.	
64	2.68169	MUERTA CUB	0.0459	0.	0.	
65	0.	DEAD	-0.1078	-0.0142	0.	
65	1.34084	DEAD	-0.1052	1.531E-18	0.	
65	2.68169	DEAD	-0.1026	0.0142	0.	
65	0.	VIVA CUB	-0.1156	0.	0.	
65	1.34084	VIVA CUB	-0.1156	0.	0.	
65	2.68169	VIVA CUB	-0.1156	0.	0.	
65	0.	VCOMP	-0.0925	0.	0.	
65	1.34084	VCOMP	-0.0925	0.	0.	
65	2.68169	VCOMP	-0.0925	0.	0.	
65	0.	VSUCC	0.0925	0.	0.	
65	1.34084	VSUCC	0.0925	0.	0.	
65	2.68169	VSUCC	0.0925	0.	0.	
65	0.	MUERTA CUB	0.0459	0.	0.	
65	1.34084	MUERTA CUB	0.0459	0.	0.	
65	2.68169	MUERTA CUB	0.0459	0.	0.	
66	0.	DEAD	0.3234	-0.0291	-2.168E-19	
66	1.33911	DEAD	0.3284	-6.267E-04	-2.168E-19	
66	2.67821	DEAD	0.3334	0.0278	-2.168E-19	
66	0.	VIVA CUB	0.4192	-0.0035	-2.385E-18	
66	1.33911	VIVA CUB	0.4192	-0.0035	-2.385E-18	
66	2.67821	VIVA CUB	0.4192	-0.0035	-2.385E-18	
66	0.	VCOMP	0.3354	-0.0028	-1.735E-18	
66	1.33911	VCOMP	0.3354	-0.0028	-1.735E-18	
66	2.67821	VCOMP	0.3354	-0.0028	-1.735E-18	
66	0.	VSUCC	-0.3354	0.0028	1.735E-18	
66	1.33911	VSUCC	-0.3354	0.0028	1.735E-18	
66	2.67821	VSUCC	-0.3354	0.0028	1.735E-18	
66	0.	MUERTA CUB	-0.0181	3.987E-04	3.036E-18	
66	1.33911	MUERTA CUB	-0.0181	3.987E-04	3.036E-18	
66	2.67821	MUERTA CUB	-0.0181	3.987E-04	3.036E-18	
67	0.	DEAD	0.3236	-0.0277	4.337E-19	
67	1.33911	DEAD	0.3286	7.000E-04	4.337E-19	
67	2.67821	DEAD	0.3336	0.0291	4.337E-19	
67	0.	VIVA CUB	0.4201	0.0014	0.	
67	1.33911	VIVA CUB	0.4201	0.0014	0.	
67	2.67821	VIVA CUB	0.4201	0.0014	0.	
67	0.	VCOMP	0.3361	0.0011	1.735E-18	
67	1.33911	VCOMP	0.3361	0.0011	1.735E-18	
67	2.67821	VCOMP	0.3361	0.0011	1.735E-18	
67	0.	VSUCC	-0.3361	-0.0011	-1.735E-18	
67	1.33911	VSUCC	-0.3361	-0.0011	-1.735E-18	
67	2.67821	VSUCC	-0.3361	-0.0011	-1.735E-18	
67	0.	MUERTA CUB	-0.0183	-6.038E-04	0.	
67	1.33911	MUERTA CUB	-0.0183	-6.038E-04	0.	
67	2.67821	MUERTA CUB	-0.0183	-6.038E-04	0.	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
68	0.	DEAD	0.3336	-0.0291	-1.301E-18	
68	1.33911	DEAD	0.3286	-7.000E-04	-1.301E-18	
68	2.67821	DEAD	0.3236	0.0277	-1.301E-18	
68	0.	VIVA CUB	0.4201	-0.0014	-5.204E-18	
68	1.33911	VIVA CUB	0.4201	-0.0014	-5.204E-18	
68	2.67821	VIVA CUB	0.4201	-0.0014	-5.204E-18	
68	0.	VCOMP	0.3361	-0.0011	-5.204E-18	
68	1.33911	VCOMP	0.3361	-0.0011	-5.204E-18	
68	2.67821	VCOMP	0.3361	-0.0011	-5.204E-18	
68	0.	VSUCC	-0.3361	0.0011	5.204E-18	
68	1.33911	VSUCC	-0.3361	0.0011	5.204E-18	
68	2.67821	VSUCC	-0.3361	0.0011	5.204E-18	
68	0.	MUERTA CUB	-0.0183	6.038E-04	-3.469E-18	
68	1.33911	MUERTA CUB	-0.0183	6.038E-04	-3.469E-18	
68	2.67821	MUERTA CUB	-0.0183	6.038E-04	-3.469E-18	
69	0.	DEAD	0.3334	-0.0278	-1.626E-19	
69	1.33911	DEAD	0.3284	6.267E-04	-1.626E-19	
69	2.67821	DEAD	0.3234	0.0281	-1.626E-19	
69	0.	VIVA CUB	0.4192	0.0035	-5.204E-18	
69	1.33911	VIVA CUB	0.4192	0.0035	-5.204E-18	
69	2.67821	VIVA CUB	0.4192	0.0035	-5.204E-18	
69	0.	VCOMP	0.3354	0.0028	-4.120E-18	
69	1.33911	VCOMP	0.3354	0.0028	-4.120E-18	
69	2.67821	VCOMP	0.3354	0.0028	-4.120E-18	
69	0.	VSUCC	-0.3354	-0.0028	4.120E-18	
69	1.33911	VSUCC	-0.3354	-0.0028	4.120E-18	
69	2.67821	VSUCC	-0.3354	-0.0028	4.120E-18	
69	0.	MUERTA CUB	-0.0181	-3.987E-04	-3.903E-18	
69	1.33911	MUERTA CUB	-0.0181	-3.987E-04	-3.903E-18	
69	2.67821	MUERTA CUB	-0.0181	-3.987E-04	-3.903E-18	
70	0.	DEAD	0.0667	2.395E-18	0.	
70	0.475	DEAD	0.0615	0.	0.	
70	0.95	DEAD	0.0564	-2.395E-18	0.	
70	0.	VIVA CUB	-0.005	0.	0.	
70	0.475	VIVA CUB	-0.005	0.	0.	
70	0.95	VIVA CUB	-0.005	0.	0.	
70	0.	VCOMP	-0.004	0.	0.	
70	0.475	VCOMP	-0.004	0.	0.	
70	0.95	VCOMP	-0.004	0.	0.	
70	0.	VSUCC	0.004	0.	0.	
70	0.475	VSUCC	0.004	0.	0.	
70	0.95	VSUCC	0.004	0.	0.	
70	0.	MUERTA CUB	0.001	0.	0.	
70	0.475	MUERTA CUB	0.001	0.	0.	
70	0.95	MUERTA CUB	0.001	0.	0.	
71	0.	DEAD	0.0667	0.	0.	
71	0.475	DEAD	0.0615	0.	0.	
71	0.95	DEAD	0.0564	0.	0.	
71	0.	VIVA CUB	-0.005	0.	0.	
71	0.475	VIVA CUB	-0.005	0.	0.	
71	0.95	VIVA CUB	-0.005	0.	0.	
71	0.	VCOMP	-0.004	0.	0.	
71	0.475	VCOMP	-0.004	0.	0.	
71	0.95	VCOMP	-0.004	0.	0.	

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
71	0.	VSUCC	0.004	0.	0.
71	0.475	VSUCC	0.004	0.	0.
71	0.95	VSUCC	0.004	0.	0.
71	0.	MUERTA CUB	0.001	0.	0.
71	0.475	MUERTA CUB	0.001	0.	0.
71	0.95	MUERTA CUB	0.001	0.	0.
72	0.	DEAD	0.2403	0.	0.
72	0.4848	DEAD	0.2455	0.	0.
72	0.9696	DEAD	0.2507	0.	0.
72	0.	VIVA CUB	0.1905	0.	0.
72	0.4848	VIVA CUB	0.1905	0.	0.
72	0.9696	VIVA CUB	0.1905	0.	0.
72	0.	VCOMP	0.1524	0.	0.
72	0.4848	VCOMP	0.1524	0.	0.
72	0.9696	VCOMP	0.1524	0.	0.
72	0.	VSUCC	-0.1524	0.	0.
72	0.4848	VSUCC	-0.1524	0.	0.
72	0.9696	VSUCC	-0.1524	0.	0.
72	0.	MUERTA CUB	-0.0242	0.	0.
72	0.4848	MUERTA CUB	-0.0242	0.	0.
72	0.9696	MUERTA CUB	-0.0242	0.	0.
75	0.	DEAD	0.0019	-0.0102	-1.041E-17
75	0.24148	DEAD	9.417E-04	-0.0051	-1.041E-17
75	0.48296	DEAD	-1.058E-16	2.927E-17	-1.041E-17
75	0.	VIVA CUB	-4.038E-16	2.776E-17	-1.388E-17
75	0.24148	VIVA CUB	-4.038E-16	2.776E-17	-1.388E-17
75	0.48296	VIVA CUB	-4.038E-16	2.776E-17	-1.388E-17
75	0.	VCOMP	-2.019E-16	1.388E-17	-1.388E-17
75	0.24148	VCOMP	-2.019E-16	1.388E-17	-1.388E-17
75	0.48296	VCOMP	-2.019E-16	1.388E-17	-1.388E-17
75	0.	VSUCC	2.019E-16	-1.388E-17	1.388E-17
75	0.24148	VSUCC	2.019E-16	-1.388E-17	1.388E-17
75	0.48296	VSUCC	2.019E-16	-1.388E-17	1.388E-17
75	0.	MUERTA CUB	-3.155E-18	4.337E-19	0.
75	0.24148	MUERTA CUB	-3.155E-18	4.337E-19	0.
75	0.48296	MUERTA CUB	-3.155E-18	4.337E-19	0.
76	0.	DEAD	8.836E-17	-1.527E-16	3.469E-18
76	0.24148	DEAD	9.417E-04	0.0051	3.469E-18
76	0.48296	DEAD	0.0019	0.0102	3.469E-18
76	0.	VIVA CUB	0.	-1.110E-16	1.388E-17
76	0.24148	VIVA CUB	0.	-1.110E-16	1.388E-17
76	0.48296	VIVA CUB	0.	-1.110E-16	1.388E-17
76	0.	VCOMP	2.019E-16	-8.327E-17	-2.776E-17
76	0.24148	VCOMP	2.019E-16	-8.327E-17	-2.776E-17
76	0.48296	VCOMP	2.019E-16	-8.327E-17	-2.776E-17
76	0.	VSUCC	-2.019E-16	8.327E-17	2.776E-17
76	0.24148	VSUCC	-2.019E-16	8.327E-17	2.776E-17
76	0.48296	VSUCC	-2.019E-16	8.327E-17	2.776E-17
76	0.	MUERTA CUB	3.155E-18	-2.168E-18	-1.388E-17
76	0.24148	MUERTA CUB	3.155E-18	-2.168E-18	-1.388E-17
76	0.48296	MUERTA CUB	3.155E-18	-2.168E-18	-1.388E-17
77	0.	DEAD	0.1453	0.0314	-0.001
77	0.4652	DEAD	0.1553	0.0314	-0.001
77	0.9304	DEAD	0.1653	0.0314	-0.001

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
77	0.	VIVA CUB	0.143	0.0085	-0.0046
77	0.4652	VIVA CUB	0.143	0.0085	-0.0046
77	0.9304	VIVA CUB	0.143	0.0085	-0.0046
77	0.	VCOMP	0.1144	0.0068	-0.0037
77	0.4652	VCOMP	0.1144	0.0068	-0.0037
77	0.9304	VCOMP	0.1144	0.0068	-0.0037
77	0.	VSUCC	-0.1144	-0.0068	0.0037
77	0.4652	VSUCC	-0.1144	-0.0068	0.0037
77	0.9304	VSUCC	-0.1144	-0.0068	0.0037
77	0.	MUERTA CUB	-0.0107	3.964E-04	-0.0065
77	0.4652	MUERTA CUB	-0.0107	3.964E-04	-0.0065
77	0.9304	MUERTA CUB	-0.0107	3.964E-04	-0.0065
78	0.	DEAD	-0.6647	-0.0317	-0.0012
78	1.34084	DEAD	-0.6595	-0.0032	-0.0012
78	2.68169	DEAD	-0.6543	0.0252	-0.0012
78	0.	VIVA CUB	-0.8733	-0.0025	-0.0052
78	1.34084	VIVA CUB	-0.8733	-0.0025	-0.0052
78	2.68169	VIVA CUB	-0.8733	-0.0025	-0.0052
78	0.	VCOMP	-0.6986	-0.002	-0.0042
78	1.34084	VCOMP	-0.6986	-0.002	-0.0042
78	2.68169	VCOMP	-0.6986	-0.002	-0.0042
78	0.	VSUCC	0.6986	0.002	0.0042
78	1.34084	VSUCC	0.6986	0.002	0.0042
78	2.68169	VSUCC	0.6986	0.002	0.0042
78	0.	MUERTA CUB	0.0245	0.0013	-0.0075
78	1.34084	MUERTA CUB	0.0245	0.0013	-0.0075
78	2.68169	MUERTA CUB	0.0245	0.0013	-0.0075
79	0.	DEAD	-0.8518	-0.0282	0.0066
79	1.34084	DEAD	-0.8465	2.082E-04	0.0066
79	2.68169	DEAD	-0.8413	0.0287	0.0066
79	0.	VIVA CUB	-1.1455	0.0027	0.0285
79	1.34084	VIVA CUB	-1.1455	0.0027	0.0285
79	2.68169	VIVA CUB	-1.1455	0.0027	0.0285
79	0.	VCOMP	-0.9164	0.0022	0.0228
79	1.34084	VCOMP	-0.9164	0.0022	0.0228
79	2.68169	VCOMP	-0.9164	0.0022	0.0228
79	0.	VSUCC	0.9164	-0.0022	-0.0228
79	1.34084	VSUCC	0.9164	-0.0022	-0.0228
79	2.68169	VSUCC	0.9164	-0.0022	-0.0228
79	0.	MUERTA CUB	0.023	-3.200E-04	0.0411
79	1.34084	MUERTA CUB	0.023	-3.200E-04	0.0411
79	2.68169	MUERTA CUB	0.023	-3.200E-04	0.0411
80	0.	DEAD	-0.8413	-0.0287	-0.0066
80	1.34084	DEAD	-0.8465	-2.082E-04	-0.0066
80	2.68169	DEAD	-0.8518	0.0282	-0.0066
80	0.	VIVA CUB	-1.1455	-0.0027	-0.0285
80	1.34084	VIVA CUB	-1.1455	-0.0027	-0.0285
80	2.68169	VIVA CUB	-1.1455	-0.0027	-0.0285
80	0.	VCOMP	-0.9164	-0.0022	-0.0228
80	1.34084	VCOMP	-0.9164	-0.0022	-0.0228
80	2.68169	VCOMP	-0.9164	-0.0022	-0.0228
80	0.	VSUCC	0.9164	0.0022	0.0228
80	1.34084	VSUCC	0.9164	0.0022	0.0228
80	2.68169	VSUCC	0.9164	0.0022	0.0228

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
80	0.	MUERTA CUB	0.023	3.200E-04	-0.0411
80	1.34084	MUERTA CUB	0.023	3.200E-04	-0.0411
80	2.68169	MUERTA CUB	0.023	3.200E-04	-0.0411
81	0.	DEAD	-0.6543	-0.0252	0.0012
81	1.34084	DEAD	-0.6595	0.0032	0.0012
81	2.68169	DEAD	-0.6647	0.0317	0.0012
81	0.	VIVA CUB	-0.8733	0.0025	0.0052
81	1.34084	VIVA CUB	-0.8733	0.0025	0.0052
81	2.68169	VIVA CUB	-0.8733	0.0025	0.0052
81	0.	VCOMP	-0.6986	0.002	0.0042
81	1.34084	VCOMP	-0.6986	0.002	0.0042
81	2.68169	VCOMP	-0.6986	0.002	0.0042
81	0.	VSUCC	0.6986	-0.002	-0.0042
81	1.34084	VSUCC	0.6986	-0.002	-0.0042
81	2.68169	VSUCC	0.6986	-0.002	-0.0042
81	0.	MUERTA CUB	0.0245	-0.0013	0.0075
81	1.34084	MUERTA CUB	0.0245	-0.0013	0.0075
81	2.68169	MUERTA CUB	0.0245	-0.0013	0.0075
82	0.	DEAD	0.1453	-0.0314	-0.001
82	0.4652	DEAD	0.1553	-0.0314	-0.001
82	0.9304	DEAD	0.1653	-0.0314	-0.001
82	0.	VIVA CUB	0.143	-0.0085	-0.0046
82	0.4652	VIVA CUB	0.143	-0.0085	-0.0046
82	0.9304	VIVA CUB	0.143	-0.0085	-0.0046
82	0.	VCOMP	0.1144	-0.0068	-0.0037
82	0.4652	VCOMP	0.1144	-0.0068	-0.0037
82	0.9304	VCOMP	0.1144	-0.0068	-0.0037
82	0.	VSUCC	-0.1144	0.0068	0.0037
82	0.4652	VSUCC	-0.1144	0.0068	0.0037
82	0.9304	VSUCC	-0.1144	0.0068	0.0037
82	0.	MUERTA CUB	-0.0107	-3.964E-04	-0.0065
82	0.4652	MUERTA CUB	-0.0107	-3.964E-04	-0.0065
82	0.9304	MUERTA CUB	-0.0107	-3.964E-04	-0.0065
83	0.	DEAD	-0.1082	-0.0142	0.
83	1.34084	DEAD	-0.1055	9.104E-19	0.
83	2.68169	DEAD	-0.1029	0.0142	0.
83	0.	VIVA CUB	-0.1118	0.	0.
83	1.34084	VIVA CUB	-0.1118	0.	0.
83	2.68169	VIVA CUB	-0.1118	0.	0.
83	0.	VCOMP	-0.0894	0.	0.
83	1.34084	VCOMP	-0.0894	0.	0.
83	2.68169	VCOMP	-0.0894	0.	0.
83	0.	VSUCC	0.0894	0.	0.
83	1.34084	VSUCC	0.0894	0.	0.
83	2.68169	VSUCC	0.0894	0.	0.
83	0.	MUERTA CUB	0.0447	0.	0.
83	1.34084	MUERTA CUB	0.0447	0.	0.
83	2.68169	MUERTA CUB	0.0447	0.	0.
84	0.	DEAD	-0.1082	-0.0142	0.
84	1.34084	DEAD	-0.1055	1.531E-18	0.
84	2.68169	DEAD	-0.1029	0.0142	0.
84	0.	VIVA CUB	-0.1118	0.	0.
84	1.34084	VIVA CUB	-0.1118	0.	0.
84	2.68169	VIVA CUB	-0.1118	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
84	0.	VCOMP	-0.0894	0.	0.
84	1.34084	VCOMP	-0.0894	0.	0.
84	2.68169	VCOMP	-0.0894	0.	0.
84	0.	VSUCC	0.0894	0.	0.
84	1.34084	VSUCC	0.0894	0.	0.
84	2.68169	VSUCC	0.0894	0.	0.
84	0.	MUERTA CUB	0.0447	0.	0.
84	1.34084	MUERTA CUB	0.0447	0.	0.
84	2.68169	MUERTA CUB	0.0447	0.	0.
85	0.	DEAD	0.3222	-0.0291	0.
85	1.33911	DEAD	0.3272	-6.223E-04	0.
85	2.67821	DEAD	0.3322	0.0278	0.
85	0.	VIVA CUB	0.4035	-0.0034	-6.939E-18
85	1.33911	VIVA CUB	0.4035	-0.0034	-6.939E-18
85	2.67821	VIVA CUB	0.4035	-0.0034	-6.939E-18
85	0.	VCOMP	0.3228	-0.0027	-1.735E-18
85	1.33911	VCOMP	0.3228	-0.0027	-1.735E-18
85	2.67821	VCOMP	0.3228	-0.0027	-1.735E-18
85	0.	VSUCC	-0.3228	0.0027	1.735E-18
85	1.33911	VSUCC	-0.3228	0.0027	1.735E-18
85	2.67821	VSUCC	-0.3228	0.0027	1.735E-18
85	0.	MUERTA CUB	-0.0273	4.380E-04	-6.939E-18
85	1.33911	MUERTA CUB	-0.0273	4.380E-04	-6.939E-18
85	2.67821	MUERTA CUB	-0.0273	4.380E-04	-6.939E-18
86	0.	DEAD	0.3224	-0.0277	-5.421E-19
86	1.33911	DEAD	0.3274	7.070E-04	-5.421E-19
86	2.67821	DEAD	0.3324	0.0292	-5.421E-19
86	0.	VIVA CUB	0.4044	0.0014	-2.602E-18
86	1.33911	VIVA CUB	0.4044	0.0014	-2.602E-18
86	2.67821	VIVA CUB	0.4044	0.0014	-2.602E-18
86	0.	VCOMP	0.3235	0.0011	-3.469E-18
86	1.33911	VCOMP	0.3235	0.0011	-3.469E-18
86	2.67821	VCOMP	0.3235	0.0011	-3.469E-18
86	0.	VSUCC	-0.3235	-0.0011	3.469E-18
86	1.33911	VSUCC	-0.3235	-0.0011	3.469E-18
86	2.67821	VSUCC	-0.3235	-0.0011	3.469E-18
86	0.	MUERTA CUB	-0.0275	-5.730E-04	-2.602E-18
86	1.33911	MUERTA CUB	-0.0275	-5.730E-04	-2.602E-18
86	2.67821	MUERTA CUB	-0.0275	-5.730E-04	-2.602E-18
87	0.	DEAD	0.3324	-0.0292	3.253E-19
87	1.33911	DEAD	0.3274	-7.070E-04	3.253E-19
87	2.67821	DEAD	0.3224	0.0277	3.253E-19
87	0.	VIVA CUB	0.4044	-0.0014	-1.735E-18
87	1.33911	VIVA CUB	0.4044	-0.0014	-1.735E-18
87	2.67821	VIVA CUB	0.4044	-0.0014	-1.735E-18
87	0.	VCOMP	0.3235	-0.0011	0.
87	1.33911	VCOMP	0.3235	-0.0011	0.
87	2.67821	VCOMP	0.3235	-0.0011	0.
87	0.	VSUCC	-0.3235	0.0011	0.
87	1.33911	VSUCC	-0.3235	0.0011	0.
87	2.67821	VSUCC	-0.3235	0.0011	0.
87	0.	MUERTA CUB	-0.0275	5.730E-04	4.770E-18
87	1.33911	MUERTA CUB	-0.0275	5.730E-04	4.770E-18
87	2.67821	MUERTA CUB	-0.0275	5.730E-04	4.770E-18

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
88	0.	DEAD	0.3322	-0.0278	0.
88	1.33911	DEAD	0.3272	6.223E-04	0.
88	2.67821	DEAD	0.3222	0.0291	0.
88	0.	VIVA CUB	0.4035	0.0034	3.469E-18
88	1.33911	VIVA CUB	0.4035	0.0034	3.469E-18
88	2.67821	VIVA CUB	0.4035	0.0034	3.469E-18
88	0.	VCOMP	0.3228	0.0027	3.469E-18
88	1.33911	VCOMP	0.3228	0.0027	3.469E-18
88	2.67821	VCOMP	0.3228	0.0027	3.469E-18
88	0.	VSUCC	-0.3228	-0.0027	-3.469E-18
88	1.33911	VSUCC	-0.3228	-0.0027	-3.469E-18
88	2.67821	VSUCC	-0.3228	-0.0027	-3.469E-18
88	0.	MUERTA CUB	-0.0273	-4.380E-04	0.
88	1.33911	MUERTA CUB	-0.0273	-4.380E-04	0.
88	2.67821	MUERTA CUB	-0.0273	-4.380E-04	0.
89	0.	DEAD	0.0667	2.395E-18	0.
89	0.475	DEAD	0.0615	0.	0.
89	0.95	DEAD	0.0564	-2.395E-18	0.
89	0.	VIVA CUB	-0.0048	0.	0.
89	0.475	VIVA CUB	-0.0048	0.	0.
89	0.95	VIVA CUB	-0.0048	0.	0.
89	0.	VCOMP	-0.0038	0.	0.
89	0.475	VCOMP	-0.0038	0.	0.
89	0.95	VCOMP	-0.0038	0.	0.
89	0.	VSUCC	0.0038	0.	0.
89	0.475	VSUCC	0.0038	0.	0.
89	0.95	VSUCC	0.0038	0.	0.
89	0.	MUERTA CUB	0.001	0.	0.
89	0.475	MUERTA CUB	0.001	0.	0.
89	0.95	MUERTA CUB	0.001	0.	0.
90	0.	DEAD	0.0667	0.	0.
90	0.475	DEAD	0.0615	0.	0.
90	0.95	DEAD	0.0564	0.	0.
90	0.	VIVA CUB	-0.0048	0.	0.
90	0.475	VIVA CUB	-0.0048	0.	0.
90	0.95	VIVA CUB	-0.0048	0.	0.
90	0.	VCOMP	-0.0038	0.	0.
90	0.475	VCOMP	-0.0038	0.	0.
90	0.95	VCOMP	-0.0038	0.	0.
90	0.	VSUCC	0.0038	0.	0.
90	0.475	VSUCC	0.0038	0.	0.
90	0.95	VSUCC	0.0038	0.	0.
90	0.	MUERTA CUB	0.001	0.	0.
90	0.475	MUERTA CUB	0.001	0.	0.
90	0.95	MUERTA CUB	0.001	0.	0.
91	0.	DEAD	0.24	0.	0.
91	0.4848	DEAD	0.2452	0.	0.
91	0.9696	DEAD	0.2504	0.	0.
91	0.	VIVA CUB	0.1836	0.	0.
91	0.4848	VIVA CUB	0.1836	0.	0.
91	0.9696	VIVA CUB	0.1836	0.	0.
91	0.	VCOMP	0.1468	0.	0.
91	0.4848	VCOMP	0.1468	0.	0.
91	0.9696	VCOMP	0.1468	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
91	0.	VSUCC	-0.1468	0.	0.
91	0.4848	VSUCC	-0.1468	0.	0.
91	0.9696	VSUCC	-0.1468	0.	0.
91	0.	MUERTA CUB	-0.0269	0.	0.
91	0.4848	MUERTA CUB	-0.0269	0.	0.
91	0.9696	MUERTA CUB	-0.0269	0.	0.
94	0.	DEAD	0.0019	-0.0102	-8.674E-19
94	0.24148	DEAD	9.417E-04	-0.0051	-8.674E-19
94	0.48296	DEAD	-1.058E-16	-4.011E-17	-8.674E-19
94	0.	VIVA CUB	-2.019E-16	-2.776E-17	1.388E-17
94	0.24148	VIVA CUB	-2.019E-16	-2.776E-17	1.388E-17
94	0.48296	VIVA CUB	-2.019E-16	-2.776E-17	1.388E-17
94	0.	VCOMP	-2.019E-16	-2.776E-17	1.388E-17
94	0.24148	VCOMP	-2.019E-16	-2.776E-17	1.388E-17
94	0.	VSUCC	2.019E-16	2.776E-17	-1.388E-17
94	0.24148	VSUCC	2.019E-16	2.776E-17	-1.388E-17
94	0.48296	VSUCC	2.019E-16	2.776E-17	-1.388E-17
94	0.	MUERTA CUB	0.	0.	0.
94	0.24148	MUERTA CUB	0.	0.	0.
94	0.48296	MUERTA CUB	0.	0.	0.
95	0.	DEAD	8.836E-17	-6.939E-17	-8.674E-19
95	0.24148	DEAD	9.417E-04	0.0051	-8.674E-19
95	0.48296	DEAD	0.0019	0.0102	-8.674E-19
95	0.	VIVA CUB	2.019E-16	-1.110E-16	0.
95	0.24148	VIVA CUB	2.019E-16	-1.110E-16	0.
95	0.48296	VIVA CUB	2.019E-16	-1.110E-16	0.
95	0.	VCOMP	2.019E-16	-2.776E-17	-3.469E-18
95	0.24148	VCOMP	2.019E-16	-2.776E-17	-3.469E-18
95	0.48296	VCOMP	2.019E-16	-2.776E-17	-3.469E-18
95	0.	VSUCC	-2.019E-16	2.776E-17	3.469E-18
95	0.24148	VSUCC	-2.019E-16	2.776E-17	3.469E-18
95	0.48296	VSUCC	-2.019E-16	2.776E-17	3.469E-18
95	0.	MUERTA CUB	-1.577E-18	1.084E-18	-1.388E-17
95	0.24148	MUERTA CUB	-1.577E-18	1.084E-18	-1.388E-17
95	0.48296	MUERTA CUB	-1.577E-18	1.084E-18	-1.388E-17
96	0.	DEAD	0.213	0.0347	0.0039
96	0.4652	DEAD	0.223	0.0347	0.0039
96	0.9304	DEAD	0.233	0.0347	0.0039
96	0.	VIVA CUB	0.4452	0.0237	0.0169
96	0.4652	VIVA CUB	0.4452	0.0237	0.0169
96	0.9304	VIVA CUB	0.4452	0.0237	0.0169
96	0.	VCOMP	0.3562	0.0189	0.0135
96	0.4652	VCOMP	0.3562	0.0189	0.0135
96	0.9304	VCOMP	0.3562	0.0189	0.0135
96	0.	VSUCC	-0.3562	-0.0189	-0.0135
96	0.4652	VSUCC	-0.3562	-0.0189	-0.0135
96	0.9304	VSUCC	-0.3562	-0.0189	-0.0135
96	0.	MUERTA CUB	0.4123	0.0215	0.0239
96	0.4652	MUERTA CUB	0.4123	0.0215	0.0239
96	0.9304	MUERTA CUB	0.4123	0.0215	0.0239
97	0.	DEAD	-1.0517	-0.0336	0.0063
97	1.34084	DEAD	-1.0465	-0.0052	0.0063
97	2.68169	DEAD	-1.0413	0.0233	0.0063

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
97	0.	VIVA CUB	-2.5999	-0.0111	0.0278
97	1.34084	VIVA CUB	-2.5999	-0.0111	0.0278
97	2.68169	VIVA CUB	-2.5999	-0.0111	0.0278
97	0.	VCOMP	-2.0799	-0.0089	0.0223
97	1.34084	VCOMP	-2.0799	-0.0089	0.0223
97	2.68169	VCOMP	-2.0799	-0.0089	0.0223
97	0.	VSUCC	2.0799	0.0089	-0.0223
97	1.34084	VSUCC	2.0799	0.0089	-0.0223
97	2.68169	VSUCC	2.0799	0.0089	-0.0223
97	0.	MUERTA CUB	-2.3963	-0.0106	0.0402
97	1.34084	MUERTA CUB	-2.3963	-0.0106	0.0402
97	2.68169	MUERTA CUB	-2.3963	-0.0106	0.0402
98	0.	DEAD	-1.3512	-0.0269	-0.0392
98	1.34084	DEAD	-1.346	0.0016	-0.0392
98	2.68169	DEAD	-1.3408	0.03	-0.0392
98	0.	VIVA CUB	-3.3731	0.0088	-0.1655
98	1.34084	VIVA CUB	-3.3731	0.0088	-0.1655
98	2.68169	VIVA CUB	-3.3731	0.0088	-0.1655
98	0.	VCOMP	-2.6985	0.007	-0.1324
98	1.34084	VCOMP	-2.6985	0.007	-0.1324
98	2.68169	VCOMP	-2.6985	0.007	-0.1324
98	0.	VSUCC	2.6985	-0.007	0.1324
98	1.34084	VSUCC	2.6985	-0.007	0.1324
98	2.68169	VSUCC	2.6985	-0.007	0.1324
98	0.	MUERTA CUB	-3.1027	0.0082	-0.2439
98	1.34084	MUERTA CUB	-3.1027	0.0082	-0.2439
98	2.68169	MUERTA CUB	-3.1027	0.0082	-0.2439
99	0.	DEAD	-1.3408	-0.03	0.0392
99	1.34084	DEAD	-1.346	-0.0016	0.0392
99	2.68169	DEAD	-1.3512	0.0269	0.0392
99	0.	VIVA CUB	-3.3731	-0.0088	0.1655
99	1.34084	VIVA CUB	-3.3731	-0.0088	0.1655
99	2.68169	VIVA CUB	-3.3731	-0.0088	0.1655
99	0.	VCOMP	-2.6985	-0.007	0.1324
99	1.34084	VCOMP	-2.6985	-0.007	0.1324
99	2.68169	VCOMP	-2.6985	-0.007	0.1324
99	0.	VSUCC	2.6985	0.007	-0.1324
99	1.34084	VSUCC	2.6985	0.007	-0.1324
99	2.68169	VSUCC	2.6985	0.007	-0.1324
99	0.	MUERTA CUB	-3.1027	-0.0082	0.2439
99	1.34084	MUERTA CUB	-3.1027	-0.0082	0.2439
99	2.68169	MUERTA CUB	-3.1027	-0.0082	0.2439
100	0.	DEAD	-1.0413	-0.0233	-0.0063
100	1.34084	DEAD	-1.0465	-0.0052	-0.0063
100	2.68169	DEAD	-1.0517	0.0336	-0.0063
100	0.	VIVA CUB	-2.5999	0.0111	-0.0278
100	1.34084	VIVA CUB	-2.5999	0.0111	-0.0278
100	2.68169	VIVA CUB	-2.5999	0.0111	-0.0278
100	0.	VCOMP	-2.0799	0.0089	-0.0223
100	1.34084	VCOMP	-2.0799	0.0089	-0.0223
100	2.68169	VCOMP	-2.0799	0.0089	-0.0223
100	0.	VSUCC	2.0799	-0.0089	0.0223
100	1.34084	VSUCC	2.0799	-0.0089	0.0223
100	2.68169	VSUCC	2.0799	-0.0089	0.0223

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
100	0.	MUERTA CUB	-2.3963	0.0106	-0.0402
100	1.34084	MUERTA CUB	-2.3963	0.0106	-0.0402
100	2.68169	MUERTA CUB	-2.3963	0.0106	-0.0402
101	0.	DEAD	0.213	-0.0347	0.0039
101	0.4652	DEAD	0.223	-0.0347	0.0039
101	0.9304	DEAD	0.233	-0.0347	0.0039
101	0.	VIVA CUB	0.4452	-0.0237	0.0169
101	0.4652	VIVA CUB	0.4452	-0.0237	0.0169
101	0.9304	VIVA CUB	0.4452	-0.0237	0.0169
101	0.	VCOMP	0.3562	-0.0189	0.0135
101	0.4652	VCOMP	0.3562	-0.0189	0.0135
101	0.9304	VCOMP	0.3562	-0.0189	0.0135
101	0.	VSUCC	-0.3562	0.0189	-0.0135
101	0.4652	VSUCC	-0.3562	0.0189	-0.0135
101	0.9304	VSUCC	-0.3562	0.0189	-0.0135
101	0.	MUERTA CUB	0.4123	-0.0215	0.0239
101	0.4652	MUERTA CUB	0.4123	-0.0215	0.0239
101	0.9304	MUERTA CUB	0.4123	-0.0215	0.0239
102	0.	DEAD	-0.1845	-0.0142	0.
102	1.34084	DEAD	-0.1819	9.104E-19	0.
102	2.68169	DEAD	-0.1793	0.0142	0.
102	0.	VIVA CUB	-0.4543	0.	0.
102	1.34084	VIVA CUB	-0.4543	0.	0.
102	2.68169	VIVA CUB	-0.4543	0.	0.
102	0.	VCOMP	-0.3634	0.	0.
102	1.34084	VCOMP	-0.3634	0.	0.
102	2.68169	VCOMP	-0.3634	0.	0.
102	0.	VSUCC	0.3634	0.	0.
102	1.34084	VSUCC	0.3634	0.	0.
102	2.68169	VSUCC	0.3634	0.	0.
102	0.	MUERTA CUB	-0.4308	0.	0.
102	1.34084	MUERTA CUB	-0.4308	0.	0.
102	2.68169	MUERTA CUB	-0.4308	0.	0.
103	0.	DEAD	-0.1845	-0.0142	0.
103	1.34084	DEAD	-0.1819	1.531E-18	0.
103	2.68169	DEAD	-0.1793	0.0142	0.
103	0.	VIVA CUB	-0.4543	0.	0.
103	1.34084	VIVA CUB	-0.4543	0.	0.
103	2.68169	VIVA CUB	-0.4543	0.	0.
103	0.	VCOMP	-0.3634	0.	0.
103	1.34084	VCOMP	-0.3634	0.	0.
103	2.68169	VCOMP	-0.3634	0.	0.
103	0.	VSUCC	0.3634	0.	0.
103	1.34084	VSUCC	0.3634	0.	0.
103	2.68169	VSUCC	0.3634	0.	0.
103	0.	MUERTA CUB	-0.4308	0.	0.
103	1.34084	MUERTA CUB	-0.4308	0.	0.
103	2.68169	MUERTA CUB	-0.4308	0.	0.
104	0.	DEAD	0.5163	-0.0023	-1.193E-18
104	1.34084	DEAD	0.5163	-0.0023	-1.193E-18
104	2.67821	DEAD	0.5213	0.0261	-1.193E-18
104	0.	VIVA CUB	1.2484	-0.0111	-6.939E-18
104	1.33911	VIVA CUB	1.2484	-0.0111	-6.939E-18
104	2.67821	VIVA CUB	1.2484	-0.0111	-6.939E-18

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
104	0.	VCOMP	0.9987	-0.0089	-6.939E-18
104	1.33911	VCOMP	0.9987	-0.0089	-6.939E-18
104	2.67821	VCOMP	0.9987	-0.0089	-6.939E-18
104	0.	VSUCC	-0.9987	0.0089	6.939E-18
104	1.33911	VSUCC	-0.9987	0.0089	6.939E-18
104	2.67821	VSUCC	-0.9987	0.0089	6.939E-18
104	0.	MUERTA CUB	1.1552	-0.0103	9.541E-18
104	1.33911	MUERTA CUB	1.1552	-0.0103	9.541E-18
104	2.67821	MUERTA CUB	1.1552	-0.0103	9.541E-18
105	0.	DEAD	0.512	-0.0268	-8.674E-19
105	1.33911	DEAD	0.517	0.0017	-8.674E-19
105	2.67821	DEAD	0.522	0.0301	-8.674E-19
105	0.	VIVA CUB	1.2513	0.0056	-6.939E-18
105	1.33911	VIVA CUB	1.2513	0.0056	-6.939E-18
105	2.67821	VIVA CUB	1.2513	0.0056	-6.939E-18
105	0.	VCOMP	1.0011	0.0045	-6.939E-18
105	1.33911	VCOMP	1.0011	0.0045	-6.939E-18
105	2.67821	VCOMP	1.0011	0.0045	-6.939E-18
105	0.	VSUCC	-1.0011	-0.0045	6.939E-18
105	1.33911	VSUCC	-1.0011	-0.0045	6.939E-18
105	2.67821	VSUCC	-1.0011	-0.0045	6.939E-18
105	0.	MUERTA CUB	1.158	0.0054	0.
105	1.33911	MUERTA CUB	1.158	0.0054	0.
105	2.67821	MUERTA CUB	1.158	0.0054	0.
106	0.	DEAD	0.522	-0.0301	-8.674E-19
106	1.33911	DEAD	0.517	-0.0017	-8.674E-19
106	2.67821	DEAD	0.512	0.0268	-8.674E-19
106	0.	VIVA CUB	1.2513	-0.0056	6.939E-18
106	1.33911	VIVA CUB	1.2513	-0.0056	6.939E-18
106	2.67821	VIVA CUB	1.2513	-0.0056	6.939E-18
106	0.	VCOMP	1.0011	-0.0045	6.939E-18
106	1.33911	VCOMP	1.0011	-0.0045	6.939E-18
106	2.67821	VCOMP	1.0011	-0.0045	6.939E-18
106	0.	VSUCC	-1.0011	0.0045	-6.939E-18
106	1.33911	VSUCC	-1.0011	0.0045	-6.939E-18
106	2.67821	VSUCC	-1.0011	0.0045	-6.939E-18
106	0.	MUERTA CUB	1.158	-0.0054	2.082E-17
106	1.33911	MUERTA CUB	1.158	-0.0054	2.082E-17
106	2.67821	MUERTA CUB	1.158	-0.0054	2.082E-17
107	0.	DEAD	0.5213	-0.0261	2.141E-18
107	1.33911	DEAD	0.5163	0.0023	2.141E-18
107	2.67821	DEAD	0.513	0.0308	2.141E-18
107	0.	VIVA CUB	1.2484	0.0111	2.602E-17
107	1.33911	VIVA CUB	1.2484	0.0111	2.602E-17
107	2.67821	VIVA CUB	1.2484	0.0111	2.602E-17
107	0.	VCOMP	0.9987	0.0089	1.041E-17
107	1.33911	VCOMP	0.9987	0.0089	1.041E-17
107	2.67821	VCOMP	0.9987	0.0089	1.041E-17
107	0.	VSUCC	-0.9987	-0.0089	-1.041E-17
107	1.33911	VSUCC	-0.9987	-0.0089	-1.041E-17
107	2.67821	VSUCC	-0.9987	-0.0089	-1.041E-17
107	0.	MUERTA CUB	1.1552	0.0103	2.342E-17
107	1.33911	MUERTA CUB	1.1552	0.0103	2.342E-17
107	2.67821	MUERTA CUB	1.1552	0.0103	2.342E-17

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
108	0.	DEAD	0.064	2.395E-18	0.
108	0.475	DEAD	0.0598	0.	0.
108	0.95	DEAD	0.0537	-2.395E-18	0.
108	0.	VIVA CUB	-0.017	0.	0.
108	0.475	VIVA CUB	-0.017	0.	0.
108	0.95	VIVA CUB	-0.017	0.	0.
108	0.	VCOMP	-0.0136	0.	0.
108	0.475	VCOMP	-0.0136	0.	0.
108	0.95	VCOMP	-0.0136	0.	0.
108	0.	VSUCC	0.0136	0.	0.
108	0.475	VSUCC	0.0136	0.	0.
108	0.95	VSUCC	0.0136	0.	0.
108	0.	MUERTA CUB	-0.0159	0.	0.
108	0.475	MUERTA CUB	-0.0159	0.	0.
108	0.95	MUERTA CUB	-0.0159	0.	0.
109	0.	DEAD	0.064	0.	0.
109	0.475	DEAD	0.0588	0.	0.
109	0.95	DEAD	0.0537	0.	0.
109	0.	VIVA CUB	-0.017	0.	0.
109	0.475	VIVA CUB	-0.017	0.	0.
109	0.95	VIVA CUB	-0.017	0.	0.
109	0.	VCOMP	-0.0136	0.	0.
109	0.475	VCOMP	-0.0136	0.	0.
109	0.95	VCOMP	-0.0136	0.	0.
109	0.	VSUCC	0.0136	0.	0.
109	0.475	VSUCC	0.0136	0.	0.
109	0.95	VSUCC	0.0136	0.	0.
109	0.	MUERTA CUB	-0.0159	0.	0.
109	0.475	MUERTA CUB	-0.0159	0.	0.
109	0.95	MUERTA CUB	-0.0159	0.	0.
110	0.	DEAD	0.3353	0.	0.
110	0.4848	DEAD	0.3405	0.	0.
110	0.9696	DEAD	0.3458	0.	0.
110	0.	VIVA CUB	0.61	0.	0.
110	0.4848	VIVA CUB	0.61	0.	0.
110	0.9696	VIVA CUB	0.61	0.	0.
110	0.	VCOMP	0.488	0.	0.
110	0.4848	VCOMP	0.488	0.	0.
110	0.9696	VCOMP	0.488	0.	0.
110	0.	VSUCC	-0.488	0.	0.
110	0.4848	VSUCC	-0.488	0.	0.
110	0.9696	VSUCC	-0.488	0.	0.
110	0.	MUERTA CUB	0.5686	0.	0.
110	0.4848	MUERTA CUB	0.5686	0.	0.
110	0.9696	MUERTA CUB	0.5686	0.	0.
113	0.	DEAD	0.0019	-0.0102	3.469E-18
113	0.24148	DEAD	9.417E-04	-0.0051	3.469E-18
113	0.48296	DEAD	-1.058E-16	1.540E-17	3.469E-18
113	0.	VIVA CUB	-8.076E-16	-5.551E-17	8.327E-17
113	0.24148	VIVA CUB	-8.076E-16	-5.551E-17	8.327E-17
113	0.48296	VIVA CUB	-8.076E-16	-5.551E-17	8.327E-17
113	0.	VCOMP	-4.038E-16	1.110E-16	1.388E-17
113	0.24148	VCOMP	-4.038E-16	1.110E-16	1.388E-17
113	0.48296	VCOMP	-4.038E-16	1.110E-16	1.388E-17

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
113	0.	VSUCC	4.038E-16	-1.110E-16	-1.388E-17
113	0.24148	VSUCC	4.038E-16	-1.110E-16	-1.388E-17
113	0.48296	VSUCC	4.038E-16	-1.110E-16	-1.388E-17
113	0.	MUERTA CUB	1.665E-16	-2.776E-17	0.
113	0.24148	MUERTA CUB	0.	1.665E-16	-2.776E-17
113	0.48296	MUERTA CUB	0.	1.665E-16	-2.776E-17
114	0.	DEAD	-1.136E-16	-8.327E-17	-1.041E-17
114	0.24148	DEAD	9.417E-04	0.0051	-1.041E-17
114	0.48296	DEAD	0.0019	0.0102	-1.041E-17
114	0.	VIVA CUB	8.076E-16	-3.886E-16	-4.163E-17
114	0.24148	VIVA CUB	8.076E-16	-3.886E-16	-4.163E-17
114	0.48296	VIVA CUB	8.076E-16	-3.886E-16	-4.163E-17
114	0.	VCOMP	4.038E-16	-1.665E-16	1.388E-17
114	0.24148	VCOMP	4.038E-16	-1.665E-16	1.388E-17
114	0.48296	VCOMP	4.038E-16	-1.665E-16	1.388E-17
114	0.	VSUCC	-4.038E-16	1.665E-16	-1.388E-17
114	0.24148	VSUCC	-4.038E-16	1.665E-16	-1.388E-17
114	0.48296	VSUCC	-4.038E-16	1.665E-16	-1.388E-17
114	0.	MUERTA CUB	0.	-3.886E-16	0.
114	0.24148	MUERTA CUB	0.	-3.886E-16	0.
114	0.48296	MUERTA CUB	0.	-3.886E-16	0.
134	0.	DEAD	0.	-0.0451	-0.0019
134	0.472	DEAD	0.	-0.0409	-0.0019
134	0.944	DEAD	0.	-0.0367	-0.0019
134	1.416	DEAD	0.	-0.0325	-0.0019
134	1.888	DEAD	0.	-0.0283	-0.0019
134	2.36	DEAD	0.	-0.0241	-0.0019
134	0.	VIVA CUB	0.	-0.3196	-0.0068
134	0.472	VIVA CUB	0.	-0.2561	-0.0068
134	0.944	VIVA CUB	0.	-0.1924	-0.0068
134	1.416	VIVA CUB	0.	-0.1286	-0.0068
134	1.888	VIVA CUB	0.	-0.0649	-0.0068
134	2.36	VIVA CUB	0.	-0.0012	-0.0068
134	0.	VCOMP	0.	-0.2558	-0.0055
134	0.472	VCOMP	0.	-0.2049	-0.0055
134	0.944	VCOMP	0.	-0.1539	-0.0055
134	1.416	VCOMP	0.	-0.1029	-0.0055
134	1.888	VCOMP	0.	-0.0519	-0.0055
134	2.36	VCOMP	0.	-9.577E-04	-0.0055
134	0.	VSUCC	0.	0.2558	0.0055
134	0.472	VSUCC	0.	0.2049	0.0055
134	0.944	VSUCC	0.	0.1539	0.0055
134	1.416	VSUCC	0.	0.1029	0.0055
134	1.888	VSUCC	0.	0.0519	0.0055
134	2.36	VSUCC	0.	9.577E-04	0.0055
134	0.	MUERTA CUB	0.	-0.3006	-0.0108
134	0.472	MUERTA CUB	0.	-0.2674	-0.0108
134	0.944	MUERTA CUB	0.	-0.2343	-0.0108
134	1.416	MUERTA CUB	0.	-0.2012	-0.0108
134	1.888	MUERTA CUB	0.	-0.168	-0.0108
134	2.36	MUERTA CUB	0.	-0.1349	-0.0108
135	0.	DEAD	-0.0428	-0.0422	-0.0025
135	0.486	DEAD	-0.0428	-0.0379	-0.0025
135	0.972	DEAD	-0.0428	-0.0335	-0.0025

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
135	1.458	DEAD	-0.0428	-0.0292	-0.0025
135	1.944	DEAD	-0.0428	-0.0249	-0.0025
135	2.43	DEAD	-0.0428	-0.0205	-0.0025
135	0.	VIVA CUB	-0.1782	-0.2949	-0.0106
135	0.486	VIVA CUB	-0.1782	-0.2292	-0.0106
135	0.972	VIVA CUB	-0.1782	-0.1636	-0.0106
135	1.458	VIVA CUB	-0.1782	-0.098	-0.0106
135	1.944	VIVA CUB	-0.1782	-0.0324	-0.0106
135	2.43	VIVA CUB	-0.1782	0.0332	-0.0106
135	0.	VCOMP	-0.1426	-0.2359	-0.0085
135	0.486	VCOMP	-0.1426	-0.1834	-0.0085
135	0.972	VCOMP	-0.1426	-0.1309	-0.0085
135	1.458	VCOMP	-0.1426	-0.0784	-0.0085
135	1.944	VCOMP	-0.1426	-0.0259	-0.0085
135	2.43	VCOMP	-0.1426	0.0266	-0.0085
135	0.	VSUCC	0.1426	0.2359	0.0085
135	0.486	VSUCC	0.1426	0.1834	0.0085
135	0.972	VSUCC	0.1426	0.1309	0.0085
135	1.458	VSUCC	0.1426	0.0784	0.0085
135	1.944	VSUCC	0.1426	0.0259	0.0085
135	2.43	VSUCC	0.1426	-0.0266	0.0085
135	0.	MUERTA CUB	-0.2668	-0.2791	-0.0154
135	0.486	MUERTA CUB	-0.2668	-0.2449	-0.0154
135	0.972	MUERTA CUB	-0.2668	-0.2108	-0.0154
135	1.458	MUERTA CUB	-0.2668	-0.1767	-0.0154

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
136	1.458	MUERTA CUB	-0.218	0.0172	-9.697E-04
136	1.944	MUERTA CUB	-0.218	0.0513	-9.697E-04
136	2.43	MUERTA CUB	-0.218	0.0854	-9.697E-04
137	0.	DEAD	-0.0416	0.0209	0.0023
137	0.486	DEAD	-0.0416	0.0252	0.0023
137	0.972	DEAD	-0.0416	0.0296	0.0023
137	1.458	DEAD	-0.0416	0.0339	0.0023
137	1.944	DEAD	-0.0416	0.0382	0.0023
137	2.43	DEAD	-0.0416	0.0426	0.0023
137	0.	VIVA CUB	-0.1765	-0.0272	0.01
137	0.486	VIVA CUB	-0.1765	0.0284	0.01
137	0.972	VIVA CUB	-0.1765	0.104	0.01
137	1.458	VIVA CUB	-0.1765	0.1696	0.01
137	1.944	VIVA CUB	-0.1765	0.2353	0.01
137	2.43	VIVA CUB	-0.1765	0.3009	0.01
137	0.	VCOMP	-0.1412	-0.0218	0.008
137	0.486	VCOMP	-0.1412	0.0307	0.008
137	0.972	VCOMP	-0.1412	0.0832	0.008
137	1.458	VCOMP	-0.1412	0.1357	0.008
137	1.944	VCOMP	-0.1412	0.1882	0.008
137	2.43	VCOMP	-0.1412	0.2407	0.008
137	0.	VSUCC	0.1412	0.0218	-0.008
137	0.486	VSUCC	0.1412	-0.0307	-0.008
137	0.972	VSUCC	0.1412	-0.0832	-0.008
137	1.458	VSUCC	0.1412	-0.1357	-0.008
137	1.944	VSUCC	0.1412	-0.1882	-0.008
137	2.43	VSUCC	0.1412	-0.2407	-0.008
137	0.	MUERTA CUB	-0.2601	0.1114	0.0145
137	0.486	MUERTA CUB	-0.2601	0.1455	0.0145
137	0.972	MUERTA CUB	-0.2601	0.1797	0.0145
137	1.458	MUERTA CUB	-0.2601	0.2138	0.0145
137	1.944	MUERTA CUB	-0.2601	0.2479	0.0145
137	2.43	MUERTA CUB	-0.2601	0.282	0.0145
138	0.	DEAD	-5.551E-17	-0.0457	0.0018
138	0.486	DEAD	-5.551E-17	-0.0414	0.0018
138	0.972	DEAD	-5.551E-17	-0.0371	0.0018
138	1.458	DEAD	-5.551E-17	-0.0327	0.0018
138	1.944	DEAD	-5.551E-17	-0.0284	0.0018
138	2.43	DEAD	-5.551E-17	-0.0241	0.0018
138	0.	VIVA CUB	0.	-0.3292	0.0067
138	0.486	VIVA CUB	0.	-0.2636	0.0067
138	0.972	VIVA CUB	0.	-0.198	0.0067
138	1.458	VIVA CUB	0.	-0.1324	0.0067
138	1.944	VIVA CUB	0.	-0.0668	0.0067
138	2.43	VIVA CUB	0.	-0.0012	0.0067
138	0.	VCOMP	-1.110E-16	-0.2634	0.0054
138	0.486	VCOMP	-1.110E-16	-0.2109	0.0054
138	0.972	VCOMP	-1.110E-16	-0.1584	0.0054
138	1.458	VCOMP	-1.110E-16	-0.1059	0.0054
138	1.944	VCOMP	-1.110E-16	-0.0534	0.0054
138	2.43	VCOMP	-1.110E-16	-9.302E-04	0.0054
138	0.	VSUCC	1.110E-16	0.2634	-0.0054
138	0.486	VSUCC	1.110E-16	0.2109	-0.0054
138	0.972	VSUCC	1.110E-16	0.1584	-0.0054

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
138	1.458	VSUCC	1.110E-16	0.1059	-0.0054
138	1.944	VSUCC	1.110E-16	0.0534	-0.0054
138	2.43	VSUCC	1.110E-16	9.302E-04	-0.0054
138	0.	MUERTA CUB	-2.220E-16	-0.3054	0.0105
138	0.486	MUERTA CUB	-2.220E-16	-0.2713	0.0105
138	0.972	MUERTA CUB	-2.220E-16	-0.2372	0.0105
138	1.458	MUERTA CUB	-2.220E-16	-0.2031	0.0105
138	1.944	MUERTA CUB	-2.220E-16	-0.169	0.0105
138	2.43	MUERTA CUB	-2.220E-16	-0.1348	0.0105
144	0.	DEAD	0.	-0.0451	0.0019
144	0.472	DEAD	0.	-0.0409	0.0019
144	0.944	DEAD	0.	-0.0367	0.0019
144	1.416	DEAD	0.	-0.0325	0.0019
144	1.888	DEAD	0.	-0.0283	0.0019
144	2.36	DEAD	0.	-0.0241	0.0019
144	0.	VIVA CUB	0.	-0.3198	0.0068
144	0.472	VIVA CUB	0.	-0.2561	0.0068
144	0.944	VIVA CUB	0.	-0.1924	0.0068
144	1.416	VIVA CUB	0.	-0.1286	0.0068
144	1.888	VIVA CUB	0.	-0.0649	0.0068
144	2.36	VIVA CUB	0.	-0.0012	0.0068
144	0.	VCOMP	0.	-0.2558	0.0055
144	0.472	VCOMP	0.	-0.2049	0.0055
144	0.944	VCOMP	0.	-0.1539	0.0055
144	1.416	VCOMP	0.	-0.1029	0.0055
144	1.888	VCOMP	0.	-0.0519	0.0055
144	2.36	VCOMP	0.	-9.577E-04	0.0055
144	0.	VSUCC	0.	0.2558	-0.0055
144	0.472	VSUCC	0.	0.2049	-0.0055
144	0.944	VSUCC	0.	0.1539	-0.0055
144	1.416	VSUCC	0.	0.1029	-0.0055
144	1.888	VSUCC	0.	0.0519	-0.0055
144	2.36	VSUCC	0.	9.577E-04	-0.0055
144	0.	MUERTA CUB	0.	-0.3006	0.0108
144	0.472	MUERTA CUB	0.	-0.2674	0.0108
144	0.944	MUERTA CUB	0.	-0.2343	0.0108
144	1.416	MUERTA CUB	0.	-0.2012	0.0108
144	1.888	MUERTA CUB	0.	-0.168	0.0108
144	2.36	MUERTA CUB	0.	-0.1349	0.0108
145	0.	DEAD	-0.0428	-0.0422	0.0025
145	0.486	DEAD	-0.0428	-0.0379	0.0025
145	0.972	DEAD	-0.0428	-0.0335	0.0025
145	1.458	DEAD	-0.0428	-0.0292	0.0025
145	1.944	DEAD	-0.0428	-0.0249	0.0025
145	2.43	DEAD	-0.0428	-0.0205	0.0025
145	0.	VIVA CUB	-0.1782	-0.2948	0.0106
145	0.486	VIVA CUB	-0.1782	-0.2292	0.0106
145	0.972	VIVA CUB	-0.1782	-0.1636	0.0106
145	1.458	VIVA CUB	-0.1782	-0.098	0.0106
145	1.944	VIVA CUB	-0.1782	-0.0324	0.0106
145	2.43	VIVA CUB	-0.1782	0.0332	0.0106
145	0.	VCOMP	-0.1426	-0.2359	0.0085
145	0.486	VCOMP	-0.1426	-0.1834	0.0085
145	0.972	VCOMP	-0.1426	-0.1309	0.0085

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
145	1.458	VCOMP	-0.1426	-0.0784	0.0085
145	1.944	VCOMP	-0.1426	-0.0259	0.0085
145	2.43	VCOMP	-0.1426	0.0266	0.0085
145	0.	VSUCC	0.1426	0.0259	-0.0085
145	0.486	VSUCC	0.1426	0.1834	-0.0085
145	0.972	VSUCC	0.1426	0.1309	-0.0085
145	1.458	VSUCC	0.1426	0.0784	-0.0085
145	1.944	VSUCC	0.1426	0.0259	-0.0085
145	2.43	VSUCC	0.1426	-0.0266	-0.0085
145	0.	MUERTA CUB	-0.2668	-0.2791	0.0154
145	0.486	MUERTA CUB	-0.2668	-0.2449	0.0154
145	0.972	MUERTA CUB	-0.2668	-0.2108	0.0154
145	1.458	MUERTA CUB	-0.2668	-0.1767	0.0154
145	1.944	MUERTA CUB	-0.2668	-0.1426	0.0154
145	2.43	MUERTA CUB	-0.2668	-0.1085	0.0154
146	0.	DEAD	-0.0349	-0.0108	1.508E-04
146	0.486	DEAD	-0.0349	-0.0065	1.508E-04
146	0.972	DEAD	-0.0349	-0.0021	1.508E-04
146	1.458	DEAD	-0.0349	0.0022	1.508E-04
146	1.944	DEAD	-0.0349	0.0065	1.508E-04
146	2.43	DEAD	-0.0349	0.0109	1.508E-04
146	0.	VIVA CUB	-0.1475	-0.1645	8.804E-04
146	0.486	VIVA CUB	-0.1475	-0.0989	8.804E-04
146	0.972	VIVA CUB	-0.1475	-0.0333	8.804E-04
146	1.458	VIVA CUB	-0.1475	0.0323	8.804E-04
146	1.944	VIVA CUB	-0.1475	0.0979	8.804E-04
146	2.43	VIVA CUB	-0.1475	0.1635	8.804E-04
146	0.	VCOMP	-0.118	-0.1316	7.044E-04
146	0.486	VCOMP	-0.118	-0.0791	7.044E-04
146	0.972	VCOMP	-0.118	-0.0266	7.044E-04
146	1.458	VCOMP	-0.118	0.0259	7.044E-04
146	1.944	VCOMP	-0.118	0.0783	7.044E-04
146	2.43	VCOMP	-0.118	0.1308	7.044E-04
146	0.	VSUCC	0.118	0.1316	-7.044E-04
146	0.486	VSUCC	0.118	0.0791	-7.044E-04
146	0.972	VSUCC	0.118	0.0266	-7.044E-04
146	1.458	VSUCC	0.118	-0.0259	-7.044E-04
146	1.944	VSUCC	0.118	-0.0783	-7.044E-04
146	2.43	VSUCC	0.118	-0.1308	-7.044E-04
146	0.	MUERTA CUB	-0.218	-0.0852	9.697E-04
146	0.486	MUERTA CUB	-0.218	-0.051	9.697E-04
146	0.972	MUERTA CUB	-0.218	-0.0169	9.697E-04
146	1.458	MUERTA CUB	-0.218	0.0172	9.697E-04
146	1.944	MUERTA CUB	-0.218	0.0513	9.697E-04
146	2.43	MUERTA CUB	-0.218	0.0854	9.697E-04
147	0.	DEAD	-0.0416	0.0209	-0.0023
147	0.486	DEAD	-0.0416	0.0252	-0.0023
147	0.972	DEAD	-0.0416	0.0296	-0.0023
147	1.458	DEAD	-0.0416	0.0339	-0.0023
147	1.944	DEAD	-0.0416	0.0382	-0.0023
147	2.43	DEAD	-0.0416	0.0426	-0.0023
147	0.	VIVA CUB	-0.1765	-0.0272	-0.01
147	0.486	VIVA CUB	-0.1765	0.0284	-0.01
147	0.972	VIVA CUB	-0.1765	0.104	-0.01

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station	OutputCase	P Tonf	V2 Tonf	V3 Tonf
147	1.458	VIVA CUB	-0.1765	0.1696	-0.01
147	1.944	VIVA CUB	-0.1765	0.2353	-0.01
147	2.43	VIVA CUB	-0.1765	0.3009	-0.01
147	0	VCOMP	-0.1412	-0.0218	-0.008
147	0.486	VCOMP	-0.1412	0.0307	-0.008
147	0.972	VCOMP	-0.1412	0.0832	-0.008
147	1.458	VCOMP	-0.1412	0.1357	-0.008
147	1.944	VCOMP	-0.1412	0.1882	-0.008
147	2.43	VCOMP	-0.1412	0.2407	-0.008
147	0	VSUCC	0.1412	0.0218	0.008
147	0.486	VSUCC	0.1412	-0.0307	0.008
147	0.972	VSUCC	0.1412	-0.0832	0.008
147	1.458	VSUCC	0.1412	-0.1357	0.008
147	1.944	VSUCC	0.1412	-0.1882	0.008
147	2.43	VSUCC	0.1412	-0.2407	0.008
147	0	MUERTA CUB	-0.2601	0.1114	-0.0145
147	0.486	MUERTA CUB	-0.2601	0.1455	-0.0145
147	0.972	MUERTA CUB	-0.2601	0.1797	-0.0145
147	1.458	MUERTA CUB	-0.2601	0.2138	-0.0145
147	1.944	MUERTA CUB	-0.2601	0.2479	-0.0145
147	2.43	MUERTA CUB	-0.2601	0.282	-0.0145
148	0	DEAD	0	-0.0457	-0.0018
148	0.486	DEAD	0	-0.0414	-0.0018
148	0.972	DEAD	0	-0.0371	-0.0018
148	1.458	DEAD	0	-0.0327	-0.0018
148	1.944	DEAD	0	-0.0284	-0.0018
148	2.43	DEAD	0	-0.0241	-0.0018
148	0	VIVA CUB	0	-0.3292	-0.0067
148	0.486	VIVA CUB	0	-0.2636	-0.0067
148	0.972	VIVA CUB	0	-0.198	-0.0067
148	1.458	VIVA CUB	0	-0.1324	-0.0067
148	1.944	VIVA CUB	0	-0.0668	-0.0067
148	2.43	VIVA CUB	0	-0.0012	-0.0067
148	0	VCOMP	0	-0.2634	-0.0054
148	0.486	VCOMP	0	-0.2109	-0.0054
148	0.972	VCOMP	0	-0.1584	-0.0054
148	1.458	VCOMP	0	-0.1059	-0.0054
148	1.944	VCOMP	0	-0.0534	-0.0054
148	2.43	VCOMP	0	-0.302E-04	-0.0054
148	0	VSUCC	0	0.2634	0.0054
148	0.486	VSUCC	0	0.2109	0.0054
148	0.972	VSUCC	0	0.1584	0.0054
148	1.458	VSUCC	0	0.1059	0.0054
148	1.944	VSUCC	0	0.0534	0.0054
148	2.43	VSUCC	0	9.302E-04	0.0054
148	0	MUERTA CUB	-2.220E-16	-0.3054	-0.0105
148	0.486	MUERTA CUB	-2.220E-16	-0.2713	-0.0105
148	0.972	MUERTA CUB	-2.220E-16	-0.2372	-0.0105
148	1.458	MUERTA CUB	-2.220E-16	-0.2031	-0.0105
148	1.944	MUERTA CUB	-2.220E-16	-0.169	-0.0105
148	2.43	MUERTA CUB	-2.220E-16	-0.1348	-0.0105
148	0	DEAD	-5.551E-17	-0.0442	1.588E-16
149	0.472	DEAD	-5.551E-17	-0.04	1.588E-16
149	0.944	DEAD	-5.551E-17	-0.0358	1.588E-16

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
149	1.416	DEAD	-5.551E-17	-0.0316	1.588E-16	
149	1.888	DEAD	-5.551E-17	-0.0274	1.588E-16	
149	2.36	DEAD	-5.551E-17	-0.0232	1.588E-16	
149	0.	VIVA CUB	-2.220E-16	-0.3162	3.772E-16	
149	0.472	VIVA CUB	-2.220E-16	-0.2525	3.772E-16	
149	0.944	VIVA CUB	-2.220E-16	-0.1888	3.772E-16	
149	1.416	VIVA CUB	-2.220E-16	-0.125	3.772E-16	
149	1.888	VIVA CUB	-2.220E-16	-0.0613	3.772E-16	
149	2.36	VIVA CUB	-2.220E-16	0.0024	3.772E-16	
149	0.	VCOMP	-2.220E-16	-0.253	3.070E-16	
149	0.472	VCOMP	-2.220E-16	-0.202	3.070E-16	
149	0.944	VCOMP	-2.220E-16	-0.151	3.070E-16	
149	1.416	VCOMP	-2.220E-16	-0.1	3.070E-16	
149	1.888	VCOMP	-2.220E-16	-0.0491	3.070E-16	
149	2.36	VCOMP	-2.220E-16	0.0019	3.070E-16	
149	0.	VSUCC	2.220E-16	0.253	-3.070E-16	
149	0.472	VSUCC	2.220E-16	0.202	-3.070E-16	
149	0.944	VSUCC	2.220E-16	0.151	-3.070E-16	
149	1.416	VSUCC	2.220E-16	0.1	-3.070E-16	
149	1.888	VSUCC	2.220E-16	0.0491	-3.070E-16	
149	2.36	VSUCC	2.220E-16	-0.0019	-3.070E-16	
149	0.	MUERTA CUB	0.	-0.2959	8.119E-16	
149	0.472	MUERTA CUB	0.	-0.2628	8.119E-16	
149	0.944	MUERTA CUB	0.	-0.2296	8.119E-16	
149	1.416	MUERTA CUB	0.	-0.1965	8.119E-16	
149	1.888	MUERTA CUB	0.	-0.1634	8.119E-16	
149	2.36	MUERTA CUB	0.	-0.1302	8.119E-16	
150	0.	DEAD	0.0784	-0.0337	-4.039E-18	
150	0.486	DEAD	0.0784	-0.0293	-4.039E-18	
150	0.972	DEAD	0.0784	-0.025	-4.039E-18	
150	1.458	DEAD	0.0784	-0.0207	-4.039E-18	
150	1.944	DEAD	0.0784	-0.0163	-4.039E-18	
150	2.43	DEAD	0.0784	-0.012	-4.039E-18	
150	0.	VIVA CUB	0.3251	-0.2568	-1.150E-17	
150	0.486	VIVA CUB	0.3251	-0.1912	-1.150E-17	
150	0.972	VIVA CUB	0.3251	-0.1256	-1.150E-17	
150	1.458	VIVA CUB	0.3251	-0.06	-1.150E-17	
150	1.944	VIVA CUB	0.3251	0.0056	-1.150E-17	
150	2.43	VIVA CUB	0.3251	0.0713	-1.150E-17	
150	0.	VCOMP	0.26	-0.2054	-9.453E-18	
150	0.486	VCOMP	0.26	-0.1529	-9.453E-18	
150	0.972	VCOMP	0.26	-0.1095	-9.453E-18	
150	1.458	VCOMP	0.26	-0.048	-9.453E-18	
150	1.944	VCOMP	0.26	0.0045	-9.453E-18	
150	2.43	VCOMP	0.26	0.057	-9.453E-18	
150	0.	VSUCC	-0.26	0.2054	9.453E-18	
150	0.486	VSUCC	-0.26	0.1529	9.453E-18	
150	0.972	VSUCC	-0.26	0.1005	9.453E-18	
150	1.458	VSUCC	-0.26	0.048	9.453E-18	
150	1.944	VSUCC	-0.26	0.0045	9.453E-18	
150	2.43	VSUCC	-0.26	-0.057	9.453E-18	
150	0.	MUERTA CUB	0.4868	-0.227	-2.034E-17	
150	0.486	MUERTA CUB	0.4868	-0.1929	-2.034E-17	
150	0.972	MUERTA CUB	0.4868	-0.1588	-2.034E-17	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
150	1.458	MUERTA CUB	0.4868	-0.1247	-2.034E-17	
150	1.944	MUERTA CUB	0.4868	-0.0906	-2.034E-17	
150	2.43	MUERTA CUB	0.4868	-0.0564	-2.034E-17	
151	0.	DEAD	0.0652	-0.0109	-1.246E-18	
151	0.486	DEAD	0.0652	-0.0066	-1.246E-18	
151	0.972	DEAD	0.0652	-0.0022	-1.246E-18	
151	1.458	DEAD	0.0652	0.0021	-1.246E-18	
151	1.944	DEAD	0.0652	0.0064	-1.246E-18	
151	2.43	DEAD	0.0652	0.0108	-1.246E-18	
151	0.	VIVA CUB	0.2741	-0.1643	-6.486E-18	
151	0.486	VIVA CUB	0.2741	-0.0987	-6.486E-18	
151	0.972	VIVA CUB	0.2741	-0.0331	-6.486E-18	
151	1.458	VIVA CUB	0.2741	0.0325	-6.486E-18	
151	1.944	VIVA CUB	0.2741	0.0981	-6.486E-18	
151	2.43	VIVA CUB	0.2741	0.1638	-6.486E-18	
151	0.	VCOMP	0.2193	-0.1314	-5.783E-18	
151	0.486	VCOMP	0.2193	-0.0789	-5.783E-18	
151	0.972	VCOMP	0.2193	-0.0265	-5.783E-18	
151	1.458	VCOMP	0.2193	0.026	-5.783E-18	
151	1.944	VCOMP	0.2193	0.0785	-5.783E-18	
151	2.43	VCOMP	0.2193	0.131	-5.783E-18	
151	0.	VSUCC	-0.2193	0.1314	5.783E-18	
151	0.486	VSUCC	-0.2193	0.0789	5.783E-18	
151	0.972	VSUCC	-0.2193	0.0265	5.783E-18	
151	1.458	VSUCC	-0.2193	-0.026	5.783E-18	
151	1.944	VSUCC	-0.2193	-0.0785	5.783E-18	
151	2.43	VSUCC	-0.2193	-0.131	5.783E-18	
151	0.	MUERTA CUB	0.4054	-0.0858	-1.019E-17	
151	0.486	MUERTA CUB	0.4054	-0.0517	-1.019E-17	
151	0.972	MUERTA CUB	0.4054	-0.0176	-1.019E-17	
151	1.458	MUERTA CUB	0.4054	0.0166	-1.019E-17	
151	1.944	MUERTA CUB	0.4054	0.0507	-1.019E-17	
151	2.43	MUERTA CUB	0.4054	0.0848	-1.019E-17	
152	0.	DEAD	0.0784	0.0134	-1.561E-17	
152	0.486	DEAD	0.0784	0.0177	-1.561E-17	
152	0.972	DEAD	0.0784	0.022	-1.561E-17	
152	1.458	DEAD	0.0784	0.0264	-1.561E-17	
152	1.944	DEAD	0.0784	0.0307	-1.561E-17	
152	2.43	DEAD	0.0784	0.035	-1.561E-17	
152	0.	VIVA CUB	0.3311	-0.0616	-6.589E-17	
152	0.486	VIVA CUB	0.3311	0.004	-6.589E-17	
152	0.972	VIVA CUB	0.3311	0.0097	-6.589E-17	
152	1.458	VIVA CUB	0.3311	0.1353	-6.589E-17	
152	1.944	VIVA CUB	0.3311	0.2009	-6.589E-17	
152	2.43	VIVA CUB	0.3311	0.2665	-6.589E-17	
152	0.	VCOMP	0.2649	-0.0493	-5.438E-17	
152	0.486	VCOMP	0.2649	0.0032	-5.438E-17	
152	0.972	VCOMP	0.2649	0.0557	-5.438E-17	
152	1.458	VCOMP	0.2649	0.1082	-5.438E-17	
152	1.944	VCOMP	0.2649	0.1607	-5.438E-17	
152	2.43	VCOMP	0.2649	0.2132	-5.438E-17	
152	0.	VSUCC	-0.2649	0.0493	5.438E-17	
152	0.486	VSUCC	-0.2649	-0.0032	5.438E-17	
152	0.972	VSUCC	-0.2649	-0.0557	5.438E-17	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
152	1.458	VSUCC	-0.2649	-0.1082	5.438E-17	
152	1.944	VSUCC	-0.2649	-0.1607	5.438E-17	
152	2.43	VSUCC	-0.2649	-0.2132	5.438E-17	
152	0.	MUERTA CUB	0.4877	0.0056	-9.772E-17	
152	0.486	MUERTA CUB	0.4877	0.0997	-9.772E-17	
152	0.972	MUERTA CUB	0.4877	0.1339	-9.772E-17	
152	1.458	MUERTA CUB	0.4877	0.168	-9.772E-17	
152	1.944	MUERTA CUB	0.4877	0.2021	-9.772E-17	
152	2.43	MUERTA CUB	0.4877	0.2362	-9.772E-17	
153	0.	DEAD	0.	-0.0449	6.706E-16	
153	0.486	DEAD	0.	-0.0405	6.706E-16	
153	0.972	DEAD	0.	-0.0362	6.706E-16	
153	1.458	DEAD	0.	-0.0319	6.706E-16	
153	1.944	DEAD	0.	-0.0275	6.706E-16	
153	2.43	DEAD	0.	-0.0232	6.706E-16	
153	0.	VIVA CUB	0.	-0.3257	2.711E-15	
153	0.486	VIVA CUB	0.	-0.2601	2.711E-15	
153	0.972	VIVA CUB	0.	-0.1945	2.711E-15	
153	1.458	VIVA CUB	0.	-0.1289	2.711E-15	
153	1.944	VIVA CUB	0.	-0.0633	2.711E-15	
153	2.43	VIVA CUB	0.	0.0023	2.711E-15	
153	0.	VCOMP	0.	-0.2606	2.216E-15	
153	0.486	VCOMP	0.	-0.2081	2.216E-15	
153	0.972	VCOMP	0.	-0.1556	2.216E-15	
153	1.458	VCOMP	0.	-0.1031	2.216E-15	
153	1.944	VCOMP	0.	-0.0506	2.216E-15	
153	2.43	VCOMP	0.	0.0019	2.216E-15	
153	0.	VSUCC	0.	0.2606	-2.216E-15	
153	0.486	VSUCC	0.	0.2081	-2.216E-15	
153	0.972	VSUCC	0.	0.1556	-2.216E-15	
153	1.458	VSUCC	0.	0.1031	-2.216E-15	
153	1.944	VSUCC	0.	0.0506	-2.216E-15	
153	2.43	VSUCC	0.	-0.0019	-2.216E-15	
153	0.	MUERTA CUB	4.441E-16	-0.301	3.997E-15	
153	0.486	MUERTA CUB	4.441E-16	-0.2668	3.997E-15	
153	0.972	MUERTA CUB	4.441E-16	-0.2327	3.997E-15	
153	1.458	MUERTA CUB	4.441E-16	-0.1986	3.997E-15	
153	1.944	MUERTA CUB	4.441E-16	-0.1645	3.997E-15	
153	2.43	MUERTA CUB	4.441E-16	-0.1304	3.997E-15	
154	0.	DEAD	0.	-0.0328	1.289E-04	
154	0.472	DEAD	0.	-0.0286	1.289E-04	
154	0.944	DEAD	0.	-0.0244	1.289E-04	
154	1.416	DEAD	0.	-0.0202	1.289E-04	
154	1.888	DEAD	0.	-0.016	1.289E-04	
154	2.36	DEAD	0.	-0.0118	1.289E-04	
154	0.	VIVA CUB	0.	-0.3186	-3.275E-04	
154	0.472	VIVA CUB	0.	-0.2549	-3.275E-04	
154	0.944	VIVA CUB	0.	-0.1912	-3.275E-04	
154	1.416	VIVA CUB	0.	-0.1274	-3.275E-04	
154	1.888	VIVA CUB	0.	-0.0637	-3.275E-04	
154	2.36	VIVA CUB	0.	1.130E-16	-3.275E-04	
154	0.	VCOMP	0.	-0.2549	-2.620E-04	
154	0.472	VCOMP	0.	-0.2039	-2.620E-04	
154	0.944	VCOMP	0.	-0.1529	-2.620E-04	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
154	1.416	VCOMP	0.	-0.102	-2.620E-04	
154	1.888	VCOMP	0.	-0.051	-2.620E-04	
154	2.36	VCOMP	0.	-1.762E-17	-2.620E-04	
154	0.	VSUCC	0.	0.2549	2.620E-04	
154	0.472	VSUCC	0.	0.2039	2.620E-04	
154	0.944	VSUCC	0.	0.1529	2.620E-04	
154	1.416	VSUCC	0.	0.102	2.620E-04	
154	1.888	VSUCC	0.	0.051	2.620E-04	
154	2.36	VSUCC	0.	1.762E-17	2.620E-04	
154	0.	MUERTA CUB	0.	-0.1839	-3.386E-04	
154	0.472	MUERTA CUB	0.	-0.1603	-3.386E-04	
154	0.944	MUERTA CUB	0.	-0.1367	-3.386E-04	
154	1.416	MUERTA CUB	0.	-0.1131	-3.386E-04	
154	1.888	MUERTA CUB	0.	-0.0895	-3.386E-04	
154	2.36	MUERTA CUB	0.	-0.0659	-3.386E-04	
155	0.	DEAD	0.0975	-0.0176	-2.257E-04	
155	0.486	DEAD	0.0975	-0.0133	-2.257E-04	
155	0.972	DEAD	0.0975	-0.0089	-2.257E-04	
155	1.458	DEAD	0.0975	-0.0047	-2.257E-04	
155	1.944	DEAD	0.0975	-2.559E-04	-2.257E-04	
155	2.43	DEAD	0.0975	0.0041	-2.257E-04	
155	0.	VIVA CUB	0.5634	-0.2037	-5.977E-04	
155	0.486	VIVA CUB	0.5634	-0.1381	-5.977E-04	
155	0.972	VIVA CUB	0.5634	-0.0725	-5.977E-04	
155	1.458	VIVA CUB	0.5634	-0.0069	-5.977E-04	
155	1.944	VIVA CUB	0.5634	0.0587	-5.977E-04	
155	2.43	VIVA CUB	0.5634	0.1243	-5.977E-04	
155	0.	VCOMP	0.4507	-0.163	-7.498E-04	
155	0.486	VCOMP	0.4507	-0.1105	-7.498E-04	
155	0.972	VCOMP	0.4507	-0.058	-7.498E-04	
155	1.458	VCOMP	0.4507	-0.0055	-7.498E-04	
155	1.944	VCOMP	0.4507	0.047	-7.498E-04	
155	2.43	VCOMP	0.4507	0.0995	-7.498E-04	
155	0.	VSUCC	-0.4507	0.163	7.498E-04	
155	0.486	VSUCC	-0.4507	0.1105	7.498E-04	
155	0.972	VSUCC	-0.4507	0.058	7.498E-04	
155	1.458	VSUCC	-0.4507	0.0055	7.498E-04	
155	1.944	VSUCC	-0.4507	-0.047	7.498E-04	
155	2.43	VSUCC	-0.4507	-0.0995	7.498E-04	
155	0.	MUERTA CUB	0.5629	-0.0992	-7.906E-04	
155	0.486	MUERTA CUB	0.5629	-0.0749	-7.906E-04	
155	0.972	MUERTA CUB	0.5629	-0.0506	-7.906E-04	
155	1.458	MUERTA CUB	0.5629	-0.0229	-7.906E-04	
155	1.944	MUERTA CUB	0.5629	-0.002	-7.906E-04	
155	2.43	MUERTA CUB	0.5629	0.0223	-7.906E-04	
156	0.	DEAD	0.0865	-0.0104	4.890E-05	
156	0.486	DEAD	0.0865	-0.006	4.890E-05	
156	0.972	DEAD	0.0865	-0.0017	4.890E-05	
156	1.458	DEAD	0.0865	0.0026	4.890E-05	
156	1.944	DEAD	0.0865	0.007	4.890E-05	
156	2.43	DEAD	0.0865	0.0113	4.890E-05	
156	0.	VIVA CUB	0.5055	-0.161	1.823E-04	
156	0.486	VIVA CUB	0.5055	-0.0954	1.823E-04	
156	0.972	VIVA CUB	0.5055	-0.0298	1.823E-04	

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
156	1.458	VIVA CUB	0.5055	0.0358	1.823E-04
156	1.944	VIVA CUB	0.5055	0.1614	1.823E-04
156	2.43	VIVA CUB	0.5055	0.167	1.823E-04
156	0.	VCOMP	0.4044	-0.1288	1.459E-04
156	0.486	VCOMP	0.4044	-0.0763	1.459E-04
156	0.972	VCOMP	0.4044	-0.0238	1.459E-04
156	1.458	VCOMP	0.4044	0.0286	1.459E-04
156	1.944	VCOMP	0.4044	0.0811	1.459E-04
156	2.43	VCOMP	0.4044	0.1336	1.459E-04
156	0.	VSUCC	-0.4044	0.1288	-1.459E-04
156	0.486	VSUCC	-0.4044	0.0763	-1.459E-04
156	0.972	VSUCC	-0.4044	0.0238	-1.459E-04
156	1.458	VSUCC	-0.4044	-0.0286	-1.459E-04
156	1.944	VSUCC	-0.4044	-0.0811	-1.459E-04
156	2.43	VSUCC	-0.4044	-0.1336	-1.459E-04
156	0.	MUERTA CUB	0.4992	-0.0579	3.028E-04
156	0.486	MUERTA CUB	0.4992	-0.0336	3.028E-04
156	0.972	MUERTA CUB	0.4992	-0.0093	3.028E-04
156	1.458	MUERTA CUB	0.4992	0.015	3.028E-04
156	1.944	MUERTA CUB	0.4992	0.0393	3.028E-04
156	2.43	MUERTA CUB	0.4992	0.0636	3.028E-04
157	0.	DEAD	0.1032	-0.0027	3.623E-04
157	0.486	DEAD	0.1032	0.0016	3.623E-04
157	0.972	DEAD	0.1032	0.006	3.623E-04
157	1.458	DEAD	0.1032	0.0103	3.623E-04
157	1.944	DEAD	0.1032	0.0146	3.623E-04
157	2.43	DEAD	0.1032	0.019	3.623E-04
157	0.	VIVA CUB	0.6021	-0.1143	0.0012
157	0.486	VIVA CUB	0.6021	-0.0487	0.0012
157	0.972	VIVA CUB	0.6021	0.0169	0.0012
157	1.458	VIVA CUB	0.6021	0.0825	0.0012
157	1.944	VIVA CUB	0.6021	0.1481	0.0012
157	2.43	VIVA CUB	0.6021	0.2137	0.0012
157	0.	VCOMP	0.4816	-0.0914	9.962E-04
157	0.486	VCOMP	0.4816	-0.039	9.962E-04
157	0.972	VCOMP	0.4816	0.0135	9.962E-04
157	1.458	VCOMP	0.4816	0.066	9.962E-04
157	1.944	VCOMP	0.4816	0.1185	9.962E-04
157	2.43	VCOMP	0.4816	0.171	9.962E-04
157	0.	VSUCC	-0.4816	0.0914	-9.962E-04
157	0.486	VSUCC	-0.4816	0.039	-9.962E-04
157	0.972	VSUCC	-0.4816	0.0135	-9.962E-04
157	1.458	VSUCC	-0.4816	-0.066	-9.962E-04
157	1.944	VSUCC	-0.4816	-0.1185	-9.962E-04
157	2.43	VSUCC	-0.4816	-0.171	-9.962E-04
157	0.	MUERTA CUB	0.5968	-0.0142	0.0017
157	0.486	MUERTA CUB	0.5968	0.0101	0.0017
157	0.972	MUERTA CUB	0.5968	0.0344	0.0017
157	1.458	MUERTA CUB	0.5968	0.0587	0.0017
157	1.944	MUERTA CUB	0.5968	0.083	0.0017
157	2.43	MUERTA CUB	0.5968	0.1073	0.0017
158	0.	DEAD	2.776E-17	-0.0334	-9.829E-05
158	0.486	DEAD	2.776E-17	-0.0291	-9.829E-05
158	0.972	DEAD	2.776E-17	-0.0248	-9.829E-05

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
158	1.458	DEAD	2.776E-17	-0.0204	-9.829E-05
158	1.944	DEAD	2.776E-17	-0.0161	-9.829E-05
158	2.43	DEAD	2.776E-17	-0.0119	-9.829E-05
158	0.	VIVA CUB	0.	-0.3281	4.202E-04
158	0.486	VIVA CUB	0.	-0.2624	4.202E-04
158	0.972	VIVA CUB	0.	-0.1968	4.202E-04
158	1.458	VIVA CUB	0.	-0.1312	4.202E-04
158	1.944	VIVA CUB	0.	-0.0656	4.202E-04
158	2.43	VIVA CUB	0.	5.872E-17	4.202E-04
158	0.	VCOMP	0.	-0.2624	3.361E-04
158	0.486	VCOMP	0.	-0.21	3.361E-04
158	0.972	VCOMP	0.	-0.1575	3.361E-04
158	1.458	VCOMP	0.	-0.105	3.361E-04
158	1.944	VCOMP	0.	-0.0525	3.361E-04
158	2.43	VCOMP	0.	4.293E-17	3.361E-04
158	0.	VSUCC	0.	0.2624	-3.361E-04
158	0.486	VSUCC	0.	0.21	-3.361E-04
158	0.972	VSUCC	0.	0.1575	-3.361E-04
158	1.458	VSUCC	0.	0.105	-3.361E-04
158	1.944	VSUCC	0.	0.0525	-3.361E-04
158	2.43	VSUCC	0.	-4.293E-17	-3.361E-04
158	0.	MUERTA CUB	-2.220E-16	-0.1874	4.338E-04
158	0.486	MUERTA CUB	-2.220E-16	-0.1631	4.338E-04
158	0.972	MUERTA CUB	-2.220E-16	-0.1388	4.338E-04
158	1.458	MUERTA CUB	-2.220E-16	-0.1145	4.338E-04
158	1.944	MUERTA CUB	-2.220E-16	-0.0902	4.338E-04
158	2.43	MUERTA CUB	-2.220E-16	-0.0659	4.338E-04
159	0.	DEAD	-0.0547	0.0975	3.546E-04
159	0.2424	DEAD	-0.0526	0.0975	3.546E-04
159	0.4848	DEAD	-0.0504	0.0975	3.546E-04
159	0.	VIVA CUB	-0.5223	0.5634	2.722E-04
159	0.2424	VIVA CUB	-0.5223	0.5634	2.722E-04
159	0.4848	VIVA CUB	-0.5223	0.5634	2.722E-04
159	0.	VCOMP	-0.4179	0.4507	2.178E-04
159	0.2424	VCOMP	-0.4179	0.4507	2.178E-04
159	0.4848	VCOMP	-0.4179	0.4507	2.178E-04
159	0.	VSUCC	0.4179	-0.4507	-2.178E-04
159	0.2424	VSUCC	0.4179	-0.4507	-2.178E-04
159	0.4848	VSUCC	0.4179	-0.4507	-2.178E-04
159	0.	MUERTA CUB	-0.3074	0.5629	4.519E-04
159	0.2424	MUERTA CUB	-0.2953	0.5629	4.519E-04
159	0.4848	MUERTA CUB	-0.2831	0.5629	4.519E-04
160	0.	DEAD	-0.0188	-0.011	-2.746E-04
160	0.2424	DEAD	-0.0166	-0.011	-2.746E-04
160	0.4848	DEAD	-0.0144	-0.011	-2.746E-04
160	0.	VIVA CUB	-0.2853	-0.0579	-7.820E-04
160	0.2424	VIVA CUB	-0.2853	-0.0579	-7.820E-04
160	0.4848	VIVA CUB	-0.2853	-0.0579	-7.820E-04
160	0.	VCOMP	-0.2283	-0.0463	-6.256E-04
160	0.2424	VCOMP	-0.2283	-0.0463	-6.256E-04
160	0.4848	VCOMP	-0.2283	-0.0463	-6.256E-04
160	0.	VSUCC	0.2283	0.0463	6.256E-04
160	0.2424	VSUCC	0.2283	0.0463	6.256E-04
160	0.4848	VSUCC	0.2283	0.0463	6.256E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
160	0.	MUERTA CUB	-0.1044	-0.0637	-0.0011
160	0.2424	MUERTA CUB	-0.0923	-0.0637	-0.0011
160	0.4848	MUERTA CUB	-0.0802	-0.0637	-0.0011
161	0.	DEAD	-0.0183	0.0167	-3.134E-04
161	0.2424	DEAD	-0.0162	0.0167	-3.134E-04
161	0.4848	DEAD	-0.014	0.0167	-3.134E-04
161	0.	VIVA CUB	-0.2813	0.0965	-0.0011
161	0.2424	VIVA CUB	-0.2813	0.0965	-0.0011
161	0.4848	VIVA CUB	-0.2813	0.0965	-0.0011
161	0.	VCOMP	-0.2251	0.0772	-8.504E-04
161	0.2424	VCOMP	-0.2251	0.0772	-8.504E-04
161	0.4848	VCOMP	-0.2251	0.0772	-8.504E-04
161	0.	VSUCC	0.2251	-0.0772	8.504E-04
161	0.2424	VSUCC	0.2251	-0.0772	8.504E-04
161	0.4848	VSUCC	0.2251	-0.0772	8.504E-04
161	0.	MUERTA CUB	-0.1021	0.0977	-0.0014
161	0.2424	MUERTA CUB	-0.0899	0.0977	-0.0014
161	0.4848	MUERTA CUB	-0.0778	0.0977	-0.0014
162	0.	DEAD	-0.0567	-0.1032	4.606E-04
162	0.2424	DEAD	-0.0545	-0.1032	4.606E-04
162	0.4848	DEAD	-0.0524	-0.1032	4.606E-04
162	0.	VIVA CUB	-0.5418	-0.6021	8.251E-04
162	0.2424	VIVA CUB	-0.5418	-0.6021	8.251E-04
162	0.4848	VIVA CUB	-0.5418	-0.6021	8.251E-04
162	0.	VCOMP	-0.4334	-0.4816	6.601E-04
162	0.2424	VCOMP	-0.4334	-0.4816	6.601E-04
162	0.4848	VCOMP	-0.4334	-0.4816	6.601E-04
162	0.	VSUCC	0.4334	0.4816	-6.601E-04
162	0.2424	VSUCC	0.4334	0.4816	-6.601E-04
162	0.4848	VSUCC	0.4334	0.4816	-6.601E-04
162	0.	MUERTA CUB	-0.319	-0.5968	0.0013
162	0.2424	MUERTA CUB	-0.3068	-0.5968	0.0013
162	0.4848	MUERTA CUB	-0.2947	-0.5968	0.0013
163	0.	DEAD	-5.551E-17	-0.0328	-1.289E-04
163	0.472	DEAD	-5.551E-17	-0.0286	-1.289E-04
163	0.944	DEAD	-5.551E-17	-0.0244	-1.289E-04
163	1.416	DEAD	-5.551E-17	-0.0202	-1.289E-04
163	1.888	DEAD	-5.551E-17	-0.016	-1.289E-04
163	2.36	DEAD	-5.551E-17	-0.0118	-1.289E-04
163	0.	VIVA CUB	-1.110E-16	-0.3186	3.275E-04
163	0.472	VIVA CUB	-1.110E-16	-0.2549	3.275E-04
163	0.944	VIVA CUB	-1.110E-16	-0.1912	3.275E-04
163	1.416	VIVA CUB	-1.110E-16	-0.1274	3.275E-04
163	1.888	VIVA CUB	-1.110E-16	-0.0637	3.275E-04
163	2.36	VIVA CUB	-1.110E-16	1.130E-16	3.275E-04
163	0.	VCOMP	-2.220E-16	-0.2549	2.620E-04
163	0.472	VCOMP	-2.220E-16	-0.2039	2.620E-04
163	0.944	VCOMP	-2.220E-16	-0.1529	2.620E-04
163	1.416	VCOMP	-2.220E-16	-0.102	2.620E-04
163	1.888	VCOMP	-2.220E-16	-0.051	2.620E-04
163	2.36	VCOMP	-2.220E-16	-7.313E-17	2.620E-04
163	0.	VSUCC	2.220E-16	0.2549	-2.620E-04
163	0.472	VSUCC	2.220E-16	0.2039	-2.620E-04
163	0.944	VSUCC	2.220E-16	0.1529	-2.620E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
163	1.416	VSUCC	2.220E-16	0.102	-2.620E-04
163	1.888	VSUCC	2.220E-16	0.051	-2.620E-04
163	2.36	VSUCC	2.220E-16	7.313E-17	-2.620E-04
163	0.	MUERTA CUB	-2.776E-16	-0.1839	3.386E-04
163	0.472	MUERTA CUB	-2.776E-16	-0.1603	3.386E-04
163	0.944	MUERTA CUB	-2.776E-16	-0.1367	3.386E-04
163	1.416	MUERTA CUB	-2.776E-16	-0.1131	3.386E-04
163	1.888	MUERTA CUB	-2.776E-16	-0.0895	3.386E-04
163	2.36	MUERTA CUB	-2.776E-16	-0.0659	3.386E-04
164	0.	DEAD	0.0975	-0.0176	2.257E-04
164	0.486	DEAD	0.0975	-0.0133	2.257E-04
164	0.972	DEAD	0.0975	-0.0089	2.257E-04
164	1.458	DEAD	0.0975	-0.0046	2.257E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
165	1.458	VCOMP	0.4044	0.0286	-1.459E-04
165	1.944	VCOMP	0.4044	0.0811	-1.459E-04
165	2.43	VCOMP	0.4044	0.1336	-1.459E-04
165	0.	VSUCC	-0.4044	0.1288	1.459E-04
165	0.486	VSUCC	-0.4044	0.0763	1.459E-04
165	0.972	VSUCC	-0.4044	0.0238	1.459E-04
165	1.458	VSUCC	-0.4044	-0.0286	1.459E-04
165	1.944	VSUCC	-0.4044	-0.0811	1.459E-04
165	2.43	VSUCC	-0.4044	-0.1336	1.459E-04
165	0.	MUERTA CUB	0.4992	-0.0579	-3.028E-04
165	0.486	MUERTA CUB	0.4992	-0.0336	-3.028E-04
165	0.972	MUERTA CUB	0.4992	-0.0093	-3.028E-04
165	1.458	MUERTA CUB	0.4992	0.015	-3.028E-04
165	1.944	MUERTA CUB	0.4992	0.0393	-3.028E-04
165	2.43	MUERTA CUB	0.4992	0.0636	-3.028E-04
166	0.	DEAD	0.1032	-0.0027	-3.623E-04
166	0.486	DEAD	0.1032	0.0016	-3.623E-04
166	0.972	DEAD	0.1032	0.006	-3.623E-04
166	1.458	DEAD	0.1032	0.0103	-3.623E-04
166	1.944	DEAD	0.1032	0.0146	-3.623E-04
166	2.43	DEAD	0.1032	0.019	-3.623E-04
166	0.	VIVA CUB	0.6021	-0.1143	-0.0012
166	0.486	VIVA CUB	0.6021	-0.0487	-0.0012
166	0.972	VIVA CUB	0.6021	0.0169	-0.0012
166	1.458	VIVA CUB	0.6021	0.0825	-0.0012
166	1.944	VIVA CUB	0.6021	0.1461	-0.0012
166	2.43	VIVA CUB	0.6021	0.2137	-0.0012
166	0.	VCOMP	0.4816	-0.0914	-9.962E-04
166	0.486	VCOMP	0.4816	-0.039	-9.962E-04
166	0.972	VCOMP	0.4816	0.0135	-9.962E-04
166	1.458	VCOMP	0.4816	0.066	-9.962E-04
166	1.944	VCOMP	0.4816	0.1185	-9.962E-04
166	2.43	VCOMP	0.4816	0.171	-9.962E-04
166	0.	VSUCC	-0.4816	0.0914	9.962E-04
166	0.486	VSUCC	-0.4816	0.039	9.962E-04
166	0.972	VSUCC	-0.4816	-0.0135	9.962E-04
166	1.458	VSUCC	-0.4816	-0.066	9.962E-04
166	1.944	VSUCC	-0.4816	-0.1185	9.962E-04
166	2.43	VSUCC	-0.4816	-0.171	9.962E-04
166	0.	MUERTA CUB	0.5968	-0.0142	-0.0017
166	0.486	MUERTA CUB	0.5968	0.0101	-0.0017
166	0.972	MUERTA CUB	0.5968	0.0344	-0.0017
166	1.458	MUERTA CUB	0.5968	0.0587	-0.0017
166	1.944	MUERTA CUB	0.5968	0.083	-0.0017
166	2.43	MUERTA CUB	0.5968	0.1073	-0.0017
167	0.	DEAD	0.	-0.0334	9.829E-05
167	0.486	DEAD	0.	-0.0291	9.829E-05
167	0.972	DEAD	0.	-0.0248	9.829E-05
167	1.458	DEAD	0.	-0.0204	9.829E-05
167	1.944	DEAD	0.	-0.0161	9.829E-05
167	2.43	DEAD	0.	-0.0118	9.829E-05
167	0.	VIVA CUB	0.	-0.3281	-4.202E-04
167	0.486	VIVA CUB	0.	-0.2624	-4.202E-04
167	0.972	VIVA CUB	0.	-0.1968	-4.202E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
167	1.458	VIVA CUB	0.	-0.1312	-4.202E-04
167	1.944	VIVA CUB	0.	0.0656	-4.202E-04
167	2.43	VIVA CUB	0.	5.872E-17	-4.202E-04
167	0.	VCOMP	0.	-0.2624	-3.361E-04
167	0.486	VCOMP	0.	-0.21	-3.361E-04
167	0.972	VCOMP	0.	-0.1575	-3.361E-04
167	1.458	VCOMP	0.	-0.105	-3.361E-04
167	1.944	VCOMP	0.	-0.0525	-3.361E-04
167	2.43	VCOMP	0.	4.293E-17	-3.361E-04
167	0.	MUERTA CUB	0.	-0.1388	-3.361E-04
167	0.486	MUERTA CUB	0.	0.21	3.361E-04
167	0.972	VSUCC	0.	0.1575	3.361E-04
167	1.458	VSUCC	0.	0.105	3.361E-04
167	1.944	VSUCC	0.	0.0525	3.361E-04
167	2.43	VSUCC	0.	-4.293E-17	3.361E-04
167	0.	MUERTA CUB	0.	-0.1874	-4.338E-04
167	0.486	MUERTA CUB	0.	-0.1631	-4.338E-04
167	0.972	MUERTA CUB	0.	-0.1388	-4.338E-04
167	1.458	MUERTA CUB	0.	-0.1145	-4.338E-04
167	1.944	MUERTA CUB	0.	-0.0902	-4.338E-04
167	2.43	MUERTA CUB	0.	-0.0659	-4.338E-04
168	0.	DEAD	-0.0547	0.0975	-3.546E-04
168	0.2424	DEAD	-0.0526	0.0975	-3.546E-04
168	0.4848	DEAD	-0.0504	0.0975	-3.546E-04
168	0.	VIVA CUB	-0.5223	0.5634	-2.722E-04
168	0.2424	VIVA CUB	-0.5223	0.5634	-2.722E-04
168	0.4848	VIVA CUB	-0.5223	0.5634	-2.722E-04
168	0.	VCOMP	-0.4179	0.4507	-2.178E-04
168	0.2424	VCOMP	-0.4179	0.4507	-2.178E-04
168	0.4848	VCOMP	-0.4179	0.4507	-2.178E-04
168	0.	VSUCC	0.4179	-0.4507	2.178E-04
168	0.2424	VSUCC	0.4179	-0.4507	2.178E-04
168	0.4848	VSUCC	0.4179	-0.4507	2.178E-04
168	0.	MUERTA CUB	-0.3074	0.5629	-4.519E-04
168	0.2424	MUERTA CUB	-0.2953	0.5629	-4.519E-04
168	0.4848	MUERTA CUB	-0.2831	0.5629	-4.519E-04
169	0.	DEAD	-0.0188	-0.011	2.746E-04
169	0.2424	DEAD	-0.0166	-0.011	2.746E-04
169	0.4848	DEAD	-0.0144	-0.011	2.746E-04
169	0.	VIVA CUB	-0.2853	-0.0579	7.820E-04
169	0.2424	VIVA CUB	-0.2853	-0.0579	7.820E-04
169	0.4848	VIVA CUB	-0.2853	-0.0579	7.820E-04
169	0.	VCOMP	-0.2283	-0.0463	6.256E-04
169	0.2424	VCOMP	-0.2283	-0.0463	6.256E-04
169	0.4848	VCOMP	-0.2283	-0.0463	6.256E-04
169	0.	VSUCC	0.2283	0.0463	-6.256E-04
169	0.2424	VSUCC	0.2283	0.0463	-6.256E-04
169	0.4848	VSUCC	0.2283	0.0463	-6.256E-04
169	0.	MUERTA CUB	-0.1044	-0.0637	0.0011
169	0.2424	MUERTA CUB	-0.0923	-0.0637	0.0011
169	0.4848	MUERTA CUB	-0.0802	-0.0637	0.0011
170	0.	DEAD	-0.0183	0.0167	3.134E-04
170	0.2424	DEAD	-0.0162	0.0167	3.134E-04
170	0.4848	DEAD	-0.014	0.0167	3.134E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
170	0.	VIVA CUB	-0.2813	0.0965	0.0011
170	0.2424	VIVA CUB	-0.2813	0.0965	0.0011
170	0.4848	VIVA CUB	-0.2813	0.0965	0.0011
170	0.	VCOMP	-0.2251	0.0772	8.504E-04
170	0.2424	VCOMP	-0.2251	0.0772	8.504E-04
170	0.4848	VCOMP	-0.2251	0.0772	8.504E-04
170	0.	VSUCC	0.2251	-0.0772	-8.504E-04
170	0.2424	VSUCC	0.2251	-0.0772	-8.504E-04
170	0.4848	VSUCC	0.2251	-0.0772	-8.504E-04
170	0.	MUERTA CUB	-0.1021	0.0977	0.0014
170	0.2424	MUERTA CUB	-0.0899	0.0977	0.0014
170	0.4848	MUERTA CUB	-0.0778	0.0977	0.0014
171	0.	DEAD	-0.0567	-0.1032	-4.606E-04
171	0.2424	DEAD	-0.0545	-0.1032	-4.606E-04
171	0.4848	DEAD	-0.0524	-0.1032	-4.606E-04
171	0.	VIVA CUB	-0.5418	-0.6021	-8.251E-04
171	0.2424	VIVA CUB	-0.5418	-0.6021	-8.251E-04
171	0.4848	VIVA CUB	-0.5418	-0.6021	-8.251E-04
171	0.	VCOMP	-0.4334	-0.4816	-6.601E-04
171	0.2424	VCOMP	-0.4334	-0.4816	-6.601E-04
171	0.4848	VCOMP	-0.4334	-0.4816	-6.601E-04
171	0.	VSUCC	0.4334	0.4816	6.601E-04
171	0.2424	VSUCC	0.4334	0.4816	6.601E-04
171	0.4848	VSUCC	0.4334	0.4816	6.601E-04
171	0.	MUERTA CUB	-0.319	-0.5968	-0.0013
171	0.2424	MUERTA CUB	-0.3068	-0.5968	-0.0013
171	0.4848	MUERTA CUB	-0.2947	-0.5968	-0.0013
172	0.	DEAD	-9.829E-05	-0.0118	0.
172	0.43958	DEAD	-9.829E-05	-0.0078	0.
172	0.87917	DEAD	-9.829E-05	-0.0039	0.
172	1.31875	DEAD	-9.829E-05	2.774E-18	0.
172	1.75833	DEAD	-9.829E-05	0.0039	0.
172	2.19792	DEAD	-9.829E-05	0.0078	0.
172	2.6375	DEAD	-9.829E-05	0.0118	0.
172	0.	VIVA CUB	4.202E-04	0.	0.
172	0.43958	VIVA CUB	4.202E-04	0.	0.
172	0.87917	VIVA CUB	4.202E-04	0.	0.
172	1.31875	VIVA CUB	4.202E-04	0.	0.
172	1.75833	VIVA CUB	4.202E-04	0.	0.
172	2.19792	VIVA CUB	4.202E-04	0.	0.
172	2.6375	VIVA CUB	4.202E-04	0.	0.
172	0.	VCOMP	3.361E-04	0.	0.
172	0.43958	VCOMP	3.361E-04	0.	0.
172	0.87917	VCOMP	3.361E-04	0.	0.
172	1.31875	VCOMP	3.361E-04	0.	0.
172	1.75833	VCOMP	3.361E-04	0.	0.
172	2.19792	VCOMP	3.361E-04	0.	0.
172	2.6375	VCOMP	3.361E-04	0.	0.
172	0.	VSUCC	-3.361E-04	0.	0.
172	0.43958	VSUCC	-3.361E-04	0.	0.
172	0.87917	VSUCC	-3.361E-04	0.	0.
172	1.31875	VSUCC	-3.361E-04	0.	0.
172	1.75833	VSUCC	-3.361E-04	0.	0.
172	2.19792	VSUCC	-3.361E-04	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
172	2.6375	VSUCC	-3.361E-04	0.	0.
172	0.	MUERTA CUB	4.338E-04	-0.0659	0.
172	0.43958	MUERTA CUB	4.338E-04	-0.044	0.
172	0.87917	MUERTA CUB	4.338E-04	-0.022	0.
172	1.31875	MUERTA CUB	4.338E-04	-1.555E-18	0.
172	1.75833	MUERTA CUB	4.338E-04	0.022	0.
172	2.19792	MUERTA CUB	4.338E-04	0.044	0.
172	2.6375	MUERTA CUB	4.338E-04	0.0659	0.
173	0.	DEAD	-0.0041	-0.0118	0.
173	1.34084	DEAD	-0.0019	5.398E-18	0.
173	2.68169	DEAD	2.352E-04	0.0118	0.
173	0.	VIVA CUB	-0.0064	0.	0.
173	1.34084	VIVA CUB	-0.0064	0.	0.
173	2.68169	VIVA CUB	-0.0064	0.	0.
173	0.	VCOMP	-0.0051	0.	0.
173	1.34084	VCOMP	-0.0051	0.	0.
173	2.68169	VCOMP	-0.0051	0.	0.
173	0.	VSUCC	0.0051	0.	0.
173	1.34084	VSUCC	0.0051	0.	0.
173	2.68169	VSUCC	0.0051	0.	0.
173	0.	MUERTA CUB	-0.0224	-0.0659	0.
173	1.34084	MUERTA CUB	-0.0103	1.778E-17	0.
173	2.68169	MUERTA CUB	0.0018	0.0659	0.
174	0.	DEAD	2.352E-04	-0.0118	0.
174	1.34084	DEAD	-0.0019	5.398E-18	0.
174	2.68169	DEAD	-0.0041	0.0118	0.
174	0.	VIVA CUB	-0.0064	0.	0.
174	1.34084	VIVA CUB	-0.0064	0.	0.
174	2.68169	VIVA CUB	-0.0064	0.	0.
174	0.	VCOMP	-0.0051	0.	0.
174	1.34084	VCOMP	-0.0051	0.	0.
174	2.68169	VCOMP	-0.0051	0.	0.
174	0.	VSUCC	0.0051	0.	0.
174	1.34084	VSUCC	0.0051	0.	0.
174	2.68169	VSUCC	0.0051	0.	0.
174	0.	MUERTA CUB	0.0018	-0.0659	0.
174	1.34084	MUERTA CUB	-0.0103	1.778E-17	0.
174	2.68169	MUERTA CUB	-0.0224	0.0659	0.
175	0.	DEAD	-9.829E-05	-0.0118	0.
175	0.43958	DEAD	-9.829E-05	-0.0078	0.
175	0.87917	DEAD	-9.829E-05	-0.0039	0.
175	1.31875	DEAD	-9.829E-05	-1.808E-18	0.
175	1.75833	DEAD	-9.829E-05	0.0039	0.
175	2.19792	DEAD	-9.829E-05	0.0078	0.
175	2.6375	DEAD	-9.829E-05	0.0118	0.
175	0.	VIVA CUB	4.202E-04	0.	0.
175	0.43958	VIVA CUB	4.202E-04	0.	0.
175	0.87917	VIVA CUB	4.202E-04	0.	0.
175	1.31875	VIVA CUB	4.202E-04	0.	0.
175	1.75833	VIVA CUB	4.202E-04	0.	0.
175	2.19792	VIVA CUB	4.202E-04	0.	0.
175	2.6375	VIVA CUB	4.202E-04	0.	0.
175	0.	VCOMP	3.361E-04	0.	0.
175	0.43958	VCOMP	3.361E-04	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
175	0.87917	VCOMP	3.361E-04	0.	0.	
175	1.31875	VCOMP	3.361E-04	0.	0.	
175	1.75833	VCOMP	3.361E-04	0.	0.	
175	2.19792	VCOMP	3.361E-04	0.	0.	
175	2.6375	VCOMP	3.361E-04	0.	0.	
175	0.	VSUCC	-3.361E-04	0.	0.	
175	0.43958	VSUCC	-3.361E-04	0.	0.	
175	0.87917	VSUCC	-3.361E-04	0.	0.	
175	1.31875	VSUCC	-3.361E-04	0.	0.	
175	1.75833	VSUCC	-3.361E-04	0.	0.	
175	2.19792	VSUCC	-3.361E-04	0.	0.	
175	2.6375	VSUCC	-3.361E-04	0.	0.	
175	0.	MUERTA CUB	4.338E-04	-0.0659	0.	
175	0.43958	MUERTA CUB	4.338E-04	-0.044	0.	
175	0.87917	MUERTA CUB	4.338E-04	-0.022	0.	
175	1.31875	MUERTA CUB	4.338E-04	1.510E-17	0.	
175	1.75833	MUERTA CUB	4.338E-04	0.022	0.	
175	2.19792	MUERTA CUB	4.338E-04	0.044	0.	
175	2.6375	MUERTA CUB	4.338E-04	0.0659	0.	
176	0.	DEAD	-1.289E-04	-0.0118	0.	
176	0.43958	DEAD	-1.289E-04	-0.0078	0.	
176	0.87917	DEAD	-1.289E-04	-0.0039	0.	
176	1.31875	DEAD	-1.289E-04	2.774E-18	0.	
176	1.75833	DEAD	-1.289E-04	0.0039	0.	
176	2.19792	DEAD	-1.289E-04	0.0078	0.	
176	2.6375	DEAD	-1.289E-04	0.0118	0.	
176	0.	VIVA CUB	3.275E-04	0.	0.	
176	0.43958	VIVA CUB	3.275E-04	0.	0.	
176	0.87917	VIVA CUB	3.275E-04	0.	0.	
176	1.31875	VIVA CUB	3.275E-04	0.	0.	
176	1.75833	VIVA CUB	3.275E-04	0.	0.	
176	2.19792	VIVA CUB	3.275E-04	0.	0.	
176	2.6375	VIVA CUB	3.275E-04	0.	0.	
176	0.	VCOMP	2.620E-04	0.	0.	
176	0.43958	VCOMP	2.620E-04	0.	0.	
176	0.87917	VCOMP	2.620E-04	0.	0.	
176	1.31875	VCOMP	2.620E-04	0.	0.	
176	1.75833	VCOMP	2.620E-04	0.	0.	
176	2.19792	VCOMP	2.620E-04	0.	0.	
176	2.6375	VCOMP	2.620E-04	0.	0.	
176	0.	VSUCC	-2.620E-04	0.	0.	
176	0.43958	VSUCC	-2.620E-04	0.	0.	
176	0.87917	VSUCC	-2.620E-04	0.	0.	
176	1.31875	VSUCC	-2.620E-04	0.	0.	
176	1.75833	VSUCC	-2.620E-04	0.	0.	
176	2.19792	VSUCC	-2.620E-04	0.	0.	
176	2.6375	VSUCC	-2.620E-04	0.	0.	
176	0.	MUERTA CUB	3.386E-04	-0.0659	0.	
176	0.43958	MUERTA CUB	3.386E-04	-0.044	0.	
176	0.87917	MUERTA CUB	3.386E-04	-0.022	0.	
176	1.31875	MUERTA CUB	3.386E-04	-1.555E-18	0.	
176	1.75833	MUERTA CUB	3.386E-04	0.022	0.	
176	2.19792	MUERTA CUB	3.386E-04	0.044	0.	
176	2.6375	MUERTA CUB	3.386E-04	0.0659	0.	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
177	0.	DEAD	-0.0042	-0.0118	0.	
177	1.34084	DEAD	-0.002	5.398E-18	0.	
177	2.68169	DEAD	1.424E-04	0.0118	0.	
177	0.	VIVA CUB	-0.0066	0.	0.	
177	1.34084	VIVA CUB	-0.0066	0.	0.	
177	2.68169	VIVA CUB	-0.0066	0.	0.	
177	0.	VCOMP	-0.0053	0.	0.	
177	1.34084	VCOMP	-0.0053	0.	0.	
177	2.68169	VCOMP	-0.0053	0.	0.	
177	0.	VSUCC	0.0053	0.	0.	
177	1.34084	VSUCC	0.0053	0.	0.	
177	2.68169	VSUCC	0.0053	0.	0.	
177	0.	MUERTA CUB	-0.0228	-0.0659	0.	
177	1.34084	MUERTA CUB	-0.0107	1.778E-17	0.	
177	2.68169	MUERTA CUB	0.0015	0.0659	0.	
178	0.	DEAD	1.424E-04	-0.0118	0.	
178	1.34084	DEAD	-0.002	5.398E-18	0.	
178	2.68169	DEAD	-0.0042	0.0118	0.	
178	0.	VIVA CUB	-0.0066	0.	0.	
178	1.34084	VIVA CUB	-0.0066	0.	0.	
178	2.68169	VIVA CUB	-0.0066	0.	0.	
178	0.	VCOMP	-0.0053	0.	0.	
178	1.34084	VCOMP	-0.0053	0.	0.	
178	2.68169	VCOMP	-0.0053	0.	0.	
178	0.	VSUCC	0.0053	0.	0.	
178	1.34084	VSUCC	0.0053	0.	0.	
178	2.68169	VSUCC	0.0053	0.	0.	
178	0.	MUERTA CUB	0.0015	-0.0659	0.	
178	1.34084	MUERTA CUB	-0.0107	1.778E-17	0.	
178	2.68169	MUERTA CUB	-0.0228	0.0659	0.	
179	0.	DEAD	-1.289E-04	-0.0118	0.	
179	0.43958	DEAD	-1.289E-04	-0.0078	0.	
179	0.87917	DEAD	-1.289E-04	-0.0039	0.	
179	1.31875	DEAD	-1.289E-04	-1.808E-18	0.	
179	1.75833	DEAD	-1.289E-04	0.0039	0.	
179	2.19792	DEAD	-1.289E-04	0.0078	0.	
179	2.6375	DEAD	-1.289E-04	0.0118	0.	
179	0.	VIVA CUB	3.275E-04	0.	0.	
179	0.43958	VIVA CUB	3.275E-04	0.	0.	
179	0.87917	VIVA CUB	3.275E-04	0.	0.	
179	1.31875	VIVA CUB	3.275E-04	0.	0.	
179	1.75833	VIVA CUB	3.275E-04	0.	0.	
179	2.19792	VIVA CUB	3.275E-04	0.	0.	
179	2.6375	VIVA CUB	3.275E-04	0.	0.	
179	0.	VCOMP	2.620E-04	0.	0.	
179	0.43958	VCOMP	2.620E-04	0.	0.	
179	0.87917	VCOMP	2.620E-04	0.	0.	
179	1.31875	VCOMP	2.620E-04	0.	0.	
179	1.75833	VCOMP	2.620E-04	0.	0.	
179	2.19792	VCOMP	2.620E-04	0.	0.	
179	2.6375	VCOMP	2.620E-04	0.	0.	
179	0.	VSUCC	-2.620E-04	0.	0.	
179	0.43958	VSUCC	-2.620E-04	0.	0.	
179	0.87917	VSUCC	-2.620E-04	0.	0.	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
179	1.31875	VSUCC	-2.620E-04	0.	0.	
179	1.75833	VSUCC	-2.620E-04	0.	0.	
179	2.19792	VSUCC	-2.620E-04	0.	0.	
179	2.6375	VSUCC	-2.620E-04	0.	0.	
179	0.	MUERTA CUB	3.386E-04	-0.0659	0.	
179	0.43958	MUERTA CUB	3.386E-04	-0.044	0.	
179	0.87917	MUERTA CUB	3.386E-04	-0.022	0.	
179	1.31875	MUERTA CUB	3.386E-04	1.510E-17	0.	
179	1.75833	MUERTA CUB	3.386E-04	0.022	0.	
179	2.19792	MUERTA CUB	3.386E-04	0.044	0.	
179	2.6375	MUERTA CUB	3.386E-04	0.0659	0.	
180	0.	DEAD	-0.5292	-0.0142	0.	
180	1.4966	DEAD	-0.5389	-4.138E-18	0.	
180	2.99319	DEAD	-0.5445	0.0142	0.	
180	0.	VIVA CUB	-1.3378	0.	0.	
180	1.4966	VIVA CUB	-1.3378	0.	0.	
180	2.99319	VIVA CUB	-1.3378	0.	0.	
180	0.	VCOMP	-1.0702	0.	0.	
180	1.4966	VCOMP	-1.0702	0.	0.	
180	2.99319	VCOMP	-1.0702	0.	0.	
180	0.	VSUCC	1.0702	0.	0.	
180	1.4966	VSUCC	1.0702	0.	0.	
180	2.99319	VSUCC	1.0702	0.	0.	
180	0.	MUERTA CUB	-1.2512	0.	0.	
180	1.4966	MUERTA CUB	-1.2512	0.	0.	
180	2.99319	MUERTA CUB	-1.2512	0.	0.	
181	0.	DEAD	-0.5292	-0.0142	0.	
181	1.4966	DEAD	-0.5389	6.385E-20	0.	
181	2.99319	DEAD	-0.5445	0.0142	0.	
181	0.	VIVA CUB	-1.3378	0.	0.	
181	1.4966	VIVA CUB	-1.3378	0.	0.	
181	2.99319	VIVA CUB	-1.3378	0.	0.	
181	0.	VCOMP	-1.0702	0.	0.	
181	1.4966	VCOMP	-1.0702	0.	0.	
181	2.99319	VCOMP	-1.0702	0.	0.	
181	0.	VSUCC	1.0702	0.	0.	
181	1.4966	VSUCC	1.0702	0.	0.	
181	2.99319	VSUCC	1.0702	0.	0.	
181	0.	MUERTA CUB	-1.2512	0.	0.	
181	1.4966	MUERTA CUB	-1.2512	0.	0.	
181	2.99319	MUERTA CUB	-1.2512	0.	0.	
182	0.	DEAD	-0.5309	-0.0134	0.0039	
182	1.4966	DEAD	-0.5385	8.044E-04	0.0039	
182	2.99319	DEAD	-0.5461	0.015	0.0039	
182	0.	VIVA CUB	-1.372	0.0028	0.0169	
182	1.4966	VIVA CUB	-1.372	0.0028	0.0169	
182	2.99319	VIVA CUB	-1.372	0.0028	0.0169	
182	0.	VCOMP	-1.0976	0.0022	0.0135	
182	1.4966	VCOMP	-1.0976	0.0022	0.0135	
182	2.99319	VCOMP	-1.0976	0.0022	0.0135	
182	0.	VSUCC	1.0976	-0.0022	-0.0135	
182	1.4966	VSUCC	1.0976	-0.0022	-0.0135	
182	2.99319	VSUCC	1.0976	-0.0022	-0.0135	
182	0.	MUERTA CUB	-1.2701	0.0026	0.0239	

Table 24: Element Forces - Frames, Part 1 of 2						
Frame	Station	OutputCase	P Tonf	V2 Tonf	V3 Tonf	
182	1.4966	MUERTA CUB	-1.2701	0.0026	0.0239	
182	2.99319	MUERTA CUB	-1.2701	0.0026	0.0239	
183	0.	DEAD	-0.5309	-0.0134	-0.0039	
183	1.4966	DEAD	-0.5385	8.044E-04	-0.0039	
183	2.99319	DEAD	-0.5461	0.015	-0.0039	
183	0.	VIVA CUB	-1.372	0.0028	-0.0169	
183	1.4966	VIVA CUB	-1.372	0.0028	-0.0169	
183	2.99319	VIVA CUB	-1.372	0.0028	-0.0169	
183	0.	VCOMP	-1.0976	0.0022	-0.0135	
183	1.4966	VCOMP	-1.0976	0.0022	-0.0135	
183	2.99319	VCOMP	-1.0976	0.0022	-0.0135	
183	0.	VSUCC	1.0976	-0.0022	0.0135	
183	1.4966	VSUCC	1.0976	-0.0022	0.0135	
183	2.99319	VSUCC	1.0976	-0.0022	0.0135	
183	0.	MUERTA CUB	-1.2701	0.0026	-0.0239	
183	1.4966	MUERTA CUB	-1.2701	0.0026	-0.0239	
183	2.99319	MUERTA CUB	-1.2701	0.0026	-0.0239	
184	0.	DEAD	-0.324	-0.0139	8.577E-04	
184	1.4966	DEAD	-0.3317	3.332E-04	8.577E-04	
184	2.99319	DEAD	-0.3393	0.0146	8.577E-04	
184	0.	VIVA CUB	-0.4598	7.465E-04	0.0035	
184	1.4966	VIVA CUB	-0.4598	7.465E-04	0.0035	
184	2.99319	VIVA CUB	-0.4598	7.465E-04	0.0035	
184	0.	VCOMP	-0.3678	5.972E-04	0.0028	
184	1.4966	VCOMP	-0.3678	5.972E-04	0.0028	
184	2.99319	VCOMP	-0.3678	5.972E-04	0.0028	
184	0.	VSUCC	0.3678	-5.972E-04	-0.0028	
184	1.4966	VSUCC	0.3678	-5.972E-04	-0.0028	
184	2.99319	VSUCC	0.3678	-5.972E-04	-0.0028	
184	0.	MUERTA CUB	0.0209	-2.439E-04	0.0053	
184	1.4966	MUERTA CUB	0.0209	-2.439E-04	0.0053	
184	2.99319	MUERTA CUB	0.0209	-2.439E-04	0.0053	
185	0.	DEAD	-0.324	-0.0139	-8.577E-04	
185	1.4966	DEAD	-0.3317	3.332E-04	-8.577E-04	
185	2.99319	DEAD	-0.3393	0.0146	-8.577E-04	
185	0.	VIVA CUB	-0.4598	7.465E-04	-0.0035	
185	1.4966	VIVA CUB	-0.4598	7.465E-04	-0.0035	
185	2.99319	VIVA CUB	-0.4598	7.465E-04	-0.0035	
185	0.	VCOMP	-0.3678	5.972E-04	-0.0028	
185	1.4966	VCOMP	-0.3678	5.972E-04	-0.0028	
185	2.99319	VCOMP	-0.3678	5.972E-04	-0.0028	
185	0.	VSUCC	0.3678	-5.972E-04	0.0028	
185	1.4966	VSUCC	0.3678	-5.972E-04	0.0028	
185	2.99319	VSUCC	0.3678	-5.972E-04	0.0028	
185	0.	MUERTA CUB	0.0209	-2.439E-04	-0.0053	
185	1.4966	MUERTA CUB	0.0209	-2.439E-04	-0.0053	
185	2.99319	MUERTA CUB	0.0209	-2.439E-04	-0.0053	
186	0.	DEAD	-0.326	-0.0139	-0.001	
186	1.4966	DEAD	-0.3323	3.404E-04	-0.001	
186	2.99319	DEAD	-0.3379	0.0146	-0.001	
186	0.	VIVA CUB	-0.4424	6.950E-04	-0.0046	
186	1.4966	VIVA CUB	-0.4424	6.950E-04	-0.0046	
186	2.99319	VIVA CUB	-0.4424	6.950E-04	-0.0046	
186	0.	VCOMP	-0.3539	5.506E-04	-0.0037	

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
186	1.4966	VCOMP	-0.3539	5.560E-04	-0.0037
186	2.99319	VCOMP	-0.3539	5.560E-04	-0.0037
186	0.	VSUCC	0.3539	-5.560E-04	0.0037
186	1.4966	VSUCC	0.3539	-5.560E-04	0.0037
186	2.99319	VSUCC	0.3539	-5.560E-04	0.0037
186	0.	MUERTA CUB	0.0312	-2.706E-04	-0.0065
186	1.4966	MUERTA CUB	0.0312	-2.706E-04	-0.0065
186	2.99319	MUERTA CUB	0.0312	-2.706E-04	-0.0065
187	0.	DEAD	-0.3226	-0.0139	0.001
187	1.4966	DEAD	-0.3303	3.404E-04	0.001
187	2.99319	DEAD	-0.3379	0.0146	0.001
187	0.	VIVA CUB	-0.4424	6.950E-04	0.0046
187	1.4966	VIVA CUB	-0.4424	6.950E-04	0.0046
187	2.99319	VIVA CUB	-0.4424	6.950E-04	0.0046
187	0.	VCOMP	-0.3539	5.560E-04	0.0037
187	1.4966	VCOMP	-0.3539	5.560E-04	0.0037
187	2.99319	VCOMP	-0.3539	5.560E-04	0.0037
187	0.	VSUCC	0.3539	-5.560E-04	-0.0037
187	1.4966	VSUCC	0.3539	-5.560E-04	-0.0037
187	2.99319	VSUCC	0.3539	-5.560E-04	-0.0037
187	0.	MUERTA CUB	0.0312	-2.706E-04	0.0065
187	1.4966	MUERTA CUB	0.0312	-2.706E-04	0.0065
187	2.99319	MUERTA CUB	0.0312	-2.706E-04	0.0065

Table 24: Element Forces - Frames, Part 2 of 2

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
39	0.	DEAD	-0.00034	0.00165	0.01422
39	0.4652	DEAD	-0.00034	0.00165	0.00095
39	0.9304	DEAD	-0.00034	0.00165	-0.01233
39	0.	VIVA CUB	-0.00138	0.00705	0.01107
39	0.4652	VIVA CUB	-0.00138	0.00705	0.00046
39	0.9304	VIVA CUB	-0.00138	0.00705	-0.01015
39	0.	VCOMP	-0.00111	0.00564	0.00885
39	0.4652	VCOMP	-0.00111	0.00564	0.00037
39	0.9304	VCOMP	-0.00111	0.00564	-0.00812
39	0.	VSUCC	0.00111	-0.00564	-0.00885
39	0.4652	VSUCC	0.00111	-0.00564	-0.00037
39	0.9304	VSUCC	0.00111	-0.00564	0.00812
39	0.	MUERTA CUB	-0.0021	0.01017	0.01042
39	0.4652	MUERTA CUB	-0.0021	0.01017	0.00061
39	0.9304	MUERTA CUB	-0.0021	0.01017	-0.00919
40	0.	DEAD	-0.00249	-0.00019	-0.01527
40	1.34084	DEAD	-0.00249	0.00462	0.0091
40	2.68169	DEAD	-0.00249	0.00942	-0.00467
40	0.	VIVA CUB	-0.01069	0.00231	-0.0116
40	1.34084	VIVA CUB	-0.01069	0.01875	0.00474
40	2.68169	VIVA CUB	-0.01069	0.03981	0.02108
40	0.	VCOMP	-0.00855	-0.00185	-0.00928
40	1.34084	VCOMP	-0.00855	0.015	0.00379
40	2.68169	VCOMP	-0.00855	0.03185	0.01686

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
40	0.	VSUCC	0.00855	0.00185	0.00928
40	1.34084	VSUCC	0.00855	-0.015	-0.00379
40	2.68169	VSUCC	0.00855	-0.03185	-0.01686
40	0.	MUERTA CUB	-0.01538	-0.00272	-0.01132
40	1.34084	MUERTA CUB	-0.01538	0.02862	0.00449
40	2.68169	MUERTA CUB	-0.01538	0.05995	0.02029
41	0.	DEAD	0.00068	0.02048	-0.0051
41	1.34084	DEAD	0.00068	-0.03206	0.01048
41	2.68169	DEAD	0.00068	-0.0846	-0.01208
41	0.	VIVA CUB	0.00299	0.08463	0.01982
41	1.34084	VIVA CUB	0.00299	-0.1333	0.01043
41	2.68169	VIVA CUB	0.00299	-0.35122	0.01014
41	0.	VCOMP	0.00239	0.0677	0.01586
41	1.34084	VCOMP	0.00239	-0.10664	0.00835
41	2.68169	VCOMP	0.00239	-0.28098	0.00084
41	0.	VSUCC	-0.00239	-0.0677	-0.01586
41	1.34084	VSUCC	-0.00239	0.10664	-0.00835
41	2.68169	VSUCC	-0.00239	0.28098	-0.00084
41	0.	MUERTA CUB	0.00418	0.12669	0.01839
41	1.34084	MUERTA CUB	0.00418	-0.19969	0.0096
41	2.68169	MUERTA CUB	0.00418	-0.52608	0.00081
42	0.	DEAD	-0.00068	-0.0846	-0.01208
42	1.34084	DEAD	-0.00068	-0.03206	0.01048
42	2.68169	DEAD	-0.00068	0.02048	-0.0051
42	0.	VIVA CUB	-0.00299	-0.35122	0.01014
42	1.34084	VIVA CUB	-0.00299	-0.1333	0.01043
42	2.68169	VIVA CUB	-0.00299	0.08463	0.01982
42	0.	VCOMP	-0.00239	-0.28098	0.00084
42	1.34084	VCOMP	-0.00239	-0.10664	0.00835
42	2.68169	VCOMP	-0.00239	0.0677	0.01586
42	0.	VSUCC	0.00239	0.28098	-0.00084
42	1.34084	VSUCC	0.00239	0.10664	-0.00835
42	2.68169	VSUCC	0.00239	-0.0677	-0.01586
42	0.	MUERTA CUB	-0.00418	-0.52608	0.00081
42	1.34084	MUERTA CUB	-0.00418	-0.19969	0.0096
42	2.68169	MUERTA CUB	-0.00418	0.12669	0.01839
43	0.	DEAD	0.00249	0.00942	-0.00467
43	1.34084	DEAD	0.00249	0.00462	0.0091
43	2.68169	DEAD	0.00249	-0.00019	-0.01527
43	0.	VIVA CUB	0.01069	0.03981	0.02108
43	1.34084	VIVA CUB	0.01069	0.01875	0.00474
43	2.68169	VIVA CUB	0.01069	0.00231	-0.0116
43	0.	VCOMP	0.00855	0.03185	0.01686
43	1.34084	VCOMP	0.00855	0.015	0.00379
43	2.68169	VCOMP	0.00855	-0.00185	-0.00928
43	0.	VSUCC	-0.00855	-0.03185	-0.01686
43	1.34084	VSUCC	-0.00855	-0.015	-0.00379
43	2.68169	VSUCC	-0.00855	0.00185	0.00928
43	0.	MUERTA CUB	0.01538	0.05995	0.02029
43	1.34084	MUERTA CUB	0.01538	0.02862	0.00449
43	2.68169	MUERTA CUB	0.01538	-0.00272	-0.01132
44	0.	DEAD	0.00034	0.00165	-0.01422
44	0.4652	DEAD	0.00034	0.00165	-0.00095
44	0.9304	DEAD	0.00034	0.00165	0.01233

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
44	0.	VIVA CUB	0.00138	0.00705	-0.01107
44	0.4652	VIVA CUB	0.00138	0.00705	-0.00046
44	0.9304	VIVA CUB	0.00138	0.00705	0.01015
44	0.	VCOMP	0.00111	0.00564	-0.00885
44	0.4652	VCOMP	0.00111	0.00564	-0.00037
44	0.9304	VCOMP	0.00111	0.00564	0.00812
44	0.	VSUCC	-0.00111	-0.00564	0.00885
44	0.4652	VSUCC	-0.00111	-0.00564	0.00037
44	0.9304	VSUCC	-0.00111	-0.00564	-0.00812
44	0.	MUERTA CUB	0.0021	0.01017	-0.01042
44	0.4652	MUERTA CUB	0.0021	0.01017	-0.00061
44	0.9304	MUERTA CUB	0.0021	0.01017	0.00919
45	0.	DEAD	-0.0007	0.	0
45	1.34084	DEAD	-0.0007	0.	0.00954
45	2.68169	DEAD	-0.0007	0.	-5.113E-18
45	0.	VIVA CUB	-0.00299	0.	0.
45	1.34084	VIVA CUB	-0.00299	0.	0.
45	2.68169	VIVA CUB	-0.00299	0.	0.
45	0.	VCOMP	-0.00239	0.	0.
45	1.34084	VCOMP	-0.00239	0.	0.
45	2.68169	VCOMP	-0.00239	0.	0.
45	0.	VSUCC	0.00239	0.	0.
45	1.34084	VSUCC	0.00239	0.	0.
45	2.68169	VSUCC	0.00239	0.	0.
45	0.	MUERTA CUB	-0.00432	0.	0.
45	1.34084	MUERTA CUB	-0.00432	0.	0.
45	2.68169	MUERTA CUB	-0.00432	0.	0.
46	0.	DEAD	0.0007	0.	0
46	1.34084	DEAD	0.0007	0.	0.00954
46	2.68169	DEAD	0.0007	0.	-4.386E-18
46	0.	VIVA CUB	0.00299	0.	0.
46	1.34084	VIVA CUB	0.00299	0.	0.
46	2.68169	VIVA CUB	0.00299	0.	0.
46	0.	VCOMP	0.00239	0.	0.
46	1.34084	VCOMP	0.00239	0.	0.
46	2.68169	VCOMP	0.00239	0.	0.
46	0.	VSUCC	-0.00239	0.	0.
46	1.34084	VSUCC	-0.00239	0.	0.
46	2.68169	VSUCC	-0.00239	0.	0.
46	0.	MUERTA CUB	0.00432	0.	0.
46	1.34084	MUERTA CUB	0.00432	0.	0.
46	2.68169	MUERTA CUB	0.00432	0.	0.
47	0.	DEAD	0.00053	0.00096	-0.01422
47	1.33911	DEAD	0.00053	0.00096	0.0091
47	2.67821	DEAD	0.00053	0.00096	-0.00568
47	0.	VIVA CUB	0.00228	0.00404	-0.01107
47	1.33911	VIVA CUB	0.00228	0.00404	0.00398
47	2.67821	VIVA CUB	0.00228	0.00404	0.01902
47	0.	VCOMP	0.00182	0.00324	-0.00885
47	1.33911	VCOMP	0.00182	0.00324	0.00318
47	2.67821	VCOMP	0.00182	0.00324	0.01521
47	0.	VSUCC	-0.00182	-0.00324	-0.00318
47	1.33911	VSUCC	-0.00182	-0.00324	-0.00885
47	2.67821	VSUCC	-0.00182	-0.00324	-0.01521
47	0.	MUERTA CUB	-0.00327	0.00594	0.01794
47	1.33911	MUERTA CUB	-0.00327	0.00594	0.00376
47	2.67821	MUERTA CUB	-0.00327	0.00594	-0.01042
51	0.	DEAD	0.00076	0.	0.
51	0.475	DEAD	0.00076	0.	-5.688E-19
51	0.95	DEAD	0.00076	0.	0.
51	0.	VIVA CUB	0.0032	0.	0.
51	0.475	VIVA CUB	0.0032	0.	0.
51	0.95	VIVA CUB	0.0032	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
47	0.	MUERTA CUB	0.00327	0.00594	-0.01042
47	1.33911	MUERTA CUB	0.00327	0.00594	0.00376
47	2.67821	MUERTA CUB	0.00327	0.00594	0.01794
48	0.	DEAD	0.0004	0.0017	-0.00568
48	1.33911	DEAD	0.0004	0.0017	0.01081
48	2.67821	DEAD	0.0004	0.0017	-0.01079
48	0.	VIVA CUB	0.00172	0.0072	0.01902
48	1.33911	VIVA CUB	0.00172	0.0072	0.01138
48	2.67821	VIVA CUB	0.00172	0.0072	0.00374
48	0.	VCOMP	0.00138	0.00576	0.01521
48	1.33911	VCOMP	0.00138	0.00576	0.0091
48	2.67821	VCOMP	0.00138	0.00576	0.00299
48	0.	VSUCC	-0.00138	-0.00576	-0.01521
48	1.33911	VSUCC	-0.00138	-0.00576	-0.0091
48	2.67821	VSUCC	-0.00138	-0.00576	-0.00299
48	0.	MUERTA CUB	0.00245	0.01056	0.01794
48	1.33911	MUERTA CUB	0.00245	0.01056	0.01056
48	2.67821	MUERTA CUB	0.00245	0.01056	0.00319
49	0.	DEAD	-0.0004	0.0017	-0.01079
49	1.33911	DEAD	-0.0004	0.0017	0.01081
49	2.67821	DEAD	-0.0004	0.0017	-0.00568
49	0.	VIVA CUB	-0.00172	0.0072	0.00374
49	1.33911	VIVA CUB	-0.00172	0.0072	0.01138
49	2.67821	VIVA CUB	-0.00172	0.0072	0.01902
49	0.	VCOMP	-0.00138	0.00576	0.00299
49	1.33911	VCOMP	-0.00138	0.00576	0.0091
49	2.67821	VCOMP	-0.00138	0.00576	0.01521
49	0.	VSUCC	0.00138	-0.00576	-0.00299
49	1.33911	VSUCC	0.00138	-0.00576	-0.0091
49	2.67821	VSUCC	0.00138	-0.00576	-0.01521
49	0.	MUERTA CUB	-0.00245	0.01056	0.00319
49	1.33911	MUERTA CUB	-0.00245	0.01056	0.01056
49	2.67821	MUERTA CUB	-0.00245	0.01056	0.01794
50	0.	DEAD	-0.0006	0.00096	-0.00568
50	1.33911	DEAD	-0.00063	0.00096	0.0091
50	2.67821	DEAD	-0.00053	0.00096	-0.01422
50	0.	VIVA CUB	-0.00228	0.04004	0.01902
50	1.33911	VIVA CUB	-0.00228	0.04004	0.00398
50	2.67821	VIVA CUB	-0.00228	0.04004	-0.01107
50	0.	VCOMP	-0.00182	0.00324	0.01521
50	1.33911	VCOMP	-0.00182	0.00324	0.00318
50	2.67821	VCOMP	-0.00182	0.00324	-0.00885
50	0.	VSUCC	0.00182	-0.00324	-0.01521
50	1.33911	VSUCC	0.00182	-0.00324	-0.00318
50	2.67821	VSUCC	0.00182	-0.00324	0.00885
50	0.	MUERTA CUB	-0.00327	0.00594	0.01794
50	1.33911	MUERTA CUB	-0.00327	0.00594	0.00376
50	2.67821	MUERTA CUB	-0.00327	0.00594	-0.01042
51	0.	DEAD	0.00076	0.	0.
51	0.475	DEAD	0.00076	0.	-5.889E-19
51	0.95	DEAD	0.00076	0.	0.
51	0.	VIVA CUB	0.0032	0.	0.
51	0.475	VIVA CUB	0.0032	0.	0.
51	0.95	VIVA CUB	0.0032	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
51	0.	VCOMP	0.00256	0.	0.
51	0.475	VCOMP	0.00256	0.	0.
52	0.95	VCOMP	0.00256	0.	0.
51	0.	VSUCC	-0.00256	0.	0.
51	0.475	VSUCC	-0.00256	0.	0.
51	0.95	VSUCC	-0.00256	0.	0.
51	0.	MUERTA CUB	0.00469	0.	0.
51	0.475	MUERTA CUB	0.00469	0.	0.
51	0.95	MUERTA CUB	0.00469	0.	0.
52	0.	DEAD	-0.00076	0.	0.
52	0.475	DEAD	-0.00076	0.	0.
52	0.95	DEAD	-0.00076	0.	0.
52	0.	VIVA CUB	-0.0032	0.	0.
52	0.475	VIVA CUB	-0.0032	0.	0.
52	0.95	VIVA CUB	-0.0032	0.	0.
52	0.	VCOMP	-0.00256	0.	0.
52	0.475	VCOMP	-0.00256	0.	0.
52	0.95	VCOMP	-0.00256	0.	0.
52	0.	VSUCC	0.00256	0.	0.
52	0.475	VSUCC	0.00256	0.	0.
52	0.95	VSUCC	0.00256	0.	0.
52	0.	MUERTA CUB	-0.00469	0.	0.
52	0.475	MUERTA CUB	-0.00469	0.	0.
52	0.95	MUERTA CUB	-0.00469	0.	0.
53	0.	DEAD	-7.308E-19	0.	0.
53	0.4848	DEAD	-7.308E-19	0.	0.
53	0.9696	DEAD	-7.308E-19	0.	0.
53	0.	VIVA CUB	-1.674E-18	0.	0.
53	0.4848	VIVA CUB	-1.674E-18	0.	0.
53	0.9696	VIVA CUB	-1.674E-18	0.	0.
53	0.	VCOMP	-1.336E-18	0.	0.
53	0.4848	VCOMP	-1.336E-18	0.	0.
53	0.9696	VCOMP	-1.336E-18	0.	0.
53	0.	VSUCC	1.336E-18	0.	0.
53	0.4848	VSUCC	1.336E-18	0.	0.
53	0.9696	VSUCC	1.336E-18	0.	0.
53	0.	MUERTA CUB	-3.590E-18	0.	0.
53	0.4848	MUERTA CUB	-3.590E-18	0.	0.
53	0.9696	MUERTA CUB	-3.590E-18	0.	0.
56	0.	DEAD	4.337E-19	-0.00247	0.
56	0.24148	DEAD	4.337E-19	-8.994E-20	-0.00062
56	0.48296	DEAD	4.337E-19	-6.135E-19	-1.046E-17
56	0.	VIVA CUB	2.602E-18	3.469E-18	5.551E-17
56	0.24148	VIVA CUB	2.602E-18	3.469E-18	1.151E-17
56	0.48296	VIVA CUB	2.602E-18	3.469E-18	7.854E-17
56	0.	VCOMP	2.602E-18	6.939E-18	-5.551E-17
56	0.24148	VCOMP	2.602E-18	5.263E-18	-2.870E-17
56	0.48296	VCOMP	2.602E-18	3.589E-18	-1.892E-18
56	0.	VSUCC	-2.602E-18	-6.939E-18	5.551E-17
56	0.24148	VSUCC	-2.602E-18	-5.263E-18	2.870E-17
56	0.48296	VSUCC	-2.602E-18	-3.589E-18	1.892E-18
56	0.	MUERTA CUB	1.735E-18	1.388E-17	-2.776E-17
56	0.24148	MUERTA CUB	1.735E-18	7.175E-18	-9.460E-19
56	0.48296	MUERTA CUB	1.735E-18	4.730E-19	2.586E-17

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
57	0.	DEAD	0.	4.337E-19	0.
57	0.24148	DEAD	0.	1.195E-19	-0.00062
57	0.48296	DEAD	0.	-1.947E-19	-0.00247
57	0.	VIVA CUB	0.	-5.204E-18	-1.908E-17
57	0.24148	VIVA CUB	0.	-3.529E-18	4.794E-17
57	0.48296	VIVA CUB	0.	-1.853E-18	1.150E-16
57	0.	VCOMP	0.	0.	-3.469E-18
57	0.24148	VCOMP	0.	8.378E-19	3.674E-17
57	0.48296	VCOMP	0.	1.676E-18	7.696E-17
57	0.	VSUCC	0.	0.	3.469E-18
57	0.24148	VSUCC	0.	-8.378E-19	-3.674E-17
57	0.48296	VSUCC	0.	-1.676E-18	-7.696E-17
57	0.	MUERTA CUB	0.	-8.674E-19	-1.041E-17
57	0.24148	MUERTA CUB	0.	-2.956E-20	5.662E-17
57	0.48296	MUERTA CUB	0.	8.082E-19	1.236E-16
58	0.	DEAD	-6.342E-05	-5.642E-05	0.01685
58	0.4652	DEAD	-6.342E-05	-0.00046	0.00224
58	0.9304	DEAD	-6.342E-05	-0.00085	-0.01237
58	0.	VIVA CUB	-0.00028	-0.00025	0.00394
58	0.4652	VIVA CUB	-0.00028	-0.0019	-9.251E-05
58	0.9304	VIVA CUB	-0.00028	-0.00355	-0.00413
58	0.	VCOMP	-0.00022	-0.0002	0.00315
58	0.4652	VCOMP	-0.00022	-0.00152	-7.401E-05
58	0.9304	VCOMP	-0.00022	-0.00284	-0.0033
58	0.	VSUCC	0.00022	0.0002	-0.00315
58	0.4652	VSUCC	0.00022	0.00152	7.401E-05
58	0.9304	VSUCC	0.00022	0.00284	0.0033
58	0.	MUERTA CUB	-0.00039	-0.00035	-0.00053
58	0.4652	MUERTA CUB	-0.00039	-0.00281	-0.00072
58	0.9304	MUERTA CUB	-0.00039	-0.00526	-0.00091
59	0.	DEAD	0.00059	0.00017	-0.01442
59	1.34084	DEAD	0.00059	-0.0027	0.00898
59	2.68169	DEAD	0.00059	-0.00568	-0.00577
59	0.	VIVA CUB	0.00245	0.00093	-0.00244
59	1.34084	VIVA CUB	0.00245	-0.01094	0.00125
59	2.68169	VIVA CUB	0.00245	-0.02281	0.00495
59	0.	VCOMP	0.00196	0.00074	-0.00195
59	1.34084	VCOMP	0.00196	-0.00875	0.001
59	2.68169	VCOMP	0.00196	-0.01825	0.00396
59	0.	VSUCC	-0.00196	-0.00074	0.00195
59	1.34084	VSUCC	-0.00196	0.00875	-0.001
59	2.68169	VSUCC	-0.00196	0.01825	-0.00396
59	0.	MUERTA CUB	0.00363	0.00133	0.00151
59	1.34084	MUERTA CUB	0.00363	-0.01664	-9.307E-05
59	2.68169	MUERTA CUB	0.00363	-0.03462	-0.0017
60	0.	DEAD	-0.0003	-0.00365	-0.01041
60	1.34084	DEAD	-0.0003	0.00518	0.00836
60	2.68169	DEAD	-0.0003	0.014	-0.01101
60	0.	VIVA CUB	-0.00129	-0.01422	0.00785
60	1.34084	VIVA CUB	-0.00129	0.01993	0.00422
60	2.68169	VIVA CUB	-0.00129	0.05408	0.00059
60	0.	VCOMP	-0.00103	-0.01138	0.00628
60	1.34084	VCOMP	-0.00103	0.01594	0.00337
60	2.68169	VCOMP	-0.00103	0.04327	0.00047

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
60	0.	VSUCC	0.00103	0.01138	-0.00628
60	1.34084	VSUCC	0.00103	-0.01594	-0.00337
60	2.68169	VSUCC	0.00103	-0.04327	-0.00047
60	0.	MUERTA CUB	-0.00185	-0.02258	-0.00033
60	1.34084	MUERTA CUB	-0.00185	0.03198	0.00018
60	2.68169	MUERTA CUB	-0.00185	0.08655	0.0007
61	0.	DEAD	0.0003	0.014	-0.01101
61	1.34084	DEAD	0.0003	0.00518	0.00836
61	2.68169	DEAD	0.0003	-0.00365	-0.01041
61	0.	VIVA CUB	0.00129	0.05408	0.00059
61	1.34084	VIVA CUB	0.00129	0.01993	0.00422
61	2.68169	VIVA CUB	0.00129	-0.01422	0.00785
61	0.	VCOMP	0.00103	0.04327	0.00047
61	1.34084	VCOMP	0.00103	0.01594	0.00337
61	2.68169	VCOMP	0.00103	-0.01138	0.00628
61	0.	VSUCC	-0.00103	-0.04327	-0.00047
61	1.34084	VSUCC	-0.00103	-0.01594	-0.00337
61	2.68169	VSUCC	-0.00103	0.01138	-0.00628
61	0.	MUERTA CUB	0.00185	0.08655	0.0007
61	1.34084	MUERTA CUB	0.00185	0.03198	0.00018
61	2.68169	MUERTA CUB	0.00185	-0.02258	-0.00033
62	0.	DEAD	-0.00059	-0.00558	-0.00577
62	1.34084	DEAD	-0.00059	-0.0027	0.00898
62	2.68169	DEAD	-0.00059	0.00017	-0.01442
62	0.	VIVA CUB	-0.00245	-0.02281	0.00495
62	1.34084	VIVA CUB	-0.00245	-0.01094	0.00125
62	2.68169	VIVA CUB	-0.00245	0.00093	-0.00244
62	0.	VCOMP	-0.00196	-0.01825	0.00396
62	1.34084	VCOMP	-0.00196	-0.00875	0.001
62	2.68169	VCOMP	-0.00196	0.00074	-0.00195
62	0.	VSUCC	0.00196	0.01825	-0.00396
62	1.34084	VSUCC	0.00196	0.00875	-0.001
62	2.68169	VSUCC	0.00196	-0.00074	0.00195
62	0.	MUERTA CUB	-0.00363	-0.03462	-0.0017
62	1.34084	MUERTA CUB	-0.00363	-0.01664	-9.307E-05
62	2.68169	MUERTA CUB	-0.00363	0.00133	0.00151
63	0.	DEAD	6.342E-05	-5.642E-05	-0.01685
63	0.4652	DEAD	6.342E-05	-0.00046	-0.00224
63	0.9304	DEAD	6.342E-05	-0.00085	0.01237
63	0.	VIVA CUB	0.00028	-0.00025	-0.00394
63	0.4652	VIVA CUB	0.00028	-0.0019	9.251E-05
63	0.9304	VIVA CUB	0.00028	-0.00355	0.00413
63	0.	VCOMP	0.00022	-0.0002	-0.00315
63	0.4652	VCOMP	0.00022	-0.00152	7.401E-05
63	0.9304	VCOMP	0.00022	-0.00284	0.0033
63	0.	VSUCC	-0.00022	0.0002	0.00315
63	0.4652	VSUCC	-0.00022	0.00152	-7.401E-05
63	0.9304	VSUCC	-0.00022	0.00284	-0.0033
63	0.	MUERTA CUB	0.00039	-0.00035	0.00053
63	0.4652	MUERTA CUB	0.00039	-0.00281	0.00072
63	0.9304	MUERTA CUB	0.00039	-0.00526	0.00091
64	0.	DEAD	0.00021	0.	0.
64	1.34084	DEAD	0.00021	0.	0.00954
64	2.68169	DEAD	0.00021	0.	-5.113E-18

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
64	0.	VIVA CUB	0.00087	0.	0.
64	1.34084	VIVA CUB	0.00087	0.	0.
64	2.68169	VIVA CUB	0.00087	0.	0.
64	0.	VCOMP	0.00069	0.	0.
64	1.34084	VCOMP	0.00069	0.	0.
64	2.68169	VCOMP	0.00069	0.	0.
64	0.	VSUCC	-0.00069	0.	0.
64	1.34084	VSUCC	-0.00069	0.	0.
64	2.68169	VSUCC	-0.00069	0.	0.
64	0.	MUERTA CUB	0.00129	0.	0.
64	1.34084	MUERTA CUB	0.00129	0.	0.
64	2.68169	MUERTA CUB	0.00129	0.	0.
65	0.	DEAD	-0.00021	0.	0.
65	1.34084	DEAD	-0.00021	0.	0.00954
65	2.68169	DEAD	-0.00021	0.	-4.386E-18
65	0.	VIVA CUB	-0.00087	0.	0.
65	1.34084	VIVA CUB	-0.00087	0.	0.
65	2.68169	VIVA CUB	-0.00087	0.	0.
65	0.	VCOMP	-0.00069	0.	0.
65	1.34084	VCOMP	-0.00069	0.	0.
65	2.68169	VCOMP	-0.00069	0.	0.
65	0.	VSUCC	0.00069	0.	0.
65	1.34084	VSUCC	0.00069	0.	0.
65	2.68169	VSUCC	0.00069	0.	0.
65	0.	MUERTA CUB	-0.00129	0.	0.
65	1.34084	MUERTA CUB	-0.00129	0.	0.
65	2.68169	MUERTA CUB	-0.00129	0.	0.
66	0.	DEAD	-7.419E-05	-0.00077	-0.01078
66	1.33911	DEAD	-7.419E-05	-0.00077	0.0091
66	2.67821	DEAD	-7.419E-05	-0.00077	-0.00911
66	0.	VIVA CUB	-0.00031	-0.00313	-0.00337
66	1.33911	VIVA CUB	-0.00031	-0.00313	0.00131
66	2.67821	VIVA CUB	-0.00031	-0.00313	0.00016
66	0.	VCOMP	-0.00025	-0.0025	-0.0027
66	1.33911	VCOMP	-0.00025	-0.0025	0.00105
66	2.67821	VCOMP	-0.00025	-0.0025	0.0048
66	0.	VSUCC	0.00025	0.0025	0.0027
66	1.33911	VSUCC	0.00025	0.0025	-0.00105
66	2.67821	VSUCC	0.00025	0.0025	-0.0048
66	0.	MUERTA CUB	-0.00046	-0.00473	0.00032
66	1.33911	MUERTA CUB	-0.00046	-0.00473	-0.00022
66	2.67821	MUERTA CUB	-0.00046	-0.00473	-0.00075
67	0.	DEAD	-4.702E-05	-0.00092	-0.00911
67	1.33911	DEAD	-4.702E-05	-0.00092	0.009
67	2.67821	DEAD	-4.702E-05	-0.00092	-0.01098
67	0.	VIVA CUB	-0.0002	-0.00376	0.006
67	1.33911	VIVA CUB	-0.0002	-0.00376	0.00413
67	2.67821	VIVA CUB	-0.0002	-0.00376	0.00227
67	0.	VCOMP	-0.00016	-0.00301	0.0048
67	1.33911	VCOMP	-0.00016	-0.00301	0.00331
67	2.67821	VCOMP	-0.00016	-0.00301	0.00182
67	0.	VSUCC	0.00016	0.00301	-0.0048
67	1.33911	VSUCC	0.00016	0.00301	-0.00331
67	2.67821	VSUCC	0.00016	0.00301	-0.00182

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
67	0.	MUERTA CUB	-0.00029	-0.00568	-0.00075
67	1.33911	MUERTA CUB	-0.00029	-0.00568	5.794E-05
67	2.67821	MUERTA CUB	-0.00029	-0.00568	0.00087
68	0.	DEAD	4.702E-05	-0.00092	-0.01098
68	1.33911	DEAD	4.702E-05	-0.00092	0.009
68	2.67821	DEAD	4.702E-05	-0.00092	-0.00911
68	0.	VIVA CUB	0.0002	-0.00376	0.00227
68	1.33911	VIVA CUB	0.0002	-0.00376	0.00413
68	2.67821	VIVA CUB	0.0002	-0.00376	0.006
68	0.	VCOMP	0.00029	-0.00301	0.00182
68	1.33911	VCOMP	0.00016	-0.00301	0.00331
68	2.67821	VCOMP	0.00016	-0.00301	0.0048
68	0.	VSUCC	-0.00016	0.00301	-0.00182
68	1.33911	VSUCC	-0.00016	0.00301	-0.00331
68	2.67821	VSUCC	-0.00016	0.00301	-0.0048
68	0.	MUERTA CUB	0.00029	-0.00568	0.00087
68	1.33911	MUERTA CUB	0.00029	-0.00568	5.794E-05
68	2.67821	MUERTA CUB	0.00029	-0.00568	-0.00075
69	0.	DEAD	7.419E-05	-0.00077	-0.00911
69	1.33911	DEAD	7.419E-05	-0.00077	0.0091
69	2.67821	DEAD	7.419E-05	-0.00077	-0.01078
69	0.	VIVA CUB	0.00031	-0.00313	0.006
69	1.33911	VIVA CUB	0.00031	-0.00313	0.00131
69	2.67821	VIVA CUB	0.00031	-0.00313	-0.00337
69	0.	VCOMP	0.00025	-0.0025	0.0048
69	1.33911	VCOMP	0.00025	-0.0025	0.00105
69	2.67821	VCOMP	0.00025	-0.0025	0.0027
69	0.	VSUCC	-0.00025	0.0025	-0.0048
69	1.33911	VSUCC	-0.00025	0.0025	-0.00105
69	2.67821	VSUCC	-0.00025	0.0025	0.0027
69	0.	MUERTA CUB	0.00046	-0.00473	-0.00075
69	1.33911	MUERTA CUB	0.00046	-0.00473	-0.00022
69	2.67821	MUERTA CUB	0.00046	-0.00473	0.00032
70	0.	DEAD	-0.00016	0.	-5.688E-19
70	0.475	DEAD	-0.00016	0.	0.
70	0.95	DEAD	-0.00016	0.	0.
70	0.	VIVA CUB	-0.00064	0.	0.
70	0.475	VIVA CUB	-0.00064	0.	0.
70	0.95	VIVA CUB	-0.00064	0.	0.
70	0.	VCOMP	-0.00051	0.	0.
70	0.475	VCOMP	-0.00051	0.	0.
70	0.95	VCOMP	-0.00051	0.	0.
70	0.	VSUCC	0.00051	0.	0.
70	0.475	VSUCC	0.00051	0.	0.
70	0.95	VSUCC	0.00051	0.	0.
70	0.	MUERTA CUB	-0.00096	0.	0.
70	0.475	MUERTA CUB	-0.00096	0.	0.
70	0.95	MUERTA CUB	-0.00096	0.	0.
71	0.	DEAD	0.00016	0.	0.
71	0.475	DEAD	0.00016	0.	0.
71	0.95	DEAD	0.00016	0.	0.
71	0.	VIVA CUB	0.00064	0.	0.
71	0.475	VIVA CUB	0.00064	0.	0.
71	0.95	VIVA CUB	0.00064	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
71	0.	VCOMP	0.00051	0.	0.
71	0.475	VCOMP	0.00051	0.	0.
71	0.95	VCOMP	0.00051	0.	0.
71	0.	VSUCC	-0.00051	0.	0.
71	0.475	VSUCC	-0.00051	0.	0.
71	0.95	VSUCC	-0.00051	0.	0.
71	0.	MUERTA CUB	0.00096	0.	0.
71	0.475	MUERTA CUB	0.00096	0.	0.
71	0.95	MUERTA CUB	0.00096	0.	0.
72	0.	DEAD	-1.971E-19	0.	0.
72	0.4848	DEAD	-1.971E-19	0.	0.
72	0.9696	DEAD	-1.971E-19	0.	0.
72	0.	VIVA CUB	-8.921E-19	0.	0.
72	0.4848	VIVA CUB	-8.921E-19	0.	0.
72	0.9696	VIVA CUB	-8.921E-19	0.	0.
72	0.	VCOMP	-8.494E-19	0.	0.
72	0.4848	VCOMP	-8.494E-19	0.	0.
72	0.9696	VCOMP	-8.494E-19	0.	0.
72	0.	VSUCC	8.494E-19	0.	0.
72	0.4848	VSUCC	8.494E-19	0.	0.
72	0.9696	VSUCC	8.494E-19	0.	0.
72	0.	MUERTA CUB	-1.519E-18	0.	0.
72	0.4848	MUERTA CUB	-1.519E-18	0.	0.
72	0.9696	MUERTA CUB	-1.519E-18	0.	0.
75	0.	DEAD	-3.286E-19	0.	-0.00247
75	0.24148	DEAD	-3.286E-19	2.513E-18	-0.00062
75	0.48296	DEAD	-3.286E-19	5.027E-18	-9.276E-18
75	0.	VIVA CUB	-1.464E-18	-1.388E-17	0.
75	0.24148	VIVA CUB	-1.464E-18	-1.053E-17	-6.702E-18
75	0.48296	VIVA CUB	-1.464E-18	-7.175E-18	-1.340E-17
75	0.	VCOMP	-1.125E-18	0.	0.
75	0.24148	VCOMP	-1.125E-18	3.351E-18	-3.351E-18
75	0.48296	VCOMP	-1.125E-18	6.702E-18	-6.702E-18
75	0.	VSUCC	1.125E-18	0.	0.
75	0.24148	VSUCC	1.125E-18	-3.351E-18	3.351E-18
75	0.48296	VSUCC	1.125E-18	-6.702E-18	6.702E-18
75	0.	MUERTA CUB	-2.006E-18	-2.776E-17	0.
75	0.24148	MUERTA CUB	-2.006E-18	-2.776E-17	-1.047E-19
75	0.48296	MUERTA CUB	-2.006E-18	-2.776E-17	-2.094E-19
76	0.	DEAD	-1.338E-19	8.674E-19	-1.952E-17
76	0.24148	DEAD	-1.338E-19	2.956E-20	-0.00062
76	0.48296	DEAD	-1.338E-19	-6.082E-19	-0.00047
76	0.	VIVA CUB	-3.117E-19	6.939E-18	-6.939E-18
76	0.24148	VIVA CUB	-3.117E-19	3.588E-18	1.987E-17
76	0.48296	VIVA CUB	-3.117E-19	2.365E-19	4.668E-17
76	0.	VCOMP	-2.846E-19	0.	2.602E-18
76	0.24148	VCOMP	-2.846E-19	6.702E-18	2.271E-17
76	0.48296	VCOMP	-2.846E-19	1.340E-17	4.282E-17
76	0.	VSUCC	2.846E-19	0.	-2.602E-18
76	0.24148	VSUCC	2.846E-19	-6.702E-18	-2.271E-17
76	0.48296	VSUCC	2.846E-19	-1.340E-17	-4.282E-17
76	0.	MUERTA CUB	-4.608E-19	6.939E-18	4.066E-20
76	0.24148	MUERTA CUB	-4.608E-19	1.029E-17	5.643E-19
76	0.48296	MUERTA CUB	-4.608E-19	1.364E-17	1.088E-18

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
77	0.	DEAD	2.638E-05	-3.781E-06	0.01686
77	0.4652	DEAD	2.638E-05	0.00048	0.00224
77	0.9304	DEAD	2.638E-05	0.00097	-0.01239
77	0.	VIVA CUB	0.00013	2.041E-06	0.0038
77	0.4652	VIVA CUB	0.00013	0.00215	-0.00015
77	0.9304	VIVA CUB	0.00013	0.0043	-0.0041
77	0.	VCOMP	0.0001	1.633E-06	0.00304
77	0.4652	VCOMP	0.0001	0.00172	-0.00012
77	0.9304	VCOMP	0.0001	0.00344	-0.00328
77	0.	VSUCC	-0.0001	-1.633E-06	-0.00304
77	0.4652	VSUCC	-0.0001	-0.00172	0.00012
77	0.9304	VSUCC	-0.0001	-0.00344	0.00328
77	0.	MUERTA CUB	0.00015	-3.170E-05	-0.00057
77	0.4652	MUERTA CUB	0.00015	0.00298	-0.00076
77	0.9304	MUERTA CUB	0.00015	0.00599	-0.00094
78	0.	DEAD	-0.00064	0.00013	-0.01442
78	1.34084	DEAD	-0.00064	0.00171	0.00899
78	2.68169	DEAD	-0.00064	0.0033	-0.00574
78	0.	VIVA CUB	-0.00283	0.00032	-0.00223
78	1.34084	VIVA CUB	-0.00283	0.00728	0.00119
78	2.68169	VIVA CUB	-0.00283	0.01424	0.00461
78	0.	VCOMP	-0.00226	0.00026	-0.00178
78	1.34084	VCOMP	-0.00226	0.00582	0.00095
78	2.68169	VCOMP	-0.00226	0.01139	0.00369
78	0.	VSUCC	0.00226	-0.00026	0.00178
78	1.34084	VSUCC	0.00226	-0.00582	-0.00095
78	2.68169	VSUCC	0.00226	-0.01139	-0.00369
78	0.	MUERTA CUB	-0.00394	0.00061	0.00163
78	1.34084	MUERTA CUB	-0.00394	0.01061	-0.00013
78	2.68169	MUERTA CUB	-0.00394	0.02062	-0.00189
79	0.	DEAD	0.0003	0.00173	-0.01046
79	1.34084	DEAD	0.0003	-0.00709	0.00833
79	2.68169	DEAD	0.0003	-0.01591	-0.01102
79	0.	VIVA CUB	0.00131	0.00763	0.0077
79	1.34084	VIVA CUB	0.00131	-0.03056	0.00409
79	2.68169	VIVA CUB	0.00131	-0.06875	0.00048
79	0.	VCOMP	0.00105	0.00611	0.00616
79	1.34084	VCOMP	0.00105	-0.02445	0.00327
79	2.68169	VCOMP	0.00105	-0.055	0.00038
79	0.	VSUCC	-0.00105	-0.00611	-0.00616
79	1.34084	VSUCC	-0.00105	0.02445	-0.00327
79	2.68169	VSUCC	-0.00105	0.055	-0.00038
79	0.	MUERTA CUB	0.00184	0.01098	-0.00033
79	1.34084	MUERTA CUB	0.00184	-0.04419	9.442E-05
79	2.68169	MUERTA CUB	0.00184	-0.09935	0.00052
80	0.	DEAD	-0.0003	-0.01591	-0.01102
80	1.34084	DEAD	-0.0003	-0.00709	0.00833
80	2.68169	DEAD	-0.0003	0.00173	-0.01046
80	0.	VIVA CUB	-0.00131	-0.06875	0.00048
80	1.34084	VIVA CUB	-0.00131	-0.03056	0.00409
80	2.68169	VIVA CUB	-0.00131	0.00763	0.0077
80	0.	VCOMP	-0.00105	-0.055	0.00038
80	1.34084	VCOMP	-0.00105	-0.02445	0.00327
80	2.68169	VCOMP	-0.00105	0.00611	0.00616

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
80	0.	VSUCC	0.00105	0.055	-0.00038
80	1.34084	VSUCC	0.00105	0.02445	-0.00327
80	2.68169	VSUCC	0.00105	-0.00611	-0.00616
80	0.	MUERTA CUB	-0.00184	-0.09935	0.00052
80	1.34084	MUERTA CUB	-0.00184	-0.04419	9.442E-05
80	2.68169	MUERTA CUB	-0.00184	0.01098	-0.00033
81	0.	DEAD	0.00064	0.0033	-0.00574
81	1.34084	DEAD	0.00064	0.00171	0.00899
81	2.68169	DEAD	0.00064	0.00013	-0.01442
81	0.	VIVA CUB	0.00283	0.01424	0.00461
81	1.34084	VIVA CUB	0.00283	0.00728	0.00119
81	2.68169	VIVA CUB	0.00283	0.00032	-0.00223
81	0.	VCOMP	0.00226	0.01139	0.00369
81	1.34084	VCOMP	0.00226	0.00582	0.00095
81	2.68169	VCOMP	0.00226	0.00026	-0.00178
81	0.	VSUCC	-0.00226	-0.01139	-0.00369
81	1.34084	VSUCC	-0.00226	-0.00582	-0.00095
81	2.68169	VSUCC	-0.00226	-0.00026	0.00178
81	0.	MUERTA CUB	0.00394	0.02062	-0.00189
81	1.34084	MUERTA CUB	0.00394	0.01061	-0.00013
81	2.68169	MUERTA CUB	0.00394	0.00061	0.00163
82	0.	DEAD	-2.638E-05	-3.781E-06	-0.01686
82	0.4652	DEAD	-2.638E-05	0.00048	-0.00224
82	0.9304	DEAD	-2.638E-05	0.00097	0.01239
82	0.	VIVA CUB	-0.00013	2.041E-06	-0.0038
82	0.4652	VIVA CUB	-0.00013	0.00215	0.00015
82	0.9304	VIVA CUB	-0.00013	0.0041	0.0041
82	0.	VCOMP	-0.0001	1.633E-06	-0.00304
82	0.4652	VCOMP	-0.0001	0.00172	0.00012
82	0.9304	VCOMP	-0.0001	0.00344	0.00328
82	0.	VSUCC	0.0001	-1.633E-06	0.00304
82	0.4652	VSUCC	0.0001	-0.00172	-0.00012
82	0.9304	VSUCC	0.0001	-0.00344	-0.00328
82	0.	MUERTA CUB	-0.00015	-3.170E-05	0.00057
82	0.4652	MUERTA CUB	-0.00015	0.00078	0.00078
82	0.9304	MUERTA CUB	-0.00015	0.00059	0.00094
83	0.	DEAD	-0.00024	0.	0.
83	1.34084	DEAD	-0.00024	0.	0.00954
83	2.68169	DEAD	-0.00024	0.	-5.113E-18
83	0.	VIVA CUB	-0.00108	0.	0.
83	1.34084	VIVA CUB	-0.00108	0.	0.
83	2.68169	VIVA CUB	-0.00108	0.	0.
83	0.	VCOMP	-0.00086	0.	0.
83	1.34084	VCOMP	-0.00086	0.	0.
83	2.68169	VCOMP	-0.00086	0.	0.
83	0.	VSUCC	0.00086	0.	0.
83	1.34084	VSUCC	0.00086	0.	0.
83	2.68169	VSUCC	0.00086	0.	0.
83	0.	MUERTA CUB	-0.00151	0.	0.
83	1.34084	MUERTA CUB	-0.00151	0.	0.
83	2.68169	MUERTA CUB	-0.00151	0.	0.
84	0.	DEAD	0.00024	0.	0.
84	1.34084	DEAD	0.00024	0.	0.00954
84	2.68169	DEAD	0.00024	0.	-4.386E-18

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
84	0.	VIVA CUB	0.00108	0.	0.
84	1.34084	VIVA CUB	0.00108	0.	0.
84	2.68169	VIVA CUB	0.00108	0.	0.
84	0.	VCOMP	0.00086	0.	0.
84	1.34084	VCOMP	0.00086	0.	0.
84	2.68169	VCOMP	0.00086	0.	0.
84	0.	VSUCC	-0.00086	0.	0.
84	1.34084	VSUCC	-0.00086	0.	0.
84	2.68169	VSUCC	-0.00086	0.	0.
84	0.	MUERTA CUB	0.00151	0.	0.
84	1.34084	MUERTA CUB	0.00151	0.	0.
84	2.68169	MUERTA CUB	0.00151	0.	0.
85	0.	DEAD	6.291E-05	0.00103	-0.01078
85	1.33911	DEAD	6.291E-05	0.00103	0.0091
85	2.67821	DEAD	6.291E-05	0.00103	-0.00911
85	0.	VIVA CUB	0.00028	0.0045	-0.00327
85	1.33911	VIVA CUB	0.00028	0.0045	0.00126
85	2.67821	VIVA CUB	0.00028	0.0045	0.00579
85	0.	VCOMP	0.00023	0.0036	-0.00262
85	1.33911	VCOMP	0.00023	0.0036	0.00101
85	2.67821	VCOMP	0.00023	0.0036	0.00463
85	0.	VSUCC	-0.00023	-0.0036	0.00262
85	1.33911	VSUCC	-0.00023	-0.0036	-0.00101
85	2.67821	VSUCC	-0.00023	-0.0036	-0.00463
85	0.	MUERTA CUB	0.00038	0.00638	0.00035
85	1.33911	MUERTA CUB	0.00038	0.00638	-0.00024
85	2.67821	MUERTA CUB	0.00038	0.00638	-0.00083
86	0.	DEAD	3.197E-05	0.00121	-0.00911
86	1.33911	DEAD	3.197E-05	0.00121	0.00899
86	2.67821	DEAD	3.197E-05	0.00121	-0.01101
86	0.	VIVA CUB	0.00015	0.00527	0.00579
86	1.33911	VIVA CUB	0.00015	0.00527	0.00397
86	2.67821	VIVA CUB	0.00015	0.00527	0.00216
86	0.	VCOMP	0.00012	0.00421	0.00463
86	1.33911	VCOMP	0.00012	0.00421	0.00318
86	2.67821	VCOMP	0.00012	0.00421	0.00173
86	0.	VSUCC	-0.00012	-0.00421	-0.00463
86	1.33911	VSUCC	-0.00012	-0.00421	-0.00318
86	2.67821	VSUCC	-0.00012	-0.00421	-0.00173
86	0.	MUERTA CUB	0.00019	0.00747	-0.00083
86	1.33911	MUERTA CUB	0.00019	0.00747	-5.996E-05
86	2.67821	MUERTA CUB	0.00019	0.00747	0.00071
87	0.	DEAD	-3.197E-05	0.00121	-0.01101
87	1.33911	DEAD	-3.197E-05	0.00121	0.00899
87	2.67821	DEAD	-3.197E-05	0.00121	-0.00911
87	0.	VIVA CUB	-0.00015	0.00527	0.00216
87	1.33911	VIVA CUB	-0.00015	0.00527	0.00397
87	2.67821	VIVA CUB	-0.00015	0.00527	0.00579
87	0.	VCOMP	-0.00012	0.00421	0.00173
87	1.33911	VCOMP	-0.00012	0.00421	0.00318
87	2.67821	VCOMP	-0.00012	0.00421	0.00463
87	0.	VSUCC	0.00012	-0.00421	-0.00173
87	1.33911	VSUCC	0.00012	-0.00421	-0.00318
87	2.67821	VSUCC	0.00012	-0.00421	-0.00463

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
87	0.	MUERTA CUB	-0.00019	0.00747	0.00071
87	1.33911	MUERTA CUB	-0.00019	0.00747	-5.996E-05
87	2.67821	MUERTA CUB	-0.00019	0.00747	-0.00083
88	0.	DEAD	-6.291E-05	0.00103	-0.00911
88	1.33911	DEAD	-6.291E-05	0.00103	0.0091
88	2.67821	DEAD	-6.291E-05	0.00103	-0.01078
88	0.	VIVA CUB	-0.00028	0.0045	0.00579
88	1.33911	VIVA CUB	-0.00028	0.0045	0.00126
88	2.67821	VIVA CUB	-0.00028	0.0045	-0.00327
88	0.	VCOMP	-0.00023	0.0036	0.00463
88	1.33911	VCOMP	-0.00023	0.0036	0.00101
88	2.67821	VCOMP	-0.00023	0.0036	-0.00262
88	0.	VSUCC	0.00023	-0.0036	-0.00463
88	1.33911	VSUCC	0.00023	-0.0036	-0.00101
88	2.67821	VSUCC	0.00023	-0.0036	0.00262
88	0.	MUERTA CUB	-0.00038	0.00638	-0.00083
88	1.33911	MUERTA CUB	-0.00038	0.00638	-0.00024
88	2.67821	MUERTA CUB	-0.00038	0.00638	0.00035
89	0.	DEAD	0.00018	0.	-5.688E-19
89	0.95	DEAD	0.00018	0.	0.
89	0.	VIVA CUB	0.00078	0.	0.
89	0.475	VIVA CUB	0.00078	0.	0.
89	0.95	VIVA CUB	0.00078	0.	0.
89	0.	VCOMP	0.00062	0.	0.
89	0.475	VCOMP	0.00062	0.	0.
89	0.95	VCOMP	0.00062	0.	0.
89	0.	VSUCC	-0.00062	0.	0.
89	0.475	VSUCC	-0.00062	0.	0.
89	0.95	VSUCC	-0.00062	0.	0.
89	0.	MUERTA CUB	0.0011	0.	0.
89	0.475	MUERTA CUB	0.0011	0.	0.
89	0.95	MUERTA CUB	0.0011	0.	0.
89	0.	DEAD	-0.00018	0.	0.
90	0.475	DEAD	-0.00018	0.	0.
90	0.95	DEAD	-0.00018	0.	0.
90	0.	VIVA CUB	-0.00078	0.	0.
90	0.475	VIVA CUB	-0.00078	0.	0.
90	0.95	VIVA CUB	-0.00078	0.	0.
90	0.	VCOMP	-0.00062	0.	0.
90	0.475	VCOMP	-0.00062	0.	0.
90	0.95	VCOMP	-0.00062	0.	0.
90	0.	VSUCC	0.00062	0.	0.
90	0.475	VSUCC	0.00062	0.	0.
90	0.95	VSUCC	0.00062	0.	0.
90	0.	MUERTA CUB	-0.0011	0.	0.
90	0.475	MUERTA CUB	-0.0011	0.	0.
90	0.95	MUERTA CUB	-0.0011	0.	0.
91	0.	DEAD	0.	0.	0.
91	0.4848	DEAD	0.	0.	0.
91	0.9696	DEAD	0.	0.	0.
91	0.	VIVA CUB	-6.358E-20	0.	0.
91	0.4848	VIVA CUB	-6.358E-20	0.	0.
91	0.9696	VIVA CUB	-6.358E-20	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
91	0.	VCOMP	-1.174E-19	0.	0.
91	0.4848	VCOMP	-1.174E-19	0.	0.
91	0.9696	VCOMP	-1.174E-19	0.	0.
91	0.	VSUCC	1.174E-19	0.	0.
91	0.4848	VSUCC	1.174E-19	0.	0.
91	0.9696	VSUCC	1.174E-19	0.	0.
91	0.	MUERTA CUB	-4.095E-19	0.	0.
91	0.4848	MUERTA CUB	-4.095E-19	0.	0.
91	0.9696	MUERTA CUB	-4.095E-19	0.	0.
94	0.	DEAD	1.084E-19	0.	-0.00247
94	0.24148	DEAD	1.084E-19	2.094E-19	-0.00062
94	0.48296	DEAD	1.084E-19	4.189E-19	1.046E-17
94	0.	VIVA CUB	6.505E-19	3.469E-18	-1.388E-17
94	0.24148	VIVA CUB	6.505E-19	1.183E-19	-7.175E-18
94	0.48296	VIVA CUB	6.505E-19	-2.333E-18	-4.730E-19
94	0.	VCOMP	8.674E-19	6.939E-18	-1.388E-17
94	0.24148	VCOMP	8.674E-19	3.588E-18	-7.175E-18
94	0.48296	VCOMP	8.674E-19	2.365E-19	-4.730E-19
94	0.	VSUCC	-8.674E-19	-6.939E-18	1.388E-17
94	0.24148	VSUCC	-8.674E-19	-3.588E-18	7.175E-18
94	0.48296	VSUCC	-8.674E-19	-2.365E-19	4.730E-19
94	0.	MUERTA CUB	6.505E-19	6.939E-18	0.
94	0.24148	MUERTA CUB	6.505E-19	6.939E-18	0.
94	0.48296	MUERTA CUB	6.505E-19	6.939E-18	0.
95	0.	DEAD	-8.132E-20	0.	-6.072E-18
95	0.24148	DEAD	-8.132E-20	2.094E-19	-0.00062
95	0.48296	DEAD	-8.132E-20	4.189E-19	-0.00247
95	0.	VIVA CUB	-4.337E-19	0.	-2.255E-17
95	0.24148	VIVA CUB	-4.337E-19	0.	4.258E-18
95	0.48296	VIVA CUB	-4.337E-19	0.	3.107E-17
95	0.	VCOMP	-4.337E-19	-3.469E-18	-4.337E-19
95	0.24148	VCOMP	-4.337E-19	-2.632E-18	6.269E-18
95	0.48296	VCOMP	-4.337E-19	-1.794E-18	1.297E-17
95	0.	VSUCC	4.337E-19	3.469E-18	4.337E-19
95	0.24148	VSUCC	4.337E-19	2.632E-18	-6.269E-18
95	0.48296	VSUCC	4.337E-19	1.794E-18	-1.297E-17
95	0.	MUERTA CUB	-2.168E-19	1.735E-18	1.016E-19
95	0.24148	MUERTA CUB	-2.168E-19	5.086E-18	-1.602E-19
95	0.48296	MUERTA CUB	-2.168E-19	8.437E-18	-4.220E-19
96	0.	DEAD	-0.00017	-9.436E-05	0.01883
96	0.4652	DEAD	-0.00017	-0.00189	0.00269
96	0.9304	DEAD	-0.00017	-0.00369	-0.01346
96	0.	VIVA CUB	-0.00077	-0.00048	0.0127
96	0.4652	VIVA CUB	-0.00077	-0.00093	0.00169
96	0.9304	VIVA CUB	-0.00077	-0.01617	-0.00932
96	0.	VCOMP	-0.00062	-0.00038	0.01016
96	0.4652	VCOMP	-0.00062	-0.00666	0.00135
96	0.9304	VCOMP	-0.00062	-0.01294	-0.00746
96	0.	VSUCC	0.00062	0.00038	-0.01016
96	0.4652	VSUCC	0.00062	0.00666	-0.00135
96	0.9304	VSUCC	0.00062	0.01294	0.00746
96	0.	MUERTA CUB	-0.00101	-0.00059	0.01184
96	0.4652	MUERTA CUB	-0.00101	-0.01171	0.00181
96	0.9304	MUERTA CUB	-0.00101	-0.02285	-0.00821

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
97	0.	DEAD	0.00247	0.00094	-0.01644
97	1.34084	DEAD	0.00247	-0.0075	0.00957
97	2.68169	DEAD	0.00247	-0.01595	-0.00257
97	0.	VIVA CUB	0.0108	0.00565	-0.01107
97	1.34084	VIVA CUB	0.0108	-0.03167	0.00383
97	2.68169	VIVA CUB	0.0108	-0.06899	0.01873
97	0.	VCOMP	0.00864	0.00452	-0.00885
97	1.34084	VCOMP	0.00864	-0.02534	0.00307
97	2.68169	VCOMP	0.00864	-0.05519	0.01498
97	0.	VSUCC	-0.00864	-0.00452	0.00885
97	1.34084	VSUCC	-0.00864	0.02534	-0.00307
97	2.68169	VSUCC	-0.00864	0.05519	-0.01498
97	0.	MUERTA CUB	0.01526	0.00736	-0.01071
97	1.34084	MUERTA CUB	0.01526	-0.0465	0.00356
97	2.68169	MUERTA CUB	0.01526	-0.10037	0.01783
98	0.	DEAD	-0.00063	-0.01955	-0.00695
98	1.34084	DEAD	-0.00063	0.03298	0.01001
98	2.68169	DEAD	-0.00063	0.08552	-0.01118
98	0.	VIVA CUB	-0.0028	-0.08202	0.02337
98	1.34084	VIVA CUB	-0.0028	0.13994	0.01156
98	2.68169	VIVA CUB	-0.0028	0.36191	-0.00026
98	0.	VCOMP	-0.00224	-0.06562	0.0187
98	1.34084	VCOMP	-0.00224	0.11195	0.00925
98	2.68169	VCOMP	-0.00224	0.28953	-0.00021
98	0.	VSUCC	0.00224	0.06562	-0.0187
98	1.34084	VSUCC	0.00224	-0.11195	-0.00925
98	2.68169	VSUCC	0.00224	-0.28953	0.00021
98	0.	MUERTA CUB	-0.00384	-0.12127	0.02155
98	1.34084	MUERTA CUB	-0.00384	0.20572	0.01058
98	2.68169	MUERTA CUB	-0.00384	0.5327	-0.0004
99	0.	DEAD	0.00063	0.08552	-0.01118
99	1.34084	DEAD	0.00063	0.03298	0.01001
99	2.68169	DEAD	0.00063	-0.01955	-0.00695
99	0.	VIVA CUB	0.0108	0.36191	-0.00026
99	1.34084	VIVA CUB	0.0028	0.13994	0.01156
99	2.68169	VIVA CUB	0.0028	-0.08202	0.02337
99	0.	VCOMP	0.00224	0.28953	-0.00021
99	1.34084	VCOMP	0.00224	0.11195	0.00925
99	2.68169	VCOMP	0.00224	-0.06562	0.0187
99	0.	VSUCC	-0.00224	-0.28953	0.00021
99	1.34084	VSUCC	-0.00224	-0.11195	-0.00925
99	2.68169	VSUCC	-0.00224	0.08552	-0.0187
99	0.	MUERTA CUB	0.00384	0.5327	0.0004
99	1.34084	MUERTA CUB	0.00384	0.20572	0.01058
99	2.68169	MUERTA CUB	0.00384	-0.12127	0.02155
100	0.	DEAD	-0.00247	-0.01595	-0.00257
100	1.34084	DEAD	-0.00247	-0.0075	0.00957
100	2.68169	DEAD	-0.00247	0.00094	-0.01644
100	0.	VIVA CUB	-0.0108	-0.06899	0.01873
100	1.34084	VIVA CUB	-0.0108	0.03167	0.00383
100	2.68169	VIVA CUB	-0.0108	0.00565	-0.01107
100	0.	VCOMP	-0.00864	-0.05519	0.01498
100	1.34084	VCOMP	-0.00864	-0.02534	0.00307
100	2.68169	VCOMP	-0.00864	0.00452	-0.00885

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
100	0.	VSUCC	0.00864	0.05519	-0.01498
100	1.34084	VSUCC	0.00864	0.02524	-0.00307
100	2.68169	VSUCC	0.00864	-0.00452	0.00895
100	0.	MUERTA CUB	-0.01526	-0.10037	0.01783
100	1.34084	MUERTA CUB	-0.01526	-0.0465	0.00356
100	2.68169	MUERTA CUB	-0.01526	0.00736	-0.01071
101	0.	DEAD	0.00017	-9.436E-05	-0.01883
101	0.4652	DEAD	0.00017	-0.00189	-0.00269
101	0.9304	DEAD	0.00017	-0.00369	0.01346
101	0.	VIVA CUB	0.00077	-0.00048	-0.01127
101	0.4652	VIVA CUB	0.00077	-0.00833	-0.00169
101	0.9304	VIVA CUB	0.00077	-0.01617	0.00932
101	0.	VCOMP	0.00062	-0.00038	-0.01016
101	0.4652	VCOMP	0.00062	-0.00666	-0.00135
101	0.9304	VCOMP	0.00062	-0.01294	0.00746
101	0.	VSUCC	-0.00062	0.00038	0.01016
101	0.4652	VSUCC	-0.00062	0.00666	0.00135
101	0.9304	VSUCC	-0.00062	0.01294	-0.00746
101	0.	MUERTA CUB	0.00101	-0.00058	-0.01184
101	0.4652	MUERTA CUB	0.00101	-0.01171	-0.00181
101	0.9304	MUERTA CUB	0.00101	-0.02285	0.00821
102	0.	DEAD	0.00092	0.	0.
102	1.34084	DEAD	0.00092	0.	0.00954
102	2.68169	DEAD	0.00092	0.	-5.113E-18
102	0.	VIVA CUB	0.004	0.	0.
102	1.34084	VIVA CUB	0.004	0.	0.
102	2.68169	VIVA CUB	0.004	0.	0.
102	0.	VCOMP	0.0032	0.	0.
102	1.34084	VCOMP	0.0032	0.	0.
102	2.68169	VCOMP	0.0032	0.	0.
102	0.	VSUCC	-0.0032	0.	0.
102	1.34084	VSUCC	-0.0032	0.	0.
102	2.68169	VSUCC	-0.0032	0.	0.
102	0.	MUERTA CUB	0.00568	0.	0.
102	1.34084	MUERTA CUB	0.00568	0.	0.
102	2.68169	MUERTA CUB	0.00568	0.	0.
103	0.	DEAD	-0.00092	0.	0.
103	1.34084	DEAD	-0.00092	0.	0.00954
103	2.68169	DEAD	-0.00092	0.	-4.386E-18
103	0.	VIVA CUB	-0.004	0.	0.
103	1.34084	VIVA CUB	-0.004	0.	0.
103	2.68169	VIVA CUB	-0.004	0.	0.
103	0.	VCOMP	-0.0032	0.	0.
103	1.34084	VCOMP	-0.0032	0.	0.
103	2.68169	VCOMP	-0.0032	0.	0.
103	0.	VSUCC	0.0032	0.	0.
103	1.34084	VSUCC	0.0032	0.	0.
103	2.68169	VSUCC	0.0032	0.	0.
103	0.	MUERTA CUB	-0.00568	0.	0.
103	1.34084	MUERTA CUB	-0.00568	0.	0.
103	2.68169	MUERTA CUB	-0.00568	0.	0.
104	0.	DEAD	-0.00027	-0.00365	-0.01239
104	1.33911	DEAD	-0.00027	-0.00365	0.00979
104	2.67821	DEAD	-0.00027	-0.00365	-0.00612

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
104	0.	VIVA CUB	-0.00121	-0.01578	-0.01051
104	1.33911	VIVA CUB	-0.00121	-0.01578	0.00434
104	2.67821	VIVA CUB	-0.00121	-0.01578	0.01919
104	0.	VCOMP	-0.00097	-0.01263	-0.00841
104	1.33911	VCOMP	-0.00097	-0.01263	0.00347
104	2.67821	VCOMP	-0.00097	-0.01263	0.01535
104	0.	VSUCC	0.00097	0.01263	0.00841
104	1.33911	VSUCC	0.00097	0.01263	-0.00347
104	2.67821	VSUCC	0.00097	0.01263	-0.01535
104	0.	MUERTA CUB	-0.00168	-0.02263	-0.00975
104	1.33911	MUERTA CUB	-0.00168	-0.02263	0.00407
104	2.67821	MUERTA CUB	-0.00168	-0.02263	0.01788
105	0.	DEAD	-0.00016	-0.0043	-0.00612
105	1.33911	DEAD	-0.00016	-0.0043	0.01071
105	2.67821	DEAD	-0.00016	-0.0043	-0.01056
105	0.	VIVA CUB	-0.00072	-0.01858	0.01919
105	1.33911	VIVA CUB	-0.00072	-0.01858	0.01165
105	2.67821	VIVA CUB	-0.00072	-0.01858	0.00412
105	0.	VCOMP	-0.00058	-0.01486	0.01535
105	1.33911	VCOMP	-0.00058	-0.01486	0.00932
105	2.67821	VCOMP	-0.00058	-0.01486	0.00329
105	0.	VSUCC	0.00058	0.01486	-0.01535
105	1.33911	VSUCC	0.00058	0.01486	-0.00932
105	2.67821	VSUCC	0.00058	0.01486	-0.00329
105	0.	MUERTA CUB	-0.00097	-0.02666	0.01788
105	1.33911	MUERTA CUB	-0.00097	-0.02666	0.01072
105	2.67821	MUERTA CUB	-0.00097	-0.02666	0.00355
106	0.	DEAD	0.00016	-0.0043	-0.01056
106	1.33911	DEAD	0.00016	-0.0043	0.01071
106	2.67821	DEAD	0.00016	-0.0043	-0.00612
106	0.	VIVA CUB	0.00072	-0.01858	0.00412
106	1.33911	VIVA CUB	0.00072	-0.01858	0.01165
106	2.67821	VIVA CUB	0.00072	-0.01858	0.01919
106	0.	VCOMP	0.00058	-0.01486	0.00329
106	1.33911	VCOMP	0.00058	-0.01486	0.00932
106	2.67821	VCOMP	0.00058	-0.01486	0.01535
106	0.	VSUCC	-0.00058	0.01486	-0.00329
106	1.33911	VSUCC	-0.00058	0.01486	-0.00932
106	2.67821	VSUCC	-0.00058	0.01486	-0.01535
106	0.	MUERTA CUB	0.00097	-0.02666	0.00355
106	1.33911	MUERTA CUB	0.00097	-0.02666	0.01072
106	2.67821	MUERTA CUB	0.00097	-0.02666	0.01788
107	0.	DEAD	0.00027	-0.00365	-0.00612
107	1.33911	DEAD	0.00027	-0.00365	0.00979
107	2.67821	DEAD	0.00027	-0.00365	-0.01239
107	0.	VIVA CUB	0.00121	-0.01578	0.01919
107	1.33911	VIVA CUB	0.00121	-0.01578	0.00434
107	2.67821	VIVA CUB	0.00121	-0.01578	-0.01051
107	0.	VCOMP	0.00097	-0.01263	0.01535
107	1.33911	VCOMP	0.00097	-0.01263	0.00347
107	2.67821	VCOMP	0.00097	-0.01263	-0.00841
107	0.	VSUCC	-0.00097	0.01263	-0.01535
107	1.33911	VSUCC	-0.00097	0.01263	-0.00347
107	2.67821	VSUCC	-0.00097	0.01263	0.00841

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
107	0.	MUERTA CUB	0.00168	-0.02263	0.01788
107	1.33911	MUERTA CUB	0.00168	-0.02263	0.00407
107	2.67821	MUERTA CUB	0.00168	-0.02263	-0.00975
108	0.	DEAD	-0.00066	0.	-5.688E-19
108	0.475	DEAD	-0.00066	0.	0.
108	0.95	DEAD	-0.00066	0.	0.
108	0.	VIVA CUB	-0.00283	0.	0.
108	0.475	VIVA CUB	-0.00283	0.	0.
108	0.95	VIVA CUB	-0.00283	0.	0.
108	0.	VCOMP	-0.00227	0.	0.
108	0.475	VCOMP	-0.00227	0.	0.
108	0.95	VCOMP	-0.00227	0.	0.
108	0.	VSUCC	0.00227	0.	0.
108	0.475	VSUCC	0.00227	0.	0.
108	0.95	VSUCC	0.00227	0.	0.
108	0.	MUERTA CUB	-0.00408	0.	0.
108	0.475	MUERTA CUB	-0.00408	0.	0.
108	0.95	MUERTA CUB	-0.00408	0.	0.
109	0.	DEAD	0.00066	0.	0.
109	0.475	DEAD	0.00066	0.	0.
109	0.95	DEAD	0.00066	0.	0.
109	0.	VIVA CUB	0.00283	0.	0.
109	0.475	VIVA CUB	0.00283	0.	0.
109	0.95	VIVA CUB	0.00283	0.	0.
109	0.	VCOMP	0.00227	0.	0.
109	0.475	VCOMP	0.00227	0.	0.
109	0.95	VCOMP	0.00227	0.	0.
109	0.	VSUCC	-0.00227	0.	0.
109	0.475	VSUCC	-0.00227	0.	0.
109	0.95	VSUCC	-0.00227	0.	0.
109	0.	MUERTA CUB	0.00408	0.	0.
109	0.475	MUERTA CUB	0.00408	0.	0.
109	0.95	MUERTA CUB	0.00408	0.	0.
110	0.	DEAD	-3.244E-18	0.	0.
110	0.4848	DEAD	-3.244E-18	0.	0.
110	0.9696	DEAD	-3.244E-18	0.	0.
110	0.	VIVA CUB	-1.341E-17	0.	0.
110	0.4848	VIVA CUB	-1.341E-17	0.	0.
110	0.9696	VIVA CUB	-1.341E-17	0.	0.
110	0.	VCOMP	-1.105E-17	0.	0.
110	0.4848	VCOMP	-1.105E-17	0.	0.
110	0.9696	VCOMP	-1.105E-17	0.	0.
110	0.	VSUCC	1.105E-17	0.	0.
110	0.4848	VSUCC	1.105E-17	0.	0.
110	0.9696	VSUCC	1.105E-17	0.	0.
110	0.	MUERTA CUB	-1.968E-17	0.	0.
110	0.4848	MUERTA CUB	-1.968E-17	0.	0.
110	0.9696	MUERTA CUB	-1.968E-17	0.	0.
113	0.	DEAD	-4.879E-19	0.	-0.00247
113	0.24148	DEAD	-4.879E-19	-8.378E-19	-0.00062
113	0.48296	DEAD	-4.879E-19	-1.676E-18	1.132E-17
113	0.	VIVA CUB	-3.036E-18	4.163E-17	2.776E-17
113	0.24148	VIVA CUB	-3.036E-18	2.153E-17	4.116E-17
113	0.48296	VIVA CUB	-3.036E-18	1.419E-18	5.457E-17

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
113	0.	VCOMP	-2.168E-18	-1.388E-17	2.776E-17
113	0.24148	VCOMP	-2.168E-18	-1.723E-17	9.460E-19
113	0.48296	VCOMP	-2.168E-18	-2.058E-17	-2.586E-17
113	0.	VSUCC	2.168E-18	1.388E-17	-2.776E-17
113	0.24148	VSUCC	2.168E-18	1.723E-17	-9.460E-19
113	0.48296	VSUCC	2.168E-18	2.058E-17	2.586E-17
113	0.	MUERTA CUB	-0.036E-18	0.	5.551E-17
113	0.24148	MUERTA CUB	-0.036E-18	6.702E-18	1.530E-17
113	0.48296	MUERTA CUB	-0.036E-18	1.340E-17	-2.492E-17
114	0.	DEAD	-8.674E-19	3.469E-18	3.469E-18
114	0.24148	DEAD	-8.674E-19	5.983E-18	-0.00062
114	0.48296	DEAD	-8.674E-19	8.496E-18	-0.00247
114	0.	VIVA CUB	-4.120E-18	0.	-2.429E-17
114	0.24148	VIVA CUB	-4.120E-18	1.005E-17	6.955E-17
114	0.48296	VIVA CUB	-4.120E-18	2.011E-17	1.634E-16
114	0.	VCOMP	-3.253E-18	6.939E-18	1.214E-17
114	0.24148	VCOMP	-3.253E-18	3.588E-18	5.236E-17
114	0.48296	VCOMP	-3.253E-18	2.365E-19	9.257E-17
114	0.	VSUCC	3.253E-18	-6.939E-18	-1.214E-17
114	0.24148	VSUCC	3.253E-18	-3.588E-18	-5.236E-17
114	0.48296	VSUCC	3.253E-18	-2.365E-19	-9.257E-17
114	0.	MUERTA CUB	-4.770E-18	2.776E-17	-3.296E-17
114	0.24148	MUERTA CUB	-4.770E-18	2.776E-17	6.087E-17
114	0.48296	MUERTA CUB	-4.770E-18	2.776E-17	1.547E-16
114	0.	DEAD	-8.879E-18	-0.00437	-0.0752
134	0.472	DEAD	-8.879E-18	-0.0035	-0.0549
134	0.944	DEAD	-8.879E-18	-0.00262	-0.03658
134	1.416	DEAD	-8.879E-18	-0.00174	-0.00205
134	1.888	DEAD	-8.879E-18	-0.00087	-0.0059
134	2.36	DEAD	-8.879E-18	1.009E-05	0.00645
134	0.	VIVA CUB	-1.258E-17	-0.01654	-0.36269
134	0.472	VIVA CUB	-1.258E-17	-0.01331	-0.22678
134	0.944	VIVA CUB	-1.258E-17	-0.01098	-0.12395
134	1.416	VIVA CUB	-1.258E-17	-0.00685	-0.04519
134	1.888	VIVA CUB	-1.258E-17	-0.00362	0.00048
134	2.36	VIVA CUB	-1.258E-17	-0.00309	0.01609
134	0.	VCOMP	-9.541E-18	-0.01323	-0.29015
134	0.472	VCOMP	-9.541E-18	-0.01065	-0.18142
134	0.944	VCOMP	-9.541E-18	-0.00806	-0.08676
134	1.416	VCOMP	-9.541E-18	-0.00549	-0.03616
134	1.888	VCOMP	-9.541E-18	-0.0029	0.00039
134	2.36	VCOMP	-9.541E-18	-0.00031	0.01287
134	0.	VSUCC	9.541E-18	0.01323	0.29015
134	0.472	VSUCC	9.541E-18	0.01065	0.18142
134	0.944	VSUCC	9.541E-18	0.00806	0.08676
134	1.416	VSUCC	9.541E-18	0.00549	0.03616
134	1.888	VSUCC	9.541E-18	0.0029	-0.00039
134	2.36	VSUCC	9.541E-18	0.00031	-0.01287
134	0.	MUERTA CUB	-3.123E-17	-0.02538	-0.47204
134	0.472	MUERTA CUB	-3.123E-17	-0.02027	-0.33798
134	0.944	MUERTA CUB	-3.123E-17	-0.01516	-0.21957
134	1.416	MUERTA CUB	-3.123E-17	-0.0095	-0.11648
134	1.888	MUERTA CUB	-3.123E-17	-0.00495	-0.02966
134	2.36	MUERTA CUB	-3.123E-17	0.00016	0.04183

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
135	0.	DEAD	0.00043	-0.00478	-0.06844
135	0.486	DEAD	0.00043	-0.00357	-0.04899
135	0.972	DEAD	0.00043	-0.00236	-0.03164
135	1.458	DEAD	0.00043	-0.00115	-0.0164
135	1.944	DEAD	0.00043	5.912E-05	-0.00327
135	2.43	DEAD	0.00043	0.00127	0.00775
135	0.	VIVA CUB	0.00126	-0.02021	-0.33408
135	0.486	VIVA CUB	0.00126	-0.01506	-0.20674
135	0.972	VIVA CUB	0.00126	-0.00991	-0.11128
135	1.458	VIVA CUB	0.00126	-0.00476	-0.04771
135	1.944	VIVA CUB	0.00126	-0.00038	-0.01603
135	2.43	VIVA CUB	0.00126	0.00553	-0.01623
135	0.	VCOMP	0.00101	-0.01617	-0.26727
135	0.486	VCOMP	0.00101	-0.01205	-0.16539
135	0.972	VCOMP	0.00101	-0.00793	-0.08903
135	1.458	VCOMP	0.00101	-0.00381	-0.03817
135	1.944	VCOMP	0.00101	0.00031	-0.01282
135	2.43	VCOMP	0.00101	0.00443	-0.01299
135	0.	VSUCC	-0.00101	0.01617	0.26727
135	0.486	VSUCC	-0.00101	0.01205	0.16539
135	0.972	VSUCC	-0.00101	0.00793	0.08903
135	1.458	VSUCC	-0.00101	0.00381	0.03817
135	1.944	VSUCC	-0.00101	-0.00031	0.01282
135	2.43	VSUCC	-0.00101	-0.00443	0.01299
135	0.	MUERTA CUB	0.0019	-0.02964	-0.43057
135	0.486	MUERTA CUB	0.0019	-0.02213	-0.30324
135	0.972	MUERTA CUB	0.0019	-0.01462	-0.19248
135	1.458	MUERTA CUB	0.0019	-0.00711	-0.09831
135	1.944	MUERTA CUB	0.0019	0.00039	-0.02072
135	2.43	MUERTA CUB	0.0019	0.0079	0.04029
136	0.	DEAD	5.180E-06	0.00054	0.00596
136	0.486	DEAD	5.180E-06	0.00061	0.01015
136	0.972	DEAD	5.180E-06	0.00069	0.01223
136	1.458	DEAD	5.180E-06	0.00076	0.01221
136	1.944	DEAD	5.180E-06	0.00083	0.01008
136	2.43	DEAD	5.180E-06	0.00091	0.00585
136	0.	VIVA CUB	2.625E-05	0.00197	-0.02362
136	0.486	VIVA CUB	2.625E-05	0.0024	0.04038
136	0.972	VIVA CUB	2.625E-05	0.00283	0.0725
136	1.458	VIVA CUB	2.625E-05	0.00326	0.07274
136	1.944	VIVA CUB	2.625E-05	0.00369	0.04108
136	2.43	VIVA CUB	2.625E-05	0.00411	-0.02245
136	0.	VCOMP	2.100E-05	0.00158	-0.0189
136	0.486	VCOMP	2.100E-05	0.00192	0.03231
136	0.972	VCOMP	2.100E-05	0.00226	0.058
136	1.458	VCOMP	2.100E-05	0.00261	0.05819
136	1.944	VCOMP	2.100E-05	0.00295	0.03287
136	2.43	VCOMP	2.100E-05	0.00329	-0.01796
136	0.	VSUCC	-2.100E-05	-0.00158	0.0189
136	0.486	VSUCC	-2.100E-05	-0.00192	-0.03231
136	0.972	VSUCC	-2.100E-05	-0.00226	-0.058
136	1.458	VSUCC	-2.100E-05	-0.00261	-0.05819
136	1.944	VSUCC	-2.100E-05	-0.00295	-0.03287
136	2.43	VSUCC	-2.100E-05	-0.00329	0.01796

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
136	0.	MUERTA CUB	1.816E-05	0.00033	0.02925
136	0.486	MUERTA CUB	1.816E-05	0.00377	0.06235
136	0.972	MUERTA CUB	1.816E-05	0.00424	0.07886
136	1.458	MUERTA CUB	1.816E-05	0.00471	0.0788
136	1.944	MUERTA CUB	1.816E-05	0.00518	0.06215
136	2.43	MUERTA CUB	1.816E-05	0.00565	0.02892
137	0.	DEAD	-0.00034	0.00102	0.00796
137	0.486	DEAD	-0.00034	-0.00012	-0.00324
137	0.972	DEAD	-0.00034	-0.00125	-0.01655
137	1.458	DEAD	-0.00034	-0.00228	-0.03197
137	1.944	DEAD	-0.00034	-0.00352	-0.04949
137	2.43	DEAD	-0.00034	-0.00465	-0.06912
137	0.	VIVA CUB	-0.00151	0.00426	-0.01304
137	0.486	VIVA CUB	-0.00151	-0.00057	-0.01577
137	0.972	VIVA CUB	-0.00151	-0.00541	-0.05038
137	1.458	VIVA CUB	-0.00151	-0.01024	-0.11688
137	1.944	VIVA CUB	-0.00151	-0.01508	-0.21527
137	2.43	VIVA CUB	-0.00151	-0.01992	-0.34565
137	0.	VCOMP	-0.00121	0.00341	-0.01043
137	0.486	VCOMP	-0.00121	-0.00046	-0.01261
137	0.972	VCOMP	-0.00121	-0.00433	-0.04031
137	1.458	VCOMP	-0.00121	-0.0082	-0.09351
137	1.944	VCOMP	-0.00121	-0.01206	-0.17222
137	2.43	VCOMP	-0.00121	-0.01593	-0.27644
137	0.	VSUCC	0.00121	-0.00341	0.01043
137	0.486	VSUCC	0.00121	0.00046	0.01261
137	0.972	VSUCC	0.00121	0.00433	0.04031
137	1.458	VSUCC	0.00121	0.0082	0.09351
137	1.944	VSUCC	0.00121	0.01206	0.17222
137	2.43	VSUCC	0.00121	0.01593	0.27644
137	0.	MUERTA CUB	-0.00212	0.00632	0.04199
137	0.486	MUERTA CUB	-0.00212	-0.00072	-0.02046
137	0.972	MUERTA CUB	-0.00212	-0.00777	-0.09948
137	1.458	MUERTA CUB	-0.00212	-0.01481	-0.19508
137	1.944	MUERTA CUB	-0.00212	-0.02185	-0.30727
137	2.43	MUERTA CUB	-0.00212	-0.0289	-0.43603
138	0.	DEAD	4.770E-18	0.00433	-0.07838
138	0.486	DEAD	4.770E-18	0.00346	-0.05721
138	0.972	DEAD	4.770E-18	0.00258	-0.03814
138	1.458	DEAD	4.770E-18	0.00171	-0.02118
138	1.944	DEAD	4.770E-18	0.00084	-0.00633
138	2.43	DEAD	4.770E-18	-3.392E-05	0.00842
138	0.	VIVA CUB	1.214E-17	0.01671	-0.38563
138	0.486	VIVA CUB	1.214E-17	0.01344	-0.24158
138	0.972	VIVA CUB	1.214E-17	0.01016	-0.12941
138	1.458	VIVA CUB	1.214E-17	0.00688	-0.04913
138	1.944	VIVA CUB	1.214E-17	0.0036	-0.00073
138	2.43	VIVA CUB	1.214E-17	0.00032	0.01577
138	0.	VCOMP	9.324E-18	0.01337	-0.30851
138	0.486	VCOMP	9.324E-18	0.01075	-0.18326
138	0.972	VCOMP	9.324E-18	0.00813	-0.10353
138	1.458	VCOMP	9.324E-18	0.0055	-0.0393
138	1.944	VCOMP	9.324E-18	0.00288	-0.00059
138	2.43	VCOMP	9.324E-18	0.00026	0.01262

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
138	0.	VSUCC	-9.324E-18	-0.01337	0.30851
138	0.486	VSUCC	-9.324E-18	-0.01075	0.19326
138	0.972	VSUCC	-9.324E-18	-0.00813	0.10353
138	1.458	VSUCC	-9.324E-18	-0.0055	0.0393
138	1.944	VSUCC	-9.324E-18	-0.00288	0.00059
138	2.43	VSUCC	-9.324E-18	-0.00026	0.01262
138	0.	MUERTA CUB	3.123E-17	0.02528	-0.49304
138	0.486	MUERTA CUB	3.123E-17	0.02016	-0.3529
138	0.972	MUERTA CUB	3.123E-17	0.01504	-0.22934
138	1.458	MUERTA CUB	3.123E-17	0.00992	-0.12235
138	1.944	MUERTA CUB	3.123E-17	0.0048	-0.03195
138	2.43	MUERTA CUB	3.123E-17	-0.00032	0.04187
144	0.	DEAD	1.193E-18	0.00437	-0.0752
144	0.472	DEAD	1.193E-18	0.0035	-0.0549
144	0.944	DEAD	1.193E-18	0.00262	-0.03658
144	1.416	DEAD	1.193E-18	0.00174	-0.02025
144	1.888	DEAD	1.193E-18	0.00087	-0.0059
144	2.36	DEAD	1.193E-18	-1.009E-05	0.00645
144	0.	VIVA CUB	3.036E-18	0.01654	-0.36209
144	0.472	VIVA CUB	3.036E-18	0.01331	-0.22678
144	0.944	VIVA CUB	3.036E-18	0.01008	-0.12095
144	1.416	VIVA CUB	3.036E-18	0.00685	-0.04519
144	1.888	VIVA CUB	3.036E-18	0.00362	0.00048
144	2.36	VIVA CUB	3.036E-18	0.00039	0.01609
144	0.	VCOMP	2.602E-18	0.01323	-0.29015
144	0.472	VCOMP	2.602E-18	0.01065	-0.18142
144	0.944	VCOMP	2.602E-18	0.00806	-0.09676
144	1.416	VCOMP	2.602E-18	0.00548	-0.03616
144	1.888	VCOMP	2.602E-18	0.0029	0.00039
144	2.36	VCOMP	2.602E-18	0.00031	0.01287
144	0.	VSUCC	-2.602E-18	-0.01323	0.29015
144	0.472	VSUCC	-2.602E-18	-0.01065	0.18142
144	0.944	VSUCC	-2.602E-18	-0.00806	0.09676
144	1.416	VSUCC	-2.602E-18	-0.00548	0.03616
144	1.888	VSUCC	-2.602E-18	-0.0029	-0.00039
144	2.36	VSUCC	-2.602E-18	-0.00031	-0.01287
144	0.	MUERTA CUB	8.240E-18	0.02538	-0.47204
144	0.472	MUERTA CUB	8.240E-18	0.02027	-0.33798
144	0.944	MUERTA CUB	8.240E-18	0.01516	-0.21957
144	1.416	MUERTA CUB	8.240E-18	0.01005	-0.1168
144	1.888	MUERTA CUB	8.240E-18	0.00495	-0.02966
144	2.36	MUERTA CUB	8.240E-18	-0.00016	0.04183
145	0.	DEAD	-0.00043	0.00478	-0.06844
145	0.486	DEAD	-0.00043	-0.00357	-0.04899
145	0.972	DEAD	-0.00043	-0.00236	-0.03164
145	1.458	DEAD	-0.00043	-0.00115	-0.0164
145	1.944	DEAD	-0.00043	5.912E-05	-0.00327
145	2.43	DEAD	-0.00043	-0.00127	0.00775
145	0.	VIVA CUB	-0.00126	0.02021	-0.33408
145	0.486	VIVA CUB	-0.00126	0.01506	-0.20674
145	0.972	VIVA CUB	-0.00126	0.00991	-0.11128
145	1.458	VIVA CUB	-0.00126	-0.00476	-0.04771
145	1.944	VIVA CUB	-0.00126	-0.00038	-0.01603
145	2.43	VIVA CUB	-0.00126	-0.00553	-0.01623

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
145	0	VCOMP	-0.00101	0.01617	-0.26727
145	0.486	VCOMP	-0.00101	0.01205	-0.16539
145	0.972	VCOMP	-0.00101	0.00793	-0.08903
145	1.458	VCOMP	-0.00101	0.00381	-0.03817
145	1.944	VCOMP	-0.00101	0.00031	-0.01282
145	2.43	VCOMP	-0.00101	-0.00443	-0.01299
145	0	VSUCC	0.00101	-0.01617	0.26727
145	0.486	VSUCC	0.00101	-0.01205	0.16539
145	0.972	VSUCC	0.00101	-0.00793	0.08903
145	1.458	VSUCC	0.00101	-0.00381	0.03817
145	1.944	VSUCC	0.00101	0.00031	0.01282
145	2.43	VSUCC	0.00101	0.00443	0.01299
145	0	MUERTA CUB	-0.0019	0.00684	-0.43057
145	0.486	MUERTA CUB	-0.0019	0.02213	-0.30324
145	0.972	MUERTA CUB	-0.0019	0.01462	-0.19248
145	1.458	MUERTA CUB	-0.0019	0.00711	-0.09831
145	1.944	MUERTA CUB	-0.0019	-0.00039	-0.02072
145	2.43	MUERTA CUB	-0.0019	-0.0079	0.04029
146	0	DEAD	-5.180E-06	0.00066	0.00586
146	0.486	DEAD	-5.180E-06	-0.00061	0.01015
146	0.972	DEAD	-5.180E-06	-0.00069	0.01223
146	1.458	DEAD	-5.180E-06	-0.00076	0.01221
146	1.944	DEAD	-5.180E-06	-0.00083	0.01008
146	2.43	DEAD	-5.180E-06	-0.00091	0.00585
146	0	VIVA CUB	-2.625E-05	-0.00197	-0.02362
146	0.486	VIVA CUB	-2.625E-05	-0.0024	-0.04038
146	0.972	VIVA CUB	-2.625E-05	-0.00283	0.0725
146	1.458	VIVA CUB	-2.625E-05	-0.00326	0.07274
146	1.944	VIVA CUB	-2.625E-05	-0.00369	0.04108
146	2.43	VIVA CUB	-2.625E-05	-0.00411	-0.02245
146	0	VCOMP	-2.100E-05	-0.00158	-0.0189
146	0.486	VCOMP	-2.100E-05	-0.002	0.03231
146	0.972	VCOMP	-2.100E-05	-0.00226	0.058
146	1.458	VCOMP	-2.100E-05	-0.00261	0.05819
146	1.944	VCOMP	-2.100E-05	-0.00295	0.03287
146	2.43	VCOMP	-2.100E-05	-0.00329	-0.01796
146	0	VSUCC	2.100E-05	0.00158	0.0189
146	0.486	VSUCC	2.100E-05	0.00192	-0.03231
146	0.972	VSUCC	2.100E-05	0.00226	-0.058
146	1.458	VSUCC	2.100E-05	0.00261	-0.05819
146	1.944	VSUCC	2.100E-05	0.00295	-0.03287
146	2.43	VSUCC	2.100E-05	0.00329	0.01796
146	0	MUERTA CUB	-1.818E-05	-0.0033	0.02925
146	0.486	MUERTA CUB	-1.818E-05	-0.00377	0.06235
146	0.972	MUERTA CUB	-1.818E-05	-0.00424	0.07886
146	1.458	MUERTA CUB	-1.818E-05	-0.00471	0.0788
146	1.944	MUERTA CUB	-1.818E-05	-0.00518	0.06215
146	2.43	MUERTA CUB	-1.818E-05	-0.00565	0.02892
147	0	DEAD	0.00034	-0.0102	0.00796
147	0.486	DEAD	0.00034	-0.00012	-0.00324
147	0.972	DEAD	0.00034	0.00015	0.01455
147	1.458	DEAD	0.00034	0.00238	-0.03197
147	1.944	DEAD	0.00034	0.00352	-0.04949
147	2.43	DEAD	0.00034	0.00465	-0.06912

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
147	0.	VIVA CUB	0.00151	-0.00426	-0.01304
147	0.486	VIVA CUB	0.00151	0.00057	-0.01577
147	0.972	VIVA CUB	0.00151	0.00541	-0.05028
147	1.458	VIVA CUB	0.00151	0.01024	-0.11688
147	1.944	VIVA CUB	0.00151	0.01508	-0.21527
147	2.43	VIVA CUB	0.00151	0.01992	-0.34555
147	0.	VCOMP	0.00121	-0.00341	-0.01043
147	0.486	VCOMP	0.00121	0.00046	-0.01261
147	0.972	VCOMP	0.00121	0.00433	-0.04031
147	1.458	VCOMP	0.00121	0.0082	-0.09351
147	1.944	VCOMP	0.00121	0.01206	-0.17222
147	2.43	VCOMP	0.00121	0.01593	-0.27644
147	0.	VSUCC	-0.00121	0.00341	0.01043
147	0.486	VSUCC	-0.00121	-0.00046	0.01261
147	0.972	VSUCC	-0.00121	-0.00433	0.04031
147	1.458	VSUCC	-0.00121	-0.0082	0.09351
147	1.944	VSUCC	-0.00121	-0.01206	0.17222
147	2.43	VSUCC	-0.00121	-0.01593	0.27644
147	0.	MUERTA CUB	0.00212	0.00632	0.04199
147	0.486	MUERTA CUB	0.00212	0.00072	-0.02046
147	0.972	MUERTA CUB	0.00212	0.00777	-0.09948
147	1.458	MUERTA CUB	0.00212	0.01481	-0.19508
147	1.944	MUERTA CUB	0.00212	0.02185	-0.30727
147	2.43	MUERTA CUB	0.00212	0.0289	-0.43603
148	0.	DEAD	-1.193E-18	-0.00433	-0.07838
148	0.486	DEAD	-1.193E-18	-0.00346	-0.05721
148	0.972	DEAD	-1.193E-18	-0.00258	-0.03814
148	1.458	DEAD	-1.193E-18	-0.00171	-0.02118
148	1.944	DEAD	-1.193E-18	-0.00084	-0.00633
148	2.43	DEAD	-1.193E-18	3.392E-05	0.00642
148	0.	VIVA CUB	-3.036E-18	-0.01671	-0.38563
148	0.486	VIVA CUB	-3.036E-18	-0.01344	-0.24158
148	0.972	VIVA CUB	-3.036E-18	-0.01016	-0.12941
148	1.458	VIVA CUB	-3.036E-18	-0.00688	-0.04913
148	1.944	VIVA CUB	-3.036E-18	-0.0036	-0.00073
148	2.43	VIVA CUB	-3.036E-18	-0.00032	0.01577
148	0.	VCOMP	-2.168E-18	-0.01337	-0.30851
148	0.486	VCOMP	-2.168E-18	-0.01075	-0.19326
148	0.972	VCOMP	-2.168E-18	-0.00813	-0.10353
148	1.458	VCOMP	-2.168E-18	-0.0055	-0.0393
148	1.944	VCOMP	-2.168E-18	-0.00288	-0.00059
148	2.43	VCOMP	-2.168E-18	-0.00026	0.01262
148	0.	VSUCC	2.168E-18	0.01075	0.19326
148	0.486	VSUCC	2.168E-18	0.00813	0.10353
148	0.972	VSUCC	2.168E-18	0.0055	0.0393
148	1.458	VSUCC	2.168E-18	0.00288	0.00059
148	1.944	VSUCC	2.168E-18	0.00026	-0.01262
148	0.	MUERTA CUB	-7.373E-18	-0.02528	-0.49304
148	0.486	MUERTA CUB	-7.373E-18	-0.02016	-0.3529
148	0.972	MUERTA CUB	-7.373E-18	-0.01504	-0.22934
148	1.458	MUERTA CUB	-7.373E-18	-0.00992	-0.12235
148	1.944	MUERTA CUB	-7.373E-18	-0.0048	-0.03195
148	2.43	MUERTA CUB	-7.373E-18	0.00032	0.04187

CEYCO

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
149	0.	DEAD	-1.068E-19	3.571E-16	-0.07943
149	0.472	DEAD	-1.068E-19	2.821E-16	-0.05955
149	0.944	DEAD	-1.068E-19	2.071E-16	-0.04165
149	1.416	DEAD	-1.068E-19	1.322E-16	-0.02575
149	1.888	DEAD	-1.068E-19	5.724E-17	-0.01183
149	2.36	DEAD	-1.068E-19	-1.772E-17	0.00011
149	0.	VIVA CUB	9.813E-19	8.147E-16	-0.37458
149	0.472	VIVA CUB	9.813E-19	6.366E-16	-0.24037
149	0.944	VIVA CUB	9.813E-19	4.586E-16	-0.13623
149	1.416	VIVA CUB	9.813E-19	2.806E-16	-0.06217
149	1.888	VIVA CUB	9.813E-19	1.025E-16	-0.01819
149	2.36	VIVA CUB	9.813E-19	-7.554E-17	-0.00428
149	0.	VCOMP	3.064E-19	6.644E-16	-0.29966
149	0.472	VCOMP	3.064E-19	5.195E-16	-0.19229
149	0.944	VCOMP	3.064E-19	3.746E-16	-0.10898
149	1.416	VCOMP	3.064E-19	2.297E-16	-0.04974
149	1.888	VCOMP	3.064E-19	8.483E-17	-0.01455
149	2.36	VCOMP	3.064E-19	6.095E-17	-0.00342
149	0.	VSUCC	-3.064E-19	-6.644E-16	0.29966
149	0.472	VSUCC	-3.064E-19	-5.195E-16	0.19229
149	0.944	VSUCC	-3.064E-19	-3.746E-16	0.10898
149	1.416	VSUCC	-3.064E-19	-2.297E-16	0.04974
149	1.888	VSUCC	-3.064E-19	-8.483E-17	0.01455
149	2.36	VSUCC	-3.064E-19	6.095E-17	0.00342
149	0.	MUERTA CUB	-1.596E-18	1.806E-15	-0.50107
149	0.472	MUERTA CUB	-1.596E-18	1.423E-15	-0.36922
149	0.944	MUERTA CUB	-1.596E-18	1.040E-15	-0.25301
149	1.416	MUERTA CUB	-1.596E-18	6.566E-16	-0.15245
149	1.888	MUERTA CUB	-1.596E-18	2.734E-16	-0.06752
149	2.36	MUERTA CUB	-1.596E-18	-1.098E-16	0.00177
150	0.	DEAD	-1.171E-19	-5.807E-18	-0.05018
150	0.486	DEAD	-1.171E-19	-3.844E-18	-0.03488
150	0.972	DEAD	-1.171E-19	-1.881E-18	-0.02108
150	1.458	DEAD	-1.171E-19	8.173E-20	-0.01059
150	1.944	DEAD	-1.171E-19	2.045E-18	-0.00161
150	2.43	DEAD	-1.171E-19	4.008E-18	0.00527
150	0.	VIVA CUB	1.758E-18	-1.514E-17	-0.25347
150	0.486	VIVA CUB	1.758E-18	-9.548E-18	-0.14461
150	0.972	VIVA CUB	1.758E-18	-3.959E-18	-0.06763
150	1.458	VIVA CUB	1.758E-18	1.629E-18	-0.02255
150	1.944	VIVA CUB	1.758E-18	7.218E-18	-0.00935
150	2.43	VIVA CUB	1.758E-18	1.281E-17	-0.02893
150	0.	VCOMP	1.155E-18	-1.216E-17	-0.20277
150	0.486	VCOMP	1.155E-18	-7.561E-18	-0.11569
150	0.972	VCOMP	1.155E-18	-2.966E-18	-0.05411
150	1.458	VCOMP	1.155E-18	1.628E-18	-0.01804
150	1.944	VCOMP	1.155E-18	6.222E-18	-0.00748
150	2.43	VCOMP	1.155E-18	1.082E-17	-0.02242
150	0.	VSUCC	-1.155E-18	1.216E-17	0.20277
150	0.486	VSUCC	-1.155E-18	7.561E-18	0.11569
150	0.972	VSUCC	-1.155E-18	2.966E-18	0.05411
150	1.458	VSUCC	-1.155E-18	-1.628E-18	0.01804
150	1.944	VSUCC	-1.155E-18	-6.222E-18	0.00748
150	2.43	VSUCC	-1.155E-18	-1.082E-17	0.02242

CEYCO

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
150	0.	MUERTA CUB	3.966E-18	-2.790E-17	-0.31908
150	0.486	MUERTA CUB	3.966E-18	-1.802E-17	-0.21703
150	0.972	MUERTA CUB	3.966E-18	-8.132E-18	-0.13157
150	1.458	MUERTA CUB	3.966E-18	1.753E-18	-0.06269
150	1.944	MUERTA CUB	3.966E-18	1.164E-17	-0.01038
150	2.43	MUERTA CUB	3.966E-18	2.152E-17	0.02534
151	0.	DEAD	1.412E-18	-1.841E-18	0.0008
151	0.486	DEAD	1.412E-18	-1.236E-18	0.00505
151	0.972	DEAD	1.412E-18	-6.305E-19	0.0072
151	1.458	DEAD	1.412E-18	-2.507E-20	0.00724
151	1.944	DEAD	1.412E-18	5.803E-19	0.00517
151	2.43	DEAD	1.412E-18	1.186E-18	0.00099
151	0.	VIVA CUB	-3.000E-19	-9.183E-18	-0.04505
151	0.486	VIVA CUB	-3.000E-19	-6.031E-18	0.01885
151	0.972	VIVA CUB	-3.000E-19	-2.879E-18	0.05086
151	1.458	VIVA CUB	-3.000E-19	2.733E-19	0.05099
151	1.944	VIVA CUB	-3.000E-19	3.425E-18	0.01924
151	2.43	VIVA CUB	-3.000E-19	6.577E-18	-0.04441
151	0.	VCOMP	4.428E-20	-8.203E-18	-0.03604
151	0.486	VCOMP	4.428E-20	-5.392E-18	0.01598
151	0.972	VCOMP	4.428E-20	-2.581E-18	0.04069
151	1.458	VCOMP	4.428E-20	2.296E-19	0.04079
151	1.944	VCOMP	4.428E-20	3.040E-18	0.01539
151	2.43	VCOMP	4.428E-20	5.851E-18	-0.03553
151	0.	VSUCC	-4.428E-20	8.203E-18	0.03604
151	0.486	VSUCC	-4.428E-20	5.392E-18	-0.01598
151	0.972	VSUCC	-4.428E-20	2.581E-18	-0.04069
151	1.458	VSUCC	-4.428E-20	-2.296E-19	-0.04079
151	1.944	VSUCC	-4.428E-20	-3.040E-18	-0.01539
151	2.43	VSUCC	-4.428E-20	-5.851E-18	0.03553
151	0.	MUERTA CUB	-4.802E-18	-1.416E-17	-0.00231
151	0.486	MUERTA CUB	-4.802E-18	-9.212E-18	0.0311
151	0.972	MUERTA CUB	-4.802E-18	-4.260E-18	0.04792
151	1.458	MUERTA CUB	-4.802E-18	6.914E-19	0.04816
151	1.944	MUERTA CUB	-4.802E-18	5.643E-18	0.03181
151	2.43	MUERTA CUB	-4.802E-18	1.060E-17	-0.00111
152	0.	DEAD	1.832E-18	-1.262E-17	0.00616
152	0.486	DEAD	1.832E-18	-5.034E-18	-0.0014
152	0.972	DEAD	1.832E-18	2.552E-18	-0.01106
152	1.458	DEAD	1.832E-18	1.014E-17	-0.02283
152	1.944	DEAD	1.832E-18	1.772E-17	-0.0367
152	2.43	DEAD	1.832E-18	2.531E-17	-0.05268
152	0.	VIVA CUB	9.887E-18	-5.418E-17	-0.02213
152	0.486	VIVA CUB	9.887E-18	-2.216E-17	-0.00815
152	0.972	VIVA CUB	9.887E-18	9.887E-18	-0.02066
152	1.458	VIVA CUB	9.887E-18	4.189E-17	-0.07585
152	1.944	VIVA CUB	9.887E-18	7.391E-17	-0.15753
152	2.43	VIVA CUB	9.887E-18	1.059E-16	-0.27109
152	0.	VCOMP	7.702E-18	-4.483E-17	-0.0177
152	0.486	VCOMP	7.702E-18	-1.840E-17	-0.00652
152	0.972	VCOMP	7.702E-18	8.027E-18	-0.02084
152	1.458	VCOMP	7.702E-18	3.446E-17	-0.06068
152	1.944	VCOMP	7.702E-18	6.089E-17	-0.12602
152	2.43	VCOMP	7.702E-18	8.732E-17	-0.21688

CEYCO

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
			Tonf-m	Tonf-m	Tonf-m
152	0.	VSUCC	-7.702E-18	4.483E-17	0.0177
152	0.486	VSUCC	-7.702E-18	1.840E-17	0.00652
152	0.972	VSUCC	-7.702E-18	-8.027E-18	0.02084
152	1.458	VSUCC	-7.702E-18	-3.446E-17	0.06068
152	1.944	VSUCC	-7.702E-18	-6.089E-17	0.12602
152	2.43	VSUCC	-7.702E-18	-8.732E-17	0.21088
152	0.	MUERTA CUB	1.515E-17	-8.193E-17	-0.03119
152	0.486	MUERTA CUB	1.515E-17	-3.351E-17	-0.00899
152	0.972	MUERTA CUB	1.515E-17	1.398E-17	-0.06576
152	1.458	MUERTA CUB	1.515E-17	6.146E-17	-0.1391
152	1.944	MUERTA CUB	1.515E-17	1.090E-16	-0.22903
152	2.43	MUERTA CUB	1.515E-17	1.564E-16	-0.33554
152	0.	DEAD	1.349E-18	1.605E-15	0.00037
152	0.486	DEAD	1.349E-19	1.274E-15	0.00161
152	0.972	DEAD	1.349E-19	9.482E-16	0.004296
152	1.458	DEAD	1.349E-19	6.223E-16	-0.02641
152	1.944	DEAD	1.349E-19	2.963E-16	-0.01197
152	2.43	DEAD	1.349E-19	-2.957E-17	0.00037
152	0.	VIVA CUB	-1.280E-18	4.686E-15	-0.38645
152	0.486	VIVA CUB	-1.280E-18	5.159E-15	-0.25407
152	0.972	VIVA CUB	-1.280E-18	8.833E-15	-0.1436
152	1.458	VIVA CUB	-1.280E-18	2.515E-15	-0.06501
152	1.944	VIVA CUB	-1.280E-18	1.197E-15	-0.01832
152	2.43	VIVA CUB	-1.280E-18	-1.203E-16	-0.0035
152	0.	VCOMP	-1.024E-18	5.289E-15	-0.31715
152	0.486	VCOMP	-1.024E-18	4.209E-15	-0.20326
152	0.972	VCOMP	-1.024E-18	3.313E-15	-0.11488
152	1.458	VCOMP	-1.024E-18	2.054E-15	-0.05201
152	1.944	VCOMP	-1.024E-18	9.775E-16	-0.02465
152	2.43	VCOMP	-1.024E-18	-9.938E-17	0.00028
153	0.	VSUCC	1.024E-18	-5.289E-15	0.31715
153	0.486	VSUCC	1.024E-18	-4.209E-15	0.20326
153	0.972	VSUCC	1.024E-18	-3.313E-15	0.11488
153	1.458	VSUCC	1.024E-18	-2.054E-15	0.05201
153	1.944	VSUCC	1.024E-18	-9.775E-16	0.01465
153	2.43	VSUCC	1.024E-18	9.938E-17	0.00028
153	0.	MUERTA CUB	1.267E-18	9.533E-15	-0.5206
153	0.486	MUERTA CUB	1.267E-18	7.590E-15	-0.38262
153	0.972	MUERTA CUB	1.267E-18	5.261E-15	-0.25407
153	1.458	MUERTA CUB	1.267E-18	3.705E-15	-0.15642
153	1.944	MUERTA CUB	1.267E-18	1.762E-15	-0.06819
153	2.43	MUERTA CUB	1.267E-18	-1.807E-16	0.00347
154	0.	DEAD	-1.084E-18	0.0003	-0.05909
154	0.472	DEAD	-1.084E-18	0.00024	-0.0446
154	0.944	DEAD	-1.084E-18	0.00018	-0.03321
154	1.416	DEAD	-1.084E-18	0.00012	-0.02158
154	1.888	DEAD	-1.084E-18	6.083E-05	-0.01305
154	2.36	DEAD	-1.084E-18	-3.554E-19	-0.00051
154	0.	VIVA CUB	-3.036E-18	-0.00077	-0.3899
154	0.472	VIVA CUB	-3.036E-18	-0.00062	-0.25495
154	0.944	VIVA CUB	-3.036E-18	-0.00046	-0.14629
154	1.416	VIVA CUB	-3.036E-18	-0.00031	-0.0741
154	1.888	VIVA CUB	-3.036E-18	-0.00015	-0.02999
154	2.36	VIVA CUB	-3.036E-18	3.880E-19	-0.01395

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
154	0.	VCOMP	-2.168E-18	-0.00062	-0.31192
154	0.472	VCOMP	-2.168E-18	-0.00049	-0.20364
154	0.944	VCOMP	-2.168E-18	-0.00037	-0.11943
154	1.416	VCOMP	-2.168E-18	-0.00025	-0.05928
154	1.888	VCOMP	-2.168E-18	-0.00012	-0.02319
154	2.36	VCOMP	-2.168E-18	-1.485E-19	-0.01116
154	0.	VSUCC	2.168E-18	0.00062	0.31192
154	0.472	VSUCC	2.168E-18	0.00049	0.20364
154	0.944	VSUCC	2.168E-18	0.00037	0.11943
154	1.416	VSUCC	2.168E-18	0.00025	0.05928
154	1.888	VSUCC	2.168E-18	0.00012	0.02319
154	2.36	VSUCC	2.168E-18	1.485E-19	0.01116
154	0.	MUERTA CUB	-8.240E-18	-0.0008	-0.33757
154	0.472	MUERTA CUB	-8.240E-18	-0.00064	-0.25632
154	0.944	MUERTA CUB	-8.240E-18	-0.00048	-0.18621
154	1.416	MUERTA CUB	-8.240E-18	-0.00032	-0.12724
154	1.888	MUERTA CUB	-8.240E-18	-0.00016	-0.07941
154	2.36	MUERTA CUB	-8.240E-18	6.241E-19	-0.04272
155	0.	DEAD	-0.00029	-0.00037	-0.01596
155	0.486	DEAD	-0.00029	-0.00026	-0.00846
155	0.972	DEAD	-0.00029	-0.00015	-0.00307
155	1.458	DEAD	-0.00029	-4.374E-05	0.00021
155	1.944	DEAD	-0.00029	6.594E-05	0.00139
155	2.43	DEAD	-0.00029	0.00018	0.00046
155	0.	VIVA CUB	-0.00132	-0.00095	-0.13473
155	0.486	VIVA CUB	-0.00132	-0.00066	-0.05166
155	0.972	VIVA CUB	-0.00132	-0.00037	-0.00048
155	1.458	VIVA CUB	-0.00132	-7.414E-05	0.01882
155	1.944	VIVA CUB	-0.00132	0.00022	0.00623
155	2.43	VIVA CUB	-0.00132	0.00051	-0.03825
155	0.	VCOMP	-0.00106	-0.00076	-0.10778
155	0.486	VCOMP	-0.00106	-0.00053	-0.04133
155	0.972	VCOMP	-0.00106	-0.00029	-0.00038
155	1.458	VCOMP	-0.00106	5.931E-05	-0.01505
155	1.944	VCOMP	-0.00106	0.00017	0.00498
155	2.43	VCOMP	-0.00106	0.00041	-0.0306
155	0.	VSUCC	0.00106	0.00076	0.10778
155	0.486	VSUCC	0.00106	0.00053	0.04133
155	0.972	VSUCC	0.00106	0.00029	0.00038
155	1.458	VSUCC	0.00106	5.931E-05	-0.01505
155	1.944	VSUCC	0.00106	-0.00017	-0.00498
155	2.43	VSUCC	0.00106	-0.00041	0.0306
155	0.	MUERTA CUB	-0.0019	-0.0012	-0.09048
155	0.486	MUERTA CUB	-0.0019	-0.00081	-0.04817
155	0.972	MUERTA CUB	-0.0019	-0.00043	-0.01768
155	1.458	MUERTA CUB	-0.0019	-4.241E-05	0.001
155	1.944	MUERTA CUB	-0.0019	0.00034	0.00788
155	2.43	MUERTA CUB	-0.0019	0.00073	0.00294
156	0.	DEAD	-1.671E-06	0.00018	-0.00341
156	0.486	DEAD	-1.671E-06	0.00015	-0.00057
156	0.972	DEAD	-1.671E-06	0.00013	0.00045
156	1.458	DEAD	-1.671E-06	0.00011	0.00222
156	1.944	DEAD	-1.671E-06	8.165E-05	-0.00012
156	2.43	DEAD	-1.671E-06	5.789E-05	-0.00456

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
156	0.	VIVA CUB	-1.333E-05	0.00007	-0.0602
156	0.486	VIVA CUB	-1.333E-05	0.00061	0.00212
156	0.972	VIVA CUB	-1.333E-05	0.00052	0.00254
156	1.458	VIVA CUB	-1.333E-05	0.00043	0.00108
156	1.944	VIVA CUB	-1.333E-05	0.00034	-0.00227
156	2.43	VIVA CUB	-1.333E-05	0.00026	-0.0675
156	0.	VCOMP	-1.066E-05	0.00056	-0.04816
156	0.486	VCOMP	-1.066E-05	0.00049	0.00169
156	0.972	VCOMP	-1.066E-05	0.00042	0.02603
156	1.458	VCOMP	-1.066E-05	0.00035	0.02487
156	1.944	VCOMP	-1.066E-05	0.00028	-0.00181
156	2.43	VCOMP	-1.066E-05	0.0002	-0.054
156	0.	VSUCC	1.066E-05	-0.00056	0.04816
156	0.486	VSUCC	1.066E-05	-0.00049	-0.00169
156	0.972	VSUCC	1.066E-05	-0.00042	-0.02603
156	1.458	VSUCC	1.066E-05	-0.00035	-0.02487
156	1.944	VSUCC	1.066E-05	-0.00028	0.00181
156	2.43	VSUCC	1.066E-05	-0.0002	0.054
156	0.	MUERTA CUB	-9.669E-06	0.00099	-0.01887
156	0.486	MUERTA CUB	-9.669E-06	0.00085	0.00336
156	0.972	MUERTA CUB	-9.669E-06	0.0007	0.01379
156	1.458	MUERTA CUB	-9.669E-06	0.00055	0.0124
156	1.944	MUERTA CUB	-9.669E-06	0.00041	-0.0008
156	2.43	MUERTA CUB	-9.669E-06	0.00026	-0.0258
157	0.	DEAD	0.00029	0.00033	0.00194
157	0.486	DEAD	0.00029	0.00015	0.00221
157	0.972	DEAD	0.00029	-2.607E-05	0.00037
157	1.458	DEAD	0.00029	-0.0002	-0.00357
157	1.944	DEAD	0.00029	-0.00038	-0.00963
157	2.43	DEAD	0.00029	-0.00055	-0.01778
157	0.	VIVA CUB	0.00134	0.00121	-0.02772
157	0.486	VIVA CUB	0.00134	0.00061	0.01189
157	0.972	VIVA CUB	0.00134	9.092E-07	0.01961
157	1.458	VIVA CUB	0.00134	-0.0006	-0.00455
157	1.944	VIVA CUB	0.00134	-0.00121	-0.0606
157	2.43	VIVA CUB	0.00134	-0.00181	-0.14854
157	0.	VCOMP	0.00107	0.00097	-0.02218
157	0.486	VCOMP	0.00107	0.00048	0.00951
157	0.972	VCOMP	0.00107	7.273E-07	0.01569
157	1.458	VCOMP	0.00107	-0.00048	-0.00364
157	1.944	VCOMP	0.00107	-0.00097	-0.04848
157	2.43	VCOMP	0.00107	-0.00145	-0.11883
157	0.	VSUCC	-0.00107	-0.00097	0.02218
157	0.486	VSUCC	-0.00107	-0.00048	-0.00951
157	0.972	VSUCC	-0.00107	-7.273E-07	-0.01569
157	1.458	VSUCC	-0.00107	0.00048	0.00364
157	1.944	VSUCC	-0.00107	0.00097	0.04848
157	2.43	VSUCC	-0.00107	0.00145	0.11883
157	0.	MUERTA CUB	0.00188	0.00172	0.0118
157	0.486	MUERTA CUB	0.00188	0.00089	0.0028
157	0.972	MUERTA CUB	0.00188	6.341E-05	0.00199
157	1.458	MUERTA CUB	0.00188	-0.00076	-0.02063
157	1.944	MUERTA CUB	0.00188	-0.00159	-0.05506
157	2.43	MUERTA CUB	0.00188	-0.00242	-0.1013

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
158	0.	DEAD	1.301E-18	-0.00024	-0.0615
158	0.486	DEAD	1.301E-18	-0.00019	-0.04631
158	0.972	DEAD	1.301E-18	-0.00014	-0.03322
158	1.458	DEAD	1.301E-18	-9.564E-05	-0.02224
158	1.944	DEAD	1.301E-18	-4.777E-05	-0.01337
158	2.43	DEAD	1.301E-18	-5.442E-20	-0.0006
158	0.	VIVA CUB	3.903E-18	0.00102	-0.4126
158	0.486	VIVA CUB	3.903E-18	0.00082	-0.26912
158	0.972	VIVA CUB	3.903E-18	0.00061	-0.15751
158	1.458	VIVA CUB	3.903E-18	0.00041	-0.0778
158	1.944	VIVA CUB	3.903E-18	0.0002	-0.02997
158	2.43	VIVA CUB	3.903E-18	-2.133E-19	-0.01402
158	0.	VCOMP	1.735E-18	0.00082	-0.33008
158	0.486	VCOMP	1.735E-18	0.00065	-0.21529
158	0.972	VCOMP	1.735E-18	0.00049	-0.12601
158	1.458	VCOMP	1.735E-18	0.00033	-0.06224
158	1.944	VCOMP	1.735E-18	0.00016	-0.02397
158	2.43	VCOMP	1.735E-18	0.	-0.01122
158	0.	VSUCC	-1.735E-18	-0.00082	0.33008
158	0.486	VSUCC	-1.735E-18	-0.00065	0.21529
158	0.972	VSUCC	-1.735E-18	-0.00049	0.12601
158	1.458	VSUCC	-1.735E-18	-0.00033	0.06224
158	1.944	VSUCC	-1.735E-18	-0.00016	0.02397
158	2.43	VSUCC	-1.735E-18	0.	0.01122
158	0.	MUERTA CUB	8.674E-18	0.00105	-0.35145
158	0.486	MUERTA CUB	8.674E-18	0.00084	-0.26626
158	0.972	MUERTA CUB	8.674E-18	0.00063	-0.19288
158	1.458	MUERTA CUB	8.674E-18	0.00042	-0.13131
158	1.944	MUERTA CUB	8.674E-18	0.00021	-0.08155
158	2.43	MUERTA CUB	8.674E-18	9.332E-19	-0.0436
159	0.	DEAD	6.862E-05	0.00046	0.00413
159	0.2424	DEAD	6.862E-05	0.00038	-0.0195
159	0.4848	DEAD	6.862E-05	0.00029	-0.04313
159	0.	VIVA CUB	0.00172	0.00145	0.01798
159	0.2424	VIVA CUB	0.00172	0.00139	-0.11859
159	0.4848	VIVA CUB	0.00172	0.00132	-0.25817
159	0.	VCOMP	0.00138	0.00116	0.01438
159	0.2424	VCOMP	0.00138	0.00111	-0.09488
159	0.4848	VCOMP	0.00138	0.00106	-0.20413
159	0.	VSUCC	-0.00138	-0.00116	-0.01438
159	0.2424	VSUCC	-0.00138	-0.00111	0.09488
159	0.4848	VSUCC	-0.00138	-0.00106	0.20413
159	0.	MUERTA CUB	0.00199	0.00212	0.02578
159	0.2424	MUERTA CUB	0.00199	0.00201	-0.11066
159	0.4848	MUERTA CUB	0.00199	0.0019	-0.24709
160	0.	DEAD	-1.087E-06	-0.00042	-0.00147
160	0.2424	DEAD	-1.087E-06	-0.00036	0.0012
160	0.4848	DEAD	-1.087E-06	-0.00029	0.00387
160	0.	VIVA CUB	-0.00019	-0.00169	-0.00613
160	0.2424	VIVA CUB	-0.00019	-0.0015	0.00791
160	0.4848	VIVA CUB	-0.00019	-0.00131	0.02194
160	0.	VCOMP	-0.00015	-0.00135	-0.0049
160	0.2424	VCOMP	-0.00015	-0.0012	0.00633
160	0.4848	VCOMP	-0.00015	-0.00105	0.01756

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
160	0.	VSUCC	0.00015	0.00135	0.0049
160	0.2424	VSUCC	0.00015	0.0012	-0.00633
160	0.4848	VSUCC	0.00015	0.00105	-0.01756
160	0.	MUERTA CUB	-0.00027	-0.00242	-0.00907
160	0.2424	MUERTA CUB	-0.00027	-0.00216	0.00637
160	0.4848	MUERTA CUB	-0.00027	-0.00189	0.02181
161	0.	DEAD	-0.00027	-0.00044	0.00158
161	0.2424	DEAD	-0.00027	-0.00036	-0.00246
161	0.4848	DEAD	-0.00027	-0.00029	-0.00065
161	0.	VIVA CUB	-0.00066	0.00187	0.00705
161	0.2424	VIVA CUB	-0.00069	-0.00161	0.01083
161	0.4848	VIVA CUB	-0.00096	-0.00136	-0.03978
161	0.	VCOMP	-0.00076	-0.0015	0.00562
161	0.2424	VCOMP	-0.00076	-0.00129	-0.0131
161	0.4848	VCOMP	-0.00076	-0.00109	-0.03182
161	0.	VSUCC	0.00076	0.0015	-0.00562
161	0.2424	VSUCC	0.00076	0.00129	0.0131
161	0.4848	VSUCC	0.00109	0.00109	0.03182
161	0.	MUERTA CUB	-0.00146	-0.00257	0.00975
161	0.2424	MUERTA CUB	-0.00146	-0.00223	-0.01393
161	0.4848	MUERTA CUB	-0.00146	-0.00189	-0.0376
162	0.	DEAD	-0.00032	0.00051	-0.00629
162	0.2424	DEAD	-0.00032	0.0004	0.01871
162	0.4848	DEAD	-0.00032	0.00029	0.04372
162	0.	VIVA CUB	-0.00284	0.00174	-0.02781
162	0.2424	VIVA CUB	-0.00284	0.00154	0.11813
162	0.4848	VIVA CUB	-0.00384	0.00134	0.26048
162	0.	VCOMP	-0.00227	0.00139	-0.02225
162	0.2424	VCOMP	-0.00227	0.00123	0.0945
162	0.4848	VCOMP	-0.00227	0.00107	0.21125
162	0.	VSUCC	0.00227	-0.00139	0.02225
162	0.2424	VSUCC	0.00227	-0.00123	-0.0945
162	0.4848	VSUCC	0.00227	-0.00107	-0.21125
163	0.	MUERTA CUB	-0.00067	0.0005	-0.03819
163	0.2424	MUERTA CUB	-0.00347	0.00219	0.10549
163	0.4848	MUERTA CUB	-0.00347	0.00188	0.25016
163	0.	DEAD	0.	-0.0003	-0.05909
163	0.472	DEAD	0.	-0.00024	-0.0446
163	0.944	DEAD	0.	-0.00018	-0.0321
163	1.416	DEAD	0.	-0.00012	-0.02158
163	1.888	DEAD	0.	-0.00035	-0.01305
163	2.36	DEAD	0.	-3.135E-19	-0.00651
163	0.	VIVA CUB	1.301E-18	0.00077	-0.3399
163	0.472	VIVA CUB	1.301E-18	0.00062	-0.25455
163	0.944	VIVA CUB	1.301E-18	0.00046	-0.14929
163	1.416	VIVA CUB	1.301E-18	0.00031	-0.0741
163	1.888	VIVA CUB	1.301E-18	0.00015	-0.02899
163	2.36	VIVA CUB	1.301E-18	9.347E-19	-0.01395
163	0.	VCOMP	4.337E-19	0.00062	-0.31192
163	0.472	VCOMP	4.337E-19	0.00046	-0.20949
163	0.944	VCOMP	4.337E-19	0.00037	-0.11943
163	1.416	VCOMP	4.337E-19	0.00025	-0.05928
163	1.888	VCOMP	4.337E-19	0.00012	-0.02319
163	2.36	VCOMP	4.337E-19	5.265E-19	-0.01116

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
163	0.	VSUCC	-4.337E-19	-0.00062	0.31192
163	0.472	VSUCC	-4.337E-19	-0.00049	0.20364
163	0.944	VSUCC	-4.337E-19	-0.00037	0.11943
163	1.416	VSUCC	-4.337E-19	-0.00025	0.05928
163	1.888	VSUCC	-4.337E-19	-0.00012	0.02319
163	2.36	VSUCC	-4.337E-19	-5.265E-19	0.01116
163	0.	MUERTA CUB	4.337E-19	0.00008	-0.33757
163	0.472	MUERTA CUB	4.337E-19	0.00064	-0.25632
163	0.944	MUERTA CUB	4.337E-19	0.00048	-0.18621
163	1.416	MUERTA CUB	4.337E-19	0.00032	-0.12724
163	1.888	MUERTA CUB	4.337E-19	0.00016	-0.07941
163	2.36	MUERTA CUB	4.337E-19	2.561E-19	-0.04272
164	0.	DEAD	0.00029	0.00037	-0.01596
164	0.486	DEAD	0.00029	0.00026	-0.00846
164	0.972	DEAD	0.00029	0.00015	-0.00307
164	1.458	DEAD	0.00029	4.374E-05	0.00021
164	1.944	DEAD	0.00029	-6.594E-05	0.00139
164	2.43	DEAD	0.00029	-0.00018	0.00446
164	0.	VIVA CUB	0.00132	0.00095	-0.13473
164	0.486	VIVA CUB	0.00132	0.00066	-0.05166
164	0.972	VIVA CUB	0.00132	0.00037	-0.00048
164	1.458	VIVA CUB	0.00132	7.414E-05	0.01882
164	1.944	VIVA CUB	0.00132	-0.00022	0.00623
164	2.43	VIVA CUB	0.00132	-0.00051	-0.03825
164	0.	VCOMP	0.00106	0.00076	-0.10778
164	0.486	VCOMP	0.00106	0.00053	-0.04133
164	0.972	VCOMP	0.00106	0.00029	-0.00038
164	1.458	VCOMP	0.00106	5.931E-05	0.01505
164	1.944	VCOMP	0.00106	-0.00017	0.00498
164	2.43	VCOMP	0.00106	-0.00041	-0.0306
164	0.	VSUCC	-0.00106	-0.00076	0.10778
164	0.486	VSUCC	-0.00106	-0.00053	0.04133
164	0.972	VSUCC	-0.00106	-0.00029	0.00038
164	1.458	VSUCC	-0.00106	-5.931E-05	-0.01505
164	1.944	VSUCC	-0.00106	0.00017	-0.00498
164	2.43	VSUCC	-0.00106	0.00041	0.0306
164	0.	MUERTA CUB	0.0019	0.00012	-0.09048
164	0.486	MUERTA CUB	0.0019	0.00081	-0.04817
164	0.972	MUERTA CUB	0.0019	0.00043	-0.01768
164	1.458	MUERTA CUB	0.0019	4.241E-05	0.001
164	1.944	MUERTA CUB	0.0019	-0.00034	0.00788
164	2.43	MUERTA CUB	0.0019	-0.00073	0.00284
165	0.	DEAD	1.671E-06	-0.00018	-0.00341
165	0.486	DEAD	1.671E-06	-0.00015	0.00057
165	0.972	DEAD	1.671E-06	-0.00013	0.00245
165	1.458	DEAD	1.671E-06	-0.00011	0.00222
165	1.944	DEAD	1.671E-06	-8.165E-05	-0.00012
165	2.43	DEAD	1.671E-06	-5.789E-05	-0.00456
165	0.	VIVA CUB	1.333E-05	-0.00007	-0.06002
165	0.486	VIVA CUB	1.333E-05	-0.00061	0.00212
165	0.972	VIVA CUB	1.333E-05	-0.00052	0.03254
165	1.458	VIVA CUB	1.333E-05	-0.00043	0.03108
165	1.944	VIVA CUB	1.333E-05	-0.00034	-0.00227
165	2.43	VIVA CUB	1.333E-05	-0.00026	-0.0675

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
165	0.	VCOMP	1.066E-05	-0.00056	-0.04816
165	0.486	VCOMP	1.066E-05	-0.00049	-0.00169
165	0.972	VCOMP	1.066E-05	-0.00042	0.02603
165	1.458	VCOMP	1.066E-05	-0.00035	0.02487
165	1.944	VCOMP	1.066E-05	-0.00028	-0.00181
165	2.43	VCOMP	1.066E-05	-0.0002	-0.054
165	0.	VSUCC	-1.066E-05	0.00056	0.04816
165	0.486	VSUCC	-1.066E-05	0.00049	-0.00169
165	0.972	VSUCC	-1.066E-05	0.00042	-0.02603
165	1.458	VSUCC	-1.066E-05	0.00035	-0.02487
165	1.944	VSUCC	-1.066E-05	0.00028	0.00181
165	2.43	VSUCC	-1.066E-05	0.0002	0.054
165	0.	MUERTA CUB	9.669E-06	-0.00099	-0.01887
165	0.486	MUERTA CUB	9.669E-06	-0.00085	0.00336
165	0.972	MUERTA CUB	9.669E-06	-0.0007	0.01379
165	1.458	MUERTA CUB	9.669E-06	-0.00055	0.0124
165	1.944	MUERTA CUB	9.669E-06	-0.00041	-0.0008
165	2.43	MUERTA CUB	9.669E-06	-0.00026	-0.0258
166	0.	DEAD	-0.00029	-0.00033	0.00194
166	0.486	DEAD	-0.00029	-0.00015	0.000221
166	0.972	DEAD	-0.00029	2.607E-05	0.00037
166	1.458	DEAD	-0.00029	0.0002	-0.00357
166	1.944	DEAD	-0.00029	0.00038	-0.00963
166	2.43	DEAD	-0.00029	0.00055	-0.01778
166	0.	VIVA CUB	-0.00134	-0.00121	-0.02772
166	0.486	VIVA CUB	-0.00134	-0.00061	0.01189
166	0.972	VIVA CUB	-0.00134	-9.092E-07	0.01961
166	1.458	VIVA CUB	-0.00134	0.0006	-0.00455
166	1.944	VIVA CUB	-0.00134	0.00121	-0.0606
166	2.43	VIVA CUB	-0.00134	0.00181	-0.14854
166	0.	VCOMP	-0.00107	-0.00097	-0.02218
166	0.486	VCOMP	-0.00107	-0.00048	0.00951
166	0.972	VCOMP	-0.00107	-7.273E-07	0.01569
166	1.458	VCOMP	-0.00107	0.00048	-0.00364
166	1.944	VCOMP	-0.00107	0.00097	-0.04848
166	2.43	VCOMP	-0.00107	0.00145	-0.11883
166	0.	VSUCC	0.00107	0.00097	0.02218
166	0.486	VSUCC	0.00107	0.00048	-0.00951
166	0.972	VSUCC	0.00107	7.273E-07	-0.01569
166	1.458	VSUCC	0.00107	-0.00048	0.00364
166	1.944	VSUCC	0.00107	-0.00097	0.04848
166	2.43	VSUCC	0.00107	-0.00145	0.11883
166	0.	MUERTA CUB	-0.00188	-0.00172	0.0118
166	0.486	MUERTA CUB	-0.00188	-0.00089	0.0128
166	0.972	MUERTA CUB	-0.00188	-6.341E-05	0.00199
166	1.458	MUERTA CUB	-0.00188	0.00076	-0.02063
166	1.944	MUERTA CUB	-0.00188	0.00159	-0.05506
166	2.43	MUERTA CUB	-0.00188	0.00242	-0.1013
167	0.	DEAD	0.	0.00024	-0.0615
167	0.486	DEAD	0.	0.00019	-0.04631
167	0.972	DEAD	0.	0.00014	-0.03322
167	1.458	DEAD	0.	9.554E-05	-0.02224
167	1.944	DEAD	0.	4.777E-05	-0.01337
167	2.43	DEAD	0.	-5.291E-05	-0.0066

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
167	0.	VIVA CUB	0.	-0.00102	-0.4126
167	0.486	VIVA CUB	0.	-0.00082	-0.26912
167	0.972	VIVA CUB	0.	-0.00061	-0.15751
167	1.458	VIVA CUB	0.	-0.00041	-0.0778
167	1.944	VIVA CUB	0.	-0.0002	-0.02997
167	2.43	VIVA CUB	0.	0.	-0.01402
167	0.	VCOMP	0.	-0.00082	-0.33008
167	0.486	VCOMP	0.	-0.00065	-0.21529
167	0.972	VCOMP	0.	-0.00049	-0.12601
167	1.458	VCOMP	0.	-0.00033	-0.06224
167	1.944	VCOMP	0.	-0.00016	-0.02397
167	2.43	VCOMP	0.	-6.468E-19	-0.01122
167	0.	VSUCC	0.	0.00082	0.33008
167	0.486	VSUCC	0.	0.00065	0.21529
167	0.972	VSUCC	0.	0.00049	0.12601
167	1.458	VSUCC	0.	0.00033	0.06224
167	1.944	VSUCC	0.	0.00016	0.02397
167	2.43	VSUCC	0.	6.468E-19	0.01122
167	0.	MUERTA CUB	0.	-0.00105	-0.35145
167	0.486	MUERTA CUB	0.	-0.00084	-0.26626
167	0.972	MUERTA CUB	0.	-0.00063	-0.19288
167	1.458	MUERTA CUB	0.	-0.00042	-0.13131
167	1.944	MUERTA CUB	0.	-0.00021	-0.08155
167	2.43	MUERTA CUB	0.	1.527E-18	-0.0436
168	0.	DEAD	-6.862E-05	-0.00046	0.00413
168	0.2424	DEAD	-6.862E-05	-0.00038	-0.0195
168	0.4848	DEAD	-6.862E-05	-0.00029	-0.04313
168	0.	VIVA CUB	-0.00172	-0.00145	-0.01798
168	0.2424	VIVA CUB	-0.00172	-0.00139	-0.11859
168	0.4848	VIVA CUB	-0.00172	-0.00132	-0.25517
168	0.	VCOMP	-0.00138	-0.00116	0.01438
168	0.2424	VCOMP	-0.00138	-0.00111	-0.09488
168	0.4848	VCOMP	-0.00138	-0.00106	-0.20413
168	0.	VSUCC	0.00138	0.00116	-0.01438
168	0.2424	VSUCC	0.00138	0.00111	0.09488
168	0.4848	VSUCC	0.00138	0.00106	0.20413
168	0.	MUERTA CUB	-0.00199	-0.00212	0.02578
168	0.2424	MUERTA CUB	-0.00199	-0.00201	-0.11066
168	0.4848	MUERTA CUB	-0.00199	-0.0019	-0.24709
169	0.	DEAD	1.087E-06	0.00042	-0.00147
169	0.2424	DEAD	1.087E-06	0.00036	0.00012
169	0.4848	DEAD	1.087E-06	0.00029	0.00387
169	0.	VIVA CUB	0.00019	0.00019	-0.00613
169	0.2424	VIVA CUB	0.00019	0.00015	0.00791
169	0.4848	VIVA CUB	0.00019	0.00013	0.02194
169	0.	VCOMP	0.00015	0.00135	-0.0049
169	0.2424	VCOMP	0.00015	0.0012	0.00633
169	0.4848	VCOMP	0.00015	0.00105	0.01756
169	0.	VSUCC	-0.00015	-0.00135	0.0049
169	0.2424	VSUCC	-0.00015	-0.0012	-0.00633
169	0.4848	VSUCC	-0.00015	-0.00105	-0.01756
169	0.	MUERTA CUB	0.00027	0.00242	-0.00907
169	0.2424	MUERTA CUB	0.00027	0.00216	0.00637
169	0.4848	MUERTA CUB	0.00027	0.00189	0.02181

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T	M2	M3
			Tonf-m	Tonf-m	Tonf-m
170	0.	DEAD	0.00027	0.00044	0.00158
170	0.2424	DEAD	0.00027	0.00036	-0.00246
170	0.4848	DEAD	0.00027	0.00029	-0.0086
170	0.	VIVA CUB	0.00096	0.00187	0.00703
170	0.2424	VIVA CUB	0.00096	0.00161	-0.01638
170	0.4848	VIVA CUB	0.00096	0.00136	-0.03978
170	0.	VCOMP	0.00076	0.0015	0.00562
170	0.2424	VCOMP	0.00076	0.00129	-0.0131
170	0.4848	VCOMP	0.00076	0.00109	-0.03182
170	0.	VSUCC	-0.00076	-0.0015	-0.00562
170	0.2424	VSUCC	-0.00076	-0.00129	-0.0131
170	0.4848	VSUCC	-0.00076	-0.00109	-0.03182
170	0.	MUERTA CUB	0.00146	0.00257	0.00975
170	0.2424	MUERTA CUB	0.00146	0.00223	-0.01393
170	0.4848	MUERTA CUB	0.00146	0.00189	-0.0376
171	0.	DEAD	0.00032	-0.00051	-0.00629
171	0.2424	DEAD	0.00032	-0.0004	0.01871
171	0.4848	DEAD	-0.00032	-0.00029	0.04372
171	0.	VIVA CUB	0.00284	-0.00174	-0.02781
171	0.2424	VIVA CUB	0.00284	-0.00154	0.11813
171	0.4848	VIVA CUB	0.00284	-0.00134	0.26406
171	0.	VCOMP	0.00227	-0.00139	-0.02225
171	0.2424	VCOMP	0.00227	-0.00123	0.0945
171	0.4848	VCOMP	0.00227	-0.00107	0.21125
171	0.	VSUCC	-0.00227	0.00139	-0.02225
171	0.2424	VSUCC	-0.00227	0.00123	0.0945
171	0.4848	VSUCC	-0.00227	0.00107	0.21125
171	0.	MUERTA CUB	0.00347	-0.0025	-0.03919
171	0.2424	MUERTA CUB	0.00347	-0.00219	0.10549
171	0.4848	MUERTA CUB	0.00347	-0.00188	0.25016
172	0.	DEAD	-0.0066	0.	0.
172	0.43958	DEAD	-0.0066	0.	0.00431
172	0.87917	DEAD	-0.0066	0.	0.00689
172	1.31875	DEAD	-0.0066	0.	0.00775
172	1.75833	DEAD	-0.0066	0.	0.00689
172	2.19792	DEAD	-0.0066	0.	0.00431
172	2.6375	DEAD	-0.0066	0.	-5.345E-18
172	0.	VIVA CUB	-0.01402	0.	0.
172	0.43958	VIVA CUB	-0.01402	0.	0.
172	0.87917	VIVA CUB	-0.01402	0.	0.
172	1.31875	VIVA CUB	-0.01402	0.	0.
172	1.75833	VIVA CUB	-0.01402	0.	0.
172	2.19792	VIVA CUB	-0.01402	0.	0.
172	2.6375	VIVA CUB	-0.01402	0.	0.
172	0.	VCOMP	-0.01122	0.	0.
172	0.43958	VCOMP	-0.01122	0.	0.
172	0.87917	VCOMP	-0.01122	0.	0.
172	1.31875	VCOMP	-0.01122	0.	0.
172	1.75833	VCOMP	-0.01122	0.	0.
172	2.19792	VCOMP	-0.01122	0.	0.
172	2.6375	VCOMP	-0.01122	0.	0.
172	0.	VSUCC	0.01122	0.	0.
172	0.43958	VSUCC	0.01122	0.	0.
172	0.87917	VSUCC	0.01122	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
172	1.31875	VSUCC	0.01122	0.	0.
172	1.75833	VSUCC	0.01122	0.	0.
172	2.19792	VSUCC	0.01122	0.	0.
172	2.6375	VSUCC	0.01122	0.	0.
172	0.	MUERTA CUB	-0.0436	0.	0.
172	0.43958	MUERTA CUB	-0.0436	0.	0.02415
172	0.87917	MUERTA CUB	-0.0436	0.	0.03865
172	1.31875	MUERTA CUB	-0.0436	0.	0.04348
172	1.75833	MUERTA CUB	-0.0436	0.	0.03865
172	2.19792	MUERTA CUB	-0.0436	0.	0.02415
172	2.6375	MUERTA CUB	-0.0436	0.	-3.010E-19
173	0.	DEAD	-0.00019	0.	0.
173	1.34084	DEAD	-0.00019	0.	0.00788
173	2.68169	DEAD	-0.00019	0.	-1.331E-17
173	0.	VIVA CUB	0.00178	0.	0.
173	1.34084	VIVA CUB	0.00178	0.	0.
173	2.68169	VIVA CUB	0.00178	0.	0.
173	0.	VCOMP	0.00142	0.	0.
173	1.34084	VCOMP	0.00142	0.	0.
173	2.68169	VCOMP	0.00142	0.	0.
173	0.	VSUCC	-0.00142	0.	0.
173	1.34084	VSUCC	-0.00142	0.	0.
173	2.68169	VSUCC	-0.00142	0.	0.
173	0.	MUERTA CUB	-0.00176	0.	0.
173	1.34084	MUERTA CUB	-0.00176	0.	0.04421
173	2.68169	MUERTA CUB	-0.00176	0.	-3.445E-17
174	0.	DEAD	0.00019	0.	0.
174	1.34084	DEAD	0.00019	0.	0.00788
174	2.68169	DEAD	0.00019	0.	-1.331E-17
174	0.	VIVA CUB	-0.00178	0.	0.
174	1.34084	VIVA CUB	-0.00178	0.	0.
174	2.68169	VIVA CUB	-0.00178	0.	0.
174	0.	VCOMP	-0.00142	0.	0.
174	1.34084	VCOMP	-0.00142	0.	0.
174	2.68169	VCOMP	-0.00142	0.	0.
174	0.	VSUCC	0.00142	0.	0.
174	1.34084	VSUCC	0.00142	0.	0.
174	2.68169	VSUCC	0.00142	0.	0.
174	0.	MUERTA CUB	0.00176	0.	0.
174	1.34084	MUERTA CUB	0.00176	0.	0.04421
174	2.68169	MUERTA CUB	0.00176	0.	-3.445E-17
175	0.	DEAD	0.0066	0.	0.
175	0.43958	DEAD	0.0066	0.	0.00431
175	0.87917	DEAD	0.0066	0.	0.00689
175	1.31875	DEAD	0.0066	0.	0.00775
175	1.75833	DEAD	0.0066	0.	0.00689
175	2.19792	DEAD	0.0066	0.	0.00431
175	2.6375	DEAD	0.0066	0.	5.612E-18
175	0.	VIVA CUB	0.01402	0.	0.
175	0.43958	VIVA CUB	0.01402	0.	0.
175	0.87917	VIVA CUB	0.01402	0.	0.
175	1.31875	VIVA CUB	0.01402	0.	0.
175	1.75833	VIVA CUB	0.01402	0.	0.
175	2.19792	VIVA CUB	0.01402	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
175	2.6375	VIVA CUB	0.01402	0.	0.
175	0.	VCOMP	0.01122	0.	0.
175	0.43958	VCOMP	0.01122	0.	0.
175	0.87917	VCOMP	0.01122	0.	0.
175	1.31875	VCOMP	0.01122	0.	0.
175	1.75833	VCOMP	0.01122	0.	0.
175	2.19792	VCOMP	0.01122	0.	0.
175	2.6375	VCOMP	0.01122	0.	0.
175	0.	VSUCC	-0.01122	0.	0.
175	0.43958	VSUCC	-0.01122	0.	0.
175	0.87917	VSUCC	-0.01122	0.	0.
175	1.31875	VSUCC	-0.01122	0.	0.
175	1.75833	VSUCC	-0.01122	0.	0.
175	2.19792	VSUCC	-0.01122	0.	0.
175	2.6375	VSUCC	-0.01122	0.	0.
175	0.	MUERTA CUB	0.0436	0.	0.
175	0.43958	MUERTA CUB	0.0436	0.	0.02415
175	0.87917	MUERTA CUB	0.0436	0.	0.03865
175	1.31875	MUERTA CUB	0.0436	0.	0.04348
175	1.75833	MUERTA CUB	0.0436	0.	0.03865
175	2.19792	MUERTA CUB	0.0436	0.	0.02415
175	2.6375	MUERTA CUB	0.0436	0.	-4.212E-17
176	0.	DEAD	0.00651	0.	0.
176	0.43958	DEAD	0.00651	0.	0.00431
176	0.87917	DEAD	0.00651	0.	0.00689
176	1.31875	DEAD	0.00651	0.	0.00775
176	1.75833	DEAD	0.00651	0.	0.00689
176	2.19792	DEAD	0.00651	0.	0.00431
176	2.6375	DEAD	0.00651	0.	-5.345E-18
176	0.	VIVA CUB	0.01395	0.	0.
176	0.43958	VIVA CUB	0.01395	0.	0.
176	0.87917	VIVA CUB	0.01395	0.	0.
176	1.31875	VIVA CUB	0.01395	0.	0.
176	1.75833	VIVA CUB	0.01395	0.	0.
176	2.19792	VIVA CUB	0.01395	0.	0.
176	2.6375	VIVA CUB	0.01395	0.	0.
176	0.	VCOMP	0.01116	0.	0.
176	0.43958	VCOMP	0.01116	0.	0.
176	0.87917	VCOMP	0.01116	0.	0.
176	1.31875	VCOMP	0.01116	0.	0.
176	1.75833	VCOMP	0.01116	0.	0.
176	2.19792	VCOMP	0.01116	0.	0.
176	2.6375	VCOMP	0.01116	0.	0.
176	0.	VSUCC	-0.01116	0.	0.
176	0.43958	VSUCC	-0.01116	0.	0.
176	0.87917	VSUCC	-0.01116	0.	0.
176	1.31875	VSUCC	-0.01116	0.	0.
176	1.75833	VSUCC	-0.01116	0.	0.
176	2.19792	VSUCC	-0.01116	0.	0.
176	2.6375	VSUCC	-0.01116	0.	0.
176	0.	MUERTA CUB	0.04272	0.	0.
176	0.43958	MUERTA CUB	0.04272	0.	0.02415
176	0.87917	MUERTA CUB	0.04272	0.	0.03865
176	1.31875	MUERTA CUB	0.04272	0.	0.04348

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
176	1.75833	MUERTA CUB	0.04272	0.	0.03865
176	2.19792	MUERTA CUB	0.04272	0.	0.02415
176	2.6375	MUERTA CUB	0.04272	0.	-3.010E-19
177	0.	DEAD	5.580E-05	0.	0.
177	1.34084	DEAD	5.580E-05	0.	0.00788
177	2.68169	DEAD	5.580E-05	0.	-1.331E-17
177	0.	VIVA CUB	-0.00218	0.	0.
177	1.34084	VIVA CUB	-0.00218	0.	0.
177	2.68169	VIVA CUB	-0.00218	0.	0.
177	0.	VCOMP	-0.00174	0.	0.
177	1.34084	VCOMP	-0.00174	0.	0.
177	2.68169	VCOMP	-0.00174	0.	0.
177	0.	VSUCC	0.00174	0.	0.
177	1.34084	VSUCC	0.00174	0.	0.
177	2.68169	VSUCC	0.00174	0.	0.
177	0.	MUERTA CUB	0.0009	0.	0.
177	1.34084	MUERTA CUB	0.0009	0.	0.04421
177	2.68169	MUERTA CUB	0.0009	0.	-3.445E-17
178	0.	DEAD	-5.580E-05	0.	0.
178	1.34084	DEAD	-5.580E-05	0.	0.00788
178	2.68169	DEAD	-5.580E-05	0.	-1.331E-17
178	0.	VIVA CUB	0.00218	0.	0.
178	1.34084	VIVA CUB	0.00218	0.	0.
178	2.68169	VIVA CUB	0.00218	0.	0.
178	0.	VCOMP	0.00174	0.	0.
178	1.34084	VCOMP	0.00174	0.	0.
178	2.68169	VCOMP	0.00174	0.	0.
178	0.	VSUCC	-0.00174	0.	0.
178	1.34084	VSUCC	-0.00174	0.	0.
178	2.68169	VSUCC	-0.00174	0.	0.
178	0.	MUERTA CUB	-0.0009	0.	0.
178	1.34084	MUERTA CUB	-0.0009	0.	0.04421
178	2.68169	MUERTA CUB	-0.0009	0.	-3.445E-17
179	0.	DEAD	-0.00651	0.	0.
179	0.43958	DEAD	-0.00651	0.	0.00431
179	0.87917	DEAD	-0.00651	0.	0.00689
179	1.31875	DEAD	-0.00651	0.	0.00775
179	1.75833	DEAD	-0.00651	0.	0.00689
179	2.19792	DEAD	-0.00651	0.	0.00431
179	2.6375	DEAD	-0.00651	0.	5.612E-18
179	0.	VIVA CUB	-0.01395	0.	0.
179	0.43958	VIVA CUB	-0.01395	0.	0.
179	0.87917	VIVA CUB	-0.01395	0.	0.
179	1.31875	VIVA CUB	-0.01395	0.	0.
179	1.75833	VIVA CUB	-0.01395	0.	0.
179	2.19792	VIVA CUB	-0.01395	0.	0.
179	2.6375	VIVA CUB	-0.01395	0.	0.
179	0.	VCOMP	-0.01116	0.	0.
179	0.43958	VCOMP	-0.01116	0.	0.
179	0.87917	VCOMP	-0.01116	0.	0.
179	1.31875	VCOMP	-0.01116	0.	0.
179	1.75833	VCOMP	-0.01116	0.	0.
179	2.19792	VCOMP	-0.01116	0.	0.
179	2.6375	VCOMP	-0.01116	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
179	0.	VSUCC	0.01116	0.	0.
179	0.43958	VSUCC	0.01116	0.	0.
179	0.87917	VSUCC	0.01116	0.	0.
179	1.31875	VSUCC	0.01116	0.	0.
179	1.75833	VSUCC	0.01116	0.	0.
179	2.19792	VSUCC	0.01116	0.	0.
179	2.6375	VSUCC	0.01116	0.	0.
179	0.	MUERTA CUB	-0.04272	0.	0.
179	0.43958	MUERTA CUB	-0.04272	0.	0.02415
179	0.87917	MUERTA CUB	-0.04272	0.	0.03865
179	1.31875	MUERTA CUB	-0.04272	0.	0.04348
179	1.75833	MUERTA CUB	-0.04272	0.	0.03865
179	2.19792	MUERTA CUB	-0.04272	0.	0.02415
179	2.6375	MUERTA CUB	-0.04272	0.	-4.212E-17
180	0.	DEAD	0.00109	0.	0.
180	1.4966	DEAD	0.00109	0.	0.01064
180	2.99319	DEAD	0.00109	0.	1.304E-17
180	0.	VIVA CUB	0.00466	0.	0.
180	1.4966	VIVA CUB	0.00466	0.	0.
180	2.99319	VIVA CUB	0.00466	0.	0.
180	0.	VCOMP	0.00373	0.	0.
180	1.4966	VCOMP	0.00373	0.	0.
180	2.99319	VCOMP	0.00373	0.	0.
180	0.	VSUCC	-0.00373	0.	0.
180	1.4966	VSUCC	-0.00373	0.	0.
180	2.99319	VSUCC	-0.00373	0.	0.
180	0.	MUERTA CUB	0.00672	0.	0.
180	1.4966	MUERTA CUB	0.00672	0.	0.
180	2.99319	MUERTA CUB	0.00672	0.	0.
181	0.	DEAD	-0.00109	0.	0.
181	1.4966	DEAD	-0.00109	0.	0.01064
181	2.99319	DEAD	-0.00109	0.	9.454E-20
181	0.	VIVA CUB	-0.00466	0.	0.
181	1.4966	VIVA CUB	-0.00466	0.	0.
181	2.99319	VIVA CUB	-0.00466	0.	0.
181	0.	VCOMP	-0.00373	0.	0.
181	1.4966	VCOMP	-0.00373	0.	0.
181	2.99319	VCOMP	-0.00373	0.	0.
181	0.	VSUCC	0.00373	0.	0.
181	1.4966	VSUCC	0.00373	0.	0.
181	2.99319	VSUCC	0.00373	0.	0.
181	0.	MUERTA CUB	-0.00672	0.	0.
181	1.4966	MUERTA CUB	-0.00672	0.	0.
181	2.99319	MUERTA CUB	-0.00672	0.	0.
182	0.	DEAD	-0.00104	0.00793	-0.00404
182	1.4966	DEAD	-0.00104	0.00214	0.0054
182	2.99319	DEAD	-0.00104	-0.00366	-0.00644
182	0.	VIVA CUB	-0.00457	0.03467	0.00615
182	1.4966	VIVA CUB	-0.00457	0.00942	0.00198
182	2.99319	VIVA CUB	-0.00457	-0.01582	-0.00193
182	0.	VCOMP	0.00365	0.02773	0.00492
182	1.4966	VCOMP	-0.00365	0.00754	0.00158
182	2.99319	VCOMP	-0.00365	-0.01266	-0.00176
182	0.	VSUCC	0.00365	-0.02773	-0.00492

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station	OutputCase	T	M2	M3	
	m		Tonf-m	Tonf-m	Tonf-m	
182	1.4966	VSUCC	0.00365	-0.00754	-0.00158	
182	2.99319	VSUCC	0.00365	0.01266	0.00176	
182	0.	MUERTA CUB	-0.00646	0.04901	0.00584	
182	1.4966	MUERTA CUB	-0.00646	0.01319	0.00188	
182	2.99319	MUERTA CUB	-0.00646	-0.02264	-0.00209	
183	0.	DEAD	0.00104	-0.00793	-0.00404	
183	1.4966	DEAD	0.00104	-0.00214	0.0054	
183	2.99319	DEAD	0.00104	0.00366	-0.00644	
183	0.	VIVA CUB	0.00457	-0.03467	0.00615	
183	1.4966	VIVA CUB	0.00457	-0.00942	0.00198	
183	2.99319	VIVA CUB	0.00457	0.01582	-0.00219	
183	0.	VCOMP	0.00365	-0.02773	0.00492	
183	1.4966	VCOMP	0.00365	-0.00754	0.00158	
183	2.99319	VCOMP	0.00365	0.01266	-0.00176	
183	0.	VSUCC	-0.00365	0.02773	-0.00492	
183	1.4966	VSUCC	-0.00365	0.00754	-0.00158	
183	2.99319	VSUCC	-0.00365	-0.01266	0.00176	
183	0.	MUERTA CUB	0.00646	-0.04901	0.00584	
183	1.4966	MUERTA CUB	0.00646	-0.01319	0.00188	
183	2.99319	MUERTA CUB	0.00646	0.02264	-0.00209	
184	0.	DEAD	-0.00025	0.00179	-0.00507	
184	1.4966	DEAD	-0.00025	0.0005	0.00507	
184	2.99319	DEAD	-0.00025	-0.00078	-0.00607	
184	0.	VIVA CUB	-0.00104	0.00741	0.00166	
184	1.4966	VIVA CUB	-0.00104	0.00211	0.00055	
184	2.99319	VIVA CUB	-0.00104	-0.0032	-0.00057	
184	0.	VCOMP	-0.00083	0.00593	0.00133	
184	1.4966	VCOMP	-0.00083	0.00169	0.00044	
184	2.99319	VCOMP	-0.00083	-0.00256	-0.00046	
184	0.	VSUCC	0.00083	-0.00593	-0.00133	
184	1.4966	VSUCC	0.00083	-0.00169	-0.00044	
184	2.99319	VSUCC	0.00083	0.00256	0.00046	
184	0.	MUERTA CUB	-0.00154	0.01099	-0.00052	
184	1.4966	MUERTA CUB	-0.00154	0.00309	-0.00015	
184	2.99319	MUERTA CUB	-0.00154	-0.00481	0.00021	
185	0.	DEAD	0.00025	-0.00179	-0.00507	
185	1.4966	DEAD	0.00025	-0.0005	0.00507	
185	2.99319	DEAD	0.00025	0.00078	-0.00607	
185	0.	VIVA CUB	0.00104	-0.00741	0.00166	
185	1.4966	VIVA CUB	0.00104	-0.00211	0.00055	
185	2.99319	VIVA CUB	0.00104	0.0032	-0.00057	
185	0.	VCOMP	0.00083	-0.00593	0.00133	
185	1.4966	VCOMP	0.00083	-0.00169	0.00044	
185	2.99319	VCOMP	0.00083	0.00256	-0.00046	
185	0.	VSUCC	-0.00083	0.00593	-0.00133	
185	1.4966	VSUCC	-0.00083	0.00169	-0.00044	
185	2.99319	VSUCC	-0.00083	-0.00256	0.00046	
185	0.	MUERTA CUB	0.00154	-0.01099	-0.00052	
185	1.4966	MUERTA CUB	0.00154	-0.00309	-0.00015	
185	2.99319	MUERTA CUB	0.00154	0.00481	0.00021	
186	0.	DEAD	0.00027	-0.00211	-0.00506	
186	1.4966	DEAD	0.00027	-0.00055	0.00507	
186	2.99319	DEAD	0.00027	0.00102	-0.00608	
186	0.	VIVA CUB	0.0012	-0.00935	0.00155	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station	OutputCase	T	M2	M3	
	m		Tonf-m	Tonf-m	Tonf-m	
186	1.4966	VIVA CUB	0.0012	-0.00244	0.00051	
186	2.99319	VIVA CUB	0.0012	0.00448	-0.00053	
186	0.	VCOMP	0.00096	-0.00748	0.00124	
186	1.4966	VCOMP	0.00096	-0.00195	0.00041	
186	2.99319	VCOMP	0.00096	0.00358	-0.00042	
186	0.	VSUCC	-0.00096	0.00748	-0.00124	
186	1.4966	VSUCC	-0.00096	0.00195	-0.00041	
186	2.99319	VSUCC	-0.00096	-0.00358	0.00042	
186	0.	MUERTA CUB	0.00167	-0.01303	-0.00058	
186	1.4966	MUERTA CUB	0.00167	-0.00335	-0.00018	
186	2.99319	MUERTA CUB	0.00167	0.00633	0.00023	
187	0.	DEAD	-0.00027	0.00211	-0.00506	
187	1.4966	DEAD	-0.00027	0.00055	0.00507	
187	2.99319	DEAD	-0.00027	-0.00102	-0.00608	
187	0.	VIVA CUB	-0.0012	0.00935	0.00155	
187	1.4966	VIVA CUB	-0.0012	0.00244	0.00051	
187	2.99319	VIVA CUB	-0.0012	-0.00448	-0.00053	
187	0.	VCOMP	-0.00096	0.00748	0.00124	
187	1.4966	VCOMP	-0.00096	0.00195	0.00041	
187	2.99319	VCOMP	-0.00096	-0.00358	-0.00042	
187	0.	VSUCC	0.00096	-0.00748	-0.00124	
187	1.4966	VSUCC	0.00096	-0.00195	-0.00041	
187	2.99319	VSUCC	0.00096	0.00358	0.00042	
187	0.	MUERTA CUB	-0.00167	0.01303	-0.00058	
187	1.4966	MUERTA CUB	-0.00167	0.00335	-0.00018	
187	2.99319	MUERTA CUB	-0.00167	-0.00633	0.00023	

10. Material take-off

This section provides a material take-off.

Table 25: Material List 2 - By Section Property

Table 25: Material List 2 - By Section Property					
Section	ObjectType	NumPieces	TotalLength	TotalWeight	
			m	Tonf	
PTE50X100X4m	Frame	41	85.55514	0.7629	
W-90X140	Frame	28	56.87742	0.6135	
W2-90X140	Frame	48	97.06521	2.0938	

11. Design preferences

This section provides the design preferences for each type of design, which typically include material reduction factors, framing type, stress ratio limit, deflection limits, and other code specific items.

11.1. Steel design

Table 26: Preferences - Steel Design - AISC 360-16, Part 1 of 4

Table 26: Preferences - Steel Design - AISC 360-16, Part 1 of 4							
THDesign	FrameType	PatLLF	SRatioLimit	MaxIter	SDC	SeisCode	SeisLoad
Envelopes	OMF	0.75	1.	1	D	Yes	Yes

Table 26: Preferences - Steel Design - AISC 360-16, Part 2 of 4

Table 26: Preferences - Steel Design - AISC 360-16, Part 2 of 4							
SystemRho	SystemSds	SystemR	SystemCd	OmegaB	Provision	AMethod	SOMethod
1.	0.5	8.	5.5	3.	LRFD	Direct Analysis	General 2nd Order

Table 26: Preferences - Steel Design - AISC 360-16, Part 3 of 4

Table 26: Preferences - Steel Design - AISC 360-16, Part 3 of 4							
NLCoeff	PhiB	PhiC	PhiTY	PhiTF	PhiV	PhiVRolled	PhiVT
0.002	0.9	0.9	0.9	0.75	0.9	1.	0.9

Table 26: Preferences - Steel Design - AISC 360-16, Part 4 of 4

Table 26: Preferences - Steel Design - AISC 360-16, Part 4 of 4							
HSSWelding	HSSReduceT	CheckDefl	DLRat	SDLAndLLRat	LLRat	TotalRat	NetRat
ERW	No	No	120.	120.	360.	240.	240.

11.2. Concrete design

Table 27: Preferences - Concrete Design - ACI 318-14, Part 1 of 2

Table 27: Preferences - Concrete Design - ACI 318-14, Part 1 of 2							
THDesign	NumCurves	NumPoints	MinEccen	PatLLF	UFLimit	SeisCat	Rho
Envelopes	24	11	Yes	0.75	0.95	D	1.

Table 27: Preferences - Concrete Design - ACI 318-14, Part 2 of 2

Table 27: Preferences - Concrete Design - ACI 318-14, Part 2 of 2					
PHIT	PHICTied	PHICSPiral	PhiV	PhiVSeismic	PhiVJoint
0.9	0.65	0.75	0.75	0.6	0.85

11.3. Aluminum design

Table 28: Preferences - Aluminum Design - AA 2015, Part 1 of 2

Table 28: Preferences - Aluminum Design - AA 2015, Part 1 of 2							
THDesign	SRatioLimit	Provision	LatFact	UseLatFact	Bridge	PhiTy	PhiTr
Envelopes	1.	LRFD	1.333333	No	No	0.9	0.75

Table 28: Preferences - Aluminum Design - AA 2015, Part 2 of 2

Table 28: Preferences - Aluminum Design - AA 2015, Part 2 of 2			
PhiBo	PhiBr	PhiVo	PhiVr
0.9	0.75	0.9	0.75

11.4. Cold formed design

Table 29: Preferences - Cold Formed Design - AISI-16, Part 1 of 2

Table 29: Preferences - Cold Formed Design - AISI-16, Part 1 of 2							
THDesign	FrameType	SRatioLimit	SOMethod	Provision	LatFact	UseLatFact	PhiTy
Envelopes	Braced Frame	1.	General 2nd Order	LRFD	1.333333	No	0.9

Table 29: Preferences - Cold Formed Design - AISI-16, Part 2 of 2

Table 29: Preferences - Cold Formed Design - AISI-16, Part 2 of 2			
PhiC	PhiB	PhiBPIPE	PhiV
0.85	0.9	0.95	0.95

12. Design overwrites

This section provides the design overwrites for each type of design, which are assigned to individual members of the structure.

12.1. Steel design

Table 30: Overwrites - Steel Design - AISC 360-16, Part 4 of 7							
Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc	Pnt	Mn3
					Tonf	Tonf	Tonf-m
177	Program Determined	Program Determined	0.	0.	0.	0.	0.
178	Program Determined	Program Determined	0.	0.	0.	0.	0.
179	Program Determined	Program Determined	0.	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 5 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 5 of 7							
Frame	Mn2	Vn2	Vn3	CheckDefl	DeflType	DLRat	SDLAndLLRat
	Tonf-m	Tonf	Tonf				
134	0.	0.	0.	Program Determined	Program Determined	0.	0.
135	0.	0.	0.	Program Determined	Program Determined	0.	0.
136	0.	0.	0.	Program Determined	Program Determined	0.	0.
137	0.	0.	0.	Program Determined	Program Determined	0.	0.
138	0.	0.	0.	Program Determined	Program Determined	0.	0.
144	0.	0.	0.	Program Determined	Program Determined	0.	0.
145	0.	0.	0.	Program Determined	Program Determined	0.	0.
146	0.	0.	0.	Program Determined	Program Determined	0.	0.
147	0.	0.	0.	Program Determined	Program Determined	0.	0.
148	0.	0.	0.	Program Determined	Program Determined	0.	0.
149	0.	0.	0.	Program Determined	Program Determined	0.	0.
150	0.	0.	0.	Program Determined	Program Determined	0.	0.
151	0.	0.	0.	Program Determined	Program Determined	0.	0.
152	0.	0.	0.	Program Determined	Program Determined	0.	0.
153	0.	0.	0.	Program Determined	Program Determined	0.	0.
154	0.	0.	0.	Program Determined	Program Determined	0.	0.
155	0.	0.	0.	Program Determined	Program Determined	0.	0.
156	0.	0.	0.	Program Determined	Program Determined	0.	0.
157	0.	0.	0.	Program Determined	Program Determined	0.	0.
158	0.	0.	0.	Program Determined	Program Determined	0.	0.
159	0.	0.	0.	Program Determined	Program Determined	0.	0.
160	0.	0.	0.	Program Determined	Program Determined	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 5 of 7							
Frame	Mn2	Vn2	Vn3	CheckDefl	DeflType	DLRat	SDLAndLLRat
	Tonf-m	Tonf	Tonf				
161	0.	0.	0.	Program Determined	Program Determined	0.	0.
162	0.	0.	0.	Program Determined	Program Determined	0.	0.
163	0.	0.	0.	Program Determined	Program Determined	0.	0.
164	0.	0.	0.	Program Determined	Program Determined	0.	0.
165	0.	0.	0.	Program Determined	Program Determined	0.	0.
166	0.	0.	0.	Program Determined	Program Determined	0.	0.
167	0.	0.	0.	Program Determined	Program Determined	0.	0.
168	0.	0.	0.	Program Determined	Program Determined	0.	0.
169	0.	0.	0.	Program Determined	Program Determined	0.	0.
170	0.	0.	0.	Program Determined	Program Determined	0.	0.
171	0.	0.	0.	Program Determined	Program Determined	0.	0.
172	0.	0.	0.	Program Determined	Program Determined	0.	0.
173	0.	0.	0.	Program Determined	Program Determined	0.	0.
174	0.	0.	0.	Program Determined	Program Determined	0.	0.
175	0.	0.	0.	Program Determined	Program Determined	0.	0.
176	0.	0.	0.	Program Determined	Program Determined	0.	0.
177	0.	0.	0.	Program Determined	Program Determined	0.	0.
178	0.	0.	0.	Program Determined	Program Determined	0.	0.
179	0.	0.	0.	Program Determined	Program Determined	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7							
Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
	m	m	m	m	m	m	m
134	0.	0.	0.	0.	0.	0.	0.
135	0.	0.	0.	0.	0.	0.	0.
136	0.	0.	0.	0.	0.	0.	0.
137	0.	0.	0.	0.	0.	0.	0.
138	0.	0.	0.	0.	0.	0.	0.
144	0.	0.	0.	0.	0.	0.	0.
145	0.	0.	0.	0.	0.	0.	0.
146	0.	0.	0.	0.	0.	0.	0.
147	0.	0.	0.	0.	0.	0.	0.
148	0.	0.	0.	0.	0.	0.	0.
149	0.	0.	0.	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7							
Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
150	0.	0.	0.	0.	0.	0.	0.
151	0.	0.	0.	0.	0.	0.	0.
152	0.	0.	0.	0.	0.	0.	0.
153	0.	0.	0.	0.	0.	0.	0.
154	0.	0.	0.	0.	0.	0.	0.
155	0.	0.	0.	0.	0.	0.	0.
156	0.	0.	0.	0.	0.	0.	0.
157	0.	0.	0.	0.	0.	0.	0.
158	0.	0.	0.	0.	0.	0.	0.
159	0.	0.	0.	0.	0.	0.	0.
160	0.	0.	0.	0.	0.	0.	0.
161	0.	0.	0.	0.	0.	0.	0.
162	0.	0.	0.	0.	0.	0.	0.
163	0.	0.	0.	0.	0.	0.	0.
164	0.	0.	0.	0.	0.	0.	0.
165	0.	0.	0.	0.	0.	0.	0.
166	0.	0.	0.	0.	0.	0.	0.
167	0.	0.	0.	0.	0.	0.	0.
168	0.	0.	0.	0.	0.	0.	0.
169	0.	0.	0.	0.	0.	0.	0.
170	0.	0.	0.	0.	0.	0.	0.
171	0.	0.	0.	0.	0.	0.	0.
172	0.	0.	0.	0.	0.	0.	0.
173	0.	0.	0.	0.	0.	0.	0.
174	0.	0.	0.	0.	0.	0.	0.
175	0.	0.	0.	0.	0.	0.	0.
176	0.	0.	0.	0.	0.	0.	0.
177	0.	0.	0.	0.	0.	0.	0.
178	0.	0.	0.	0.	0.	0.	0.
179	0.	0.	0.	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7			
Frame	NetAbs	SpecCamber	DCLimit
	m	m	
134	0.	0.	0.
135	0.	0.	0.
136	0.	0.	0.
137	0.	0.	0.
138	0.	0.	0.
144	0.	0.	0.
145	0.	0.	0.
146	0.	0.	0.
147	0.	0.	0.
148	0.	0.	0.
149	0.	0.	0.
150	0.	0.	0.
151	0.	0.	0.
152	0.	0.	0.
153	0.	0.	0.
154	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7

Frame	NetAbs	SpecCamber	DCLimit
	m	m	
155	0.	0.	0.
156	0.	0.	0.
157	0.	0.	0.
158	0.	0.	0.
159	0.	0.	0.
160	0.	0.	0.
161	0.	0.	0.
162	0.	0.	0.
163	0.	0.	0.
164	0.	0.	0.
165	0.	0.	0.
166	0.	0.	0.
167	0.	0.	0.
168	0.	0.	0.
169	0.	0.	0.
170	0.	0.	0.
171	0.	0.	0.
172	0.	0.	0.
173	0.	0.	0.
174	0.	0.	0.
175	0.	0.	0.
176	0.	0.	0.
177	0.	0.	0.
178	0.	0.	0.
179	0.	0.	0.

13. Design summary

This section provides the design summary for each type of design, which highlights the controlling demand/capacity ratio and it's associated combination and location in each member.

13.1. Steel design

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2					
Frame	DesignSect	DesignType	Status	Ratio	RatioType
134	PTE50X100X4mm	Beam	No Messages	0.862788	PMM
135	PTE50X100X4mm	Beam	No Messages	0.826731	PMM
136	PTE50X100X4mm	Beam	No Messages	0.171545	PMM
137	PTE50X100X4mm	Beam	No Messages	0.840087	PMM
138	PTE50X100X4mm	Beam	No Messages	0.904081	PMM
144	PTE50X100X4mm	Beam	No Messages	0.862788	PMM
145	PTE50X100X4mm	Beam	No Messages	0.826731	PMM
146	PTE50X100X4mm	Beam	No Messages	0.171545	PMM
147	PTE50X100X4mm	Beam	No Messages	0.840087	PMM
148	PTE50X100X4mm	Beam	No Messages	0.904081	PMM
149	PTE50X100X4mm	Beam	No Messages	0.835568	PMM

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2					
Frame	DesignSect	DesignType	Status	Ratio	RatioType
150	PTE50X100X4mm	Beam	No Messages	0.557192	PMM
151	PTE50X100X4mm	Beam	No Messages	0.121589	PMM
152	PTE50X100X4mm	Beam	No Messages	0.589299	PMM
153	PTE50X100X4mm	Beam	No Messages	0.874347	PMM
154	PTE50X100X4mm	Beam	No Messages	0.689966	PMM
155	PTE50X100X4mm	Beam	No Messages	0.23164	PMM
156	PTE50X100X4mm	Beam	No Messages	0.101617	PMM
157	PTE50X100X4mm	Beam	No Messages	0.259148	PMM
158	PTE50X100X4mm	Beam	No Messages	0.724905	PMM
159	PTE50X100X4mm	Column	No Messages	0.494626	PMM
160	PTE50X100X4mm	Column	No Messages	0.052207	PMM
161	PTE50X100X4mm	Column	No Messages	0.083894	PMM
162	PTE50X100X4mm	Column	No Messages	0.506076	PMM
163	PTE50X100X4mm	Beam	No Messages	0.689966	PMM
164	PTE50X100X4mm	Beam	No Messages	0.23164	PMM
165	PTE50X100X4mm	Beam	No Messages	0.101617	PMM
166	PTE50X100X4mm	Beam	No Messages	0.259148	PMM
167	PTE50X100X4mm	Beam	No Messages	0.724905	PMM
168	PTE50X100X4mm	Column	No Messages	0.494626	PMM
169	PTE50X100X4mm	Column	No Messages	0.052207	PMM
170	PTE50X100X4mm	Column	No Messages	0.083894	PMM
171	PTE50X100X4mm	Column	No Messages	0.506076	PMM
172	PTE50X100X4mm	Beam	No Messages	0.044831	PMM
173	PTE50X100X4mm	Brace	No Messages	0.046462	PMM
174	PTE50X100X4mm	Brace	No Messages	0.046462	PMM
175	PTE50X100X4mm	Beam	No Messages	0.044831	PMM
176	PTE50X100X4mm	Beam	No Messages	0.044828	PMM
177	PTE50X100X4mm	Brace	No Messages	0.046494	PMM
178	PTE50X100X4mm	Brace	No Messages	0.046494	PMM
179	PTE50X100X4mm	Beam	No Messages	0.044828	PMM

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2				
Frame	Combo	Location m	ErrMsg	WarnMsg
134	COMB2	0.	No Messages	No Messages
135	COMB2	0.	No Messages	No Messages
136	COMB2	1.458	No Messages	No Messages
137	COMB2	2.43	No Messages	No Messages
138	COMB2	0.	No Messages	No Messages
144	COMB2	0.	No Messages	No Messages
145	COMB2	0.	No Messages	No Messages
146	COMB2	1.458	No Messages	No Messages
147	COMB2	2.43	No Messages	No Messages
148	COMB2	0.	No Messages	No Messages
149	COMB2	0.	No Messages	No Messages
150	COMB2	0.	No Messages	No Messages
151	COMB2	1.458	No Messages	No Messages
152	COMB2	2.43	No Messages	No Messages
153	COMB2	0.	No Messages	No Messages
154	COMB2	0.	No Messages	No Messages
155	COMB2	0.	No Messages	No Messages

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2				
Frame	Combo	Location m	ErrMsg	WarnMsg
156	COMB2	2.43	No Messages	No Messages
157	COMB2	2.43	No Messages	No Messages
158	COMB2	0.	No Messages	No Messages
159	COMB2	0.4848	No Messages	No Messages
160	COMB2	0.4848	No Messages	No Messages
161	COMB2	0.4848	No Messages	No Messages
162	COMB2	0.4848	No Messages	No Messages
163	COMB2	0.	No Messages	No Messages
164	COMB2	0.	No Messages	No Messages
165	COMB2	2.43	No Messages	No Messages
166	COMB2	2.43	No Messages	No Messages
167	COMB2	0.	No Messages	No Messages
168	COMB2	0.4848	No Messages	No Messages
169	COMB2	0.4848	No Messages	No Messages
170	COMB2	0.4848	No Messages	No Messages
171	COMB2	0.4848	No Messages	No Messages
172	COMB2	1.31875	No Messages	No Messages
173	COMB2	1.34084	No Messages	No Messages
174	COMB2	1.34084	No Messages	No Messages
175	COMB2	1.31875	No Messages	No Messages
176	COMB2	1.31875	No Messages	No Messages
177	COMB2	1.34084	No Messages	No Messages
178	COMB2	1.34084	No Messages	No Messages
179	COMB2	1.31875	No Messages	No Messages



License #dztpB7obmi0143+OT5VQ

SAP2000 Analysis Report

Prepared by
CEYCO

Model Name: CERCHA 2.sdb

12 septiembre 2024

CERCHA 2.sdb
Contents

SAP2000 v23.0.0 - License #dztpB7obmi0143+OT5VQ
12 septiembre 2024

Contents

1. Model geometry	4
1.1. Joint coordinates	4
1.2. Joint restraints	7
1.3. Element connectivity	7
2. Material properties	18
3. Section properties	19
3.1. Frames	19
3.2. Solids	25
4. Load patterns	25
4.1. Definitions	25
5. Load cases	25
5.1. Definitions	25
5.2. Static case load assignments	26
5.3. Response spectrum case load assignments	26
6. Load combinations	26
7. Structure results	28
7.1. Mass summary	28
7.2. Modal results	33
7.3. Base reactions	33
8. Joint results	33
9. Frame results	46
10. Material take-off	184
11. Design preferences	184
11.1. Steel design	184
11.2. Concrete design	185
11.3. Aluminum design	185
11.4. Cold formed design	185
12. Design overwrites	186
12.1. Steel design	186
13. Design summary	200
13.1. Steel design	200

List of Figures

Figure 1: Finite element model	4
Figure 2: Deformed shape	28

List of Tables

Table 1: Joint Coordinates	4
Table 2: Joint Restraint Assignments	7
Table 3: Connectivity - Frame	7
Table 4: Frame Section Assignments	11
Table 5: Frame Release Assignments 1 - General, Part 1 of 2	16
Table 5: Frame Release Assignments 1 - General, Part 2 of 2	17
Table 6: Material Properties 02 - Basic Mechanical Properties	18
Table 7: Material Properties 03a - Steel Data	18
Table 8: Material Properties 03b - Concrete Data	19
Table 9: Material Properties 03c - Rebar Data	19
Table 10: Material Properties 03f - Tendon Data	19

CEYCO

Page 2 of 204

CERCHA 2.sdb
List of Tables

SAP2000 v23.0.0 - License #dztpB7obmi0143+OT5VQ
12 septiembre 2024

Table 11: Frame Section Properties 01 - General, Part 1 of 5	19
Table 11: Frame Section Properties 01 - General, Part 2 of 5	20
Table 11: Frame Section Properties 01 - General, Part 3 of 5	20
Table 11: Frame Section Properties 01 - General, Part 4 of 5	20
Table 11: Frame Section Properties 01 - General, Part 5 of 5	21
Table 12: Frame Property Modifiers, Part 1 of 2	21
Table 12: Frame Property Modifiers, Part 2 of 2	23
Table 13: Solid Property Definitions	25
Table 14: Load Pattern Definitions	25
Table 15: Load Case Definitions, Part 1 of 2	25
Table 15: Load Case Definitions, Part 2 of 2	26
Table 16: Case - Static 1 - Load Assignments	26
Table 17: Function - Response Spectrum - User	26
Table 18: Combination Definitions	27
Table 19: Assembled Joint Masses, Part 1 of 2	28
Table 19: Assembled Joint Masses, Part 2 of 2	30
Table 20: Modal Participating Mass Ratios	33
Table 21: Base Reactions	33
Table 22: Joint Displacements	33
Table 23: Joint Reactions	44
Table 24: Element Forces - Frames, Part 1 of 2	46
Table 24: Element Forces - Frames, Part 2 of 2	115
Table 25: Material List 2 - By Section Property	184
Table 26: Preferences - Steel Design - AISC 360-16, Part 1 of 4	184
Table 26: Preferences - Steel Design - AISC 360-16, Part 2 of 4	184
Table 26: Preferences - Steel Design - AISC 360-16, Part 3 of 4	184
Table 26: Preferences - Steel Design - AISC 360-16, Part 4 of 4	185
Table 27: Preferences - Concrete Design - ACI 318-14, Part 1 of 2	185
Table 27: Preferences - Concrete Design - ACI 318-14, Part 2 of 2	185
Table 28: Preferences - Aluminum Design - AA 2015, Part 1 of 2	185
Table 28: Preferences - Aluminum Design - AA 2015, Part 2 of 2	185
Table 29: Preferences - Cold Formed Design - AISI-16, Part 1 of 2	186
Table 29: Preferences - Cold Formed Design - AISI-16, Part 2 of 2	186
Table 30: Overwrites - Steel Design - AISC 360-16, Part 1 of 7	186
Table 30: Overwrites - Steel Design - AISC 360-16, Part 2 of 7	188
Table 30: Overwrites - Steel Design - AISC 360-16, Part 3 of 7	189
Table 30: Overwrites - Steel Design - AISC 360-16, Part 4 of 7	191
Table 30: Overwrites - Steel Design - AISC 360-16, Part 5 of 7	194
Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7	197
Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7	199
Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2	200
Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2	202

CEYCO

Page 3 of 204

CERCHA 2.sdb
1. Model geometry

SAP2000 v23.0.0 - License #dztpB7obmi0143+OT5VQ
12 septiembre 2024

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

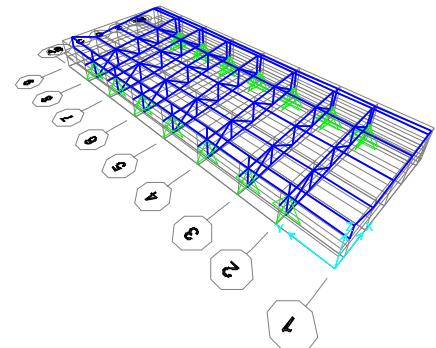


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Joint	CoordSys	Table 1: Joint Coordinates			
		CoordType	GlobalX m	GlobalY m	GlobalZ m
6	GLOBAL	Cartesian	0.475	2.08	1.5074
7	GLOBAL	Cartesian	0.475	0.	1.5073
8	GLOBAL	Cartesian	0.475	3.73	1.5074
9	GLOBAL	Cartesian	0.475	5.73	1.5074
10	GLOBAL	Cartesian	0.475	7.73	1.5074

CEYCO

Page 4 of 204

Table 1: Joint Coordinates						
Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m	
11	GLOBAL	Cartesian	0.475	9.73	1.5074	
12	GLOBAL	Cartesian	0.475	11.73	1.5074	
13	GLOBAL	Cartesian	0.475	13.68	1.5074	
14	GLOBAL	Cartesian	0.475	15.65	1.5073	
18	GLOBAL	Cartesian	0.475	1.776E-15	0.9327	
21	GLOBAL	Cartesian	0.475	15.65	0.9327	
26	GLOBAL	Cartesian	5.675	1.776E-15	1.5074	
27	GLOBAL	Cartesian	5.9125	0.	1.5074	
28	GLOBAL	Cartesian	5.675	15.65	1.5074	
29	GLOBAL	Cartesian	5.9125	15.65	1.5074	
152	GLOBAL	Cartesian	0.475	2.08	0.9328	
153	GLOBAL	Cartesian	5.675	2.08	1.5074	
154	GLOBAL	Cartesian	0.475	2.08	0.	
155	GLOBAL	Cartesian	5.675	2.08	0.5755	
156	GLOBAL	Cartesian	1.775	2.08	1.07645	
157	GLOBAL	Cartesian	3.075	2.08	1.2201	
158	GLOBAL	Cartesian	4.375	2.08	1.36375	
159	GLOBAL	Cartesian	1.775	2.08	0.14388	
160	GLOBAL	Cartesian	3.075	2.08	0.28775	
161	GLOBAL	Cartesian	4.375	2.08	0.43163	
162	GLOBAL	Cartesian	-5.551E-17	2.08	0.88029	
163	GLOBAL	Cartesian	5.9125	2.08	0.5755	
164	GLOBAL	Cartesian	5.9125	2.08	1.5074	
166	GLOBAL	Cartesian	0.475	3.73	0.9328	
167	GLOBAL	Cartesian	5.675	3.73	1.5074	
168	GLOBAL	Cartesian	0.475	3.73	0.	
169	GLOBAL	Cartesian	5.675	3.73	0.5755	
170	GLOBAL	Cartesian	1.775	3.73	1.07645	
171	GLOBAL	Cartesian	3.075	3.73	1.2201	
172	GLOBAL	Cartesian	4.375	3.73	1.36375	
173	GLOBAL	Cartesian	1.775	3.73	0.14388	
174	GLOBAL	Cartesian	3.075	3.73	0.28775	
175	GLOBAL	Cartesian	4.375	3.73	0.43163	
176	GLOBAL	Cartesian	-5.551E-17	3.73	0.88029	
177	GLOBAL	Cartesian	5.9125	3.73	0.5755	
178	GLOBAL	Cartesian	5.9125	3.73	1.5074	
180	GLOBAL	Cartesian	0.475	5.73	0.9328	
181	GLOBAL	Cartesian	5.675	5.73	1.5074	
182	GLOBAL	Cartesian	0.475	5.73	0.	
183	GLOBAL	Cartesian	5.675	5.73	0.5755	
184	GLOBAL	Cartesian	1.775	5.73	1.07645	
185	GLOBAL	Cartesian	3.075	5.73	1.2201	
186	GLOBAL	Cartesian	4.375	5.73	1.36375	
187	GLOBAL	Cartesian	1.775	5.73	0.14388	
188	GLOBAL	Cartesian	3.075	5.73	0.28775	
189	GLOBAL	Cartesian	4.375	5.73	0.43163	
190	GLOBAL	Cartesian	-5.551E-17	5.73	0.88029	
191	GLOBAL	Cartesian	5.9125	5.73	0.5755	
192	GLOBAL	Cartesian	5.9125	5.73	1.5074	
194	GLOBAL	Cartesian	0.475	7.73	0.9328	
195	GLOBAL	Cartesian	5.675	7.73	1.5074	
196	GLOBAL	Cartesian	0.475	7.73	0.	
197	GLOBAL	Cartesian	5.675	7.73	0.5755	
198	GLOBAL	Cartesian	1.775	7.73	1.07645	

Table 1: Joint Coordinates						
Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m	
199	GLOBAL	Cartesian	3.075	7.73	1.2201	
200	GLOBAL	Cartesian	4.375	7.73	1.36375	
201	GLOBAL	Cartesian	1.775	7.73	0.14388	
202	GLOBAL	Cartesian	3.075	7.73	0.28775	
203	GLOBAL	Cartesian	4.375	7.73	0.43163	
204	GLOBAL	Cartesian	-5.551E-17	7.73	0.88029	
205	GLOBAL	Cartesian	5.9125	7.73	0.5755	
206	GLOBAL	Cartesian	5.9125	7.73	1.5074	
208	GLOBAL	Cartesian	0.475	9.73	0.9328	
209	GLOBAL	Cartesian	5.675	9.73	1.5074	
210	GLOBAL	Cartesian	0.475	9.73	0.	
211	GLOBAL	Cartesian	5.675	9.73	0.5755	
212	GLOBAL	Cartesian	1.775	9.73	1.07645	
213	GLOBAL	Cartesian	3.075	9.73	1.2201	
214	GLOBAL	Cartesian	4.375	9.73	1.36375	
215	GLOBAL	Cartesian	1.775	9.73	0.14388	
216	GLOBAL	Cartesian	3.075	9.73	0.28775	
217	GLOBAL	Cartesian	4.375	9.73	0.43163	
218	GLOBAL	Cartesian	-5.551E-17	9.73	0.88029	
219	GLOBAL	Cartesian	5.9125	9.73	0.5755	
220	GLOBAL	Cartesian	5.9125	9.73	1.5074	
222	GLOBAL	Cartesian	0.475	11.73	0.9328	
223	GLOBAL	Cartesian	5.675	11.73	1.5074	
224	GLOBAL	Cartesian	0.475	11.73	0.	
225	GLOBAL	Cartesian	5.675	11.73	0.5755	
226	GLOBAL	Cartesian	1.775	11.73	1.07645	
227	GLOBAL	Cartesian	3.075	11.73	1.2201	
228	GLOBAL	Cartesian	4.375	11.73	1.36375	
229	GLOBAL	Cartesian	1.775	11.73	0.14388	
230	GLOBAL	Cartesian	3.075	11.73	0.28775	
231	GLOBAL	Cartesian	4.375	11.73	0.43163	
232	GLOBAL	Cartesian	-5.551E-17	11.73	0.88029	
233	GLOBAL	Cartesian	5.9125	11.73	0.5755	
234	GLOBAL	Cartesian	5.9125	11.73	1.5074	
236	GLOBAL	Cartesian	0.475	13.68	0.9328	
237	GLOBAL	Cartesian	5.675	13.68	1.5074	
238	GLOBAL	Cartesian	0.475	13.68	0.	
239	GLOBAL	Cartesian	5.675	13.68	0.5755	
240	GLOBAL	Cartesian	1.775	13.68	1.07645	
241	GLOBAL	Cartesian	3.075	13.68	1.2201	
242	GLOBAL	Cartesian	4.375	13.68	1.36375	
243	GLOBAL	Cartesian	1.775	13.68	0.14388	
244	GLOBAL	Cartesian	3.075	13.68	0.28775	
245	GLOBAL	Cartesian	4.375	13.68	0.43163	
246	GLOBAL	Cartesian	-5.551E-17	13.68	0.88029	
247	GLOBAL	Cartesian	5.9125	13.68	0.5755	
248	GLOBAL	Cartesian	5.9125	13.68	1.5074	
261	GLOBAL	Cartesian	1.775	1.776E-15	1.0764	
262	GLOBAL	Cartesian	1.775	15.65	1.0764	
263	GLOBAL	Cartesian	3.075	1.776E-15	1.2201	
264	GLOBAL	Cartesian	3.075	15.65	1.2201	
265	GLOBAL	Cartesian	4.375	1.776E-15	1.3637	
266	GLOBAL	Cartesian	4.375	15.65	1.3637	

1.2. Joint restraints

Table 2: Joint Restraint Assignments

Table 2: Joint Restraint Assignments						
Joint	U1	U2	U3	R1	R2	R3
152	Yes	Yes	Yes	No	No	No
155	Yes	Yes	Yes	No	No	No
163	Yes	Yes	Yes	No	No	No
166	Yes	Yes	Yes	No	No	No
169	Yes	Yes	Yes	No	No	No
177	Yes	Yes	Yes	No	No	No
180	Yes	Yes	Yes	No	No	No
183	Yes	Yes	Yes	No	No	No
191	Yes	Yes	Yes	No	No	No
194	Yes	Yes	Yes	No	No	No
197	Yes	Yes	Yes	No	No	No
205	Yes	Yes	Yes	No	No	No
208	Yes	Yes	Yes	No	No	No
211	Yes	Yes	Yes	No	No	No
219	Yes	Yes	Yes	No	No	No
222	Yes	Yes	Yes	No	No	No
225	Yes	Yes	Yes	No	No	No
233	Yes	Yes	Yes	No	No	No
236	Yes	Yes	Yes	No	No	No
239	Yes	Yes	Yes	No	No	No
247	Yes	Yes	Yes	No	No	No

1.3. Element connectivity

Table 3: Connectivity - Frame

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
2	261	263	1.30792
3	263	265	1.30791
6	153	167	1.65
7	167	181	2.
8	181	195	2.
9	195	209	2.
10	209	223	2.
11	223	237	1.95
16	262	264	1.30792
17	264	266	1.30791
21	152	166	1.65
22	166	180	2.
23	180	194	2.
24	194	208	2.
25	208	222	2.

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
26	222	236	1.95
32	152	6	0.5746
34	7	6	2.08
35	6	8	1.65
36	8	9	2.
37	9	10	2.
38	10	11	2.
39	11	12	2.
40	12	13	1.95
41	13	14	1.97
43	166	8	0.5746
44	180	9	0.5746
45	194	10	0.5746
46	208	11	0.5746
47	222	12	0.5746
48	236	13	0.5746
49	14	262	1.36955
50	7	261	1.36955
57	154	156	1.68782
58	156	160	1.52054
59	157	161	1.52043
60	158	155	1.52031
61	168	170	1.68782
62	170	174	1.52054
63	171	175	1.52043
64	172	169	1.52031
65	182	184	1.68782
66	184	188	1.52054
67	185	189	1.52043
68	186	183	1.52031
69	196	198	1.68782
70	198	202	1.52054
71	199	203	1.52043
72	200	197	1.52031
73	210	212	1.68782
74	212	216	1.52054
75	213	217	1.52043
76	214	211	1.52031
77	224	226	1.68782
78	226	230	1.52054
79	227	231	1.52043
80	228	225	1.52031
81	238	240	1.68782
82	240	244	1.52054
83	241	245	1.52043
84	242	239	1.52031
85	18	152	2.08
87	236	21	1.97
90	234	220	2.
91	220	206	2.
92	206	192	2.
93	192	178	2.
94	178	164	1.65
95	26	153	2.08

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
96	27	164	2.08
97	234	248	1.95
98	237	28	1.97
99	248	29	1.97
100	266	28	1.30792
101	28	29	0.2375
102	265	26	1.30792
103	26	27	0.2375
104	7	18	0.5746
105	14	21	0.5746
266	155	153	0.9319
267	152	154	0.9328
268	152	156	1.30791
269	156	157	1.30791
270	157	158	1.30791
271	158	153	1.30791
272	154	159	1.30794
273	159	160	1.30794
274	160	161	1.30794
275	161	155	1.30794
276	156	159	0.93258
277	157	160	0.93235
278	158	161	0.93213
283	162	152	0.47789
284	163	164	0.9319
286	169	167	0.9319
287	166	168	0.9328
288	166	170	1.30791
289	170	171	1.30791
290	171	172	1.30791
291	172	167	1.30791
292	168	173	1.30794
293	173	174	1.30794
294	174	175	1.30794
295	175	169	1.30794
296	170	173	0.93258
297	171	174	0.93235
298	172	175	0.93213
303	176	166	0.47789
304	177	178	0.9319
306	183	181	0.9319
307	180	182	0.9328
308	180	184	1.30791
309	184	185	1.30791
310	185	186	1.30791
311	186	181	1.30791
312	182	187	1.30794
313	187	188	1.30794
314	188	189	1.30794
315	189	183	1.30794
316	184	187	0.93258
317	185	188	0.93235
318	186	189	0.93213
323	190	180	0.47789

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
324	191	192	0.9319
326	197	195	0.9319
327	194	196	0.9328
328	194	198	1.30791
329	198	199	1.30791
330	199	200	1.30791
331	200	195	1.30791
332	196	201	1.30794
333	201	202	1.30794
334	202	203	1.30794
335	203	197	1.30794
336	198	201	0.93258
337	199	202	0.93235
338	200	203	0.93213
343	204	194	0.47789
344	205	206	0.9319
346	211	209	0.9319
347	208	210	0.9328
348	208	212	1.30791
349	212	213	1.30791
350	213	214	1.30791
351	214	209	1.30791
352	210	215	1.30794
353	215	216	1.30794
354	216	217	1.30794
355	217	211	1.30794
356	212	215	0.93258
357	213	216	0.93235
358	214	217	0.93213
363	218	208	0.47789
364	219	220	0.9319
366	225	223	0.9319
367	222	224	0.9328
368	222	226	1.30791
369	226	227	1.30791
370	227	228	1.30791
371	228	223	1.30791
372	224	229	1.30794
373	229	230	1.30794
374	230	231	1.30794
375	231	225	1.30794
376	226	229	0.93258
377	227	230	0.93235
378	228	231	0.93213
383	232	222	0.47789
384	233	234	0.9319
386	239	237	0.9319
387	236	238	0.9328
388	236	240	1.30791
389	240	241	1.30791
390	241	242	1.30791
391	242	237	1.30791
392	238	243	1.30794
393	243	244	1.30794

Table 3: Connectivity - Frame			
Frame	JointI	JointJ	Length m
394	244	245	1.30794
395	245	239	1.30794
396	240	243	0.93258
397	241	244	0.93235
398	242	245	0.93213
403	246	236	0.47789
404	247	248	0.9319
422	261	156	2.08
423	156	170	1.65
424	170	184	2.
425	184	198	2.
426	198	212	2.
427	212	226	2.
428	226	240	1.95
429	240	262	1.97
430	263	157	2.08
431	157	171	1.65
432	171	185	2.
433	185	199	2.
434	199	213	2.
435	213	227	2.
436	227	241	1.95
437	241	264	1.97
438	265	158	2.08
439	158	172	1.65
440	172	186	2.
441	186	200	2.
442	200	214	2.
443	214	228	2.
444	228	242	1.95
445	242	266	1.97

Table 4: Frame Section Assignments

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
2	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
3	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
6	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
7	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
8	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
9	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
10	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
11	PTE70X70X2.5m m	PTE70X70X2.5m m	Default

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
16	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
17	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
21	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
22	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
23	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
24	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
25	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
26	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
32	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
34	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
35	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
36	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
37	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
38	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
39	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
40	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
41	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
43	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
44	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
45	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
46	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
47	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
48	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
49	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
50	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
57	W-90X140	N.A.	Default
58	W-90X140	N.A.	Default
59	W-90X140	N.A.	Default
60	W-90X140	N.A.	Default
61	W-90X140	N.A.	Default
62	W-90X140	N.A.	Default
63	W-90X140	N.A.	Default
64	W-90X140	N.A.	Default
65	W-90X140	N.A.	Default

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
66	W-90X140	N.A.	Default
67	W-90X140	N.A.	Default
68	W-90X140	N.A.	Default
69	W-90X140	N.A.	Default
70	W-90X140	N.A.	Default
71	W-90X140	N.A.	Default
72	W-90X140	N.A.	Default
73	W-90X140	N.A.	Default
74	W-90X140	N.A.	Default
75	W-90X140	N.A.	Default
76	W-90X140	N.A.	Default
77	W-90X140	N.A.	Default
78	W-90X140	N.A.	Default
79	W-90X140	N.A.	Default
80	W-90X140	N.A.	Default
81	W-90X140	N.A.	Default
82	W-90X140	N.A.	Default
83	W-90X140	N.A.	Default
84	W-90X140	N.A.	Default
85	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
87	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
90	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
91	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
92	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
93	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
94	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
95	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
96	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
97	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
98	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
99	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
100	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
101	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
102	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
103	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
104	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
105	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
266	W-90X140	N.A.	Default
267	W-90X140	N.A.	Default
268	W-90X140	N.A.	Default

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
269	W2-90X140	N.A.	Default
270	W2-90X140	N.A.	Default
271	W2-90X140	N.A.	Default
272	W2-90X140	N.A.	Default
273	W2-90X140	N.A.	Default
274	W2-90X140	N.A.	Default
275	W2-90X140	N.A.	Default
276	W-90X140	N.A.	Default
277	W-90X140	N.A.	Default
278	W-90X140	N.A.	Default
283	W2-90X140	N.A.	Default
284	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
286	W-90X140	N.A.	Default
287	W-90X140	N.A.	Default
288	W2-90X140	N.A.	Default
289	W2-90X140	N.A.	Default
290	W2-90X140	N.A.	Default
291	W2-90X140	N.A.	Default
292	W2-90X140	N.A.	Default
293	W2-90X140	N.A.	Default
294	W2-90X140	N.A.	Default
295	W2-90X140	N.A.	Default
296	W-90X140	N.A.	Default
297	W-90X140	N.A.	Default
298	W-90X140	N.A.	Default
303	W2-90X140	N.A.	Default
304	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
306	W-90X140	N.A.	Default
307	W-90X140	N.A.	Default
308	W2-90X140	N.A.	Default
309	W2-90X140	N.A.	Default
310	W2-90X140	N.A.	Default
311	W2-90X140	N.A.	Default
312	W2-90X140	N.A.	Default
313	W2-90X140	N.A.	Default
314	W2-90X140	N.A.	Default
315	W2-90X140	N.A.	Default
316	W-90X140	N.A.	Default
317	W-90X140	N.A.	Default
318	W-90X140	N.A.	Default
323	W2-90X140	N.A.	Default
324	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
326	W-90X140	N.A.	Default
327	W-90X140	N.A.	Default
328	W2-90X140	N.A.	Default
329	W2-90X140	N.A.	Default
330	W2-90X140	N.A.	Default
331	W2-90X140	N.A.	Default
332	W2-90X140	N.A.	Default
333	W2-90X140	N.A.	Default
334	W2-90X140	N.A.	Default
335	W2-90X140	N.A.	Default

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
336	W-90X140	N.A.	Default
337	W-90X140	N.A.	Default
338	W-90X140	N.A.	Default
343	W2-90X140	N.A.	Default
344	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
346	W-90X140	N.A.	Default
347	W-90X140	N.A.	Default
348	W2-90X140	N.A.	Default
349	W2-90X140	N.A.	Default
350	W2-90X140	N.A.	Default
351	W2-90X140	N.A.	Default
352	W2-90X140	N.A.	Default
353	W2-90X140	N.A.	Default
354	W2-90X140	N.A.	Default
355	W2-90X140	N.A.	Default
356	W-90X140	N.A.	Default
357	W-90X140	N.A.	Default
358	W-90X140	N.A.	Default
363	W2-90X140	N.A.	Default
364	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
366	W-90X140	N.A.	Default
367	W-90X140	N.A.	Default
368	W2-90X140	N.A.	Default
369	W2-90X140	N.A.	Default
370	W2-90X140	N.A.	Default
371	W2-90X140	N.A.	Default
372	W2-90X140	N.A.	Default
373	W2-90X140	N.A.	Default
374	W2-90X140	N.A.	Default
375	W2-90X140	N.A.	Default
376	W-90X140	N.A.	Default
377	W-90X140	N.A.	Default
378	W-90X140	N.A.	Default
383	W2-90X140	N.A.	Default
384	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
386	W-90X140	N.A.	Default
387	W-90X140	N.A.	Default
388	W2-90X140	N.A.	Default
389	W2-90X140	N.A.	Default
390	W2-90X140	N.A.	Default
391	W2-90X140	N.A.	Default
392	W2-90X140	N.A.	Default
393	W2-90X140	N.A.	Default
394	W2-90X140	N.A.	Default
395	W2-90X140	N.A.	Default
396	W-90X140	N.A.	Default
397	W-90X140	N.A.	Default
398	W-90X140	N.A.	Default
403	W2-90X140	N.A.	Default
404	PTE70X70X2.5m m	PTE70X70X2.5m m	Default

Table 4: Frame Section Assignments			
Frame	AnalSect	DesignSect	MatProp
422	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
423	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
424	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
425	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
426	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
427	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
428	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
429	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
430	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
431	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
432	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
433	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
434	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
435	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
436	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
437	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
438	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
439	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
440	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
441	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
442	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
443	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
444	PTE70X70X2.5m m	PTE70X70X2.5m m	Default
445	PTE70X70X2.5m m	PTE70X70X2.5m m	Default

Table 5: Frame Release Assignments 1 - General, Part 1 of 2

Table 5: Frame Release Assignments 1 - General, Part 1 of 2						
Frame	PI	V2I	V3I	TI	M2I	M3I
2	No	No	No	No	Yes	Yes
3	No	No	No	No	Yes	Yes
16	No	No	No	No	Yes	Yes

Table 5: Frame Release Assignments 1 - General, Part 1 of 2						
Frame	PI	V2I	V3I	TI	M2I	M3I
17	No	No	No	No	Yes	Yes
49	No	No	No	No	Yes	Yes
50	No	No	No	No	Yes	Yes
100	No	No	No	No	Yes	Yes
101	No	No	No	No	Yes	Yes
102	No	No	No	No	Yes	Yes
103	No	No	No	No	Yes	Yes
276	No	No	No	No	Yes	Yes
277	No	No	No	No	Yes	Yes
278	No	No	No	No	Yes	Yes
296	No	No	No	No	Yes	Yes
297	No	No	No	No	Yes	Yes
298	No	No	No	No	Yes	Yes
316	No	No	No	No	Yes	Yes
317	No	No	No	No	Yes	Yes
318	No	No	No	No	Yes	Yes
336	No	No	No	No	Yes	Yes
337	No	No	No	No	Yes	Yes
338	No	No	No	No	Yes	Yes
356	No	No	No	No	Yes	Yes
357	No	No	No	No	Yes	Yes
358	No	No	No	No	Yes	Yes
376	No	No	No	No	Yes	Yes
377	No	No	No	No	Yes	Yes
378	No	No	No	No	Yes	Yes
396	No	No	No	No	Yes	Yes
397	No	No	No	No	Yes	Yes
398	No	No	No	No	Yes	Yes

Table 5: Frame Release Assignments 1 - General, Part 2 of 2						
Frame	PJ	V2J	V3J	TJ	M2J	M3J
2	No	No	No	No	Yes	Yes
3	No	No	No	No	Yes	Yes
16	No	No	No	No	Yes	Yes
17	No	No	No	No	Yes	Yes
49	No	No	No	No	Yes	Yes
50	No	No	No	No	Yes	Yes
100	No	No	No	No	Yes	Yes
101	No	No	No	No	Yes	Yes
102	No	No	No	No	Yes	Yes
103	No	No	No	No	Yes	Yes
276	No	No	No	No	Yes	Yes
277	No	No	No	No	Yes	Yes
278	No	No	No	No	Yes	Yes
296	No	No	No	No	Yes	Yes
297	No	No	No	No	Yes	Yes
298	No	No	No	No	Yes	Yes
316	No	No	No	No	Yes	Yes
317	No	No	No	No	Yes	Yes
318	No	No	No	No	Yes	Yes

Table 5: Frame Release Assignments 1 - General, Part 2 of 2						
Frame	PJ	V2J	V3J	TJ	M2J	M3J
336	No	No	No	No	Yes	Yes
337	No	No	No	No	Yes	Yes
338	No	No	No	No	Yes	Yes
356	No	No	No	No	Yes	Yes
357	No	No	No	No	Yes	Yes
358	No	No	No	No	Yes	Yes
376	No	No	No	No	Yes	Yes
377	No	No	No	No	Yes	Yes
378	No	No	No	No	Yes	Yes
396	No	No	No	No	Yes	Yes
397	No	No	No	No	Yes	Yes
398	No	No	No	No	Yes	Yes

2. Material properties

This section provides material property information for materials used in the model.

Table 6: Material Properties 02 - Basic Mechanical Properties

Table 6: Material Properties 02 - Basic Mechanical Properties						
Material	UnitWeight	UnitMass	E1	G12	U12	A1 IJC
	Tonf/m3	Tonf/m2	Tonf/m2	Tonf/m2		
4000Psi	2.4028E+00	2.4501E-01	2534563.54	1056068.14	0.2	9.9000E-06
A416Gr270	7.8490E+00	8.0038E-01	20037484.34			1.1700E-05
A500GrC	7.8490E+00	8.0038E-01	20389019.16	7841930.45	0.3	1.1700E-05
A615Gr60	7.8490E+00	8.0038E-01	20389019.16			1.1700E-05
A992Fy50	7.8490E+00	8.0038E-01	20389019.16	7841930.45	0.3	1.1700E-05
MADERAGRESS5	8.5600E-01	8.7000E-02	1142082.14	71380.13	0.3	1.1700E-05
MADERAGRS5	8.5600E-01	8.7260E-02	1142082.14	71380.13	0.3	1.1700E-05

Table 7: Material Properties 03a - Steel Data

Table 7: Material Properties 03a - Steel Data				
Material	Fy	Fu	FinalSlope	CoupModTy pe
	Tonf/m2	Tonf/m2		
A500GrC	35153.48	43590.32	-0.1	Von Mises
A992Fy50	35153.48	45699.53	-0.1	Von Mises

Table 8: Material Properties 03b - Concrete Data

Table 8: Material Properties 03b - Concrete Data				
Material	Fc	eFc	FinalSlope	CoupModTy pe
	Tonf/m2	Tonf/m2		
4000Psi	2812.28	2812.28	-0.1	Modified Darwin-Peck noid

Table 9: Material Properties 03e - Rebar Data

Table 9: Material Properties 03e - Rebar Data				
Material	Fy	Fu	FinalSlope	CoupModTy pe
	Tonf/m2	Tonf/m2		
A615Gr60	42184.18	63276.27	-0.1	Von Mises

Table 10: Material Properties 03f - Tendon Data

Table 10: Material Properties 03f - Tendon Data				
Material	Fy	Fu	FinalSlope	CoupModTy pe
	Tonf/m2	Tonf/m2		
A416Gr270	172322.37	189828.8	-0.1	Von Mises

3. Section properties

This section provides section property information for objects used in the model.

3.1. Frames

Table 11: Frame Section Properties 01 - General, Part 1 of 5

Table 11: Frame Section Properties 01 - General, Part 1 of 5								
SectionName	Material	Shape	t3	t2	tf	FilletRadius	tw	
			m	m	m	m	m	
2L 38X3mm	A992Fy50	Double Angle	0.038	0.076	0.003	1.000E-06	0.003	
2L 38X3mm VER	A992Fy50	Double Angle	0.038	0.076	0.003	1.000E-06	0.003	
2L 38X4.5mm	A992Fy50	Double Angle	0.038	0.114	0.0045	1.000E-06	0.0045	
FSEC1	A992Fy50	IWide Flange	0.3048	0.127	0.009652	0.009652	0.00635	
L 25X3mm	A992Fy50	Angle	0.025	0.025	0.003	0.00001	0.003	
L 38X3mm	A992Fy50	Angle	0.038	0.038	0.003	0.00001	0.003	
PTE100X200X8 mm	A500GrC	Box/Tube	0.2	0.1	0.008	0.004	0.008	
PTE70X70X2.5m m	A500GrC	Box/Tube	0.07	0.07	0.0025	0.0025	0.0025	
PTEC50x50x3m m	A500GrC	Box/Tube	0.05	0.05	0.003	0.004	0.003	
W2-90X140	MADERAGRS5	SD Section						
W-70X150	A992Fy50	Rectangular	0.15	0.07				

Table 11: Frame Section Properties 01 - General, Part 1 of 5						
SectionName	Material	Shape	t3	t2	tf	FilletRadius
			m	m	m	m
W-90X140	MADERAGRS5	Rectangular	0.14	0.09		

Table 11: Frame Section Properties 01 - General, Part 2 of 5

Table 11: Frame Section Properties 01 - General, Part 2 of 5		
SectionName	t2b	tfb
	m	m
2L 38X3mm		
2L 38X3mm VER		
2L 38X4.5mm		
FSEC1	0.127	0.009652
L 25X3mm		
L 38X3mm		
PTE100X200X8 mm		
PTE70X70X2.5m m		
PTEC50x50x3m m		
W2-90X140		
W-70X150		
W-90X140		

Table 11: Frame Section Properties 01 - General, Part 3 of 5

Table 11: Frame Section Properties 01 - General, Part 3 of 5								
SectionName	Area	TorsConst	I33	I22	I23	AS2	AS3	
	m2	m4	m4	m4	m4	m2	m2	
2L 38X3mm	0.000435	1.265E-09	6.082E-08	1.107E-07	0.	0.000228	0.000225	
2L 38X3mm VER	0.000438	1.274E-09	6.107E-08	1.104E-07	0.	0.000228	0.000228	
2L 38X4.5mm	0.000644	4.143E-09	8.662E-08	6.717E-07	0.	0.000342	0.000342	
FSEC1	0.004265	9.651E-08	0.000066	3.301E-06	0.	0.001935	0.002043	
L 25X3mm	0.000141	4.032E-10	8.204E-09	8.204E-09	4.827E-09	0.000075	0.000075	
L 38X3mm	0.000219	6.372E-10	3.054E-08	3.054E-08	1.817E-08	0.000114	0.000114	
PTE100X200X8 mm	0.004544	0.000018	0.000023	7.579E-06	0.	0.0032	0.0016	
PTE70X70X2.5m m	0.000675	7.689E-07	5.133E-07	5.133E-07	0.	0.00035	0.00035	
PTEC50x50x3m m	0.000564	3.115E-07	2.085E-07	2.085E-07	0.	0.0003	0.0003	
W2-90X140	0.0252	0.000041	0.000041	0.000221	0.	0.021106	0.0252	
W-70X150	0.0105	0.000012	0.00002	4.288E-06	0.	0.00875	0.00875	
W-90X140	0.0126	0.00002	0.000021	8.505E-06	0.	0.0105	0.0105	

Table 11: Frame Section Properties 01 - General, Part 4 of 5

Table 11: Frame Section Properties 01 - General, Part 4 of 5							
SectionName	S33	S22	Z33	Z22	R33	R22	
	m3	m3	m3	m3	m	m	
2L 38X3mm	2.226E-06	2.914E-06	4.012E-06	4.751E-06	0.011824	0.015955	
2L 38X3mm VER	2.230E-06	2.905E-06	4.016E-06	4.647E-06	0.011808	0.015874	
2L 38X4.5mm	3.226E-06	0.000012	5.814E-06	0.000019	0.011602	0.032307	

Table 11: Frame Section Properties 01 - General, Part 4 of 5							
SectionName	S33 m3	S22 m3	Z33 m3	Z22 m3	R33 m	R22 m	
FSEC1	0.000431	0.000052	0.000491	0.000081	0.124145	0.027823	
L 25X3mm	4.648E-07	4.648E-07	8.377E-07	8.377E-07	0.007628	0.007628	
L 38X3mm	1.115E-06	1.115E-06	2.008E-06	2.008E-06	0.011898	0.011898	
PTE100X200X8 mm	0.000231	0.000152	0.000289	0.000175	0.071238	0.040839	
PTE70X70X2.5m m	0.000015	0.000015	0.000017	0.000017	0.027576	0.027576	
PTECS50x50x3m m	8.340E-06	8.340E-06	9.954E-06	9.954E-06	0.019227	0.019227	
W2-90X140	0.000588	0.001638	0.000882	0.002268	0.040415	0.093675	
W-70X150	0.000263	0.000123	0.000394	0.000184	0.043301	0.020207	
W-90X140	0.000294	0.000189	0.000441	0.000284	0.040415	0.025981	

Table 11: Frame Section Properties 01 - General, Part 5 of 5

Table 11: Frame Section Properties 01 - General, Part 5 of 5								
SectionName	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
2L 38X3mm	1.	1.	1.	1.	1.	1.	1.	1.
2L 38X3mm VER	1.	1.	1.	1.	1.	1.	1.	1.
2L 38X4.5mm	1.	1.	1.	1.	1.	1.	1.	1.
FSEC1	1.	1.	1.	1.	1.	1.	1.	1.
L 25X3mm	1.	1.	1.	1.	1.	1.	1.	1.
L 38X3mm	1.	1.	1.	1.	1.	1.	1.	1.
PTE100X200X8 mm	1.	1.	1.	1.	1.	1.	1.	1.
PTE70X70X2.5m m	1.	1.	1.	1.	1.	1.	1.	1.
PTECS50x50x3m m	1.	1.	1.	1.	1.	1.	1.	1.
W2-90X140	1.	1.	1.	1.	1.	1.	1.	1.
W-70X150	1.	1.	1.	1.	1.	1.	1.	1.
W-90X140	1.	1.	1.	1.	1.	1.	1.	1.

Table 12: Frame Property Modifiers, Part 1 of 2

Table 12: Frame Property Modifiers, Part 1 of 2								
Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod	WeightMod
2	1.	1.	1.	1.	1.	1.	1.	1.
3	1.	1.	1.	1.	1.	1.	1.	1.
6	1.	1.	1.	1.	1.	1.	1.	1.
7	1.	1.	1.	1.	1.	1.	1.	1.
8	1.	1.	1.	1.	1.	1.	1.	1.
9	1.	1.	1.	1.	1.	1.	1.	1.
10	1.	1.	1.	1.	1.	1.	1.	1.
11	1.	1.	1.	1.	1.	1.	1.	1.
16	1.	1.	1.	1.	1.	1.	1.	1.
17	1.	1.	1.	1.	1.	1.	1.	1.
21	1.	1.	1.	1.	1.	1.	1.	1.
22	1.	1.	1.	1.	1.	1.	1.	1.
23	1.	1.	1.	1.	1.	1.	1.	1.
24	1.	1.	1.	1.	1.	1.	1.	1.

Table 12: Frame Property Modifiers, Part 1 of 2								
Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod	WeightMod
25	1.	1.	1.	1.	1.	1.	1.	1.
26	1.	1.	1.	1.	1.	1.	1.	1.
32	1.	1.	1.	1.	1.	1.	1.	1.
34	1.	1.	1.	1.	1.	1.	1.	1.
35	1.	1.	1.	1.	1.	1.	1.	1.
36	1.	1.	1.	1.	1.	1.	1.	1.
37	1.	1.	1.	1.	1.	1.	1.	1.
38	1.	1.	1.	1.	1.	1.	1.	1.
39	1.	1.	1.	1.	1.	1.	1.	1.
40	1.	1.	1.	1.	1.	1.	1.	1.
41	1.	1.	1.	1.	1.	1.	1.	1.
43	1.	1.	1.	1.	1.	1.	1.	1.
44	1.	1.	1.	1.	1.	1.	1.	1.
45	1.	1.	1.	1.	1.	1.	1.	1.
46	1.	1.	1.	1.	1.	1.	1.	1.
47	1.	1.	1.	1.	1.	1.	1.	1.
48	1.	1.	1.	1.	1.	1.	1.	1.
49	1.	1.	1.	1.	1.	1.	1.	1.
50	1.	1.	1.	1.	1.	1.	1.	1.
85	1.	1.	1.	1.	1.	1.	1.	1.
87	1.	1.	1.	1.	1.	1.	1.	1.
90	1.	1.	1.	1.	1.	1.	1.	1.
91	1.	1.	1.	1.	1.	1.	1.	1.
92	1.	1.	1.	1.	1.	1.	1.	1.
93	1.	1.	1.	1.	1.	1.	1.	1.
94	1.	1.	1.	1.	1.	1.	1.	1.
95	1.	1.	1.	1.	1.	1.	1.	1.
96	1.	1.	1.	1.	1.	1.	1.	1.
97	1.	1.	1.	1.	1.	1.	1.	1.
98	1.	1.	1.	1.	1.	1.	1.	1.
99	1.	1.	1.	1.	1.	1.	1.	1.
100	1.	1.	1.	1.	1.	1.	1.	1.
101	1.	1.	1.	1.	1.	1.	1.	1.
102	1.	1.	1.	1.	1.	1.	1.	1.
103	1.	1.	1.	1.	1.	1.	1.	1.
104	1.	1.	1.	1.	1.	1.	1.	1.
105	1.	1.	1.	1.	1.	1.	1.	1.
284	1.	1.	1.	1.	1.	1.	1.	1.
304	1.	1.	1.	1.	1.	1.	1.	1.
324	1.	1.	1.	1.	1.	1.	1.	1.
344	1.	1.	1.	1.	1.	1.	1.	1.
364	1.	1.	1.	1.	1.	1.	1.	1.
384	1.	1.	1.	1.	1.	1.	1.	1.
404	1.	1.	1.	1.	1.	1.	1.	1.
422	1.	1.	1.	1.	1.	1.	1.	1.
423	1.	1.	1.	1.	1.	1.	1.	1.
424	1.	1.	1.	1.	1.	1.	1.	1.
425	1.	1.	1.	1.	1.	1.	1.	1.
426	1.	1.	1.	1.	1.	1.	1.	1.
427	1.	1.	1.	1.	1.	1.	1.	1.
428	1.	1.	1.	1.	1.	1.	1.	1.
429	1.	1.	1.	1.	1.	1.	1.	1.
430	1.	1.	1.	1.	1.	1.	1.	1.
431	1.	1.	1.	1.	1.	1.	1.	1.

Table 12: Frame Property Modifiers, Part 1 of 2								
Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod	WeightMod
432	1.	1.	1.	1.	1.	1.	1.	1.
433	1.	1.	1.	1.	1.	1.	1.	1.
434	1.	1.	1.	1.	1.	1.	1.	1.
435	1.	1.	1.	1.	1.	1.	1.	1.
436	1.	1.	1.	1.	1.	1.	1.	1.
437	1.	1.	1.	1.	1.	1.	1.	1.
438	1.	1.	1.	1.	1.	1.	1.	1.
439	1.	1.	1.	1.	1.	1.	1.	1.
440	1.	1.	1.	1.	1.	1.	1.	1.
441	1.	1.	1.	1.	1.	1.	1.	1.
442	1.	1.	1.	1.	1.	1.	1.	1.
443	1.	1.	1.	1.	1.	1.	1.	1.
444	1.	1.	1.	1.	1.	1.	1.	1.
445	1.	1.	1.	1.	1.	1.	1.	1.

Table 12: Frame Property Modifiers, Part 2 of 2

Table 12: Frame Property Modifiers, Part 2 of 2		
Frame	EAModifier	EIModifier
2	0.8	0.8
3	0.8	0.8
6	0.8	0.8
7	0.8	0.8
8	0.8	0.8
9	0.8	0.8
10	0.8	0.8
11	0.8	0.8
16	0.8	0.8
17	0.8	0.8
21	0.8	0.8
22	0.8	0.8
23	0.8	0.8
24	0.8	0.8
25	0.8	0.8
26	0.8	0.8
32	0.8	0.8
34	0.8	0.8
35	0.8	0.8
36	0.8	0.8
37	0.8	0.8
38	0.8	0.8
39	0.8	0.8
40	0.8	0.8
41	0.8	0.8
43	0.8	0.8
44	0.8	0.8
45	0.8	0.8
46	0.8	0.8
47	0.8	0.8
48	0.8	0.8
49	0.8	0.8
50	0.8	0.8

Table 12: Frame Property Modifiers, Part 2 of 2		
Frame	EAModifier	EIModifier
85	0.8	0.8
87	0.8	0.8
90	0.8	0.8
91	0.8	0.8
92	0.8	0.8
93	0.8	0.8
94	0.8	0.8
95	0.8	0.8
96	0.8	0.8
97	0.8	0.8
98	0.8	0.8
99	0.8	0.8
100	0.8	0.8
101	0.8	0.8
102	0.8	0.8
103	0.8	0.8
104	0.8	0.8
105	0.8	0.8
284	0.8	0.8
304	0.8	0.8
324	0.8	0.8
344	0.8	0.8
364	0.8	0.8
384	0.8	0.8
404	0.8	0.8
422	0.8	0.8
423	0.8	0.8
424	0.8	0.8
425	0.8	0.8
426	0.8	0.8
427	0.8	0.8
428	0.8	0.8
429	0.8	0.8
430	0.8	0.8
431	0.8	0.8
432	0.8	0.8
433	0.8	0.8
434	0.8	0.8
435	0.8	0.8
436	0.8	0.8
437	0.8	0.8
438	0.8	0.8
439	0.8	0.8
440	0.8	0.8
441	0.8	0.8
442	0.8	0.8
443	0.8	0.8
444	0.8	0.8
445	0.8	0.8

3.2. Solids

Table 13: Solid Property Definitions

Table 13: Solid Property Definitions				
SolidProp	Material	MatAngle		
		A Degrees	B Degrees	C Degrees
Solid1	4000Psi	0.	0.	0.

4. Load patterns

This section provides loading information as applied to the model.

4.1. Definitions

Table 14: Load Pattern Definitions

Table 14: Load Pattern Definitions			
LoadPat	DesignType	SelfWtMult	AutoLoad
DEAD	Dead	1.	
VIVA CUB	Live	0.	
VCOMP	Wind	0.	None
VSUCC	Wind	0.	None
MUERTA CUB	Dead	0.	

5. Load cases

This section provides load case information.

5.1. Definitions

Table 15: Load Case Definitions, Part 1 of 2

Table 15: Load Case Definitions, Part 1 of 2					
Case	Type	InitialCond	ModalCase	MassSource	DesActOpt
DEAD	LinStatic	Zero			Prog Det
MODAL	LinModal	Zero			Prog Det
VIVA CUB	LinStatic	Zero			Prog Det
VCOMP	LinStatic	Zero			Prog Det
VSUCC	LinStatic	Zero			Prog Det
MUERTA CUB	LinStatic	Zero			Prog Det

Table 15: Load Case Definitions, Part 2 of 2

Case	DesignAct
DEAD	Non-Composite
MODAL	Other
VIVA CUB	Short-Term Composite
VCOMP	Short-Term Composite
VSUCC	Short-Term Composite
MUERTA CUB	Non-Composite

5.2. Static case load assignments

Table 16: Case - Static 1 - Load Assignments

Table 16: Case - Static 1 - Load Assignments			
Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1.
VIVA CUB	Load pattern	VIVA CUB	1.
VCOMP	Load pattern	VCOMP	1.
VSUCC	Load pattern	VSUCC	1.
MUERTA CUB	Load pattern	MUERTA CUB	1.

5.3. Response spectrum case load assignments

Table 17: Function - Response Spectrum - User

Table 17: Function - Response Spectrum - User			
Name	Period Sec	Accel	FuncDamp
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

6. Load combinations

This section provides load combination information.

Table 18: Combination Definitions

Table 18: Combination Definitions			
ComboName	ComboType	CaseName	ScaleFactor
CMUERTA	Linear Add	DEAD	1.
CMUERTA		MUERTA CUB	1.
COMB1		CMUERTA	1.
COMB2		CMUERTA	1.
COMB2		VIVA CUB	1.
SERVICIO	Linear Add	CMUERTA	1.
SERVICIO		VIVA CUB	1.
COMB3	Linear Add	CMUERTA	1.
COMB3		VIVA CUB	1.
COMB4	Linear Add	CMUERTA	1.
COMB4		VIVA CUB	0.75
COMB5	Linear Add	CMUERTA	1.
COMB5		VSUCC	1.
COMB7	Linear Add	CMUERTA	0.6
COMB6		CMUERTA	1.
COMB6	Envelope	VCOMP	1.
ENVE		COMB1	1.
ENVE		COMB2	1.
ENVE		COMB4	1.
ENVE		COMB3	1.
ENVE		COMB5	1.
ENVE		COMB7	1.
ENVE		COMB6	1.

7. Structure results

This section provides structure results, including items such as structural periods and base reactions.

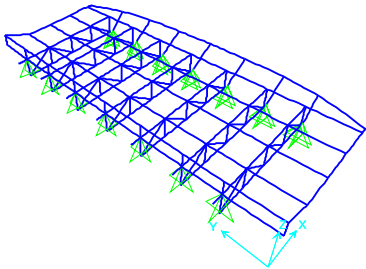


Figure 2: Deformed shape

7.1. Mass summary

Table 19: Assembled Joint Masses, Part 1 of 2

Table 19: Assembled Joint Masses, Part 1 of 2									
Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX	
		Tonf-s2/m	Tonf-s2/m	Tonf-s2/m	Tonf-m-s2	Tonf-m-s2	Tonf-m-s2		m
6	MSSSRC1	1.163E-03	1.163E-03	1.163E-03	0.	0.	0.	0.	0.475
7	MSSSRC1	1.087E-03	1.087E-03	1.087E-03	0.	0.	0.	0.	0.475
8	MSSSRC1	1.141E-03	1.141E-03	1.141E-03	0.	0.	0.	0.	0.475
9	MSSSRC1	1.236E-03	1.236E-03	1.236E-03	0.	0.	0.	0.	0.475
10	MSSSRC1	1.236E-03	1.236E-03	1.236E-03	0.	0.	0.	0.	0.475
11	MSSSRC1	1.236E-03	1.236E-03	1.236E-03	0.	0.	0.	0.	0.475
12	MSSSRC1	1.222E-03	1.222E-03	1.222E-03	0.	0.	0.	0.	0.475
13	MSSSRC1	1.214E-03	1.214E-03	1.214E-03	0.	0.	0.	0.	0.475
14	MSSSRC1	1.057E-03	1.057E-03	1.057E-03	0.	0.	0.	0.	0.475
18	MSSSRC1	7.171E-04	7.171E-04	7.171E-04	0.	0.	0.	0.	0.475
21	MSSSRC1	6.874E-04	6.874E-04	6.874E-04	0.	0.	0.	0.	0.475
26	MSSSRC1	9.793E-04	9.793E-04	9.793E-04	0.	0.	0.	0.	5.675
27	MSSSRC1	6.260E-04	6.260E-04	6.260E-04	0.	0.	0.	0.	5.9125
28	MSSSRC1	9.496E-04	9.496E-04	9.496E-04	0.	0.	0.	0.	5.675
29	MSSSRC1	5.963E-04	5.963E-04	5.963E-04	0.	0.	0.	0.	5.9125
152	MSSSRC1	3.639E-03	3.639E-03	3.639E-03	0.	0.	0.	0.	0.475
153	MSSSRC1	2.958E-03	2.958E-03	2.958E-03	0.	0.	0.	0.	5.675
154	MSSSRC1	2.879E-03	2.879E-03	2.879E-03	0.	0.	0.	0.	0.475
155	MSSSRC1	2.786E-03	2.786E-03	2.786E-03	0.	0.	0.	0.	5.675
156	MSSSRC1	6.160E-03	6.160E-03	6.160E-03	0.	0.	0.	0.	1.775
157	MSSSRC1	5.232E-03	5.232E-03	5.232E-03	0.	0.	0.	0.	3.075

Table 19: Assembled Joint Masses, Part 1 of 2								
Joint	MassSource	U1 Tonf-s2/m	U2 Tonf-s2/m	U3 Tonf-s2/m	R1 Tonf-m-s2	R2 Tonf-m-s2	R3 Tonf-m-s2	CenterX m
158	MSSSRC1	5.232E-03	5.232E-03	5.232E-03	0.	0.	0.	4.375
159	MSSSRC1	3.389E-03	3.389E-03	3.389E-03	0.	0.	0.	1.775
160	MSSSRC1	4.224E-03	4.225E-03	4.225E-03	0.	0.	0.	3.075
161	MSSSRC1	4.224E-03	4.224E-03	4.224E-03	0.	0.	0.	4.375
162	MSSSRC1	5.254E-04	5.254E-04	5.254E-04	0.	0.	0.	-5.551E-17
163	MSSSRC1	2.517E-04	2.517E-04	2.517E-04	0.	0.	0.	5.9125
164	MSSSRC1	1.259E-03	1.259E-03	1.259E-03	0.	0.	0.	5.9125
166	MSSSRC1	3.617E-03	3.617E-03	3.617E-03	0.	0.	0.	0.475
167	MSSSRC1	2.936E-03	2.936E-03	2.936E-03	0.	0.	0.	5.675
168	MSSSRC1	2.879E-03	2.879E-03	2.879E-03	0.	0.	0.	0.475
169	MSSSRC1	2.786E-03	2.786E-03	2.786E-03	0.	0.	0.	5.675
170	MSSSRC1	6.138E-03	6.138E-03	6.138E-03	0.	0.	0.	1.775
171	MSSSRC1	5.210E-03	5.210E-03	5.210E-03	0.	0.	0.	3.075
172	MSSSRC1	5.210E-03	5.210E-03	5.210E-03	0.	0.	0.	4.375
173	MSSSRC1	3.389E-03	3.389E-03	3.389E-03	0.	0.	0.	1.775
174	MSSSRC1	4.225E-03	4.225E-03	4.225E-03	0.	0.	0.	3.075
175	MSSSRC1	4.224E-03	4.224E-03	4.224E-03	0.	0.	0.	4.375
176	MSSSRC1	5.254E-04	5.254E-04	5.254E-04	0.	0.	0.	-5.551E-17
177	MSSSRC1	2.517E-04	2.517E-04	2.517E-04	0.	0.	0.	5.9125
178	MSSSRC1	1.238E-03	1.238E-03	1.238E-03	0.	0.	0.	5.9125
180	MSSSRC1	3.712E-03	3.712E-03	3.712E-03	0.	0.	0.	0.475
181	MSSSRC1	3.031E-03	3.031E-03	3.031E-03	0.	0.	0.	5.675
182	MSSSRC1	2.879E-03	2.879E-03	2.879E-03	0.	0.	0.	0.475
183	MSSSRC1	2.786E-03	2.786E-03	2.786E-03	0.	0.	0.	5.675
184	MSSSRC1	6.233E-03	6.233E-03	6.233E-03	0.	0.	0.	1.775
185	MSSSRC1	5.305E-03	5.305E-03	5.305E-03	0.	0.	0.	3.075
186	MSSSRC1	5.305E-03	5.305E-03	5.305E-03	0.	0.	0.	4.375
187	MSSSRC1	3.389E-03	3.389E-03	3.389E-03	0.	0.	0.	1.775
188	MSSSRC1	4.225E-03	4.225E-03	4.225E-03	0.	0.	0.	3.075
189	MSSSRC1	4.224E-03	4.224E-03	4.224E-03	0.	0.	0.	4.375
190	MSSSRC1	5.254E-04	5.254E-04	5.254E-04	0.	0.	0.	-5.551E-17
191	MSSSRC1	2.517E-04	2.517E-04	2.517E-04	0.	0.	0.	5.9125
192	MSSSRC1	1.332E-03	1.332E-03	1.332E-03	0.	0.	0.	5.9125
194	MSSSRC1	3.712E-03	3.712E-03	3.712E-03	0.	0.	0.	0.475
195	MSSSRC1	3.031E-03	3.031E-03	3.031E-03	0.	0.	0.	5.675
196	MSSSRC1	2.879E-03	2.879E-03	2.879E-03	0.	0.	0.	0.475
197	MSSSRC1	2.786E-03	2.786E-03	2.786E-03	0.	0.	0.	5.675
198	MSSSRC1	6.233E-03	6.233E-03	6.233E-03	0.	0.	0.	1.775
199	MSSSRC1	5.305E-03	5.305E-03	5.305E-03	0.	0.	0.	3.075
200	MSSSRC1	5.305E-03	5.305E-03	5.305E-03	0.	0.	0.	4.375
201	MSSSRC1	3.389E-03	3.389E-03	3.389E-03	0.	0.	0.	1.775
202	MSSSRC1	4.225E-03	4.225E-03	4.225E-03	0.	0.	0.	3.075
203	MSSSRC1	4.224E-03	4.224E-03	4.224E-03	0.	0.	0.	4.375
204	MSSSRC1	5.254E-04	5.254E-04	5.254E-04	0.	0.	0.	-5.551E-17
205	MSSSRC1	2.517E-04	2.517E-04	2.517E-04	0.	0.	0.	5.9125
206	MSSSRC1	1.332E-03	1.332E-03	1.332E-03	0.	0.	0.	5.9125
208	MSSSRC1	3.712E-03	3.712E-03	3.712E-03	0.	0.	0.	0.475
209	MSSSRC1	3.031E-03	3.031E-03	3.031E-03	0.	0.	0.	5.675
210	MSSSRC1	2.879E-03	2.879E-03	2.879E-03	0.	0.	0.	0.475
211	MSSSRC1	2.786E-03	2.786E-03	2.786E-03	0.	0.	0.	5.675
212	MSSSRC1	6.233E-03	6.233E-03	6.233E-03	0.	0.	0.	1.775
213	MSSSRC1	5.305E-03	5.305E-03	5.305E-03	0.	0.	0.	3.075
214	MSSSRC1	5.305E-03	5.305E-03	5.305E-03	0.	0.	0.	4.375
215	MSSSRC1	3.389E-03	3.389E-03	3.389E-03	0.	0.	0.	1.775

Table 19: Assembled Joint Masses, Part 1 of 2								
Joint	MassSource	U1 Tonf-s2/m	U2 Tonf-s2/m	U3 Tonf-s2/m	R1 Tonf-m-s2	R2 Tonf-m-s2	R3 Tonf-m-s2	CenterX m
216	MSSSRC1	4.225E-03	4.225E-03	4.225E-03	0.	0.	0.	3.075
217	MSSSRC1	4.224E-03	4.224E-03	4.224E-03	0.	0.	0.	4.375
218	MSSSRC1	5.254E-04	5.254E-04	5.254E-04	0.	0.	0.	-5.551E-17
219	MSSSRC1	2.517E-04	2.517E-04	2.517E-04	0.	0.	0.	5.9125
220	MSSSRC1	1.332E-03	1.332E-03	1.332E-03	0.	0.	0.	5.9125
222	MSSSRC1	3.698E-03	3.698E-03	3.698E-03	0.	0.	0.	0.475
223	MSSSRC1	3.017E-03	3.017E-03	3.017E-03	0.	0.	0.	5.675
224	MSSSRC1	2.879E-03	2.879E-03	2.879E-03	0.	0.	0.	0.475
225	MSSSRC1	2.786E-03	2.786E-03	2.786E-03	0.	0.	0.	5.675
226	MSSSRC1	6.211E-03	6.211E-03	6.211E-03	0.	0.	0.	1.775
227	MSSSRC1	5.291E-03	5.291E-03	5.291E-03	0.	0.	0.	3.075
228	MSSSRC1	5.291E-03	5.291E-03	5.291E-03	0.	0.	0.	4.375
229	MSSSRC1	3.389E-03	3.389E-03	3.389E-03	0.	0.	0.	1.775
230	MSSSRC1	4.225E-03	4.225E-03	4.225E-03	0.	0.	0.	3.075
231	MSSSRC1	4.224E-03	4.224E-03	4.224E-03	0.	0.	0.	4.375
232	MSSSRC1	5.254E-04	5.254E-04	5.254E-04	0.	0.	0.	-5.551E-17
233	MSSSRC1	2.517E-04	2.517E-04	2.517E-04	0.	0.	0.	5.9125
234	MSSSRC1	1.311E-03	1.311E-03	1.311E-03	0.	0.	0.	5.9125
236	MSSSRC1	3.690E-03	3.690E-03	3.690E-03	0.	0.	0.	0.475
237	MSSSRC1	3.009E-03	3.009E-03	3.009E-03	0.	0.	0.	5.675
238	MSSSRC1	2.879E-03	2.879E-03	2.879E-03	0.	0.	0.	0.475
239	MSSSRC1	2.786E-03	2.786E-03	2.786E-03	0.	0.	0.	5.675
240	MSSSRC1	6.211E-03	6.211E-03	6.211E-03	0.	0.	0.	1.775
241	MSSSRC1	5.283E-03	5.283E-03	5.283E-03	0.	0.	0.	3.075
242	MSSSRC1	5.283E-03	5.283E-03	5.283E-03	0.	0.	0.	4.375
243	MSSSRC1	3.389E-03	3.389E-03	3.389E-03	0.	0.	0.	1.775
244	MSSSRC1	4.225E-03	4.225E-03	4.225E-03	0.	0.	0.	3.075
245	MSSSRC1	4.224E-03	4.224E-03	4.224E-03	0.	0.	0.	4.375
246	MSSSRC1	5.254E-04	5.254E-04	5.254E-04	0.	0.	0.	-5.551E-17
247	MSSSRC1	2.517E-04	2.517E-04	2.517E-04	0.	0.	0.	5.9125
248	MSSSRC1	1.311E-03	1.311E-03	1.311E-03	0.	0.	0.	5.9125
261	MSSSRC1	1.285E-03	1.285E-03	1.285E-03	0.	0.	0.	1.775
262	MSSSRC1	1.255E-03	1.255E-03	1.255E-03	0.	0.	0.	1.775
263	MSSSRC1	1.268E-03	1.268E-03	1.268E-03	0.	0.	0.	3.075
264	MSSSRC1	1.239E-03	1.239E-03	1.239E-03	0.	0.	0.	3.075
265	MSSSRC1	1.268E-03	1.268E-03	1.268E-03	0.	0.	0.	4.375
266	MSSSRC1	1.239E-03	1.239E-03	1.239E-03	0.	0.	0.	4.375
SumAccelUX	MSSSRC1	0.32	0.	0.	0.	0.	0.	3.01912
SumAccelUY	MSSSRC1	0.	0.32	0.	0.	0.	0.	3.01912
SumAccelUZ	MSSSRC1	0.	0.	0.32	0.	0.	0.	3.01912

Table 19: Assembled Joint Masses, Part 2 of 2

Table 19: Assembled Joint Masses, Part 2 of 2			
Joint	MassSource	CenterY m	CenterZ m
6	MSSSRC1	2.08	1.5074
7	MSSSRC1	0	1.5073
8	MSSSRC1	3.73	1.5074
9	MSSSRC1	5.73	1.5074
10	MSSSRC1	7.73	1.5074
11	MSSSRC1	9.73	1.5074
12	MSSSRC1	11.73	1.5074

Table 19: Assembled Joint Masses, Part 2 of 2			
Joint	MassSource	CenterY m	CenterZ m
13	MSSSRC1	13.68	1.5074
14	MSSSRC1	15.65	1.5073
16	MSSSRC1	1.776E-15	0.9327
21	MSSSRC1	15.65	0.9327
25	MSSSRC1	1.776E-15	1.5074
27	MSSSRC1	0.	1.5074
28	MSSSRC1	15.65	1.5074
29	MSSSRC1	15.65	1.5074
152	MSSSRC1	2.08	0.9328
153	MSSSRC1	2.08	1.5074
154	MSSSRC1	2.08	0.
155	MSSSRC1	2.08	0.5755
156	MSSSRC1	2.08	1.07645
157	MSSSRC1	2.08	1.2201
158	MSSSRC1	2.08	1.36375
159	MSSSRC1	2.08	0.14388
160	MSSSRC1	2.08	0.28775
161	MSSSRC1	2.08	0.43163
162	MSSSRC1	2.08	0.88029
163	MSSSRC1	2.08	0.5755
164	MSSSRC1	2.08	1.5074
166	MSSSRC1	3.73	0.9328
167	MSSSRC1	3.73	1.5074
168	MSSSRC1	3.73	0.
169	MSSSRC1	3.73	0.5755
170	MSSSRC1	3.73	1.07645
171	MSSSRC1	3.73	1.2201
172	MSSSRC1	3.73	1.36375
173	MSSSRC1	3.73	0.14388
174	MSSSRC1	3.73	0.28775
175	MSSSRC1	3.73	0.43163
176	MSSSRC1	3.73	0.88029
177	MSSSRC1	3.73	0.5755
178	MSSSRC1	3.73	1.5074
180	MSSSRC1	5.73	0.9328
181	MSSSRC1	5.73	1.5074
182	MSSSRC1	5.73	0.
183	MSSSRC1	5.73	0.5755
184	MSSSRC1	5.73	1.07645
185	MSSSRC1	5.73	1.2201
186	MSSSRC1	5.73	1.36375
187	MSSSRC1	5.73	0.14388
188	MSSSRC1	5.73	0.28775
189	MSSSRC1	5.73	0.43163
190	MSSSRC1	5.73	0.88029
191	MSSSRC1	5.73	0.5755
192	MSSSRC1	5.73	1.5074
194	MSSSRC1	7.73	0.9328
195	MSSSRC1	7.73	1.5074
196	MSSSRC1	7.73	0.
197	MSSSRC1	7.73	0.5755
198	MSSSRC1	7.73	1.07645
199	MSSSRC1	7.73	1.2201
200	MSSSRC1	7.73	1.36375

Table 19: Assembled Joint Masses, Part 2 of 2			
Joint	MassSource	CenterY m	CenterZ m
201	MSSSRC1	7.73	0.14388
202	MSSSRC1	7.73	0.28775
203	MSSSRC1	7.73	0.43163</

7.2. Modal results

Table 20: Modal Participating Mass Ratios

Table 20: Modal Participating Mass Ratios								
OutputCase	StepNum	Period Sec	UX	UY	UZ	SumUX	SumUY	SumUZ
MODAL	1.	0.557912	0.035862	1.275E-09	1.704E-07	0.035862	1.275E-09	1.704E-07
MODAL	2.	0.198501	8.677E-06	0.000068	2.005E-08	0.03587	0.000068	1.905E-07
MODAL	3.	0.143733	0.002574	0.00115	0.014296	0.036445	0.001218	0.014296
MODAL	4.	0.136667	0.022201	0.005282	0.004699	0.06846	0.006	0.018995
MODAL	5.	0.134058	0.006	0.000195	0.017438	0.064646	0.006695	0.036433
MODAL	6.	0.124481	0.017438	0.015117	0.000244	0.082084	0.021812	0.036676
MODAL	7.	0.117183	0.000466	0.024111	0.000073	0.08255	0.045924	0.03675
MODAL	8.	0.110444	0.000158	0.04777	0.000021	0.082708	0.093694	0.03696
MODAL	9.	0.102867	0.002208	0.000108	0.000038	0.084916	0.093802	0.036998
MODAL	10.	0.101177	6.220E-07	0.000313	0.000808	0.084916	0.094115	0.037806
MODAL	11.	0.097018	0.000014	0.575972	0.000056	0.08493	0.67087	0.037862
MODAL	12.	0.094804	1.631E-07	0.019411	0.000147	0.08493	0.689498	0.038009

7.3. Base reactions

Table 21: Base Reactions

Table 21: Base Reactions						
OutputCase	GlobalFX Tonf	GlobalFY Tonf	GlobalFZ Tonf	GlobalMX Tonf-m	GlobalMY Tonf-m	GlobalMZ Tonf-m
DEAD	-7.633E-17	-2.082E-17	3.1769	24.72685	-9.59126	-2.448E-14
VIVA CUB	-1.040E-14	-5.274E-16	7.0425	55.10756	-21.65569	-8.193E-14
VCOMP	-6.663E-15	-3.608E-16	5.634	44.08605	-17.32455	-7.988E-14
VSUCC	6.663E-15	3.608E-16	-5.634	-44.08605	17.32455	7.988E-14
MUERTA CUB	-1.708E-14	1.665E-16	5.7802	45.22991	-18.01245	-8.496E-14

8. Joint results

This section provides joint results, including items such as displacements and reactions.

Table 22: Joint Displacements

Table 22: Joint Displacements							
Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
6	DEAD	0.00008	-0.000037	-1.219E-06	0.00013	0.000163	0.000147
6	VIVA CUB	0.00037	-0.000211	-3.206E-06	0.000538	0.000806	0.001038
6	VCOMP	0.000296	-0.000169	-2.564E-06	0.00043	0.000645	0.000831
6	VSUCC	-0.000296	0.000169	2.564E-06	-0.00043	-0.000645	-0.000831
6	MUERTA CUB	0.000457	-0.0003	-9.694E-06	0.000997	0.001022	0.001408

Table 22: Joint Displacements							
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
7	DEAD	0.000754	-0.000044	-0.001308	0.000329	0.00031	0.000298
7	VIVA CUB	0.005289	-0.00025	-0.007137	0.002208	0.001852	0.002332
7	VCOMP	0.004231	-0.0002	-0.005709	0.001767	0.001482	0.001865
7	VSUCC	-0.004231	0.0002	0.005709	-0.001767	-0.001482	-0.001865
7	MUERTA CUB	0.006998	-0.00036	-0.010309	0.002748	0.002453	0.00295
8	DEAD	0.000028	-0.000026	-4.634E-07	0.000023	0.000055	-0.000014
8	VIVA CUB	8.486E-06	-0.000149	5.347E-07	0.000239	0.000056	-0.000106
8	VCOMP	6.789E-06	-0.000119	4.278E-07	0.000191	0.000045	-0.000085
8	VSUCC	-6.789E-06	0.000119	-4.278E-07	-0.000191	-0.000045	0.000085
8	MUERTA CUB	-0.000036	-0.000209	-3.835E-06	0.000196	-6.228E-06	-0.000135
9	DEAD	0.000036	-0.000014	-6.196E-07	0.000014	0.000063	1.165E-06
9	VIVA CUB	0.000069	-0.000008	1.339E-07	0.000067	0.000016	7.344E-06
9	VCOMP	0.000055	-0.000007	1.071E-07	0.000053	0.000093	5.875E-06
9	VSUCC	-0.000055	0.000007	-1.071E-07	-0.000053	-0.000093	-5.875E-06
9	MUERTA CUB	0.00004	-0.000117	-5.111E-06	0.000109	0.000065	0.000011
10	DEAD	0.000036	-6.196E-07	3.583E-06	0.000062	1.174E-07	
10	VIVA CUB	0.000063	-0.000028	5.376E-08	0.000033	0.00011	-1.758E-07
10	VCOMP	0.00005	-0.000023	4.301E-08	0.000026	0.00008	-1.407E-07
10	VSUCC	-0.00005	0.000023	-4.301E-08	-0.000026	-0.00008	1.407E-07
10	MUERTA CUB	0.000032	-0.000028	-5.118E-06	0.000031	0.000057	1.095E-06
11	DEAD	0.000037	7.667E-06	-6.156E-07	-6.237E-06	0.000064	-1.901E-06
11	VIVA CUB	0.00007	0.00003	1.110E-07	-0.000016	0.000121	-0.000013
11	VCOMP	0.000056	0.000024	8.877E-08	-0.000013	0.000097	-0.000011
11	VSUCC	-0.000056	-0.000024	-8.877E-08	0.000013	-0.000097	0.000011
11	MUERTA CUB	0.000042	0.00006	-5.074E-06	-0.000045	0.000072	-0.000018
12	DEAD	0.00003	0.000019	5.535E-07	-0.000022	0.000057	0.000016
12	VIVA CUB	0.000024	0.000089	3.230E-07	-0.000138	0.000073	0.000109
12	VCOMP	0.00002	0.000071	2.584E-07	-0.00011	0.000059	0.000088
12	VSUCC	-0.00002	-0.000071	-2.584E-07	0.00011	-0.000059	-0.000088
12	MUERTA CUB	-0.000022	0.000149	-4.617E-06	-0.000192	6.678E-06	0.000157
13	DEAD	0.000078	0.000031	-1.179E-06	-0.000111	0.000161	-0.000145
13	VIVA CUB	0.000345	0.000154	-2.728E-06	-0.000485	0.00076	-0.000967
13	VCOMP	0.000276	0.000123	-2.182E-06	-0.000388	0.000608	-0.000774
13	VSUCC	-0.000276	-0.000123	2.182E-06	0.000388	-0.000608	0.000774
13	MUERTA CUB	0.000441	0.000249	-9.400E-06	-0.000824	0.001003	-0.001393
14	DEAD	0.000678	0.000038	-0.00109	-0.000296	0.000099	-0.000283
14	VIVA CUB	0.004457	0.000186	-0.005715	-0.001871	0.001691	-0.002059
14	VCOMP	0.003566	0.000149	-0.004572	-0.001497	0.001352	-0.001648
14	VSUCC	-0.003566	-0.000149	0.004572	0.001497	-0.001352	0.001648
14	MUERTA CUB	0.006267	0.000301	-0.00854	-0.002464	0.002354	-0.0028
18	DEAD	0.000574	7.622E-06	-0.001307	0.000145	0.000304	0.000356
18	VIVA CUB	0.00444	0.000039	-0.007139	0.000286	0.000287	-0.000271
18	VCOMP	0.003368	0.000031	-0.005711	0.000239	0.001445	-0.000242
18	VSUCC	-0.003368	-0.000031	0.005711	-0.000239	-0.001445	-0.000242
18	MUERTA CUB	0.00557	0.000061	-0.010307	0.001065	0.002389	0.003491
21	DEAD	0.000504	-6.650E-06	-0.001089	-0.000127	0.000293	-0.000334
21	VIVA CUB	0.003473	-0.000033	-0.005717	-0.000227	0.001645	-0.000237
21	VCOMP	0.002779	-0.000026	-0.004573	-0.000181	0.001316	-0.001878
21	VSUCC	-0.002779	0.000026	0.004573	0.000181	-0.001316	0.001878
21	MUERTA CUB	0.004496	-0.000053	-0.008538	-0.000821	0.000287	-0.000271
26	DEAD	-0.000174	-9.948E-06	-0.003706	0.000219	-0.000074	-0.0001
26	VIVA CUB	-0.001036	-0.000108	-0.002973	0.01342	-0.00016	-0.000695
26	VCOMP	-0.000829	-0.000086	-0.020698	0.010736	-0.000128	-0.000556
26	VSUCC	0.000829	0.000086	0.020698	-0.010736	0.000128	0.000556

Table 22: Joint Displacements							
Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
26	MUERTA CUB	-0.001577	-0.00009	-0.034041	0.021401	-0.000144	-0.000176
26	DEAD	-0.000174	-6.337E-06	-0.003186	0.002199	-0.00018	-3.335E-06
27	VIVA CUB	-0.001036	-0.000019	-0.013194	0.011716	-0.001048	-0.000031
27	VCOMP	-0.000829	-0.000015	-0.010555	0.009373	-0.000838	-0.000025
27	VSUCC	0.000829	0.000015	0.010555	-0.009373	0.000838	0.000025
27	MUERTA CUB	-0.001577	-0.000059	-0.029591	0.0020329	-0.001624	-0.000033
28	DEAD	-0.000152	7.375E-06	-0.003125	-0.00206	-0.000073	0.00009
28	VIVA CUB	-0.000828	0.000022	-0.020991	-0.011519	-0.000151	0.000584
28	VCOMP	-0.000662	0.000018	-0.016793	-0.009215	-0.000121	0.000467
28	VSUCC	0.000662	-0.000018	0.016793	0.009215	0.000121	-0.000467
28	MUERTA CUB	-0.001355	0.000069	-0.02873	-0.010263	-0.000133	0.000978
29	DEAD	-0.000152	1.975E-06	-0.002684	-0.001945	-0.000169	3.159E-06
29	VIVA CUB	-0.000828	6.429E-06	-0.010748	-0.009968	-0.000946	-0.000029
29	VCOMP	-0.000662	5.143E-06	-0.008599	-0.007999	-0.000757	-0.000024
29	VSUCC	0.000662	-5.143E-06	0.008599	0.007999	0.000757	0.000024
29	MUERTA CUB	-0.001355	0.000018	-0.024754	-0.017991	-0.001516	-0.000031
152	DEAD	0.	0.	0.	0.000253	0.000089	0.000037
152	VIVA CUB	0.	0.	0.	0.001728	0.0003	0.000252
152	VCOMP	0.	0.	0.	0.001382	0.00024	0.000202
152	VSUCC	0.	0.	0.	-0.001382	-0.00024	-0.000202
152	MUERTA CUB	0.	0.	0.	0.002138	0.000314	0.000328
153	DEAD	-0.000035	-9.948E-06	-3.002E-06	0.000399	-0.000074	0.000037
153	VIVA CUB	-0.000097	-0.000108	-0.000221	0.003251	-0.00016	0.000299
153	VCOMP	-0.000078	-0.000086	-0.000016	0.002601	-0.000128	0.000239
153	VSUCC	0.000078	0.000086	0.000016	-0.002601	0.000128	-0.000239
153	MUERTA CUB	-0.000087	-0.00009	-0.000015	0.003655	-0.000144	0.000338
154	DEAD	-0.000039	0.000367	-0.000011	0.00042	0.000088	0.000038
154	VIVA CUB	-0.00011	0.002574	-0.000028	0.002956	0.000178	0.000281
154	VCOMP	-0.000088	0.002059	-0.000022	0.002365	0.000142	0.000224
154	VSUCC	0.000088	-0.002059	0.000022	-0.002365	-0.000142	-0.000224
154	MUERTA CUB	-0.000098	0.003216	-0.000024	0.003701	0.000154	0.000364
155	DEAD	0.	0.	0.	-0.000142	-0.000085	-0.000154
155	VIVA CUB	0.	0.	0.	-0.0011	-0.00019	-0.001097
155	VCOMP	0.	0.	0.	-0.00088	-0.000152	-0.000878
155	VSUCC	0.	0.	0.	0.00088	0.000152	0.000878
155	MUERTA CUB	0.	0.	0.	-0.001306	-0.000169	-0.0001385
156	DEAD	7.775E-06	2.644E-07	-0.000117	0.000687	0.000057	0.00007
156	VIVA CUB	0.000021	6.327E-06	-0.000323	0.004977	0.000159	0.000503
156	VCOMP	0.000016	-5.061E-06	-0.000258	0.003982	0.000127	0.000402
156	VSUCC	-0.000016	5.061E-06	0.000258	-0.003982	-0.000127	-0.000402
156	MUERTA CUB	0.000018	3.585E-06	-0.000286	0.006209	0.000134	0.000631
157	DEAD	-5.385E-06	-1.821E-06	-0.00015	0.000468	-4.59E-06	0.00008
157	VIVA CUB	-0.000017	-0.00029	-0.000424	0.006443	-0.000022	0.00063
157	VCOMP	-0.000014	-0.000023	-0.000034	0.005154	-0.000017	0.000504
157	VSUCC	0.000014	0.000023	0.000034	-0.005154	0.000017	-0.000504
157	MUERTA CUB	-0.000015	-0.000016	-0.000378	0.008172	-0.000017	0.000806
158	DEAD	-0.000024	-4.975E-06	-0.000101	0.000834	-0.000057	0.000079
158	VIVA CUB	-0.000067	-0.00006	-0.000289	0.006022	-0.000183	0.000564
158	VCOMP	-0.000054	-0.000048	-0.000231	0.004818	-0.000146	0.000451
158	VSUCC	0.000055	0.000046	0.000231	-0.004818	0.000146	-0.000451
158	MUERTA CUB	-0.00006	-0.000045	-0.000258	0.007645	-0.000163	0.000724
159	DEAD	-0.000017	0.000348	-0.000119	0.000331	0.00006	8.821E-06
159	VIVA CUB	-0.00005	0.002453	-0.000322	0.002317	0.000179	0.00007
159	VCOMP	-0.00004	0.001962	-0.000257	0.001854	0.000143	0.000056

Table 22: Joint Displacements							
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
171	VCOMP	-4.237E-06	-0.000021	-0.000079	-0.001308	-6.475E-06	-0.000148
171	VSUCC	4.237E-06	0.000021	0.000079	0.001308	6.475E-06	0.000148
171	MUERTA CUB	-3.249E-07	-0.000011	0.000033	-0.001898	-7.970E-07	-0.000029
172	DEAD	-0.000017	-3.534E-06	-0.000071	-0.000189	-0.000038	-0.000021
172	VIVA CUB	-0.000017	-0.00005	-0.000067	-0.001494	-0.000043	-0.000173
172	VCOMP	-0.000014	-0.00004	-0.000053	-0.001195	-0.000035	-0.000138
172	VSUCC	0.000014	0.00004	0.000053	0.001195	0.000035	0.000138
172	MUERTA CUB	3.188E-06	-0.000032	0.000023	-0.001732	0.000013	-0.000195
173	DEAD	-0.000012	-0.000062	-0.000086	-0.000053	0.000041	-5.890E-06
173	VIVA CUB	-0.000012	-0.000051	-0.000078	-0.000463	0.000041	-0.000057
173	VCOMP	9.245E-06	-0.000044	-0.000062	-0.000386	0.000033	-0.000029
173	VSUCC	9.245E-06	0.000044	0.000062	0.000386	-0.000033	0.000028
173	MUERTA CUB	3.396E-06	-0.000566	0.000021	-0.000486	-0.000014	-0.000053
174	DEAD	-2.667E-06	-0.000057	-0.000107	-0.000034	-7.690E-06	6.247E-06
174	VIVA CUB	-2.649E-06	-0.000484	-0.000097	-0.000318	-3.121E-06	0.000062
174	VCOMP	-2.119E-06	-0.000387	-0.000078	-0.000254	-2.650E-06	0.000049
174	VSUCC	2.119E-06	0.000387	0.000078	0.000254	2.650E-06	-0.000049
174	MUERTA CUB	5.882E-07	-0.000051	0.000031	-0.000023	-2.180E-06	0.000057
175	DEAD	2.915E-06	-0.000026	-0.000077	5.887E-07	-0.000045	0.000022
175	VIVA CUB	2.535E-06	-0.000296	-0.000069	-7.353E-06	-0.000039	0.000191
175	VCOMP	2.028E-06	-0.000237	-0.000056	-5.882E-06	-0.000031	0.000152
175	VSUCC	-2.028E-06	0.000237	0.000056	5.882E-06	0.000031	-0.000152
175	MUERTA CUB	-1.286E-06	-0.000323	0.000024	3.793E-06	0.000013	0.000025
176	DEAD	-2.302E-06	3.109E-07	0.000021	-0.000022	0.000045	-3.073E-06
176	VIVA CUB	-2.235E-06	4.265E-06	0.00002	-0.000285	0.000043	-0.000041
176	VCOMP	-1.788E-06	3.412E-06	0.000016	-0.000228	0.000034	-0.000032
176	VSUCC	1.788E-06	-3.412E-06	-0.000016	0.000228	-0.000034	0.000032
176	MUERTA CUB	1.260E-06	2.424E-06	-0.000011	-0.000209	-0.000024	-0.000028
177	DEAD	0.	0.	0.	0.000037	-9.978E-07	0.000017
177	VIVA CUB	0.	0.	0.	0.000095	-0.001026	-9.282E-06
177	VCOMP	0.	0.	0.	0.000076	-0.000821	-7.425E-06
177	VSUCC	0.	0.	0.	-0.000076	0.000821	7.425E-06
177	MUERTA CUB	0.	0.	0.	0.000342	-0.001601	-9.911E-06
177	DEAD	-0.000165	-4.952E-06	-5.619E-07	-0.000059	-0.000178	-9.978E-07
178	VIVA CUB	-0.000956	-0.000015	1.389E-06	-0.000148	-0.001027	-9.282E-06
178	VCOMP	-0.000765	-0.000012	1.111E-06	-0.000119	-0.000822	-7.425E-06
178	VSUCC	0.000765	0.000012	-1.111E-06	0.000119	0.000822	7.425E-06
178	MUERTA CUB	-0.001492	-0.000046	-3.381E-06	-0.000555	-0.001602	-9.911E-06
180	DEAD	0.	0.	0.	0.000022	0.000063	2.370E-06
180	VIVA CUB	0.	0.	0.	0.000159	0.000012	0.000012
180	VCOMP	0.	0.	0.	0.000127	0.000096	9.311E-06
180	VSUCC	0.	0.	0.	-0.000127	-0.000096	-9.311E-06
180	MUERTA CUB	0.	0.	0.	0.000186	0.000068	0.000021
181	DEAD	-0.000029	-4.278E-06	-2.059E-06	0.000012	-0.000064	1.773E-08
181	VIVA CUB	-0.000057	-0.000064	-0.000012	0.000119	-0.000093	-2.126E-06
181	VCOMP	-0.000045	-0.000051	-9.974E-06	0.000095	-0.000074	-1.700E-06
181	VSUCC	0.000045	0.000051	9.974E-06	-0.000095	0.000074	1.700E-06
181	MUERTA CUB	-0.000032	-0.000038	-6.759E-06	0.000011	-0.000053	1.990E-07
182	DEAD	-0.000032	0.000024	-9.819E-06	0.000026	0.000078	5.321E-07
182	VIVA CUB	-0.000064	0.000179	-0.000016	0.000187	0.000011	4.777E-06
182	VCOMP	-0.000051	0.000143	-0.000013	0.000158	0.000008	3.821E-06
182	VSUCC	0.000051	-0.000143	0.000013	-0.000158	-0.000008	-3.821E-06
182	MUERTA CUB	-0.000036	0.000208	-9.253E-06	0.000227	0.000063	6.267E-06
183	DEAD	0.	0.	0.	1.454E-06	-0.000074	-7.069E-06

Table 22: Joint Displacements							
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
183	VIVA CUB	0.	0.	0.	0.000046	-0.000111	-0.000049
183	VCOMP	0.	0.	0.	0.000037	-0.000089	-0.000039
183	VSUCC	0.	0.	0.	-0.000037	0.000089	0.000039
183	MUERTA CUB	0.	0.	0.	0.000012	-0.000063	-0.000063
184	DEAD	6.586E-06	2.047E-08	-0.000098	0.00003	0.000049	2.997E-06
184	VIVA CUB	0.000012	-8.070E-06	-0.00019	0.000242	0.000101	0.000019
184	VCOMP	9.991E-06	-6.456E-06	-0.000152	0.000194	0.000081	0.000015
184	VSUCC	-9.991E-06	6.456E-06	0.000152	-0.000194	-0.000081	-0.000015
184	MUERTA CUB	7.202E-06	7.016E-07	-0.000108	0.000267	0.000058	0.000027
185	DEAD	-4.771E-06	-8.121E-07	-0.000125	0.000039	-3.678E-06	3.252E-06
185	VIVA CUB	-9.780E-06	-0.000023	-0.000348	0.000311	-0.000015	0.000021
185	VCOMP	-7.824E-06	-0.000018	-0.000199	0.000249	-0.000012	0.000016
185	VSUCC	7.824E-06	0.000018	0.000199	-0.000249	0.000012	-0.000016
185	MUERTA CUB	-5.424E-06	-6.828E-06	-0.000142	0.000354	-8.226E-06	0.00003
186	DEAD	-0.00002	-2.212E-06	-0.000084	0.000035	-0.000046	2.288E-06
186	VIVA CUB	-0.000039	-0.000041	-0.000169	0.000283	-0.000107	0.000014
186	VCOMP	-0.000031	-0.000033	-0.000135	0.000226	-0.000085	0.000011
186	VSUCC	0.000031	0.000033	0.000135	-0.000226	0.000085	-0.000011
186	MUERTA CUB	-0.000022	-0.00002	-0.000097	0.000318	-0.000061	0.000021
187	DEAD	-0.000014	0.000021	-0.0001	0.000022	0.000049	-6.110E-07
187	VIVA CUB	-0.000028	0.000155	-0.000189	0.000169	0.000104	-3.484E-06
187	VCOMP	-0.000023	0.000124	-0.000151	0.000135	0.000083	-2.787E-06
187	VSUCC	0.000023	-0.000124	0.000151	-0.000135	-0.000083	2.787E-06
187	MUERTA CUB	-0.000016	0.000181	-0.000108	0.000189	0.000059	-4.166E-06
188	DEAD	-3.108E-06	0.000016	-0.000125	0.000017	-7.634E-06	-2.598E-06
188	VIVA CUB	-6.105E-06	0.00012	-0.000244	0.00014	-3.129E-06	-0.000018
188	VCOMP	-4.884E-06	0.000096	-0.000195	0.000112	-2.496E-06	-0.000014
188	VSUCC	4.884E-06	-0.000096	0.000195	-0.000112	2.496E-06	0.000014
188	MUERTA CUB	-3.470E-06	0.000141	-0.000139	0.000149	-1.482E-06	-0.000022
189	DEAD	3.513E-06	9.088E-06	-0.00009	8.820E-06	-0.000053	-5.275E-06
189	VIVA CUB	7.198E-06	0.000068	-0.000177	0.000088	-0.000099	-0.000037
189	VCOMP	5.759E-06	0.000055	-0.000141	0.00007	-0.000079	-0.00003
189	VSUCC	-5.759E-06	-0.000055	0.000141	-0.00007	0.000079	0.00003
189	MUERTA CUB	4.152E-06	0.000081	-0.000101	0.000074	-0.000066	-0.000047
190	DEAD	-2.828E-06	3.141E-08	0.000025	0.000022	0.000055	2.370E-06
190	VIVA CUB	-6.315E-06	2.811E-06	0.000057	0.000159	0.000012	0.000012
190	VCOMP	-5.052E-06	2.249E-06	0.000046	0.000127	0.000096	9.311E-06
190	VSUCC	5.052E-06	-2.249E-06	-0.000046	-0.000127	-0.000096	-9.311E-06
190	MUERTA CUB	-3.580E-06	2.551E-08	0.000032	0.000186	0.000068	0.000021
191	DEAD	0.	0.	0.	1.041E-06	-0.000176	-6.661E-07
191	VIVA CUB	0.	0.	0.	4.627E-06	-0.001011	-1.619E-06
191	VCOMP	0.	0.	0.	3.702E-06	-0.000086	-4.957E-06
191	VSUCC	0.	0.	0.	-3.702E-06	0.000086	4.957E-06
191	MUERTA CUB	0.	0.	0.	9.653E-06	-0.001584	-6.616E-06
192	DEAD	-0.000164	-3.610E-06	-1.168E-06	9.722E-06	-0.000176	-6.661E-07
192	VIVA CUB	-0.000942	-0.00001	-1.563E-07	0.000025	-0.001011	-1.619E-06
192	VCOMP	-0.000753	-8.378E-06	-1.251E-07	0.00002	-0.000809	-4.957E-06
192	VSUCC	0.000753	8.378E-06	1.251E-07	-0.00002	0.000809	4.957E-06
192	MUERTA CUB	-0.001477	-0.000034	-9.047E-06	0.000091	-0.001585	-6.616E-06
193	DEAD	0.	0.	0.	2.998E-06	0.000062	2.497E-07
194	VIVA CUB	0.	0.	0.	0.000023	0.000109	-3.757E-06
194	VCOMP	0.	0.	0.	0.000019	0.000087	-3.005E-06
194	VSUCC	0.	0.	0.	-0.000019	-0.000087	3.005E-06
194	MUERTA CUB	0.	0.	0.	0.000026	0.000054	2.251E-06

Table 22: Joint Displacements							
Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
195	DEAD	-0.000028	-1.427E-06	-1.979E-06	2.792E-07	-0.000063	-4.478E-07
195	VIVA CUB	-0.000051	-0.000043	-0.000012	0.000013	-0.000084	-7.156E-06
195	VCOMP	-0.000041	-0.000034	-9.408E-06	0.000011	-0.000067	-5.724E-06
195	VSUCC	0.000041	0.000034	9.408E-06	-0.000011	0.000067	5.724E-06
195	MUERTA CUB	-0.000025	-0.000012	-6.025E-06	2.193E-06	-0.000042	-3.928E-06
196	DEAD	-0.000032	2.093E-06	-9.600E-06	2.000E-06	0.000076	-3.685E-07
196	VIVA CUB	-0.000057	0.000014	-0.000015	0.000014	0.000098	-4.780E-06
196	VCOMP	-0.000045	0.000011	-0.000012	0.000011	0.000078	-3.824E-06
196	VSUCC	0.000045	-0.000011	0.000012	-0.000011	-0.000078	3.824E-06
196	MUERTA CUB	-0.000028	0.000018	-7.279E-06	0.000017	0.000049	-3.133E-06
197	DEAD	0.	0.	0.	2.030E-06	-0.000072	1.015E-08
197	VIVA CUB	0.	0.	0.	0.000058	-0.000099	-7.310E-06
197	VCOMP	0.	0.	0.	0.000046	-0.000079	-5.848E-06
197	VSUCC	0.	0.	0.	-0.000046	0.000079	-5.848E-06
197	MUERTA CUB	0.	0.	0.	0.000017	-0.000049	4.554E-08
198	DEAD	6.393E-06	-7.804E-08	-0.000095	-1.909E-07	0.000047	-1.418E-07
198	VIVA CUB	0.000011	-8.840E-06	-0.000169	-5.416E-06	0.000191	-7.762E-06
198	VCOMP	8.785E-06	-7.072E-06	-0.000136	-4.332E-06	0.000072	-6.210E-06
198	VSUCC	-8.785E-06	7.072E-06	0.000136	4.332E-06	-0.000072	6.210E-06
198	MUERTA CUB	-4.450E-06	-4.856E-07	-0.000095	1.820E-06	0.000061	-1.128E-06
199	DEAD	-4.675E-06	3.234E-07	-0.000121	-6.437E-07	3.530E-06	-3.156E-07
199	VIVA CUB	-0.039E-06	-0.000019	-0.000221	-9.095E-06	-0.000014	-8.930E-06
199	VCOMP	-7.232E-06	-0.000016	-0.000177	-7.276E-06	0.000011	-7.151E-06
199	VSUCC	7.232E-06	0.000016	0.000177	7.276E-06	-0.000011	7.151E-06
199	MUERTA CUB	-4.551E-06	-2.483E-06	-0.00011	-5.784E-06	-6.928E-06	-2.689E-06
200	DEAD	-0.000019	-7.795E-07	-0.000081	-6.174E-07	-0.000044	-6.464E-07
200	VIVA CUB	-0.000035	-0.000031	-0.000015	-6.336E-06	-0.000095	-8.989E-06
200	VCOMP	-0.000025	-0.000025	-0.000012	-5.099E-06	-0.000078	-6.989E-06
200	VSUCC	0.000028	0.000025	0.000012	5.099E-06	0.000078	7.191E-06
200	MUERTA CUB	-0.000018	-6.374E-06	-0.000075	-5.607E-06	-0.000047	-4.061E-06
201	DEAD	-0.000014	1.353E-06	-0.000097	1.940E-06	0.000048	-3.133E-07
201	VIVA CUB	-0.000025	6.339E-06	-0.000169	0.00002	0.000093	-2.947E-06
201	VCOMP	-0.00002	5.071E-06	-0.000135	0.000016	0.000074	-2.358E-06
201	VSUCC	0.000003	-0.0071E-06	0.000035	-0.000016	-0.000074	2.358E-06
201	MUERTA CUB	-0.000013	0.00010E-06	0.000018	-0.000016	0.000045	-2.678E-06
202	DEAD	3.020E-06	7.927E-07	-0.000122	1.893E-06	-7.994E-07	9.994E-07
202	VIVA CUB	-5.504E-06	9.274E-07	-0.000217	0.000026	-3.253E-06	3.877E-08
202	VCOMP	-4.403E-06	7.419E-07	-0.000214	0.000021	-2.588E-06	3.102E-08
202	VSUCC	4.403E-06	-7.419E-07	0.000214	-0.000021	2.588E-06	-3.102E-08
202	MUERTA CUB	-2.746E-06	6.288E-06	-0.000108	0.000016	-1.714E-06	-1.728E-06
203	DEAD	6.302E-06	2.943E-07	-0.000088	1.753E-06	-0.000051	-0.859E-08
203	VIVA CUB	3.430E-06	-9.941E-07	-0.000157	0.000038	-0.000088	3.962E-06
203	VCOMP	5.046E-06	-7.953E-07	-0.000166	0.000033	-0.00007	3.088E-06
203	VSUCC	-5.046E-06	7.953E-07	0.000166	-0.000033	0.00007	-3.088E-06
203	MUERTA CUB	3.141E-06	2.555E-06	-0.000078	0.000015	-0.000044	-7.294E-07
204	DEAD	-2.749E-06	3.964E-08	0.000025	2.998E-06	0.000054	2.479E-07
204	VIVA CUB	-5.704E-06	3.015E-06	0.000052	0.000023	0.000109	-3.757E-06
204	VCOMP	-4.563E-06	2.412E-06	0.000041	0.000019	0.000087	-3.005E-06
204	VSUCC	4.563E-06	-2.412E-06	-0.000041	-0.000019	-0.000087	3.005E-06
204	MUERTA CUB	-2.875E-06	2.763E-07	0.000026		0.000054	2.251E-06
205	DEAD	0.	0.	0.	3.314E-06	-0.000174	-6.397E-07
205	VIVA CUB	0.	0.	0.	8.138E-06	-0.000098	-5.946E-06
205	VCOMP	0.	0.	0.	7.311E-06	-0.000798	-4.757E-06
205	VSUCC	0.	0.	0.	-7.311E-06	0.000798	4.757E-06

Table 22: Joint Displacements						
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R3 Radians
217	VSUCC	-5.629E-06	0.000038	0.000138	3.670E-09	-0.000025
218	MUERTA CUB	4.063E-06	-0.000064	-0.000099	-0.00004	0.000038
219	DEAD	-2.838E-06	5.328E-06	0.000025	-0.000014	-1.678E-06
218	VIVA CUB	-6.251E-06	3.222E-06	0.000057	-0.000075	-0.000015
218	VCOMP	-5.001E-06	2.578E-06	0.000045	-0.00006	-0.000012
218	VSUCC	5.001E-06	-2.578E-06	0.000045	0.00006	0.000012
218	MUERTA CUB	-3.583E-06	5.817E-07	0.000032	-0.000119	0.000068
219	DEAD	0.	0.	0.	4.146E-06	-6.335E-07
219	VIVA CUB	0.	0.	0.	0.000012	-0.000098
219	VCOMP	0.	0.	0.	9.317E-06	-8.636E-06
219	VSUCC	0.	0.	0.	-9.317E-06	8.636E-06
219	MUERTA CUB	0.	0.	0.	0.000039	-0.001157
220	DEAD	-0.000161	-8.746E-07	-1.151E-06	-5.684E-06	-6.335E-07
220	VIVA CUB	-0.000918	-2.192E-06	-1.328E-07	-0.000017	-0.000985
220	VCOMP	-0.000734	-1.753E-06	-1.062E-07	-0.000013	-0.000788
220	VSUCC	0.000734	1.753E-06	1.062E-07	0.000013	0.000788
220	MUERTA CUB	-0.001451	-8.172E-06	-8.890E-06	-0.000053	-0.001157
222	DEAD	0.	0.	0.	0.000018	0.000056
222	VIVA CUB	0.	0.	0.	0.000166	0.000067
222	VCOMP	0.	0.	0.	0.000133	0.000053
222	VSUCC	0.	0.	0.	-0.000133	-0.000053
222	MUERTA CUB	0.	0.	0.	0.000179	-3.396E-06
223	DEAD	-0.000026	4.202E-06	-1.657E-06	0.000054	-0.000059
223	VIVA CUB	-0.000035	-1.405E-06	-9.293E-06	0.000426	-0.000057
223	VCOMP	-0.000028	-1.124E-06	-7.435E-06	0.000341	-0.000045
223	VSUCC	0.000028	1.124E-06	7.435E-06	-0.000341	0.000045
223	MUERTA CUB	-3.506E-06	0.00004	-3.078E-06	0.000494	-4.887E-06
224	DEAD	-0.000029	0.000049	-8.912E-06	0.000061	0.000017
224	VIVA CUB	-0.000038	0.000361	-9.967E-06	0.000438	-0.000069
224	VCOMP	-0.000031	0.000289	-7.974E-06	0.000351	-0.000054
224	VSUCC	0.000031	-0.000289	7.974E-06	-0.000351	-0.000054
224	MUERTA CUB	-3.212E-06	0.000455	-9.968E-07	0.000056	6.743E-06
225	DEAD	0.	0.	0.	-0.000029	-0.000028
225	VIVA CUB	0.	0.	0.	-0.000173	-0.000066
225	VCOMP	0.	0.	0.	-0.000139	-0.000053
225	VSUCC	0.	0.	0.	0.000139	0.000053
225	MUERTA CUB	0.	0.	0.	-0.000269	-4.443E-06
226	DEAD	5.795E-06	-3.175E-07	-0.000087	0.00013	0.000043
226	VIVA CUB	6.982E-06	-0.000011	-0.000115	0.000886	0.000062
226	VCOMP	5.585E-06	-8.521E-06	-0.000092	0.000709	0.00005
226	VSUCC	-5.585E-06	8.521E-06	0.000092	-0.000709	-0.00005
226	MUERTA CUB	-1.995E-09	-3.267E-06	-9.865E-06	0.001179	6.589E-06
227	DEAD	-4.352E-06	6.505E-07	-0.00011	0.000182	-3.061E-06
227	VIVA CUB	-6.875E-06	-0.000013	-0.000147	0.001229	-0.000011
227	VCOMP	-5.500E-06	-0.000011	-0.000118	0.000983	-8.469E-06
227	VSUCC	5.500E-06	0.000011	0.000118	-0.000983	8.469E-06
227	MUERTA CUB	-1.593E-06	6.188E-06	-9.300E-06	0.001663	-2.757E-06
228	DEAD	-0.000018	2.001E-06	-0.000074	0.000163	-0.00004
228	VIVA CUB	-0.000024	-0.000012	-0.0001	0.00111	-0.000064
228	VCOMP	-0.00002	-9.593E-06	-8.000E-06	0.00088	-0.000051
228	VSUCC	0.00002	9.593E-06	8.000E-06	-0.00088	0.000051
228	MUERTA CUB	-2.913E-06	0.000019	-0.016E-06	0.001493	-4.360E-06
229	DEAD	-0.000013	0.000053	-0.000089	0.000046	0.000043
229	VIVA CUB	-0.000017	0.0000376	-0.000114	0.000339	0.000062

Table 22: Joint Displacements						
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R3 Radians
229	VCOMP	-0.000014	0.0003	-0.000091	0.000271	0.000049
229	VSUCC	0.000014	-0.0003	0.000091	-0.000271	-0.000049
229	MUERTA CUB	-1.290E-06	0.000486	-9.823E-06	0.000423	3.815E-06
230	DEAD	-2.773E-06	0.000049	-0.000111	0.00003	-7.696E-06
230	VIVA CUB	-3.780E-06	0.000036	-0.000145	0.000237	-3.515E-06
230	VCOMP	-3.024E-06	0.000269	-0.000116	0.00019	-2.812E-06
230	VSUCC	3.024E-06	-0.000269	0.000116	-0.00019	2.812E-06
230	MUERTA CUB	-3.746E-07	0.000446	-9.521E-06	0.000283	-2.193E-06
231	DEAD	3.059E-06	0.000031	-0.00008	3.582E-07	-0.000047
231	VIVA CUB	4.037E-06	0.000208	-0.000104	0.000036	-0.000058
231	VCOMP	3.230E-06	0.000167	-0.000083	0.000029	-0.000047
231	VSUCC	-3.230E-06	-0.000167	0.000083	-0.000029	0.000047
231	MUERTA CUB	1.434E-08	0.00028	-6.102E-06	3.949E-06	-0.000176
232	DEAD	-2.421E-06	-2.409E-07	0.000022	0.000018	0.000047
232	VIVA CUB	-3.505E-06	1.486E-06	0.000032	0.000166	0.000067
232	VCOMP	-2.804E-06	1.189E-06	0.000025	0.000133	0.000053
232	VSUCC	2.804E-06	-1.189E-06	-0.000025	-0.000133	-0.000053
232	MUERTA CUB	1.753E-07	-1.967E-06	-1.586E-06	0.000179	-3.389E-06
233	DEAD	0.	0.	0.	-0.000022	-0.000171
233	VIVA CUB	0.	0.	0.	-0.000066	-0.000971
233	VCOMP	0.	0.	0.	-0.000052	-0.000777
233	VSUCC	0.	0.	0.	0.000052	0.000777
233	MUERTA CUB	0.	0.	0.	-0.000207	-0.001542
234	DEAD	-0.00016	4.536E-07	-7.698E-07	0.000044	-0.000171
234	VIVA CUB	-0.000904	1.839E-06	9.830E-07	0.000129	-0.000969
234	VCOMP	-0.000723	1.469E-06	7.864E-07	0.000103	-0.000775
234	VSUCC	0.000723	-1.469E-06	-7.864E-07	-0.000103	0.000775
234	MUERTA CUB	-0.001436	4.218E-06	-5.328E-06	0.000413	-0.00154
236	DEAD	0.	0.	0.	-0.000235	-0.000088
236	VIVA CUB	0.	0.	0.	-0.001411	0.000283
236	VCOMP	0.	0.	0.	-0.001128	0.000226
236	VSUCC	0.	0.	0.	0.001128	-0.000226
236	MUERTA CUB	0.	0.	0.	-0.001983	-0.000299
237	DEAD	-0.000034	7.375E-06	-2.894E-06	-0.000376	-0.000073
237	VIVA CUB	-0.000092	0.000022	-0.00002	-0.002811	-0.000151
237	VCOMP	-0.000074	0.000018	-0.000016	-0.002249	-0.000121
237	VSUCC	0.000074	-0.000018	0.000016	0.002249	0.000121
237	MUERTA CUB	-0.000081	0.000069	-0.000014	-0.003448	-0.000133
238	DEAD	-0.000038	-0.000049	-0.000011	-0.000401	0.000086
238	VIVA CUB	-0.000104	-0.002198	-0.000026	-0.002541	0.000169
238	VCOMP	-0.000083	-0.001758	-0.000021	-0.002033	0.000135
238	VSUCC	0.000083	0.001758	0.000021	0.002033	-0.000135
238	MUERTA CUB	-0.000091	-0.003061	-0.000023	-0.003539	0.000141
239	DEAD	0.	0.	0.	0.000137	-0.000084
239	VIVA CUB	0.	0.	0.	0.001065	-0.000179
239	VCOMP	0.	0.	0.	0.000852	-0.000144
239	VSUCC	0.	0.	0.	-0.000852	0.000144
239	MUERTA CUB	0.	0.	0.	0.001266	-0.000156
240	DEAD	7.603E-06	-4.239E-07	-0.000115	-0.000666	0.000056
240	VIVA CUB	0.002019	-0.002911	-0.000305	-0.004385	0.000151
240	VCOMP	0.000016	-9.138E-06	-0.000244	-0.003508	0.00012
240	VSUCC	-0.000016	9.138E-06	0.000244	0.003508	-0.00012
240	MUERTA CUB	0.000016	-4.631E-06	-0.000265	-0.006023	0.000123
241	DEAD	-5.753E-06	1.268E-06	-0.000147	-0.000877	-4.560E-06

Table 22: Joint Displacements							
Joint	OutputCase	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
241	VIVA CUB	-0.000016	-9.362E-06	-0.000401	-0.005802	-0.000021	-0.000582
241	VCOMP	-0.000013	-7.489E-06	-0.000321	-0.004642	-0.000017	-0.004645
241	VSUCC	0.000013	7.489E-06	0.000321	0.004642	0.000017	0.004645
241	MUERTA CUB	-0.000015	0.000012	-0.000349	-0.008038	-0.000016	-0.000797
242	DEAD	-0.000023	3.682E-06	-0.000099	-0.000815	-0.000056	-0.000078
242	VIVA CUB	-0.000064	-7.831E-07	-0.000273	-0.00541	-0.000173	-0.000522
242	VCOMP	-0.000051	-6.265E-07	-0.000219	-0.004328	-0.000138	-0.000417
242	VSUCC	0.000051	6.265E-07	0.000219	0.004328	0.000138	0.000417
242	MUERTA CUB	-0.000056	0.000035	-0.000238	-0.007487	-0.000151	-0.000716
243	DEAD	-0.000017	-0.000333	-0.000117	-0.000315	-0.000015	-0.00001
243	VIVA CUB	-0.000047	-0.000225	-0.000304	-0.001973	-0.000169	-0.000078
243	VCOMP	-0.000037	-0.00017	-0.000243	-0.001578	-0.000135	-0.000063
243	VSUCC	0.000037	0.00017	0.000243	0.001578	-0.000135	0.000063
243	MUERTA CUB	-0.000041	-0.000295	-0.000264	-0.002771	0.000148	-0.000109
244	DEAD	-3.778E-06	-0.000028	-0.000147	-0.000227	-7.690E-06	0.000038
244	VIVA CUB	-0.000011	-0.001803	-0.000394	-0.00139	-3.97E-06	0.000243
244	VCOMP	-8.519E-06	-0.001443	-0.000315	-0.001112	-2.718E-06	0.000195
244	VSUCC	8.519E-06	0.001443	0.000315	0.001112	2.718E-06	-0.000195
244	MUERTA CUB	-9.695E-06	-0.002057	-0.000343	-0.001985	-1.821E-06	0.000334
245	DEAD	4.107E-06	-0.000168	-0.000107	-0.000058	-0.000062	0.000102
245	VIVA CUB	0.000011	-0.001082	-0.000286	-0.00028	-0.000016	0.00068
245	VCOMP	8.973E-06	-0.000866	-0.000229	-0.000224	-0.000128	0.000544
245	VSUCC	-8.973E-06	0.000866	0.000229	0.000224	0.000128	-0.000544
245	MUERTA CUB	9.569E-06	-0.001506	-0.000249	-0.000469	-0.000139	0.000936
246	DEAD	-4.112E-06	4.427E-06	0.000037	-0.000235	0.000079	-0.000035
246	VIVA CUB	-0.000015	0.000033	0.000134	-0.001411	0.000283	-0.000226
246	VCOMP	-0.000012	0.000027	0.000107	-0.001128	0.000226	-0.000079
246	VSUCC	0.000012	-0.000027	-0.000107	0.001128	-0.000226	0.000079
246	MUERTA CUB	-0.000016	0.000044	0.000142	-0.001983	-0.000299	-0.000312
247	DEAD	0.	0.	0.	0.000143	-0.000168	-2.115E-06
247	VIVA CUB	0.	0.	0.	0.000432	-0.000943	-0.00002
247	VCOMP	0.	0.	0.	0.000346	-0.000754	-0.000016
247	VSUCC	0.	0.	0.	-0.000346	0.000754	0.000016
247	MUERTA CUB	0.	0.	0.	0.001387	-0.000512	-0.000021
248	DEAD	-0.000157	1.975E-06	-0.187E-06	-0.000002	-0.000169	-2.115E-06
248	VIVA CUB	-0.00008	6.425E-06	-8.65E-07	-0.000013	-0.000946	-0.00002
248	VCOMP	-0.000074	5.143E-06	-6.926E-07	-0.000073	-0.000737	-0.000016
248	VSUCC	0.000074	-5.143E-06	6.926E-07	0.000073	0.000757	0.000016
248	MUERTA CUB	-0.000141	0.000018	-0.000016	-0.00282	-0.001516	-0.000021
261	DEAD	-0.000141	3.579E-07	-0.004008	0.002092	0.000057	0.000034
261	VCOMP	-0.001009	-5.706E-06	-0.026148	0.012647	0.000159	0.000076
261	VSUCC	-0.000867	-4.565E-06	-0.020918	0.010027	0.000127	0.000061
261	MUERTA CUB	0.000097	0.000017	0.000017	-0.001117	-0.000128	0.000021
261	MUERTA CUB	-0.001402	4.435E-06	-0.035667	0.019048	0.000134	0.000296
262	DEAD	-0.000113	-5.092E-07	-0.003477	-0.001906	0.000056	-0.000027
262	VIVA CUB	-0.000074	-0.000012	-0.021508	-0.01101	0.000151	-0.000057
262	VCOMP	-0.000619	-9.568E-06	-0.017207	-0.008008	-0.000121	-0.000045
262	VSUCC	0.000619	9.568E-06	0.017207	0.008008	-0.000121	0.000045
262	MUERTA CUB	-0.001124	-5.407E-06	-0.038955	-0.017368	0.000123	-0.000245
263	DEAD	-0.000011	-1.92E-06	-0.000011	-0.000011	-4.692E-06	-0.000021
263	VIVA CUB	-0.000071	-0.000029	-0.037113	0.017413	-0.000022	-0.000569
263	VCOMP	-0.000137	-0.000023	-0.026971	0.013931	-0.000017	-0.000455
263	VSUCC	0.000137	0.000023	0.026971	-0.013931	0.000017	0.000455
263	MUERTA CUB	-0.000214	-0.000016	-0.046938	0.026144	-0.000017	-0.000749

Table 23: Joint Reactions						
Joint	OutputCase	F1 Tonf	F2 Tonf	F3 Tonf	M1 Tonf-m	M2 Tonf-m
180	VIVA CUB	0.1714	0.0086	0.462	0.	0.
180	VCOMP	0.1371	0.0068	0.3996	0.	0.
180	VSUCC	-0.371	-0.0068	0.	0.	0.
180	MUERTA CUB	0.0952	0.0119	0.3539	0.	0.
183	DEAD	-0.0843	-7.515E-04	0.2069	0.	0.
183	VIVA CUB	-0.1801	-0.0053	0.496	0.	0.
183	VCOMP	-0.1441	-0.0042	0.3968	0.	0.
183	VSUCC	0.1441	0.0042	-0.3968	0.	0.
183	MUERTA CUB	-0.1052	-0.0069	0.2788	0.	0.
191	DEAD	-1.035E-06	-1.674E-04	0.0163	0.	0.
191	VIVA CUB	-9.799E-06	-3.906E-04	0.0018	0.	0.
191	VCOMP	-7.839E-06	-3.125E-04	0.0015	0.	0.
191	VSUCC	7.839E-06	3.125E-04	-0.0015	0.	0.
191	MUERTA CUB	-1.046E-05	-0.0016	0.1069	0.	0.
194	DEAD	0.0815	6.501E-04	0.216	0.	0.
194	VIVA CUB	0.1583	0.0062	0.4276	0.	0.
194	VCOMP	0.1266	0.005	0.3421	0.	0.
194	VSUCC	-0.1266	-0.005	-0.3421	0.	0.
194	MUERTA CUB	0.0799	0.0055	0.3135	0.	0.
197	DEAD	-0.0812	7.511E-05	0.2012	0.	0.
197	VIVA CUB	-0.156	0.0019	0.4502	0.	0.
197	VCOMP	-0.1248	0.0015	0.3602	0.	0.
197	VSUCC	0.1248	-0.0015	-0.3602	0.	0.
197	MUERTA CUB	-0.0771	6.415E-04	0.2266	0.	0.
205	DEAD	-5.125E-08	5.396E-05	0.0153	0.	0.
205	VIVA CUB	-4.769E-07	1.393E-04	5.145E-04	0.	0.
205	VCOMP	-3.814E-07	1.114E-04	-4.116E-04	0.	0.
205	VSUCC	3.814E-07	-1.114E-04	4.116E-04	0.	0.
205	MUERTA CUB	-5.091E-07	5.041E-04	0.0982	0.	0.
208	DEAD	0.083	-5.690E-04	0.2199	0.	0.
208	VIVA CUB	0.1688	5.566E-04	0.4548	0.	0.
208	VCOMP	0.135	4.453E-04	0.3639	0.	0.
208	VSUCC	-0.135	-4.453E-04	-0.3639	0.	0.
208	MUERTA CUB	0.0936	-0.0034	0.3492	0.	0.
211	DEAD	-0.084	7.014E-04	0.2063	0.	0.
211	VIVA CUB	-0.1756	0.0061	0.4867	0.	0.
211	VCOMP	-0.1405	0.0049	0.3894	0.	0.
211	VSUCC	0.1405	-0.0049	-0.3894	0.	0.
211	MUERTA CUB	-0.1026	0.0064	0.2734	0.	0.
219	DEAD	7.584E-07	1.899E-04	0.0161	0.	0.
219	VIVA CUB	7.055E-06	5.492E-04	0.0016	0.	0.
219	VCOMP	5.644E-06	4.394E-04	0.0013	0.	0.
219	VSUCC	-5.644E-06	-4.394E-04	-0.0013	0.	0.
219	MUERTA CUB	7.533E-06	0.0018	0.105	0.	0.
222	DEAD	0.0769	-0.0093	0.2005	0.	0.
222	VIVA CUB	0.1276	-0.052	0.3278	0.	0.
222	VCOMP	0.1021	-0.0416	0.2623	0.	0.
222	VSUCC	-0.1021	0.0416	-0.2623	0.	0.
222	MUERTA CUB	0.0387	-0.0776	0.1761	0.	0.
225	DEAD	-0.0717	-0.0047	0.1822	0.	0.
225	VIVA CUB	-0.0929	-0.0323	0.318	0.	0.
225	VCOMP	-0.0743	-0.0259	0.2544	0.	0.
225	VSUCC	0.0743	0.0259	-0.2544	0.	0.
225	MUERTA CUB	0.0091	-0.0431	0.0524	0.	0.

Table 23: Joint Reactions						
Joint	OutputCase	F1 Tonf	F2 Tonf	F3 Tonf	M1 Tonf-m	M2 Tonf-m
233	DEAD	2.828E-06	-0.0013	0.0116	0.	0.
233	VIVA CUB	2.631E-05	-0.0038	-0.0116	0.	0.
233	VCOMP	2.105E-05	-0.003	-0.0093	0.	0.
233	VSUCC	-2.105E-05	0.003	0.0093	0.	0.
233	MUERTA CUB	2.809E-05	-0.0119	0.063	0.	0.
236	DEAD	0.0945	0.0744	0.2669	0.	0.
236	VIVA CUB	0.2491	0.4012	0.7403	0.	0.
236	VCOMP	0.1993	0.3209	0.5923	0.	0.
236	VSUCC	-0.1993	-0.3209	-0.5923	0.	0.
236	MUERTA CUB	0.1377	0.604	0.7468	0.	0.
239	DEAD	-0.0989	0.0254	0.2474	0.	0.
239	VIVA CUB	-0.2788	0.1806	0.794	0.	0.
239	VCOMP	-0.2231	0.1445	0.6352	0.	0.
239	VSUCC	0.2231	-0.1445	-0.6352	0.	0.
239	MUERTA CUB	-0.238	0.2326	0.6496	0.	0.
247	DEAD	-8.149E-06	0.0086	0.0245	0.	0.
247	VIVA CUB	-7.580E-05	0.0259	0.0102	0.	0.
247	VCOMP	-6.064E-05	0.0207	0.0082	0.	0.
247	VSUCC	6.064E-05	-0.0207	-0.0082	0.	0.
247	MUERTA CUB	-8.094E-05	0.0802	0.1846	0.	0.

9. Frame results

This section provides frame force results.

Table 24: Element Forces - Frames, Part 1 of 2

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station	OutputCase	P Tonf	V2 Tonf	V3 Tonf
2	0.	DEAD	9.442E-04	-0.0034	0.
2	0.65396	DEAD	0.0013	-1.708E-19	0.
2	1.30792	DEAD	0.0017	0.0034	0.
2	0.	VIVA CUB	0.0105	0.	0.
2	0.65396	VIVA CUB	0.0105	0.	0.
2	1.30792	VIVA CUB	0.0105	0.	0.
2	0.	VCOMP	0.0084	0.	0.
2	0.65396	VCOMP	0.0084	0.	0.
2	1.30792	VCOMP	0.0084	0.	0.
2	0.	VSUCC	-0.0084	0.	0.
2	0.65396	VSUCC	-0.0084	0.	0.
2	1.30792	VSUCC	-0.0084	0.	0.
2	0.	MUERTA CUB	0.01	-0.0325	0.
2	0.65396	MUERTA CUB	0.0136	-4.299E-19	0.
2	1.30792	MUERTA CUB	0.0172	0.0325	0.
3	0.	DEAD	6.667E-04	-0.0034	0.
3	0.65395	DEAD	0.001	2.082E-20	0.
3	1.30791	DEAD	0.0014	0.0034	0.
3	0.	VIVA CUB	0.0081	0.	0.
3	0.65395	VIVA CUB	0.0081	0.	0.
3	1.30791	VIVA CUB	0.0081	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P	V2	V3
			Tonf	Tonf	Tonf
3	0.	VCOMP	0.0065	0.	0.
3	0.65395	VCOMP	0.0065	0.	0.
3	1.30791	VCOMP	0.0065	0.	0.
3	0.	VSUCC	-0.0065	0.	0.
3	0.65395	VSUCC	-0.0065	0.	0.
3	1.30791	VSUCC	-0.0065	0.	0.
3	0.	MUERTA CUB	0.0072	-0.0325	0.
3	0.65395	MUERTA CUB	0.0107	-6.962E-18	0.
3	1.30791	MUERTA CUB	0.0143	0.0325	0.
6	0.	DEAD	0.019	-0.0103	6.989E-04
6	0.4125	DEAD	0.019	-0.0082	6.989E-04
6	0.825	DEAD	0.019	-0.006	6.989E-04
6	1.2375	DEAD	0.019	-0.0038	6.989E-04
6	1.65	DEAD	0.019	-0.0016	6.989E-04
6	0.	VIVA CUB	0.1488	-0.1218	0.0052
6	0.4125	VIVA CUB	0.1488	-0.0847	0.0052
6	0.825	VIVA CUB	0.1488	-0.0476	0.0052
6	1.2375	VIVA CUB	0.1488	-0.0105	0.0052
6	1.65	VIVA CUB	0.1488	0.0267	0.0052
6	0.	VCOMP	0.119	-0.0975	0.0042
6	0.4125	VCOMP	0.119	-0.0678	0.0042
6	0.825	VCOMP	0.119	-0.0381	0.0042
6	1.2375	VCOMP	0.119	-0.0084	0.0042
6	1.65	VCOMP	0.119	0.0213	0.0042
6	0.	VSUCC	-0.119	0.0975	-0.0042
6	0.4125	VSUCC	-0.119	0.0678	-0.0042
6	0.825	VSUCC	-0.119	0.0381	-0.0042
6	1.2375	VSUCC	-0.119	0.0084	-0.0042
6	1.65	VSUCC	-0.119	-0.0213	-0.0042
6	0.	MUERTA CUB	0.1744	-0.0933	0.0064
6	0.4125	MUERTA CUB	0.1744	-0.074	0.0064
6	0.825	MUERTA CUB	0.1744	-0.0547	0.0064
6	1.2375	MUERTA CUB	0.1744	-0.0354	0.0064
6	1.65	MUERTA CUB	0.1744	-0.0161	0.0064
7	0.	DEAD	0.0156	-0.0046	-1.885E-04
7	0.5	DEAD	0.0156	-0.0019	-1.885E-04
7	1.	DEAD	0.0156	7.065E-04	-1.885E-04
7	1.5	DEAD	0.0156	0.0034	-1.885E-04
7	2.	DEAD	0.0156	0.006	-1.885E-04
7	0.	VIVA CUB	0.1171	-0.0838	-0.0017
7	0.5	VIVA CUB	0.1171	-0.0388	-0.0017
7	1.	VIVA CUB	0.1171	0.0062	-0.0017
7	1.5	VIVA CUB	0.1171	0.0512	-0.0017
7	2.	VIVA CUB	0.1171	0.0962	-0.0017
7	0.	VCOMP	0.0936	-0.0671	-0.0013
7	0.5	VCOMP	0.0936	-0.0311	-0.0013
7	1.	VCOMP	0.0936	0.0049	-0.0013
7	1.5	VCOMP	0.0936	0.0409	-0.0013
7	2.	VCOMP	0.0936	0.0769	-0.0013
7	0.	VSUCC	-0.0936	0.0671	0.0013
7	0.5	VSUCC	-0.0936	0.0311	0.0013
7	1.	VSUCC	-0.0936	-0.0049	0.0013
7	1.5	VSUCC	-0.0936	-0.0409	0.0013
7	2.	VSUCC	-0.0936	-0.0769	0.0013

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station	OutputCase	P Tonf	V2 Tonf	V3 Tonf
7	0.	MUERTA CUB	0.1436	-0.0404	-0.0017
7	0.5	MUERTA CUB	0.1436	-0.017	-0.0017
7	1.	MUERTA CUB	0.1436	0.0064	-0.0017
7	1.5	MUERTA CUB	0.1436	0.0298	-0.0017
7	2.	MUERTA CUB	0.1436	0.0532	-0.0017
8	0.	DEAD	0.0157	-0.0055	3.975E-06
8	0.5	DEAD	0.0157	-0.0028	3.975E-06
8	1.	DEAD	0.0157	-1.532E-04	3.975E-06
8	1.5	DEAD	0.0157	0.0025	3.975E-06
8	2.	DEAD	0.0157	0.0051	3.975E-06
8	0.	VIVA CUB	0.1173	-0.0916	-4.336E-05
8	0.5	VIVA CUB	0.1173	-0.0466	-4.336E-05
8	1.	VIVA CUB	0.1173	-0.0016	-4.336E-05
8	1.5	VIVA CUB	0.1173	0.0434	-4.336E-05
8	2.	VIVA CUB	0.1173	0.0884	-4.336E-05
8	0.	VCOMP	0.0939	-0.0733	-3.469E-05
8	0.5	VCOMP	0.0939	-0.0373	-3.469E-05
8	1.	VCOMP	0.0939	-0.0013	-3.469E-05
8	1.5	VCOMP	0.0939	0.0347	-3.469E-05
8	2.	VCOMP	0.0939	0.0707	-3.469E-05
8	0.	VSUCC	-0.0939	0.0733	3.469E-05
8	0.5	VSUCC	-0.0939	0.0373	3.469E-05
8	1.	VSUCC	-0.0939	0.0013	3.469E-05
8	1.5	VSUCC	-0.0939	-0.0347	3.469E-05
8	2.	VSUCC	-0.0939	-0.0707	3.469E-05
8	0.	MUERTA CUB	0.1447	-0.0482	3.855E-05
8	0.5	MUERTA CUB	0.1447	-0.0248	3.855E-05
8	1.	MUERTA CUB	0.1447	-0.0014	3.855E-05
8	1.5	MUERTA CUB	0.1447	0.022	3.855E-05
8	2.	MUERTA CUB	0.1447	0.0454	3.855E-05
9	0.	DEAD	0.0156	-0.0052	-0.091E-05
9	0.	DEAD	0.0156	-0.0025	-0.091E-05
9	1.	DEAD	0.0156	1.024E-04	-0.091E-05
9	1.5	DEAD	0.0156	0.0028	-0.091E-05
9	2.	DEAD	0.0156	0.0054	-0.091E-05
9	0.	VIVA CUB	0.1155	-0.0895	-2.366E-04
9	0.5	VIVA CUB	0.1155	-0.0445	-2.366E-04
9	1.	VIVA CUB	0.1155	-4.590E-04	-2.366E-04
9	1.5	VIVA CUB	0.1155	0.0455	-2.366E-04
9	2.	VIVA CUB	0.1155	0.0905	-2.366E-04
9	0.	VCOMP	0.0924	-0.0716	-1.893E-04
9	0.5	VCOMP	0.0924	-0.0356	-1.893E-04
9	1.	VCOMP	0.0924	3.672E-04	-1.893E-04
9	1.5	VCOMP	0.0924	0.0364	-1.893E-04
9	2.	VCOMP	0.0924	0.0724	-1.893E-04
9	0.	VSUCC	-0.0924	0.0716	1.893E-04
9	0.5	VSUCC	-0.0924	0.0356	1.893E-04
9	1.	VSUCC	-0.0924	-3.672E-04	1.893E-04
9	1.5	VSUCC	-0.0924	-0.0364	1.893E-04
9	2.	VSUCC	-0.0924	-0.0724	1.893E-04
9	0.	MUERTA CUB	0.1438	-0.0458	-1.863E-04
9	0.5	MUERTA CUB	0.1438	-0.0224	-1.863E-04
9	1.	MUERTA CUB	0.1438	9.519E-04	-1.863E-04
9	1.5	MUERTA CUB	0.1438	0.0244	-1.863E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
9	2.	MUERTA CUB	0.1438	0.0478	-1.863E-04
10	0.	DEAD	0.0154	-0.0059	1.335E-04
10	0.5	DEAD	0.0154	-0.0032	1.335E-04
10	1.	DEAD	0.0154	-5.597E-04	1.335E-04
10	1.5	DEAD	0.0154	0.0021	1.335E-04
10	2.	DEAD	0.0154	0.0047	1.335E-04
10	0.	VIVA CUB	0.1132	-0.0946	9.080E-04
10	0.5	VIVA CUB	0.1132	-0.0496	9.080E-04
10	1.	VIVA CUB	0.1132	-0.0046	9.080E-04
10	1.5	VIVA CUB	0.1132	0.0404	9.080E-04
10	2.	VIVA CUB	0.1132	0.0854	9.080E-04
10	0.	VCOMP	0.0905	-0.0757	7.264E-04
10	0.5	VCOMP	0.0905	-0.0397	7.264E-04
10	1.	VCOMP	0.0905	-0.0037	7.264E-04
10	1.5	VCOMP	0.0905	0.0323	7.264E-04
10	2.	VCOMP	0.0905	0.0683	7.264E-04
10	0.	VSUCC	-0.0905	0.0757	-7.264E-04
10	0.5	VSUCC	-0.0905	0.0397	-7.264E-04
10	1.	VSUCC	-0.0905	0.0037	-7.264E-04
10	1.5	VSUCC	-0.0905	-0.0323	-7.264E-04
10	2.	VSUCC	-0.0905	-0.0683	-7.264E-04
10	0.	MUERTA CUB	0.1419	-0.0519	0.0012
10	0.5	MUERTA CUB	0.1419	-0.0285	0.0012
10	1.	MUERTA CUB	0.1419	-0.0051	0.0012
10	1.5	MUERTA CUB	0.1419	0.0183	0.0012
10	2.	MUERTA CUB	0.1419	0.0417	0.0012
11	0.	DEAD	0.0179	-9.698E-04	-4.767E-04
11	0.4875	DEAD	0.0179	0.0016	-4.767E-04
11	0.975	DEAD	0.0179	0.0042	-4.767E-04
11	1.4625	DEAD	0.0179	0.0068	-4.767E-04
11	1.95	DEAD	0.0179	0.0094	-4.767E-04
11	0.	VIVA CUB	0.1316	-0.0567	-0.0036
11	0.4875	VIVA CUB	0.1316	-0.0128	-0.0036
11	0.975	VIVA CUB	0.1316	0.0311	-0.0036
11	1.4625	VIVA CUB	0.1316	0.0749	-0.0036
11	1.95	VIVA CUB	0.1316	0.1188	-0.0036
11	0.	VCOMP	0.1053	-0.0453	-0.0029
11	0.4875	VCOMP	0.1053	-0.0102	-0.0029
11	0.975	VCOMP	0.1053	0.0249	-0.0029
11	1.4625	VCOMP	0.1053	0.06	-0.0029
11	1.95	VCOMP	0.1053	0.0951	-0.0029
11	0.	VSUCC	-0.1053	0.0453	0.0029
11	0.4875	VSUCC	-0.1053	0.0102	0.0029
11	0.975	VSUCC	-0.1053	-0.0249	0.0029
11	1.4625	VSUCC	-0.1053	-0.06	0.0029
11	1.95	VSUCC	-0.1053	-0.0951	0.0029
11	0.	MUERTA CUB	0.1652	-0.0071	-0.0043
11	0.4875	MUERTA CUB	0.1652	0.0157	-0.0043
11	0.975	MUERTA CUB	0.1652	0.0385	-0.0043
11	1.4625	MUERTA CUB	0.1652	0.0613	-0.0043
11	1.95	MUERTA CUB	0.1652	0.0841	-0.0043
16	0.	DEAD	0.0014	-0.0034	0.
16	0.65396	DEAD	0.0014	-1.708E-19	0.
16	1.30792	DEAD	0.0017	0.0034	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
16	0.	VIVA CUB	0.0101	0.	0.
16	0.65396	VIVA CUB	0.0101	0.	0.
16	1.30792	VIVA CUB	0.0101	0.	0.
16	0.	VCOMP	0.0081	0.	0.
16	0.65396	VCOMP	0.0081	0.	0.
16	1.30792	VCOMP	0.0081	0.	0.
16	0.	VSUCC	-0.0081	0.	0.
16	0.65396	VSUCC	-0.0081	0.	0.
16	1.30792	VSUCC	-0.0081	0.	0.
16	0.	MUERTA CUB	0.0105	-0.0325	0.
16	0.65396	MUERTA CUB	0.0141	-4.299E-19	0.
16	1.30792	MUERTA CUB	0.0177	0.0325	0.
17	0.	DEAD	6.893E-04	-0.0034	0.
17	0.65395	DEAD	0.0011	2.082E-20	0.
17	1.30791	DEAD	0.0015	0.0034	0.
17	0.	VIVA CUB	0.0077	0.	0.
17	0.65395	VIVA CUB	0.0077	0.	0.
17	1.30791	VIVA CUB	0.0077	0.	0.
17	0.	VCOMP	0.0062	0.	0.
17	0.65395	VCOMP	0.0062	0.	0.
17	1.30791	VCOMP	0.0062	0.	0.
17	0.	VSUCC	-0.0062	0.	0.
17	0.65395	VSUCC	-0.0062	0.	0.
17	1.30791	VSUCC	-0.0062	0.	0.
17	0.	MUERTA CUB	0.0075	-0.0325	0.
17	0.65395	MUERTA CUB	0.011	-6.962E-18	0.
17	1.30791	MUERTA CUB	0.0146	0.0325	0.
21	0.	DEAD	0.	-0.0086	6.220E-04
21	0.4125	DEAD	0.	-0.0064	6.220E-04
21	0.825	DEAD	0.	-0.0042	6.220E-04
21	1.2375	DEAD	0.	-0.002	6.220E-04
21	1.65	DEAD	0.	1.564E-04	6.220E-04
21	0.	VIVA CUB	0.	-0.1005	0.0039
21	0.4125	VIVA CUB	0.	-0.0634	0.0039
21	0.825	VIVA CUB	0.	-0.0263	0.0039
21	1.2375	VIVA CUB	0.	0.0109	0.0039
21	1.65	VIVA CUB	0.	0.048	0.0039
21	0.	VCOMP	0.	-0.0804	0.0031
21	0.4125	VCOMP	0.	-0.0507	0.0031
21	0.825	VCOMP	0.	-0.021	0.0031
21	1.2375	VCOMP	0.	0.0087	0.0031
21	1.65	VCOMP	0.	0.0384	0.0031
21	0.	VSUCC	0.	0.0804	-0.0031
21	0.4125	VSUCC	0.	0.0507	-0.0031
21	0.825	VSUCC	0.	0.021	-0.0031
21	1.2375	VSUCC	0.	-0.0087	-0.0031
21	1.65	VSUCC	0.	-0.0384	-0.0031
21	0.	MUERTA CUB	0.	-0.0737	0.0055
21	0.4125	MUERTA CUB	0.	-0.0544	0.0055
21	0.825	MUERTA CUB	0.	-0.0351	0.0055
21	1.2375	MUERTA CUB	0.	-0.0158	0.0055
21	1.65	MUERTA CUB	0.	0.0035	0.0055
22	0.	DEAD	0.	-0.0053	-8.755E-06
22	0.5	DEAD	0.	-0.0027	-8.755E-06

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
22	1.	DEAD	0.	-1.929E-06	-8.755E-06
22	1.5	DEAD	0.	0.0026	-8.755E-06
22	2.	DEAD	0.	0.0053	-8.755E-06
22	0.	VIVA CUB	0.	-0.0884	-3.596E-04
22	0.5	VIVA CUB	0.	-0.0434	-3.596E-04
22	1.	VIVA CUB	0.	0.0016	-3.596E-04
22	1.5	VIVA CUB	0.	0.0466	-3.596E-04
22	2.	VIVA CUB	0.	0.0916	-3.596E-04
22	0.	VCOMP	0.	-0.0707	-2.877E-04
22	0.5	VCOMP	0.	-0.0347	-2.877E-04
22	1.	VCOMP	0.	0.0013	-2.877E-04
22	1.5	VCOMP	0.	0.0373	-2.877E-04
22	2.	VCOMP	0.	0.0733	-2.877E-04
22	0.	VSUCC	0.	0.0707	2.877E-04
22	0.5	VSUCC	0.	0.0347	2.877E-04
22	1.	VSUCC	0.	-0.0013	2.877E-04
22	1.5	VSUCC	0.	-0.0373	2.877E-04
22	2.	VSUCC	0.	-0.0733	2.877E-04
22	0.	MUERTA CUB	0.	-0.0465	-9.593E-05
22	0.5	MUERTA CUB	0.	-0.0231	-9.593E-05
22	1.	MUERTA CUB	0.	2.873E-04	-9.593E-05
22	1.5	MUERTA CUB	0.	0.0237	-9.593E-05
22	2.	MUERTA CUB	0.	0.0471	-9.593E-05
23	0.	DEAD	0.	-0.0056	3.258E-05
23	0.5	DEAD	0.	-0.003	3.258E-05
23	1.	DEAD	0.	-3.115E-04	3.258E-05
23	1.5	DEAD	0.	0.0023	3.258E-05
23	2.	DEAD	0.	0.005	3.258E-05
23	0.	VIVA CUB	0.	-0.0923	9.809E-05
23	0.5	VIVA CUB	0.	-0.0473	9.809E-05
23	1.	VIVA CUB	0.	-0.0023	9.809E-05
23	1.5	VIVA CUB	0.	0.0427	9.809E-05
23	2.	VIVA CUB	0.	0.0877	9.809E-05
23	0.	VCOMP	0.	-0.0738	7.847E-05
23	0.5	VCOMP	0.	-0.0378	7.847E-05
23	1.	VCOMP	0.	-0.0018	7.847E-05
23	1.5	VCOMP	0.	0.0342	7.847E-05
23	2.	VCOMP	0.	0.0702	7.847E-05
23	0.	VSUCC	0.	0.0738	-7.847E-05
23	0.5	VSUCC	0.	0.0378	-7.847E-05
23	1.	VSUCC	0.	0.0018	-7.847E-05
23	1.5	VSUCC	0.	-0.0342	-7.847E-05
23	2.	VSUCC	0.	-0.0702	-7.847E-05
23	0.	MUERTA CUB	0.	-0.0484	2.835E-04
23	0.5	MUERTA CUB	0.	-0.026	2.835E-04
23	1.	MUERTA CUB	0.	-0.0026	2.835E-04
23	1.5	MUERTA CUB	0.	0.0208	2.835E-04
23	2.	MUERTA CUB	0.	0.0442	2.835E-04
24	0.	DEAD	0.	-0.0052	-1.780E-05
24	0.5	DEAD	0.	-0.0025	-1.780E-05
24	1.	DEAD	0.	1.390E-04	-1.780E-05
24	1.5	DEAD	0.	0.0028	-1.780E-05
24	2.	DEAD	0.	0.0054	-1.780E-05
24	0.	VIVA CUB	0.	-0.0894	-2.343E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station	OutputCase	P Tonf	V2 Tonf	V3 Tonf
	m				
24	0.5	VIVA CUB	0.	-0.0444	-2.343E-04
24	1.	VIVA CUB	0.	6.413E-04	-2.343E-04
24	1.5	VIVA CUB	0.	0.0456	-2.343E-04
24	2.	VIVA CUB	0.	0.0906	-2.343E-04
24	0.	VCOMP	0.	-0.0715	-1.874E-04
24	0.5	VCOMP	0.	-0.0355	-1.874E-04
24	1.	VCOMP	0.	5.130E-04	-1.874E-04
24	1.5	VCOMP	0.	0.0365	-1.874E-04
24	2.	VCOMP	0.	0.0725	-1.874E-04
24	0.	VSUCC	0.	0.0715	1.874E-04
24	0.5	VSUCC	0.	0.0365	1.874E-04
24	1.	VSUCC	0.	-5.130E-04	1.874E-04
24	1.5	VSUCC	0.	-0.0365	1.874E-04
24	2.	VSUCC	0.	-0.0725	1.874E-04
24	0.	MUERTA CUB	0.	-0.0456	-1.508E-04
24	0.5	MUERTA CUB	0.	-0.0222	-1.508E-04
24	1.	MUERTA CUB	0.	0.0012	-1.508E-04
24	1.5	MUERTA CUB	0.	0.0246	-1.508E-04
24	2.	MUERTA CUB	0.	0.048	-1.508E-04
25	0.	DEAD	0.	-0.0054	1.071E-05
25	0.5	DEAD	0.	-0.0027	1.071E-05
25	1.	DEAD	0.	-5.238E-05	1.071E-05
25	1.5	DEAD	0.	0.0026	1.071E-05
25	2.	DEAD	0.	0.0052	1.071E-05
25	0.	VIVA CUB	0.	-0.0911	2.210E-06
25	0.5	VIVA CUB	0.	-0.0461	2.210E-06
25	1.	VIVA CUB	0.	-0.0011	2.210E-06
25	1.5	VIVA CUB	0.	0.0439	2.210E-06
25	2.	VIVA CUB	0.	0.0889	2.210E-06
25	0.	VCOMP	0.	-0.0729	1.768E-06
25	0.5	VCOMP	0.	-0.0369	1.768E-06
25	1.	VCOMP	0.	-9.087E-04	1.768E-06
25	1.5	VCOMP	0.	0.0351	1.768E-06
25	2.	VCOMP	0.	0.0711	1.768E-06
25	0.	VSUCC	0.	0.0729	1.768E-06
25	0.5	VSUCC	0.	0.0369	1.768E-06
25	1.	VSUCC	0.	9.087E-04	1.768E-06
25	1.5	VSUCC	0.	-0.0351	1.768E-06
25	2.	VSUCC	0.	-0.0711	1.768E-06
25	0.	MUERTA CUB	0.	-0.0476	1.192E-04
25	0.5	MUERTA CUB	0.	-0.0242	1.192E-04
25	1.	MUERTA CUB	0.	-7.503E-04	1.192E-04
25	1.5	MUERTA CUB	0.	0.0226	1.192E-04
25	2.	MUERTA CUB	0.	0.046	1.192E-04
26	0.	DEAD	0.	-0.0023	-4.292E-04
26	0.4875	DEAD	0.	2.563E-04	-4.292E-04
26	0.975	DEAD	0.	0.0028	-4.292E-04
26	1.4625	DEAD	0.	0.0054	-4.292E-04
26	1.95	DEAD	0.	0.008	-4.292E-04
26	0.	VIVA CUB	0.	-0.0715	-0.0028
26	0.4875	VIVA CUB	0.	-0.0276	-0.0028
26	0.975	VIVA CUB	0.	0.0163	-0.0028
26	1.4625	VIVA CUB	0.	0.0602	-0.0028
26	1.95	VIVA CUB	0.	0.104	-0.0028

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
26	0.	VCOMP	0.	-0.0572	-0.0022
26	0.4875	VCOMP	0.	-0.0221	-0.0022
26	0.975	VCOMP	0.	-0.013	-0.0022
26	1.4625	VCOMP	0.	0.0481	-0.0022
26	1.95	VCOMP	0.	0.0832	-0.0022
26	0.	VSUCC	0.	0.0572	0.0022
26	0.4875	VSUCC	0.	0.0221	0.0022
26	0.975	VSUCC	0.	-0.013	0.0022
26	1.4625	VSUCC	0.	-0.0481	0.0022
26	1.95	VSUCC	0.	-0.0832	0.0022
26	0.	MUERTA CUB	0.	-0.022	-0.0038
26	0.4875	MUERTA CUB	0.	7.835E-04	-0.0038
26	0.975	MUERTA CUB	0.	0.0236	-0.0038
26	1.4625	MUERTA CUB	0.	0.0464	-0.0038
26	1.95	MUERTA CUB	0.	0.0692	-0.0038
32	0.	DEAD	-0.0249	0.0036	0.0349
32	0.2873	DEAD	-0.0234	0.0036	0.0349
32	0.5746	DEAD	-0.0218	0.0036	0.0349
32	0.	VIVA CUB	-0.0614	0.0247	0.2096
32	0.2873	VIVA CUB	-0.0614	0.0247	0.2096
32	0.5746	VIVA CUB	-0.0614	0.0247	0.2096
32	0.	VCOMP	-0.0491	0.0197	0.1677
32	0.2873	VCOMP	-0.0491	0.0197	0.1677
32	0.5746	VCOMP	-0.0491	0.0197	0.1677
32	0.	VSUCC	0.0491	-0.0197	-0.1677
32	0.2873	VSUCC	0.0491	-0.0197	-0.1677
32	0.5746	VSUCC	0.0491	-0.0197	-0.1677
32	0.	MUERTA CUB	-0.1858	0.0346	0.2862
32	0.2873	MUERTA CUB	-0.1858	0.0346	0.2862
32	0.5746	MUERTA CUB	-0.1858	0.0346	0.2862
34	0.	DEAD	0.04	0.0037	-0.0023
34	0.416	DEAD	0.04	0.0059	-0.0023
34	0.832	DEAD	0.04	0.0081	-0.0023
34	1.248	DEAD	0.04	0.0103	-0.0023
34	1.664	DEAD	0.04	0.0125	-0.0023
34	2.08	DEAD	0.04	0.0147	-0.0023
34	0.	VIVA CUB	0.2056	0.0474	-0.0157
34	0.416	VIVA CUB	0.2056	0.0474	-0.0157
34	0.832	VIVA CUB	0.2056	0.0474	-0.0157
34	1.248	VIVA CUB	0.2056	0.0474	-0.0157
34	1.664	VIVA CUB	0.2056	0.0474	-0.0157
34	2.08	VIVA CUB	0.2056	0.0474	-0.0157
34	0.	VCOMP	0.1645	0.0379	-0.0125
34	0.416	VCOMP	0.1645	0.0379	-0.0125
34	0.832	VCOMP	0.1645	0.0379	-0.0125
34	1.248	VCOMP	0.1645	0.0379	-0.0125
34	1.664	VCOMP	0.1645	0.0379	-0.0125
34	2.08	VCOMP	0.1645	0.0379	-0.0125
34	0.	VSUCC	-0.1645	-0.0379	0.0125
34	0.416	VSUCC	-0.1645	-0.0379	0.0125
34	0.832	VSUCC	-0.1645	-0.0379	0.0125
34	1.248	VSUCC	-0.1645	-0.0379	0.0125
34	1.664	VSUCC	-0.1645	-0.0379	0.0125
34	2.08	VSUCC	-0.1645	-0.0379	0.0125

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
34	0.	MUERTA CUB	0.3213	0.0189	-0.0222
34	0.416	MUERTA CUB	0.3213	0.0397	-0.0222
34	0.832	MUERTA CUB	0.3213	0.0605	-0.0222
34	1.248	MUERTA CUB	0.3213	0.0813	-0.0222
34	1.664	MUERTA CUB	0.3213	0.1021	-0.0222
34	2.08	MUERTA CUB	0.3213	0.1229	-0.0222
35	0.	DEAD	0.0749	-0.0071	0.0013
35	0.4125	DEAD	0.0749	-0.005	0.0013
35	0.825	DEAD	0.0749	-0.0028	0.0013
35	1.2375	DEAD	0.0749	-5.894E-04	0.0013
35	1.65	DEAD	0.0749	0.0016	0.0013
35	0.	VIVA CUB	0.4152	-0.0141	0.009
35	0.4125	VIVA CUB	0.4152	-0.0141	0.009
35	0.825	VIVA CUB	0.4152	-0.0141	0.009
35	1.2375	VIVA CUB	0.4152	-0.0141	0.009
35	1.65	VIVA CUB	0.4152	-0.0141	0.009
35	0.	VCOMP	0.3321	-0.0112	0.0072
35	0.4125	VCOMP	0.3321	-0.0112	0.0072
35	0.825	VCOMP	0.3321	-0.0112	0.0072
35	1.2375	VCOMP	0.3321	-0.0112	0.0072
35	1.65	VCOMP	0.3321	-0.0112	0.0072
35	0.	VSUCC	-0.3321	0.0112	-0.0072
35	0.4125	VSUCC	-0.3321	0.0112	-0.0072
35	0.825	VSUCC	-0.3321	0.0112	-0.0072
35	1.2375	VSUCC	-0.3321	0.0112	-0.0072
35	1.65	VSUCC	-0.3321	0.0112	-0.0072
35	0.	MUERTA CUB	0.6075	-0.0628	0.0123
35	0.4125	MUERTA CUB	0.6075	-0.0422	0.0123
35	0.825	MUERTA CUB	0.6075	-0.0216	0.0123
35	1.2375	MUERTA CUB	0.6075	-9.589E-04	0.0123
35	1.65	MUERTA CUB	0.6075	0.0197	0.0123
36	0.	DEAD	0.0628	-0.0058	-6.096E-05
36	0.5	DEAD	0.0628	-0.0031	-6.096E-05
36	1.	DEAD	0.0628	-6.619E-04	-6.096E-05
36	1.5	DEAD	0.0628	0.0022	-6.096E-05
36	2.	DEAD	0.0628	0.0048	-6.096E-05
36	0.	VIVA CUB	0.3377	-0.0038	-4.714E-04
36	0.5	VIVA CUB	0.3377	-0.0038	-4.714E-04
36	1.	VIVA CUB	0.3377	-0.0038	-4.714E-04
36	1.5	VIVA CUB	0.3377	-0.0038	-4.714E-04
36	2.	VIVA CUB	0.3377	-0.0038	-4.714E-04
36	0.	VCOMP	0.2702	-0.003	-3.771E-04
36	0.5	VCOMP	0.2702	-0.003	-3.771E-04
36	1.	VCOMP	0.2702	-0.003	-3.771E-04
36	1.5	VCOMP	0.2702	-0.003	-3.771E-04
36	2.	VCOMP	0.2702	-0.003	-3.771E-04
36	0.	VSUCC	-0.2702	0.003	3.771E-04
36	0.5	VSUCC	-0.2702	0.003	3.771E-04
36	1.	VSUCC	-0.2702	0.003	3.771E-04
36	1.5	VSUCC	-0.2702	0.003	3.771E-04
36	2.	VSUCC	-0.2702	0.003	3.771E-04
36	0.	MUERTA CUB	0.506	-0.0538	-6.042E-04
36	0.5	MUERTA CUB	0.506	-0.0288	-6.042E-04
36	1.	MUERTA CUB	0.506	-0.0038	-6.042E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
36	1.5	MUERTA CUB	0.506	0.0212	-6.042E-04
36	2.	MUERTA CUB	0.506	0.0462	-6.042E-04
37	0.	DEAD	0.0609	-0.0055	5.453E-06
37	0.5	DEAD	0.0609	5.453E-06	
37	1.	DEAD	0.0609	-2.149E-04	5.453E-06
37	1.5	DEAD	0.0609	0.0024	5.453E-06
37	2.	DEAD	0.0609	0.0051	5.453E-06
37	0.	VIVA CUB	0.3268	-0.0012	1.187E-05
37	0.5	VIVA CUB	0.3268	-0.0012	1.187E-05
37	1.	VIVA CUB	0.3268	-0.0012	1.187E-05
37	1.5	VIVA CUB	0.3268	-0.0012	1.187E-05
37	2.	VIVA CUB	0.3268	-0.0012	1.187E-05
37	0.	VCOMP	0.2614	-9.960E-04	9.493E-06
37	0.5	VCOMP	0.2614	-9.960E-04	9.493E-06
37	1.	VCOMP	0.2614	-9.960E-04	9.493E-06
37	1.5	VCOMP	0.2614	-9.960E-04	9.493E-06
37	2.	VCOMP	0.2614	-9.960E-04	9.493E-06
37	0.	VSUCC	-0.2614	9.960E-04	-9.493E-06
37	0.5	VSUCC	-0.2614	9.960E-04	-9.493E-06
37	1.	VSUCC	-0.2614	9.960E-04	-9.493E-06
37	1.5	VSUCC	-0.2614	9.960E-04	-9.493E-06
37	2.	VSUCC	-0.2614	9.960E-04	-9.493E-06
37	0.	MUERTA CUB	0.4907	-0.0517	5.178E-05
37	0.5	MUERTA CUB	0.4907	-0.0267	5.178E-05
37	1.	MUERTA CUB	0.4907	-0.0017	5.178E-05
37	1.5	MUERTA CUB	0.4907	0.0233	5.178E-05
37	2.	MUERTA CUB	0.4907	0.0483	5.178E-05
38	0.	DEAD	0.0602	-0.0053	-8.146E-06
38	0.5	DEAD	0.0602	-0.0026	-8.146E-06
38	1.	DEAD	0.0602	3.307E-05	-8.146E-06
38	1.5	DEAD	0.0602	0.0027	-8.146E-06
38	2.	DEAD	0.0602	0.0053	-8.146E-06
38	0.	VIVA CUB	0.321	-2.149E-04	-7.311E-05
38	0.5	VIVA CUB	0.321	-2.149E-04	-7.311E-05
38	1.	VIVA CUB	0.321	-2.149E-04	-7.311E-05
38	1.5	VIVA CUB	0.321	-2.149E-04	-7.311E-05
38	2.	VIVA CUB	0.321	-2.149E-04	-7.311E-05
38	0.	VCOMP	0.2568	-1.719E-04	-5.848E-05
38	0.5	VCOMP	0.2568	-1.719E-04	-5.848E-05
38	1.	VCOMP	0.2568	-1.719E-04	-5.848E-05
38	1.5	VCOMP	0.2568	-1.719E-04	-5.848E-05
38	2.	VCOMP	0.2568	-1.719E-04	-5.848E-05
38	0.	VSUCC	-0.2568	1.719E-04	5.848E-05
38	0.5	VSUCC	-0.2568	1.719E-04	5.848E-05
38	1.	VSUCC	-0.2568	1.719E-04	5.848E-05
38	1.5	VSUCC	-0.2568	1.719E-04	5.848E-05
38	2.	VSUCC	-0.2568	1.719E-04	5.848E-05
38	0.	MUERTA CUB	0.485	-0.0498	-7.833E-05
38	0.5	MUERTA CUB	0.485	-0.0248	-7.833E-05
38	1.	MUERTA CUB	0.485	1.841E-04	-7.833E-05
38	1.5	MUERTA CUB	0.485	0.0252	-7.833E-05
38	2.	MUERTA CUB	0.485	0.0502	-7.833E-05
39	0.	DEAD	0.0611	-0.0049	9.535E-05
39	0.5	DEAD	0.0611	-0.0023	9.535E-05

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
39	1.	DEAD	0.0611	3.560E-04	9.535E-05
39	1.5	DEAD	0.0611	0.003	9.535E-05
39	2.	DEAD	0.0611	0.0057	9.535E-05
39	0.	VIVA CUB	0.3228	0.0019	6.244E-04
39	0.5	VIVA CUB	0.3228	0.0019	6.244E-04
39	1.	VIVA CUB	0.3228	0.0019	6.244E-04
39	1.5	VIVA CUB	0.3228	0.0019	6.244E-04
39	2.	VIVA CUB	0.3228	0.0019	6.244E-04
39	0.	VCOMP	0.2583	0.0015	4.995E-04
39	0.5	VCOMP	0.2583	0.0015	4.995E-04
39	1.	VCOMP	0.2583	0.0015	4.995E-04
39	1.5	VCOMP	0.2583	0.0015	4.995E-04
39	2.	VCOMP	0.2583	0.0015	4.995E-04
39	0.	VSUCC	-0.2583	-0.0015	-4.995E-04
39	0.5	VSUCC	-0.2583	-0.0015	-4.995E-04
39	1.	VSUCC	-0.2583	-0.0015	-4.995E-04
39	1.5	VSUCC	-0.2583	-0.0015	-4.995E-04
39	2.	VSUCC	-0.2583	-0.0015	-4.995E-04
39	0.	MUERTA CUB	0.4912	-0.047	9.299E-04
39	0.5	MUERTA CUB	0.4912	-0.022	9.299E-04
39	1.	MUERTA CUB	0.4912	0.003	9.299E-04
39	1.5	MUERTA CUB	0.4912	0.028	9.299E-04
39	2.	MUERTA CUB	0.4912	0.053	9.299E-04
40	0.	DEAD	0.0695	-0.0034	-0.001
40	0.4875	DEAD	0.0695	-8.465E-04	-0.001
40	0.975	DEAD	0.0695	0.0017	-0.001
40	1.4625	DEAD	0.0695	0.0043	-0.001
40	1.95	DEAD	0.0695	0.0069	-0.001
40	0.	VIVA CUB	0.369	0.0081	-0.0069
40	0.4875	VIVA CUB	0.369	0.0081	-0.0069
40	0.975	VIVA CUB	0.369	0.0081	-0.0069
40	1.4625	VIVA CUB	0.369	0.0081	-0.0069
40	1.95	VIVA CUB	0.369	0.0081	-0.0069
40	0.	VCOMP	0.2952	0.0065	-0.0055
40	0.4875	VCOMP	0.2952	0.0065	-0.0055
40	0.975	VCOMP	0.2952	0.0065	-0.0055
40	1.4625	VCOMP	0.2952	0.0065	-0.0055
40	1.95	VCOMP	0.2952	0.0065	-0.0055
40	0.	VSUCC	-0.2952	-0.0065	0.0055
40	0.4875	VSUCC	-0.2952	-0.0065	0.0055
40	0.975	VSUCC	-0.2952	-0.0065	0.0055
40	1.4625	VSUCC	-0.2952	-0.0065	0.0055
40	1.95	VSUCC	-0.2952	-0.0065	0.0055
40	0.	MUERTA CUB	0.5607	-0.0355	-0.01
40	0.4875	MUERTA CUB	0.5607	-0.0111	-0.01
40	0.975	MUERTA CUB	0.5607	0.0132	-0.01
40	1.4625	MUERTA CUB	0.5607	0.0376	-0.01
40	1.95	MUERTA CUB	0.5607	0.062	-0.01
41	0.	DEAD	0.0369	-0.0142	0.0023
41	0.4925	DEAD	0.0369	-0.0016	0.0023
41	0.985	DEAD	0.0369	-0.009	0.0023
41	1.4775	DEAD	0.0369	-0.0063	0.0023
41	1.97	DEAD	0.0369	-0.0037	0.0023
41	0.	VIVA CUB	0.1828	-0.0442	0.0147

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
41	0.4925	VIVA CUB	0.1828	-0.0442	0.0147
41	0.985	VIVA CUB	0.1828	-0.0442	0.0147
41	1.4775	VIVA CUB	0.1828	-0.0442	0.0147
41	1.97	VIVA CUB	0.1828	-0.0442	0.0147
41	0.	VCOMP	0.1462	-0.0353	0.0118
41	0.4925	VCOMP	0.1462	-0.0353	0.0118
41	0.985	VCOMP	0.1462	-0.0353	0.0118
41	1.4775	VCOMP	0.1462	-0.0353	0.0118
41	1.97	VCOMP	0.1462	-0.0353	0.0118
41	0.	VSUCC	-0.1462	0.0353	-0.0118
41	0.4925	VSUCC	-0.1462	0.0353	-0.0118
41	0.985	VSUCC	-0.1462	0.0353	-0.0118
41	1.4775	VSUCC	-0.1462	0.0353	-0.0118
41	1.97	VSUCC	-0.1462	0.0353	-0.0118
41	0.	MUERTA CUB	0.2948	-0.1181	0.0221
41	0.4925	MUERTA CUB	0.2948	-0.0935	0.0221
41	0.985	MUERTA CUB	0.2948	-0.0689	0.0221
41	1.4775	MUERTA CUB	0.2948	-0.0443	0.0221
41	1.97	MUERTA CUB	0.2948	-0.0196	0.0221
43	0.	DEAD	-0.0104	-0.0013	-0.0121
43	0.2873	DEAD	-0.0089	-0.0013	-0.0121
43	0.5746	DEAD	-0.0074	-0.0013	-0.0121
43	0.	VIVA CUB	0.0102	-0.0095	-0.0775
43	0.2873	VIVA CUB	0.0102	-0.0095	-0.0775
43	0.5746	VIVA CUB	0.0102	-0.0095	-0.0775
43	0.	VCOMP	0.0082	-0.0076	-0.062
43	0.2873	VCOMP	0.0082	-0.0076	-0.062
43	0.5746	VCOMP	0.0082	-0.0076	-0.062
43	0.	VSUCC	-0.0082	0.0076	0.062
43	0.2873	VSUCC	-0.0082	0.0076	0.062
43	0.5746	VSUCC	-0.0082	0.0076	0.062
43	0.	MUERTA CUB	-0.0735	-0.0129	-0.1015
43	0.2873	MUERTA CUB	-0.0735	-0.0129	-0.1015
43	0.5746	MUERTA CUB	-0.0735	-0.0129	-0.1015
44	0.	DEAD	-0.0134	6.642E-05	-0.0019
44	0.2873	DEAD	-0.0119	6.642E-05	-0.0019
44	0.5746	DEAD	-0.0103	6.642E-05	-0.0019
44	0.	VIVA CUB	0.0026	4.833E-04	-0.0109
44	0.2873	VIVA CUB	0.0026	4.833E-04	-0.0109
44	0.5746	VIVA CUB	0.0026	4.833E-04	-0.0109
44	0.	VCOMP	0.0021	3.866E-04	-0.0087
44	0.2873	VCOMP	0.0021	3.866E-04	-0.0087
44	0.5746	VCOMP	0.0021	3.866E-04	-0.0087
44	0.	VSUCC	-0.0021	-3.866E-04	0.0087
44	0.2873	VSUCC	-0.0021	-3.866E-04	0.0087
44	0.5746	VSUCC	-0.0021	-3.866E-04	0.0087
44	0.	MUERTA CUB	-0.0979	6.559E-04	-0.0153
44	0.2873	MUERTA CUB	-0.0979	6.559E-04	-0.0153
44	0.5746	MUERTA CUB	-0.0979	6.559E-04	-0.0153
45	0.	DEAD	-0.0134	-1.360E-05	-6.584E-04
45	0.2873	DEAD	-0.0119	-1.360E-05	-6.584E-04
45	0.5746	DEAD	-0.0103	-1.360E-05	-6.584E-04
45	0.	VIVA CUB	0.001	-8.497E-05	-0.0058
45	0.2873	VIVA CUB	0.001	-8.497E-05	-0.0058

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
45	0.5746	VIVA CUB	0.001	-8.497E-05	-0.0058
45	0.	VCOMP	8.241E-04	-6.798E-05	-0.0046
45	0.2873	VCOMP	8.241E-04	-6.798E-05	-0.0046
45	0.5746	VCOMP	8.241E-04	-6.798E-05	-0.0046
45	0.	VSUCC	-8.241E-04	6.798E-05	0.0046
45	0.2873	VSUCC	-8.241E-04	6.798E-05	0.0046
45	0.5746	VSUCC	-8.241E-04	6.798E-05	0.0046
45	0.	MUERTA CUB	-0.0981	-1.301E-04	-0.0056
45	0.2873	MUERTA CUB	-0.0981	-1.301E-04	-0.0056
45	0.5746	MUERTA CUB	-0.0981	-1.301E-04	-0.0056
46	0.	DEAD	-0.0133	1.035E-04	8.610E-04
46	0.2873	DEAD	-0.0118	1.035E-04	8.610E-04
46	0.5746	DEAD	-0.0103	1.035E-04	8.610E-04
46	0.	VIVA CUB	0.0021	6.975E-04	0.0018
46	0.2873	VIVA CUB	0.0021	6.975E-04	0.0018
46	0.5746	VIVA CUB	0.0021	6.975E-04	0.0018
46	0.	VCOMP	0.0017	5.580E-04	0.0015
46	0.2873	VCOMP	0.0017	5.580E-04	0.0015
46	0.5746	VCOMP	0.0017	5.580E-04	0.0015
46	0.	VSUCC	-0.0017	-5.580E-04	-0.0015
46	0.2873	VSUCC	-0.0017	-5.580E-04	-0.0015
46	0.5746	VSUCC	-0.0017	-5.580E-04	-0.0015
46	0.	MUERTA CUB	-0.0972	0.001	0.0062
46	0.2873	MUERTA CUB	-0.0972	0.001	0.0062
46	0.5746	MUERTA CUB	-0.0972	0.001	0.0062
47	0.	DEAD	-0.0121	-0.0011	0.0084
47	0.2873	DEAD	-0.0106	-0.0011	0.0084
47	0.5746	DEAD	-0.0091	-0.0011	0.0084
47	0.	VIVA CUB	0.0062	-0.0075	0.0461
47	0.2873	VIVA CUB	0.0062	-0.0075	0.0461
47	0.5746	VIVA CUB	0.0062	-0.0075	0.0461
47	0.	VCOMP	0.005	-0.006	0.0369
47	0.2873	VCOMP	0.005	-0.006	0.0369
47	0.5746	VCOMP	0.005	-0.006	0.0369
47	0.	VSUCC	-0.005	0.006	-0.0369
47	0.2873	VSUCC	-0.005	0.006	-0.0369
47	0.5746	VSUCC	-0.005	0.006	-0.0369
47	0.	MUERTA CUB	-0.0885	-0.0109	0.0695
47	0.2873	MUERTA CUB	-0.0885	-0.0109	0.0695
47	0.5746	MUERTA CUB	-0.0885	-0.0109	0.0695
48	0.	DEAD	-0.0241	0.0034	-0.0326
48	0.2873	DEAD	-0.0226	0.0034	-0.0326
48	0.5746	DEAD	-0.0211	0.0034	-0.0326
48	0.	VIVA CUB	-0.0523	0.0217	-0.1862
48	0.2873	VIVA CUB	-0.0523	0.0217	-0.1862
48	0.5746	VIVA CUB	-0.0523	0.0217	-0.1862
48	0.	VCOMP	-0.0418	0.0173	-0.1489
48	0.2873	VCOMP	-0.0418	0.0173	-0.1489
48	0.5746	VCOMP	-0.0418	0.0173	-0.1489
48	0.	VSUCC	0.0418	-0.0173	0.1489
48	0.2873	VSUCC	0.0418	-0.0173	0.1489
48	0.5746	VSUCC	0.0418	-0.0173	0.1489
48	0.	MUERTA CUB	-0.1801	0.032	-0.2659
48	0.2873	MUERTA CUB	-0.1801	0.032	-0.2659

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
48	0.5746	MUERTA CUB	-0.1801	0.032	-0.2659
49	0.	DEAD	0.0055	-0.0034	0.
49	0.68478	DEAD	0.0044	-3.591E-20	0.
49	1.36955	DEAD	0.0032	0.0034	0.
49	0.	VIVA CUB	0.0284	0.	0.
49	0.68478	VIVA CUB	0.0284	0.	0.
49	1.36955	VIVA CUB	0.0284	0.	0.
49	0.	VCOMP	0.0227	0.	0.
49	0.68478	VCOMP	0.0227	0.	0.
49	1.36955	VCOMP	0.0227	0.	0.
49	0.	VSUCC	-0.0227	0.	0.
49	0.68478	VSUCC	-0.0227	0.	0.
49	1.36955	VSUCC	-0.0227	0.	0.
49	0.	MUERTA CUB	0.0528	-0.0325	0.
49	0.68478	MUERTA CUB	0.042	-4.008E-18	0.
49	1.36955	MUERTA CUB	0.0312	0.0325	0.
50	0.	DEAD	0.0055	-0.0034	0.
50	0.68478	DEAD	0.0044	-3.591E-20	0.
50	1.36955	DEAD	0.0032	0.0034	0.
50	0.	VIVA CUB	0.0301	0.	0.
50	0.68478	VIVA CUB	0.0301	0.	0.
50	1.36955	VIVA CUB	0.0301	0.	0.
50	0.	VCOMP	0.024	0.	0.
50	0.68478	VCOMP	0.024	0.	0.
50	1.36955	VCOMP	0.024	0.	0.
50	0.	VSUCC	-0.024	0.	0.
50	0.68478	VSUCC	-0.024	0.	0.
50	1.36955	VSUCC	-0.024	0.	0.
50	0.	MUERTA CUB	0.0528	-0.0325	0.
50	0.68478	MUERTA CUB	0.0421	-4.008E-18	0.
50	1.36955	MUERTA CUB	0.0313	0.0325	0.
57	0.	DEAD	-0.2731	-0.0065	-0.0036
57	0.84391	DEAD	-0.2673	5.571E-04	-0.0036
57	1.68782	DEAD	-0.2615	0.0076	-0.0036
57	0.	VIVA CUB	-0.7489	-0.0014	-0.0271
57	0.84391	VIVA CUB	-0.7489	-0.0014	-0.0271
57	1.68782	VIVA CUB	-0.7489	-0.0014	-0.0271
57	0.	VCOMP	-0.5992	-0.0011	-0.0217
57	0.84391	VCOMP	-0.5992	-0.0011	-0.0217
57	1.68782	VCOMP	-0.5992	-0.0011	-0.0217
57	0.	VSUCC	0.5992	0.0011	0.0217
57	0.84391	VSUCC	0.5992	0.0011	0.0217
57	1.68782	VSUCC	0.5992	0.0011	0.0217
57	0.	MUERTA CUB	-0.6616	-0.0017	-0.0339
57	0.84391	MUERTA CUB	-0.6616	-0.0017	-0.0339
57	1.68782	MUERTA CUB	-0.6616	-0.0017	-0.0339
58	0.	DEAD	0.0729	-0.0068	0.0029
58	0.76027	DEAD	0.0687	2.225E-04	0.0029
58	1.52054	DEAD	0.0644	0.0072	0.0029
58	0.	VIVA CUB	0.203	0.0015	0.0216
58	0.76027	VIVA CUB	0.203	0.0015	0.0216
58	1.52054	VIVA CUB	0.203	0.0015	0.0216
58	0.	VCOMP	0.1624	0.0012	0.0173
58	0.76027	VCOMP	0.1624	0.0012	0.0173

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
58	1.52054	VCOMP	0.1624	0.0012	0.0173
58	0.	VSUCC	-0.1624	-0.0012	-0.0173
58	0.76027	VSUCC	-0.1624	-0.0012	-0.0173
58	1.52054	VSUCC	-0.1624	-0.0012	-0.0173
58	0.	MUERTA CUB	0.1838	9.503E-04	0.0268
58	0.76027	MUERTA CUB	0.1838	9.503E-04	0.0268
58	1.52054	MUERTA CUB	0.1838	9.503E-04	0.0268
59	0.	DEAD	-0.1189	-0.0077	0.0059
59	0.76021	DEAD	-0.1232	-7.240E-04	0.0059
59	1.52043	DEAD	-0.1274	0.0063	0.0059
59	0.	VIVA CUB	-0.362	-0.0018	0.0426
59	0.76021	VIVA CUB	-0.362	-0.0018	0.0426
59	1.52043	VIVA CUB	-0.362	-0.0018	0.0426
59	0.	VCOMP	-0.2896	-0.0014	0.0341
59	0.76021	VCOMP	-0.2896	-0.0014	0.0341
59	1.52043	VCOMP	-0.2896	-0.0014	0.0341
59	0.	VSUCC	0.2896	0.0014	-0.0341
59	0.76021	VSUCC	0.2896	0.0014	-0.0341
59	1.52043	VSUCC	0.2896	0.0014	-0.0341
59	0.	MUERTA CUB	-0.3214	-0.0015	0.0547
59	0.76021	MUERTA CUB	-0.3214	-0.0015	0.0547
59	1.52043	MUERTA CUB	-0.3214	-0.0015	0.0547
60	0.	DEAD	-0.3018	-0.0076	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
62	1.52054	DEAD	0.0416	0.0071	-7.630E-04
62	0.	VIVA CUB	0.0372	7.001E-04	-0.006
62	0.76027	VIVA CUB	0.0372	7.001E-04	-0.006
62	1.52054	VIVA CUB	0.0372	7.001E-04	-0.006
62	0.	VCOMP	0.0298	5.600E-04	-0.0048
62	0.76027	VCOMP	0.0298	5.600E-04	-0.0048
62	1.52054	VCOMP	0.0298	5.600E-04	-0.0048
62	0.	VSUCC	-0.0298	-5.600E-04	0.0048
62	0.76027	VSUCC	-0.0298	-5.600E-04	0.0048
62	1.52054	VSUCC	-0.0298	-5.600E-04	0.0048
62	0.	MUERTA CUB	-0.0259	6.165E-05	-0.0068
62	0.76027	MUERTA CUB	-0.0259	6.165E-05	-0.0068
62	1.52054	MUERTA CUB	-0.0259	6.165E-05	-0.0068
63	0.	DEAD	-0.0799	-0.0076	-0.0015
63	0.76021	DEAD	-0.0841	-5.448E-04	-0.0015
63	1.52043	DEAD	-0.0884	0.0065	-0.0015
63	0.	VIVA CUB	-0.0786	-4.757E-04	-0.0116
63	0.76021	VIVA CUB	-0.0786	-4.757E-04	-0.0116
63	1.52043	VIVA CUB	-0.0786	-4.757E-04	-0.0116
63	0.	VCOMP	-0.0629	-3.806E-04	-0.0093
63	0.76021	VCOMP	-0.0629	-3.806E-04	-0.0093
63	1.52043	VCOMP	-0.0629	-3.806E-04	-0.0093
63	0.	VSUCC	0.0629	3.806E-04	0.0093
63	0.76021	VSUCC	0.0629	3.806E-04	0.0093
63	1.52043	VSUCC	0.0629	3.806E-04	0.0093
63	0.	MUERTA CUB	0.0346	1.089E-04	-0.0136
63	0.76021	MUERTA CUB	0.0346	1.089E-04	-0.0136
63	1.52043	MUERTA CUB	0.0346	1.089E-04	-0.0136
64	0.	DEAD	-0.207	-0.0076	-0.0017
64	0.76015	DEAD	-0.2113	-6.171E-04	-0.0017
64	1.52031	DEAD	-0.2155	0.0064	-0.0017
64	0.	VIVA CUB	-0.1876	-4.184E-05	-0.0132
64	0.76015	VIVA CUB	-0.1876	-4.184E-05	-0.0132
64	1.52031	VIVA CUB	-0.1876	-4.184E-05	-0.0132
64	0.	VCOMP	-0.1501	-3.347E-05	-0.0105
64	0.76015	VCOMP	-0.1501	-3.347E-05	-0.0105
64	1.52031	VCOMP	-0.1501	-3.347E-05	-0.0105
64	0.	VSUCC	0.1501	3.347E-05	0.0105
64	0.76015	VSUCC	0.1501	3.347E-05	0.0105
64	1.52031	VSUCC	0.1501	3.347E-05	0.0105
64	0.	MUERTA CUB	0.0851	-5.632E-06	-0.0157
64	0.76015	MUERTA CUB	0.0851	-5.632E-06	-0.0157
64	1.52031	MUERTA CUB	0.0851	-5.632E-06	-0.0157
65	0.	DEAD	-0.2284	-0.0063	-8.728E-05
65	0.84391	DEAD	-0.2226	7.248E-04	-8.728E-05
65	1.68782	DEAD	-0.2167	0.0077	-8.728E-05
65	0.	VIVA CUB	-0.4428	-2.042E-04	-7.847E-04
65	0.84391	VIVA CUB	-0.4428	-2.042E-04	-7.847E-04
65	1.68782	VIVA CUB	-0.4428	-2.042E-04	-7.847E-04
65	0.	VCOMP	-0.3542	-1.633E-04	-6.278E-04
65	0.84391	VCOMP	-0.3542	-1.633E-04	-6.278E-04
65	1.68782	VCOMP	-0.3542	-1.633E-04	-6.278E-04
65	0.	VSUCC	0.3542	1.633E-04	6.278E-04
65	0.84391	VSUCC	0.3542	1.633E-04	6.278E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
65	1.68782	VSUCC	0.3542	1.633E-04	6.278E-04
65	0.	MUERTA CUB	-0.2517	-1.220E-04	-8.518E-04
65	0.84391	MUERTA CUB	-0.2517	-1.220E-04	-8.518E-04
65	1.68782	MUERTA CUB	-0.2517	-1.220E-04	-8.518E-04
66	0.	DEAD	0.0603	-0.0068	8.986E-05
66	0.76027	DEAD	0.056	1.917E-04	8.986E-05
66	1.52054	DEAD	0.0518	0.0072	8.986E-05
66	0.	VIVA CUB	0.1154	0.0013	7.181E-04
66	0.76027	VIVA CUB	0.1154	0.0013	7.181E-04
66	1.52054	VIVA CUB	0.1154	0.0013	7.181E-04
66	0.	VCOMP	0.0923	0.001	5.744E-04
66	0.76027	VCOMP	0.0923	0.001	5.744E-04
66	1.52054	VCOMP	0.0923	0.001	5.744E-04
66	0.	VSUCC	-0.0923	-0.001	-5.744E-04
66	0.76027	VSUCC	-0.0923	-0.001	-5.744E-04
66	1.52054	VSUCC	-0.0923	-0.001	-5.744E-04
66	0.	MUERTA CUB	0.0674	7.129E-04	8.378E-04
66	0.76027	MUERTA CUB	0.0674	7.129E-04	8.378E-04
66	1.52054	MUERTA CUB	0.0674	7.129E-04	8.378E-04
67	0.	DEAD	-0.0972	-0.0076	2.357E-04
67	0.76021	DEAD	-0.1015	-6.275E-04	2.357E-04
67	1.52043	DEAD	-0.1057	0.0064	2.357E-04
67	0.	VIVA CUB	-0.2139	-0.0011	0.0017
67	0.76021	VIVA CUB	-0.2139	-0.0011	0.0017
67	1.52043	VIVA CUB	-0.2139	-0.0011	0.0017
67	0.	VCOMP	-0.1711	-9.026E-04	0.0014
67	0.76021	VCOMP	-0.1711	-9.026E-04	0.0014
67	1.52043	VCOMP	-0.1711	-9.026E-04	0.0014
67	0.	VSUCC	0.1711	9.026E-04	-0.0014
67	0.76021	VSUCC	0.1711	9.026E-04	-0.0014
67	1.52043	VSUCC	0.1711	9.026E-04	-0.0014
67	0.	MUERTA CUB	-0.123	-6.404E-04	0.0022
67	0.76021	MUERTA CUB	-0.123	-6.404E-04	0.0022
67	1.52043	MUERTA CUB	-0.123	-6.404E-04	0.0022
68	0.	DEAD	-0.2487	-0.0076	2.796E-04
68	0.76015	DEAD	-0.2529	-6.192E-04	2.796E-04
68	1.52031	DEAD	-0.2572	0.0064	2.796E-04
68	0.	VIVA CUB	-0.5125	-4.882E-05	0.002
68	0.76015	VIVA CUB	-0.5125	-4.882E-05	0.002
68	1.52031	VIVA CUB	-0.5125	-4.882E-05	0.002
68	0.	VCOMP	-0.41	-3.906E-05	0.0016
68	0.76015	VCOMP	-0.41	-3.906E-05	0.0016
68	1.52031	VCOMP	-0.41	-3.906E-05	0.0016
68	0.	VSUCC	0.41	3.906E-05	-0.0016
68	0.76015	VSUCC	0.41	3.906E-05	-0.0016
68	1.52031	VSUCC	0.41	3.906E-05	-0.0016
68	0.	MUERTA CUB	-0.2949	-2.251E-05	0.0026
68	0.76015	MUERTA CUB	-0.2949	-2.251E-05	0.0026
68	1.52031	MUERTA CUB	-0.2949	-2.251E-05	0.0026
69	0.	DEAD	-0.2224	-0.0063	1.989E-05
69	0.84391	DEAD	-0.2166	7.287E-04	1.989E-05
69	1.68782	DEAD	-0.2108	0.0077	1.989E-05
69	0.	VIVA CUB	-0.3965	-1.734E-04	2.369E-04
69	0.84391	VIVA CUB	-0.3965	-1.734E-04	2.369E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
69	1.68782	VIVA CUB	-0.3965	-1.734E-04	2.369E-04
69	0.	VCOMP	-0.3172	-1.387E-04	1.895E-04
69	0.84391	VCOMP	-0.3172	-1.387E-04	1.895E-04
69	1.68782	VCOMP	-0.3172	-1.387E-04	1.895E-04
69	0.	VSUCC	0.3172	1.387E-04	-1.895E-04
69	0.84391	VSUCC	0.3172	1.387E-04	-1.895E-04
69	1.68782	VSUCC	0.3172	1.387E-04	-1.895E-04
69	0.	MUERTA CUB	-0.198	-8.589E-05	1.700E-04
69	0.84391	MUERTA CUB	-0.198	-8.589E-05	1.700E-04
69	1.68782	MUERTA CUB	-0.198	-8.589E-05	1.700E-04
70	0.	DEAD	0.0584	-0.0068	-1.163E-05
70	0.76027	DEAD	0.0541	1.787E-04	-1.163E-05
70	1.52054	DEAD	0.0498	0.0072	-1.163E-05
70	0.	VIVA CUB	0.1007	0.0012	-2.068E-04
70	0.76027	VIVA CUB	0.1007	0.0012	-2.068E-04
70	1.52054	VIVA CUB	0.1007	0.0012	-2.068E-04
70	0.	VCOMP	0.0805	9.448E-04	-1.654E-04
70	0.76027	VCOMP	0.0805	9.448E-04	-1.654E-04
70	1.52054	VCOMP	0.0805	9.448E-04	-1.654E-04
70	0.	VSUCC	-0.0805	-9.448E-04	1.654E-04
70	0.76027	VSUCC	-0.0805	-9.448E-04	1.654E-04
70	1.52054	VSUCC	-0.0805	-9.448E-04	1.654E-04
70	0.	MUERTA CUB	0.0496	5.952E-04	-9.836E-05
70	0.76027	MUERTA CUB	0.0496	5.952E-04	-9.836E-05
70	1.52054	MUERTA CUB	0.0496	5.952E-04	-9.836E-05
71	0.	DEAD	-0.094	-0.0076	-1.361E-05
71	0.76021	DEAD	-0.0982	-6.126E-04	-1.361E-05
71	1.52043	DEAD	-0.1025	0.0064	-1.361E-05
71	0.	VIVA CUB	-0.1888	-0.001	-3.205E-04
71	0.76021	VIVA CUB	-0.1888	-0.001	-3.205E-04
71	1.52043	VIVA CUB	-0.1888	-0.001	-3.205E-04
71	0.	VCOMP	-0.151	-8.091E-04	-2.564E-04
71	0.76021	VCOMP	-0.151	-8.091E-04	-2.564E-04
71	1.52043	VCOMP	-0.151	-8.091E-04	-2.564E-04
71	0.	VSUCC	0.151	8.091E-04	2.564E-04
71	0.76021	VSUCC	0.151	8.091E-04	2.564E-04
71	1.52043	VSUCC	0.151	8.091E-04	2.564E-04
71	0.	MUERTA CUB	-0.0937	-5.060E-04	-1.156E-04
71	0.76021	MUERTA CUB	-0.0937	-5.060E-04	-1.156E-04
71	1.52043	MUERTA CUB	-0.0937	-5.060E-04	-1.156E-04
72	0.	DEAD	-0.241	-0.0076	-1.614E-05
72	0.76015	DEAD	-0.2453	-6.198E-04	-1.614E-05
72	1.52031	DEAD	-0.2495	0.0064	-1.614E-05
72	0.	VIVA CUB	-0.453	-5.409E-05	-3.701E-04
72	0.76015	VIVA CUB	-0.453	-5.409E-05	-3.701E-04
72	1.52031	VIVA CUB	-0.453	-5.409E-05	-3.701E-04
72	0.	VCOMP	-0.3624	-4.328E-05	-2.961E-04
72	0.76015	VCOMP	-0.3624	-4.328E-05	-2.961E-04
72	1.52031	VCOMP	-0.3624	-4.328E-05	-2.961E-04
72	0.	VSUCC	0.3624	4.328E-05	2.961E-04
72	0.76015	VSUCC	0.3624	4.328E-05	2.961E-04
72	1.52031	VSUCC	0.3624	4.328E-05	2.961E-04
72	0.	MUERTA CUB	-0.2251	-2.785E-05	-1.380E-04
72	0.76015	MUERTA CUB	-0.2251	-2.785E-05	-1.380E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
72	1.52031	MUERTA CUB	-0.2251	-2.785E-05	-1.380E-04
73	0.	DEAD	-0.2278	-0.0063	9.771E-05
73	0.84391	DEAD	-0.222	7.242E-04	9.771E-05
73	1.68782	DEAD	-0.2162	0.0077	9.771E-05
73	0.	VIVA CUB	-0.4342	-2.045E-04	7.896E-04
73	0.84391	VIVA CUB	-0.4342	-2.045E-04	7.896E-04
73	1.68782	VIVA CUB	-0.4342	-2.045E-04	7.896E-04
73	0.	VCOMP	-0.3474	-1.636E-04	6.317E-04
73	0.84391	VCOMP	-0.3474	-1.636E-04	6.317E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
76	1.52031	VCOMP	-0.4013	-4.281E-05	-0.0016
76	0.	VSUCC	0.4013	4.281E-05	0.0016
76	0.76015	VSUCC	0.4013	4.281E-05	0.0016
76	1.52031	VSUCC	0.4013	4.281E-05	0.0016
76	0.	MUERTA CUB	-0.2889	-2.805E-05	-0.0024
76	0.76015	MUERTA CUB	-0.2889	-2.805E-05	-0.0024
76	1.52031	MUERTA CUB	-0.2889	-2.805E-05	-0.0024
77	0.	DEAD	-0.2037	-0.0063	-8.378E-04
77	0.84391	DEAD	-0.1979	7.510E-04	-8.378E-04
77	1.68782	DEAD	-0.1921	0.0078	-8.378E-04
77	0.	VIVA CUB	-0.2712	-2.314E-05	-0.0054
77	0.84391	VIVA CUB	-0.2712	-2.314E-05	-0.0054
77	1.68782	VIVA CUB	-0.2712	-2.314E-05	-0.0054
77	0.	VCOMP	-0.2169	-1.851E-05	-0.0043
77	0.84391	VCOMP	-0.2169	-1.851E-05	-0.0043
77	1.68782	VCOMP	-0.2169	-1.851E-05	-0.0043
77	0.	VSUCC	0.2169	1.851E-05	0.0043
77	0.84391	VSUCC	0.2169	1.851E-05	0.0043
77	1.68782	VSUCC	0.2169	1.851E-05	0.0043
77	0.	MUERTA CUB	-0.0272	1.228E-04	-0.0075
77	0.84391	MUERTA CUB	-0.0272	1.228E-04	-0.0075
77	1.68782	MUERTA CUB	-0.0272	1.228E-04	-0.0075
78	0.	DEAD	0.0525	-0.0069	6.365E-04
78	0.76027	DEAD	0.0482	1.389E-04	6.365E-04
78	1.52054	DEAD	0.044	0.0071	6.365E-04
78	0.	VIVA CUB	0.0613	9.152E-04	0.0041
78	0.76027	VIVA CUB	0.0613	9.152E-04	0.0041
78	1.52054	VIVA CUB	0.0613	9.152E-04	0.0041
78	0.	VCOMP	0.0491	7.321E-04	0.0033
78	0.76027	VCOMP	0.0491	7.321E-04	0.0033
78	1.52054	VCOMP	0.0491	7.321E-04	0.0033
78	0.	VSUCC	-0.0491	-7.321E-04	-0.0033
78	0.76027	VSUCC	-0.0491	-7.321E-04	-0.0033
78	1.52054	VSUCC	-0.0491	-7.321E-04	-0.0033
78	0.	MUERTA CUB	-0.0047	2.377E-04	0.0057
78	0.76027	MUERTA CUB	-0.0047	2.377E-04	0.0057
78	1.52054	MUERTA CUB	-0.0047	2.377E-04	0.0057
79	0.	DEAD	-0.084	-0.0076	0.0013
79	0.76021	DEAD	-0.0883	-5.657E-04	0.0013
79	1.52043	DEAD	-0.0925	0.0064	0.0013
79	0.	VIVA CUB	-0.1221	-6.960E-04	0.0086
79	0.76021	VIVA CUB	-0.1221	-6.960E-04	0.0086
79	1.52043	VIVA CUB	-0.1221	-6.960E-04	0.0086
79	0.	VCOMP	-0.0977	-5.568E-04	0.0068
79	0.76021	VCOMP	-0.0977	-5.568E-04	0.0068
79	1.52043	VCOMP	-0.0977	-5.568E-04	0.0068
79	0.	VSUCC	0.0977	5.568E-04	-0.0068
79	0.76021	VSUCC	0.0977	5.568E-04	-0.0068
79	1.52043	VSUCC	0.0977	5.568E-04	-0.0068
79	0.	MUERTA CUB	-0.0027	-7.886E-05	0.012
79	0.76021	MUERTA CUB	-0.0027	-7.886E-05	0.012
79	1.52043	MUERTA CUB	-0.0027	-7.886E-05	0.012
80	0.	DEAD	-0.2171	-0.0076	0.0015
80	0.76015	DEAD	-0.2213	-6.168E-04	0.0015

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
80	1.52031	DEAD	-0.2256	0.0064	0.0015
80	0.	VIVA CUB	-0.2926	-4.065E-05	0.0097
80	0.76015	VIVA CUB	-0.2926	-4.065E-05	0.0097
80	1.52031	VIVA CUB	-0.2926	-4.065E-05	0.0097
80	0.	VCOMP	-0.2341	-3.252E-05	0.0077
80	0.76015	VCOMP	-0.2341	-3.252E-05	0.0077
80	1.52031	VCOMP	-0.2341	-3.252E-05	0.0077
80	0.	VSUCC	0.2341	3.252E-05	-0.0077
80	0.76015	VSUCC	0.2341	3.252E-05	-0.0077
80	1.52031	VSUCC	0.2341	3.252E-05	-0.0077
80	0.	MUERTA CUB	-0.0059	-2.547E-06	0.0137
80	0.76015	MUERTA CUB	-0.0059	-2.547E-06	0.0137
80	1.52031	MUERTA CUB	-0.0059	-2.547E-06	0.0137
81	0.	DEAD	-0.2678	-0.0064	0.0036
81	0.84391	DEAD	-0.262	5.637E-04	0.0036
81	1.68782	DEAD	-0.2562	0.0076	0.0036
81	0.	VIVA CUB	-0.7092	-0.0013	0.0246
81	0.84391	VIVA CUB	-0.7092	-0.0013	0.0246
81	1.68782	VIVA CUB	-0.7092	-0.0013	0.0246
81	0.	VCOMP	-0.5674	-0.001	0.0197
81	0.84391	VCOMP	-0.5674	-0.001	0.0197
81	1.68782	VCOMP	-0.5674	-0.001	0.0197
81	0.	VSUCC	0.5674	0.001	-0.0197
81	0.84391	VSUCC	0.5674	0.001	-0.0197
81	1.68782	VSUCC	0.5674	0.001	-0.0197
81	0.	MUERTA CUB	-0.6132	-0.0017	0.0333
81	0.84391	MUERTA CUB	-0.6132	-0.0017	0.0333
81	1.68782	MUERTA CUB	-0.6132	-0.0017	0.0333
82	0.	DEAD	0.0713	-0.0068	-0.0028
82	0.76027	DEAD	0.067	2.112E-04	-0.0028
82	1.52054	DEAD	0.0628	0.0072	-0.0028
82	0.	VIVA CUB	0.1904	0.0014	-0.0194
82	0.76027	VIVA CUB	0.1904	0.0014	-0.0194
82	1.52054	VIVA CUB	0.1904	0.0014	-0.0194
82	0.	VCOMP	0.1523	0.0012	-0.0155
82	0.76027	VCOMP	0.1523	0.0012	-0.0155
82	1.52054	VCOMP	0.1523	0.0012	-0.0155
82	0.	VSUCC	-0.1523	-0.0012	0.0155
82	0.76027	VSUCC	-0.1523	-0.0012	0.0155
82	1.52054	VSUCC	-0.1523	-0.0012	0.0155
82	0.	MUERTA CUB	0.1689	8.481E-04	-0.0261
82	0.76027	MUERTA CUB	0.1689	8.481E-04	-0.0261
82	1.52054	MUERTA CUB	0.1689	8.481E-04	-0.0261
83	0.	DEAD	-0.1161	-0.0077	-0.0059
83	0.76021	DEAD	-0.1203	-7.102E-04	-0.0059
83	1.52043	DEAD	-0.1246	0.0063	-0.0059
83	0.	VIVA CUB	-0.3411	-0.0017	-0.0392
83	0.76021	VIVA CUB	-0.3411	-0.0017	-0.0392
83	1.52043	VIVA CUB	-0.3411	-0.0017	-0.0392
83	0.	VCOMP	-0.2729	-0.0014	-0.0314
83	0.76021	VCOMP	-0.2729	-0.0014	-0.0314
83	1.52043	VCOMP	-0.2729	-0.0014	-0.0314
83	0.	VSUCC	0.2729	0.0014	0.0314
83	0.76021	VSUCC	0.2729	0.0014	0.0314

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
83	1.52043	VSUCC	0.2729	0.0014	0.0314
83	0.	MUERTA CUB	-0.2957	-0.0014	-0.0542
83	0.76021	MUERTA CUB	-0.2957	-0.0014	-0.0542
83	1.52043	MUERTA CUB	-0.2957	-0.0014	-0.0542
84	0.	DEAD	-0.2949	-0.0076	-0.0068
84	0.76015	DEAD	-0.2992	-6.286E-04	-0.0068
84	1.52031	DEAD	-0.3034	0.0064	-0.0068
84	0.	VIVA CUB	-0.8257	-8.781E-05	-0.044
84	0.76015	VIVA CUB	-0.8257	-8.781E-05	-0.044
84	1.52031	VIVA CUB	-0.8257	-8.781E-05	-0.044
84	0.	VCOMP	-0.6605	-7.025E-05	-0.0352
84	0.76015	VCOMP	-0.6605	-7.025E-05	-0.0352
84	1.52031	VCOMP	-0.6605	-7.025E-05	-0.0352
84	0.	VSUCC	0.6605	7.025E-05	0.0352
84	0.76015	VSUCC	0.6605	7.025E-05	0.0352
84	1.52031	VSUCC	0.6605	7.025E-05	0.0352
84	0.	MUERTA CUB	-0.7192	-1.071E-04	-0.0624
84	0.76015	MUERTA CUB	-0.7192	-1.071E-04	-0.0624
84	1.52031	MUERTA CUB	-0.7192	-1.071E-04	-0.0624
85	0.	DEAD	-0.04	0.0044	-0.0018
85	0.416	DEAD	-0.04	0.0066	-0.0018
85	0.832	DEAD	-0.04	0.0088	-0.0018
85	1.248	DEAD	-0.04	0.011	-0.0018
85	1.664	DEAD	-0.04	0.0132	-0.0018
85	2.08	DEAD	-0.04	0.0154	-0.0018
85	0.	VIVA CUB	-0.2056	-0.0379	-0.0129
85	0.416	VIVA CUB	-0.2056	-4.588E-04	-0.0129
85	0.832	VIVA CUB	-0.2056	0.037	-0.0129
85	1.248	VIVA CUB	-0.2056	0.0744	-0.0129
85	1.664	VIVA CUB	-0.2056	0.1119	-0.0129
85	2.08	VIVA CUB	-0.2056	0.1493	-0.0129
85	0.	VCOMP	-0.1645	-0.0303	-0.0103
85	0.416	VCOMP	-0.1645	-3.670E-04	-0.0103
85	0.832	VCOMP	-0.1645	0.0296	-0.0103
85	1.248	VCOMP	-0.1645	0.0595	-0.0103
85	1.664	VCOMP	-0.1645	0.0895	-0.0103
85	2.08	VCOMP	-0.1645	0.1194	-0.0103
85	0.	VSUCC	0.1645	0.0303	0.0103
85	0.416	VSUCC	0.1645	3.670E-04	0.0103
85	0.832	VSUCC	0.1645	-0.0296	0.0103
85	1.248	VSUCC	0.1645	-0.0595	0.0103
85	1.664	VSUCC	0.1645	-0.0895	0.0103
85	2.08	VSUCC	0.1645	-0.1194	0.0103
85	0.	MUERTA CUB	-0.3212	0.0286	-0.0177
85	0.416	MUERTA CUB	-0.3212	0.048	-0.0177
85	0.832	MUERTA CUB	-0.3212	0.0675	-0.0177
85	1.248	MUERTA CUB	-0.3212	0.087	-0.0177
85	1.664	MUERTA CUB	-0.3212	0.1064	-0.0177
85	2.08	MUERTA CUB	-0.3212	0.1259	-0.0177
87	0.	DEAD	-0.0369	-0.0147	0.0018
87	0.4925	DEAD	-0.0369	-0.0121	0.0018
87	0.985	DEAD	-0.0369	-0.0095	0.0018
87	1.4775	DEAD	-0.0369	-0.0069	0.0018
87	1.97	DEAD	-0.0369	-0.0043	0.0018

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
87	0.	VIVA CUB	-0.1828	-0.1421	0.0122
87	0.4925	VIVA CUB	-0.1828	-0.0978	0.0122
87	0.985	VIVA CUB	-0.1828	-0.0534	0.0122
87	1.4775	VIVA CUB	-0.1828	-0.0091	0.0122
87	1.97	VIVA CUB	-0.1828	0.0352	0.0122
87	0.	VCOMP	-0.1462	-0.1137	0.0098
87	0.4925	VCOMP	-0.1462	-0.0782	0.0098
87	0.985	VCOMP	-0.1462	-0.0427	0.0098
87	1.4775	VCOMP	-0.1462	-0.0073	0.0098
87	1.97	VCOMP	-0.1462	0.0282	0.0098
87	0.	VSUCC	0.1462	0.1137	-0.0098
87	0.4925	VSUCC	0.1462	0.0782	-0.0098
87	0.985	VSUCC	0.1462	0.0427	-0.0098
87	1.4775	VSUCC	0.1462	0.0073	-0.0098
87	1.97	VSUCC	0.1462	-0.0282	-0.0098
87	0.	MUERTA CUB	-0.2948	-0.12	0.0178
87	0.4925	MUERTA CUB	-0.2948	-0.097	0.0178
87	0.985	MUERTA CUB	-0.2948	-0.0739	0

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
91	2.	VIVA CUB	0.0227	-1.835E-04	-5.606E-07
91	0.	VCOMP	0.0182	-1.468E-04	-4.485E-07
91	0.5	VCOMP	0.0182	-1.468E-04	-4.485E-07
91	1.	VCOMP	0.0182	-1.468E-04	-4.485E-07
91	1.5	VCOMP	0.0182	-1.468E-04	-4.485E-07
91	2.	VCOMP	0.0182	-1.468E-04	-4.485E-07
91	0.	VSUCC	-0.0182	1.468E-04	4.485E-07
91	0.5	VSUCC	-0.0182	1.468E-04	4.485E-07
91	1.	VSUCC	-0.0182	1.468E-04	4.485E-07
91	1.5	VSUCC	-0.0182	1.468E-04	4.485E-07
91	2.	VSUCC	-0.0182	1.468E-04	4.485E-07
91	0.	MUERTA CUB	0.07	-0.050E	-5.986E-07
91	0.5	MUERTA CUB	0.07	-0.025E	-5.986E-07
91	1.	MUERTA CUB	0.07	-5.932E-04	-5.986E-07
91	1.5	MUERTA CUB	0.07	0.0244	-5.986E-07
91	2.	MUERTA CUB	0.07	0.0494	-5.986E-07
92	0.	DEAD	0.0076	-0.0052	-1.115E-07
92	0.5	DEAD	0.0076	-0.0025	-1.115E-07
92	1.	DEAD	0.0076	1.264E-04	-1.115E-07
92	1.5	DEAD	0.0076	0.0028	-1.115E-07
92	2.	DEAD	0.0076	0.0054	-1.115E-07
92	0.	VIVA CUB	0.0229	3.310E-04	-1.037E-06
92	0.5	VIVA CUB	0.0229	3.310E-04	-1.037E-06
92	1.	VIVA CUB	0.0229	3.310E-04	-1.037E-06
92	1.5	VIVA CUB	0.0229	3.310E-04	-1.037E-06
92	2.	VIVA CUB	0.0229	3.310E-04	-1.037E-06
92	0.	VCOMP	0.0183	2.648E-04	-8.299E-07
92	0.5	VCOMP	0.0183	2.648E-04	-8.299E-07
92	1.	VCOMP	0.0183	2.648E-04	-8.299E-07
92	1.5	VCOMP	0.0183	2.648E-04	-8.299E-07
92	2.	VCOMP	0.0183	2.648E-04	-8.299E-07
92	0.	VSUCC	-0.0183	-2.648E-04	8.299E-07
92	0.5	VSUCC	-0.0183	-2.648E-04	8.299E-07
92	1.	VSUCC	-0.0183	-2.648E-04	8.299E-07
92	1.5	VSUCC	-0.0183	-2.648E-04	8.299E-07
92	2.	VSUCC	-0.0183	-2.648E-04	8.299E-07
92	0.	MUERTA CUB	0.0705	-0.0488	-1.108E-06
92	0.5	MUERTA CUB	0.0705	-0.0238	-1.108E-06
92	1.	MUERTA CUB	0.0705	0.0012	-1.108E-06
92	1.5	MUERTA CUB	0.0705	0.0262	-1.108E-06
92	2.	MUERTA CUB	0.0705	0.0512	-1.108E-06
93	0.	DEAD	0.0074	-0.0059	-1.165E-06
93	0.5	DEAD	0.0074	-0.0033	-1.165E-06
93	1.	DEAD	0.0074	-6.101E-04	-1.165E-06
93	1.5	DEAD	0.0074	0.002	-1.165E-06
93	2.	DEAD	0.0074	0.0047	-1.165E-06
93	0.	VIVA CUB	0.0225	-0.0015	-1.084E-05
93	0.5	VIVA CUB	0.0225	-0.0015	-1.084E-05
93	1.	VIVA CUB	0.0225	-0.0015	-1.084E-05
93	1.5	VIVA CUB	0.0225	-0.0015	-1.084E-05
93	2.	VIVA CUB	0.0225	-0.0015	-1.084E-05
93	0.	VCOMP	0.018	-0.0012	-8.669E-06
93	0.5	VCOMP	0.018	-0.0012	-8.669E-06
93	1.	VCOMP	0.018	-0.0012	-8.669E-06

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
93	1.5	VCOMP	0.018	-0.0012	-8.669E-06
93	2.	VCOMP	0.018	-0.0012	-8.669E-06
93	0.	VSUCC	-0.018	0.0012	8.669E-06
93	0.5	VSUCC	-0.018	0.0012	8.669E-06
93	1.	VSUCC	-0.018	0.0012	8.669E-06
93	1.5	VSUCC	-0.018	0.0012	8.669E-06
93	2.	VSUCC	-0.018	0.0012	8.669E-06
93	0.	MUERTA CUB	0.0689	-0.0557	-1.157E-05
93	0.5	MUERTA CUB	0.0689	-0.0307	-1.157E-05
93	1.	MUERTA CUB	0.0689	-0.0057	-1.157E-05
93	1.5	MUERTA CUB	0.0689	0.0193	-1.157E-05
93	2.	MUERTA CUB	0.0689	0.0443	-1.157E-05
94	0.	DEAD	0.0092	5.183E-04	-4.127E-06
94	0.4125	DEAD	0.0092	0.0027	-4.127E-06
94	0.825	DEAD	0.0092	0.0049	-4.127E-06
94	1.2375	DEAD	0.0092	0.0071	-4.127E-06
94	1.65	DEAD	0.0092	0.0093	-4.127E-06
94	0.	VIVA CUB	0.0272	0.0149	-3.839E-05
94	0.4125	VIVA CUB	0.0272	0.0149	-3.839E-05
94	0.825	VIVA CUB	0.0272	0.0149	-3.839E-05
94	1.2375	VIVA CUB	0.0272	0.0149	-3.839E-05
94	1.65	VIVA CUB	0.0272	0.0149	-3.839E-05
94	0.	VCOMP	0.0217	0.0119	-3.071E-05
94	0.4125	VCOMP	0.0217	0.0119	-3.071E-05
94	0.825	VCOMP	0.0217	0.0119	-3.071E-05
94	1.2375	VCOMP	0.0217	0.0119	-3.071E-05
94	1.65	VCOMP	0.0217	0.0119	-3.071E-05
94	0.	VSUCC	-0.0217	-0.0119	3.071E-05
94	0.4125	VSUCC	-0.0217	-0.0119	3.071E-05
94	0.825	VSUCC	-0.0217	-0.0119	3.071E-05
94	1.2375	VSUCC	-0.0217	-0.0119	3.071E-05
94	1.65	VSUCC	-0.0217	-0.0119	3.071E-05
94	0.	MUERTA CUB	0.0862	0.0044	-4.099E-05
94	0.4125	MUERTA CUB	0.0862	0.0025	-4.099E-05
94	0.825	MUERTA CUB	0.0862	0.0456	-4.099E-05
94	1.2375	MUERTA CUB	0.0862	0.0662	-4.099E-05
94	1.65	MUERTA CUB	0.0862	0.0869	-4.099E-05
95	0.	DEAD	-6.939E-18	0.0042	8.095E-04
95	0.416	DEAD	-6.939E-18	0.0064	8.095E-04
95	0.832	DEAD	-6.939E-18	0.0086	8.095E-04
95	1.248	DEAD	-6.939E-18	0.0108	8.095E-04
95	1.664	DEAD	-6.939E-18	0.013	8.095E-04
95	2.08	DEAD	-6.939E-18	0.0152	8.095E-04
95	0.	VIVA CUB	-1.110E-16	6.486E-04	0.0058
95	0.416	VIVA CUB	-1.110E-16	0.0381	0.0058
95	0.832	VIVA CUB	-1.110E-16	0.0755	0.0058
95	1.248	VIVA CUB	-1.110E-16	0.113	0.0058
95	1.664	VIVA CUB	-1.110E-16	0.1504	0.0058
95	2.08	VIVA CUB	-1.110E-16	0.1878	0.0058
95	0.	VCOMP	-1.110E-16	5.189E-04	0.0047
95	0.416	VCOMP	-1.110E-16	0.0305	0.0047
95	0.832	VCOMP	-1.110E-16	0.0604	0.0047
95	1.248	VCOMP	-1.110E-16	0.0904	0.0047
95	1.664	VCOMP	-1.110E-16	0.1203	0.0047

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
95	2.08	VCOMP	-1.110E-16	0.1503	0.0047
95	0.	VSUCC	1.110E-16	-5.189E-04	-0.0047
95	0.416	VSUCC	1.110E-16	-0.0305	-0.0047
95	0.832	VSUCC	1.110E-16	-0.0604	-0.0047
95	1.248	VSUCC	1.110E-16	-0.0904	-0.0047
95	1.664	VSUCC	1.110E-16	-0.1203	-0.0047
95	2.08	VSUCC	1.110E-16	-0.1503	-0.0047
95	0.	MUERTA CUB	-5.551E-17	0.0395	0.008
95	0.416	MUERTA CUB	-5.551E-17	0.059	0.008
95	0.832	MUERTA CUB	-5.551E-17	0.0785	0.008
95	1.248	MUERTA CUB	-5.551E-17	0.0979	0.008
95	1.664	MUERTA CUB	-5.551E-17	0.1174	0.008
95	2.08	MUERTA CUB	-5.551E-17	0.1369	0.008
96	0.	DEAD	0.	6.292E-04	4.502E-06
96	0.416	DEAD	0.	0.0028	4.502E-06
96	0.832	DEAD	0.	0.005	4.502E-06
96	1.248	DEAD	0.	0.0072	4.502E-06
96	1.664	DEAD	0.	0.0094	4.502E-06
96	2.08	DEAD	0.	0.0116	4.502E-06
96	0.	VIVA CUB	-2.776E-17	-6.939E-18	4.188E-05
96	0.416	VIVA CUB	-2.776E-17	-6.939E-18	4.188E-05
96	0.832	VIVA CUB	-2.776E-17	-6.939E-18	4.188E-05
96	1.248	VIVA CUB	-2.776E-17	-6.939E-18	4.188E-05
96	1.664	VIVA CUB	-2.776E-17	-6.939E-18	4.188E-05
96	2.08	VIVA CUB	-2.776E-17	-6.939E-18	4.188E-05
96	0.	VCOMP	-2.776E-17	-5.204E-18	3.350E-05
96	0.416	VCOMP	-2.776E-17	-5.204E-18	3.350E-05
96	0.832	VCOMP	-2.776E-17	-5.204E-18	3.350E-05
96	1.248	VCOMP	-2.776E-17	-5.204E-18	3.350E-05
96	1.664	VCOMP	-2.776E-17	-5.204E-18	3.350E-05
96	2.08	VCOMP	-2.776E-17	-5.204E-18	3.350E-05
96	0.	VSUCC	2.776E-17	5.204E-18	-3.350E-05
96	0.416	VSUCC	2.776E-17	5.204E-18	-3.350E-05
96	0.832	VSUCC	2.776E-17	5.204E-18	-3.350E-05
96	1.248	VSUCC	2.776E-17	5.204E-18	-3.350E-05
96	1.664	VSUCC	2.776E-17	5.204E-18	-3.350E-05
96	2.08	VSUCC	2.776E-17	5.204E-18	-3.350E-05
96	0.	MUERTA CUB	0.	0.0059	4.471E-05
96	0.416	MUERTA CUB	0.	0.0267	4.471E-05
96	0.832	MUERTA CUB	0.	0.0475	4.471E-05
96	1.248	MUERTA CUB	0.	0.0683	4.471E-05
96	1.664	MUERTA CUB	0.	0.0891	4.471E-05
96	2.08	MUERTA CUB	0.	0.1099	4.471E-05
97	0.	DEAD	0.0086	-0.0018	-3.647E-06
97	0.4875	DEAD	0.0086	7.796E-04	-3.647E-06
97	0.975	DEAD	0.0086	0.0034	-3.647E-06
97	1.4625	DEAD	0.0086	0.0059	-3.647E-06
97	1.95	DEAD	0.0086	0.0085	-3.647E-06
97	0.	VIVA CUB	0.0259	0.0102	-3.392E-05
97	0.4875	VIVA CUB	0.0259	0.0102	-3.392E-05
97	0.975	VIVA CUB	0.0259	0.0102	-3.392E-05
97	1.4625	VIVA CUB	0.0259	0.0102	-3.392E-05
97	1.95	VIVA CUB	0.0259	0.0102	-3.392E-05
97	0.	VCOMP	0.0207	0.0082	-2.714E-05

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
97	0.4875	VCOMP	0.0207	0.0082	-2.714E-05
97	0.975	VCOMP	0.0207	0.0082	-2.714E-05
97	1.4625	VCOMP	0.0207	0.0082	-2.714E-05
97	1.95	VCOMP	0.0207	0.0082	-2.714E-05
97	0.	VSUCC	-0.0207	-0.0082	2.714E-05
97	0.4875	VSUCC	-0.0207	-0.0082	2.714E-05
97	0.975	VSUCC	-0.0207	-0.0082	2.714E-05
97	1.4625	VSUCC	-0.0207	-0.0082	2.714E-05
97	1.95	VSUCC	-0.0207	-0.0082	2.714E-05
97	0.	MUERTA CUB	0.0802	-0.0174	-3.622E-05
97	0.4875	MUERTA CUB	0.0802	0.007	-3.622E-05
97	0.975	MUERTA CUB	0.0802	0.0314	-3.622E-05
97	1.4625	MUERTA CUB	0.0802	0.0557	-3.622E-05
97	1.95	MUERTA CUB	0.0802	0.0801	-3.622E-05
98	0.	DEAD	6.939E-18	-0.0146	-8.298E-04
98	0.4925	DEAD	6.939E-18	-0.012	-8.298E-04
98	0.985	DEAD	6.939E-18	-0.0094	-8.298E-04
98	1.4775	DEAD	6.939E-18	-0.0068	-8.298E-04
98	1.97	DEAD	6.939E-18	-0.0042	-8.298E-04
98	0.	VIVA CUB	0.	-0.1779	-0.0056
98	0.4925	VIVA CUB	0.	-0.1336	-0.0056
98	0.985	VIVA CUB	0.	-0.0893	-0.0056
98	1.4775	VIVA CUB	0.	-0.0449	-0.0056
98	1.97	VIVA CUB	0.	-6.127E-04	-0.0056
98	0.	VCOMP	0.	-0.1423	-0.0045
98	0.4925	VCOMP	0.	-0.1069	-0.0045
98	0.985	VCOMP	0.	-0.0714	-0.0045
98	1.4775	VCOMP	0.	-0.036	-0.0045
98	1.97	VCOMP	0.	-4.901E-04	-0.0045
98	0.	VSUCC	0.	0.1423	0.0045
98	0.4925	VSUCC	0.	0.1069	0.0045
98	0.985	VSUCC	0.	0.0714	0.0045
98	1.4775	VSUCC	0.	0.036	0.0045
98	1.97	VSUCC	0.	4.901E-04	0.0045
98	0.	MUERTA CUB	-1.110E-16	-0.1317	-0.0082
98	0.4925	MUERTA CUB	-1.110E-16	-0.1087	-0.0082
98	0.985	MUERTA CUB	-1.110E-16	-0.0856	-0.0082
98	1.4775	MUERTA CUB	-1.110E-16	-0.0626	-0.0082
98	1.97	MUERTA CUB	-1.110E-16	-0.0395	-0.0082
99	0.	DEAD	0.	-0.0111	4.502E-06
99	0.4925	DEAD	0.	-0.0085	4.502E-06
99	0.985	DEAD	0.	-0.0059	4.502E-06
99	1.4775	DEAD	0.	-0.0032	4.502E-06
99	1.97	DEAD	0.	-6.292E-04	4.502E-06
99	0.	VIVA CUB	0.	-1.735E-18	4.188E-05
99	0.4925	VIVA CUB	0.	-1.735E-18	4.188E-05
99	0.985	VIVA CUB	0.	-1.735E-18	4.188E-05
99	1.4775	VIVA CUB	0.	-1.735E-18	4.188E-05
99	1.97	VIVA CUB	0.	-1.735E-18	4.188E-05
99	0.	VCOMP	0.	-1.041E-17	3.350E-05
99	0.4925	VCOMP	0.	-1.041E-17	3.350E-05
99	0.985	VCOMP	0.	-1.041E-17	3.350E-05
99	1.4775	VCOMP	0.	-1.041E-17	3.350E-05
99	1.97	VCOMP	0.	-1.041E-17	3.350E-05

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
99	0.	VSUCC	0.	1.041E-17	-3.350E-05
99	0.4925	VSUCC	0.	1.041E-17	-3.350E-05
99	0.985	VSUCC	0.	1.041E-17	-3.350E-05
99	1.4775	VSUCC	0.	1.041E-17	-3.350E-05
99	1.97	VSUCC	0.	1.041E-17	-3.350E-05
99	0.	MUERTA CUB	0.	-0.1044	4.471E-05
99	0.4925	MUERTA CUB	0.	-0.0798	4.471E-05
99	0.985	MUERTA CUB	0.	-0.0552	4.471E-05
99	1.4775	MUERTA CUB	0.	-0.0306	4.471E-05
99	1.97	MUERTA CUB	0.	-0.0059	4.471E-05
100	0.	DEAD	4.496E-04	-0.0034	0.
100	0.65396	DEAD	8.303E-04	-4.727E-19	0.
100	1.30792	DEAD	0.0012	0.0034	0.
100	0.	VIVA CUB	0.0056	0.	0.
100	0.65396	VIVA CUB	0.0056	0.	0.
100	1.30792	VIVA CUB	0.0056	0.	0.
100	0.	VCOMP	0.0045	0.	0.
100	0.65396	VCOMP	0.0045	0.	0.
100	1.30792	VCOMP	0.0045	0.	0.
100	0.	VSUCC	-0.0045	0.	0.
100	0.65396	VSUCC	-0.0045	0.	0.
100	1.30792	VSUCC	-0.0045	0.	0.
100	0.	MUERTA CUB	0.0047	-0.0325	0.
100	0.65396	MUERTA CUB	0.0082	2.413E-18	0.
100	1.30792	MUERTA CUB	0.0118	0.0325	0.
101	0.	DEAD	-4.502E-06	-6.292E-04	0.
101	0.2375	DEAD	-4.502E-06	6.292E-04	0.
101	0.	VIVA CUB	-4.188E-05	0.	0.
101	0.2375	VIVA CUB	-4.188E-05	0.	0.
101	0.	VCOMP	-3.350E-05	0.	0.
101	0.2375	VCOMP	-3.350E-05	0.	0.
101	0.	VSUCC	3.350E-05	0.	0.
101	0.2375	VSUCC	3.350E-05	0.	0.
101	0.	MUERTA CUB	-4.471E-05	-0.0059	0.
101	0.2375	MUERTA CUB	-4.471E-05	0.0059	0.
102	0.	DEAD	4.383E-04	-0.0034	0.
102	0.65396	DEAD	8.189E-04	5.649E-19	0.
102	1.30792	DEAD	0.0012	0.0034	0.
102	0.	VIVA CUB	0.0059	0.	0.
102	0.65396	VIVA CUB	0.0059	0.	0.
102	1.30792	VIVA CUB	0.0059	0.	0.
102	0.	VCOMP	0.0047	0.	0.
102	0.65396	VCOMP	0.0047	0.	0.
102	1.30792	VCOMP	0.0047	0.	0.
102	0.	VSUCC	-0.0047	0.	0.
102	0.65396	VSUCC	-0.0047	0.	0.
102	1.30792	VSUCC	-0.0047	0.	0.
102	0.	MUERTA CUB	0.0045	-0.0325	0.
102	0.65396	MUERTA CUB	0.0081	-3.273E-18	0.
102	1.30792	MUERTA CUB	0.0117	0.0325	0.
103	0.	DEAD	4.502E-06	-6.292E-04	0.
103	0.2375	DEAD	4.502E-06	6.292E-04	0.
103	0.	VIVA CUB	4.188E-05	0.	0.
103	0.2375	VIVA CUB	4.188E-05	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
103	0.	VCOMP	3.350E-05	0.	0.
103	0.2375	VCOMP	3.350E-05	0.	0.
103	0.	VSUCC	-3.350E-05	0.	0.
103	0.2375	VSUCC	-3.350E-05	0.	0.
103	0.	MUERTA CUB	4.471E-05	-0.0059	0.
103	0.2375	MUERTA CUB	4.471E-05	0.0059	0.
104	0.	DEAD	-0.0013	-0.0018	0.04
104	0.2873	DEAD	-0.0029	-0.0018	0.04
104	0.5746	DEAD	-0.0044	-0.0018	0.04
104	0.	VIVA CUB	0.0379	-0.0129	0.2056
104	0.2873	VIVA CUB	0.0379	-0.0129	0.2056
104	0.5746	VIVA CUB	0.0379	-0.0129	0.2056
104	0.	VCOMP	0.0303	-0.0103	0.1645
104	0.2873	VCOMP	0.0303	-0.0103	0.1645
104	0.5746	VCOMP	0.0303	-0.0103	0.1645
104	0.	VSUCC	-0.0303	0.0103	-0.1645
104	0.2873	VSUCC	-0.0303	0.0103	-0.1645
104	0.5746	VSUCC	-0.0303	0.0103	-0.1645
104	0.	MUERTA CUB	-0.0286	-0.0177	0.3212
104	0.2873	MUERTA CUB	-0.0286	-0.0177	0.3212
104	0.5746	MUERTA CUB	-0.0286	-0.0177	0.3212
105	0.	DEAD	-0.0013	-0.0018	-0.0369
105	0.2873	DEAD	-0.0028	-0.0018	-0.0369
105	0.5746	DEAD	-0.0043	-0.0018	-0.0369
105	0.	VIVA CUB	0.0352	-0.0122	-0.1828
105	0.2873	VIVA CUB	0.0352	-0.0122	-0.1828
105	0.5746	VIVA CUB	0.0352	-0.0122	-0.1828
105	0.	VCOMP	0.0282	-0.0098	-0.1462
105	0.2873	VCOMP	0.0282	-0.0098	-0.1462
105	0.5746	VCOMP	0.0282	-0.0098	-0.1462
105	0.	VSUCC	-0.0282	0.0098	0.1462
105	0.2873	VSUCC	-0.0282	0.0098	0.1462
105	0.5746	VSUCC	-0.0282	0.0098	0.1462
105	0.	MUERTA CUB	-0.0278	-0.0178	-0.2948
105	0.2873	MUERTA CUB	-0.0278	-0.0178	-0.2948
105	0.5746	MUERTA CUB	-0.0278	-0.0178	-0.2948
266	0.	DEAD	-0.0514	0.0095	0.0135
266	0.46595	DEAD	-0.0464	0.0095	0.0135
266	0.9319	DEAD	-0.0413	0.0095	0.0135
266	0.	VIVA CUB	-0.3175	0.0159	0.1093
266	0.46595	VIVA CUB	-0.3175	0.0159	0.1093
266	0.9319	VIVA CUB	-0.3175	0.0159	0.1093
266	0.	VCOMP	-0.254	0.0127	0.0874
266	0.46595	VCOMP	-0.254	0.0127	0.0874
266	0.9319	VCOMP	-0.254	0.0127	0.0874
266	0.	VSUCC	0.254	-0.0127	-0.0874
266	0.46595	VSUCC	0.254	-0.0127	-0.0874
266	0.9319	VSUCC	0.254	-0.0127	-0.0874
266	0.	MUERTA CUB	-0.2374	0.0142	0.1227
266	0.46595	MUERTA CUB	-0.2374	0.0142	0.1227
266	0.9319	MUERTA CUB	-0.2374	0.0142	0.1227
267	0.	DEAD	0.182	0.0105	-0.0065
267	0.4664	DEAD	0.177	0.0105	-0.0065
267	0.9328	DEAD	0.1719	0.0105	-0.0065

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
267	0.	VIVA CUB	0.4255	0.0275	-0.0475
267	0.4664	VIVA CUB	0.4255	0.0275	-0.0475
267	0.9328	VIVA CUB	0.4255	0.0275	-0.0475
267	0.	VCOMP	0.3404	0.022	-0.038
267	0.4664	VCOMP	0.3404	0.022	-0.038
267	0.9328	VCOMP	0.3404	0.022	-0.038
267	0.	VSUCC	-0.3404	-0.022	0.038
267	0.4664	VSUCC	-0.3404	-0.022	0.038
267	0.9328	VSUCC	-0.3404	-0.022	0.038
267	0.	MUERTA CUB	0.3763	0.0291	-0.06
267	0.4664	MUERTA CUB	0.3763	0.0291	-0.06
267	0.9328	MUERTA CUB	0.3763	0.0291	-0.06
268	0.	DEAD	-0.1151	-0.0185	0.0013
268	0.65396	DEAD	-0.1135	-0.0045	0.0013
268	1.30791	DEAD	-0.112	0.0096	0.0013
268	0.	VIVA CUB	-0.3292	-0.0047	0.0106
268	0.65396	VIVA CUB	-0.3292	-0.0047	0.0106
268	1.30791	VIVA CUB	-0.3292	-0.0047	0.0106
268	0.	VCOMP	-0.2633	-0.0038	0.0085
268	0.65396	VCOMP	-0.2633	-0.0038	0.0085
268	1.30791	VCOMP	-0.2633	-0.0038	0.0085
268	0.	VSUCC	0.2633	0.0038	-0.0085
268	0.65396	VSUCC	0.2633	0.0038	-0.0085
268	1.30791	VSUCC	0.2633	0.0038	-0.0085
268	0.	MUERTA CUB	-0.2973	0.0014	0.0141
268	0.65396	MUERTA CUB	-0.2973	0.0014	0.0141
268	1.30791	MUERTA CUB	-0.2973	0.0014	0.0141
269	0.	DEAD	-0.3792	-0.0134	-0.0059
269	0.65396	DEAD	-0.3777	6.014E-04	-0.0059
269	1.30791	DEAD	-0.3761	0.0146	-0.0059
269	0.	VIVA CUB	-1.0717	-0.0015	-0.0417
269	0.65396	VIVA CUB	-1.0717	-0.0015	-0.0417
269	1.30791	VIVA CUB	-1.0717	-0.0015	-0.0417
269	0.	VCOMP	-0.8574	-0.0012	-0.0334
269	0.65396	VCOMP	-0.8574	-0.0012	-0.0334
269	1.30791	VCOMP	-0.8574	-0.0012	-0.0334
269	0.	VSUCC	0.8574	0.0012	0.0334
269	0.65396	VSUCC	0.8574	0.0012	0.0334
269	1.30791	VSUCC	0.8574	0.0012	0.0334
269	0.	MUERTA CUB	-0.9496	-0.0022	-0.0541
269	0.65396	MUERTA CUB	-0.9496	-0.0022	-0.0541
269	1.30791	MUERTA CUB	-0.9496	-0.0022	-0.0541
270	0.	DEAD	-0.2737	-0.0119	-0.0083
270	0.65396	DEAD	-0.2721	-0.0021	-0.0083
270	1.30791	DEAD	-0.2706	0.0161	-0.0083
270	0.	VIVA CUB	-0.7651	0.0012	-0.0601
270	0.65396	VIVA CUB	-0.7651	0.0012	-0.0601
270	1.30791	VIVA CUB	-0.7651	0.0012	-0.0601
270	0.	VCOMP	-0.6121	9.827E-04	-0.0481
270	0.65396	VCOMP	-0.6121	9.827E-04	-0.0481
270	1.30791	VCOMP	-0.6121	9.827E-04	-0.0481
270	0.	VSUCC	0.6121	-9.827E-04	0.0481
270	0.65396	VSUCC	0.6121	-9.827E-04	0.0481
270	1.30791	VSUCC	0.6121	-9.827E-04	0.0481

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
270	0.	MUERTA CUB	-0.6803	0.0012	-0.0768
270	0.65396	MUERTA CUB	-0.6803	0.0012	-0.0768
270	1.30791	MUERTA CUB	-0.6803	0.0012	-0.0768
271	0.	DEAD	-0.011	-0.0113	-0.0055
271	0.65396	DEAD	-0.0094	0.0027	-0.0055
271	1.30791	DEAD	-0.0079	0.0168	-0.0055
271	0.	VIVA CUB	-0.0156	0.0096	-0.0395
271	0.65396	VIVA CUB	-0.0156	0.0096	-0.0395
271	1.30791	VIVA CUB	-0.0156	0.0096	-0.0395
271	0.	VCOMP	-0.0124	0.0077	-0.0316
271	0.65396	VCOMP	-0.0124	0.0077	-0.0316
271	1.30791	VCOMP	-0.0124	0.0077	-0.0316
271	0.	VSUCC	0.0124	-0.0077	0.0316
271	0.65396	VSUCC	0.0124	-0.0077	0.0316
271	1.30791	VSUCC	0.0124	-0.0077	0.0316
271	0.	MUERTA CUB	-0.015	0.0089	-0.0517
271	0.65396	MUERTA CUB	-0.015	0.0089	-0.0517
271	1.30791	MUERTA CUB	-0.015	0.0089	-0.0517
272	0.	DEAD	0.2163	-0.0167	-0.0028
272	0.65397	DEAD	0.2178	-0.0026	-0.0028
272	1.30794	DEAD	0.2194	0.0114	-0.0028
272	0.	VIVA CUB	0.6057	-0.0135	-0.0203
272	0.65397	VIVA CUB	0.6057	-0.0135	-0.0203
272	1.30794	VIVA CUB	0.6057	-0.0135	-0.0203
272	0.	VCOMP	0.4845	-0.0108	-0.0163
272	0.65397	VCOMP	0.4845	-0.0108	-0.0163
272	1.30794	VCOMP	0.4845	-0.0108	-0.0163
272	0.	VSUCC	-0.4845	0.0108	0.0163
272	0.65397	VSUCC	-0.4845	0.0108	0.0163
272	1.30794	VSUCC	-0.4845	0.0108	0.0163
272	0.	MUERTA CUB	0.5395	-0.0124	-0.0261
272	0.65397	MUERTA CUB	0.5395	-0.0124	-0.0261
272	1.30794	MUERTA CUB	0.5395	-0.0124	-0.0261
273	0.	DEAD	0.2166	-0.0136	-0.0028
273	0.65397	DEAD	0.2182	0.405E-04	-0.0028
273	1.30794	DEAD	0.2197	0.0144	-0.0028
273	0.	VIVA CUB	0.6075	0.0034	-0.0203
273	0.65397	VIVA CUB	0.6075	0.0034	-0.0203
273	1.30794	VIVA CUB	0.6075	0.0034	-0.0203
273	0.	VCOMP	0.486	0.0027	-0.0163
273	0.65397	VCOMP	0.486	0.0027	-0.0163
273	1.30794	VCOMP	0.486	0.0027	-0.0163
273	0.	VSUCC	-0.486	-0.0027	0.0163
273	0.65397	VSUCC	-0.486	-0.0027	0.0163
273	1.30794	VSUCC	-0.486	-0.0027	0.0163
273	0.	MUERTA CUB	0.5413	0.0031	-0.0261
273	0.65397	MUERTA CUB	0.5413	0.0031	-0.0261
273	1.30794	MUERTA CUB	0.5413	0.0031	-0.0261
274	0.	DEAD	0.2756	-0.0152	9.743E-05
274	0.65397	DEAD	0.2772	-0.0011	9.743E-05
274	1.30794	DEAD	0.2787	0.0139	9.743E-05
274	0.	VIVA CUB	0.7825	-0.022E-04	0.0013
274	0.65397	VIVA CUB	0.7825	-0.022E-04	0.0013
274	1.30794	VIVA CUB	0.7825	-0.022E-04	0.0013

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
274	0.	VCOMP	0.626	-3.218E-04	0.001
274	0.65397	VCOMP	0.626	-3.218E-04	0.001
274	1.30794	VCOMP	0.626	-3.218E-04	0.001
274	0.	VSUCC	-0.626	3.218E-04	-0.001
274	0.65397	VSUCC	-0.626	3.218E-04	-0.001
274	1.30794	VSUCC	-0.626	3.218E-04	-0.001
274	0.	MUERTA CUB	0.6995	-3.279E-04	6.733E-04
274	0.65397	MUERTA CUB	0.6995	-3.279E-04	6.733E-04
274	1.30794	MUERTA CUB	0.6995	-3.279E-04	6.733E-04
275	0.	DEAD	0.1697	-0.0116	0.006
275	0.65397	DEAD	0.1712	0.0024	0.006
275	1.30794	DEAD	0.1728	0.0165	0.006
275	0.	VIVA CUB	0.4718	0.0139	0.0438
275	0.65397	VIVA CUB	0.4718	0.0139	0.0438
275	1.30794	VIVA CUB	0.4718	0.0139	0.0438
275	0.	VCOMP	0.3774	0.0111	0.0351
275	0.65397	VCOMP	0.3774	0.0111	0.0351
275	1.30794	VCOMP	0.3774	0.0111	0.0351
275	0.	VSUCC	-0.3774	-0.0111	-0.0351
275	0.65397	VSUCC	-0.3774	-0.0111	-0.0351
275	1.30794	VSUCC	-0.3774	-0.0111	-0.0351
275	0.	MUERTA CUB	0.4236	0.0124	0.0553
275	0.65397	MUERTA CUB	0.4236	0.0124	0.0553
275	1.30794	MUERTA CUB	0.4236	0.0124	0.0553
276	0.	DEAD	0.0352	0.	0.
276	0.46629	DEAD	0.0302	0.	0.
276	0.93258	DEAD	0.0252	0.	0.
276	0.	VIVA CUB	-0.017	0.	0.
276	0.46629	VIVA CUB	-0.017	0.	0.
276	0.93258	VIVA CUB	-0.017	0.	0.
276	0.	VCOMP	-0.0136	0.	0.
276	0.46629	VCOMP	-0.0136	0.	0.
276	0.93258	VCOMP	-0.0136	0.	0.
276	0.	VSUCC	0.0136	0.	0.
276	0.46629	VSUCC	0.0136	0.	0.
276	0.93258	VSUCC	0.0136	0.	0.
276	0.	MUERTA CUB	-0.0157	0.	0.
276	0.46629	MUERTA CUB	-0.0157	0.	0.
276	0.93258	MUERTA CUB	-0.0157	0.	0.
277	0.	DEAD	0.0061	0.	0.
277	0.46618	DEAD	0.0011	0.	0.
277	0.93235	DEAD	-0.004	0.	0.
277	0.	VIVA CUB	-0.1195	0.	0.
277	0.46618	VIVA CUB	-0.1195	0.	0.
277	0.93235	VIVA CUB	-0.1195	0.	0.
277	0.	VCOMP	-0.0956	0.	0.
277	0.46618	VCOMP	-0.0956	0.	0.
277	0.93235	VCOMP	-0.0956	0.	0.
277	0.	VSUCC	0.0956	0.	0.
277	0.46618	VSUCC	0.0956	0.	0.
277	0.93235	VSUCC	0.0956	0.	0.
277	0.	MUERTA CUB	-0.1085	0.	0.
277	0.46618	MUERTA CUB	-0.1085	0.	0.
277	0.93235	MUERTA CUB	-0.1085	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
278	0.	DEAD	0.1178	0.	0.
278	0.46606	DEAD	0.1128	0.	0.
278	0.93213	DEAD	0.1078	0.	0.
278	0.	VIVA CUB	0.2061	0.	0.
278	0.46606	VIVA CUB	0.2061	0.	0.
278	0.93213	VIVA CUB	0.2061	0.	0.
278	0.	VCOMP	0.1649	0.	0.
278	0.46606	VCOMP	0.1649	0.	0.
278	0.93213	VCOMP	0.1649	0.	0.
278	0.	VSUCC	-0.1649	0.	0.
278	0.46606	VSUCC	-0.1649	0.	0.
278	0.93213	VSUCC	-0.1649	0.	0.
278	0.	MUERTA CUB	0.1831	0.	0.
278	0.46606	MUERTA CUB	0.1831	0.	0.
278	0.93213	MUERTA CUB	0.1831	0.	0.
283	0.	DEAD	5.638E-18	0.	2.602E-18
283	0.23895	DEAD	5.663E-04	0.0051	2.602E-18
283	0.47789	DEAD	0.0011	0.0102	2.602E-18
283	0.	VIVA CUB	2.040E-16	-5.551E-17	3.469E-17
283	0.23895	VIVA CUB	2.040E-16	-5.551E-17	3.469E-17
283	0.47789	VIVA CUB	2.040E-16	-5.551E-17	3.469E-17
283	0.	VCOMP	3.061E-16	-1.388E-17	-2.776E-17
283	0.23895	VCOMP	3.061E-16	-1.388E-17	-2.776E-17
283	0.47789	VCOMP	3.061E-16	-1.388E-17	-2.776E-17
283	0.	VSUCC	-3.061E-16	1.388E-17	2.776E-17
283	0.23895	VSUCC	-3.061E-16	1.388E-17	2.776E-17
283	0.47789	VSUCC	-3.061E-16	1.388E-17	2.776E-17
283	0.	MUERTA CUB	-2.040E-16	-2.776E-17	-4.163E-17
283	0.23895	MUERTA CUB	-2.040E-16	-2.776E-17	-4.163E-17
283	0.47789	MUERTA CUB	-2.040E-16	-2.776E-17	-4.163E-17
284	0.	DEAD	-0.0258	-8.629E-06	0.0092
284	0.46595	DEAD	-0.0234	-8.629E-06	0.0092
284	0.9319	DEAD	-0.0209	-8.629E-06	0.0092
284	0.	VIVA CUB	-0.0149	-8.027E-05	0.0272
284	0.46595	VIVA CUB	-0.0149	-8.027E-05	0.0272
284	0.9319	VIVA CUB	-0.0149	-8.027E-05	0.0272
284	0.	VCOMP	-0.0119	-6.422E-05	0.0217
284	0.46595	VCOMP	-0.0119	-6.422E-05	0.0217
284	0.9319	VCOMP	-0.0119	-6.422E-05	0.0217
284	0.	VSUCC	0.0119	6.422E-05	-0.0217
284	0.46595	VSUCC	0.0119	6.422E-05	-0.0217
284	0.9319	VSUCC	0.0119	6.422E-05	-0.0217
284	0.	MUERTA CUB	-0.1968	-8.571E-05	0.0862
284	0.46595	MUERTA CUB	-0.1968	-8.571E-05	0.0862
284	0.9319	MUERTA CUB	-0.1968	-8.571E-05	0.0862
286	0.	DEAD	-0.0278	0.0078	-0.0026
286	0.46595	DEAD	-0.0227	0.0078	-0.0026
286	0.9319	DEAD	-0.0177	0.0078	-0.0026
286	0.	VIVA CUB	-0.1105	0.0036	-0.0247
286	0.46595	VIVA CUB	-0.1105	0.0036	-0.0247
286	0.9319	VIVA CUB	-0.1105	0.0036	-0.0247
286	0.	VCOMP	-0.0884	0.0029	-0.0197
286	0.46595	VCOMP	-0.0884	0.0029	-0.0197
286	0.9319	VCOMP	-0.0884	0.0029	-0.0197

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
286	0.	VSUCC	0.0884	-0.0029	0.0197
286	0.46595	VSUCC	0.0884	-0.0029	0.0197
286	0.9319	VSUCC	0.0884	-0.0029	0.0197
286	0.	MUERTA CUB	-0.0217	-0.0014	-0.0236
286	0.46595	MUERTA CUB	-0.0217	-0.0014	-0.0236
286	0.9319	MUERTA CUB	-0.0217	-0.0014	-0.0236
287	0.	DEAD	0.138	0.0072	0.0017
287	0.4664	DEAD	0.1329	0.0072	0.0017
287	0.9328	DEAD	0.1279	0.0072	0.0017
287	0.	VIVA CUB	0.1054	0.0037	0.0133
287	0.4664	VIVA CUB	0.1054	0.0037	0.0133
287	0.9328	VIVA CUB	0.1054	0.0037	0.0133
287	0.	VCOMP	0.0843	0.0029	0.0106
287	0.4664	VCOMP	0.0843	0.0029	0.0106
287	0.9328	VCOMP	0.0843	0.0029	0.0106
287	0.	VSUCC	-0.0843	-0.0029	-0.0106
287	0.4664	VSUCC	-0.0843	-0.0029	-0.0106
287	0.9328	VSUCC	-0.0843	-0.0029	-0.0106
287	0.	MUERTA CUB	-0.0256	-0.0022	0.0157
287	0.4664	MUERTA CUB	-0.0256	-0.0022	0.0157
287	0.9328	MUERTA CUB	-0.0256	-0.0022	0.0157
288	0.	DEAD	-0.0824	-0.0185	-6.266E-04
288	0.65396	DEAD	-0.0809	-0.0045	-6.266E-04
288	1.30791	DEAD	-0.0793	0.0095	-6.266E-04
288	0.	VIVA CUB	-0.0927	-0.0045	-0.0032
288	0.65396	VIVA CUB	-0.0927	-0.0045	-0.0032
288	1.30791	VIVA CUB	-0.0927	-0.0045	-0.0032
288	0.	VCOMP	-0.0741	-0.0036	-0.0025
288	0.65396	VCOMP	-0.0741	-0.0036	-0.0025
288	1.30791	VCOMP	-0.0741	-0.0036	-0.0025
288	0.	VSUCC	0.0741	0.0036	0.0025
288	0.65396	VSUCC	0.0741	0.0036	0.0025
288	1.30791	VSUCC	0.0741	0.0036	0.0025
288	0.	MUERTA CUB	0.0023	-1.089E-04	-0.0058
288	0.65396	MUERTA CUB	0.0023	-1.089E-04	-0.0058
288	1.30791	MUERTA CUB	0.0023	-1.089E-04	-0.0058
289	0.	DEAD	-0.2679	-0.0131	8.378E-04
289	0.65396	DEAD	-0.2664	9.132E-04	8.378E-04
289	1.30791	DEAD	-0.2648	0.0149	8.378E-04
289	0.	VIVA CUB	-0.2608	7.195E-04	0.0073
289	0.65396	VIVA CUB	-0.2608	7.195E-04	0.0073
289	1.30791	VIVA CUB	-0.2608	7.195E-04	0.0073
289	0.	VCOMP	-0.2087	5.756E-04	0.0058
289	0.65396	VCOMP	-0.2087	5.756E-04	0.0058
289	1.30791	VCOMP	-0.2087	5.756E-04	0.0058
289	0.	VSUCC	0.2087	-5.756E-04	-0.0058
289	0.65396	VSUCC	0.2087	-5.756E-04	-0.0058
289	1.30791	VSUCC	0.2087	-5.756E-04	-0.0058
289	0.	MUERTA CUB	0.0692	7.854E-04	0.0078
289	0.65396	MUERTA CUB	0.0692	7.854E-04	0.0078
289	1.30791	MUERTA CUB	0.0692	7.854E-04	0.0078
290	0.	DEAD	-0.1937	-0.0121	0.0014
290	0.65396	DEAD	-0.1921	0.0019	0.0014
290	1.30791	DEAD	-0.1906	0.016	0.0014

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
290	0.	VIVA CUB	-0.1825	-1.226E-04	0.0117
290	0.65396	VIVA CUB	-0.1825	-1.226E-04	0.0117
290	1.30791	VIVA CUB	-0.1825	-1.226E-04	0.0117
290	0.	VCOMP	-0.146	-9.804E-05	0.0094
290	0.65396	VCOMP	-0.146	-9.804E-05	0.0094
290	1.30791	VCOMP	-0.146	-9.804E-05	0.0094
290	0.	VSUCC	0.146	9.804E-05	-0.0094
290	0.65396	VSUCC	0.146	9.804E-05	-0.0094
290	1.30791	VSUCC	0.146	9.804E-05	-0.0094
290	0.	MUERTA CUB	0.0529	-4.290E-04	0.0129
290	0.65396	MUERTA CUB	0.0529	-4.290E-04	0.0129
290	1.30791	MUERTA CUB	0.0529	-4.290E-04	0.0129
291	0.	DEAD	-0.0101	-0.0125	7.871E-04
291	0.65396	DEAD	-0.0086	0.0016	7.871E-04
291	1.30791	DEAD	-0.007	0.0156	7.871E-04
291	0.	VIVA CUB	-0.0104	0.0012	0.0071
291	0.65396	VIVA CUB	-0.0104	0.0012	0.0071
291	1.30791	VIVA CUB	-0.0104	0.0012	0.0071
291	0.	VCOMP	-0.0083	9.735E-04	0.0057
291	0.65396	VCOMP	-0.0083	9.735E-04	0.0057
291	1.30791	VCOMP	-0.0083	9.735E-04	0.0057

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
293	0.	MUERTA CUB	-0.0371	-1.328E-05	0.0068
293	0.65397	MUERTA CUB	-0.0371	-1.328E-05	0.0068
293	1.30794	MUERTA CUB	-0.0371	-1.328E-05	0.0068
294	0.	DEAD	0.1927	-0.0151	-1.238E-05
294	0.65397	DEAD	0.1943	-0.0011	-1.238E-05
294	1.30794	DEAD	0.1958	0.0129	-1.238E-05
294	0.	VIVA CUB	0.1801	-1.559E-04	-3.277E-04
294	0.65397	VIVA CUB	0.1801	-1.559E-04	-3.277E-04
294	1.30794	VIVA CUB	0.1801	-1.559E-04	-3.277E-04
294	0.	VCOMP	0.1441	-1.247E-04	-2.622E-04
294	0.65397	VCOMP	0.1441	-1.247E-04	-2.622E-04
294	1.30794	VCOMP	0.1441	-1.247E-04	-2.622E-04
294	0.	VSUCC	-0.1441	1.247E-04	2.622E-04
294	0.65397	VSUCC	-0.1441	1.247E-04	2.622E-04
294	1.30794	VSUCC	-0.1441	1.247E-04	2.622E-04
294	0.	MUERTA CUB	-0.0594	-2.336E-05	-2.574E-05
294	0.65397	MUERTA CUB	-0.0594	-2.336E-05	-2.574E-05
294	1.30794	MUERTA CUB	-0.0594	-2.336E-05	-2.574E-05
295	0.	DEAD	0.1203	-0.0131	-0.0015
295	0.65397	DEAD	0.1219	9.635E-04	-0.0015
295	1.30794	DEAD	0.1234	0.015	-0.0015
295	0.	VIVA CUB	0.1126	0.0031	-0.0119
295	0.65397	VIVA CUB	0.1126	0.0031	-0.0119
295	1.30794	VIVA CUB	0.1126	0.0031	-0.0119
295	0.	VCOMP	0.0901	0.0025	-0.0095
295	0.65397	VCOMP	0.0901	0.0025	-0.0095
295	1.30794	VCOMP	0.0901	0.0025	-0.0095
295	0.	VSUCC	-0.0901	-0.0025	0.0095
295	0.65397	VSUCC	-0.0901	-0.0025	0.0095
295	1.30794	VSUCC	-0.0901	-0.0025	0.0095
295	0.	MUERTA CUB	-0.0297	-0.0012	-0.0136
295	0.65397	MUERTA CUB	-0.0297	-0.0012	-0.0136
295	1.30794	MUERTA CUB	-0.0297	-0.0012	-0.0136
296	0.	DEAD	0.037	0.	0.
296	0.46629	DEAD	0.032	0.	0.
296	0.93258	DEAD	0.0269	0.	0.
296	0.	VIVA CUB	-0.0041	0.	0.
296	0.46629	VIVA CUB	-0.0041	0.	0.
296	0.93258	VIVA CUB	-0.0041	0.	0.
296	0.	VCOMP	-0.0032	0.	0.
296	0.46629	VCOMP	-0.0032	0.	0.
296	0.93258	VCOMP	-0.0032	0.	0.
296	0.	VSUCC	0.0032	0.	0.
296	0.46629	VSUCC	0.0032	0.	0.
296	0.93258	VSUCC	0.0032	0.	0.
296	0.	MUERTA CUB	7.909E-04	0.	0.
296	0.46629	MUERTA CUB	7.909E-04	0.	0.
296	0.93258	MUERTA CUB	7.909E-04	0.	0.
297	0.	DEAD	0.0196	0.	0.
297	0.46618	DEAD	0.0146	0.	0.
297	0.93235	DEAD	0.0095	0.	0.
297	0.	VIVA CUB	-0.0212	0.	0.
297	0.46618	VIVA CUB	-0.0212	0.	0.
297	0.93235	VIVA CUB	-0.0212	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
297	0.	VCOMP	-0.0169	0.	0.
297	0.46618	VCOMP	-0.0169	0.	0.
297	0.93235	VCOMP	-0.0169	0.	0.
297	0.	VSUCC	0.0169	0.	0.
297	0.46618	VSUCC	0.0169	0.	0.
297	0.93235	VSUCC	0.0169	0.	0.
297	0.	MUERTA CUB	0.016	0.	0.
297	0.46618	MUERTA CUB	0.016	0.	0.
297	0.93235	MUERTA CUB	0.016	0.	0.
298	0.	DEAD	0.0955	0.	0.
298	0.46606	DEAD	0.0905	0.	0.
298	0.93213	DEAD	0.0855	0.	0.
298	0.	VIVA CUB	0.0446	0.	0.
298	0.46606	VIVA CUB	0.0446	0.	0.
298	0.93213	VIVA CUB	0.0446	0.	0.
298	0.	VCOMP	0.0357	0.	0.
298	0.46606	VCOMP	0.0357	0.	0.
298	0.93213	VCOMP	0.0357	0.	0.
298	0.	VSUCC	-0.0357	0.	0.
298	0.46606	VSUCC	-0.0357	0.	0.
298	0.93213	VSUCC	-0.0357	0.	0.
298	0.	MUERTA CUB	-0.0199	0.	0.
298	0.46606	MUERTA CUB	-0.0199	0.	0.
298	0.93213	MUERTA CUB	-0.0199	0.	0.
303	0.	DEAD	3.112E-17	0.	-4.337E-19
303	0.23895	DEAD	5.663E-04	0.0051	-4.337E-19
303	0.47789	DEAD	0.0011	0.0102	-4.337E-19
303	0.	VIVA CUB	2.551E-17	3.469E-18	-1.735E-18
303	0.23895	VIVA CUB	2.551E-17	3.469E-18	-1.735E-18
303	0.47789	VIVA CUB	2.551E-17	3.469E-18	-1.735E-18
303	0.	VCOMP	1.275E-17	1.041E-17	-4.337E-18
303	0.23895	VCOMP	1.275E-17	1.041E-17	-4.337E-18
303	0.47789	VCOMP	1.275E-17	1.041E-17	-4.337E-18
303	0.	VSUCC	-1.275E-17	-1.041E-17	4.337E-18
303	0.23895	VSUCC	-1.275E-17	-1.041E-17	4.337E-18
303	0.47789	VSUCC	-1.275E-17	-1.041E-17	4.337E-18
303	0.	MUERTA CUB	1.275E-17	-5.204E-18	1.735E-18
303	0.23895	MUERTA CUB	1.275E-17	-5.204E-18	1.735E-18
303	0.47789	MUERTA CUB	1.275E-17	-5.204E-18	1.735E-18
304	0.	DEAD	-0.0091	2.962E-06	-0.0019
304	0.46595	DEAD	-0.0086	2.962E-06	-0.0019
304	0.9319	DEAD	-0.0042	2.962E-06	-0.0019
304	0.	VIVA CUB	0.0164	2.756E-05	-0.0047
304	0.46595	VIVA CUB	0.0164	2.756E-05	-0.0047
304	0.9319	VIVA CUB	0.0164	2.756E-05	-0.0047
304	0.	VCOMP	0.0131	2.205E-05	-0.0038
304	0.46595	VCOMP	0.0131	2.205E-05	-0.0038
304	0.9319	VCOMP	0.0131	2.205E-05	-0.0038
304	0.	VSUCC	-0.0131	-2.205E-05	0.0038
304	0.46595	VSUCC	-0.0131	-2.205E-05	0.0038
304	0.9319	VSUCC	-0.0131	-2.205E-05	0.0038
304	0.	MUERTA CUB	-0.0399	2.942E-05	-0.0173
304	0.46595	MUERTA CUB	-0.0399	2.942E-05	-0.0173
304	0.9319	MUERTA CUB	-0.0399	2.942E-05	-0.0173

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
306	0.	DEAD	-0.0368	0.0086	2.497E-04
306	0.46595	DEAD	-0.0318	0.0086	2.497E-04
306	0.9319	DEAD	-0.0288	0.0086	2.497E-04
306	0.	VIVA CUB	-0.1925	0.0093	0.0016
306	0.46595	VIVA CUB	-0.1925	0.0093	0.0016
306	0.9319	VIVA CUB	-0.1925	0.0093	0.0016
306	0.	VCOMP	-0.154	0.0075	0.0013
306	0.46595	VCOMP	-0.154	0.0075	0.0013
306	0.9319	VCOMP	-0.154	0.0075	0.0013
306	0.	VSUCC	0.154	-0.0075	-0.0013
306	0.46595	VSUCC	0.154	-0.0075	-0.0013
306	0.9319	VSUCC	0.154	-0.0075	-0.0013
306	0.	MUERTA CUB	-0.1044	0.0053	0.0023
306	0.46595	MUERTA CUB	-0.1044	0.0053	0.0023
306	0.9319	MUERTA CUB	-0.1044	0.0053	0.0023
307	0.	DEAD	0.1565	0.0081	-1.906E-04
307	0.4664	DEAD	0.1515	0.0081	-1.906E-04
307	0.9328	DEAD	0.1464	0.0081	-1.906E-04
307	0.	VIVA CUB	0.2511	0.0106	-0.0016
307	0.4664	VIVA CUB	0.2511	0.0106	-0.0016
307	0.9328	VIVA CUB	0.2511	0.0106	-0.0016
307	0.	VCOMP	0.2009	0.0085	-0.0013
307	0.4664	VCOMP	0.2009	0.0085	-0.0013
307	0.9328	VCOMP	0.2009	0.0085	-0.0013
307	0.	VSUCC	-0.2009	-0.0085	0.0013
307	0.4664	VSUCC	-0.2009	-0.0085	0.0013
307	0.9328	VSUCC	-0.2009	-0.0085	0.0013
307	0.	MUERTA CUB	0.1427	0.006	-0.0018
307	0.4664	MUERTA CUB	0.1427	0.006	-0.0018
307	0.9328	MUERTA CUB	0.1427	0.006	-0.0018
308	0.	DEAD	-0.094	-0.0191	-1.736E-04
308	0.65396	DEAD	-0.0925	-0.0051	-1.736E-04
308	1.30791	DEAD	-0.0909	0.0089	-1.736E-04
308	0.	VIVA CUB	-0.1851	-0.0093	-7.713E-04
308	0.65396	VIVA CUB	-0.1851	-0.0093	-7.713E-04
308	1.30791	VIVA CUB	-0.1851	-0.0093	-7.713E-04
308	0.	VCOMP	-0.148	-0.0074	-6.170E-04
308	0.65396	VCOMP	-0.148	-0.0074	-6.170E-04
308	1.30791	VCOMP	-0.148	-0.0074	-6.170E-04
308	0.	VSUCC	0.148	0.0074	6.170E-04
308	0.65396	VSUCC	0.148	0.0074	6.170E-04
308	1.30791	VSUCC	0.148	0.0074	6.170E-04
308	0.	MUERTA CUB	-0.1035	-0.0054	-0.0016
308	0.65396	MUERTA CUB	-0.1035	-0.0054	-0.0016
308	1.30791	MUERTA CUB	-0.1035	-0.0054	-0.0016
309	0.	DEAD	-0.3148	-0.0132	-2.523E-05
309	0.65396	DEAD	-0.3133	8.310E-04	-2.523E-05
309	1.30791	DEAD	-0.3117	0.0149	-2.523E-05
309	0.	VIVA CUB	-0.6286	1.431E-04	1.566E-04
309	0.65396	VIVA CUB	-0.6286	1.431E-04	1.566E-04
309	1.30791	VIVA CUB	-0.6286	1.431E-04	1.566E-04
309	0.	VCOMP	-0.5029	1.145E-04	1.253E-04
309	0.65396	VCOMP	-0.5029	1.145E-04	1.253E-04
309	1.30791	VCOMP	-0.5029	1.145E-04	1.253E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
309	0.	VSUCC	0.5029	-1.145E-04	-1.253E-04
309	0.65396	VSUCC	0.5029	-1.145E-04	-1.253E-04
309	1.30791	VSUCC	0.5029	-1.145E-04	-1.253E-04
309	0.	MUERTA CUB	-0.3581	-4.578E-06	-1.532E-04
309	0.65396	MUERTA CUB	-0.3581	-4.578E-06	-1.532E-04
309	1.30791	MUERTA CUB	-0.3581	-4.578E-06	-1.532E-04
310	0.	DEAD	-0.2274	-0.012	-2.015E-04
310	0.65396	DEAD	-0.2258	0.002	-2.015E-04
310	1.30791	DEAD	-0.2243	0.016	-2.015E-04
310	0.	VIVA CUB	-0.4462	5.683E-04	-0.0012
310	0.65396	VIVA CUB	-0.4462	5.683E-04	-0.0012
310	1.30791	VIVA CUB	-0.4462	5.683E-04	-0.0012
310	0.	VCOMP	-0.357	4.547E-04	-9.944E-04
310	0.65396	VCOMP	-0.357	4.547E-04	-9.944E-04
310	1.30791	VCOMP	-0.357	4.547E-04	-9.944E-04
310	0.	VSUCC	0.357	-4.547E-04	9.944E-04
310	0.65396	VSUCC	0.357	-4.547E-04	9.944E-04
310	1.30791	VSUCC	0.357	-4.547E-04	9.944E-04
310	0.	MUERTA CUB	-0.2545	3.786E-04	-0.0019

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
313	0.	VIVA CUB	0.3539	0.0019	-8.054E-04
313	0.65397	VIVA CUB	0.3539	0.0019	-8.054E-04
313	1.30794	VIVA CUB	0.3539	0.0019	-8.054E-04
313	0.	VCOMP	0.2831	0.0015	-6.443E-04
313	0.65397	VCOMP	0.2831	0.0015	-6.443E-04
313	1.30794	VCOMP	0.2831	0.0015	-6.443E-04
313	0.	VSUCC	-0.2831	-0.0015	6.443E-04
313	0.65397	VSUCC	-0.2831	-0.0015	6.443E-04
313	1.30794	VSUCC	-0.2831	-0.0015	6.443E-04
313	0.	MUERTA CUB	0.2011	0.001	-9.679E-04
313	0.65397	MUERTA CUB	0.2011	0.001	-9.679E-04
313	1.30794	MUERTA CUB	0.2011	0.001	-9.679E-04
314	0.	DEAD	0.2277	-0.0151	-1.350E-05
314	0.65397	DEAD	0.2292	-0.0011	-1.350E-05
314	1.30794	DEAD	0.2308	0.0129	-1.350E-05
314	0.	VIVA CUB	0.4536	-2.600E-04	-8.737E-05
314	0.65397	VIVA CUB	0.4536	-2.600E-04	-8.737E-05
314	1.30794	VIVA CUB	0.4536	-2.600E-04	-8.737E-05
314	0.	VCOMP	0.3629	-2.080E-04	-6.990E-05
314	0.65397	VCOMP	0.3629	-2.080E-04	-6.990E-05
314	1.30794	VCOMP	0.3629	-2.080E-04	-6.990E-05
314	0.	VSUCC	-0.3629	2.080E-04	6.990E-05
314	0.65397	VSUCC	-0.3629	2.080E-04	6.990E-05
314	1.30794	VSUCC	-0.3629	2.080E-04	6.990E-05
314	0.	MUERTA CUB	0.2594	-1.400E-04	-1.300E-04
314	0.65397	MUERTA CUB	0.2594	-1.400E-04	-1.300E-04
314	1.30794	MUERTA CUB	0.2594	-1.400E-04	-1.300E-04
315	0.	DEAD	0.1404	-0.0124	2.222E-04
315	0.65397	DEAD	0.1419	0.0016	2.222E-04
315	1.30794	DEAD	0.1435	0.0156	2.222E-04
315	0.	VIVA CUB	0.27	0.0081	0.0016
315	0.65397	VIVA CUB	0.27	0.0081	0.0016
315	1.30794	VIVA CUB	0.27	0.0081	0.0016
315	0.	VCOMP	0.216	0.0065	0.0013
315	0.65397	VCOMP	0.216	0.0065	0.0013
315	1.30794	VCOMP	0.216	0.0065	0.0013
315	0.	VSUCC	-0.216	-0.0065	-0.0013
315	0.65397	VSUCC	-0.216	-0.0065	-0.0013
315	1.30794	VSUCC	-0.216	-0.0065	-0.0013
315	0.	MUERTA CUB	0.1538	0.0047	0.002
315	0.65397	MUERTA CUB	0.1538	0.0047	0.002
315	1.30794	MUERTA CUB	0.1538	0.0047	0.002
316	0.	DEAD	0.0363	0.	0.
316	0.46629	DEAD	0.0313	0.	0.
316	0.93258	DEAD	0.0263	0.	0.
316	0.	VIVA CUB	-0.0093	0.	0.
316	0.46629	VIVA CUB	-0.0093	0.	0.
316	0.93258	VIVA CUB	-0.0093	0.	0.
316	0.	VCOMP	-0.0075	0.	0.
316	0.46629	VCOMP	-0.0075	0.	0.
316	0.93258	VCOMP	-0.0075	0.	0.
316	0.	VSUCC	0.0075	0.	0.
316	0.46629	VSUCC	0.0075	0.	0.
316	0.93258	VSUCC	0.0075	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
316	0.	MUERTA CUB	-0.0053	0.	0.
316	0.46629	MUERTA CUB	-0.0053	0.	0.
316	0.93258	MUERTA CUB	-0.0053	0.	0.
317	0.	DEAD	0.0136	0.	0.
317	0.46618	DEAD	0.0085	0.	0.
317	0.93235	DEAD	0.0035	0.	0.
317	0.	VIVA CUB	-0.0676	0.	0.
317	0.46618	VIVA CUB	-0.0676	0.	0.
317	0.93235	VIVA CUB	-0.0676	0.	0.
317	0.	VCOMP	-0.0541	0.	0.
317	0.46618	VCOMP	-0.0541	0.	0.
317	0.93235	VCOMP	-0.0541	0.	0.
317	0.	VSUCC	0.0541	0.	0.
317	0.46618	VSUCC	0.0541	0.	0.
317	0.93235	VSUCC	0.0541	0.	0.
317	0.	MUERTA CUB	-0.0396	0.	0.
317	0.46618	MUERTA CUB	-0.0396	0.	0.
317	0.93235	MUERTA CUB	-0.0396	0.	0.
318	0.	DEAD	0.1054	0.	0.
318	0.46606	DEAD	0.1004	0.	0.
318	0.93213	DEAD	0.0954	0.	0.
318	0.	VIVA CUB	0.1218	0.	0.
318	0.46606	VIVA CUB	0.1218	0.	0.
318	0.93213	VIVA CUB	0.1218	0.	0.
318	0.	VCOMP	0.0974	0.	0.
318	0.46606	VCOMP	0.0974	0.	0.
318	0.93213	VCOMP	0.0974	0.	0.
318	0.	VSUCC	-0.0974	0.	0.
318	0.46606	VSUCC	-0.0974	0.	0.
318	0.93213	VSUCC	-0.0974	0.	0.
318	0.	MUERTA CUB	0.0701	0.	0.
318	0.46606	MUERTA CUB	0.0701	0.	0.
318	0.93213	MUERTA CUB	0.0701	0.	0.
323	0.	DEAD	5.638E-18	-3.469E-18	4.676E-19
323	0.23895	DEAD	5.663E-04	0.0051	4.676E-19
323	0.47789	DEAD	0.0011	0.0102	4.676E-19
323	0.	VIVA CUB	0.	-2.082E-17	-8.674E-19
323	0.23895	VIVA CUB	0.	-2.082E-17	-8.674E-19
323	0.47789	VIVA CUB	0.	-2.082E-17	-8.674E-19
323	0.	VCOMP	0.	6.939E-18	3.469E-18
323	0.23895	VCOMP	0.	6.939E-18	3.469E-18
323	0.47789	VCOMP	0.	6.939E-18	3.469E-18
323	0.	VSUCC	0.	-6.939E-18	-3.469E-18
323	0.23895	VSUCC	0.	-6.939E-18	-3.469E-18
323	0.47789	VSUCC	0.	-6.939E-18	-3.469E-18
323	0.	MUERTA CUB	0.	-6.939E-18	7.345E-18
323	0.23895	MUERTA CUB	0.	-6.939E-18	7.345E-18
323	0.47789	MUERTA CUB	0.	-6.939E-18	7.345E-18
324	0.	DEAD	-0.0183	1.053E-06	1.674E-04
324	0.46595	DEAD	-0.0138	1.053E-06	1.674E-04
324	0.9319	DEAD	-0.0113	1.053E-06	1.674E-04
324	0.	VIVA CUB	-0.0018	9.799E-06	3.906E-04
324	0.46595	VIVA CUB	-0.0018	9.799E-06	3.906E-04
324	0.9319	VIVA CUB	-0.0018	9.799E-06	3.906E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
324	0.	VCOMP	-0.0015	7.839E-06	3.125E-04
324	0.46595	VCOMP	-0.0015	7.839E-06	3.125E-04
324	0.9319	VCOMP	-0.0015	7.839E-06	3.125E-04
324	0.	VSUCC	0.0015	-7.839E-06	-3.125E-04
324	0.46595	VSUCC	0.0015	-7.839E-06	-3.125E-04
324	0.9319	VSUCC	0.0015	-7.839E-06	-3.125E-04
324	0.	MUERTA CUB	-0.1069	1.046E-05	0.0016
324	0.46595	MUERTA CUB	-0.1069	1.046E-05	0.0016
324	0.9319	MUERTA CUB	-0.1069	1.046E-05	0.0016
326	0.	DEAD	-0.0356	0.0084	-4.285E-05
326	0.46595	DEAD	-0.0306	0.0084	-4.285E-05
326	0.9319	DEAD	-0.0255	0.0084	-4.285E-05
326	0.	VIVA CUB	-0.1816	0.0083	-0.0012
326	0.46595	VIVA CUB	-0.1816	0.0083	-0.0012
326	0.9319	VIVA CUB	-0.1816	0.0083	-0.0012
326	0.	VCOMP	-0.1453	0.0066	-9.565E-04
326	0.46595	VCOMP	-0.1453	0.0066	-9.565E-04
326	0.9319	VCOMP	-0.1453	0.0066	-9.565E-04
326	0.	VSUCC	0.1453	-0.0066	9.565E-04
326	0.46595	VSUCC	0.1453	-0.0066	9.565E-04
326	0.9319	VSUCC	0.1453	-0.0066	9.565E-04
326	0.	MUERTA CUB	-0.093	0.0041	-3.668E-04
326	0.46595	MUERTA CUB	-0.093	0.0041	-3.668E-04
326	0.9319	MUERTA CUB	-0.093	0.0041	-3.668E-04
327	0.	DEAD	0.1531	0.008	2.901E-05
327	0.4664	DEAD	0.1481	0.008	2.901E-05
327	0.9328	DEAD	0.1431	0.008	2.901E-05
327	0.	VIVA CUB	0.2249	0.0096	3.964E-04
327	0.4664	VIVA CUB	0.2249	0.0096	3.964E-04
327	0.9328	VIVA CUB	0.2249	0.0096	3.964E-04
327	0.	VCOMP	0.1799	0.0077	3.171E-04
327	0.4664	VCOMP	0.1799	0.0077	3.171E-04
327	0.9328	VCOMP	0.1799	0.0077	3.171E-04
327	0.	VSUCC	-0.1799	-0.0077	-3.171E-04
327	0.4664	VSUCC	-0.1799	-0.0077	-3.171E-04
327	0.9328	VSUCC	-0.1799	-0.0077	-3.171E-04
327	0.	MUERTA CUB	0.1123	0.0048	2.473E-04
327	0.4664	MUERTA CUB	0.1123	0.0048	2.473E-04
327	0.9328	MUERTA CUB	0.1123	0.0048	2.473E-04
328	0.	DEAD	-0.092	-0.019	-3.723E-05
328	0.65396	DEAD	-0.0905	-0.005	-3.723E-05
328	1.30791	DEAD	-0.0889	0.0091	-3.723E-05
328	0.	VIVA CUB	-0.1694	-0.0081	4.007E-05
328	0.65396	VIVA CUB	-0.1694	-0.0081	4.007E-05
328	1.30791	VIVA CUB	-0.1694	-0.0081	4.007E-05
328	0.	VCOMP	-0.1355	-0.0065	3.205E-05
328	0.65396	VCOMP	-0.1355	-0.0065	3.205E-05
328	1.30791	VCOMP	-0.1355	-0.0065	3.205E-05
328	0.	VSUCC	0.1355	0.0065	-3.205E-05
328	0.65396	VSUCC	0.1355	0.0065	-3.205E-05
328	1.30791	VSUCC	0.1355	0.0065	-3.205E-05
328	0.	MUERTA CUB	-0.0851	-0.004	-3.370E-04
328	0.65396	MUERTA CUB	-0.0851	-0.004	-3.370E-04
328	1.30791	MUERTA CUB	-0.0851	-0.004	-3.370E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
329	0.	DEAD	-0.3063	-0.0132	5.473E-06
329	0.65396	DEAD	-0.3047	8.489E-04	5.473E-06
329	1.30791	DEAD	-0.3032	0.0149	5.473E-06
329	0.	VIVA CUB	-0.5623	2.695E-04	5.577E-04
329	0.65396	VIVA CUB	-0.5623	2.695E-04	5.577E-04
329	1.30791	VIVA CUB	-0.5623	2.695E-04	5.577E-04
329	0.	VCOMP	-0.4499	2.156E-04	4.462E-04
329	0.65396	VCOMP	-0.4499	2.156E-04	4.462E-04
329	1.30791	VCOMP	-0.4499	2.156E-04	4.462E-04
329	0.	VSUCC	0.4499	-2.156E-04	-4.462E-04
329	0.65396	VSUCC	0.4499	-2.156E-04	-4.462E-04
329	1.30791	VSUCC	0.4499	-2.156E-04	-4.462E-04
329	0.	MUERTA CUB	-0.2803	1.650E-04	4.295E-05
329	0.65396	MUERTA CUB	-0.2803	1.650E-04	4.295E-05
329	1.30791	MUERTA CUB	-0.2803	1.650E-04	4.295E-05
330	0.	DEAD	-0.2212	-0.012	2.617E-05
330	0.65396	DEAD	-0.2197	0.002	2.617E-05
330	1.30791	DEAD	-0.2181	0.016	2.617E-05
330	0.	VIVA CUB	-0.3988	3.970E-04	7.218E-04
330	1.30791	VIVA CUB	-0.3988	3.970E-04	7.218E-04
330	0.	VCOMP	-0.319	3.176E-04	5.775E-04
330	0.65396	VCOMP	-0.319	3.176E-04	5.775E-04
330	1.30791	VCOMP	-0.319	3.176E-04	5.775E-04
330	0.	VSUCC	0.319	-3.176E-04	-5.775E-04
330	0.65396	VSUCC	0.319	-3.176E-04	-5.775E-04
330	1.30791	VSUCC	0.319	-3.176E-04	-5.775E-04
330	0.	MUERTA CUB	-0.1987	1.782E-04	2.197E-04
330	0.65396	MUERTA CUB	-0.1987	1.782E-04	2.197E-04
330	1.30791	MUERTA CUB	-0.1987	1.782E-04	2.197E-04
331	0.	DEAD	-0.0098	-0.012	5.280E-05
331	0.65396	DEAD	-0.0083	0.002	5.280E-05
331	1.30791	DEAD	-0.0067	0.018	5.280E-05
331	0.	VIVA CUB	-0.008	0.0046	5.940E-04
331	0.65396	VIVA CUB	-0.008	0.0046	5.940E-04
331	1.30791	VIVA CUB	-0.008	0.0046	5.940E-04
331	0.	VCOMP	-0.0064	0.0037	4.752E-04
331	0.65396	VCOMP	-0.0064	0.0037	4.752E-04
331	1.30791	VCOMP	-0.0064	0.0037	4.752E-04
331	0.	VSUCC	0.0064	-0.0037	-4.752E-04
331	0.65396	VSUCC	0.0064	-0.0037	-4.752E-04
331	1.30791	VSUCC	0.0064	-0.0037	-4.752E-04
331	0.	MUERTA CUB	-0.0043	0.002	4.691E-04
331	0.65396	MUERTA CUB	-0.0041	0.0022	4.691E-04
331	1.30791	MUERTA CUB	-0.0041	0.0022	4.691E-04
332	0.	DEAD	0.1746	-0.0157	9.120E-06
332	0.65397	DEAD	0.1762	-0.0017	9.120E-06
332	1.30794	DEAD	0.1777	0.0124	9.120E-06
332	0.	VIVA CUB	0.3161	-0.0067	1.595E-04
332	0.65397	VIVA CUB	0.3161	-0.0061	1.595E-04
332	1.30794	VIVA CUB	0.3161	-0.0067	1.595E-04
332	0.	VCOMP	0.2529	-0.0053	1.276E-04
332	0.65397	VCOMP	0.2529	-0.0053	1.276E-04
332	1.30794	VCOMP	0.2529	-0.0053	1.276E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
332	0.	VSUCC	-0.2529	0.0053	-1.276E-04
332	0.65397	VSUCC	-0.2529	0.0053	-1.276E-04
332	1.30794	VSUCC	-0.2529	0.0053	-1.276E-04
332	0.	MUERTA CUB	0.1578	-0.0033	7.728E-05
332	0.65397	MUERTA CUB	0.1578	-0.0033	7.728E-05
332	1.30794	MUERTA CUB	0.1578	-0.0033	7.728E-05
333	0.	DEAD	0.1748	-0.0139	9.120E-06
333	0.65397	DEAD	0.1764	1.567E-04	9.120E-06
333	1.30794	DEAD	0.1779	0.0142	9.120E-06
333	0.	VIVA CUB	0.317	0.0017	1.595E-04
333	0.65397	VIVA CUB	0.317	0.0017	1.595E-04
333	1.30794	VIVA CUB	0.317	0.0017	1.595E-04
333	0.	VCOMP	0.2536	0.0014	1.276E-04
333	0.65397	VCOMP	0.2536	0.0014	1.276E-04
333	1.30794	VCOMP	0.2536	0.0014	1.276E-04
333	0.	VSUCC	-0.2536	-0.0014	-1.276E-04
333	0.65397	VSUCC	-0.2536	-0.0014	-1.276E-04
333	1.30794	VSUCC	-0.2536	-0.0014	-1.276E-04
333	0.	MUERTA CUB	0.1583	8.653E-04	7.728E-05
333	0.65397	MUERTA CUB	0.1583	8.653E-04	7.728E-05
333	1.30794	MUERTA CUB	0.1583	8.653E-04	7.728E-05
334	0.	DEAD	0.2213	-0.0151	-2.505E-06
334	0.65397	DEAD	0.2229	-0.0011	-2.505E-06
334	1.30794	DEAD	0.2244	0.0129	-2.505E-06
334	0.	VIVA CUB	0.404	-2.504E-04	-4.729E-05
334	0.65397	VIVA CUB	0.404	-2.504E-04	-4.729E-05
334	1.30794	VIVA CUB	0.404	-2.504E-04	-4.729E-05
334	0.	VCOMP	0.3232	-2.003E-04	-3.783E-05
334	0.65397	VCOMP	0.3232	-2.003E-04	-3.783E-05
334	1.30794	VCOMP	0.3232	-2.003E-04	-3.783E-05
334	0.	VSUCC	-0.3232	2.003E-04	3.783E-05
334	0.65397	VSUCC	-0.3232	2.003E-04	3.783E-05
334	1.30794	VSUCC	-0.3232	2.003E-04	3.783E-05
334	0.	MUERTA CUB	0.2011	-1.298E-04	-2.108E-05
334	0.65397	MUERTA CUB	0.2011	-1.298E-04	-2.108E-05
334	1.30794	MUERTA CUB	0.2011	-1.298E-04	-2.108E-05
335	0.	DEAD	0.1368	-0.0125	-1.611E-05
335	0.65397	DEAD	0.1383	0.0015	-1.611E-05
335	1.30794	DEAD	0.1399	0.0155	-1.611E-05
335	0.	VIVA CUB	0.2419	0.0072	-3.678E-04
335	0.65397	VIVA CUB	0.2419	0.0072	-3.678E-04
335	1.30794	VIVA CUB	0.2419	0.0072	-3.678E-04
335	0.	VCOMP	0.1935	0.0058	-2.943E-04
335	0.65397	VCOMP	0.1935	0.0058	-2.943E-04
335	1.30794	VCOMP	0.1935	0.0058	-2.943E-04
335	0.	VSUCC	-0.1935	-0.0058	2.943E-04
335	0.65397	VSUCC	-0.1935	-0.0058	2.943E-04
335	1.30794	VSUCC	-0.1935	-0.0058	2.943E-04
335	0.	MUERTA CUB	0.1207	0.0036	-1.366E-04
335	0.65397	MUERTA CUB	0.1207	0.0036	-1.366E-04
335	1.30794	MUERTA CUB	0.1207	0.0036	-1.366E-04
336	0.	DEAD	0.0365	0.	0.
336	0.46629	DEAD	0.0314	0.	0.
336	0.93258	DEAD	0.0264	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
336	0.	VIVA CUB	-0.0084	0.	0.
336	0.46629	VIVA CUB	-0.0084	0.	0.
336	0.93258	VIVA CUB	-0.0084	0.	0.
336	0.	VCOMP	-0.0067	0.	0.
336	0.46629	VCOMP	-0.0067	0.	0.
336	0.93258	VCOMP	-0.0067	0.	0.
336	0.	VSUCC	0.0067	0.	0.
336	0.46629	VSUCC	0.0067	0.	0.
336	0.93258	VSUCC	0.0067	0.	0.
336	0.	MUERTA CUB	-0.0042	0.	0.
336	0.46629	MUERTA CUB	-0.0042	0.	0.
336	0.93258	MUERTA CUB	-0.0042	0.	0.
337	0.	DEAD	0.0147	0.	0.
337	0.46618	DEAD	0.0097	0.	0.
337	0.93235	DEAD	0.0047	0.	0.
337	0.	VIVA CUB	-0.0588	0.	0.
337	0.46618	VIVA CUB	-0.0588	0.	0.
337	0.93235	VIVA CUB	-0.0588	0.	0.
337	0.	VCOMP	-0.0471	0.	0.
337	0.46618	VCOMP	-0.0471	0.	0.
337	0.93235	VCOMP	-0.0471	0.	0.
337	0.	VSUCC	0.0471	0.	0.
337	0.46618	VSUCC	0.0471	0.	0.
337	0.93235	VSUCC	0.0471	0.	0.
337	0.	MUERTA CUB	-0.0289	0.	0.
337	0.46618	MUERTA CUB	-0.0289	0.	0.
337	0.93235	MUERTA CUB	-0.0289	0.	0.
338	0.	DEAD	0.1036	0.	0.
338	0.46606	DEAD	0.0986	0.	0.
338	0.93213	DEAD	0.0935	0.	0.
338	0.	VIVA CUB	0.1074	0.	0.
338	0.46606	VIVA CUB	0.1074	0.	0.
338	0.93213	VIVA CUB	0.1074	0.	0.
338	0.	VCOMP	0.086	0.	0.
338	0.46606	VCOMP	0.086	0.	0.
338	0.93213	VCOMP	0.086	0.	0.
338	0.	VSUCC	-0.086	0.	0.
338	0.46606	VSUCC	-0.086	0.	0.
338	0.93213	VSUCC	-0.086	0.	0.
338	0.	MUERTA CUB	0.0533	0.	0.
338	0.46606	MUERTA CUB	0.0533	0.	0.
338	0.93213	MUERTA CUB	0.0533	0.	0.
343	0.	DEAD	3.112E-17	3.469E-18	-4.066E-20
343	0.23895	DEAD	5.663E-04	0.0051	-4.066E-20
343	0.47789	DEAD	0.0011	0.0102	-4.066E-20
343	0.	VIVA CUB	1.020E-16	-1.388E-17	8.674E-19
343	0.23895	VIVA CUB	1.020E-16	-1.388E-17	8.674E-19
343	0.47789	VIVA CUB	1.020E-16	-1.388E-17	8.674E-19
343	0.	VCOMP	1.020E-16	-1.388E-17	-8.674E-19
343	0.23895	VCOMP	1.020E-16	-1.388E-17	-8.674E-19
343	0.47789	VCOMP	1.020E-16	-1.388E-17	-8.674E-19
343	0.	VSUCC	-1.020E-16	1.388E-17	8.674E-19
343	0.23895	VSUCC	-1.020E-16	1.388E-17	8.674E-19
343	0.47789	VSUCC	-1.020E-16	1.388E-17	8.674E-19

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
343	0.	MUERTA CUB	2.551E-17	3.469E-18	2.168E-19
343	0.23895	MUERTA CUB	2.551E-17	3.469E-18	2.168E-19
343	0.47789	MUERTA CUB	2.551E-17	3.469E-18	2.168E-19
344	0.	DEAD	-0.0153	5.125E-08	-5.396E-05
344	0.46595	DEAD	-0.0129	5.125E-08	-5.396E-05
344	0.9319	DEAD	-0.0104	5.125E-08	-5.396E-05
344	0.	VIVA CUB	5.145E-04	4.768E-07	-1.393E-04
344	0.46595	VIVA CUB	5.145E-04	4.768E-07	-1.393E-04
344	0.9319	VIVA CUB	5.145E-04	4.768E-07	-1.393E-04
344	0.	VCOMP	4.116E-04	3.814E-07	-1.114E-04
344	0.46595	VCOMP	4.116E-04	3.814E-07	-1.114E-04
344	0.9319	VCOMP	4.116E-04	3.814E-07	-1.114E-04
344	0.	VSUCC	-4.116E-04	-3.814E-07	1.114E-04
344	0.46595	VSUCC	-4.116E-04	-3.814E-07	1.114E-04
344	0.9319	VSUCC	-4.116E-04	-3.814E-07	1.114E-04
344	0.	MUERTA CUB	-0.0982	5.091E-07	-5.041E-04
344	0.46595	MUERTA CUB	-0.0982	5.091E-07	-5.041E-04
344	0.9319	MUERTA CUB	-0.0982	5.091E-07	-5.041E-04
346	0.	DEAD	-0.0396	0.0086	-2.334E-04
346	0.46595	DEAD	-0.0316	0.0086	-2.334E-04
346	0.9319	DEAD	-0.0266	0.0086	-2.334E-04
346	0.	VIVA CUB	-0.1896	0.0092	-0.0025
346	0.46595	VIVA CUB	-0.1896	0.0092	-0.0025
346	0.9319	VIVA CUB	-0.1896	0.0092	-0.0025
346	0.	VCOMP	-0.1517	0.0073	-0.002
346	0.46595	VCOMP	-0.1517	0.0073	-0.002
346	0.9319	VCOMP	-0.1517	0.0073	-0.002
346	0.	VSUCC	0.1517	-0.0073	0.002
346	0.46595	VSUCC	0.1517	-0.0073	0.002
346	0.9319	VSUCC	0.1517	-0.0073	0.002
346	0.	MUERTA CUB	-0.1025	0.0052	-0.0021
346	0.46595	MUERTA CUB	-0.1025	0.0052	-0.0021
346	0.9319	MUERTA CUB	-0.1025	0.0052	-0.0021
347	0.	DEAD	0.1562	0.0081	1.977E-04
347	0.4664	DEAD	0.1512	0.0081	1.977E-04
347	0.9328	DEAD	0.1461	0.0081	1.977E-04
347	0.	VIVA CUB	0.2462	0.0105	0.0016
347	0.4664	VIVA CUB	0.2462	0.0105	0.0016
347	0.9328	VIVA CUB	0.2462	0.0105	0.0016
347	0.	VCOMP	0.197	0.0084	0.0012
347	0.4664	VCOMP	0.197	0.0084	0.0012
347	0.9328	VCOMP	0.197	0.0084	0.0012
347	0.	VSUCC	-0.197	-0.0084	-0.0012
347	0.4664	VSUCC	-0.197	-0.0084	-0.0012
347	0.9328	VSUCC	-0.197	-0.0084	-0.0012
347	0.	MUERTA CUB	0.1401	0.006	0.0019
347	0.4664	MUERTA CUB	0.1401	0.006	0.0019
347	0.9328	MUERTA CUB	0.1401	0.006	0.0019
348	0.	DEAD	-0.0939	-0.0191	9.429E-05
348	0.65396	DEAD	-0.0923	-0.0051	9.429E-05
348	1.30791	DEAD	-0.0908	0.0089	9.429E-05
348	0.	VIVA CUB	-0.1823	-0.009	8.393E-04
348	0.65396	VIVA CUB	-0.1823	-0.009	8.393E-04
348	1.30791	VIVA CUB	-0.1823	-0.009	8.393E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
348	0.	VCOMP	-0.1459	-0.0072	6.714E-04
348	0.65396	VCOMP	-0.1459	-0.0072	6.714E-04
348	1.30791	VCOMP	-0.1459	-0.0072	6.714E-04
348	0.	VSUCC	0.1459	0.0072	-6.714E-04
348	0.65396	VSUCC	0.1459	0.0072	-6.714E-04
348	1.30791	VSUCC	0.1459	0.0072	-6.714E-04
348	0.	MUERTA CUB	-0.1021	-0.0051	8.554E-04
348	0.65396	MUERTA CUB	-0.1021	-0.0051	8.554E-04
348	1.30791	MUERTA CUB	-0.1021	-0.0051	8.554E-04
349	0.	DEAD	-0.3141	-0.0132	2.398E-05
349	0.65396	DEAD	-0.3126	8.307E-04	2.398E-05
349	1.30791	DEAD	-0.311	0.0149	2.398E-05
349	0.	VIVA CUB	-0.6168	1.468E-04	7.006E-04
349	0.65396	VIVA CUB	-0.6168	1.468E-04	7.006E-04
349	1.30791	VIVA CUB	-0.6168	1.468E-04	7.006E-04
349	0.	VCOMP	-0.4934	1.174E-04	5.605E-04
349	0.65396	VCOMP	-0.4934	1.174E-04	5.605E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
352	0.	DEAD	0.1789	-0.0158	1.000E-04
352	0.65397	DEAD	0.1805	-0.0017	1.000E-04
352	1.30794	DEAD	0.182	0.0123	1.000E-04
352	0.	VIVA CUB	0.3461	-0.0073	7.664E-04
352	0.65397	VIVA CUB	0.3461	-0.0073	7.664E-04
352	1.30794	VIVA CUB	0.3461	-0.0073	7.664E-04
352	0.	VCOMP	0.2769	-0.0058	6.131E-04
352	0.65397	VCOMP	0.2769	-0.0058	6.131E-04
352	1.30794	VCOMP	0.2769	-0.0058	6.131E-04
352	0.	VSUCC	-0.2769	0.0058	-6.131E-04
352	0.65397	VSUCC	-0.2769	0.0058	-6.131E-04
352	1.30794	VSUCC	-0.2769	0.0058	-6.131E-04
352	0.	MUERTA CUB	0.197	-0.0041	9.314E-04
352	0.65397	MUERTA CUB	0.197	-0.0041	9.314E-04
352	1.30794	MUERTA CUB	0.197	-0.0041	9.314E-04
353	0.	DEAD	0.1791	-0.0138	1.000E-04
353	0.65397	DEAD	0.1807	1.733E-04	1.000E-04
353	1.30794	DEAD	0.1822	0.0142	1.000E-04
353	0.	VIVA CUB	0.3471	0.0018	7.664E-04
353	0.65397	VIVA CUB	0.3471	0.0018	7.664E-04
353	1.30794	VIVA CUB	0.3471	0.0018	7.664E-04
353	0.	VCOMP	0.2777	0.0015	6.131E-04
353	0.65397	VCOMP	0.2777	0.0015	6.131E-04
353	1.30794	VCOMP	0.2777	0.0015	6.131E-04
353	0.	VSUCC	-0.2777	-0.0015	-6.131E-04
353	0.65397	VSUCC	-0.2777	-0.0015	-6.131E-04
353	1.30794	VSUCC	-0.2777	-0.0015	-6.131E-04
353	0.	MUERTA CUB	0.1976	0.001	9.314E-04
353	0.65397	MUERTA CUB	0.1976	0.001	9.314E-04
353	1.30794	MUERTA CUB	0.1976	0.001	9.314E-04
354	0.	DEAD	0.2272	-0.0151	1.221E-05
354	0.65397	DEAD	0.2287	-0.0011	1.221E-05
354	1.30794	DEAD	0.2303	0.0129	1.221E-05
354	0.	VIVA CUB	0.4448	-2.554E-04	4.827E-05
354	0.65397	VIVA CUB	0.4448	-2.554E-04	4.827E-05
354	1.30794	VIVA CUB	0.4448	-2.554E-04	4.827E-05
354	0.	VCOMP	0.3559	-2.043E-04	3.862E-05
354	0.65397	VCOMP	0.3559	-2.043E-04	3.862E-05
354	1.30794	VCOMP	0.3559	-2.043E-04	3.862E-05
354	0.	VSUCC	-0.3559	2.043E-04	-3.862E-05
354	0.65397	VSUCC	-0.3559	2.043E-04	-3.862E-05
354	1.30794	VSUCC	-0.3559	2.043E-04	-3.862E-05
354	0.	MUERTA CUB	0.2547	-1.351E-04	1.194E-04
354	0.65397	MUERTA CUB	0.2547	-1.351E-04	1.194E-04
354	1.30794	MUERTA CUB	0.2547	-1.351E-04	1.194E-04
355	0.	DEAD	0.1401	-0.0124	-2.108E-04
355	0.65397	DEAD	0.1416	0.0016	-2.108E-04
355	1.30794	DEAD	0.1432	0.0156	-2.108E-04
355	0.	VIVA CUB	0.2651	0.008	-0.0016
355	0.65397	VIVA CUB	0.2651	0.008	-0.0016
355	1.30794	VIVA CUB	0.2651	0.008	-0.0016
355	0.	VCOMP	0.2121	0.0064	-0.0013
355	0.65397	VCOMP	0.2121	0.0064	-0.0013
355	1.30794	VCOMP	0.2121	0.0064	-0.0013

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
355	0.	VSUCC	-0.2121	-0.0064	0.0013
355	0.65397	VSUCC	-0.2121	-0.0064	0.0013
355	1.30794	VSUCC	-0.2121	-0.0064	0.0013
355	0.	MUERTA CUB	0.1511	0.0046	-0.0019
355	0.65397	MUERTA CUB	0.1511	0.0046	-0.0019
355	1.30794	MUERTA CUB	0.1511	0.0046	-0.0019
356	0.	DEAD	0.0363	0.	0.
356	0.46629	DEAD	0.0313	0.	0.
356	0.93258	DEAD	0.0263	0.	0.
356	0.	VIVA CUB	-0.0092	0.	0.
356	0.46629	VIVA CUB	-0.0092	0.	0.
356	0.93258	VIVA CUB	-0.0092	0.	0.
356	0.	VCOMP	-0.0073	0.	0.
356	0.46629	VCOMP	-0.0073	0.	0.
356	0.93258	VCOMP	-0.0073	0.	0.
356	0.	VSUCC	0.0073	0.	0.
356	0.46629	VSUCC	0.0073	0.	0.
356	0.93258	VSUCC	0.0073	0.	0.
356	0.	MUERTA CUB	-0.0052	0.	0.
356	0.46629	MUERTA CUB	-0.0052	0.	0.
356	0.93258	MUERTA CUB	-0.0052	0.	0.
357	0.	DEAD	0.0136	0.	0.
357	0.46618	DEAD	0.0086	0.	0.
357	0.93235	DEAD	0.0036	0.	0.
357	0.	VIVA CUB	-0.0663	0.	0.
357	0.46618	VIVA CUB	-0.0663	0.	0.
357	0.93235	VIVA CUB	-0.0663	0.	0.
357	0.	VCOMP	-0.053	0.	0.
357	0.46618	VCOMP	-0.053	0.	0.
357	0.93235	VCOMP	-0.053	0.	0.
357	0.	VSUCC	0.053	0.	0.
357	0.46618	VSUCC	0.053	0.	0.
357	0.93235	VSUCC	0.053	0.	0.
357	0.	MUERTA CUB	-0.0388	0.	0.
357	0.46618	MUERTA CUB	-0.0388	0.	0.
357	0.93235	MUERTA CUB	-0.0388	0.	0.
358	0.	DEAD	0.1053	0.	0.
358	0.46606	DEAD	0.1003	0.	0.
358	0.93213	DEAD	0.0952	0.	0.
358	0.	VIVA CUB	0.1192	0.	0.
358	0.46606	VIVA CUB	0.1192	0.	0.
358	0.93213	VIVA CUB	0.1192	0.	0.
358	0.	VCOMP	0.0954	0.	0.
358	0.46606	VCOMP	0.0954	0.	0.
358	0.93213	VCOMP	0.0954	0.	0.
358	0.	VSUCC	-0.0954	0.	0.
358	0.46606	VSUCC	-0.0954	0.	0.
358	0.93213	VSUCC	-0.0954	0.	0.
358	0.	MUERTA CUB	0.0687	0.	0.
358	0.46606	MUERTA CUB	0.0687	0.	0.
358	0.93213	MUERTA CUB	0.0687	0.	0.
363	0.	DEAD	3.112E-17	-3.469E-18	-9.487E-20
363	0.23895	DEAD	5.663E-04	0.0051	-9.487E-20
363	0.47789	DEAD	0.0011	0.0102	-9.487E-20

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
363	0.	VIVA CUB	1.020E-16	-6.939E-18	-2.602E-18
363	0.23895	VIVA CUB	1.020E-16	-6.939E-18	-2.602E-18
363	0.47789	VIVA CUB	1.020E-16	-6.939E-18	-2.602E-18
363	0.	VCOMP	5.101E-17	-1.388E-17	2.602E-18
363	0.23895	VCOMP	5.101E-17	-1.388E-17	2.602E-18
363	0.47789	VCOMP	5.101E-17	-1.388E-17	2.602E-18
363	0.	VSUCC	-5.101E-17	1.388E-17	-2.602E-18
363	0.23895	VSUCC	-5.101E-17	1.388E-17	-2.602E-18
363	0.47789	VSUCC	-5.101E-17	1.388E-17	-2.602E-18
363	0.	MUERTA CUB	5.101E-17	-6.939E-18	-3.578E-18
363	0.23895	MUERTA CUB	5.101E-17	-6.939E-18	-3.578E-18
363	0.47789	MUERTA CUB	5.101E-17	-6.939E-18	-3.578E-18
364	0.	DEAD	-0.0161	-7.584E-07	-1.896E-04
364	0.46595	DEAD	-0.0136	-7.584E-07	-1.896E-04
364	0.9319	DEAD	-0.0111	-7.584E-07	-1.896E-04
364	0.	VIVA CUB	-0.0016	-7.055E-06	-5.492E-04
364	0.46595	VIVA CUB	-0.0016	-7.055E-06	-5.492E-04
364	0.9319	VIVA CUB	-0.0016	-7.055E-06	-5.492E-04
364	0.	VCOMP	-0.0013	-5.644E-06	-4.394E-04
364	0.46595	VCOMP	-0.0013	-5.644E-06	-4.394E-04
364	0.9319	VCOMP	-0.0013	-5.644E-06	-4.394E-04
364	0.	VSUCC	0.0013	5.644E-06	4.394E-04
364	0.46595	VSUCC	0.0013	5.644E-06	4.394E-04
364	0.9319	VSUCC	0.0013	5.644E-06	4.394E-04
364	0.	MUERTA CUB	-0.105	-7.533E-06	-0.0018
364	0.46595	MUERTA CUB	-0.105	-7.533E-06	-0.0018
364	0.9319	MUERTA CUB	-0.105	-7.533E-06	-0.0018
366	0.	DEAD	-0.0306	0.008	0.0019
366	0.46595	DEAD	-0.0256	0.008	0.0019
366	0.9319	DEAD	-0.0206	0.008	0.0019
366	0.	VIVA CUB	-0.1435	0.0054	0.0142
366	0.46595	VIVA CUB	-0.1435	0.0054	0.0142
366	0.9319	VIVA CUB	-0.1435	0.0054	0.0142
366	0.	VCOMP	-0.1148	0.0043	0.0113
366	0.46595	VCOMP	-0.1148	0.0043	0.0113
366	0.9319	VCOMP	-0.1148	0.0043	0.0113
366	0.	VSUCC	0.1148	-0.0043	-0.0113
366	0.46595	VSUCC	0.1148	-0.0043	-0.0113
366	0.9319	VSUCC	0.1148	-0.0043	-0.0113
366	0.	MUERTA CUB	-0.0475	2.045E-04	0.0177
366	0.46595	MUERTA CUB	-0.0475	2.045E-04	0.0177
366	0.9319	MUERTA CUB	-0.0475	2.045E-04	0.0177
367	0.	DEAD	0.1425	0.0074	-0.0015
367	0.4664	DEAD	0.1375	0.0074	-0.0015
367	0.9328	DEAD	0.1324	0.0074	-0.0015
367	0.	VIVA CUB	0.1538	0.0058	-0.0096
367	0.4664	VIVA CUB	0.1538	0.0058	-0.0096
367	0.9328	VIVA CUB	0.1538	0.0058	-0.0096
367	0.	VCOMP	0.123	0.0047	-0.0077
367	0.4664	VCOMP	0.123	0.0047	-0.0077
367	0.9328	VCOMP	0.123	0.0047	-0.0077
367	0.	VSUCC	-0.123	-0.0047	0.0077
367	0.4664	VSUCC	-0.123	-0.0047	0.0077
367	0.9328	VSUCC	-0.123	-0.0047	0.0077

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
367	0.	MUERTA CUB	0.0154	-3.942E-04	-0.0134
367	0.4664	MUERTA CUB	0.0154	-3.942E-04	-0.0134
367	0.9328	MUERTA CUB	0.0154	-3.942E-04	-0.0134
368	0.	DEAD	-0.0853	-0.0187	5.751E-04
368	0.65396	DEAD	-0.0838	-0.0047	5.751E-04
368	1.30791	DEAD	-0.0822	0.0093	5.751E-04
368	0.	VIVA CUB	-0.1245	-0.0063	0.0038
368	0.65396	VIVA CUB	-0.1245	-0.0063	0.0038
368	1.30791	VIVA CUB	-0.1245	-0.0063	0.0038
368	0.	VCOMP	-0.0996	-0.005	0.0031
368	0.65396	VCOMP	-0.0996	-0.005	0.0031
368	1.30791	VCOMP	-0.0996	-0.005	0.0031
368	0.	VSUCC	0.0996	0.005	-0.0031
368	0.65396	VSUCC	0.0996	0.005	-0.0031
368	1.30791	VSUCC	0.0996	0.005	-0.0031
368	0.	MUERTA CUB	-0.0239	-0.0016	0.0053
368	0.65396	MUERTA CUB	-0.0239	-0.0016	0.0053
368	1.30791	MUERTA CUB	-0.0239	-0.0016	0.0053
369	0.	DEAD	-0.2793	0.0131	-7.1

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
371	0.	VCOMP	-0.0078	0.002	-0.0034
371	0.65396	VCOMP	-0.0078	0.002	-0.0034
371	1.30791	VCOMP	-0.0078	0.002	-0.0034
371	0.	VSUCC	0.0078	-0.002	0.0034
371	0.65396	VSUCC	0.0078	-0.002	0.0034
371	1.30791	VSUCC	0.0078	-0.002	0.0034
371	0.	MUERTA CUB	-0.0059	-6.333E-04	-0.0056
371	0.65396	MUERTA CUB	-0.0059	-6.333E-04	-0.0056
371	1.30791	MUERTA CUB	-0.0059	-6.333E-04	-0.0056
372	0.	DEAD	0.1596	-0.0154	-6.523E-04
372	0.65397	DEAD	0.1611	-0.0013	-6.523E-04
372	1.30794	DEAD	0.1627	0.0127	-6.523E-04
372	0.	VIVA CUB	0.2155	-0.0045	-0.0042
372	0.65397	VIVA CUB	0.2155	-0.0045	-0.0042
372	1.30794	VIVA CUB	0.2155	-0.0045	-0.0042
372	0.	VCOMP	0.1724	-0.0036	-0.0034
372	0.65397	VCOMP	0.1724	-0.0036	-0.0034
372	1.30794	VCOMP	0.1724	-0.0036	-0.0034
372	0.	VSUCC	-0.1724	0.0036	0.0034
372	0.65397	VSUCC	-0.1724	0.0036	0.0034
372	1.30794	VSUCC	-0.1724	0.0036	0.0034
372	0.	MUERTA CUB	0.0207	-4.301E-04	-0.0059
372	0.65397	MUERTA CUB	0.0207	-4.301E-04	-0.0059
372	1.30794	MUERTA CUB	0.0207	-4.301E-04	-0.0059
373	0.	DEAD	0.1597	-0.0139	-6.523E-04
373	0.65397	DEAD	0.1613	8.979E-05	-6.523E-04
373	1.30794	DEAD	0.1628	0.0141	-6.523E-04
373	0.	VIVA CUB	0.2161	0.0013	-0.0042
373	0.65397	VIVA CUB	0.2161	0.0013	-0.0042
373	1.30794	VIVA CUB	0.2161	0.0013	-0.0042
373	0.	VCOMP	0.1729	0.001	-0.0034
373	0.65397	VCOMP	0.1729	0.001	-0.0034
373	1.30794	VCOMP	0.1729	0.001	-0.0034
373	0.	VSUCC	-0.1729	-0.001	0.0034
373	0.65397	VSUCC	-0.1729	-0.001	0.0034
373	1.30794	VSUCC	-0.1729	-0.001	0.0034
373	0.	MUERTA CUB	0.0208	2.607E-04	-0.0059
373	0.65397	MUERTA CUB	0.0208	2.607E-04	-0.0059
373	1.30794	MUERTA CUB	0.0208	2.607E-04	-0.0059
374	0.	DEAD	0.2012	-0.0151	-1.580E-05
374	0.65397	DEAD	0.2027	-0.0011	-1.580E-05
374	1.30794	DEAD	0.2043	0.0129	-1.580E-05
374	0.	VIVA CUB	0.2692	-2.032E-04	-7.916E-05
374	0.65397	VIVA CUB	0.2692	-2.032E-04	-7.916E-05
374	1.30794	VIVA CUB	0.2692	-2.032E-04	-7.916E-05
374	0.	VCOMP	0.2153	-1.626E-04	-6.333E-05
374	0.65397	VCOMP	0.2153	-1.626E-04	-6.333E-05
374	1.30794	VCOMP	0.2153	-1.626E-04	-6.333E-05
374	0.	VSUCC	-0.2153	1.626E-04	6.333E-05
374	0.65397	VSUCC	-0.2153	1.626E-04	6.333E-05
374	1.30794	VSUCC	-0.2153	1.626E-04	6.333E-05
374	0.	MUERTA CUB	0.0168	-6.775E-05	-2.196E-04
374	0.65397	MUERTA CUB	0.0168	-6.775E-05	-2.196E-04
374	1.30794	MUERTA CUB	0.0168	-6.775E-05	-2.196E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
375	0.	DEAD	0.1252	-0.0129	0.0013
375	0.65397	DEAD	0.1267	0.0011	0.0013
375	1.30794	DEAD	0.1283	0.0151	0.0013
375	0.	VIVA CUB	0.1643	0.0047	0.0085
375	0.65397	VIVA CUB	0.1643	0.0047	0.0085
375	1.30794	VIVA CUB	0.1643	0.0047	0.0085
375	0.	VCOMP	0.1315	0.0038	0.0068
375	0.65397	VCOMP	0.1315	0.0038	0.0068
375	1.30794	VCOMP	0.1315	0.0038	0.0068
375	0.	VSUCC	-0.1315	-0.0038	-0.0068
375	0.65397	VSUCC	-0.1315	-0.0038	-0.0068
375	1.30794	VSUCC	-0.1315	-0.0038	-0.0068
375	0.	MUERTA CUB	0.0145	1.887E-04	0.0118
375	0.65397	MUERTA CUB	0.0145	1.887E-04	0.0118
375	1.30794	MUERTA CUB	0.0145	1.887E-04	0.0118
376	0.	DEAD	0.0368	0.	0.
376	0.46629	DEAD	0.0318	0.	0.
376	0.93258	DEAD	0.0268	0.	0.
376	0.	VIVA CUB	-0.0058	0.	0.
376	0.46629	VIVA CUB	-0.0058	0.	0.
376	0.93258	VIVA CUB	-0.0058	0.	0.
376	0.	VCOMP	-0.0047	0.	0.
376	0.46629	VCOMP	-0.0047	0.	0.
376	0.93258	VCOMP	-0.0047	0.	0.
376	0.	VSUCC	0.0047	0.	0.
376	0.46629	VSUCC	0.0047	0.	0.
376	0.93258	VSUCC	0.0047	0.	0.
376	0.	MUERTA CUB	-6.950E-04	0.	0.
376	0.46629	MUERTA CUB	-6.950E-04	0.	0.
376	0.93258	MUERTA CUB	-6.950E-04	0.	0.
377	0.	DEAD	0.0182	0.	0.
377	0.46618	DEAD	0.0132	0.	0.
377	0.93235	DEAD	0.0082	0.	0.
377	0.	VIVA CUB	-0.0354	0.	0.
377	0.46618	VIVA CUB	-0.0354	0.	0.
377	0.93235	VIVA CUB	-0.0354	0.	0.
377	0.	VCOMP	-0.0283	0.	0.
377	0.46618	VCOMP	-0.0283	0.	0.
377	0.93235	VCOMP	-0.0283	0.	0.
377	0.	VSUCC	0.0283	0.	0.
377	0.46618	VSUCC	0.0283	0.	0.
377	0.93235	VSUCC	0.0283	0.	0.
377	0.	MUERTA CUB	0.0034	0.	0.
377	0.46618	MUERTA CUB	0.0034	0.	0.
377	0.93235	MUERTA CUB	0.0034	0.	0.
378	0.	DEAD	0.0979	0.	0.
378	0.46606	DEAD	0.0929	0.	0.
378	0.93213	DEAD	0.0878	0.	0.
378	0.	VIVA CUB	0.0694	0.	0.
378	0.46606	VIVA CUB	0.0694	0.	0.
378	0.93213	VIVA CUB	0.0694	0.	0.
378	0.	VCOMP	0.0555	0.	0.
378	0.46606	VCOMP	0.0555	0.	0.
378	0.93213	VCOMP	0.0555	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
378	0.	VSUCC	-0.0555	0.	0.
378	0.46606	VSUCC	-0.0555	0.	0.
378	0.93213	VSUCC	-0.0555	0.	0.
378	0.	MUERTA CUB	0.0013	0.	0.
378	0.46606	MUERTA CUB	0.0013	0.	0.
378	0.93213	MUERTA CUB	0.0013	0.	0.
383	0.	DEAD	3.112E-17	0.	-7.589E-19
383	0.23895	DEAD	5.663E-04	0.0051	-7.589E-19
383	0.47789	DEAD	0.0011	0.0102	-7.589E-19
383	0.	VIVA CUB	7.652E-17	-3.469E-18	-8.674E-18
383	0.23895	VIVA CUB	7.652E-17	-3.469E-18	-8.674E-18
383	0.47789	VIVA CUB	7.652E-17	-3.469E-18	-8.674E-18
383	0.	VCOMP	0.	0.	1.301E-18
383	0.23895	VCOMP	0.	0.	1.301E-18
383	0.47789	VCOMP	0.	0.	1.301E-18
383	0.	VSUCC	0.	0.	1.301E-18
383	0.23895	VSUCC	0.	0.	1.301E-18
383	0.47789	VSUCC	0.	0.	1.301E-18
383	0.	MUERTA CUB	-3.188E-18	0.	3.469E-18
383	0.23895	MUERTA CUB	-3.188E-18	0.	3.469E-18
383	0.47789	MUERTA CUB	-3.188E-18	0.	3.469E-18
384	0.	DEAD	-0.0116	-2.828E-06	0.0013
384	0.46595	DEAD	-0.0091	-2.828E-06	0.0013
384	0.9319	DEAD	-0.0066	-2.828E-06	0.0013
384	0.	VIVA CUB	0.0116	-2.631E-05	0.0038
384	0.46595	VIVA CUB	0.0116	-2.631E-05	0.0038
384	0.9319	VIVA CUB	0.0116	-2.631E-05	0.0038
384	0.	VCOMP	0.0093	-2.105E-05	0.003
384	0.46595	VCOMP	0.0093	-2.105E-05	0.003
384	0.9319	VCOMP	0.0093	-2.105E-05	0.003
384	0.	VSUCC	-0.0093	2.105E-05	-0.003
384	0.46595	VSUCC	-0.0093	2.105E-05	-0.003
384	0.9319	VSUCC	-0.0093	2.105E-05	-0.003
384	0.	MUERTA CUB	-0.063	-2.809E-05	0.0119
384	0.46595	MUERTA CUB	-0.063	-2.809E-05	0.0119
384	0.9319	MUERTA CUB	-0.063	-2.809E-05	0.0119
386	0.	DEAD	-0.0497	0.0094	-0.0127
386	0.46595	DEAD	-0.0447	0.0094	-0.0127
386	0.9319	DEAD	-0.0397	0.0094	-0.0127
386	0.	VIVA CUB	-0.3038	0.015	-0.0967
386	0.46595	VIVA CUB	-0.3038	0.015	-0.0967
386	0.9319	VIVA CUB	-0.3038	0.015	-0.0967
386	0.	VCOMP	-0.243	0.012	-0.0773
386	0.46595	VCOMP	-0.243	0.012	-0.0773
386	0.9319	VCOMP	-0.243	0.012	-0.0773
386	0.	VSUCC	0.243	-0.012	0.0773
386	0.46595	VSUCC	0.243	-0.012	0.0773
386	0.9319	VSUCC	0.243	-0.012	0.0773
386	0.	MUERTA CUB	-0.2221	0.0131	-0.1158
386	0.46595	MUERTA CUB	-0.2221	0.0131	-0.1158
386	0.9319	MUERTA CUB	-0.2221	0.0131	-0.1158
387	0.	DEAD	0.0179	0.0104	0.0064
387	0.4664	DEAD	0.1739	0.0104	0.0064
387	0.9328	DEAD	0.1689	0.0104	0.0064

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
387	0.	VIVA CUB	0.4029	0.0259	0.0432
387	0.4664	VIVA CUB	0.4029	0.0259	0.0432
387	0.9328	VIVA CUB	0.4029	0.0259	0.0432
387	0.	VCOMP	0.3223	0.0207	0.0346
387	0.4664	VCOMP	0.3223	0.0207	0.0346
387	0.9328	VCOMP	0.3223	0.0207	0.0346
387	0.	VSUCC	-0.3223	-0.0207	-0.0346
387	0.4664	VSUCC	-0.3223	-0.0207	-0.0346
387	0.9328	VSUCC	-0.3223	-0.0207	-0.0346
387	0.	MUERTA CUB	0.3488	0.0277	0.0592
387	0.4664	MUERTA CUB	0.3488	0.0277	0.0592
387	0.9328	MUERTA CUB	0.3488	0.0277	0.0592
388	0.	DEAD	-0.1132	-0.0184	-0.0015
388	0.65396	DEAD	-0.1117	-0.0044	-0.0015
388	1.30791	DEAD	-0.1101	0.0096	-0.0015
388	0.	VIVA CUB	-0.314	-0.0046	-0.0111
388	0.65396	VIVA CUB	-0.314	-0.0046	-0.0111
388	1.30791	VIVA CUB	-0.314	-0.0046	-0.0111
388	0.	VCOMP	-0.2512	-0.0037	-0.0088
388	0.65396	VCOMP	-0.2512	-0.0037	-0.0088
388	1.30791	VCOMP	-0.2512	-0.0037	-0.0088
388	0.	VSUCC	0.2512	0.0037	0.0088
388	0.65396	VSUCC	0.2512	0.0037	0.0088
388	1.30791	VSUCC	0.2512	0.0037	0.0088
388	0.	MUERTA CUB	-0.2805	0.0022	-0.0159
388	0.65396	MUERTA CUB	-0.2805	0.0022	-0.0159
388	1.30791	MUERTA CUB	-0.2805	0.0022	-0.0159
389	0.	DEAD	-0.3717	-0.0134	0.0056
389	0.65396	DEAD	-0.3701	6.152E-04	0.0056
389	1.30791	DEAD	-0.3686	0.0146	0.0056
389	0.	VIVA CUB	-0.1045	-0.0013	0.0373
389	0.65396	VIVA CUB	-0.1045	-0.0013	0.0373
389	1.30791	VIVA CUB	-0.1045	-0.0013	0.0373
389	0.	VCOMP	-0.8116	-0.001	0.0298
389	0.65396	VCOMP	-0.8116	-0.001	0.0298
389	1.30791	VCOMP	-0.8116	-0.001	0.0298
389	0.	VSUCC	0.8116	0.001	-0.0298
389	0.65396	VSUCC	0.8116	0.001	-0.0298
389	1.30791	VSUCC	0.8116	0.001	-0.0298
389	0.	MUERTA CUB	-0.8808	-0.0021	0.0513
389	0.65396	MUERTA CUB	-0.8808	-0.0021	0.0513
389	1.30791	MUERTA CUB	-0.8808	-0.0021	0.0513
390	0.	DEAD	-0.2667	-0.0119	0.008
390	0.65396	DEAD	-0.2667	0.0021	0.008
390	1.30791	DEAD	-0.2651	0.0161	0.008
390	0.	VIVA CUB	-0.7237	0.0011	0.0543
390	0.65396	VIVA CUB	-0.7237	0.0011	0.0543
390	1.30791	VIVA CUB	-0.7237	0.0011	0.0543
390	0.	VCOMP	-8.803E-04	8.803E-04	0.0434
390	0.65396	VCOMP	-0.5789	8.803E-04	0.0434
390	1.30791	VCOMP	-0.5789	8.803E-04	0.0434
390	0.	VSUCC	0.5789	-8.803E-04	-0.0434
390	0.65396	VSUCC	0.5789	-8.803E-04	-0.0434
390	1.30791	VSUCC	0.5789	-8.803E-04	-0.0434

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
390	0.	MUERTA CUB	-0.6306	0.0011	0.0741
390	0.65396	MUERTA CUB	-0.6306	0.0011	0.0741
390	1.30791	MUERTA CUB	-0.6306	0.0011	0.0741
391	0.	DEAD	-0.0111	-0.0114	0.0052
391	0.65396	DEAD	-0.0095	0.0026	0.0052
391	1.30791	DEAD	-0.008	0.0167	0.0052
391	0.	VIVA CUB	-0.0162	0.0089	0.0349
391	0.65396	VIVA CUB	-0.0162	0.0089	0.0349
391	1.30791	VIVA CUB	-0.0162	0.0089	0.0349
391	0.	VCOMP	-0.0129	0.0071	0.028
391	0.65396	VCOMP	-0.0129	0.0071	0.028
391	1.30791	VCOMP	-0.0129	0.0071	0.028
391	0.	VSUCC	0.0129	-0.0071	-0.028
391	0.65396	VSUCC	0.0129	-0.0071	-0.028
391	1.30791	VSUCC	0.0129	-0.0071	-0.028
391	0.	MUERTA CUB	-0.0162	0.0081	0.0494
391	0.65396	MUERTA CUB	-0.0162	0.0081	0.0494
391	1.30791	MUERTA CUB	-0.0162	0.0081	0.0494
392	0.	DEAD	0.212	-0.0166	0.0028
392	0.65397	DEAD	0.2136	-0.0025	0.0028
392	1.30794	DEAD	0.2151	0.0115	0.0028
392	0.	VIVA CUB	0.5734	-0.0128	0.0186
392	0.65397	VIVA CUB	0.5734	-0.0128	0.0186
392	1.30794	VIVA CUB	0.5734	-0.0128	0.0186
392	0.	VCOMP	0.4587	-0.0102	0.0149
392	0.65397	VCOMP	0.4587	-0.0102	0.0149
392	1.30794	VCOMP	0.4587	-0.0102	0.0149
392	0.	VSUCC	-0.4587	0.0102	-0.0149
392	0.65397	VSUCC	-0.4587	0.0102	-0.0149
392	1.30794	VSUCC	-0.4587	0.0102	-0.0149
392	0.	MUERTA CUB	0.5007	-0.0116	0.0259
392	0.65397	MUERTA CUB	0.5007	-0.0116	0.0259
392	1.30794	MUERTA CUB	0.5007	-0.0116	0.0259
393	0.	DEAD	0.2123	-0.0136	0.0028
393	0.65397	DEAD	0.2139	3.844E-04	0.0028
393	1.30794	DEAD	0.2154	0.0144	0.0028
393	0.	VIVA CUB	0.5751	0.0033	0.0186
393	0.65397	VIVA CUB	0.5751	0.0033	0.0186
393	1.30794	VIVA CUB	0.5751	0.0033	0.0186
393	0.	VCOMP	0.4601	0.0026	0.0149
393	0.65397	VCOMP	0.4601	0.0026	0.0149
393	1.30794	VCOMP	0.4601	0.0026	0.0149
393	0.	VSUCC	-0.4601	-0.0026	-0.0149
393	0.65397	VSUCC	-0.4601	-0.0026	-0.0149
393	1.30794	VSUCC	-0.4601	-0.0026	-0.0149
393	0.	MUERTA CUB	0.5023	0.003	0.0259
393	0.65397	MUERTA CUB	0.5023	0.003	0.0259
393	1.30794	MUERTA CUB	0.5023	0.003	0.0259
394	0.	DEAD	0.2699	-0.0152	-5.158E-05
394	0.65397	DEAD	0.2715	-0.0011	-5.158E-05
394	1.30794	DEAD	0.273	0.0129	-5.158E-05
394	0.	VIVA CUB	0.7393	-3.830E-04	-7.572E-04
394	0.65397	VIVA CUB	0.7393	-3.830E-04	-7.572E-04
394	1.30794	VIVA CUB	0.7393	-3.830E-04	-7.572E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
394	0.	VCOMP	0.5914	-3.064E-04	-6.057E-04
394	0.65397	VCOMP	0.5914	-3.064E-04	-6.057E-04
394	1.30794	VCOMP	0.5914	-3.064E-04	-6.057E-04
394	0.	VSUCC	-0.5914	3.064E-04	6.057E-04
394	0.65397	VSUCC	-0.5914	3.064E-04	6.057E-04
394	1.30794	VSUCC	-0.5914	3.064E-04	6.057E-04
394	0.	MUERTA CUB	0.6477	-2.995E-04	-2.418E-04
394	0.65397	MUERTA CUB	0.6477	-2.995E-04	-2.418E-04
394	1.30794	MUERTA CUB	0.6477	-2.995E-04	-2.418E-04
395	0.	DEAD	0.1664	-0.0117	-0.0059
395	0.65397	DEAD	0.168	0.0023	-0.0059
395	1.30794	DEAD	0.1695	0.0164	-0.0059
395	0.	VIVA CUB	0.4464	0.0131	-0.04
395	0.65397	VIVA CUB	0.4464	0.0131	-0.04
395	1.30794	VIVA CUB	0.4464	0.0131	-0.04
395	0.	VCOMP	0.3571	0.0105	-0.032
395	0.65397	VCOMP	0.3571	0.0105	-0.032
395	1.30794	VCOMP	0.3571	0.0105	-0.032
395	0.	VSUCC	-0.3571	-0.0105	0.032
395	0.65397	VSUCC	-0.3571	-0.0105	0.032
395	1.30794	VSUCC	-0.3571	-0.0105	0.032
395	0.	MUERTA CUB	0.3938	0.0114	-0.0545
395	0.65397	MUERTA CUB	0.3938	0.0114	-0.0545
395	1.30794	MUERTA CUB	0.3938	0.0114	-0.0545
396	0.	DEAD	0.0353	0.	0.
396	0.46629	DEAD	0.0303	0.	0.
396	0.93258	DEAD	0.0253	0.	0.
396	0.	VIVA CUB	-0.0161	0.	0.
396	0.46629	VIVA CUB	-0.0161	0.	0.
396	0.93258	VIVA CUB	-0.0161	0.	0.
396	0.	VCOMP	-0.0129	0.	0.
396	0.46629	VCOMP	-0.0129	0.	0.
396	0.93258	VCOMP	-0.0129	0.	0.
396	0.	VSUCC	0.0129	0.	0.
396	0.46629	VSUCC	0.0129	0.	0.
396	0.93258	VSUCC	0.0129	0.	0.
396	0.	MUERTA CUB	-0.0146	0.	0.
396	0.46629	MUERTA CUB	-0.0146	0.	0.
396	0.93258	MUERTA CUB	-0.0146	0.	0.
397	0.	DEAD	0.0071	0.	0.
397	0.46618	DEAD	0.002	0.	0.
397	0.93235	DEAD	-0.003	0.	0.
397	0.	VIVA CUB	-0.112	0.	0.
397	0.46618	VIVA CUB	-0.112	0.	0.
397	0.93235	VIVA CUB	-0.112	0.	0.
397	0.	VCOMP	-0.0896	0.	0.
397	0.46618	VCOMP	-0.0896	0.	0.
397	0.93235	VCOMP	-0.0896	0.	0.
397	0.	VSUCC	0.0896	0.	0.
397	0.46618	VSUCC	0.0896	0.	0.
397	0.93235	VSUCC	0.0896	0.	0.
397	0.	MUERTA CUB	-0.0996	0.	0.
397	0.46618	MUERTA CUB	-0.0996	0.	0.
397	0.93235	MUERTA CUB	-0.0996	0.	0.

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
398	0.	DEAD	0.1162	0.	0.
398	0.46606	DEAD	0.1112	0.	0.
398	0.93213	DEAD	0.1062	0.	0.
398	0.	VIVA CUB	0.1942	0.	0.
398	0.46606	VIVA CUB	0.1942	0.	0.
398	0.93213	VIVA CUB	0.1942	0.	0.
398	0.	VCOMP	0.1554	0.	0.
398	0.46606	VCOMP	0.1554	0.	0.
398	0.93213	VCOMP	0.1554	0.	0.
398	0.	VSUCC	-0.1554	0.	0.
398	0.46606	VSUCC	-0.1554	0.	0.
398	0.93213	VSUCC	-0.1554	0.	0.
398	0.	MUERTA CUB	0.1684	0.	0.
398	0.46606	MUERTA CUB	0.1684	0.	0.
398	0.93213	MUERTA CUB	0.1684	0.	0.
403	0.	DEAD	5.638E-18	6.939E-18	-9.541E-18
403	0.23895	DEAD	5.663E-04	0.0051	-9.541E-18
403	0.47789	DEAD	0.0011	0.0102	-9.541E-18
403	0.	VIVA CUB	1.020E-16	2.776E-17	0.
403	0.23895	VIVA CUB	1.020E-16	2.776E-17	0.
403	0.47789	VIVA CUB	1.020E-16	2.776E-17	0.
403	0.	VCOMP	0.	-1.388E-17	6.939E-18
403	0.23895	VCOMP	0.	-1.388E-17	6.939E-18
403	0.47789	VCOMP	0.	-1.388E-17	6.939E-18
403	0.	VSUCC	0.	1.388E-17	-6.939E-18
403	0.23895	VSUCC	0.	1.388E-17	-6.939E-18
403	0.47789	VSUCC	0.	1.388E-17	-6.939E-18
403	0.	MUERTA CUB	2.040E-16	0.	-9.714E-17
403	0.23895	MUERTA CUB	2.040E-16	0.	-9.714E-17
403	0.47789	MUERTA CUB	2.040E-16	0.	-9.714E-17
404	0.	DEAD	-0.0245	8.149E-06	-0.0086
404	0.46595	DEAD	-0.0221	8.149E-06	-0.0086
404	0.9319	DEAD	-0.0196	8.149E-06	-0.0086
404	0.	VIVA CUB	-0.0102	7.580E-05	-0.0259
404	0.46595	VIVA CUB	-0.0102	7.580E-05	-0.0259
404	0.9319	VIVA CUB	-0.0102	7.580E-05	-0.0259
404	0.	VCOMP	-0.0082	6.064E-05	-0.0207
404	0.46595	VCOMP	-0.0082	6.064E-05	-0.0207
404	0.9319	VCOMP	-0.0082	6.064E-05	-0.0207
404	0.	VSUCC	0.0082	-6.064E-05	0.0207
404	0.46595	VSUCC	0.0082	-6.064E-05	0.0207
404	0.9319	VSUCC	0.0082	-6.064E-05	0.0207
404	0.	MUERTA CUB	-0.1846	8.094E-05	-0.0802
404	0.46595	MUERTA CUB	-0.1846	8.094E-05	-0.0802
404	0.9319	MUERTA CUB	-0.1846	8.094E-05	-0.0802
422	0.	DEAD	1.339E-07	0.0056	0.0028
422	0.416	DEAD	1.869E-07	0.0078	0.0028
422	0.832	DEAD	2.398E-07	0.01	0.0028
422	1.248	DEAD	2.928E-07	0.0122	0.0028
422	1.664	DEAD	3.458E-07	0.0144	0.0028
422	2.08	DEAD	3.988E-07	0.0166	0.0028
422	0.	VIVA CUB	-2.552E-07	-0.0106	-0.0181
422	0.416	VIVA CUB	6.448E-07	0.0268	0.0181
422	0.832	VIVA CUB	1.545E-06	0.0643	0.0181

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
422	1.248	VIVA CUB	2.445E-06	0.1017	0.0181
422	1.664	VIVA CUB	3.345E-06	0.1391	0.0181
422	2.08	VIVA CUB	4.245E-06	0.1766	0.0181
422	0.	VCOMP	-2.041E-07	-0.0085	0.0145
422	0.416	VCOMP	5.159E-07	0.0215	0.0145
422	0.832	VCOMP	1.236E-06	0.0514	0.0145
422	1.248	VCOMP	1.956E-06	0.0814	0.0145
422	1.664	VCOMP	2.676E-06	0.1113	0.0145
422	2.08	VCOMP	3.396E-06	0.1413	0.0145
422	0.	VSUCC	2.041E-07	0.0085	-0.0145
422	0.416	VSUCC	-5.159E-07	-0.0215	-0.0145
422	0.832	VSUCC	-1.236E-06	-0.0514	-0.0145
422	1.248	VSUCC	-1.956E-06	-0.0814	-0.0145
422	1.664	VSUCC	-2.676E-06	-0.1113	-0.0145
422	2.08	VSUCC	-3.396E-06	-0.1413	-0.0145
422	0.	MUERTA CUB	1.255E-06	0.0522	0.0264
422	0.416	MUERTA CUB	1.723E-06	0.0717	0.0264
422	0.832	MUERTA CUB	2.191E-06	0.0911	0.0264
422	1.248	MUERTA CUB	2.659E-06	0.1106	0.0264
422	1.664	MUERTA CUB	3.127E-06	0.1301	0.0264
422	2.08	MUERTA CUB	3.595E-06	0.1496	0.0264
423	0.	DEAD	-5.757E-04	-0.0133	9.067E-04
423	0.4125	DEAD	-5.757E-04	-0.0112	9.067E-04
423	0.825	DEAD	-5.757E-04	-0.009	9.067E-04
423	1.2375	DEAD	-5.757E-04	-0.0068	9.067E-04
423	1.65	DEAD	-5.757E-04	-0.0046	9.067E-04
423	0.	VIVA CUB	-0.0036	-0.308	0.0061
423	0.4125	VIVA CUB	-0.0036	-0.0996	0.0061
423	0.825	VIVA CUB	-0.0036	-0.0625	0.0061
423	1.2375	VIVA CUB	-0.0036	-0.0254	0.0061
423	1.65	VIVA CUB	-0.0036	0.0117	0.0061
423	0.	VCOMP	-0.0028	-0.1094	0.0049
423	0.4125	VCOMP	-0.0028	-0.0797	0.0049
423	0.825	VCOMP	-0.0028	-0.05	0.0049
423	1.2375	VCOMP	-0.0028	-0.0203	0.0049
423	1.65	VCOMP	-0.0028	0.0094	0.0049
423	0.	VSUCC	0.0028	0.1094	-0.0049
423	0.4125	VSUCC	0.0028	0.0797	-0.0049
423	0.825	VSUCC	0.0028	0.05	-0.0049
423	1.2375	VSUCC	0.0028	0.0203	-0.0049
423	1.65	VSUCC	0.0028	-0.0094	-0.0049
424	0.	MUERTA CUB	-0.0075	-0.1187	0.0082
424	0.4125	MUERTA CUB	-0.0075	-0.0804	0.0082
424	0.825	MUERTA CUB	-0.0075	-0.081	0.0082
424	1.2375	MUERTA CUB	-0.0075	-0.0617	0.0082
424	1.65	MUERTA CUB	-0.0075	-0.0424	0.0082
424	0.	DEAD	-8.678E-04	-0.0039	-1.664E-04
424	0.5	DEAD	-8.678E-04	-0.0013	-1.664E-04
424	1.	DEAD	-8.678E-04	0.0014	-1.664E-04
424	1.5	DEAD	-8.678E-04	0.004	-1.664E-04
424	2.	DEAD	-8.678E-04	0.0067	-1.664E-04
424	0.	VIVA CUB	-0.0067	-0.0789	-0.0015
424	0.5	VIVA CUB	-0.0067	-0.0339	-0.0015
424	1.	VIVA CUB	-0.0067	0.0111	-0.0015

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
424	1.5	VIVA CUB	-0.0067	0.0561	-0.0015
424	2.	VIVA CUB	-0.0067	0.1011	-0.0015
424	0.	VCOMP	-0.0053	-0.0631	-0.0012
424	0.5	VCOMP	-0.0053	-0.0271	-0.0012
424	1.	VCOMP	-0.0053	0.0089	-0.0012
424	1.5	VCOMP	-0.0053	0.0449	-0.0012
424	2.	VCOMP	-0.0053	0.0809	-0.0012
424	0.	VSUCC	0.0053	0.0631	0.0012
424	0.5	VSUCC	0.0053	0.0271	0.0012
424	1.	VSUCC	0.0053	-0.0089	0.0012
424	1.5	VSUCC	0.0053	-0.0449	0.0012
424	2.	VSUCC	0.0053	-0.0809	0.0012
424	0.	MUERTA CUB	-0.0097	-0.0345	-0.0015
424	0.5	MUERTA CUB	-0.0097	-0.0111	-0.0015
424	1.	MUERTA CUB	-0.0097	0.0123	-0.0015
424	1.5	MUERTA CUB	-0.0097	0.0357	-0.0015
424	2.	MUERTA CUB	-0.0097	0.0591	-0.0015
425	0.	DEAD	-5.423E-04	-0.0056	3.313E-05
425	0.5	DEAD	-5.423E-04	-0.003	3.313E-05
425	1.	DEAD	-5.423E-04	-3.362E-04	3.313E-05
425	1.5	DEAD	-5.423E-04	0.0023	3.313E-05
425	2.	DEAD	-5.423E-04	0.005	3.313E-05
425	0.	VIVA CUB	-0.0042	-0.0927	1.150E-04
425	0.5	VIVA CUB	-0.0042	-0.0477	1.150E-04
425	1.	VIVA CUB	-0.0042	-0.0027	1.150E-04
425	1.5	VIVA CUB	-0.0042	0.0423	1.150E-04
425	2.	VIVA CUB	-0.0042	0.0873	1.150E-04
425	0.	VCOMP	-0.0034	-0.0742	9.197E-05
425	0.5	VCOMP	-0.0034	-0.0382	9.197E-05
425	1.	VCOMP	-0.0034	-0.0022	9.197E-05
425	1.5	VCOMP	-0.0034	0.0338	9.197E-05
425	2.	VCOMP	-0.0034	0.0698	9.197E-05
425	0.	VSUCC	0.0034	0.0742	-9.197E-05
425	0.5	VSUCC	0.0034	0.0382	-9.197E-05
425	1.	VSUCC	0.0034	0.0022	-9.197E-05
425	1.5	VSUCC	0.0034	-0.0338	-9.197E-05
425	2.	VSUCC	0.0034	-0.0698	-9.197E-05
425	0.	MUERTA CUB	-0.0065	-0.0498	3.004E-04
425	0.5	MUERTA CUB	-0.0065	-0.0264	3.004E-04
425	1.	MUERTA CUB	-0.0065	-0.003	3.004E-04
425	1.5	MUERTA CUB	-0.0065	0.0204	3.004E-04
425	2.	MUERTA CUB	-0.0065	0.0438	3.004E-04
426	0.	DEAD	-5.312E-04	-0.005	-3.290E-05
426	0.5	DEAD	-5.312E-04	-0.0024	-3.290E-05
426	1.	DEAD	-5.312E-04	2.809E-04	-3.290E-05
426	1.5	DEAD	-5.312E-04	0.0029	-3.290E-05
426	2.	DEAD	-5.312E-04	0.0056	-3.290E-05
426	0.	VIVA CUB	-0.0042	-0.0881	-3.775E-04
426	0.5	VIVA CUB	-0.0042	-0.0431	-3.775E-04
426	1.	VIVA CUB	-0.0042	0.0019	-3.775E-04
426	1.5	VIVA CUB	-0.0042	0.0469	-3.775E-04
426	2.	VIVA CUB	-0.0042	0.0919	-3.775E-04
426	0.	VCOMP	-0.0033	-0.0705	-3.020E-04
426	0.5	VCOMP	-0.0033	-0.0345	-3.020E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
426	1.	VCOMP	-0.0033	0.0015	-3.020E-04
426	1.5	VCOMP	-0.0033	0.0375	-3.020E-04
426	2.	VCOMP	-0.0033	0.0735	-3.020E-04
426	0.	VSUCC	0.0033	0.0705	3.020E-04
426	0.5	VSUCC	0.0033	0.0345	3.020E-04
426	1.	VSUCC	0.0033	-0.0015	3.020E-04
426	1.5	VSUCC	0.0033	-0.0375	3.020E-04
426	2.	VSUCC	0.0033	-0.0735	3.020E-04
426	0.	MUERTA CUB	-0.0064	-0.0443	-2.926E-04
426	0.5	MUERTA CUB	-0.0064	-0.0209	-2.926E-04
426	1.	MUERTA CUB	-0.0064	0.0025	-2.926E-04
426	1.5	MUERTA CUB	-0.0064	0.0259	-2.926E-04
426	2.	MUERTA CUB	-0.0064	0.0493	-2.926E-04
427	0.	DEAD	-7.870E-04	-0.0065	1.395E-04
427	0.5	DEAD	-7.870E-04	-0.0038	1.395E-04
427	1.	DEAD	-7.870E-04	-0.0012	1.395E-04
427	1.5	DEAD	-7.870E-04	0.0015	1.395E-04
427	2.	DEAD	-7.870E-04	0.0041	1.395E-04
427	0.	VIVA CUB	-0.0058	-0.0891	7.994E-04
427	0.5	VIVA CUB	-0.0058	-0.0531	7.994E-04
427	1.	VIVA CUB	-0.0058	-0.0081	7.994E-04
427	1.5	VIVA CUB	-0.0058	0.0369	7.994E-04
427	2.	VIVA CUB	-0.0058	0.0819	7.994E-04
427	0.	VCOMP	-0.0046	-0.0785	6.395E-04
427	0.5	VCOMP	-0.0046	-0.0425	6.395E-04
427	1.	VCOMP	-0.0046	-0.0065	6.395E-04
427	1.5	VCOMP	-0.0046	0.0295	6.395E-04
427	2.	VCOMP	-0.0046	0.0655	6.395E-04
427	0.	VSUCC	0.0046	0.0785	-6.395E-04
427	0.5	VSUCC	0.0046	0.0425	-6.395E-04
427	1.	VSUCC	0.0046	0.0065	-6.395E-04
427	1.5	VSUCC	0.0046	-0.0295	-6.395E-04
427	2.	VSUCC	0.0046	-0.0655	-6.395E-04
427	0.	MUERTA CUB	-0.0089	-0.0575	0.0013
427	0.5	MUERTA CUB	-0.0089	-0.0341	0.0013
427	1.	MUERTA CUB	-0.0089	-0.0107	0.0013
427	1.5	MUERTA CUB	-0.0089	0.0127	0.0013
427	2.	MUERTA CUB	-0.0089	0.0361	0.0013
428	0.	DEAD	-6.007E-04	0.0015	-6.755E-04
428	0.4875	DEAD	-6.007E-04	0.0041	-6.755E-04
428	0.975	DEAD	-6.007E-04	0.0066	-6.755E-04
428	1.4625	DEAD	-6.007E-04	0.0092	-6.755E-04
428	1.95	DEAD	-6.007E-04	0.0118	-6.755E-04
428	0.	VIVA CUB	-0.0044	-0.0445	-0.0046
428	0.4875	VIVA CUB	-0.0044	-6.479E-04	-0.0046
428	0.975	VIVA CUB	-0.0044	0.0432	-0.0046
428	1.4625	VIVA CUB	-0.0044	0.0871	-0.0046
428	1.95	VIVA CUB	-0.0044	0.131	-0.0046
428	0.	VCOMP	-0.0035	-0.0356	-0.0037
428	0.4875	VCOMP	-0.0035	-5.183E-04	-0.0037
428	0.975	VCOMP	-0.0035	0.0346	-0.0037
428	1.4625	VCOMP	-0.0035	0.0697	-0.0037
428	1.95	VCOMP	-0.0035	0.1048	-0.0037
428	0.	VSUCC	0.0035	0.0356	0.0037

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
428	0.4875	VSUCC	0.0035	5.183E-04	0.0037
428	0.975	VSUCC	0.0035	-0.0346	0.0037
428	1.4625	VSUCC	0.0035	-0.0697	0.0037
428	1.95	VSUCC	0.0035	-0.1049	0.0037
428	0.	MUERTA CUB	-0.0077	0.0143	-0.0061
428	0.4875	MUERTA CUB	-0.0077	0.0371	-0.0061
428	0.975	MUERTA CUB	-0.0077	0.06	-0.0061
428	1.4625	MUERTA CUB	-0.0077	0.0828	-0.0061
428	1.95	MUERTA CUB	-0.0077	0.1056	-0.0061
429	0.	DEAD	4.063E-07	-0.016	-0.0028
429	0.4925	DEAD	3.400E-07	-0.0134	-0.0028
429	0.985	DEAD	2.739E-07	-0.0109	-0.0028
429	1.4775	DEAD	2.076E-07	-0.0082	-0.0028
429	1.97	DEAD	1.414E-07	-0.0056	-0.0028
429	0.	VIVA CUB	4.245E-06	-0.1673	-0.0169
429	0.4925	VIVA CUB	3.120E-06	-0.1229	-0.0169
429	0.985	VIVA CUB	1.995E-06	-0.0786	-0.0169
429	1.4775	VIVA CUB	8.701E-07	-0.0343	-0.0169
429	1.97	VIVA CUB	-2.549E-07	0.01	-0.0169
429	0.	VCOMP	3.396E-06	-0.1338	-0.0135
429	0.4925	VCOMP	2.496E-06	-0.0983	-0.0135
429	0.985	VCOMP	1.596E-06	-0.0629	-0.0135
429	1.4775	VCOMP	6.961E-07	-0.0274	-0.0135
429	1.97	VCOMP	-2.039E-07	0.008	-0.0135
429	0.	VSUCC	-3.396E-06	0.1338	0.0135
429	0.4925	VSUCC	-2.496E-06	0.0983	0.0135
429	0.985	VSUCC	-1.596E-06	0.0629	0.0135
429	1.4775	VSUCC	-6.961E-07	0.0274	0.0135
429	1.97	VSUCC	2.039E-07	-0.008	0.0135
429	0.	MUERTA CUB	3.664E-06	-0.1444	-0.0259
429	0.4925	MUERTA CUB	3.079E-06	-0.1213	-0.0259
429	0.985	MUERTA CUB	2.494E-06	-0.0983	-0.0259
429	1.4775	MUERTA CUB	1.909E-06	-0.0752	-0.0259
429	1.97	MUERTA CUB	1.324E-06	-0.0522	-0.0259
430	0.	DEAD	0.	0.007	2.760E-04
430	0.416	DEAD	0.	0.0092	2.760E-04
430	0.832	DEAD	0.	0.0114	2.760E-04
430	1.248	DEAD	0.	0.0136	2.760E-04
430	1.664	DEAD	0.	0.0158	2.760E-04
430	2.08	DEAD	0.	0.018	2.760E-04
430	0.	VIVA CUB	0.	2.665E-04	0.0024
430	0.416	VIVA CUB	0.	0.0377	0.0024
430	0.832	VIVA CUB	0.	0.0751	0.0024
430	1.248	VIVA CUB	0.	0.1126	0.0024
430	1.664	VIVA CUB	0.	0.15	0.0024
430	2.08	VIVA CUB	0.	0.1875	0.0024
430	0.	VCOMP	-2.776E-17	2.132E-04	0.0019
430	0.416	VCOMP	-2.776E-17	0.0302	0.0019
430	0.832	VCOMP	-2.776E-17	0.0601	0.0019
430	1.248	VCOMP	-2.776E-17	0.0901	0.0019
430	1.664	VCOMP	-2.776E-17	0.12	0.0019
430	2.08	VCOMP	-2.776E-17	0.15	0.0019
430	0.	VSUCC	2.776E-17	-2.132E-04	-0.0019
430	0.416	VSUCC	2.776E-17	-0.0302	-0.0019

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
430	0.832	VSUCC	2.776E-17	-0.0601	-0.0019
430	1.248	VSUCC	2.776E-17	-0.0901	-0.0019
430	1.664	VSUCC	2.776E-17	-0.12	-0.0019
430	2.08	VSUCC	2.776E-17	-0.15	-0.0019
430	0.	MUERTA CUB	-1.388E-17	0.0657	0.0029
430	0.416	MUERTA CUB	-1.388E-17	0.0852	0.0029
430	0.832	MUERTA CUB	-1.388E-17	0.1046	0.0029
430	1.248	MUERTA CUB	-1.388E-17	0.1241	0.0029
430	1.664	MUERTA CUB	-1.388E-17	0.1436	0.0029
430	2.08	MUERTA CUB	-1.388E-17	0.1631	0.0029
431	0.	DEAD	0.0035	-0.0159	0.0012
431	0.4125	DEAD	0.0035	-0.0137	0.0012
431	0.825	DEAD	0.0035	-0.0115	0.0012
431	1.2375	DEAD	0.0035	-0.0093	0.0012
431	1.65	DEAD	0.0035	-0.0071	0.0012
431	0.	VIVA CUB	0.0241	-0.1546	0.0084
431	0.4125	VIVA CUB	0.0241	-0.1175	0.0084
431	0.825	VIVA CUB	0.0241	-0.0803	0.0084

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
432	2.	VSUCC	-0.0136	-0.0837	0.0017
432	0.	MUERTA CUB	0.0235	-0.0297	-0.0023
432	0.5	MUERTA CUB	0.0235	-0.0063	-0.0023
432	1.	MUERTA CUB	0.0235	0.0171	-0.0023
432	1.5	MUERTA CUB	0.0235	0.0405	-0.0023
432	2.	MUERTA CUB	0.0235	0.0639	-0.0023
433	0.	DEAD	0.0027	-0.0057	3.774E-05
433	0.5	DEAD	0.0027	-0.0031	3.774E-05
433	1.	DEAD	0.0027	-4.322E-04	3.774E-05
433	1.5	DEAD	0.0027	-0.0022	3.774E-05
433	2.	DEAD	0.0027	0.0049	3.774E-05
433	0.	VIVA CUB	0.0173	-0.0934	1.543E-04
433	0.5	VIVA CUB	0.0173	-0.0484	1.543E-04
433	1.	VIVA CUB	0.0173	-0.0034	1.543E-04
433	1.5	VIVA CUB	0.0173	0.0416	1.543E-04
433	2.	VIVA CUB	0.0173	0.0866	1.543E-04
433	0.	VCOMP	0.0139	-0.0747	1.235E-04
433	0.5	VCOMP	0.0139	-0.0387	1.235E-04
433	1.	VCOMP	0.0139	-0.0027	1.235E-04
433	1.5	VCOMP	0.0139	0.0333	1.235E-04
433	2.	VCOMP	0.0139	0.0693	1.235E-04
433	0.	VSUCC	-0.0139	0.0747	-1.235E-04
433	0.5	VSUCC	-0.0139	0.0387	-1.235E-04
433	1.	VSUCC	-0.0139	0.0027	-1.235E-04
433	1.5	VSUCC	-0.0139	-0.0333	-1.235E-04
433	2.	VSUCC	-0.0139	-0.0693	-1.235E-04
433	0.	MUERTA CUB	0.0239	-0.0507	3.456E-04
433	0.5	MUERTA CUB	0.0239	-0.0273	3.456E-04
433	1.	MUERTA CUB	0.0239	-0.0039	3.456E-04
433	1.5	MUERTA CUB	0.0239	0.0195	3.456E-04
433	2.	MUERTA CUB	0.0239	0.0429	3.456E-04
434	0.	DEAD	0.0027	-0.0049	-4.519E-05
434	0.5	DEAD	0.0027	-0.0023	-4.519E-05
434	1.	DEAD	0.0027	3.904E-04	-4.519E-05
434	1.5	DEAD	0.0027	0.003	-4.519E-05
434	2.	DEAD	0.0027	0.0057	-4.519E-05
434	0.	VIVA CUB	0.0172	-0.0874	-4.589E-04
434	0.5	VIVA CUB	0.0172	-0.0424	-4.589E-04
434	1.	VIVA CUB	0.0172	0.0026	-4.589E-04
434	1.5	VIVA CUB	0.0172	0.0476	-4.589E-04
434	2.	VIVA CUB	0.0172	0.0926	-4.589E-04
434	0.	VCOMP	0.0137	-0.0699	-3.671E-04
434	0.5	VCOMP	0.0137	-0.0339	-3.671E-04
434	1.	VCOMP	0.0137	0.0021	-3.671E-04
434	1.5	VCOMP	0.0137	0.0381	-3.671E-04
434	2.	VCOMP	0.0137	0.0741	-3.671E-04
434	0.	VSUCC	-0.0137	0.0699	3.671E-04
434	0.5	VSUCC	-0.0137	0.0339	3.671E-04
434	1.	VSUCC	-0.0137	-0.0021	3.671E-04
434	1.5	VSUCC	-0.0137	-0.0381	3.671E-04
434	2.	VSUCC	-0.0137	-0.0741	3.671E-04
434	0.	MUERTA CUB	0.024	-0.0432	-4.066E-04
434	0.5	MUERTA CUB	0.024	-0.0198	-4.066E-04
434	1.	MUERTA CUB	0.024	0.0036	-4.066E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
434	1.5	MUERTA CUB	0.024	0.027	-4.066E-04
434	2.	MUERTA CUB	0.024	0.0504	-4.066E-04
435	0.	DEAD	0.0027	-0.007	2.096E-04
435	0.5	DEAD	0.0027	-0.0043	2.096E-04
435	1.	DEAD	0.0027	-0.0017	2.096E-04
435	1.5	DEAD	0.0027	9.870E-04	2.096E-04
435	2.	DEAD	0.0027	0.0036	2.096E-04
435	0.	VIVA CUB	0.0168	-0.1013	0.0013
435	0.5	VIVA CUB	0.0168	-0.0563	0.0013
435	1.	VIVA CUB	0.0168	-0.0113	0.0013
435	1.5	VIVA CUB	0.0168	0.0337	0.0013
435	2.	VIVA CUB	0.0168	0.0787	0.0013
435	0.	VCOMP	0.0135	-0.0811	0.001
435	0.5	VCOMP	0.0135	-0.0451	0.001
435	1.	VCOMP	0.0135	-0.0091	0.001
435	1.5	VCOMP	0.0135	0.0269	0.001
435	2.	VCOMP	0.0135	0.0629	0.001
435	0.	VSUCC	-0.0135	0.0811	-0.001
435	0.5	VSUCC	-0.0135	0.0451	-0.001
435	1.	VSUCC	-0.0135	0.0091	-0.001
435	1.5	VSUCC	-0.0135	-0.0269	-0.001
435	2.	VSUCC	-0.0135	-0.0629	-0.001
435	0.	MUERTA CUB	0.0237	-0.062	0.0019
435	0.5	MUERTA CUB	0.0237	-0.0386	0.0019
435	1.	MUERTA CUB	0.0237	-0.0152	0.0019
435	1.5	MUERTA CUB	0.0237	0.0082	0.0019
435	2.	MUERTA CUB	0.0237	0.0316	0.0019
436	0.	DEAD	0.0035	0.0034	-9.019E-04
436	0.4875	DEAD	0.0035	0.006	-9.019E-04
436	0.975	DEAD	0.0035	0.0086	-9.019E-04
436	1.4625	DEAD	0.0035	0.0112	-9.019E-04
436	1.95	DEAD	0.0035	0.0138	-9.019E-04
436	0.	VIVA CUB	0.0222	-0.0313	-0.0061
436	0.4875	VIVA CUB	0.0222	0.0126	-0.0061
436	0.975	VIVA CUB	0.0222	0.0564	-0.0061
436	1.4625	VIVA CUB	0.0222	0.1003	-0.0061
436	1.95	VIVA CUB	0.0222	0.1442	-0.0061
436	0.	VCOMP	0.0178	-0.0251	-0.0049
436	0.4875	VCOMP	0.0178	0.01	-0.0049
436	0.975	VCOMP	0.0178	0.0451	-0.0049
436	1.4625	VCOMP	0.0178	0.0802	-0.0049
436	1.95	VCOMP	0.0178	0.1153	-0.0049
436	0.	VSUCC	-0.0178	0.0251	0.0049
436	0.4875	VSUCC	-0.0178	-0.01	0.0049
436	0.975	VSUCC	-0.0178	-0.0451	0.0049
436	1.4625	VSUCC	-0.0178	-0.0802	0.0049
436	1.95	VSUCC	-0.0178	-0.1153	0.0049
436	0.	MUERTA CUB	0.0314	0.0332	-0.0082
436	0.4875	MUERTA CUB	0.0314	0.056	-0.0082
436	0.975	MUERTA CUB	0.0314	0.0788	-0.0082
436	1.4625	MUERTA CUB	0.0314	0.1017	-0.0082
436	1.95	MUERTA CUB	0.0314	0.1245	-0.0082
437	0.	DEAD	0.	-0.0174	-2.914E-04
437	0.4925	DEAD	0.	-0.0148	-2.914E-04

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
437	0.985	DEAD	0.	-0.0122	-2.914E-04
437	1.4775	DEAD	0.	-0.0096	-2.914E-04
437	1.97	DEAD	0.	-0.007	-2.914E-04
437	0.	VIVA CUB	4.857E-17	-0.1776	-0.0024
437	0.4925	VIVA CUB	4.857E-17	-0.1332	-0.0024
437	0.985	VIVA CUB	4.857E-17	-0.0889	-0.0024
437	1.4775	VIVA CUB	4.857E-17	-0.0446	-0.0024
437	1.97	VIVA CUB	4.857E-17	-2.610E-04	-0.0024
437	0.	VCOMP	1.388E-17	-0.142	-0.0019
437	0.4925	VCOMP	1.388E-17	-0.1066	-0.0019
437	0.985	VCOMP	1.388E-17	-0.0711	-0.0019
437	1.4775	VCOMP	1.388E-17	-0.0367	-0.0019
437	1.97	VCOMP	1.388E-17	-2.088E-04	-0.0019
437	0.	VSUCC	-1.388E-17	0.142	0.0019
437	0.4925	VSUCC	-1.388E-17	0.1066	0.0019
437	0.985	VSUCC	-1.388E-17	0.0711	0.0019
437	1.4775	VSUCC	-1.388E-17	0.0357	0.0019
437	1.97	VSUCC	-1.388E-17	2.088E-04	0.0019
437	0.	MUERTA CUB	-5.551E-17	-0.1579	-0.003
437	0.4925	MUERTA CUB	-5.551E-17	-0.1349	-0.003
437	0.985	MUERTA CUB	-5.551E-17	-0.1118	-0.003
437	1.4775	MUERTA CUB	-5.551E-17	-0.0888	-0.003
437	1.97	MUERTA CUB	-5.551E-17	-0.0657	-0.003
438	0.	DEAD	1.672E-07	0.007	2.268E-04
438	0.416	DEAD	2.202E-07	0.0092	2.268E-04
438	0.832	DEAD	2.731E-07	0.0114	2.268E-04
438	1.248	DEAD	3.261E-07	0.0136	2.268E-04
438	1.664	DEAD	3.791E-07	0.0158	2.268E-04
438	2.08	DEAD	4.321E-07	0.018	2.268E-04
438	0.	VIVA CUB	5.823E-09	2.423E-04	0.0022
438	0.416	VIVA CUB	9.058E-07	0.0377	0.0022
438	0.832	VIVA CUB	1.806E-06	0.0751	0.0022
438	1.248	VIVA CUB	2.708E-06	0.1126	0.0022
438	1.664	VIVA CUB	3.606E-06	0.15	0.0022
438	2.08	VIVA CUB	4.506E-06	0.1874	0.0022
438	0.	VCOMP	4.659E-09	1.939E-04	0.0018
438	0.416	VCOMP	7.247E-07	0.0301	0.0018
438	0.832	VCOMP	1.445E-06	0.0601	0.0018
438	1.248	VCOMP	2.165E-06	0.09	0.0018
438	1.664	VCOMP	2.885E-06	0.12	0.0018
438	2.08	VCOMP	3.605E-06	0.15	0.0018
438	0.	VSUCC	-4.659E-09	-1.939E-04	-0.0018
438	0.416	VSUCC	-7.247E-07	-0.0301	-0.0018
438	0.832	VSUCC	-1.445E-06	-0.0601	-0.0018
438	1.248	VSUCC	-2.165E-06	-0.09	-0.0018
438	1.664	VSUCC	-2.885E-06	-0.12	-0.0018
438	2.08	VSUCC	-3.605E-06	-0.15	-0.0018
438	0.	MUERTA CUB	1.579E-06	0.0657	0.0026
438	0.416	MUERTA CUB	2.047E-06	0.0852	0.0026
438	0.832	MUERTA CUB	2.515E-06	0.1046	0.0026
438	1.248	MUERTA CUB	2.983E-06	0.1241	0.0026
438	1.664	MUERTA CUB	3.451E-06	0.1436	0.0026
438	2.08	MUERTA CUB	3.919E-06	0.163	0.0026
439	0.	DEAD	0.0096	-0.0154	0.0012

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station	OutputCase	P	V2	V3
	m		Tonf	Tonf	Tonf
439	0.4125	DEAD	0.0096	-0.0132	0.0012
439	0.825	DEAD	0.0096	-0.0111	0.0012
439	1.2375	DEAD	0.0096	-0.0089	0.0012
439	1.65	DEAD	0.0096	-0.0067	0.0012
439	0.	VIVA CUB	0.0683	-0.1518	0.0082
439	0.4125	VIVA CUB	0.0683	-0.1147	0.0082
439	0.825	VIVA CUB	0.0683	-0.0775	0.0082
439	1.2375	VIVA CUB	0.0683	-0.0404	0.0082
439	1.65	VIVA CUB	0.0683	-0.0033	0.0082
439	0.	VCOMP	0.0546	-0.1214	0.0066
439	0.4125	VCOMP	0.0546	-0.0917	0.0066
439	0.825	VCOMP	0.0546	-0.062	0.0066
439	1.2375	VCOMP	0.0546	-0.0323	0.0066
439	1.65	VCOMP	0.0546	-0.0026	0.0066
439	0.	VSUCC	-0.0546	0.1214	-0.0066
439	0.4125	VSUCC	-0.0546	0.0917	-0.0066
439	0.825	VSUCC	-0.0546	0.062	-0.0066
439	1.2375	VSUCC	-0.0546	0.0323	-0.0066
439	1.65	VSUCC	-0.0546	0.0026	-0.0066
439	0.	MUERTA CUB	0.0881	-0.1401	0.011
439	0.4125	MUERTA CUB	0.0881	-0.1208	0.011
439	0.825	MUERTA CUB	0.0881	-0.1015	0.011
439	1.2375	MUERTA CUB	0.0881	-0.0822	0.011
439	1.65	MUERTA CUB	0.0881	-0.0629	0.011
440	0.	DEAD	0.0073	-0.0035	-2.711E-04
440	0.5	DEAD	0.0073	-8.889E-04	-2.711E-04
440	1	DEAD	0.0073	-2.711E-04	-2.711E-04
440	1.5	DEAD	0.0073	0.0004	-2.711E-04
440	2	DEAD	0.0073	0.0071	-2.711E-04
440	0.	VIVA CUB	0.0505	-0.0762	-0.0022
440	0.5	VIVA CUB	0.0505	-0.0312	-0.0022
440	1	VIVA CUB	0.0505	0.0138	-0.0022
440	1.5	VIVA CUB	0.0505	0.0588	-0.0022
440	2	VIVA CUB	0.0505	0.1038	-0.0022
440	0.	VCOMP	0.0404	-0.0604	-0.0018
440	0.5	VCOMP	0.0404	-0.025	-0.0018
440	1	VCOMP	0.0404	0.011	-0.0018
440	1.5	VCOMP	0.0404	0.047	-0.0018
440	2	VCOMP	0.0404	0.083	-0.0018
440	0.	VSUCC	-0.0404	0.061	0.0018
440	0.5	VSUCC	-0.0404	0.025	0.0018
440	1	VSUCC	-0.0404	-0.011	0.0018
440	1.5	VSUCC	-0.0404	-0.047	0.0018
440	2	VSUCC	-0.0404	-0.083	0.0018
440	0.	MUERTA CUB	0.0667	-0.0307	-0.0025
440	0.5	MUERTA CUB	0.0667	-0.0073	-0.0025
440	1	MUERTA CUB	0.0667	0.0161	-0.0025
440	1.5	MUERTA CUB	0.0667	0.0395	-0.0025
440	2	MUERTA CUB	0.0667	0.0629	-0.0025
441	0.	DEAD	0.0079	-0.0057	2.888E-05
441	0.5	DEAD	0.0079	-0.003	2.888E-05
441	1	DEAD	0.0079	-3.965E-04	2.888E-05
441	1.5	DEAD	0.0079	0.0023	2.888E-05
441	2	DEAD	0.0079	0.0049	2.888E-05

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
441	0.	VIVA CUB	0.0551	-0.0932	1.083E-04
441	0.5	VIVA CUB	0.0551	-0.0482	1.083E-04
441	1.	VIVA CUB	0.0551	-0.0032	1.083E-04
441	1.5	VIVA CUB	0.0551	0.0418	1.083E-04
441	2.	VIVA CUB	0.0551	0.0868	1.083E-04
441	0.	VCOMP	0.0441	-0.0746	8.663E-05
441	0.5	VCOMP	0.0441	-0.0386	8.663E-05
441	1.	VCOMP	0.0441	-0.0026	8.663E-05
441	1.5	VCOMP	0.0441	0.0334	8.663E-05
441	2.	VCOMP	0.0441	0.0864	8.663E-05
441	0.	VSUCC	-0.0441	0.0746	-8.663E-05
441	0.5	VSUCC	-0.0441	0.0386	-8.663E-05
441	1.	VSUCC	-0.0441	0.0026	-8.663E-05
441	1.5	VSUCC	-0.0441	-0.0334	-8.663E-05
441	2.	VSUCC	-0.0441	-0.0864	-8.663E-05
441	0.	MUERTA CUB	0.0723	-0.0504	2.668E-04
441	0.5	MUERTA CUB	0.0723	-0.027	2.668E-04
441	1.	MUERTA CUB	0.0723	-0.0036	2.668E-04
441	1.5	MUERTA CUB	0.0723	0.0198	2.668E-04
441	2.	MUERTA CUB	0.0723	0.0432	2.668E-04
442	0.	DEAD	0.0079	-0.0049	-4.343E-05
442	0.5	DEAD	0.0079	-0.0023	-4.343E-05
442	1.	DEAD	0.0079	3.495E-04	-4.343E-05
442	1.5	DEAD	0.0079	0.003	-4.343E-05
442	2.	DEAD	0.0079	0.0056	-4.343E-05
442	0.	VIVA CUB	0.0546	-0.0877	-4.208E-04
442	0.5	VIVA CUB	0.0546	-0.0427	-4.208E-04
442	1.	VIVA CUB	0.0546	0.0023	-4.208E-04
442	1.5	VIVA CUB	0.0546	0.0473	-4.208E-04
442	2.	VIVA CUB	0.0546	0.0923	-4.208E-04
442	0.	VCOMP	0.0437	-0.0701	-3.366E-04
442	0.5	VCOMP	0.0437	-0.0341	-3.366E-04
442	1.	VCOMP	0.0437	0.0019	-3.366E-04
442	1.5	VCOMP	0.0437	0.0379	-3.366E-04
442	2.	VCOMP	0.0437	0.0739	-3.366E-04
442	0.	VSUCC	-0.0437	0.0701	3.366E-04
442	0.5	VSUCC	-0.0437	0.0341	3.366E-04
442	1.	VSUCC	-0.0437	-0.0019	3.366E-04
442	1.5	VSUCC	-0.0437	-0.0379	3.366E-04
442	2.	VSUCC	-0.0437	-0.0739	3.366E-04
442	0.	MUERTA CUB	0.0724	-0.0436	-3.919E-04
442	0.5	MUERTA CUB	0.0724	-0.0202	-3.919E-04
442	1.	MUERTA CUB	0.0724	0.0032	-3.919E-04
442	1.5	MUERTA CUB	0.0724	0.0266	-3.919E-04
442	2.	MUERTA CUB	0.0724	0.05	-3.919E-04
443	0.	DEAD	0.0074	-0.0068	2.147E-04
443	0.5	DEAD	0.0074	-0.0042	2.147E-04
443	1.	DEAD	0.0074	-0.0015	2.147E-04
443	1.5	DEAD	0.0074	0.0011	2.147E-04
443	2.	DEAD	0.0074	0.0038	2.147E-04
443	0.	VIVA CUB	0.0505	-0.1006	0.0014
443	0.5	VIVA CUB	0.0505	-0.0556	0.0014
443	1.	VIVA CUB	0.0505	-0.0106	0.0014
443	1.5	VIVA CUB	0.0505	0.0344	0.0014

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
443	2.	VIVA CUB	0.0505	0.0794	0.0014
443	0.	VCOMP	0.0404	-0.0805	0.0011
443	0.5	VCOMP	0.0404	-0.0445	0.0011
443	1.	VCOMP	0.0404	-0.0085	0.0011
443	1.5	VCOMP	0.0404	0.0275	0.0011
443	2.	VCOMP	0.0404	0.0635	0.0011
443	0.	VSUCC	-0.0404	0.0805	-0.0011
443	0.5	VSUCC	-0.0404	0.0445	-0.0011
443	1.	VSUCC	-0.0404	0.0085	-0.0011
443	1.5	VSUCC	-0.0404	-0.0275	-0.0011
443	2.	VSUCC	-0.0404	-0.0635	-0.0011
443	0.	MUERTA CUB	0.0679	-0.0609	0.002
443	0.5	MUERTA CUB	0.0679	-0.0375	0.002
443	1.	MUERTA CUB	0.0679	-0.0141	0.002
443	1.5	MUERTA CUB	0.0679	0.0093	0.002
443	2.	MUERTA CUB	0.0679	0.0327	0.002
444	0.	DEAD	0.0095	0.003	-8.671E-04
444	0.6875	DEAD	0.0095	0.0056	-8.671E-04
444	0.975	DEAD	0.0095	0.0082	-8.671E-04
444	1.4625	DEAD	0.0095	0.0108	-8.671E-04
444	1.95	DEAD	0.0095	0.0134	-8.671E-04
444	0.	VIVA CUB	0.0633	-0.0338	-0.0058
444	0.4875	VIVA CUB	0.0633	0.0101	-0.0058
444	0.975	VIVA CUB	0.0633	0.0539	-0.0058
444	1.4625	VIVA CUB	0.0633	0.0978	-0.0058
444	1.95	VIVA CUB	0.0633	0.1417	-0.0058
444	0.	VCOMP	0.0506	-0.027	-0.0047
444	0.4875	VCOMP	0.0506	0.0081	-0.0047
444	0.975	VCOMP	0.0506	0.0432	-0.0047
444	1.4625	VCOMP	0.0506	0.0783	-0.0047
444	1.95	VCOMP	0.0506	0.1134	-0.0047
444	0.	VSUCC	-0.0506	0.027	0.0047
444	0.4875	VSUCC	-0.0506	-0.0081	0.0047
444	0.975	VSUCC	-0.0506	-0.0432	0.0047
444	1.4625	VSUCC	-0.0506	-0.0783	0.0047
444	1.95	VSUCC	-0.0506	-0.1134	0.0047
444	0.	MUERTA CUB	0.087	0.0297	-0.0079
444	0.4875	MUERTA CUB	0.087	0.0525	-0.0079
444	0.975	MUERTA CUB	0.087	0.0753	-0.0079
444	1.4625	MUERTA CUB	0.087	0.0981	-0.0079
444	1.95	MUERTA CUB	0.087	0.1209	-0.0079
445	0.	DEAD	4.414E-07	-0.0174	-2.380E-04
445	0.	DEAD	3.752E-07	-0.0148	-2.380E-04
445	0.985	DEAD	3.090E-07	-0.0122	-2.380E-04
445	1.4775	DEAD	2.428E-07	-0.0096	-2.380E-04
445	1.97	DEAD	1.765E-07	-0.007	-2.380E-04
445	0.	VIVA CUB	4.506E-06	-0.1775	-0.0021
445	0.4925	VIVA CUB	3.381E-06	-0.1332	-0.0021
445	0.985	VIVA CUB	2.256E-06	-0.0899	-0.0021
445	1.4775	VIVA CUB	1.131E-06	-0.0446	-0.0021
445	1.97	VIVA CUB	5.989E-09	-2.359E-04	-0.0021
445	0.	VCOMP	3.605E-06	-0.142	-0.0017
445	0.4925	VCOMP	2.705E-06	-0.1066	-0.0017
445	0.985	VCOMP	1.805E-06	-0.0711	-0.0017

Table 24: Element Forces - Frames, Part 1 of 2					
Frame	Station m	OutputCase	P Tonf	V2 Tonf	V3 Tonf
445	1.4775	VCOMP	9.048E-07	-0.0356	-0.0017
445	1.97	VCOMP	4.790E-09	-1.887E-04	-0.0017
445	0.	VSUCC	-3.605E-06	0.142	0.0017
445	0.4925	VSUCC	-2.705E-06	0.1066	0.0017
445	0.985	VSUCC	-1.805E-06	0.0711	0.0017
445	1.4775	VSUCC	-9.048E-07	0.0356	0.0017
445	1.97	VSUCC	-4.790E-09	1.887E-04	0.0017
445	0.	MUERTA CUB	4.008E-06	-0.1579	-0.0028
445	0.4925	MUERTA CUB	3.423E-06	-0.1348	-0.0028
445	0.985	MUERTA CUB	2.838E-06	-0.1118	-0.0028
445	1.4775	MUERTA CUB	2.253E-06	-0.0888	-0.0028
445	1.97	MUERTA CUB	1.668E-06	-0.0657	-0.0028

Table 24: Element Forces - Frames, Part 2 of 2

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
2	0.	DEAD	0.0034	0.	0.
2	0.65396	DEAD	0.0034	0.	0.00113
2	1.30792	DEAD	0.0034	0.	1.706E-19
2	0.	VIVA CUB	0.02151	0.	0.
2	0.65396	VIVA CUB	0.02151	0.	0.
2	1.30792	VIVA CUB	0.02151	0.	0.
2	0.	VCOMP	0.01721	0.	0.
2	0.65396	VCOMP	0.01721	0.	0.
2	1.30792	VCOMP	0.01721	0.	0.
2	0.	VSUCC	-0.01721	0.	0.
2	0.65396	VSUCC	-0.01721	0.	0.
2	1.30792	VSUCC	-0.01721	0.	0.
2	0.	MUERTA CUB	0.03198	0.	0.
2	0.65396	MUERTA CUB	0.03198	0.	0.01063
2	1.30792	MUERTA CUB	0.03198	0.	-3.211E-19
3	0.	DEAD	0.00019	0.	0.
3	0.65395	DEAD	0.00019	0.	0.00113
3	1.30791	DEAD	0.00019	0.	7.515E-20
3	0.	VIVA CUB	0.00037	0.	0.
3	0.65395	VIVA CUB	0.00037	0.	0.
3	1.30791	VIVA CUB	0.00037	0.	0.
3	0.	VCOMP	0.0003	0.	0.
3	0.65395	VCOMP	0.0003	0.	0.
3	1.30791	VCOMP	0.0003	0.	0.
3	0.	VSUCC	-0.0003	0.	0.
3	0.65395	VSUCC	-0.0003	0.	0.
3	1.30791	VSUCC	-0.0003	0.	0.
3	0.	MUERTA CUB	0.00205	0.	0.
3	0.65395	MUERTA CUB	0.00205	0.	0.01063
3	1.30791	MUERTA CUB	0.00205	0.	1.176E-17
6	0.	DEAD	6.129E-05	0.00082	-0.00851
6	0.4125	DEAD	6.129E-05	0.00053	-0.00469
6	0.825	DEAD	6.129E-05	0.00024	-0.00178
6	1.2375	DEAD	6.129E-05	-4.373E-05	0.00024
6	1.65	DEAD	6.129E-05	-0.00033	0.00135

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
			Tonf-m	Tonf-m	Tonf-m
6	0	VIVA CUB	0.00044	0.00635	-0.07933
6	0.4125	VIVA CUB	0.00044	0.00418	-0.03673
6	0.825	VIVA CUB	0.00044	0.00202	-0.00944
6	1.2375	VIVA CUB	0.00044	-0.00014	0.00253
6	1.65	VIVA CUB	0.00044	-0.00231	-0.00081
6	0	VCOMP	0.00035	0.00508	-0.06346
6	0.4125	VCOMP	0.00035	0.00335	-0.02938
6	0.825	VCOMP	0.00035	0.00162	-0.00755
6	1.2375	VCOMP	0.00035	-0.00011	0.00203
6	1.65	VCOMP	0.00035	-0.00184	-0.00065
6	0	VSUCC	-0.00035	-0.00508	0.06346
6	0.4125	VSUCC	-0.00035	-0.00335	0.02938
6	0.825	VSUCC	-0.00035	-0.00162	0.00755
6	1.2375	VSUCC	-0.00035	0.00011	-0.00203
6	1.65	VSUCC	-0.00035	0.00184	0.00065
6	0	MUERTA CUB	0.00056	0.00747	-0.07751
6	0.4125	MUERTA CUB	0.00056	0.00485	-0.043
6	0.825	MUERTA CUB	0.00056	0.00222	-0.01645
6	1.2375	MUERTA CUB	0.00056	-0.0004	0.00213
6	1.65	MUERTA CUB	0.00056	-0.00302	0.01276
7	0	DEAD	-2.082E-05	-0.00023	-0.00072
7	0.5	DEAD	-2.082E-05	-0.00014	0.00092
7	1	DEAD	-2.082E-05	-4.625E-05	0.00122
7	1.5	DEAD	-2.082E-05	4.799E-05	0.00021
7	2	DEAD	-2.082E-05	0.00014	-0.00213
7	0	VIVA CUB	-0.00016	-0.00207	-0.02072
7	0.5	VIVA CUB	-0.00016	-0.00124	0.00994
7	1	VIVA CUB	-0.00016	-0.00041	0.0181
7	1.5	VIVA CUB	-0.00016	0.00043	0.00376
7	2	VIVA CUB	-0.00016	0.00126	-0.03308
7	0	VCOMP	-0.00013	-0.00166	-0.01658
7	0.5	VCOMP	-0.00013	-0.00099	0.00795
7	1	VCOMP	-0.00013	-0.0003	0.01448
7	1.5	VCOMP	-0.00013	0.00034	0.00301
7	2	VCOMP	-0.00013	0.00101	-0.02646
7	0	VSUCC	0.00013	0.00166	0.01658
7	0.5	VSUCC	0.00013	0.00099	-0.00795
7	1	VSUCC	0.00013	0.00033	-0.01448
7	1.5	VSUCC	0.00013	-0.00034	-0.00301
7	2	VSUCC	0.00013	-0.00101	0.02646
7	0	MUERTA CUB	-0.00019	-0.00214	-0.00604
7	0.5	MUERTA CUB	-0.00019	-0.00128	0.00828
7	1	MUERTA CUB	-0.00019	-0.00042	0.01091
7	1.5	MUERTA CUB	-0.00019	0.00044	0.00184
7	2	MUERTA CUB	-0.00019	0.0013	-0.01893
8	0	DEAD	3.684E-06	5.925E-06	-0.00197
8	0.5	DEAD	3.684E-06	3.936E-06	9.450E-05
8	1	DEAD	3.684E-06	1.949E-06	0.00083
8	1.5	DEAD	3.684E-06	-3.865E-08	0.00025
8	2	DEAD	3.684E-06	-2.028E-06	-0.00109
8	0	VIVA CUB	2.845E-05	-2.230E-05	-0.03269
8	0.5	VIVA CUB	2.845E-05	-4.226E-07	0.00149
8	1	VIVA CUB	2.845E-05	2.106E-05	0.01456
8	1.5	VIVA CUB	2.845E-05	4.273E-05	0.00413

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station	OutputCase	T	M2	M3	
	m		Tonf-m	Tonf-m	Tonf-m	
8	2.	VIVA CUB	2.845E-05	6.441E-05	-0.0288	
8	0.	VCOMP	2.276E-05	-1.784E-05	-0.0267	
8	0.5	VCOMP	2.276E-05	-4.982E-07	0.00199	
8	1.	VCOMP	2.276E-05	1.684E-05	0.01165	
8	1.5	VCOMP	2.276E-05	3.419E-05	0.0033	
8	2.	VCOMP	2.276E-05	5.153E-05	-0.02304	
8	0.	VSUCC	-2.276E-05	1.784E-05	0.02567	
8	0.5	VSUCC	-2.276E-05	4.982E-07	-0.00199	
8	1.	VSUCC	-2.276E-05	-1.684E-05	-0.01165	
8	1.5	VSUCC	-2.276E-05	-3.419E-05	-0.0033	
8	2.	VSUCC	-2.276E-05	-5.153E-05	0.02304	
8	0.	MUERTA CUB	3.358E-05	5.583E-05	-0.01744	
8	0.5	MUERTA CUB	3.358E-05	3.655E-05	0.0008	
8	1.	MUERTA CUB	3.358E-05	1.728E-05	0.00735	
8	1.5	MUERTA CUB	3.358E-05	-2.000E-06	0.00219	
8	2.	MUERTA CUB	3.358E-05	-2.128E-05	-0.01466	
9	0.	DEAD	-3.418E-06	-2.051E-05	-0.0017	
9	0.5	DEAD	-3.418E-06	-1.005E-05	0.00023	
9	1.	DEAD	-3.418E-06	4.021E-07	0.00085	
9	1.5	DEAD	-3.418E-06	1.086E-05	0.00013	
9	2.	DEAD	-3.418E-06	2.131E-05	-0.00191	
9	0.	VIVA CUB	-2.374E-05	-0.00024	-0.02981	
9	0.5	VIVA CUB	-2.374E-05	-0.00012	0.00371	
9	1.	VIVA CUB	-2.374E-05	-3.698E-07	0.01473	
9	1.5	VIVA CUB	-2.374E-05	0.00012	0.00325	
9	2.	VIVA CUB	-2.374E-05	0.00024	-0.03073	
9	0.	VCOMP	-1.899E-05	-0.00019	-0.02385	
9	0.5	VCOMP	-1.899E-05	-9.492E-05	0.00297	
9	1.	VCOMP	-1.899E-05	-2.958E-07	0.01178	
9	1.5	VCOMP	-1.899E-05	9.433E-05	0.0026	
9	2.	VCOMP	-1.899E-05	0.00019	-0.02458	
9	0.	VSUCC	1.899E-05	0.00019	0.02385	
9	0.5	VSUCC	1.899E-05	9.492E-05	-0.00297	
9	1.	VSUCC	1.899E-05	2.958E-07	-0.01178	
9	1.5	VSUCC	1.899E-05	-9.433E-05	-0.0026	
9	2.	VSUCC	1.899E-05	-0.00019	0.02458	
9	0.	MUERTA CUB	-3.124E-05	-0.00018	-0.01499	
9	0.5	MUERTA CUB	-3.124E-05	-8.970E-05	0.00208	
9	1.	MUERTA CUB	-3.124E-05	3.433E-06	0.00746	
9	1.5	MUERTA CUB	-3.124E-05	9.656E-05	0.00113	
9	2.	MUERTA CUB	-3.124E-05	0.00019	-0.01589	
10	0.	DEAD	1.555E-05	9.690E-05	-0.00206	
10	0.5	DEAD	1.555E-05	3.015E-05	0.0002	
10	1.	DEAD	1.555E-05	-3.660E-05	0.00114	
10	1.5	DEAD	1.555E-05	-0.0001	0.00076	
10	2.	DEAD	1.555E-05	-0.00017	-0.00094	
10	0.	VIVA CUB	0.0001	0.00063	-0.03263	
10	0.5	VIVA CUB	0.0001	0.00018	0.00343	
10	1.	VIVA CUB	0.0001	-0.00028	0.01699	
10	1.5	VIVA CUB	0.0001	-0.00073	0.00806	
10	2.	VIVA CUB	0.0001	-0.00119	-0.02338	
10	0.	VCOMP	8.349E-05	0.0005	-0.02611	
10	0.5	VCOMP	8.349E-05	0.00014	0.00274	
10	1.	VCOMP	8.349E-05	-0.00022	0.0136	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station	OutputCase	T	M2	M3	
	m		Tonf-m	Tonf-m	Tonf-m	
10	1.5	VCOMP	8.349E-05	-0.00059	0.00645	
10	2.	VCOMP	8.349E-05	-0.00095	-0.0187	
10	0.	VSUCC	-8.349E-05	-0.0005	0.00311	
10	0.5	VSUCC	-8.349E-05	-0.00014	-0.00274	
10	1.	VSUCC	-8.349E-05	0.00022	-0.0136	
10	1.5	VSUCC	-8.349E-05	0.00059	-0.00645	
10	2.	VSUCC	-8.349E-05	0.00095	0.0187	
10	0.	MUERTA CUB	0.00014	0.00089	-0.01831	
10	0.5	MUERTA CUB	0.00014	0.00028	0.00179	
10	1.	MUERTA CUB	0.00014	-0.00034	0.0102	
10	1.5	MUERTA CUB	0.00014	-0.00095	0.00691	
10	2.	MUERTA CUB	0.00014	-0.00157	-0.00809	
11	0.	DEAD	-4.329E-05	-0.00028	0.00057	
11	0.4875	DEAD	-4.329E-05	-4.277E-05	0.00041	
11	0.975	DEAD	-4.329E-05	0.00019	-0.00101	
11	1.4625	DEAD	-4.329E-05	0.00042	-0.00368	
11	1.95	DEAD	-4.329E-05	0.00065	-0.00762	
11	0.	VIVA CUB	-0.00029	-0.00205	-0.01212	
11	0.4875	VIVA CUB	-0.00029	-0.00031	0.00482	
11	0.975	VIVA CUB	-0.00029	0.00143	0.00036	
11	1.4625	VIVA CUB	-0.00029	0.00317	-0.02548	
11	1.95	VIVA CUB	-0.00029	0.00491	-0.07271	
11	0.	VCOMP	-0.00023	-0.00164	-0.0097	
11	0.4875	VCOMP	-0.00023	-0.00025	0.00385	
11	0.975	VCOMP	-0.00023	0.00114	0.00029	
11	1.4625	VCOMP	-0.00023	0.00253	-0.02038	
11	1.95	VCOMP	-0.00023	0.00392	-0.05816	
11	0.	VSUCC	0.00023	0.00164	0.0097	
11	0.4875	VSUCC	0.00023	0.00025	-0.00385	
11	0.975	VSUCC	0.00023	-0.00114	-0.00029	
11	1.4625	VSUCC	0.00023	-0.00253	0.02038	
11	1.95	VSUCC	0.00023	-0.00392	0.05816	
11	0.	MUERTA CUB	-0.0004	-0.0025	0.00579	
11	0.4875	MUERTA CUB	-0.0004	-0.00038	0.0037	
11	0.975	MUERTA CUB	-0.0004	0.00173	-0.00951	
11	1.4625	MUERTA CUB	-0.0004	0.00384	-0.03384	
11	1.95	MUERTA CUB	-0.0004	0.00596	-0.0693	
16	0.	DEAD	-0.0031	0.	0.	
16	0.65396	DEAD	-0.0031	0.	0.00113	
16	1.30792	DEAD	-0.0031	0.	1.796E-19	
16	0.	VIVA CUB	-0.01883	0.	0.	
16	0.65396	VIVA CUB	-0.01883	0.	0.	
16	1.30792	VIVA CUB	-0.01883	0.	0.	
16	0.	VCOMP	-0.01506	0.	0.	
16	0.65396	VCOMP	-0.01506	0.	0.	
16	1.30792	VCOMP	-0.01506	0.	0.	
16	0.	VSUCC	0.01506	0.	0.	
16	0.65396	VSUCC	0.01506	0.	0.	
16	1.30792	VSUCC	0.01506	0.	0.	
16	0.	MUERTA CUB	-0.02921	0.	0.	
16	0.65396	MUERTA CUB	-0.02921	0.	0.01063	
16	1.30792	MUERTA CUB	-0.02921	0.	-3.211E-19	
17	0.	DEAD	-9.617E-05	0.	0.	
17	0.65396	DEAD	-9.617E-05	0.	0.00113	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station	OutputCase	T	M2	M3	
	m		Tonf-m	Tonf-m	Tonf-m	
17	1.30791	DEAD	-9.617E-05	0.	7.515E-20	
17	0.	VIVA CUB	-8.237E-05	0.	0.	
17	0.65395	VIVA CUB	-8.237E-05	0.	0.	
17	1.30791	VIVA CUB	-8.237E-05	0.	0.	
17	0.	VCOMP	-6.589E-05	0.	0.	
17	0.65395	VCOMP	-6.589E-05	0.	0.	
17	1.30791	VCOMP	-6.589E-05	0.	0.	
17	0.	VSUCC	6.589E-05	0.	0.	
17	0.65395	VSUCC	6.589E-05	0.	0.	
17	1.30791	VSUCC	6.589E-05	0.	0.	
17	0.	MUERTA CUB	-0.00117	0.	0.	
17	0.65395	MUERTA CUB	-0.00117	0.	0.01063	
17	1.30791	MUERTA CUB	-0.00117	0.	1.176E-17	
21	0.	DEAD	-0.00013	0.00072	-0.00608	
21	0.4125	DEAD	-0.00013	0.00046	-0.00298	
21	0.825	DEAD	-0.00013	0.0002	-0.0008	
21	1.2375	DEAD	-0.00013	-5.204E-05	0.00049	
21	1.65	DEAD	-0.00013	-0.00031	0.00088	
21	0.	VIVA CUB	-0.00094	0.00467	-0.0523	
21	0.4125	VIVA CUB	-0.00094	0.00308	-0.0185	
21	0.825	VIVA CUB	-0.00094	0.00149	-6.804E-06	
21	1.2375	VIVA CUB	-0.00094	-0.0001	0.00317	
21	1.65	VIVA CUB	-0.00094	-0.00169	-0.00897	
21	0.	VCOMP	-0.00075	0.00373	-0.04184	
21	0.4125	VCOMP	-0.00075	0.00246	-0.0148	
21	0.825	VCOMP	-0.00075	0.00119	-5.443E-06	
21	1.2375	VCOMP	-0.00075	-8.354E-05	0.00254	
21	1.65	VCOMP	-0.00075	-0.00136	-0.00719	
21	0.	VSUCC	0.00075	-0.00373	0.04184	
21	0.4125	VSUCC	0.00075	-0.00246	0.0148	
21	0.825	VSUCC	0.00075	-0.00119	5.443E-06	
21	1.2375	VSUCC	0.00075	8.354E-05	-0.00254	
21	1.65	VSUCC	0.00075	0.00136	0.00719	
21	0.	MUERTA CUB	-0.00124	0.00632	-0.05149	
21	0.4125	MUERTA CUB	-0.00124	0.00406	-0.02506	
21	0.825	MUERTA CUB	-0.00124	0.00181	-0.0086	
21	1.2375	MUERTA CUB	-0.00124	-0.00044	0.0039	
21	1.65	MUERTA CUB	-0.00124	-0.0027	0.00644	
22	0.	DEAD	3.022E-05	-3.154E-05	-0.00158	
22	0.5	DEAD	3.022E-05	-2.716E-05	0.0004	
22	1.	DEAD	3.022E-05	-2.279E-05	0.00107	
22	1.5	DEAD	3.022E-05	-1.841E-05	0.00041	
22	2.	DEAD	3.022E-05	-1.403E-05	-0.00158	
22	0.	VIVA CUB	0.00023	-0.00058	-0.02856	
22	0.5	VIVA CUB	0.00023	-0.0004	0.0064	
22	1.	VIVA CUB	0.00023	-0.00022	0.01686	
22	1.5	VIVA CUB	0.00023	-3.861E-05	0.00482	
22	2.	VIVA CUB	0.00023	0.00014	-0.02972	
22	0.	VCOMP	0.00019	-0.00046	-0.02125	
22	0.5	VCOMP	0.00019	-0.00032	0.00512	
22	1.	VCOMP	0.00019	-0.00017	0.01349	
22	1.5	VCOMP	0.00019	-3.889E-05	0.00386	
22	2.	VCOMP	0.00019	0.00011	-0.02377	
22	0.	VSUCC	-0.00019	0.00046	0.02125	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station	OutputCase	T	M2	M3	
	m		Tonf-m	Tonf-m	Tonf-m	
22	0.5	VSUCC	-0.00019	0.00032	-0.00512	
22	1.	VSUCC	-0.00019	0.00017	-0.01349	
22	1.5	VSUCC	-0.00019	3.889E-05	-0.00386	
22	2.	VSUCC	-0.00019	-0.00011	0.02377	
22	0.	MUERTA CUB	0.00028	-0.0003	-0.01366	
22	0.5	MUERTA CUB	0.00028	-0.00025	0.00375	
22	1.	MUERTA CUB	0.00028	-0.0002	0.00946	
22	1.5	MUERTA CUB	0.00028	-0.00016	0.00346	
22	2.	MUERTA CUB	0.00028	-0.00011	-0.01423	
23	0.	DEAD	-4.539E-06	4.140E-05	-0.02126	
23	0.5	DEAD	-4.539E-06	2.517E-05	-1.471E-05	
23	1.	DEAD	-4.539E-06	8.822E-06	0.0008	
23	1.5	DEAD	-4.539E-06	-7.405E-06	0.0003	
23	2.	DEAD	-4.539E-06	-2.369E-05	-0.00153	
23	0.	VIVA CUB	-3.508E-05	0.00016	-0.03283	
23	0.5	VIVA CUB	-3.508E-05	0.00011	0.00205	
23	1.	VIVA CUB	-3.508E-05	6.445E-05	0.01443	
23	1.5	VIVA CUB	-3.508E-05	1.540E-05	0.00332	
23	2.	VIVA CUB	-3.508E-05	-3.364E-05	-0.02693	
23	0.	VCOMP	-2.807E-05	0.00013	-0.02627	
23	0.5	VCOMP	-2.807E-05	0.079E-05	0.00164	
23	1.	VCOMP	-2.807E-05	5.156E-05	0.01155	
23	1.5	VCOMP	-2.807E-05	1.232E-05	0.00345	
23	2.	VCOMP	-2.807E-05	-2.691E-05	-0.02264	
23	0.	VSUCC	2.807E-05	-0.00013	0.02627	
23	0.5	VSUCC	2.807E-05	-0.079E-05	-0.00164	
23	1.	VSUCC	2.807E-05	-5.155E-05	-0.01155	
23	1.5	VSUCC	2.807E-05	-1.232E-05	-0.00345	
23	2.	VSUCC	2.807E-05	2.691E-05	0.02264	
23	0.	MUERTA CUB	-4.152E-05	0.00036	-0.01891	
23	0.5	MUERTA CUB	-4.152E-05	0.00022	-0.065E-05	
23	1.	MUERTA CUB	-4.152E-05	7.653E-05	0.00713	
23	1.5	MUERTA CUB	-4.152E-05	-6.524E-05	0.0026	
23	2.	MUERTA CUB	-4.152E-05	-0.00021	-0.01364	
24	0.	DEAD	-6.734E-06	-0.00017	0.00012	
24	0.5	DEAD	-4.536E-06	-8.362E-07	0.00027	
24	1.	DEAD	-4.536E-06	8.062E-06	0.00081	
24	1.5	DEAD	-4.536E-06	1.696E-05	7.942E-05	
24	2.	DEAD	-4.536E-06	2.586E-05	-0.00198	
24	0.	VIVA CUB	3.143E-05	-0.00019	-0.02977	
24	0.5	VIVA CUB	3.143E-05	-6.797E-05	0.00366	
24	1.	VIVA CUB	3.143E-05	4.735E-05	0.00359	
24	1.5	VIVA CUB	3.143E-05	0.00016	0.00302	
24	2.	VIVA CUB	3.143E-05	0.00028	-0.03105	
24	0.	VCOMP	2.515E-05	-0.00015	-0.02382	
24	0.5	VCOMP	2.515E-05	-5.583E-05	0.00293	
24	1.	VCOMP	2.515E-05	3.789E-05	0.01167	
24	1.5	VCOMP	2.515E-05	0.00013	0.00241	
24	2.	VCOMP	2.515E-05	0.00023	-0.02484	
24	0.	VSUCC	-2.515E-05	0.00015	0.02382	
24	0.5	VSUCC	-2.515E-05	5.583E-05	-0.00293	
24	1.	VSUCC	-2.515E-05	-3.789E-05	-0.01167	
24	1.5	VSUCC	-2.515E-05	-0.00013	-0.00241	
24	2.	VSUCC	-2.515E-05	-0.00023	0.02484	

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
24	0.	MUERTA CUB	4.173E-05	-8.120E-05	-0.01504
24	0.5	MUERTA CUB	4.173E-05	-5.821E-06	0.00193
24	1.	MUERTA CUB	4.173E-05	6.956E-05	0.0072
24	1.5	MUERTA CUB	4.173E-05	0.00014	0.00076
24	2.	MUERTA CUB	4.173E-05	0.00022	-0.01737
25	0.	DEAD	-2.336E-05	-6.944E-06	-0.00168
25	0.5	DEAD	-2.336E-05	-1.230E-05	0.00033
25	1.	DEAD	-2.336E-05	-1.765E-05	0.00102
25	1.5	DEAD	-2.336E-05	-2.300E-05	0.00038
25	2.	DEAD	-2.336E-05	-2.835E-05	-0.00158
25	0.	VIVA CUB	-0.00016	-0.00012	-0.03013
25	0.5	VIVA CUB	-0.00016	-0.00013	0.00419
25	1.	VIVA CUB	-0.00016	-0.00013	0.01601
25	1.5	VIVA CUB	-0.00016	-0.00013	0.00533
25	2.	VIVA CUB	-0.00016	-0.00013	-0.02785
25	0.	VCOMP	-0.00013	-9.976E-05	-0.0241
25	0.5	VCOMP	-0.00013	-0.0001	0.00335
25	1.	VCOMP	-0.00013	-0.0001	0.01281
25	1.5	VCOMP	-0.00013	-0.0001	0.00426
25	2.	VCOMP	-0.00013	-0.0001	-0.02228
25	0.	VSUCC	0.00013	9.976E-05	0.0241
25	0.5	VSUCC	0.00013	0.0001	-0.00335
25	1.	VSUCC	0.00013	0.0001	-0.01281
25	1.5	VSUCC	0.00013	0.0001	-0.00426
25	2.	VSUCC	0.00013	0.0001	0.02228
25	0.	MUERTA CUB	-0.00022	-4.115E-05	-0.0151
25	0.5	MUERTA CUB	-0.00022	-0.0001	0.00282
25	1.	MUERTA CUB	-0.00022	-0.00016	0.00905
25	1.5	MUERTA CUB	-0.00022	-0.00022	0.00357
25	2.	MUERTA CUB	-0.00022	-0.00028	-0.0136
26	0.	DEAD	9.959E-05	-0.00026	-8.586E-08
26	0.4875	DEAD	9.959E-05	-4.660E-05	0.0005
26	0.975	DEAD	9.959E-05	0.00016	-0.00025
26	1.4625	DEAD	9.959E-05	0.00037	-0.00226
26	1.95	DEAD	9.959E-05	0.00058	-0.00554
26	0.	VIVA CUB	0.00067	-0.00165	-0.01941
26	0.4875	VIVA CUB	0.00067	-0.00031	0.00473
26	0.975	VIVA CUB	0.00067	0.00104	0.00749
26	1.4625	VIVA CUB	0.00067	0.00238	-0.01114
26	1.95	VIVA CUB	0.00067	0.00373	-0.05116
26	0.	VCOMP	0.00053	-0.00132	-0.01553
26	0.4875	VCOMP	0.00053	-0.00025	0.00379
26	0.975	VCOMP	0.00053	0.00083	0.00599
26	1.4625	VCOMP	0.00053	0.00191	-0.00891
26	1.95	VCOMP	0.00053	0.00298	-0.04093
26	0.	VSUCC	-0.00053	0.00132	0.01553
26	0.4875	VSUCC	-0.00053	0.00025	-0.00379
26	0.975	VSUCC	-0.00053	-0.00083	-0.00599
26	1.4625	VSUCC	-0.00053	-0.00191	0.00891
26	1.95	VSUCC	-0.00053	-0.00298	0.04093
26	0.	MUERTA CUB	0.00093	-0.00223	-0.0011
26	0.4875	MUERTA CUB	0.00093	-0.00039	0.00408
26	0.975	MUERTA CUB	0.00093	0.00144	-0.00187
26	1.4625	MUERTA CUB	0.00093	0.00328	-0.01893

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
26	1.95	MUERTA CUB	0.00093	0.00511	-0.04712
32	0.	DEAD	0.00115	0.00182	0.00211
32	0.2873	DEAD	0.00115	0.0018	0.00107
32	0.5746	DEAD	0.00115	-0.00822	3.275E-05
32	0.	VIVA CUB	0.00825	0.07755	0.01446
32	0.2873	VIVA CUB	0.00825	0.01734	0.00738
32	0.5746	VIVA CUB	0.00825	0.04286	0.00029
32	0.	VCOMP	0.0066	0.06204	0.01157
32	0.2873	VCOMP	0.0066	0.01387	0.0059
32	0.5746	VCOMP	0.0066	-0.03429	0.00023
32	0.	VSUCC	-0.0066	-0.06204	-0.01157
32	0.2873	VSUCC	-0.0066	-0.01387	-0.0059
32	0.5746	VSUCC	-0.0066	0.03429	-0.00023
32	0.	MUERTA CUB	0.01133	0.09885	0.02025
32	0.2873	MUERTA CUB	0.01133	0.01662	0.01032
32	0.5746	MUERTA CUB	0.01133	-0.06561	0.00039
34	0.	DEAD	-0.00043	-0.00182	0.00684
34	0.416	DEAD	-0.00043	-0.00085	0.00485
34	0.832	DEAD	-0.00043	0.00012	0.00195
34	1.248	DEAD	-0.00043	0.00109	-0.00187
34	1.664	DEAD	-0.00043	0.00206	-0.0066
34	2.08	DEAD	-0.00043	0.00303	-0.01226
34	0.	VIVA CUB	-0.0303	-0.01108	0.04253
34	0.416	VIVA CUB	-0.0303	-0.00456	0.02283
34	0.832	VIVA CUB	-0.0303	0.00195	0.00312
34	1.248	VIVA CUB	-0.0303	0.00846	-0.01658
34	1.664	VIVA CUB	-0.0303	0.01497	-0.03628
34	2.08	VIVA CUB	-0.0303	0.02149	-0.05598
34	0.	VCOMP	-0.00243	-0.00886	0.03402
34	0.416	VCOMP	-0.00243	-0.00365	0.01826
34	0.832	VCOMP	-0.00243	0.00156	0.0025
34	1.248	VCOMP	-0.00243	0.00677	-0.01326
34	1.664	VCOMP	-0.00243	0.01198	-0.02902
34	2.08	VCOMP	-0.00243	0.01719	-0.04478
34	0.	VSUCC	0.00243	0.00886	-0.03402
34	0.416	VSUCC	0.00243	0.00365	-0.01826
34	0.832	VSUCC	0.00243	-0.00156	-0.0025
34	1.248	VSUCC	0.00243	-0.00677	0.01326
34	1.664	VSUCC	0.00243	-0.01198	0.02902
34	2.08	VSUCC	0.00243	-0.01719	0.04478
34	0.	MUERTA CUB	-0.00415	-0.01692	0.04887
34	0.416	MUERTA CUB	-0.00415	-0.00767	0.03849
34	0.832	MUERTA CUB	-0.00415	0.00158	0.01563
34	1.248	MUERTA CUB	-0.00415	0.01083	-0.01387
34	1.664	MUERTA CUB	-0.00415	0.02008	-0.05202
34	2.08	MUERTA CUB	-0.00415	0.02933	-0.09882
35	0.	DEAD	-0.00039	0.00188	-0.00403
35	0.4125	DEAD	-0.00039	0.00135	-0.00154
35	0.825	DEAD	-0.00039	0.00082	5.945E-05
35	1.2375	DEAD	-0.00039	0.00029	0.00075
35	1.65	DEAD	-0.00039	-0.00024	0.00064
35	0.	VIVA CUB	-0.00274	0.01324	-0.01311
35	0.4125	VIVA CUB	-0.00274	0.00952	-0.00731
35	0.825	VIVA CUB	-0.00274	0.00581	-0.00152

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
35	1.2375	VIVA CUB	-0.00274	0.00209	0.00428
35	1.65	VIVA CUB	-0.00274	-0.00163	0.01008
35	0.	VCOMP	-0.00219	0.01059	-0.01049
35	0.4125	VCOMP	-0.00219	0.00762	-0.00585
35	0.825	VCOMP	-0.00219	0.00464	-0.00121
35	1.2375	VCOMP	-0.00219	0.00167	0.00343
35	1.65	VCOMP	-0.00219	-0.0013	0.00806
35	0.	VSUCC	0.00219	-0.01059	0.01049
35	0.4125	VSUCC	0.00219	-0.00762	0.00585
35	0.825	VSUCC	0.00219	-0.00464	0.00121
35	1.2375	VSUCC	0.00219	-0.00167	-0.00343
35	1.65	VSUCC	0.00219	0.00013	-0.00806
35	0.	MUERTA CUB	-0.00376	0.018	-0.03321
35	0.4125	MUERTA CUB	-0.00376	0.01291	-0.01155
35	0.825	MUERTA CUB	-0.00376	0.00783	0.00161
35	1.2375	MUERTA CUB	-0.00376	0.00275	0.00626
35	1.65	MUERTA CUB	-0.00376	-0.00233	0.0024
36	0.	DEAD	2.272E-05	-0.00012	-0.00227
36	0.5	DEAD	2.272E-05	-9.425E-05	-5.030E-05
36	1.	DEAD	2.272E-05	-6.377E-05	0.00084
36	1.5	DEAD	2.272E-05	-3.329E-05	0.00041
36	2.	DEAD	2.272E-05	-2.805E-06	-0.00134
36	0.	VIVA CUB	0.00018	-0.00094	-0.00453
36	0.5	VIVA CUB	0.00018	-0.00071	-0.00263
36	1.	VIVA CUB	0.00018	-0.00047	-0.00072
36	1.5	VIVA CUB	0.00018	-0.00024	0.00119
36	2.	VIVA CUB	0.00018	-1.729E-06	0.00309
36	0.	VCOMP	0.00014	-0.00076	-0.00362
36	0.5	VCOMP	0.00014	-0.00057	-0.0021
36	1.	VCOMP	0.00014	-0.00038	-0.00058
36	1.5	VCOMP	0.00014	-0.00019	0.00095
36	2.	VCOMP	0.00014	-1.383E-06	0.00247
36	0.	VSUCC	-0.00014	0.00076	0.00362
36	0.5	VSUCC	-0.00014	0.00057	0.0021
36	1.	VSUCC	-0.00014	0.00038	0.00058
36	1.5	VSUCC	-0.00014	0.00019	-0.00095
36	2.	VSUCC	-0.00014	1.383E-06	-0.00247
36	0.	MUERTA CUB	0.00021	-0.00122	-0.02085
36	0.5	MUERTA CUB	0.00021	-0.00091	-0.00019
36	1.	MUERTA CUB	0.00021	-0.00061	0.00797
36	1.5	MUERTA CUB	0.00021	-0.00031	0.00363
36	2.	MUERTA CUB	0.00021	-6.696E-06	-0.01321
37	0.	DEAD	-2.558E-06	9.838E-06	-0.00202
37	0.5	DEAD	-2.558E-06	7.111E-06	7.104E-05
37	1.	DEAD	-2.558E-06	4.385E-06	0.00084
37	1.5	DEAD	-2.558E-06	1.658E-06	0.00029
37	2.	DEAD	-2.558E-06	-1.068E-06	-0.00159
37	0.	VIVA CUB	-1.761E-05	4.334E-05	-0.00139
37	0.5	VIVA CUB	-1.761E-05	3.741E-05	-0.00076
37	1.	VIVA CUB	-1.761E-05	3.148E-05	-0.00014
37	1.5	VIVA CUB	-1.761E-05	2.554E-05	0.00048
37	2.	VIVA CUB	-1.761E-05	1.961E-05	0.0011
37	0.	VCOMP	-1.409E-05	3.467E-05	-0.00111
37	0.5	VCOMP	-1.409E-05	2.993E-05	-0.00061

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
37	1.	VCOMP	-1.409E-05	2.518E-05	-0.00011
37	1.5	VCOMP	-1.409E-05	2.043E-05	0.00038
37	2.	VCOMP	-1.409E-05	1.569E-05	0.00088
37	0.	VSUCC	1.409E-05	-3.467E-05	0.00111
37	0.5	VSUCC	1.409E-05	-2.993E-05	0.00061
37	1.	VSUCC	1.409E-05	-2.518E-05	0.00011
37	1.5	VSUCC	1.409E-05	-2.043E-05	-0.00038
37	2.	VSUCC	1.409E-05	-1.569E-05	-0.00088
37	0.	MUERTA CUB	-2.450E-05	9.327E-05	-0.01874
37	0.5	MUERTA CUB	-2.450E-05	6.738E-05	0.00088
37	1.	MUERTA CUB	-2.450E-05	4.149E-05	0.008
37	1.5	MUERTA CUB	-2.450E-05	1.560E-05	0.00262
37	2.	MUERTA CUB	-2.450E-05	-1.030E-05	-0.01525
38	0.	DEAD	4.728E-06	3.014E-07	-0.00177
38	0.5	DEAD	4.728E-06	4.374E-06	0.0002
38	1.	DEAD	4.728E-06	8.447E-06	0.00084
38	1.5	DEAD	4.728E-06	1.252E-05	0.00016
38	2.	DEAD	4.728E-06	1.659E-05	-0.00194
38	0.	VIVA CUB	3.161E-05	-1.796E-05	-0.00042
38	0.5	VIVA CUB	3.161E-05	-1.859E-05	-0.00031
38	1.	VIVA CUB	3.161E-05	5.514E-05	-0.0002
38	1.5	VIVA CUB	3.161E-05	9.169E-05	-9.705E-05
38	2.	VIVA CUB	3.161E-05	0.00013	1.041E-05
38	0.	VCOMP	2.529E-05	-1.437E-05	-0.00034
38	0.5	VCOMP	2.529E-05	1.487E-05	-0.00025
38	1.	VCOMP	2.529E-05	4.411E-05	-0.0016
38	1.5	VCOMP	2.529E-05	7.336E-05	-7.764E-05
38	2.	VCOMP	2.529E-05	0.0001	8.331E-06
38	0.	VSUCC	-2.529E-05	1.437E-05	0.00034
38	0.5	VSUCC	-2.529E-05	-1.487E-05	0.00025
38	1.	VSUCC	-2.529E-05	-4.411E-05	0.00016
38	1.5	VSUCC	-2.529E-05	-7.336E-05	7.764E-05
38	2.	VSUCC	-2.529E-05	-0.0001	-8.331E-06
38	0.	MUERTA CUB	4.515E-05	1.837E-06	-0.0168
38	0.5	MUERTA CUB	4.515E-05	4.100E-05	0.00186
38	1.	MUERTA CUB	4.515E-05	8.017E-05	0.00082
38	1.5	MUERTA CUB	4.515E-05	0.00012	0.00167
38	2.	MUERTA CUB	4.515E-05	0.00016	-0.01717
39	0.	DEAD	-2.070E-05	1.893E-05	-0.00148
39	0.5	DEAD	-2.070E-05	-2.874E-05	0.00033
39	1.	DEAD	-2.070E-05	-7.642E-05	0.00082
39	1.5	DEAD	-2.070E-05	-0.00012	-2.001E-05
39	2.	DEAD	-2.070E-05	-0.00017	-0.00219
39	0.	VIVA CUB	-0.00014	0.00011	0.0014
39	0.5	VIVA CUB	-0.00014	-0.0002	0.0005
39	1.	VIVA CUB	-0.00014	-0.00051	-0.00051
39	1.5	VIVA CUB	-0.00014	-0.00083	-0.00147
39	2.	VIVA CUB	-0.00014	-0.00114	-0.00242
39	0.	VCOMP	-0.00011	8.814E-05	0.00112
39	0.5	VCOMP	-0.00011	0.00016	0.00026
39	1.	VCOMP	-0.00011	-0.00041	-0.00041
39	1.5	VCOMP	-0.00011	-0.00066	-0.00117
39	2.	VCOMP	-0.00011	-0.00091	-0.00194
39	0.	VSUCC	0.00011	-8.814E-05	-0.00112

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
39	0.5	VSUCC	0.00011	0.00016	-0.00036
	1.	VSUCC	0.00011	0.00041	0.00041
39	1.5	VSUCC	0.00011	0.00066	0.00117
39	2.	VSUCC	0.00011	0.00091	0.00194
39	0.	MUERTA CUB	-0.0002	0.0002	-0.01433
39	0.5	MUERTA CUB	-0.0002	-0.00027	0.00295
39	1.	MUERTA CUB	-0.0002	-0.00073	0.00772
39	1.5	MUERTA CUB	-0.0002	-0.0012	-5.193E-06
39	2.	MUERTA CUB	-0.0002	-0.00166	-0.02023
40	0.	DEAD	0.00032	-0.00032	-0.00037
40	0.4875	DEAD	0.00032	0.00019	0.00066
40	0.975	DEAD	0.00032	0.00069	0.00046
40	1.4625	DEAD	0.00032	0.0012	-0.00102
40	1.95	DEAD	0.00032	0.00171	-0.00375
40	0.	VIVA CUB	0.00212	-0.00213	0.00641
40	0.4875	VIVA CUB	0.00212	0.00125	0.00246
40	0.975	VIVA CUB	0.00212	0.00462	-0.00149
40	1.4625	VIVA CUB	0.00212	0.008	-0.00544
40	1.95	VIVA CUB	0.00212	0.01137	-0.00939
40	0.	VCOMP	0.0017	-0.0017	0.00513
40	0.4875	VCOMP	0.0017	0.001	0.00197
40	0.975	VCOMP	0.0017	0.0037	-0.00119
40	1.4625	VCOMP	0.0017	0.0064	-0.00435
40	1.95	VCOMP	0.0017	0.0091	-0.00751
40	0.	VSUCC	-0.0017	0.0017	-0.00513
40	0.4875	VSUCC	-0.0017	-0.001	-0.00197
40	0.975	VSUCC	-0.0017	-0.0037	0.00119
40	1.4625	VSUCC	-0.0017	-0.0064	0.00435
40	1.95	VSUCC	-0.0017	-0.0091	0.00751
40	0.	MUERTA CUB	0.00308	-0.00306	-0.00566
40	0.4875	MUERTA CUB	0.00308	0.0018	0.00571
40	0.975	MUERTA CUB	0.00308	0.00666	0.0052
40	1.4625	MUERTA CUB	0.00308	0.01151	-0.00719
40	1.95	MUERTA CUB	0.00308	0.01637	-0.03146
41	0.	DEAD	0.00042	0.00286	-0.01132
41	0.4925	DEAD	0.00042	0.00172	-0.00498
41	0.985	DEAD	0.00042	0.00058	7.141E-05
41	1.4775	DEAD	0.00042	-0.00056	0.00384
41	1.97	DEAD	0.00042	-0.00169	0.00632
41	0.	VIVA CUB	0.00285	0.01915	-0.04938
41	0.4925	VIVA CUB	0.00285	0.0119	-0.02764
41	0.985	VIVA CUB	0.00285	0.00464	-0.00589
41	1.4775	VIVA CUB	0.00285	-0.00261	0.01585
41	1.97	VIVA CUB	0.00285	-0.00987	0.0376
41	0.	VCOMP	0.00228	0.01532	-0.03951
41	0.4925	VCOMP	0.00228	0.00952	-0.02211
41	0.985	VCOMP	0.00228	0.00371	-0.00471
41	1.4775	VCOMP	0.00228	-0.00209	0.01268
41	1.97	VCOMP	0.00228	-0.00789	0.03008
41	0.	VSUCC	-0.00228	-0.01532	0.03951
41	0.4925	VSUCC	-0.00228	-0.00952	0.02211
41	0.985	VSUCC	-0.00228	-0.00371	0.00471
41	1.4775	VSUCC	-0.00228	0.00209	-0.01268
41	1.97	VSUCC	-0.00228	0.00789	-0.03008

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
41	0.	MUERTA CUB	0.00414	0.02772	-0.09098
	0.4925	MUERTA CUB	0.00414	0.01685	-0.03887
41	0.985	MUERTA CUB	0.00414	0.00598	0.00112
41	1.4775	MUERTA CUB	0.00414	-0.00489	0.02897
41	1.97	MUERTA CUB	0.00414	-0.01576	0.0447
43	0.	DEAD	-0.00012	-0.00413	-0.00036
43	0.2873	DEAD	-0.00012	-0.00066	3.007E-05
43	0.5746	DEAD	-0.00012	0.00281	0.00042
43	0.	VIVA CUB	-0.00068	-0.02989	-0.00253
43	0.2873	VIVA CUB	-0.00068	-0.00764	0.0002
43	0.5746	VIVA CUB	-0.00068	0.01461	0.00232
43	0.	VCOMP	-0.00055	-0.02391	-0.00202
43	0.2873	VCOMP	-0.00055	-0.00611	0.00016
43	0.5746	VCOMP	-0.00055	0.01169	0.00234
43	0.	VSUCC	0.00055	0.02391	0.00202
43	0.2873	VSUCC	0.00055	0.00611	-0.00016
43	0.5746	VSUCC	0.00055	-0.01169	-0.00234
43	0.	MUERTA CUB	-0.00112	-0.03596	-0.00345
43	0.2873	MUERTA CUB	-0.00112	-0.00591	0.00026
43	0.5746	MUERTA CUB	-0.00112	0.02325	0.00397
44	0.	DEAD	-1.264E-05	-0.00044	1.289E-05
44	0.2873	DEAD	-1.264E-05	0.00012	-6.194E-06
44	0.5746	DEAD	-1.264E-05	0.00068	-2.528E-05
44	0.	VIVA CUB	-4.507E-05	-0.0018	7.924E-05
44	0.2873	VIVA CUB	-4.507E-05	0.00134	-5.961E-05
44	0.5746	VIVA CUB	-4.507E-05	0.00448	-0.0002
44	0.	VCOMP	-3.606E-05	-0.00144	6.339E-05
44	0.2873	VCOMP	-3.606E-05	0.00107	-4.769E-05
44	0.5746	VCOMP	-3.606E-05	0.00358	-0.00016
44	0.	VSUCC	3.606E-05	0.00144	-6.339E-05
44	0.2873	VSUCC	3.606E-05	-0.00107	4.769E-05
44	0.5746	VSUCC	3.606E-05	-0.00358	0.00016
44	0.	MUERTA CUB	-9.997E-05	-0.00329	0.00014
44	0.2873	MUERTA CUB	-9.997E-05	0.00112	-5.000E-05
44	0.5746	MUERTA CUB	-9.997E-05	0.00553	-0.00024
45	0.	DEAD	-1.369E-06	-0.0002	-5.278E-07
45	0.2873	DEAD	-1.369E-06	-8.526E-06	3.379E-06
45	0.5746	DEAD	-1.369E-06	0.00018	7.286E-06
45	0.	VIVA CUB	3.757E-05	-0.0018	4.002E-07
45	0.2873	VIVA CUB	3.757E-05	-0.00014	2.481E-05
45	0.5746	VIVA CUB	3.757E-05	0.00152	4.923E-05
45	0.	VCOMP	3.006E-05	-0.00144	3.202E-07
45	0.2873	VCOMP	3.006E-05	-0.00011	1.985E-05
45	0.5746	VCOMP	3.006E-05	0.00122	3.938E-05
45	0.	VSUCC	-3.006E-05	0.00144	-3.202E-07
45	0.2873	VSUCC	-3.006E-05	0.00011	-1.985E-05
45	0.5746	VSUCC	-3.006E-05	-0.00122	-3.938E-05
45	0.	MUERTA CUB	-1.213E-05	-0.00169	-5.122E-06
45	0.2873	MUERTA CUB	-1.213E-05	-7.259E-05	3.226E-05
45	0.5746	MUERTA CUB	-1.213E-05	0.00155	6.964E-05
46	0.	DEAD	-2.336E-06	0.00013	3.404E-05
46	0.2873	DEAD	-2.336E-06	-0.00012	4.306E-06
46	0.5746	DEAD	-2.336E-06	-0.00036	-2.543E-05
46	0.	VIVA CUB	1.807E-05	-0.00033	0.00023

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
46	0.2873	VIVA CUB	1.807E-05	-0.00086	2.567E-05
46	0.5746	VIVA CUB	1.807E-05	-0.00139	-0.00017
46	0.	VCOMP	1.445E-05	-0.00027	0.00018
46	0.2873	VCOMP	1.445E-05	-0.00069	2.053E-05
46	0.5746	VCOMP	1.445E-05	-0.00111	-0.00014
46	0.	VSUCC	-1.445E-05	0.00027	-0.00018
46	0.2873	VSUCC	-1.445E-05	0.00069	-2.053E-05
46	0.5746	VSUCC	-1.445E-05	0.00111	0.00014
46	0.	MUERTA CUB	-3.872E-05	0.0007	0.00034
46	0.2873	MUERTA CUB	-3.872E-05	-0.00107	4.879E-05
46	0.5746	MUERTA CUB	-3.872E-05	-0.00284	-0.00024
47	0.	DEAD	0.00014	-0.00301	-0.00031
47	0.2873	DEAD	0.00014	0.00059	1.718E-05
47	0.5746	DEAD	0.00014	-0.00182	0.00034
47	0.	VIVA CUB	0.00099	0.01768	-0.00207
47	0.2873	VIVA CUB	0.00099	0.00443	9.625E-05
47	0.5746	VIVA CUB	0.00099	-0.00883	0.00226
47	0.	VCOMP	0.00079	0.01415	-0.00166
47	0.2873	VCOMP	0.00079	0.00354	7.700E-05
47	0.5746	VCOMP	0.00079	-0.00706	0.00181
47	0.	VSUCC	-0.00079	-0.01415	0.00166
47	0.2873	VSUCC	-0.00079	-0.00354	-7.700E-05
47	0.5746	VSUCC	-0.00079	0.00706	-0.00181
47	0.	MUERTA CUB	0.0014	0.02537	-0.00298
47	0.2873	MUERTA CUB	0.0014	0.0054	0.00015
47	0.5746	MUERTA CUB	0.0014	-0.01457	0.00328
48	0.	DEAD	-0.00116	-0.01119	0.00203
48	0.2873	DEAD	-0.00116	-0.00181	0.00106
48	0.5746	DEAD	-0.00116	0.00756	0.0001
48	0.	VIVA CUB	-0.00778	-0.06698	0.01317
48	0.2873	VIVA CUB	-0.00778	-0.01349	0.00695
48	0.5746	VIVA CUB	-0.00778	0.04	0.00073
48	0.	VCOMP	-0.00622	-0.05358	0.01054
48	0.2873	VCOMP	-0.00622	-0.01079	0.00556
48	0.5746	VCOMP	-0.00622	0.032	0.00058
48	0.	VSUCC	0.00622	0.05358	-0.01054
48	0.2873	VSUCC	0.00622	0.01079	-0.00556
48	0.5746	VSUCC	0.00622	-0.032	-0.00058
48	0.	MUERTA CUB	-0.01135	-0.09328	0.01946
48	0.2873	MUERTA CUB	-0.01135	-0.01688	0.01026
48	0.5746	MUERTA CUB	-0.01135	0.05952	0.00106
49	0.	DEAD	-0.00709	0.	0.
49	0.68478	DEAD	-0.00709	0.	0.00118
49	1.36955	DEAD	-0.00709	0.	4.995E-20
49	0.	VIVA CUB	-0.04096	0.	0.
49	0.68478	VIVA CUB	-0.04096	0.	0.
49	1.36955	VIVA CUB	-0.04096	0.	0.
49	0.	VCOMP	-0.03277	0.	0.
49	0.68478	VCOMP	-0.03277	0.	0.
49	1.36955	VCOMP	-0.03277	0.	0.
49	0.	VSUCC	0.03277	0.	0.
49	0.68478	VSUCC	0.03277	0.	0.
49	1.36955	VSUCC	0.03277	0.	0.
49	0.	MUERTA CUB	-0.06582	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
49	0.68478	MUERTA CUB	-0.06582	0.	0.01113
49	1.36955	MUERTA CUB	-0.06582	0.	7.044E-18
50	0.	DEAD	0.00773	0.	0.
50	0.68478	DEAD	0.00773	0.	0.00118
50	1.36955	DEAD	0.00773	0.	4.995E-20
50	0.	VIVA CUB	0.04674	0.	0.
50	0.68478	VIVA CUB	0.04674	0.	0.
50	1.36955	VIVA CUB	0.04674	0.	0.
50	0.	VCOMP	0.0374	0.	0.
50	0.68478	VCOMP	0.0374	0.	0.
50	1.36955	VCOMP	0.0374	0.	0.
50	0.	VSUCC	-0.0374	0.	0.
50	0.68478	VSUCC	-0.0374	0.	0.
50	1.36955	VSUCC	-0.0374	0.	0.
50	0.	MUERTA CUB	0.0718	0.	0.
50	0.68478	MUERTA CUB	0.0718	0.	0.0

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
59	0.76021	VCOMP	-0.00339	0.02201	0.00182
59	1.52043	VCOMP	0.00339	-0.00387	0.00291
59	0.	VSUCC	0.00339	-0.0479	-0.00073
59	0.76021	VSUCC	0.00339	-0.02201	-0.00182
59	1.52043	VSUCC	0.00339	0.00387	-0.00291
59	0.	MUERTA CUB	-0.00539	0.07655	0.00091
59	0.76021	MUERTA CUB	-0.00539	0.03499	0.00206
59	1.52043	MUERTA CUB	-0.00539	-0.00657	0.00321
60	0.	DEAD	-0.00068	0.00969	-0.00182
60	0.76015	DEAD	0.0046	0.0046	0.00132
60	1.52031	DEAD	-0.00068	-0.00068	-0.00067
60	0.	VIVA CUB	-0.00502	0.06889	4.661E-05
60	0.76015	VIVA CUB	-0.00502	0.03267	0.00011
60	1.52031	VIVA CUB	-0.00502	-0.00355	0.00017
60	0.	VCOMP	-0.00401	0.05512	3.729E-05
60	0.76015	VCOMP	-0.00401	0.02614	8.847E-05
60	1.52031	VCOMP	-0.00401	-0.00284	0.00014
60	0.	VSUCC	0.00401	-0.05512	-3.729E-05
60	0.76015	VSUCC	0.00401	-0.02614	-8.847E-05
60	1.52031	VSUCC	0.00401	0.00284	-0.00014
60	0.	MUERTA CUB	-0.00629	0.08898	6.124E-06
60	0.76015	MUERTA CUB	-0.00629	0.04117	8.709E-05
60	1.52031	MUERTA CUB	-0.00629	-0.00664	0.00017
61	0.	DEAD	-5.736E-05	0.00056	-0.00094
61	0.84391	DEAD	-5.736E-05	-0.00028	0.00138
61	1.68782	DEAD	-5.736E-05	-0.00112	-0.00222
61	0.	VIVA CUB	-0.00043	0.0044	7.481E-05
61	0.84391	VIVA CUB	-0.00043	-0.00196	3.988E-05
61	1.68782	VIVA CUB	-0.00043	-0.00832	4.958E-06
61	0.	VCOMP	-0.00035	0.00352	5.985E-05
61	0.84391	VCOMP	-0.00035	-0.00157	3.191E-05
61	1.68782	VCOMP	-0.00035	-0.00666	3.966E-06
61	0.	VSUCC	0.00035	-0.00352	-5.985E-05
61	0.84391	VSUCC	0.00035	0.00157	-3.191E-05
61	1.68782	VSUCC	0.00035	0.00666	-3.966E-06
61	0.	MUERTA CUB	-0.00051	0.00499	0.00013
61	0.84391	MUERTA CUB	-0.00051	-0.00251	-2.071E-05
61	1.68782	MUERTA CUB	-0.00051	-0.01001	-0.00017
62	0.	DEAD	8.566E-05	-0.0011	-0.00093
62	0.76027	DEAD	8.566E-05	-0.00052	0.00165
62	1.52054	DEAD	8.566E-05	5.730E-06	-0.00111
62	0.	VIVA CUB	0.00066	-0.00881	0.00125
62	0.76027	VIVA CUB	0.00066	-0.00421	0.00072
62	1.52054	VIVA CUB	0.00066	0.00038	0.00018
62	0.	VCOMP	0.00053	-0.00705	0.001
62	0.76027	VCOMP	0.00053	-0.00337	0.00057
62	1.52054	VCOMP	0.00053	0.00031	0.00015
62	0.	VSUCC	-0.00053	0.00705	-0.001
62	0.76027	VSUCC	-0.00053	0.00337	-0.00057
62	1.52054	VSUCC	-0.00053	-0.00031	-0.00015
62	0.	MUERTA CUB	0.00077	0.00988	-7.151E-05
62	0.76027	MUERTA CUB	0.00077	-0.0047	-0.00012
62	1.52054	MUERTA CUB	0.00077	0.00048	-0.00017
63	0.	DEAD	0.00015	-0.00207	-0.00154

CEYCO

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
63	0.76021	DEAD	0.00015	-0.00094	0.00154
63	1.52043	DEAD	0.00015	0.00019	-0.00071
63	0.	VIVA CUB	0.00015	-0.01624	0.00011
63	0.76021	VIVA CUB	0.00015	-0.00744	0.00048
63	1.52043	VIVA CUB	0.00015	0.00136	0.00084
63	0.	VCOMP	0.00092	-0.01299	9.110E-05
63	0.76021	VCOMP	0.00092	-0.00595	0.00038
63	1.52043	VCOMP	0.00092	0.00109	0.00067
63	0.	VSUCC	-0.00092	0.01299	-9.110E-05
63	0.76021	VSUCC	-0.00092	0.00595	-0.00038
63	1.52043	VSUCC	-0.00092	-0.00109	-0.00067
63	0.	MUERTA CUB	0.00135	-0.01891	-0.00013
63	0.76021	MUERTA CUB	0.00135	-0.00856	-0.00022
63	1.52043	MUERTA CUB	0.00135	0.00179	-0.0003
64	0.	DEAD	0.00016	-0.00236	-0.00182
64	0.76015	DEAD	0.00016	-0.00105	0.00131
64	1.52031	DEAD	0.00016	-0.00184	-0.00089
64	0.	VIVA CUB	0.00131	-0.01864	-1.622E-05
64	0.76015	VIVA CUB	0.00131	-0.00864	1.558E-05
64	1.52031	VIVA CUB	0.00131	0.00135	4.738E-05
64	0.	VCOMP	0.00104	-0.01492	-1.298E-05
64	0.76015	VCOMP	0.00104	-0.00692	1.246E-05
64	1.52031	VCOMP	0.00104	0.00108	3.791E-05
64	0.	VSUCC	-0.00104	0.01492	1.298E-05
64	0.76015	VSUCC	-0.00104	0.00692	-1.246E-05
64	1.52031	VSUCC	-0.00104	-0.00108	-3.791E-05
64	0.	MUERTA CUB	0.00147	-0.02154	-1.819E-05
64	0.76015	MUERTA CUB	0.00147	-0.00963	-1.391E-05
64	1.52031	MUERTA CUB	0.00147	0.00229	-9.631E-06
65	0.	DEAD	3.772E-06	-7.128E-05	-0.00096
65	0.84391	DEAD	3.772E-06	2.376E-06	0.00139
65	1.68782	DEAD	3.772E-06	7.604E-05	-0.00218
65	0.	VIVA CUB	3.740E-05	-0.00056	-5.234E-05
65	0.84391	VIVA CUB	3.740E-05	0.00001	0.00012
65	1.68782	VIVA CUB	3.740E-05	0.00077	0.00029
65	0.	VCOMP	2.992E-05	-0.00045	-4.187E-05
65	0.84391	VCOMP	2.992E-05	8.286E-05	9.597E-05
65	1.68782	VCOMP	2.992E-05	0.00061	0.00023
65	0.	VSUCC	-2.992E-05	0.00045	4.187E-05
65	0.84391	VSUCC	-2.992E-05	-8.286E-05	-9.597E-05
65	1.68782	VSUCC	-2.992E-05	-0.00061	-0.00023
65	0.	MUERTA CUB	3.767E-05	-0.00067	-3.326E-05
65	0.84391	MUERTA CUB	3.767E-05	5.262E-05	6.974E-05
65	1.68782	MUERTA CUB	3.767E-05	0.00077	0.00017
66	0.	DEAD	-7.525E-06	0.00014	-0.00076
66	0.76027	DEAD	-7.525E-06	7.154E-05	0.00176
66	1.52054	DEAD	-7.525E-06	3.224E-06	-0.00105
66	0.	VIVA CUB	-6.588E-05	0.00008	0.00259
66	0.76027	VIVA CUB	-6.588E-05	0.00054	0.00161
66	1.52054	VIVA CUB	-6.588E-05	-1.051E-05	0.00064
66	0.	VCOMP	-5.271E-05	0.00087	0.00207
66	0.76027	VCOMP	-5.271E-05	0.00043	0.00129
66	1.52054	VCOMP	-5.271E-05	-8.409E-06	0.00051
66	0.	VSUCC	5.271E-05	-0.00087	-0.00207

CEYCO

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
66	0.76027	VSUCC	5.271E-05	-0.00043	-0.00129
66	1.52054	VSUCC	5.271E-05	8.409E-06	-0.00051
66	0.	MUERTA CUB	-7.249E-05	0.00129	0.00145
66	0.76027	MUERTA CUB	-7.249E-05	0.00066	0.00091
66	1.52054	MUERTA CUB	-7.249E-05	1.934E-05	0.00037
67	0.	DEAD	-2.041E-05	0.00033	-0.0015
67	0.76021	DEAD	-2.041E-05	0.00015	0.00164
67	1.52043	DEAD	-2.041E-05	-3.306E-05	-0.00054
67	0.	VIVA CUB	-0.00015	0.00237	0.00044
67	0.76021	VIVA CUB	-0.00015	0.00106	0.0013
67	1.52043	VIVA CUB	-0.00015	-0.00026	0.00215
67	0.	VCOMP	-0.00012	0.00019	0.00025
67	0.76021	VCOMP	-0.00012	0.00084	0.00104
67	1.52043	VCOMP	-0.00012	-0.00021	0.00172
67	0.	VSUCC	0.00012	-0.00019	-0.00035
67	0.76021	VSUCC	0.00012	-0.00084	-0.00104
67	1.52043	VSUCC	0.00012	0.00021	-0.00172
67	0.	MUERTA CUB	-0.00019	0.003	0.00026
67	0.76021	MUERTA CUB	-0.00019	0.00134	0.00075
67	1.52043	MUERTA CUB	-0.00019	-0.00031	0.00123
68	0.	DEAD	-2.276E-05	0.00037	-0.00182
68	0.76015	DEAD	-2.276E-05	0.00016	0.00132
68	1.52031	DEAD	-2.276E-05	-5.070E-05	-0.00088
68	0.	VIVA CUB	-0.00016	0.00268	2.665E-05
68	0.76015	VIVA CUB	-0.00016	0.00113	6.377E-05
68	1.52031	VIVA CUB	-0.00016	-0.00042	0.0001
68	0.	VCOMP	-0.00013	0.00214	2.132E-05
68	0.76015	VCOMP	-0.00013	0.0009	5.101E-05
68	1.52031	VCOMP	-0.00013	-0.00034	8.070E-05
68	0.	VSUCC	0.00013	-0.00214	-2.132E-05
68	0.76015	VSUCC	0.00013	-0.0009	-5.101E-05
68	1.52031	VSUCC	0.00013	0.00034	-8.070E-05
68	0.	MUERTA CUB	-0.00021	0.00344	2.198E-05
68	0.76015	MUERTA CUB	-0.00021	0.00148	3.908E-05
68	1.52031	MUERTA CUB	-0.00021	-0.00049	5.619E-05
69	0.	DEAD	-1.334E-06	7.743E-06	-0.00096
69	0.84391	DEAD	-1.334E-06	-9.047E-06	0.00139
69	1.68782	DEAD	-1.334E-06	-2.584E-05	-0.00219
69	0.	VIVA CUB	-1.425E-05	0.00014	-4.292E-05
69	0.84391	VIVA CUB	-1.425E-05	-5.630E-05	0.0001
69	1.68782	VIVA CUB	-1.425E-05	-0.00026	0.00025
69	0.	VCOMP	-1.140E-05	0.00011	-3.434E-05
69	0.84391	VCOMP	-1.140E-05	-4.504E-05	8.271E-05
69	1.68782	VCOMP	-1.140E-05	-0.0002	0.0002
69	0.	VSUCC	1.140E-05	-0.00011	3.434E-05
69	0.84391	VSUCC	1.140E-05	4.504E-05	-8.271E-05
69	1.68782	VSUCC	1.140E-05	0.0002	-0.0002
69	0.	MUERTA CUB	-1.147E-05	6.528E-05	-2.122E-05
69	0.84391	MUERTA CUB	-1.147E-05	-7.821E-05	5.127E-05
69	1.68782	MUERTA CUB	-1.147E-05	-0.00022	0.00012
70	0.	DEAD	1.711E-06	-1.532E-05	-0.00079
70	0.76027	DEAD	1.711E-06	-6.481E-06	0.00174
70	1.52054	DEAD	1.711E-06	2.357E-06	-0.00106
70	0.	VIVA CUB	2.192E-05	-0.0003	0.00235

CEYCO

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T	M2	M3
			Tonf-m	Tonf-m	Tonf-m
70	0.76027	VIVA CUB	2.192E-05	-0.00015	0.00145
70	1.52054	VIVA CUB	2.192E-05	1.037E-05	0.00055
70	0.	VCOMP	1.753E-05	-0.00024	0.00188
70	0.76027	VCOMP	1.753E-05	-0.00012	0.00116
70	1.52054	VCOMP	1.753E-05	8.299E-06	0.00044
70	0.	VSUCC	-1.753E-05	0.00024	-0.00188
70	0.76027	VSUCC	-1.753E-05	0.00012	-0.00116
70	1.52054	VSUCC	-1.753E-05	-8.299E-06	-0.00044
70	0.	MUERTA CUB	1.466E-05	-0.00013	0.00118
70	0.76027	MUERTA CUB	1.466E-05	-5.475E-05	0.00073
70	1.52054	MUERTA CUB	1.466E-05	2.003E-05	0.00027
71	0.	DEAD	1.849E-06	-1.957E-05	-0.00151
71	0.76021	DEAD	1.849E-06	-9.224E-06	0.00162
71	1.52043	DEAD	1.849E-06	1.121E-06	-0.00057
71	0.	VIVA CUB	3.218E-05	-0.00047	0.00038
71	0.76021	VIVA CUB	3.218E-05	-0.00023	0.00115
71	1.52043	VIVA CUB	3.218E-05	1.717E-05	0.00191
71	0.	VCOMP	2.575E-05	-0.00039	0.0003
71	0.76021	VCOMP	2.575E-05	0.00018	0.00092
71	1.52043	VCOMP	2.575E-05	1.374E-05	0.00153
71	0.	VSUCC	-2.575E-05	0.00038	-0.0003
71	0.76021	VSUCC	-2.575E-05	0.00018	-0.00092
71	1.52043	VSUCC	-2.575E-05	-1.374E-05	-0.00153
71	0.	MUERTA CUB	1.584E-05	-0.00017	0.00018
71	0.76021	MUERTA CUB	1.584E-05	-7.861E-05	0.00057
71	1.52043	MUERTA CUB	1.584E-05	9.251E-06	0.00095
72	0.	DEAD	1.935E-06	-2.145E-05	-0.00182
72	0.76015	DEAD	1.935E-06	-1.137E-05	0.00131
72	1.52031	DEAD	1.935E-06	8.949E-07	-0.00088
72	0.	VIVA CUB	4.446E-05	-0.00058	1.048E-05
72	0.76015	VIVA CUB	4.446E-05	-0.0003	5.160E-05
72	1.52031	VIVA CUB	4.446E-05	-1.997E-05	9.272E-05
72	0.	VCOMP	3.557E-05	-0.00047	8.383E-06
72	0.76015	VCOMP	3.557E-05	-0.00024	4.128E-05
72	1.52031	VCOMP	3.557E-05	-1.598E-05	7.445E-05
72	0.	VSUCC	-3.557E-05	0.00047	-8.383E-06
72	0.76015	VSUCC	-3.557E-05	0.00024	-4.128E-05
72	1.52031	VSUCC	-3.557E-05	1.598E-05	-7.441E-05
72	0.	MUERTA CUB	1.662E-05	-0.0002	3.877E-06
72	0.76015	MUERTA CUB	1.662E-05	-9.777E-05	2.505E-05
72	1.52031	MUERTA CUB	1.662E-05	7.136E-06	4.622E-05
73	0.	DEAD	6.877E-06	-6.877E-05	-0.00139
73	0.84391	DEAD	-4.771E-06	-1.359E-05	0.00139
73	1.68782	DEAD	-4.771E-06	-9.605E-05	-0.00218
73	0.	VIVA CUB	-3.959E-05	0.00055	-5.666E-05
73	0.84391	VIVA CUB	-3.959E-05	-0.00011	0.00012
73	1.68782	VIVA CUB	-3.959E-05	-0.00078	0.00029
73	0.	VCOMP	-3.167E-05	0.00044	-5.433E-05
73	0.84391	VCOMP	-3.167E-05	-9.313E-05	9.276E-05
73	1.68782	VCOMP	-3.167E-05	-0.00063	0.00023
73	0.	VSUCC	3.167E-05	-0.00044	5.433E-05
73	0.84391	VSUCC	3.167E-05	9.313E-05	-9.276E-05
73	1.68782	VSUCC	3.167E-05	0.00062	-0.00023
73	0.	MUERTA CUB	-4.587E-05	0.00064	-4.065E-05

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
73	0.84391	MUERTA CUB	-4.587E-05	-0.00015	6.737E-05
73	1.68782	MUERTA CUB	-4.587E-05	-0.00083	0.00018
74	0.	DEAD	8.377E-06	-0.00013	-0.00076
74	0.76027	DEAD	8.377E-06	-6.723E-05	0.00176
74	1.52054	DEAD	8.377E-06	-4.856E-07	-0.00105
74	0.	VIVA CUB	6.853E-05	-0.00109	0.00254
74	0.76027	VIVA CUB	6.853E-05	-0.00054	0.00158
74	1.52054	VIVA CUB	6.853E-05	2.907E-06	0.00062
74	0.	VCOMP	5.482E-05	-0.00087	0.00203
74	0.76027	VCOMP	5.482E-05	-0.00043	0.00127
74	1.52054	VCOMP	5.482E-05	2.325E-06	0.00005
74	0.	VSUCC	-5.482E-05	0.00087	-0.00203
74	0.76027	VSUCC	-5.482E-05	0.00043	-0.00127
74	1.52054	VSUCC	-5.482E-05	-2.325E-06	-0.00005
74	0.	MUERTA CUB	7.911E-05	-0.00123	0.00143
74	0.76027	MUERTA CUB	7.911E-05	-0.00061	0.00009
74	1.52054	MUERTA CUB	7.911E-05	3.376E-06	0.00037
75	0.	DEAD	2.019E-05	-0.00031	-0.00015
75	0.76021	DEAD	2.019E-05	-0.00014	0.00164
75	1.52043	DEAD	2.019E-05	3.171E-05	-0.00055
75	0.	VIVA CUB	0.00015	-0.00234	0.00043
75	0.76021	VIVA CUB	0.00015	-0.00106	0.00127
75	1.52043	VIVA CUB	0.00015	0.00022	0.00211
75	0.	VCOMP	0.00012	-0.00187	0.00034
75	0.76021	VCOMP	0.00012	-0.00085	0.00102
75	1.52043	VCOMP	0.00012	0.00018	0.00169
75	0.	VSUCC	-0.00012	0.00187	-0.00034
75	0.76021	VSUCC	-0.00012	0.00085	-0.00102
75	1.52043	VSUCC	-0.00012	-0.00018	-0.00169
75	0.	MUERTA CUB	0.00019	-0.00283	0.00025
75	0.76021	MUERTA CUB	0.00019	-0.00126	0.00073
75	1.52043	MUERTA CUB	0.00019	0.00003	0.00121
76	0.	DEAD	2.130E-05	-0.00034	-0.00182
76	0.76015	DEAD	2.130E-05	-0.00015	0.00132
76	1.52031	DEAD	2.130E-05	4.607E-05	-0.00088
76	0.	VIVA CUB	0.00017	-0.00265	1.931E-05
76	0.76015	VIVA CUB	0.00017	-0.00118	5.999E-05
76	1.52031	VIVA CUB	0.00017	0.00029	0.00001
76	0.	VCOMP	0.00014	-0.00212	1.545E-05
76	0.76015	VCOMP	0.00014	-0.00095	4.799E-05
76	1.52031	VCOMP	0.00014	0.00023	8.054E-05
76	0.	VSUCC	-0.00014	0.00212	-1.545E-05
76	0.76015	VSUCC	-0.00014	0.00095	-4.799E-05
76	1.52031	VSUCC	-0.00014	-0.00023	-8.054E-05
76	0.	MUERTA CUB	0.00002	-0.00316	1.444E-05
76	0.76015	MUERTA CUB	0.00002	-0.00136	3.576E-05
76	1.52031	MUERTA CUB	0.00002	0.00045	5.708E-05
77	0.	DEAD	4.812E-05	-0.00047	-0.00094
77	0.84391	DEAD	4.812E-05	0.00024	0.00138
77	1.68782	DEAD	4.812E-05	0.00095	-0.00221
77	0.	VIVA CUB	0.00031	-0.00304	4.715E-05
77	0.84391	VIVA CUB	0.00031	0.00153	6.686E-05
77	1.68782	VIVA CUB	0.00031	0.00611	8.621E-05
77	0.	VCOMP	0.00025	-0.00243	3.772E-05

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
77	0.84391	VCOMP	0.00025	0.00123	5.334E-05
77	1.68782	VCOMP	0.00025	0.00489	6.897E-05
77	0.	VSUCC	-0.00025	-0.00489	-3.772E-05
77	0.84391	VSUCC	-0.00025	-0.00123	-5.334E-05
77	1.68782	VSUCC	-0.00025	-0.00489	-6.897E-05
77	0.	MUERTA CUB	0.00043	-0.00421	0.00011
77	0.84391	MUERTA CUB	0.00043	0.00213	2.151E-06
77	1.68782	MUERTA CUB	0.00043	0.00043	-0.00001
78	0.	DEAD	-7.189E-05	0.00092	-0.00089
78	0.76027	DEAD	-7.189E-05	0.00044	0.00167
78	1.52054	DEAD	-7.189E-05	-4.546E-05	-0.00011
78	0.	VIVA CUB	-0.00047	0.006	0.00171
78	0.76027	VIVA CUB	-0.00047	0.00286	0.00102
78	1.52054	VIVA CUB	-0.00047	-0.00028	0.00032
78	0.	VCOMP	-0.00037	0.00048	0.00137
78	0.76027	VCOMP	-0.00037	0.00229	0.00081
78	1.52054	VCOMP	-0.00037	-0.00022	0.00026
78	0.	VSUCC	0.00037	-0.00048	-0.00137
78	0.76027	VSUCC	0.00037	0.00229	-0.00081
78	1.52054	VSUCC	0.00037	-0.00022	-0.00026
78	0.	MUERTA CUB	-0.00065	0.00829	0.00032
78	0.76027	MUERTA CUB	-0.00065	0.00395	0.00014
78	1.52054	MUERTA CUB	-0.00065	-0.00038	-4.499E-05
79	0.	DEAD	-0.00013	0.00181	-0.00153
79	0.76021	DEAD	-0.00013	0.00081	0.00156
79	1.52043	DEAD	-0.00013	-0.00018	-0.00067
79	0.	VIVA CUB	-0.00085	0.00186	0.00021
79	0.76021	VIVA CUB	-0.00085	0.00535	0.00074
79	1.52043	VIVA CUB	-0.00085	-0.00116	0.00127
79	0.	VCOMP	-0.00068	0.00949	0.00017
79	0.76021	VCOMP	-0.00068	0.00428	0.00059
79	1.52043	VCOMP	-0.00068	-0.00093	0.00101
79	0.	VSUCC	0.00068	-0.00949	-0.00017
79	0.76021	VSUCC	0.00068	-0.00428	-0.00059
79	1.52043	VSUCC	0.00068	0.00093	-0.00101
79	0.	MUERTA CUB	-0.00118	0.01657	-4.943E-05
79	0.76021	MUERTA CUB	-0.00118	0.00745	1.053E-05
79	1.52043	MUERTA CUB	-0.00118	-0.00168	7.048E-05
80	0.	DEAD	-0.00013	0.00202	-0.00182
80	0.76015	DEAD	-0.00013	0.00089	0.00131
80	1.52031	DEAD	-0.00013	-0.00025	-0.00088
80	0.	VIVA CUB	-0.0009	0.01326	1.550E-06
80	0.76015	VIVA CUB	-0.0009	0.00591	3.245E-05
80	1.52031	VIVA CUB	-0.0009	-0.00143	6.335E-05
80	0.	VCOMP	-0.00072	0.01061	1.240E-06
80	0.76015	VCOMP	-0.00072	0.00473	2.596E-05
80	1.52031	VCOMP	-0.00072	-0.00115	5.068E-05
80	0.	VSUCC	0.00072	-0.01061	-1.240E-06
80	0.76015	VSUCC	0.00072	-0.00473	-2.596E-05
80	1.52031	VSUCC	0.00072	0.00115	-5.068E-05
80	0.	MUERTA CUB	-0.00124	0.01855	-6.499E-07
80	0.76015	MUERTA CUB	-0.00124	0.00814	1.286E-06
80	1.52031	MUERTA CUB	-0.00124	-0.00228	3.222E-06
81	0.	DEAD	-0.00019	0.00219	-0.00107

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
81	0.84391	DEAD	-0.00019	-0.00084	0.00141
81	1.68782	DEAD	-0.00019	-0.00386	-0.00202
81	0.	VIVA CUB	-0.00133	0.01483	-0.00081
81	0.84391	VIVA CUB	-0.00133	-0.00593	0.00025
81	1.68782	VIVA CUB	-0.00133	-0.0267	0.00131
81	0.	VCOMP	-0.00107	0.01187	-0.00065
81	0.84391	VCOMP	-0.00107	-0.00475	0.00002
81	1.68782	VCOMP	-0.00107	-0.02136	0.00105
81	0.	VSUCC	0.00107	-0.01187	0.00065
81	0.84391	VSUCC	0.00107	0.00475	-0.00002
81	1.68782	VSUCC	0.00107	0.02136	-0.00105
81	0.	MUERTA CUB	-0.00179	0.02031	-0.00115
81	0.84391	MUERTA CUB	-0.00179	-0.00802	0.00026
81	1.68782	MUERTA CUB	-0.00179	-0.03615	0.00166
82	0.	DEAD	0.00031	-0.0042	-0.00063
82	0.76027	DEAD	0.00031	-0.00203	0.00187
82	1.52054	DEAD	0.00031	0.00013	-0.00095
82	0.	VIVA CUB	0.00211	-0.0285	0.00348
82	0.76027	VIVA CUB	0.00211	-0.01375	0.00238
82	1.52054	VIVA CUB	0.00211	0.001	0.00129
82	0.	VCOMP	0.00169	-0.0228	0.00278
82	0.76027	VCOMP	0.00169	-0.011	0.0019
82	1.52054	VCOMP	0.00169	0.0008	0.00103
82	0.	VSUCC	-0.00169	0.0228	-0.00278
82	0.76027	VSUCC	-0.00169	0.011	-0.0019
82	1.52054	VSUCC	-0.00169	-0.0008	-0.00103
82	0.	MUERTA CUB	0.00284	-0.0384	0.00257
82	0.76027	MUERTA CUB	0.00284	-0.01856	0.00193
82	1.52054	MUERTA CUB	0.00284	0.00129	0.00129
83	0.	DEAD	0.00058	-0.00822	-0.00144
83	0.76021	DEAD	0.00058	-0.00376	0.00177
83	1.52043	DEAD	0.00058	0.00071	-0.00036
83	0.	VIVA CUB	0.0039	-0.05498	0.00086
83	0.76021	VIVA CUB	0.0039	-0.02518	0.00214
83	1.52043	VIVA CUB	0.0039	0.00461	0.00343
83	0.	VCOMP	0.00312	0.04398	0.00069
83	0.76021	VCOMP	0.00312	-0.02015	0.00172
83	1.52043	VCOMP	0.00312	0.00369	0.00275
83	0.	VSUCC	-0.00312	0.04398	-0.00069
83	0.76021	VSUCC	-0.00312	0.02015	-0.00172
83	1.52043	VSUCC	-0.00312	-0.00369	-0.00275
83	0.	MUERTA CUB	0.00535	-0.07578	0.00085
83	0.76021	MUERTA CUB	0.00535	-0.03454	0.00019
83	1.52043	MUERTA CUB	0.00535	0.0067	0.00296
84	0.	DEAD	0.00067	-0.00953	-0.00182
84	0.76015	DEAD	0.00067	-0.0044	0.00132
84	1.52031	DEAD	0.00067	0.00074	-0.00087
84	0.	VIVA CUB	0.00457	-0.06308	3.438E-05
84	0.76015	VIVA CUB	0.00457	-0.02967	0.0001
84	1.52031	VIVA CUB	0.00457	0.00375	0.00017
84	0.	VCOMP	0.00365	-0.05046	2.751E-05
84	0.76015	VCOMP	0.00365	-0.02373	8.809E-05
84	1.52031	VCOMP	0.00365	0.003	0.00013
84	0.	VSUCC	-0.00365	0.05046	-2.751E-05

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
84	0.76015	VSUCC	-0.00365	0.02373	-8.090E-05
84	1.52031	VSUCC	-0.00365	-0.003	-0.00013
84	0.	MUERTA CUB	0.00616	-0.08769	-3.742E-06
84	0.76015	MUERTA CUB	0.00616	-0.04026	-7.764E-05
84	1.52031	MUERTA CUB	0.00616	0.00717	0.00016
85	0.	DEAD	-0.00062	-0.00061	0.00081
85	0.416	DEAD	-0.00062	0.00015	0.00

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
87	1.97	VSUCC	-0.00334	0.00242	-0.02284
87	0.	MUERTA CUB	0.00609	0.00301	-0.06344
87	0.4925	MUERTA CUB	0.00609	0.00134	-0.03
87	0.985	MUERTA CUB	0.00609	0.01258	0.01208
87	1.4775	MUERTA CUB	0.00609	0.00382	0.04281
87	1.97	MUERTA CUB	0.00609	-0.00495	0.06219
90	0.	DEAD	4.958E-06	-1.757E-06	-0.00108
90	0.5	DEAD	4.958E-06	-1.348E-06	0.00067
90	1.	DEAD	4.958E-06	-9.385E-07	0.00109
90	1.5	DEAD	4.958E-06	-5.281E-07	0.00019
90	2.	DEAD	4.958E-06	-1.198E-07	-0.00033
90	0.	VIVA CUB	4.612E-05	-1.635E-05	0.002
90	0.5	VIVA CUB	4.612E-05	-1.254E-05	0.0013
90	1.	VIVA CUB	4.612E-05	-8.730E-06	0.00061
90	1.5	VIVA CUB	4.612E-05	-4.922E-06	-8.106E-05
90	2.	VIVA CUB	4.612E-05	-1.114E-06	-0.00077
90	0.	VCOMP	3.690E-05	-1.308E-05	0.0016
90	0.5	VCOMP	3.690E-05	-1.003E-05	0.00104
90	1.	VCOMP	3.690E-05	-6.984E-06	0.00049
90	1.5	VCOMP	3.690E-05	-3.937E-06	-6.484E-05
90	2.	VCOMP	3.690E-05	-8.912E-07	-0.00062
90	0.	VSUCC	-3.690E-05	1.308E-05	-0.0016
90	0.5	VSUCC	-3.690E-05	1.003E-05	-0.00104
90	1.	VSUCC	-3.690E-05	6.984E-06	-0.00049
90	1.5	VSUCC	-3.690E-05	3.937E-06	-6.484E-05
90	2.	VSUCC	-3.690E-05	8.912E-07	-0.00062
90	0.	MUERTA CUB	4.925E-05	-1.745E-05	-0.01028
90	0.5	MUERTA CUB	4.925E-05	-1.339E-05	0.00625
90	1.	MUERTA CUB	4.925E-05	-9.321E-06	0.01028
90	1.5	MUERTA CUB	4.925E-05	-5.255E-06	0.00182
90	2.	MUERTA CUB	4.925E-05	-1.189E-06	-0.01915
91	0.	DEAD	4.252E-06	-1.198E-07	-0.00186
91	0.5	DEAD	4.252E-06	-8.963E-08	0.00016
91	1.	DEAD	4.252E-06	-5.949E-08	0.00086
91	1.5	DEAD	4.252E-06	-2.939E-08	0.00023
91	2.	DEAD	4.252E-06	7.779E-10	-0.00173
91	0.	VIVA CUB	3.955E-05	-1.114E-06	-0.00026
91	0.5	VIVA CUB	3.955E-05	-8.337E-07	-0.00017
91	1.	VIVA CUB	3.955E-05	-5.534E-07	-7.850E-05
91	1.5	VIVA CUB	3.955E-05	-2.731E-07	1.327E-05
91	2.	VIVA CUB	3.955E-05	7.236E-09	0.00011
91	0.	VCOMP	3.164E-05	-8.912E-07	-0.00023
91	0.5	VCOMP	3.164E-05	-6.670E-07	-0.00014
91	1.	VCOMP	3.164E-05	-4.427E-07	-6.280E-05
91	1.5	VCOMP	3.164E-05	-2.185E-07	1.061E-05
91	2.	VCOMP	3.164E-05	5.788E-09	8.402E-05
91	0.	VSUCC	-3.164E-05	8.912E-07	0.00021
91	0.5	VSUCC	-3.164E-05	6.670E-07	0.00014
91	1.	VSUCC	-3.164E-05	4.427E-07	6.280E-05
91	1.5	VSUCC	-3.164E-05	2.185E-07	-1.061E-05
91	2.	VSUCC	-3.164E-05	-5.788E-09	-8.402E-05
91	0.	MUERTA CUB	4.223E-05	-1.189E-06	-0.0175
91	0.5	MUERTA CUB	4.223E-05	-8.902E-07	0.00154
91	1.	MUERTA CUB	4.223E-05	-5.909E-07	0.00809

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
91	1.5	MUERTA CUB	4.223E-05	-2.916E-07	0.00214
91	2.	MUERTA CUB	4.223E-05	7.726E-09	-0.01832
92	0.	DEAD	4.299E-06	7.779E-10	-0.00168
92	0.5	DEAD	4.299E-06	5.654E-08	0.00025
92	1.	DEAD	4.299E-06	1.123E-07	0.00084
92	1.5	DEAD	4.299E-06	1.681E-07	0.00012
92	2.	DEAD	4.299E-06	2.238E-07	-0.00193
92	0.	VIVA CUB	3.999E-05	7.236E-09	0.00023
92	0.5	VIVA CUB	3.999E-05	5.259E-07	6.934E-05
92	1.	VIVA CUB	3.999E-05	1.045E-06	-9.610E-05
92	1.5	VIVA CUB	3.999E-05	1.683E-06	-0.00026
92	2.	VIVA CUB	3.999E-05	2.082E-06	-0.00043
92	0.	VCOMP	3.199E-05	5.788E-09	0.00019
92	0.5	VCOMP	3.199E-05	4.207E-07	5.547E-05
92	1.	VCOMP	3.199E-05	3.837E-07	-7.693E-05
92	1.5	VCOMP	3.199E-05	1.251E-06	-0.00021
92	2.	VCOMP	3.199E-05	1.666E-06	-0.00034
92	0.	VSUCC	-3.199E-05	-5.788E-09	-0.00019
92	0.5	VSUCC	-3.199E-05	-4.207E-07	-5.547E-05
92	1.	VSUCC	-3.199E-05	-3.837E-07	7.693E-05
92	1.5	VSUCC	-3.199E-05	-1.251E-06	0.00021
92	2.	VSUCC	-3.199E-05	-1.666E-06	0.00034
92	0.	MUERTA CUB	4.270E-05	7.726E-09	-0.01585
92	0.5	MUERTA CUB	4.270E-05	5.616E-07	0.00231
92	1.	MUERTA CUB	4.270E-05	1.115E-06	0.00797
92	1.5	MUERTA CUB	4.270E-05	1.669E-06	0.00113
92	2.	MUERTA CUB	4.270E-05	2.223E-06	-0.01821
93	0.	DEAD	5.281E-06	2.238E-07	-0.00209
93	0.5	DEAD	5.281E-06	8.063E-07	0.0002
93	1.	DEAD	5.281E-06	1.389E-06	0.00117
93	1.5	DEAD	5.281E-06	1.971E-06	0.00081
93	2.	DEAD	5.281E-06	2.554E-06	-0.00087
93	0.	VIVA CUB	4.912E-05	2.082E-06	-0.00079
93	0.5	VIVA CUB	4.912E-05	7.500E-06	-3.322E-05
93	1.	VIVA CUB	4.912E-05	1.292E-05	0.00072
93	1.5	VIVA CUB	4.912E-05	1.834E-05	0.00148
93	2.	VIVA CUB	4.912E-05	2.375E-05	0.00224
93	0.	VCOMP	3.930E-05	1.666E-06	-0.00063
93	0.5	VCOMP	3.930E-05	6.000E-06	-2.657E-05
93	1.	VCOMP	3.930E-05	1.033E-05	0.00058
93	1.5	VCOMP	3.930E-05	1.467E-05	0.00119
93	2.	VCOMP	3.930E-05	1.900E-05	0.00179
93	0.	VSUCC	-3.930E-05	-1.666E-06	0.00063
93	0.5	VSUCC	-3.930E-05	-6.000E-06	2.657E-05
93	1.	VSUCC	-3.930E-05	-1.033E-05	-0.00058
93	1.5	VSUCC	-3.930E-05	-1.467E-05	-0.00119
93	2.	VSUCC	-3.930E-05	-1.900E-05	-0.00179
93	0.	MUERTA CUB	5.245E-05	2.223E-06	-0.01967
93	0.5	MUERTA CUB	5.245E-05	8.008E-06	0.00193
93	1.	MUERTA CUB	5.245E-05	1.379E-05	0.01104
93	1.5	MUERTA CUB	5.245E-05	1.958E-05	0.00764
93	2.	MUERTA CUB	5.245E-05	2.536E-05	-0.00826
94	0.	DEAD	8.042E-06	2.554E-06	0.00086
94	0.4125	DEAD	8.042E-06	4.256E-06	0.00019

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
94	0.825	DEAD	8.042E-06	5.959E-06	-0.00137
94	1.2375	DEAD	8.042E-06	7.661E-06	-0.00384
94	1.65	DEAD	8.042E-06	9.364E-06	-0.00721
94	0.	VIVA CUB	7.480E-05	2.375E-05	0.00661
94	0.4125	VIVA CUB	7.480E-05	3.959E-05	0.00047
94	0.825	VIVA CUB	7.480E-05	5.543E-05	-0.00567
94	1.2375	VIVA CUB	7.480E-05	7.127E-05	-0.01181
94	1.65	VIVA CUB	7.480E-05	8.710E-05	-0.01795
94	0.	VCOMP	5.984E-05	1.900E-05	0.00529
94	0.4125	VCOMP	5.984E-05	3.167E-05	0.00038
94	0.825	VCOMP	5.984E-05	4.434E-05	-0.00454
94	1.2375	VCOMP	5.984E-05	5.701E-05	-0.00945
94	1.65	VCOMP	5.984E-05	6.968E-05	-0.01436
94	0.	VSUCC	-5.984E-05	-1.900E-05	-0.00529
94	0.4125	VSUCC	-5.984E-05	-3.167E-05	-0.00038
94	0.825	VSUCC	-5.984E-05	-4.434E-05	0.00454
94	1.2375	VSUCC	-5.984E-05	-5.701E-05	0.00945
94	1.65	VSUCC	-5.984E-05	-6.968E-05	0.01436
94	0.	MUERTA CUB	7.987E-05	2.536E-05	0.00786
94	0.4125	MUERTA CUB	7.987E-05	4.227E-05	0.00181
94	0.825	MUERTA CUB	7.987E-05	5.919E-05	-0.01275
94	1.2375	MUERTA CUB	7.987E-05	7.610E-05	-0.03582
94	1.65	MUERTA CUB	7.987E-05	9.301E-05	-0.06739
95	0.	DEAD	-2.285E-17	0.00029	0.00044
95	0.416	DEAD	-2.285E-17	-4.878E-05	-0.00175
95	0.832	DEAD	-2.285E-17	-0.00039	-0.00487
95	1.248	DEAD	-2.285E-17	-0.00072	-0.0089
95	1.664	DEAD	-2.285E-17	-0.00106	-0.01385
95	2.08	DEAD	-2.285E-17	-0.0014	-0.01972
95	0.	VIVA CUB	-3.235E-16	0.00206	0.02464
95	0.416	VIVA CUB	-3.235E-16	-0.00037	0.01658
95	0.832	VIVA CUB	-3.235E-16	-0.00279	-0.00705
95	1.248	VIVA CUB	-3.235E-16	-0.00521	-0.04626
95	1.664	VIVA CUB	-3.235E-16	-0.00764	-0.10104
95	2.08	VIVA CUB	-3.235E-16	-0.01006	-0.1714
95	0.	VCOMP	-2.589E-16	0.00165	0.01971
95	0.416	VCOMP	-2.589E-16	0.00029	0.01327
95	0.832	VCOMP	-2.589E-16	-0.00223	-0.00564
95	1.248	VCOMP	-2.589E-16	-0.00417	-0.03701
95	1.664	VCOMP	-2.589E-16	-0.00611	-0.08083
95	2.08	VCOMP	-2.589E-16	-0.00805	-0.13712
95	0.	VSUCC	2.589E-16	-0.00165	-0.01971
95	0.416	VSUCC	2.589E-16	0.00029	-0.01327
95	0.832	VSUCC	2.589E-16	0.00223	0.00564
95	1.248	VSUCC	2.589E-16	0.00417	0.03701
95	1.664	VSUCC	2.589E-16	0.00611	0.08083
95	2.08	VSUCC	2.589E-16	0.00805	0.13712
95	0.	MUERTA CUB	-2.037E-16	0.00263	0.00342
95	0.416	MUERTA CUB	-2.037E-16	-0.0007	-0.01707
95	0.832	MUERTA CUB	-2.037E-16	-0.00403	-0.04566
95	1.248	MUERTA CUB	-2.037E-16	-0.00736	-0.08235
95	1.664	MUERTA CUB	-2.037E-16	-0.01068	-0.12714
95	2.08	MUERTA CUB	-2.037E-16	-0.01401	-0.18003
96	0.	DEAD	2.407E-17	2.168E-19	-0.00305

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
96	0.416	DEAD	2.407E-17	-1.873E-06	-0.00377
96	0.832	DEAD	2.407E-17	-3.746E-06	-0.00541
96	1.248	DEAD	2.407E-17	-5.619E-06	-0.00796
96	1.664	DEAD	2.407E-17	-7.491E-06	-0.01143
96	2.08	DEAD	2.407E-17	-9.364E-06	-0.0

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
98	0.	DEAD	-2.214E-17	-0.00135	-0.01813
98	0.4925	DEAD	-2.214E-17	-0.00095	-0.01157
98	0.985	DEAD	-2.214E-17	-0.00054	-0.0063
98	1.4775	DEAD	-2.214E-17	-0.00013	-0.00231
98	1.97	DEAD	-2.214E-17	0.00028	0.00039
98	0.	VIVA CUB	-2.988E-16	-0.00914	-0.15404
98	0.4925	VIVA CUB	-2.988E-16	-0.00639	-0.07733
98	0.985	VIVA CUB	-2.988E-16	-0.00364	-0.02246
98	1.4775	VIVA CUB	-2.988E-16	-0.00089	0.01059
98	1.97	VIVA CUB	-2.988E-16	0.00186	0.02181
98	0.	VCOMP	-2.389E-16	-0.00732	-0.12323
98	0.4925	VCOMP	-2.389E-16	-0.00512	-0.06187
98	0.985	VCOMP	-2.389E-16	-0.00291	-0.01796
98	1.4775	VCOMP	-2.389E-16	-0.00071	0.00847
98	1.97	VCOMP	-2.389E-16	0.00149	0.01745
98	0.	VSUCC	2.389E-16	0.00732	0.12323
98	0.4925	VSUCC	2.389E-16	0.00512	0.06187
98	0.985	VSUCC	2.389E-16	0.00291	0.01796
98	1.4775	VSUCC	2.389E-16	0.00071	-0.00847
98	1.97	VSUCC	2.389E-16	-0.00149	-0.01745
98	0.	MUERTA CUB	-1.979E-16	-0.01367	-0.16569
98	0.4925	MUERTA CUB	-1.979E-16	-0.00961	-0.10649
98	0.985	MUERTA CUB	-1.979E-16	-0.00555	-0.05863
98	1.4775	MUERTA CUB	-1.979E-16	-0.00149	-0.02213
98	1.97	MUERTA CUB	-1.979E-16	0.00257	0.00302
99	0.	DEAD	2.190E-17	8.869E-06	-0.01445
99	0.4925	DEAD	2.190E-17	6.652E-06	-0.00965
99	0.985	DEAD	2.190E-17	4.434E-06	-0.00612
99	1.4775	DEAD	2.190E-17	2.217E-06	-0.00388
99	1.97	DEAD	2.190E-17	6.436E-19	-0.00293
99	0.	VIVA CUB	2.888E-16	8.250E-05	-0.03861
99	0.4925	VIVA CUB	2.888E-16	6.187E-05	-0.03861
99	0.985	VIVA CUB	2.888E-16	4.125E-05	-0.03861
99	1.4775	VIVA CUB	2.888E-16	2.062E-05	-0.03861
99	1.97	VIVA CUB	2.888E-16	1.349E-18	-0.03861
99	0.	VCOMP	2.312E-16	6.600E-05	-0.03089
99	0.4925	VCOMP	2.312E-16	4.950E-05	-0.03089
99	0.985	VCOMP	2.312E-16	3.300E-05	-0.03089
99	1.4775	VCOMP	2.312E-16	1.650E-05	-0.03089
99	1.97	VCOMP	2.312E-16	-1.728E-18	-0.03089
99	0.	VSUCC	-2.312E-16	-6.600E-05	0.03089
99	0.4925	VSUCC	-2.312E-16	-4.950E-05	0.03089
99	0.985	VSUCC	-2.312E-16	-3.300E-05	0.03089
99	1.4775	VSUCC	-2.312E-16	-1.650E-05	0.03089
99	1.97	VSUCC	-2.312E-16	1.728E-18	0.03089
99	0.	MUERTA CUB	1.960E-16	8.809E-05	-0.135
99	0.4925	MUERTA CUB	1.960E-16	6.607E-05	-0.08963
99	0.985	MUERTA CUB	1.960E-16	4.404E-05	-0.05639
99	1.4775	MUERTA CUB	1.960E-16	2.202E-05	-0.03527
99	1.97	MUERTA CUB	1.960E-16	-7.041E-18	-0.02828
100	0.	DEAD	0.00256	0.	0.
100	0.65396	DEAD	0.00256	0.	0.00113
100	1.30792	DEAD	0.00256	0.	5.537E-19
100	0.	VIVA CUB	0.01691	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
100	0.65396	VIVA CUB	0.01691	0.	0.
100	1.30792	VIVA CUB	0.01691	0.	0.
100	0.	VCOMP	0.01352	0.	0.
100	0.65396	VCOMP	0.01352	0.	0.
100	1.30792	VCOMP	0.01352	0.	0.
100	0.	VSUCC	-0.01352	0.	0.
100	0.65396	VSUCC	-0.01352	0.	0.
100	1.30792	VSUCC	-0.01352	0.	0.
100	0.	MUERTA CUB	0.02341	0.	0.
100	0.65396	MUERTA CUB	0.02341	0.	0.01063
100	1.30792	MUERTA CUB	0.02341	0.	-2.563E-18
101	0.	DEAD	0.00293	0.	0.
101	0.2375	DEAD	0.00293	0.	0.
101	0.	VIVA CUB	0.03861	0.	0.
101	0.2375	VIVA CUB	0.03861	0.	0.
101	0.	VCOMP	0.03089	0.	0.
101	0.2375	VCOMP	0.03089	0.	0.
101	0.	VSUCC	-0.03089	0.	0.
101	0.2375	VSUCC	-0.03089	0.	0.
101	0.	MUERTA CUB	0.02628	0.	0.
101	0.2375	MUERTA CUB	0.02628	0.	2.849E-19
102	0.	DEAD	-0.00262	0.	0.
102	0.65396	DEAD	-0.00262	0.	0.00113
102	1.30792	DEAD	-0.00262	0.	-4.864E-19
102	0.	VIVA CUB	-0.01873	0.	0.
102	0.65396	VIVA CUB	-0.01873	0.	0.
102	1.30792	VIVA CUB	-0.01873	0.	0.
102	0.	VCOMP	-0.01499	0.	0.
102	0.65396	VCOMP	-0.01499	0.	0.
102	0.	VSUCC	0.01499	0.	0.
102	1.30792	VSUCC	0.01499	0.	0.
102	0.	MUERTA CUB	-0.02394	0.	0.
102	0.65396	MUERTA CUB	-0.02394	0.	0.01063
102	1.30792	MUERTA CUB	-0.02394	0.	1.941E-18
103	0.	DEAD	-0.00305	0.	0.
103	0.2375	DEAD	-0.00305	0.	0.
103	0.	VIVA CUB	-0.04326	0.	0.
103	0.2375	VIVA CUB	-0.04326	0.	0.
103	0.	VCOMP	-0.03461	0.	0.
103	0.	VCOMP	-0.03461	0.	0.
103	0.	VSUCC	0.03461	0.	0.
103	0.2375	VSUCC	0.03461	0.	0.
103	0.	MUERTA CUB	-0.02722	0.	0.
103	0.2375	MUERTA CUB	-0.02722	0.	2.849E-19
104	0.	DEAD	-0.00061	0.01418	-0.00043
104	0.2873	DEAD	-0.00061	0.00268	9.697E-05
104	0.5746	DEAD	-0.00061	-0.00881	0.00062
104	0.	VIVA CUB	-0.00363	0.0899	-0.00303
104	0.2873	VIVA CUB	-0.00363	0.02783	0.00067
104	0.5746	VIVA CUB	-0.00363	-0.03124	0.00437
104	0.	VCOMP	-0.0029	0.06952	-0.00243
104	0.2873	VCOMP	-0.0029	0.02226	0.00053

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
104	0.5746	VCOMP	-0.0029	-0.02499	0.00349
104	0.	VSUCC	0.0029	-0.06952	0.00243
104	0.2873	VSUCC	0.0029	-0.02226	-0.00053
104	0.5746	VSUCC	0.0029	0.02499	-0.00349
104	0.	MUERTA CUB	-0.00567	0.11682	-0.00415
104	0.2873	MUERTA CUB	-0.00567	0.02452	0.00093
104	0.5746	MUERTA CUB	-0.00567	-0.06777	0.00602
105	0.	DEAD	0.00053	-0.01304	-0.00042
105	0.2873	DEAD	0.00053	-0.00245	0.0001
105	0.5746	DEAD	0.00053	0.00813	0.00063
105	0.	VIVA CUB	0.00302	-0.07648	-0.00285
105	0.2873	VIVA CUB	0.00302	-0.02396	0.00066
105	0.5746	VIVA CUB	0.00302	0.02855	0.00417
105	0.	VCOMP	0.00242	-0.06118	-0.00228
105	0.2873	VCOMP	0.00242	-0.01917	0.00053
105	0.5746	VCOMP	0.00242	0.02284	0.00334
105	0.	VSUCC	-0.00242	0.06118	0.00228
105	0.2873	VSUCC	-0.00242	0.01917	-0.00053
105	0.5746	VSUCC	-0.00242	-0.02284	-0.00334
105	0.	MUERTA CUB	0.00495	-0.10718	-0.00414
105	0.2873	MUERTA CUB	0.00495	-0.02249	0.00097
105	0.5746	MUERTA CUB	0.00495	0.06219	0.00609
266	0.	DEAD	0.0003	0.00064	0.00472
266	0.46595	DEAD	0.0003	-0.00564	0.00028
266	0.9319	DEAD	0.0003	-0.01191	-0.00417
266	0.	VIVA CUB	0.00219	0.00558	0.00818
266	0.46595	VIVA CUB	0.00219	-0.04535	0.00076
266	0.9319	VIVA CUB	0.00219	-0.08628	-0.00666
266	0.	VCOMP	0.00175	0.00446	0.00655
266	0.46595	VCOMP	0.00175	-0.03628	0.00061
266	0.9319	VCOMP	0.00175	-0.07703	-0.00533
266	0.	VSUCC	-0.00175	-0.00446	-0.00655
266	0.46595	VSUCC	-0.00175	0.03628	-0.00061
266	0.9319	VSUCC	-0.00175	0.07703	0.00533
266	0.	MUERTA CUB	0.0027	0.00546	0.00728
266	0.46595	MUERTA CUB	0.0027	-0.05171	0.00065
266	0.9319	MUERTA CUB	0.0027	-0.10887	-0.00599
267	0.	DEAD	-1.216E-06	-0.00476	0.00496
267	0.4664	DEAD	-1.216E-06	-0.00174	4.511E-05
267	0.9328	DEAD	-1.216E-06	0.00128	-0.00487
267	0.	VIVA CUB	-4.423E-05	-0.03493	0.0159
267	0.4664	VIVA CUB	-4.423E-05	-0.01279	0.00308
267	0.9328	VIVA CUB	-4.423E-05	0.00935	-0.00974
267	0.	VCOMP	-3.538E-05	-0.02795	0.01272
267	0.4664	VCOMP	-3.538E-05	-0.01023	0.00246
267	0.9328	VCOMP	-3.538E-05	0.00748	-0.0078
267	0.	VSUCC	3.538E-05	0.02795	-0.01272
267	0.4664	VSUCC	3.538E-05	0.01023	-0.00246
267	0.9328	VSUCC	3.538E-05	-0.00748	0.0078
267	0.	MUERTA CUB	-5.554E-05	-0.04427	0.01765
267	0.4664	MUERTA CUB	-5.554E-05	-0.01628	0.00405
267	0.9328	MUERTA CUB	-5.554E-05	0.01171	-0.00954
268	0.	DEAD	0.00097	0.00375	-0.00481
268	0.65396	DEAD	0.00097	0.00293	0.00269

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
268	1.30791	DEAD	0.00097	0.00211	0.00103
268	0.	VIVA CUB	0.00729	0.02775	0.00199
268	0.65396	VIVA CUB	0.00729	0.02082	0.00508
268	1.30791	VIVA CUB	0.00729	0.0139	0.00817
268	0.	VCOMP	0.00583	0.0222	0.00159
268	0.65396	VCOMP	0.00583	0.01666	0.00406
268	1.30791	VCOMP	0.00583	0.01112	0.00654
268	0.	VSUCC	-0.00583	-0.0222	-0.00159
268	0.65396	VSUCC	-0.00583	-0.01666	-0.00406
268	1.30791	VSUCC	-0.00583	-0.01112	-0.00654
268	0.	MUERTA CUB	0.00914	0.03743	0.00738
268	0.65396	MUERTA CUB	0.00914	0.02822	0.00649
268	1.30791	MUERTA CUB	0.00914	0.019	0.00559
269	0.	DEAD	0.00046	-0.00299	-0.00044
269	0.65396	DEAD	0.00046	0.00086	0.00375
269	1.30791	DEAD	0.00046	0.00471	-0.00123
269	0.	VIVA CUB	0.00329	-0.02055	0.00552
269	0.65396	VIVA CUB	0.00329	0.00673	0.00649
269	1.30791	VIVA CUB	0.00329	0.034	0.00746
269	0.	VCOMP	0.00263	-0.01644	-0.00042
269	0.65396	VCOMP	0.00263	0.00538	0.00519
269	1.30791	VCOMP	0.00263	0.0272	0.00597
269	0.	VSUCC	-0.00263	0.01644	-0.00042
269	0.65396	VSUCC	-0.00263	-0.00538	-0.00519
269	1.30791	VSUCC	-0.00263	-0.0272	-0.00597
269	0.	MUERTA CUB	0.00441	0.03441	0.00398
269	0.65396	MUERTA CUB	0.00441	0.00811	0.00543
269	1.30791	MUERTA CUB	0.00441	0.04351	0.00689
270	0.	DEAD	-0.00014	-0.00493	0.00021
270	0.65396	DEAD	-0.00014	0.00049	0.00341
270	1.30791	DEAD	-0.00014	0.00591	-0.00255
270	0.	VIVA CUB	-0.00095	0.03567	0.00659
270	0.65396	VIVA CUB	-0.00095	-0.00366	0.00579
270	1.30791	VIVA CUB	-0.00095	0.04299	0.00499
270	0.	VCOMP	-0.00076	-0.02854	0.00527
270	0.65396	VCOMP	-0.00076	0.00293	0.00463
270	1.30791	VCOMP	-0.00076	0.03439	0.00399
270	0.	VSUCC	0.00076	0.02854	-0.00527
270	0.65396	VSUCC	0.00076	-0.00293	-0.00463
270	1.30791	VSUCC	0.00076	-0.03439	-0.00399
270	0.	MUERTA CUB	-0.00119	-0.04573	0.00604
270	0.65396	MUERTA CUB	-0.00119	0.00451	0.00448
270	1.30791	MUERTA CUB	-0.00119	0.05476	0.00448
271	0.	DEAD	-0.00098	-0.00475	-0.00066
271	0.65396	DEAD	-0.00098	-0.00116	0.00024
271	1.30791	DEAD	-0.00098	0.00242	-0.00423
271	0.	VIVA CUB	-0.00623	-0.03364	0.00545
271	0.65396	VIVA CUB	-0.00623	-0.00781	-0.00083
271	1.30791	VIVA CUB	-0.00623	0.01892	-0.00771
271	0.	VCOMP	0.00449	-0.02691	0.00046
271	0.65396	VCOMP	-0.00499	-0.00625	-0.00066
271	1.30791	VCOMP	-0.00499	0.01441	-0.00566
271	0.	VSUCC	0.00499	0.02691	-0.00046
271	0.65396	VSUCC	0.00499	0.00625	0.00066

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
271	1.30791	VSUCC	0.00499	-0.01441	0.00568
271	0.	MUERTA CUB	-0.00897	-0.04425	0.00512
271	0.65396	MUERTA CUB	-0.00897	-0.01046	-0.00072
271	1.30791	MUERTA CUB	-0.00897	0.02334	-0.00655
272	0.	DEAD	-0.00021	0.00184	-0.0038
272	0.65397	DEAD	-0.00021	0.00369	0.00251
272	1.30794	DEAD	-0.00021	0.00553	-0.00035
272	0.	VIVA CUB	-0.00147	0.01349	-0.00887
272	0.65397	VIVA CUB	-0.00147	0.02679	-4.011E-05
272	1.30794	VIVA CUB	-0.00147	0.0401	0.00879
272	0.	VCOMP	-0.00118	0.01079	-0.00709
272	0.65397	VCOMP	-0.00118	0.02144	-3.209E-05
272	1.30794	VCOMP	-0.00118	0.03208	0.00703
272	0.	VSUCC	0.00118	-0.01079	0.00709
272	0.65397	VSUCC	0.00118	-0.02144	3.209E-05
272	1.30794	VSUCC	0.00118	-0.03208	-0.00703
272	0.	MUERTA CUB	-0.00184	0.01687	-0.00836
272	0.65397	MUERTA CUB	-0.00184	0.03393	-0.00024
272	1.30794	MUERTA CUB	-0.00184	0.051	0.00788
273	0.	DEAD	-0.00022	0.00563	-0.00035
273	0.65397	DEAD	-0.00022	0.00748	0.00397
273	1.30794	DEAD	-0.00022	0.00932	-0.00088
273	0.	VIVA CUB	-0.00155	0.04077	0.00879
273	0.65397	VIVA CUB	-0.00155	0.05407	0.00656
273	1.30794	VIVA CUB	-0.00155	0.08738	0.00432
273	0.	VCOMP	-0.00124	0.03262	0.00703
273	0.65397	VCOMP	-0.00124	0.04326	0.00525
273	1.30794	VCOMP	-0.00124	0.0539	0.00346
273	0.	VSUCC	0.00124	-0.03262	-0.00703
273	0.65397	VSUCC	0.00124	-0.04326	-0.00525
273	1.30794	VSUCC	0.00124	-0.0539	-0.00346
273	0.	MUERTA CUB	-0.00193	0.05183	0.00788
273	0.65397	MUERTA CUB	-0.00193	0.0689	0.00582
273	1.30794	MUERTA CUB	-0.00193	0.08596	0.00376
274	0.	DEAD	-0.0004	0.00923	-0.00182
274	0.65397	DEAD	-0.0004	0.00916	0.00351
274	1.30794	DEAD	-0.0004	0.0091	-0.00033
274	0.	VIVA CUB	-0.00285	0.06647	0.0057
274	0.65397	VIVA CUB	-0.00285	0.06563	0.00596
274	1.30794	VIVA CUB	-0.00285	0.06479	0.00622
274	0.	VCOMP	-0.00228	0.05317	0.00456
274	0.65397	VCOMP	-0.00228	0.0625	0.00477
274	1.30794	VCOMP	-0.00228	0.05183	0.00498
274	0.	VSUCC	0.00228	-0.05317	-0.00456
274	0.65397	VSUCC	0.00228	-0.0525	-0.00477
274	1.30794	VSUCC	0.00228	-0.05183	-0.00498
274	0.	MUERTA CUB	-0.00362	0.08495	0.00514
274	0.65397	MUERTA CUB	-0.00362	0.08451	0.00535
274	1.30794	MUERTA CUB	-0.00362	0.08407	0.00557
275	0.	DEAD	-0.00047	0.00648	-0.00066
275	0.65397	DEAD	-0.00047	0.00453	0.00233
275	1.30794	DEAD	-0.00047	0.00059	-0.00385
275	0.	VIVA CUB	-0.00349	0.06044	0.00986
275	0.65397	VIVA CUB	-0.00349	0.03176	0.00075

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
275	1.30794	VIVA CUB	-0.00349	0.00309	-0.00836
275	0.	VCOMP	-0.00279	0.04835	0.00789
275	0.65397	VCOMP	-0.00279	0.02541	0.0006
275	1.30794	VCOMP	-0.00279	0.00247	-0.00669
275	0.	VSUCC	0.00279	-0.04835	-0.00789
275	0.65397	VSUCC	0.00279	-0.02541	-0.0006
275	1.30794	VSUCC	0.00279	-0.00247	0.00669
275	0.	MUERTA CUB	-0.00418	0.0782	0.00878
275	0.65397	MUERTA CUB	-0.00418	0.04201	0.00067
275	1.30794	MUERTA CUB	-0.00418	0.00582	-0.00745
276	0.	DEAD	9.542E-05	0.	0.
276	0.46629	DEAD	9.542E-05	0.	0.
276	0.93258	DEAD	9.542E-05	0.	0.
276	0.	VIVA CUB	0.00068	0.	0.
276	0.46629	VIVA CUB	0.00068	0.	0.
276	0.93258	VIVA CUB	0.00068	0.	0.
276	0.	VCOMP	0.00054	0.	0.
276	0.46629	VCOMP	0.00054	0.	0.
276	0.93258	VCOMP	0.00054	0.	0.
276	0.	VSUCC	-0.00054	0.	0.
276	0.46629	VSUCC	-0.00054	0.	0.
276	0.93258	VSUCC	-0.00054	0.	0.
276	0.	MUERTA CUB	0.00083	0.	0.
276	0.46629	MUERTA CUB	0.00083	0.	0.
276	0.93258	MUERTA CUB	0.00083	0.	0.
277	0.	DEAD	0.0002	0.	0.
277	0.46618	DEAD	0.0002	0.	0.
277	0.93235	DEAD	0.0002	0.	0.
277	0.	VIVA CUB	0.00143	0.	0.
277	0.46618	VIVA CUB	0.00143	0.	0.
277	0.93235	VIVA CUB	0.00143	0.	0.
277	0.	VCOMP	0.00114	0.	0.
277	0.46618	VCOMP	0.00114	0.	0.
277	0.93235	VCOMP	0.00114	0.	0.
277	0.	VSUCC	-0.00114	0.	0.
277	0.46618	VSUCC	-0.00114	0.	0.
277	0.93235	VSUCC	-0.00114	0.	0.
277	0.	MUERTA CUB	0.00181	0.	0.
277	0.46618	MUERTA CUB	0.00181	0.	0.
277	0.93235	MUERTA CUB	0.00181	0.	0.
278	0.	DEAD	0.00029	0.	0.
278	0.46606	DEAD	0.00029	0.	0.
278	0.93213	DEAD	0.00029	0.	0.
278	0.	VIVA CUB	0.00208	0.	0.
278	0.46606	VIVA CUB	0.00208	0.	0.
278	0.93213	VIVA CUB	0.00208	0.	0.
278	0.	VCOMP	0.00166	0.	0.
278	0.46606	VCOMP	0.00166	0.	0.
278	0.93213	VCOMP	0.00166	0.	0.
278	0.	VSUCC	-0.00166	0.	0.
278	0.46606	VSUCC	-0.00166	0.	0.
278	0.93213	VSUCC	-0.00166	0.	0.
278	0.	MUERTA CUB	0.00264	0.	0.
278	0.46606	MUERTA CUB	0.00264	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
278	0.93213	MUERTA CUB	0.00264	0.	0.
283	0.	DEAD	-8.674E-19	5.638E-18	1.735E-18
283	0.23895	DEAD	-8.674E-19	5.016E-18	-0.00061
283	0.47789	DEAD	-8.674E-19	4.394E-18	-0.00245
283	0.	VIVA CUB	-5.204E-18	5.204E-17	-6.939E-18
283	0.23895	VIVA CUB	-5.204E-18	4.375E-17	6.325E-18
283	0.47789	VIVA CUB	-5.204E-18	3.546E-17	1.959E-17
283	0.	VCOMP	-1.735E-18	2.429E-17	3.903E-18
283	0.23895	VCOMP	-1.735E-18	3.092E-17	7.219E-18
283	0.47789	VCOMP	-1.735E-18	3.755E-17	1.054E-17
283	0.	VSUCC	1.735E-18	-2.429E-17	-3.903E-18
283	0.23895	VSUCC	1.735E-18	-3.092E-17	-7.219E-18
283	0.47789	VSUCC	1.735E-18	-3.755E-17	-1.054E-17
283	0.	MUERTA CUB	-8.674E-18	4.163E-17	-4.337E-18
283	0.23895	MUERTA CUB	-8.674E-18	5.158E-17	2.295E-18
283	0.47789	MUERTA CUB	-8.674E-18	6.153E-17	8.927E-18
284	0.	DEAD	0.	0.	0.
284	0.46595	DEAD	0.	-0.0043	4.021E-06
284	0.9319	DEAD	0.	-0.0061	8.042E-06
284	0.	VIVA CUB	0.	0.	0.
284	0.46595	VIVA CUB	0.	-0.01266	3.740E-05
284	0.9319	VIVA CUB	0.	-0.02531	7.480E-05
284	0.	VCOMP	0.	-1.735E-18	-6.939E-18
284	0.46595	VCOMP	0.	-0.01012	2.992E-05
284	0.9319	VCOMP	0.	-0.02025	5.984E-05
284	0.	VSUCC	0.	1.735E-18	6.939E-18
284	0.46595	VSUCC	0.	0.01012	-2.992E-05
284	0.9319	VSUCC	0.	0.02025	-5.984E-05
284	0.	MUERTA CUB	0.	0.	6.939E-18
284	0.46595	MUERTA CUB	0.	-0.04017	3.994E-05
284	0.9319	MUERTA CUB	0.	-0.08034	7.987E-05
286	0.	DEAD	-6.894E-05	-7.304E-05	0.00384
286	0.46595	DEAD	-6.894E-05	0.00113	0.00019
286	0.9319	DEAD	-6.894E-05	0.00234	-0.00345
286	0.	VIVA CUB	-0.00059	-0.00115	0.00179
286	0.46595	VIVA CUB	-0.00059	0.01035	0.00012
286	0.9319	VIVA CUB	-0.00059	0.02184	-0.00154
286	0.	VCOMP	-0.00047	-0.00092	0.00143
286	0.46595	VCOMP	-0.00047	0.00828	9.920E-05
286	0.9319	VCOMP	-0.00047	0.01747	-0.00123
286	0.	VSUCC	0.00047	-0.00092	-0.00143
286	0.46595	VSUCC	0.00047	-0.00828	-9.920E-05
286	0.9319	VSUCC	0.00047	-0.01747	0.00123
286	0.	MUERTA CUB	-0.00063	-0.00065	-0.00076
286	0.46595	MUERTA CUB	-0.00063	0.01033	-0.0001
286	0.9319	MUERTA CUB	-0.00063	0.02131	0.00055
287	0.	DEAD	1.519E-05	0.00132	0.00294
287	0.4664	DEAD	1.519E-05	0.00051	-0.00041
287	0.9328	DEAD	1.519E-05	-0.0003	-0.00377
287	0.	VIVA CUB	7.815E-05	0.00991	0.00163
287	0.4664	VIVA CUB	7.815E-05	0.00373	-8.197E-05
287	0.9328	VIVA CUB	7.815E-05	-0.00245	-0.00179
287	0.	VCOMP	6.252E-05	0.00793	0.0013
287	0.4664	VCOMP	6.252E-05	0.00299	-6.558E-05

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Ton-m	M2 Ton-m	M3 Ton-m
287	0.9328	VCOMP	6.252E-05	-0.00196	-0.00143
287	0	VSUCC	-6.252E-05	-0.00793	-0.0013
287	0.4664	VSUCC	-6.252E-05	-0.00299	6.558E-05
287	0.9328	VSUCC	-6.252E-05	0.00196	0.00143
287	0	MUERTA CUB	0.00014	0.0119	-0.00136
287	0.4664	MUERTA CUB	0.00014	0.00459	-0.00032
287	0.9328	MUERTA CUB	0.00014	-0.00272	0.00072
288	0	DEAD	-0.0003	-0.00044	-0.00559
288	0.65396	DEAD	-0.0003	-3.301E-05	0.00196
288	1.30791	DEAD	-0.0003	0.00038	0.00033
288	0	VIVA CUB	-0.00216	-0.00213	-0.00296
288	0.65396	VIVA CUB	-0.00216	-5.031E-05	-1.399E-05
288	1.30791	VIVA CUB	-0.00216	0.00203	0.00295
288	0	VCOMP	-0.00173	-0.0017	-0.00238
288	0.65396	VCOMP	-0.00173	-4.025E-05	-1.119E-05
288	1.30791	VCOMP	-0.00173	0.00162	0.00236
288	0	VSUCC	0.00173	0.0017	0.00238
288	0.65396	VSUCC	0.00173	4.025E-05	1.119E-05
288	1.30791	VSUCC	0.00173	0.00162	-0.00236
288	0	MUERTA CUB	-0.00265	-0.00397	-0.00058
288	0.65396	MUERTA CUB	-0.00265	-0.00018	-0.00051
288	1.30791	MUERTA CUB	-0.00265	0.00361	-0.00044
289	0	DEAD	-0.00012	0.00043	-0.00087
289	0.65396	DEAD	-0.00012	-0.00011	0.00311
289	1.30791	DEAD	-0.00012	-0.00086	-0.00207
289	0	VIVA CUB	-0.00087	0.00383	0.00231
289	0.65396	VIVA CUB	-0.00087	-0.00081	0.00184
289	1.30791	VIVA CUB	-0.00087	-0.00057	0.00136
289	0	VCOMP	-0.0007	0.00306	0.00184
289	0.65396	VCOMP	-0.0007	-0.00075	0.00147
289	1.30791	VCOMP	-0.0007	-0.00456	0.00109
289	0	VSUCC	0.0007	-0.00306	-0.00184
289	0.65396	VSUCC	0.0007	0.00075	-0.00147
289	1.30791	VSUCC	0.0007	0.00456	-0.00109
289	0	MUERTA CUB	-0.00116	0.00413	0.00019
289	0.65396	MUERTA CUB	-0.00116	-0.00097	-0.00032
289	1.30791	MUERTA CUB	-0.00116	-0.00607	-0.00084
290	0	DEAD	4.208E-05	0.00102	-0.00054
290	0.65396	DEAD	4.208E-05	9.261E-05	0.00279
290	1.30791	DEAD	4.208E-05	-0.00083	-0.00306
290	0	VIVA CUB	0.00032	0.00837	0.00118
290	0.65396	VIVA CUB	0.00032	0.00077	0.00126
290	1.30791	VIVA CUB	0.00032	-0.00697	0.00134
290	0	VCOMP	0.00025	0.00659	0.00094
290	0.65396	VCOMP	0.00025	0.00056	0.00101
290	1.30791	VCOMP	0.00025	-0.00558	0.00107
290	0	VSUCC	-0.00025	-0.00669	-0.00094
290	0.65396	VSUCC	-0.00025	-0.00056	-0.00101
290	1.30791	VSUCC	-0.00025	0.00558	-0.00107
290	0	MUERTA CUB	0.00037	0.00997	-0.00079
290	0.65396	MUERTA CUB	0.00037	0.00083	-0.00051
290	1.30791	MUERTA CUB	0.00037	-0.00761	-0.00023
291	0	DEAD	0.00027	0.00109	-0.00133
291	0.65396	DEAD	0.00027	0.00057	0.00223

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
291	1.30791	DEAD	0.00027	5.827E-05	-0.00337
291	0.	VIVA CUB	0.00196	0.00911	0.00066
291	0.65396	VIVA CUB	0.00196	0.00448	-0.00014
291	1.30791	VIVA CUB	0.00196	-0.00015	-0.00094
291	0.	VCOMP	0.00157	0.00729	0.00052
291	0.65396	VCOMP	0.00157	0.00359	-0.00011
291	1.30791	VCOMP	0.00157	-0.00012	-0.00075
291	0.	VSUCC	-0.00157	-0.00729	-0.00052
291	0.65396	VSUCC	-0.00157	-0.00359	0.00011
291	1.30791	VSUCC	-0.00157	0.00012	0.00075
291	0.	MUERTA CUB	0.00247	0.00996	-0.00108
291	0.65396	MUERTA CUB	0.00247	0.00524	0.00011
291	1.30791	MUERTA CUB	0.00247	0.00053	0.00131
292	0.	DEAD	4.191E-05	-0.00045	-0.00283
292	0.65397	DEAD	4.191E-05	-0.00094	0.00254
292	1.30794	DEAD	4.191E-05	-0.00143	-0.00126
292	0.	VIVA CUB	0.00037	-0.00357	-0.00187
292	0.65397	VIVA CUB	0.00037	-0.00073	0.00017
292	1.30794	VIVA CUB	0.00037	-0.01104	0.00022
292	0.	VCOMP	0.00003	-0.00285	-0.00149
292	0.65397	VCOMP	0.00003	-0.00584	0.00013
292	1.30794	VCOMP	0.00003	-0.00883	0.00176
292	0.	VSUCC	-0.00003	0.00285	0.00149
292	0.65397	VSUCC	-0.00003	0.00584	-0.00013
292	1.30794	VSUCC	-0.00003	0.00883	-0.00176
292	0.	MUERTA CUB	0.00038	-0.00402	0.00059
292	0.65397	MUERTA CUB	0.00038	-0.00846	8.401E-05
292	1.30794	MUERTA CUB	0.00038	-0.0129	-0.00042
293	0.	DEAD	4.389E-05	-0.00145	-0.00126
293	0.65397	DEAD	4.389E-05	-0.00194	0.00329
293	1.30794	DEAD	4.389E-05	-0.00243	-0.00133
293	0.	VIVA CUB	0.00039	-0.01122	0.00022
293	0.65397	VIVA CUB	0.00039	-0.01495	0.00016
293	1.30794	VIVA CUB	0.00039	-0.01869	0.00099
293	0.	VCOMP	0.00031	-0.00897	0.00176
293	0.65397	VCOMP	0.00031	-0.01196	0.00128
293	1.30794	VCOMP	0.00031	-0.01495	0.00079
293	0.	VSUCC	-0.00031	0.00897	-0.00176
293	0.65397	VSUCC	-0.00031	0.01196	-0.00128
293	1.30794	VSUCC	-0.00031	0.01495	-0.00079
293	0.	MUERTA CUB	0.0004	-0.01306	-0.00042
293	0.65397	MUERTA CUB	0.0004	-0.0175	-0.00041
293	1.30794	MUERTA CUB	0.0004	-0.02194	-0.0004
294	0.	DEAD	8.187E-05	-0.00238	-0.00244
294	0.65397	DEAD	8.187E-05	-0.00237	0.00287
294	1.30794	DEAD	8.187E-05	-0.00236	-0.001
294	0.	VIVA CUB	0.00072	-0.01837	0.00118
294	0.65397	VIVA CUB	0.00072	-0.01816	0.00128
294	1.30794	VIVA CUB	0.00072	-0.01794	0.00138
294	0.	VCOMP	0.00058	-0.01447	0.00094
294	0.65397	VCOMP	0.00058	-0.01452	0.00102
294	1.30794	VCOMP	0.00058	-0.01435	0.0011
294	0.	VSUCC	-0.00058	0.01447	-0.00094
294	0.65397	VSUCC	-0.00058	0.01452	-0.00102

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
294	1.30794	VSUCC	-0.00058	0.01435	-0.0011
294	0.	MUERTA CUB	0.00076	-0.0215	-0.00057
294	0.65397	MUERTA CUB	0.00076	-0.02148	-0.00055
294	1.30794	MUERTA CUB	0.00076	-0.02147	-0.00054
295	0.	DEAD	8.866E-05	-0.00218	-0.00171
295	0.65397	DEAD	8.866E-05	-0.0012	0.00225
295	1.30794	DEAD	8.866E-05	-0.00022	-0.00295
295	0.	VIVA CUB	0.00086	-0.01673	0.00222
295	0.65397	VIVA CUB	0.00086	-0.00894	0.00019
295	1.30794	VIVA CUB	0.00086	-0.01115	-0.00183
295	0.	VCOMP	0.00069	-0.01338	0.00177
295	0.65397	VCOMP	0.00069	-0.00715	0.00015
295	1.30794	VCOMP	0.00069	-0.00092	-0.00147
295	0.	VSUCC	-0.00069	0.01338	-0.00177
295	0.65397	VSUCC	-0.00069	0.00715	-0.00015
295	1.30794	VSUCC	-0.00069	0.00092	0.00147
295	0.	MUERTA CUB	0.00081	-0.01985	-0.00084
295	0.65397	MUERTA CUB	0.00081	-0.01093	-3.493E-05
295	1.30794	MUERTA CUB	0.00081	-0.02021	0.00077
296	0.	DEAD	-1.802E-05	0.	0.
296	0.46629	DEAD	-1.802E-05	0.	0.
296	0.93258	DEAD	-1.802E-05	0.	0.
296	0.	VIVA CUB	-0.00017	0.	0.
296	0.46629	VIVA CUB	-0.00017	0.	0.
296	0.93258	VIVA CUB	-0.00017	0.	0.
296	0.	VCOMP	-0.00014	0.	0.
296	0.46629	VCOMP	-0.00014	0.	0.
296	0.93258	VCOMP	-0.00014	0.	0.
296	0.	VSUCC	0.00014	0.	0.
296	0.46629	VSUCC	0.00014	0.	0.
296	0.93258	VSUCC	0.00014	0.	0.
296	0.	MUERTA CUB	-0.00016	0.	0.
296	0.46629	MUERTA CUB	-0.00016	0.	0.
296	0.93258	MUERTA CUB	-0.00016	0.	0.
297	0.	DEAD	-4.558E-05	0.	0.
297	0.46618	DEAD	-4.558E-05	0.	0.
297	0.93235	DEAD	-4.558E-05	0.	0.
297	0.	VIVA CUB	-0.00038	0.	0.
297	0.46618	VIVA CUB	-0.00038	0.	0.
297	0.93235	VIVA CUB	-0.00038	0.	0.
297	0.	VCOMP	-0.00031	0.	0.
297	0.46618	VCOMP	-0.00031	0.	0.
297	0.93235	VCOMP	-0.00031	0.	0.
297	0.	VSUCC	0.00031	0.	0.
297	0.46618	VSUCC	0.00031	0.	0.
297	0.93235	VSUCC	0.00031	0.	0.
297	0.	MUERTA CUB	-0.00042	0.	0.
297	0.46618	MUERTA CUB	-0.00042	0.	0.
297	0.93235	MUERTA CUB	-0.00042	0.	0.
298	0.	DEAD	-6.849E-05	0.	0.
298	0.46606	DEAD	-6.849E-05	0.	0.
298	0.93213	DEAD	-6.849E-05	0.	0.
298	0.	VIVA CUB	-0.00057	0.	0.
298	0.46606	VIVA CUB	-0.00057	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
298	0.93213	VIVA CUB	-0.00057	0.	0.
298	0.	VCOMP	-0.00045	0.	0.
298	0.46606	VCOMP	-0.00045	0.	0.
298	0.93213	VCOMP	-0.00045	0.	0.
298	0.	VSUCC	0.00045	0.	0.
298	0.46606	VSUCC	0.00045	0.	0.
298	0.93213	VSUCC	0.00045	0.	0.
298	0.	MUERTA CUB	-0.00063	0.	0.
298	0.46606	MUERTA CUB	-0.00063	0.	0.
298	0.93213	MUERTA CUB	-0.00063	0.	0.
303	0.	DEAD	2.711E-20	-5.421E-19	-7.589E-19
303	0.23895	DEAD	2.711E-20	-4.385E-19	-0.00061
303	0.47789	DEAD	2.711E-20	-3.348E-19	-0.00245
303	0.	VIVA CUB	6.505E-19	-4.337E-18	-7.589E-19
303	0.23895	VIVA CUB	6.505E-19	-3.922E-18	-1.588E-18
303	0.47789	VIVA CUB	6.505E-19	-3.508E-18	-2.417E-18
303	0.	VCOMP	4.337E-19	-3.036E-18	5.963E-19
303	0.23895	VCOMP	4.337E-19	-2.000E-18	-1.891E-18
303	0.47789	VCOMP	4.337E-19	-9.632E-19	-4.378E-18
303	0.	VSUCC	-4.337E-19	3.036E-18	-5.963E-19
303	0.23895	VSUCC	-4.337E-19	2.000E-18	1.891E-18
303	0.47789	VSUCC	-4.337E-19	9.632E-19	4.378E-18
303	0.	MUERTA CUB	6.505E-19	-3.469E-18	-1.681E-18
303	0.23895	MUERTA CUB	6.505E-19	-3.884E-18	-4.370E-19
303	0.47789	MUERTA CUB	6.505E-19	-4.298E-18	8.065E-19
304	0.	DEAD	0.	0.	8.674E-19
304	0.46595	DEAD	0.	0.00086	-1.380E-06
304	0.9319	DEAD	0.	0.00172	-2.761E-06
304	0.	VIVA CUB	0.	4.337E-19	6.939E-18
304	0.46595	VIVA CUB	0.	0.00219	-1.284E-05
304	0.9319	VIVA CUB	0.	0.00437	-2.568E-05
304	0.	VCOMP	0.	0.	-3.469E-18
304	0.46595	VCOMP	0.	0.00175	-1.027E-05
304	0.9319	VCOMP	0.	0.0035	-2.054E-05
304	0.	VSUCC	0.	0.	3.469E-18
304	0.46595	VSUCC	0.	-0.00175	1.027E-05
304	0.9319	VSUCC	0.	-0.0035	2.054E-05
304	0.	MUERTA CUB	0.	1.735E-18	-1.388E-17
304	0.46595	MUERTA CUB	0.	0.00806	-1.371E-05
304	0.9319	MUERTA CUB	0.	0.01612	-2.742E-05
306	0.	DEAD	1.109E-05	5.234E-06	0.00423
306	0.46595	DEAD	1.109E-05	-0.00011	0.00023
306	0.9319	DEAD	1.109E-05	-0.00023	-0.00076
306	0.	VIVA CUB	7.381E-05	-2.459E-05	0.00479
306	0.46595	VIVA CUB	7.381E-05	-0.00076	0.00045
306	0.9319	VIVA CUB	7.381E-05	-0.0015	-0.0039
306	0.	VCOMP	5.905E-05	-1.967E-05	0.00383
306	0.46595	VCOMP	5.905E-05	-0.00061	0.00036
306	0.9319	VCOMP	5.905E-05	-0.0012	-0.00312
306	0.	VSUCC	-5.905E-05	1.967E-05	-0.00383
306	0.46595	VSUCC	-5.905E-05	0.00061	-0.00036
306	0.9319	VSUCC	-5.905E-05	0.0012	0.00312
306	0.	MUERTA CUB	9.892E-05	2.270E-05	0.00275
306	0.46595	MUERTA CUB	9.892E-05	-0.00103	0.00026

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
			Tonf-m	Tonf-m	Tonf-m
306	0.9319	MUERTA CUB	9.892E-05	-0.00208	-0.00223
307	0	DEAD	2.874E-06	-0.00013	0.00341
307	0.4664	DEAD	2.874E-06	-4.300E-05	-0.00036
307	0.9328	DEAD	2.874E-06	4.591E-05	-0.00414
307	0	VIVA CUB	1.073E-05	-0.00114	0.00521
307	0.4664	VIVA CUB	1.073E-05	-0.0004	0.00026
307	0.9328	VIVA CUB	1.073E-05	0.00034	-0.00468
307	0	VCOMP	8.586E-06	-0.00091	0.00417
307	0.4664	VCOMP	8.586E-06	-0.00032	0.00021
307	0.9328	VCOMP	8.586E-06	0.00027	-0.00375
307	0	VSUCC	-8.586E-06	0.00091	-0.00417
307	0.4664	VSUCC	-8.586E-06	0.00032	-0.00021
307	0.9328	VSUCC	-8.586E-06	-0.00027	0.00375
307	0	MUERTA CUB	2.231E-05	-0.00127	0.00294
307	0.4664	MUERTA CUB	2.231E-05	-0.00043	0.00014
307	0.9328	MUERTA CUB	2.231E-05	0.00042	-0.00266
308	0	DEAD	1.741E-05	-6.951E-05	-0.00588
308	0.65396	DEAD	1.741E-05	4.400E-05	0.00005
308	1.30791	DEAD	1.741E-05	0.00016	0.00082
308	0	VIVA CUB	0.00019	-5.69E-05	-0.0054
308	0.65396	VIVA CUB	0.00019	0.00045	0.00069
308	1.30791	VIVA CUB	0.00019	0.00095	0.00677
308	0	VCOMP	0.00015	-4.557E-05	-0.00432
308	0.65396	VCOMP	0.00015	0.00036	0.00055
308	1.30791	VCOMP	0.00015	0.00076	0.00542
308	0	VSUCC	-0.00015	4.551E-05	0.00432
308	0.65396	VSUCC	-0.00015	-0.00036	-0.00055
308	1.30791	VSUCC	-0.00015	-0.00076	-0.00542
308	0	MUERTA CUB	0.00018	-0.00057	-0.00312
308	0.65396	MUERTA CUB	0.00018	0.00046	0.00038
308	1.30791	MUERTA CUB	0.00018	0.00149	0.00388
309	0	DEAD	2.027E-05	0.00013	-0.00063
309	0.65396	DEAD	2.027E-05	0.00014	0.00341
309	1.30791	DEAD	2.027E-05	0.00025	-0.00172
309	0	VIVA CUB	0.00015	0.00117	0.00427
309	0.65396	VIVA CUB	0.00015	0.00106	0.00417
309	1.30791	VIVA CUB	0.00015	0.00096	0.00408
309	0	VCOMP	0.00012	0.00093	0.00341
309	0.65396	VCOMP	0.00012	0.00085	0.00334
309	1.30791	VCOMP	0.00012	0.00077	0.00326
309	0	VSUCC	-0.00012	-0.00093	-0.00341
309	0.65396	VSUCC	-0.00012	-0.00095	-0.00334
309	1.30791	VSUCC	-0.00012	-0.00077	-0.00326
309	0	MUERTA CUB	0.00019	0.00126	0.00236
309	0.65396	MUERTA CUB	0.00019	0.00136	0.00237
309	1.30791	MUERTA CUB	0.00019	0.00146	0.00237
310	0	DEAD	-9.151E-06	-3.163E-05	-0.00025
310	0.65396	DEAD	-9.151E-06	0.0001	0.00305
310	1.30791	DEAD	-9.151E-06	0.00023	-0.00026
310	0	VIVA CUB	-6.512E-05	0.00012	0.00367
310	0.65396	VIVA CUB	-6.512E-05	0.00017	0.00329
310	1.30791	VIVA CUB	-6.512E-05	0.00015	0.00292
310	0	VCOMP	-5.209E-05	-9.295E-05	0.00293
310	0.65396	VCOMP	-5.209E-05	0.00056	0.00264

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m	
310	1.30791	VCOMP	-5.209E-05	0.00121	0.00234	
310	0.	VSUCC	5.209E-05	9.295E-06	-0.00293	
310	0.65396	VSUCC	5.209E-05	-0.00056	-0.00264	
310	1.30791	VSUCC	5.209E-05	-0.00121	-0.00234	
310	0.	MUERTA CUB	-8.076E-05	-0.00031	0.00214	
310	0.65396	MUERTA CUB	-8.076E-05	0.00091	0.00189	
310	1.30791	MUERTA CUB	-8.076E-05	0.00213	0.00164	
311	0.	DEAD	-5.119E-05	3.798E-05	-0.00101	
311	0.65396	DEAD	-5.119E-05	-4.683E-05	0.00219	
311	1.30791	DEAD	-5.119E-05	-0.00013	-0.00278	
311	0.	VIVA CUB	-0.00037	0.00045	0.00312	
311	0.65396	VIVA CUB	-0.00037	-0.0004	-0.00049	
311	1.30791	VIVA CUB	-0.00037	-0.00126	-0.00409	
311	0.	VCOMP	-0.00029	0.00036	0.0025	
311	0.65396	VCOMP	-0.00029	-0.00032	-0.00039	
311	1.30791	VCOMP	-0.00029	-0.001	-0.00327	
311	0.	VSUCC	0.00029	-0.00036	-0.0025	
311	0.65396	VSUCC	0.00029	0.00032	0.00039	
311	1.30791	VSUCC	0.00029	0.001	0.00327	
311	0.	MUERTA CUB	-0.00047	0.00034	0.00188	
311	0.65396	MUERTA CUB	-0.00047	-0.00043	-0.00028	
311	1.30791	MUERTA CUB	-0.00047	-0.0012	-0.00245	
312	0.	DEAD	-9.956E-06	5.945E-05	-0.00318	
312	0.65397	DEAD	-9.956E-06	0.00013	0.00255	
312	1.30794	DEAD	-9.956E-06	0.00019	-0.00089	
312	0.	VIVA CUB	-6.470E-05	0.00046	-0.00463	
312	0.65397	VIVA CUB	-6.470E-05	0.00099	0.00021	
312	1.30794	VIVA CUB	-6.470E-05	0.00151	0.00506	
312	0.	VCOMP	-5.176E-05	0.00037	-0.0037	
312	0.65397	VCOMP	-5.176E-05	0.00079	0.00017	
312	1.30794	VCOMP	-5.176E-05	0.00121	0.00405	
312	0.	VSUCC	5.176E-05	-0.00037	0.0037	
312	0.65397	VSUCC	5.176E-05	-0.00079	-0.00017	
312	1.30794	VSUCC	5.176E-05	-0.00121	-0.00405	
312	0.	MUERTA CUB	-8.807E-05	0.00055	-0.00263	
312	0.65397	MUERTA CUB	-8.807E-05	0.00119	0.00012	
312	1.30794	MUERTA CUB	-8.807E-05	0.00182	0.00286	
313	0.	DEAD	-1.058E-05	0.0002	-0.00089	
313	0.65397	DEAD	-1.058E-05	0.00027	0.00358	
313	1.30794	DEAD	-1.058E-05	0.00034	-0.00112	
313	0.	VIVA CUB	-6.848E-05	0.00155	0.00506	
313	0.65397	VIVA CUB	-6.848E-05	0.00207	0.00384	
313	1.30794	VIVA CUB	-6.848E-05	0.0026	0.00263	
313	0.	VCOMP	-5.479E-05	0.00124	0.00405	
313	0.65397	VCOMP	-5.479E-05	0.00166	0.00308	
313	1.30794	VCOMP	-5.479E-05	0.00208	0.0021	
313	0.	VSUCC	5.479E-05	-0.00124	-0.00405	
313	0.65397	VSUCC	5.479E-05	-0.00166	-0.00308	
313	1.30794	VSUCC	5.479E-05	-0.00208	-0.0021	
313	0.	MUERTA CUB	-9.344E-05	0.00187	0.00286	
313	0.65397	MUERTA CUB	-9.344E-05	0.0025	0.00219	
313	1.30794	MUERTA CUB	-9.344E-05	0.00313	0.00151	
314	0.	DEAD	-1.950E-05	0.00034	-0.00217	
314	0.65397	DEAD	-1.950E-05	0.00035	0.00314	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m	
314	1.30794	DEAD	-1.950E-05	0.00036	-0.00071	
314	0.	VIVA CUB	-0.00012	0.00261	0.00226	
314	0.65397	VIVA CUB	-0.00012	0.00267	0.00343	
314	1.30794	VIVA CUB	-0.00012	0.00273	0.0036	
314	0.	VCOMP	-9.669E-05	0.00209	0.00261	
314	0.65397	VCOMP	-9.669E-05	0.00214	0.00275	
314	1.30794	VCOMP	-9.669E-05	0.00218	0.00288	
314	0.	VSUCC	9.669E-05	-0.00209	-0.00261	
314	0.65397	VSUCC	9.669E-05	-0.00214	-0.00275	
314	1.30794	VSUCC	9.669E-05	-0.00218	-0.00288	
314	0.	MUERTA CUB	-0.00017	0.00318	0.00188	
314	0.65397	MUERTA CUB	-0.00017	0.00327	0.00198	
314	1.30794	MUERTA CUB	-0.00017	0.00335	0.00207	
315	0.	DEAD	-1.683E-05	0.00033	-0.00125	
315	0.65397	DEAD	-1.683E-05	0.00019	0.00228	
315	1.30794	DEAD	-1.683E-05	0.00042	-0.00335	
315	0.	VIVA CUB	-9.518E-05	0.00251	0.00576	
315	0.65397	VIVA CUB	-9.518E-05	0.00143	0.00343	
315	1.30794	VIVA CUB	-9.518E-05	0.00036	-0.00489	
315	0.	VCOMP	-7.614E-05	0.00201	0.00461	
315	0.65397	VCOMP	-7.614E-05	0.00115	0.00035	
315	1.30794	VCOMP	-7.614E-05	0.00029	-0.00392	
315	0.	VSUCC	7.614E-05	-0.00201	-0.00461	
315	0.65397	VSUCC	7.614E-05	-0.00115	-0.00035	
315	1.30794	VSUCC	7.614E-05	-0.00029	0.00392	
315	0.	MUERTA CUB	-0.00014	0.00331	0.0033	
315	0.65397	MUERTA CUB	-0.00014	0.00176	0.00025	
315	1.30794	MUERTA CUB	-0.00014	0.00042	-0.00281	
316	0.	DEAD	5.645E-06	0.	0.	
316	0.46629	DEAD	5.645E-06	0.	0.	
316	0.93258	DEAD	5.645E-06	0.	0.	
316	0.	VIVA CUB	3.440E-05	0.	0.	
316	0.46629	VIVA CUB	3.440E-05	0.	0.	
316	0.93258	VIVA CUB	3.440E-05	0.	0.	
316	0.	VCOMP	2.752E-05	0.	0.	
316	0.46629	VCOMP	2.752E-05	0.	0.	
316	0.93258	VCOMP	2.752E-05	0.	0.	
316	0.	VSUCC	-2.752E-05	0.	0.	
316	0.46629	VSUCC	-2.752E-05	0.	0.	
316	0.93258	VSUCC	-2.752E-05	0.	0.	
316	0.	MUERTA CUB	4.879E-05	0.	0.	
316	0.46629	MUERTA CUB	4.879E-05	0.	0.	
316	0.93258	MUERTA CUB	4.879E-05	0.	0.	
317	0.	DEAD	9.015E-06	0.	0.	
317	0.46618	DEAD	9.015E-06	0.	0.	
317	0.93235	DEAD	9.015E-06	0.	0.	
317	0.	VIVA CUB	5.966E-05	0.	0.	
317	0.46618	VIVA CUB	5.966E-05	0.	0.	
317	0.93235	VIVA CUB	5.966E-05	0.	0.	
317	0.	VCOMP	4.773E-05	0.	0.	
317	0.46618	VCOMP	4.773E-05	0.	0.	
317	0.93235	VCOMP	4.773E-05	0.	0.	
317	0.	VSUCC	-4.773E-05	0.	0.	
317	0.46618	VSUCC	-4.773E-05	0.	0.	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m	
317	0.93235	VSUCC	-4.773E-05	0.	0.	
317	0.	MUERTA CUB	8.014E-05	0.	0.	
317	0.46618	MUERTA CUB	8.014E-05	0.	0.	
317	0.93235	MUERTA CUB	8.014E-05	0.	0.	
318	0.	DEAD	1.184E-05	0.	0.	
318	0.46606	DEAD	1.184E-05	0.	0.	
318	0.93213	DEAD	1.184E-05	0.	0.	
318	0.	VIVA CUB	7.986E-05	0.	0.	
318	0.46606	VIVA CUB	7.986E-05	0.	0.	
318	0.93213	VIVA CUB	7.986E-05	0.	0.	
318	0.	VCOMP	6.389E-05	0.	0.	
318	0.46606	VCOMP	6.389E-05	0.	0.	
318	0.93213	VCOMP	6.389E-05	0.	0.	
318	0.	VSUCC	-6.389E-05	0.	0.	
318	0.46606	VSUCC	-6.389E-05	0.	0.	
318	0.93213	VSUCC	-6.389E-05	0.	0.	
318	0.	MUERTA CUB	0.00011	0.	0.	
318	0.46606	MUERTA CUB	0.00011	0.	0.	
318	0.93213	MUERTA CUB	0.00011	0.	0.	
323	0.	DEAD	-2.711E-20	5.590E-19	0.	
323	0.23895	DEAD	-2.711E-20	4.473E-19	-0.00061	
323	0.47789	DEAD	-2.711E-20	3.356E-19	-0.00245	
323	0.	VIVA CUB	-1.084E-19	1.735E-18	-2.168E-18	
323	0.23895	VIVA CUB	-1.084E-19	1.942E-18	2.806E-18	
323	0.47789	VIVA CUB	-1.084E-19	2.149E-18	7.780E-18	
323	0.	VCOMP	-2.168E-19	6.505E-19	4.120E-18	
323	0.23895	VCOMP	-2.168E-19	-1.785E-19	2.462E-18	
323	0.47789	VCOMP	-2.168E-19	-1.008E-18	8.039E-18	
323	0.	VSUCC	2.168E-19	-6.505E-19	-4.120E-18	
323	0.23895	VSUCC	2.168E-19	1.785E-19	-2.462E-18	
323	0.47789	VSUCC	2.168E-19	1.008E-18	-8.039E-19	
323	0.	MUERTA CUB	-2.168E-19	3.544E-18	-5.421E-19	
323	0.23895	MUERTA CUB	-2.168E-19	1.789E-18	1.116E-18	
323	0.47789	MUERTA CUB	-2.168E-19	3.364E-20	2.774E-18	
324	0.	DEAD	0.	-2.033E-20	0.	
324	0.46595	DEAD	0.	-7.799E-05	-4.909E-07	
324	0.9319	DEAD	0.	-0.00016	-9.817E-07	
324	0.	VIVA CUB	0.	1.084E-19	0.	
324	0.46595	VIVA CUB	0.	-0.00018	-4.566E-06	
324	0.9319	VIVA CUB	0.	-0.00036	-9.132E-06	
324	0.	VCOMP	0.	0.	6.939E-18	
324	0.46595	VCOMP	0.	-0.00015	-3.653E-06	
324	0.9319	VCOMP	0.	-0.00029	-7.305E-06	
324	0.	VSUCC	0.	0.	-6.939E-18	
324	0.46595	VSUCC	0.	0.00015	3.653E-06	
324	0.9319	VSUCC	0.	0.00029	7.305E-06	
324	0.	MUERTA CUB	0.	5.421E-20	0.	
324	0.46595	MUERTA CUB	0.	-0.00073	-4.875E-06	
324	0.9319	MUERTA CUB	0.	-0.00146	-9.751E-06	
326	0.	DEAD	-7.169E-07	-1.717E-06	0.00416	
326	0.46595	DEAD	-7.169E-07	1.825E-06	0.00023	
326	0.9319	DEAD	-7.169E-07	3.822E-06	-0.0037	
326	0.	VIVA CUB	-2.265E-05	-9.530E-05	0.00425	
326	0.46595	VIVA CUB	-2.265E-05	0.00046	0.00038	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m	
326	0.9319	VIVA CUB	-2.265E-05	0.00102	-0.00349	
326	0.	VCOMP	-1.812E-05	-7.624E-05	0.0034	
326	0.46595	VCOMP	-1.812E-05	0.00037	0.0003	
326	0.9319	VCOMP	-1.812E-05	0.00082	-0.00279	
326	0.	VSUCC	1.812E-05	7.624E-05	-0.0034	
326	0.46595	VSUCC	1.812E-05	-0.00037	-0.0003	
326	0.9319	VSUCC	1.812E-05	-0.00082	0.00279	
326	0.	MUERTA CUB	-6.220E-06	-1.518E-05	0.00211	
326	0.46595	MUERTA CUB	-6.220E-06	0.00016	0.00019	
326	0.9319	MUERTA CUB	-6.220E-06	0.00029	-0.00174	
327	0.	DEAD	9.640E-07	2.392E-05	0.00335	
327	0.4654	DEAD	9.640E-07	1.039E-05	-0.00036	
327	0.9328	DEAD	9.640E-07	-1.143E-06	-0.00407	
327	0.	VIVA CUB	1.601E-06	0.00029	0.00474	
327	0.4654	VIVA CUB	1.601E-06	0.0001	0.00027	
327	0.9328	VIVA CUB	1.601E-06	-0.172E-05	-0.0042	
327	0.	VCOMP	1.281E-06	0.00023	0.00331	
327	0.4654	VCOMP	1.281E-06	8.51E-05	0.00029	
327	0.9328	VCOMP	1.281E-06	-6.539E-05	-0.00336	
327	0.	VSUCC	-1.281E-06	-0.00023	-0.00339	
327	0.4654	VSUCC	-1.281E-06	-8.51E-05	-0.00031	
327	0.9328	VSUCC	-1.281E-06	6.539E-05	0.00336	
327	0.	MUERTA CUB	8.421E-06	0.0002	0.00238	
327	0.4654	MUERTA CUB	8.421E-06	8.922E-05	0.00014	
327	0.9328	MUERTA CUB	8.421E-06	-6.813E-05	-0.00021	
328	0.	DEAD	-7.192E-06	-1.716E-05	0.00025	
328	0.53636	DEAD	-7.192E-06	1.162E-06	0.00205	
328	1.30791	DEAD	-7.192E-06	3.151E-05	0.00071	
328	0.	VIVA CUB	-6.518E-05	0.00018	-0.00467	
328	0.53636	VIVA CUB	-6.518E-05	0.00016	0.00065	
328	1.30791	VIVA CUB	-6.518E-05	0.00013	0.00097	
328	0.	VCOMP	-5.214E-05	0.00015	-0.00374	
328	0.53636	VCOMP	-5.214E-05	0.00013	0.00052	
328	1.30791	VCOMP	-5.214E-05	0.00011	0.00477	
328	0.	VSUCC	5.214E-05	-0.00015	0.00374	
328	0.53636	VSUCC	5.214E-05	-0.00013	-0.00052	
328	1.30791	VSUCC	5.214E-05	-0.0001	-0.00477	
328	0.	MUERTA CUB	-6.193E-05	-0.00015	-0.0023	
328	0.53636	MUERTA CUB	-6.193E-05	6.626E-05	0.00033	
328	1.30791	MUERTA CUB	-6.193E-05	0.00029	0.00296	
329	0.	DEAD	-1.051E-06	2.734E-05	-0.00067	
329	0.53636	DEAD	-1.051E-06	2.373E-05	0.00336	
329	1.30791	DEAD	-1.051E-06	2.018E-05	-0.00178	
329	0.	VIVA CUB	-8.478E-06	0.00051	0.00393	
329	0.53636	VIVA CUB	-8.478E-06	0.00015	0.00375	
329	1.30791	VIVA CUB	-8.478E-06	-0.00022	0.00357	
329	0.	VCOMP	-6.782E-06	0.00041	0.00314	
329	0.53636	VCOMP	-6.782E-06	0.00012	0.003	
329	1.30791	VCOMP	-6.782E-06	-0.00017	0.00286	
329	0.	VSUCC	6.782E-06	-0.00041	-0.00314	
329	0.53636	VSUCC	6.782E-06	-0.00012	-0.003	
329	1.30791	VSUCC	6.782E-06	0.00017	-0.00286	
329	0.	MUERTA CUB	-9.188E-06	0.00024	0.00198	
329	0.53636	MUERTA CUB	-9.188E-06	0.00022	0.00187	

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
329	1.30791	MUERTA CUB	-9.188E-06	0.00019	0.00177
330	0.	DEAD	2.161E-08	4.662E-05	-0.00028
330	0.65396	DEAD	2.161E-08	2.951E-05	0.003
330	1.30791	DEAD	2.161E-08	1.240E-05	-0.00289
330	0.	VIVA CUB	6.128E-06	0.00054	0.00319
330	0.65396	VIVA CUB	6.128E-06	6.797E-05	0.00293
330	1.30791	VIVA CUB	6.128E-06	-0.0004	0.00267
330	0.	VCOMP	4.902E-06	0.00043	0.00255
330	0.65396	VCOMP	4.902E-06	5.438E-05	0.00235
330	1.30791	VCOMP	4.902E-06	-0.00032	0.00214
330	0.	VSUCC	-4.902E-06	-0.00043	-0.00255
330	0.65396	VSUCC	-4.902E-06	-5.438E-05	-0.00235
330	1.30791	VSUCC	-4.902E-06	0.00032	-0.00214
330	0.	MUERTA CUB	5.643E-08	0.00041	0.00157
330	0.65396	MUERTA CUB	5.643E-08	0.00027	0.00146
330	1.30791	MUERTA CUB	5.643E-08	0.00012	0.00134
331	0.	DEAD	2.000E-06	4.996E-05	-0.00108
331	0.65396	DEAD	2.000E-06	1.543E-05	0.0022
331	1.30791	DEAD	2.000E-06	-1.910E-05	-0.0037
331	0.	VIVA CUB	4.444E-05	0.00046	0.0026
331	0.65396	VIVA CUB	4.444E-05	6.738E-05	-0.00042
331	1.30791	VIVA CUB	4.444E-05	-0.00032	-0.00344
331	0.	VCOMP	3.555E-05	0.00036	0.00208
331	0.65396	VCOMP	3.555E-05	5.391E-05	-0.00034
331	1.30791	VCOMP	3.555E-05	-0.00026	-0.00275
331	0.	VSUCC	-3.555E-05	-0.00036	-0.00208
331	0.65396	VSUCC	-3.555E-05	-5.391E-05	-0.00034
331	1.30791	VSUCC	-3.555E-05	0.00026	0.00275
331	0.	MUERTA CUB	1.739E-05	0.00045	0.00126
331	0.65396	MUERTA CUB	1.739E-05	0.00014	-0.00021
331	1.30791	MUERTA CUB	1.739E-05	-0.00017	-0.00168
332	0.	DEAD	-1.198E-07	-5.899E-06	-0.00312
332	0.65397	DEAD	-1.198E-07	-1.189E-06	0.00255
332	1.30794	DEAD	-1.198E-07	-1.793E-05	-0.00096
332	0.	VIVA CUB	1.410E-05	-0.00012	-0.00416
332	0.65397	VIVA CUB	1.410E-05	-0.00022	0.0002
332	1.30794	VIVA CUB	1.410E-05	-0.00033	0.00456
332	0.	VCOMP	1.128E-05	-9.381E-05	-0.00333
332	0.65397	VCOMP	1.128E-05	-0.00018	0.00016
332	1.30794	VCOMP	1.128E-05	-0.00026	0.00365
332	0.	VSUCC	-1.128E-05	9.381E-05	0.00333
332	0.65397	VSUCC	-1.128E-05	0.00018	-0.00016
332	1.30794	VSUCC	-1.128E-05	0.00026	-0.00365
332	0.	MUERTA CUB	-1.225E-06	-4.961E-05	-0.00208
332	0.65397	MUERTA CUB	-1.225E-06	-0.0001	0.0001
332	1.30794	MUERTA CUB	-1.225E-06	-0.00015	0.00228
333	0.	DEAD	-1.494E-07	-1.756E-05	-0.00096
333	0.65397	DEAD	-1.494E-07	-2.352E-05	0.00352
333	1.30794	DEAD	-1.494E-07	-2.949E-05	-0.00116
333	0.	VIVA CUB	1.493E-05	-0.00033	0.00456
333	0.65397	VIVA CUB	1.493E-05	0.00044	0.00344
333	1.30794	VIVA CUB	1.493E-05	-0.00054	0.00232
333	0.	VCOMP	1.194E-05	-0.00027	0.00365
333	0.65397	VCOMP	1.194E-05	-0.00035	0.00275

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
333	1.30794	VCOMP	1.194E-05	-0.00043	0.00186
333	0.	VSUCC	-1.194E-05	0.00027	-0.00365
333	0.65397	VSUCC	-1.194E-05	-0.00035	-0.00275
333	1.30794	VSUCC	-1.194E-05	0.00043	-0.00186
333	0.	MUERTA CUB	-1.492E-06	-0.00015	0.00228
333	0.65397	MUERTA CUB	-1.492E-06	-0.0002	0.00172
333	1.30794	MUERTA CUB	-1.492E-06	-0.00025	0.00115
334	0.	DEAD	-2.098E-07	-2.676E-05	-0.00223
334	0.65397	DEAD	-2.098E-07	-2.512E-05	0.00309
334	1.30794	DEAD	-2.098E-07	-2.348E-05	-0.00076
334	0.	VIVA CUB	2.752E-05	-0.00053	0.00088
334	0.65397	VIVA CUB	2.752E-05	-0.0005	0.00304
334	1.30794	VIVA CUB	2.752E-05	-0.00047	0.0032
334	0.	VCOMP	2.202E-05	-0.00043	0.0023
334	0.65397	VCOMP	2.202E-05	-0.0004	0.00243
334	1.30794	VCOMP	2.202E-05	-0.00038	0.00256
334	0.	VSUCC	-2.202E-05	0.00043	-0.0023
334	0.65397	VSUCC	-2.202E-05	0.0004	-0.00243
334	1.30794	VSUCC	-2.202E-05	0.00038	-0.00256
334	0.	MUERTA CUB	-1.914E-06	-0.00023	0.00142
334	0.65397	MUERTA CUB	-1.914E-06	-0.00021	0.00151
334	1.30794	MUERTA CUB	-1.914E-06	-0.0002	0.00159
335	0.	DEAD	6.392E-07	-2.206E-05	-0.00134
335	0.65397	DEAD	6.392E-07	-1.153E-05	0.00228
335	1.30794	DEAD	6.392E-07	-9.874E-07	-0.00328
335	0.	VIVA CUB	4.480E-05	-0.00046	0.00512
335	0.65397	VIVA CUB	4.480E-05	-0.00022	0.00039
335	1.30794	VIVA CUB	4.480E-05	2.173E-05	-0.00434
335	0.	VCOMP	3.584E-05	-0.00037	0.00409
335	0.65397	VCOMP	3.584E-05	-0.00018	0.00031
335	1.30794	VCOMP	3.584E-05	1.739E-05	-0.00347
335	0.	VSUCC	-3.584E-05	0.00037	-0.00409
335	0.65397	VSUCC	-3.584E-05	0.00018	-0.00031
335	1.30794	VSUCC	-3.584E-05	1.739E-05	0.00347
335	0.	MUERTA CUB	5.579E-06	-0.00019	0.00255
335	0.65397	MUERTA CUB	5.579E-06	-9.730E-05	0.00019
335	1.30794	MUERTA CUB	5.579E-06	-7.931E-06	-0.00216
336	0.	DEAD	2.684E-07	0.	0.
336	0.46629	DEAD	2.684E-07	0.	0.
336	0.93258	DEAD	2.684E-07	0.	0.
336	0.	VIVA CUB	-7.532E-06	0.	0.
336	0.46629	VIVA CUB	-7.532E-06	0.	0.
336	0.93258	VIVA CUB	-7.532E-06	0.	0.
336	0.	VCOMP	-6.026E-06	0.	0.
336	0.46629	VCOMP	-6.026E-06	0.	0.
336	0.93258	VCOMP	-6.026E-06	0.	0.
336	0.	VSUCC	6.026E-06	0.	0.
336	0.46629	VSUCC	6.026E-06	0.	0.
336	0.93258	VSUCC	6.026E-06	0.	0.
336	0.	MUERTA CUB	-2.425E-06	0.	0.
336	0.46629	MUERTA CUB	-2.425E-06	0.	0.
336	0.93258	MUERTA CUB	-2.425E-06	0.	0.
337	0.	DEAD	-1.816E-07	0.	0.
337	0.46618	DEAD	-1.816E-07	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
337	0.93235	DEAD	-1.816E-07	0.	0.
337	0.	VIVA CUB	-1.405E-05	0.	0.
337	0.46618	VIVA CUB	-1.405E-05	0.	0.
337	0.93235	VIVA CUB	-1.405E-05	0.	0.
337	0.	VCOMP	-1.124E-05	0.	0.
337	0.46618	VCOMP	-1.124E-05	0.	0.
337	0.93235	VCOMP	-1.124E-05	0.	0.
337	0.	VSUCC	1.124E-05	0.	0.
337	0.46618	VSUCC	1.124E-05	0.	0.
337	0.93235	VSUCC	1.124E-05	0.	0.
337	0.	MUERTA CUB	-1.503E-06	0.	0.
337	0.46618	MUERTA CUB	-1.503E-06	0.	0.
337	0.93235	MUERTA CUB	-1.503E-06	0.	0.
338	0.	DEAD	-6.039E-07	0.	0.
338	0.46606	DEAD	-6.039E-07	0.	0.
338	0.93213	DEAD	-6.039E-07	0.	0.
338	0.	VIVA CUB	-2.030E-05	0.	0.
338	0.46606	VIVA CUB	-2.030E-05	0.	0.
338	0.93213	VIVA CUB	-2.030E-05	0.	0.
338	0.	VCOMP	-1.624E-05	0.	0.
338	0.46606	VCOMP	-1.624E-05	0.	0.
338	0.93213	VCOMP	-1.624E-05	0.	0.
338	0.	VSUCC	1.624E-05	0.	0.
338	0.46606	VSUCC	1.624E-05	0.	0.
338	0.93213	VSUCC	1.624E-05	0.	0.
338	0.	MUERTA CUB	-5.214E-06	0.	0.
338	0.46606	MUERTA CUB	-5.214E-06	0.	0.
338	0.93213	MUERTA CUB	-5.214E-06	0.	0.
343	0.	DEAD	0.	2.033E-20	2.168E-19
343	0.23895	DEAD	0.	3.004E-20	-0.00061
343	0.47789	DEAD	0.	3.976E-20	-0.00245
343	0.	VIVA CUB	2.711E-20	0.	-8.674E-19
343	0.23895	VIVA CUB	2.711E-20	-2.073E-19	2.449E-18
343	0.47789	VIVA CUB	2.711E-20	-4.145E-19	5.765E-18
343	0.	VCOMP	1.355E-20	-1.084E-18	-8.674E-19
343	0.23895	VCOMP	1.355E-20	-8.769E-19	2.449E-18
343	0.47789	VCOMP	1.355E-20	-6.697E-19	5.765E-18
343	0.	VSUCC	-1.355E-20	1.084E-18	8.674E-19
343	0.23895	VSUCC	-1.355E-20	8.769E-19	-2.449E-18
343	0.47789	VSUCC	-1.355E-20	6.697E-19	-5.765E-18
343	0.	MUERTA CUB	-2.711E-20	-1.626E-19	1.518E-18
343	0.23895	MUERTA CUB	-2.711E-20	-2.144E-19	6.889E-19
343	0.47789	MUERTA CUB	-2.711E-20	-2.663E-19	-1.401E-19
344	0.	DEAD	0.	-1.355E-20	8.674E-19
344	0.46595	DEAD	0.	2.514E-05	-2.388E-08
344	0.9319	DEAD	0.	5.028E-05	-4.776E-08
344	0.	VIVA CUB	0.	0.	0.
344	0.46595	VIVA CUB	0.	6.491E-05	-2.221E-07
344	0.9319	VIVA CUB	0.	0.00013	-4.443E-07
344	0.	VCOMP	0.	0.	-3.469E-18
344	0.46595	VCOMP	0.	5.192E-05	-1.777E-07
344	0.9319	VCOMP	0.	0.0001	-3.554E-07
344	0.	VSUCC	0.	0.	3.469E-18
344	0.46595	VSUCC	0.	-5.192E-05	1.777E-07

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
344	0.9319	VSUCC	0.	-0.0001	3.554E-07
344	0.	MUERTA CUB	0.	-2.168E-19	-6.939E-18
344	0.46595	MUERTA CUB	0.	0.00023	-2.372E-07
344	0.9319	MUERTA CUB	0.	0.00047	-4.744E-07
346	0.	DEAD	-1.012E-05	-4.159E-06	0.00422
346	0.46595	DEAD	-1.012E-05	0.0001	0.00023
346	0.9319	DEAD	-1.012E-05	0.00021	-0.00375
346	0.	VIVA CUB	-7.989E-05	-8.962E-05	0.00469
346	0.46595	VIVA CUB	-7.989E-05	0.00109	0.00043
346	0.9319	VIVA CUB	-7.989E-05	0.00227	-0.00384
346	0.	VCOMP	-6.391E-05	-7.169E-05	0.00376
346	0.46595	VCOMP	-6.391E-05	0.00087	

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
349	1.30791	VIVA CUB	-0.00014	-0.0011	0.004
349	0	VCOMP	-0.00011	-0.00015	0.00335
349	0.65396	VCOMP	-0.00011	-0.00052	0.00327
349	1.30791	VCOMP	-0.00011	-0.00088	0.0032
349	0	VSUCC	0.00011	0.00015	-0.00335
349	0.65396	VSUCC	0.00011	0.00052	-0.00327
349	1.30791	VSUCC	0.00011	0.00088	-0.0032
349	0	MUERTA CUB	-0.0002	-0.00078	0.00232
349	0.65396	MUERTA CUB	-0.0002	-0.00086	0.00232
349	1.30791	MUERTA CUB	-0.0002	-0.00095	0.00233
350	0	DEAD	9.691E-06	0.0001	-0.00022
350	0.65396	DEAD	9.691E-06	-3.629E-05	0.00304
350	1.30791	DEAD	9.691E-06	-0.00018	-0.00286
350	0	VIVA CUB	6.282E-05	0.00082	0.00358
350	0.65396	VIVA CUB	6.282E-05	-0.00051	0.00323
350	1.30791	VIVA CUB	6.282E-05	-0.00183	0.00289
350	0	VCOMP	5.025E-05	0.00066	0.00287
350	0.65396	VCOMP	5.025E-05	-0.0004	0.00259
350	1.30791	VCOMP	5.025E-05	-0.00147	0.00231
350	0	VSUCC	-5.025E-05	-0.00066	-0.00287
350	0.65396	VSUCC	-5.025E-05	0.0004	-0.00259
350	1.30791	VSUCC	-5.025E-05	0.00147	-0.00231
350	0	MUERTA CUB	8.614E-05	0.00095	0.00209
350	0.65396	MUERTA CUB	8.614E-05	-0.00033	0.00186
350	1.30791	MUERTA CUB	8.614E-05	-0.00161	0.00162
351	0	DEAD	4.738E-05	4.674E-05	-0.00102
351	0.65396	DEAD	4.738E-05	5.892E-05	0.00219
351	1.30791	DEAD	4.738E-05	7.110E-05	-0.00377
351	0	VIVA CUB	0.00032	0.00017	0.00302
351	0.65396	VIVA CUB	0.00032	0.00026	-0.00047
351	1.30791	VIVA CUB	0.00032	0.00035	-0.00396
351	0	VCOMP	0.00026	0.00013	0.00241
351	0.65396	VCOMP	0.00026	0.00021	-0.00038
351	1.30791	VCOMP	0.00026	0.00028	-0.00317
351	0	VSUCC	-0.00026	-0.00013	-0.00241
351	0.65396	VSUCC	-0.00026	-0.00021	0.00038
351	1.30791	VSUCC	-0.00026	-0.00028	0.00317
351	0	MUERTA CUB	0.00043	0.00042	0.00181
351	0.65396	MUERTA CUB	0.00043	0.00054	-0.00028
351	1.30791	MUERTA CUB	0.00043	0.00067	-0.00237
352	0	DEAD	8.079E-06	-5.664E-05	-0.00318
352	0.65397	DEAD	8.079E-06	-0.00012	0.00255
352	1.30794	DEAD	8.079E-06	-0.00019	-0.0009
352	0	VIVA CUB	6.446E-05	-0.00045	-0.00455
352	0.65397	VIVA CUB	6.446E-05	-0.00096	0.00021
352	1.30794	VIVA CUB	6.446E-05	-0.00146	0.00497
352	0	VCOMP	5.156E-05	-0.00036	-0.00364
352	0.65397	VCOMP	5.156E-05	-0.00076	0.00016
352	1.30794	VCOMP	5.156E-05	-0.00117	0.00397
352	0	VSUCC	-5.156E-05	0.00036	0.00364
352	0.65397	VSUCC	-5.156E-05	0.00076	-0.00016
352	1.30794	VSUCC	-5.156E-05	0.00117	-0.00397
352	0	MUERTA CUB	7.131E-05	-0.00052	-0.00259
352	0.65397	MUERTA CUB	7.131E-05	-0.00113	0.00011

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
352	1.30794	MUERTA CUB	7.131E-05	-0.00174	0.00281
353	0	DEAD	8.548E-06	-0.00019	-0.0009
353	0.65397	DEAD	8.548E-06	-0.00025	0.00357
353	1.30794	DEAD	8.548E-06	-0.00032	-0.00113
353	0	VIVA CUB	6.825E-05	-0.00149	0.00497
353	0.65397	VIVA CUB	6.825E-05	-0.00199	0.00377
353	1.30794	VIVA CUB	6.825E-05	-0.00249	0.00258
353	0	VCOMP	5.460E-05	-0.00119	0.00397
353	0.65397	VCOMP	5.460E-05	-0.00159	0.00302
353	1.30794	VCOMP	5.460E-05	-0.00199	0.00206
353	0	VSUCC	-5.460E-05	0.00119	-0.00397
353	0.65397	VSUCC	-5.460E-05	0.00159	-0.00302
353	1.30794	VSUCC	-5.460E-05	0.00199	-0.00206
353	0	MUERTA CUB	7.534E-05	-0.00178	0.00281
353	0.65397	MUERTA CUB	7.534E-05	-0.00239	0.00215
353	1.30794	MUERTA CUB	7.534E-05	-0.003	0.00148
354	0	DEAD	1.635E-05	-0.00033	-0.00218
354	0.65397	DEAD	1.635E-05	-0.00033	0.00314
354	1.30794	DEAD	1.635E-05	-0.00034	-0.00071
354	0	VIVA CUB	0.00013	-0.00251	0.0032
354	0.65397	VIVA CUB	0.00013	-0.00254	0.00337
354	1.30794	VIVA CUB	0.00013	-0.00257	0.00353
354	0	VCOMP	0.0001	-0.00201	0.00256
354	0.65397	VCOMP	0.0001	-0.00203	0.00269
354	1.30794	VCOMP	0.0001	-0.00206	0.00283
354	0	VSUCC	-0.0001	0.00201	-0.00256
354	0.65397	VSUCC	-0.0001	0.00203	-0.00269
354	1.30794	VSUCC	-0.0001	0.00206	-0.00283
354	0	MUERTA CUB	0.00014	-0.00302	0.00185
354	0.65397	MUERTA CUB	0.00014	-0.00309	0.00194
354	1.30794	MUERTA CUB	0.00014	-0.00317	0.00203
355	0	DEAD	1.421E-05	-0.00031	-0.00126
355	0.65397	DEAD	1.421E-05	-0.00018	0.00228
355	1.30794	DEAD	1.421E-05	-3.899E-05	-0.00334
355	0	VIVA CUB	0.00012	-0.00239	0.00564
355	0.65397	VIVA CUB	0.00012	-0.00132	0.00042
355	1.30794	VIVA CUB	0.00012	-0.00025	-0.0048
355	0	VCOMP	9.787E-05	-0.00191	0.00451
355	0.65397	VCOMP	9.787E-05	-0.00105	0.00034
355	1.30794	VCOMP	9.787E-05	-0.0002	-0.00384
355	0	VSUCC	-9.787E-05	0.00191	-0.00451
355	0.65397	VSUCC	-9.787E-05	0.00105	-0.00034
355	1.30794	VSUCC	-9.787E-05	0.0002	0.00384
355	0	MUERTA CUB	0.00012	-0.00292	0.00323
355	0.65397	MUERTA CUB	0.00012	-0.00165	0.00024
355	1.30794	MUERTA CUB	0.00012	-0.00038	-0.00275
356	0	DEAD	-4.265E-06	0.	0.
356	0.46629	DEAD	-4.265E-06	0.	0.
356	0.93258	DEAD	-4.265E-06	0.	0.
356	0	VIVA CUB	-3.445E-05	0.	0.
356	0.46629	VIVA CUB	-3.445E-05	0.	0.
356	0.93258	VIVA CUB	-3.445E-05	0.	0.
356	0	VCOMP	-2.756E-05	0.	0.
356	0.46629	VCOMP	-2.756E-05	0.	0.

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
356	0.93258	VCOMP	-2.756E-05	0.	0.
356	0	VSUCC	2.756E-05	0.	0.
356	0.46629	VSUCC	2.756E-05	0.	0.
356	0.93258	VCOMP	-2.756E-05	0.	0.
356	0	MUERTA CUB	-3.662E-05	0.	0.
356	0.46629	MUERTA CUB	-3.662E-05	0.	0.
356	0.93258	MUERTA CUB	-3.662E-05	0.	0.
357	0	DEAD	-7.854E-06	0.	0.
357	0.46618	DEAD	-7.854E-06	0.	0.
357	0.93235	DEAD	-7.854E-06	0.	0.
357	0	VIVA CUB	-6.126E-05	0.	0.
357	0.46618	VIVA CUB	-6.126E-05	0.	0.
357	0.93235	VIVA CUB	-6.126E-05	0.	0.
357	0	VCOMP	-4.901E-05	0.	0.
357	0.46618	VCOMP	-4.901E-05	0.	0.
357	0.93235	VCOMP	-4.901E-05	0.	0.
357	0	VSUCC	4.901E-05	0.	0.
357	0.46618	VSUCC	4.901E-05	0.	0.
357	0.93235	VSUCC	4.901E-05	0.	0.
357	0	MUERTA CUB	-6.977E-05	0.	0.
357	0.46618	MUERTA CUB	-6.977E-05	0.	0.
357	0.93235	MUERTA CUB	-6.977E-05	0.	0.
358	0	DEAD	-1.076E-05	0.	0.
358	0.46606	DEAD	-1.076E-05	0.	0.
358	0.93213	DEAD	-1.076E-05	0.	0.
358	0	VIVA CUB	-8.266E-05	0.	0.
358	0.46606	VIVA CUB	-8.266E-05	0.	0.
358	0.93213	VIVA CUB	-8.266E-05	0.	0.
358	0	VCOMP	-6.613E-05	0.	0.
358	0.46606	VCOMP	-6.613E-05	0.	0.
358	0.93213	VCOMP	-6.613E-05	0.	0.
358	0	VSUCC	6.613E-05	0.	0.
358	0.46606	VSUCC	6.613E-05	0.	0.
358	0.93213	VSUCC	6.613E-05	0.	0.
358	0	MUERTA CUB	-9.647E-05	0.	0.
358	0.46606	MUERTA CUB	-9.647E-05	0.	0.
358	0.93213	MUERTA CUB	-9.647E-05	0.	0.
363	0	DEAD	1.355E-20	-2.507E-19	1.628E-18
363	0.23895	DEAD	1.355E-20	-2.281E-19	-0.00061
363	0.47789	DEAD	1.355E-20	-2.054E-19	-0.00245
363	0	VIVA CUB	2.168E-19	-2.602E-18	-4.337E-19
363	0.23895	VIVA CUB	2.168E-19	-1.980E-18	1.224E-18
363	0.47789	VIVA CUB	2.168E-19	-1.359E-18	2.882E-18
363	0	VCOMP	1.084E-19	-1.518E-18	-8.674E-19
363	0.23895	VCOMP	1.084E-19	-2.140E-18	2.449E-18
363	0.47789	VCOMP	1.084E-19	-2.761E-18	5.765E-18
363	0	VSUCC	-1.084E-19	1.518E-18	8.674E-19
363	0.23895	VSUCC	-1.084E-19	2.140E-18	-2.449E-18
363	0.47789	VSUCC	-1.084E-19	2.761E-18	-5.765E-18
363	0	MUERTA CUB	1.084E-19	-1.735E-18	5.421E-19
363	0.23895	MUERTA CUB	1.084E-19	-8.798E-19	2.200E-18
363	0.47789	MUERTA CUB	1.084E-19	-2.489E-18	3.858E-18
364	0	DEAD	0.	0.	8.674E-19
364	0.46595	DEAD	0.	8.832E-05	3.534E-07

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
364	0.9319	DEAD	0.	0.00018	7.068E-07
364	0	VIVA CUB	0.	0.	0.
364	0.46595	VIVA CUB	0.	0.00026	3.287E-06
364	0.9319	VIVA CUB	0.	0.00051	6.575E-06
364	0	VCOMP	0.	-5.421E-20	6.939E-18
364	0.46595	VCOMP	0.	0.0002	2.630E-06
364	0.9319	VCOMP	0.	0.00041	5.260E-06
364	0	VSUCC	0.	5.421E-20	-6.939E-18
364	0.46595	VSUCC	0.	-0.0002	-2.630E-06
364	0.9319	VSUCC	0.	-0.00041	-5.260E-06
364	0	MUERTA CUB	0.	0.	0.
364	0.46595	MUERTA CUB	0.	0.00082	3.510E-06
364	0.9319	MUERTA CUB	0.	0.00165	7.020E-06
366	0	DEAD	5.673E-05	3.042E-05	0.00393
366	0.46595	DEAD	5.673E-05	-0.00087	0.0002
366	0.9319	DEAD	5.673E-05	-0.00176	-0.00353
366	0	VIVA CUB	0.00039	0.00037	0.00276
366	0.46595	VIVA CUB	0.00039	-0.00024	0.00023
366	0.9319	VIVA CUB	0.00039	-0.01285	0.0023
366	0	VCOMP	0.00031	0.00029	0.00221
366	0.46595	VCOMP	0.00031	-0.005	0.00018
366	0.9319	VCOMP	0.00031	-0.01028	-0.00184
366	0	VSUCC	-0.00031	-0.00029	-0.00221
366	0.46595	VSUCC	-0.00031	0.005	-0.00018
366	0.9319	VSUCC	-0.00031	0.01028	0.00184
366	0	MUERTA CUB	0.00052	8.411E-09	0.
366	0.46595	MUERTA CUB	0.00052	-0.00795	-1.119E-05
366	0.9319	MUERTA CUB	0.00052	-0.01618	-0.00011
367	0	DEAD	-1.339E-05	-0.00113	0.00304
367	0.4664	DEAD	-1.339E-05	-0.00044	-0.0004
367	0.9328	DEAD	-1.339E-05	0.00025	-0.00385
367	0	VIVA CUB	-8.332E-05	-0.00733	0.0027
367	0.4664	VIVA CUB	-8.332E-05	-0.00283	-8.738E-06
367	0.9328	VIVA CUB	-8.332E-05	0.00166	-0.00272
367	0	VCOMP	-6.666E-05	-0.00586	0.00216
367	0.4664	VCOMP	-6.666E-05	-0.00227	-6.990E-06
367	0.9328	VCOMP	-6.666E-05	0.00133	-0.00218
367	0	VSUCC	6.666E-05	0.00586	-0.00216
367	0.4664	VSUCC	6.666E-05	0.00227	6.990E-06
367	0.9328	VSUCC	6.666E-05	-0.00133	0.00218
367	0	MUERTA CUB	-0.00012	-0.01032	-0.00044
367	0.4664	MUERTA CUB	-0.00012	-0.00366	-0.00025
367	0.9328	MUERTA CUB	-0.00012	0.0023	-7.021E-05
368	0	DEAD	0.00025	0.00042	-0.00568
368	0.65396	DEAD	0.00025	3.984E-05	0.00198
368	1.30791	DEAD	0.00025	-0.00034	0.00046
368	0	VIVA CUB	0.00182	0.00279	-0.00395
368	0.65396	VIVA CUB	0.00182	0.00029	0.00016
368	1.30791	VIVA CUB	0.00182	-0.0002	0.00427
368	0	VCOMP	0.00013	0.00223	-0.00316
368	0.65396	VCOMP	0.0013	0.00024	0.00013
368	1.30791	VCOMP	0.0013	-0.00176	0.00342
368	0	VSUCC	-0.0013	0.00223	0.00316
368	0.65396	VSUCC	-0.0013	-0.00024	-0.00013

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m	
368	1.30791	VSUCC	-0.0013	0.00176	-0.00342	
368	0.	MUERTA CUB	0.00225	0.00373	-0.0014	
368	0.65396	MUERTA CUB	0.00225	0.00026	-0.00096	
368	1.30791	MUERTA CUB	0.00225	-0.00322	0.00068	
369	0.	DEAD	0.00012	-0.00033	-0.00081	
369	0.65396	DEAD	0.00012	0.00014	0.00319	
369	1.30791	DEAD	0.00012	0.0006	-0.00199	
369	0.	VIVA CUB	0.00077	-0.00195	0.00303	
369	0.65396	VIVA CUB	0.00077	0.00085	0.00262	
369	1.30791	VIVA CUB	0.00077	0.00364	0.00221	
369	0.	VCOMP	0.00062	-0.00156	0.00242	
369	0.65396	VCOMP	0.00062	0.00068	0.0021	
369	1.30791	VCOMP	0.00062	0.00291	0.00177	
369	0.	VSUCC	-0.00062	0.00156	-0.00242	
369	0.65396	VSUCC	-0.00062	-0.00068	-0.0021	
369	1.30791	VSUCC	-0.00062	-0.00291	-0.00177	
369	0.	MUERTA CUB	0.00109	-0.00319	0.00077	
369	0.65396	MUERTA CUB	0.00109	0.00119	0.00034	
369	1.30791	MUERTA CUB	0.00109	0.00567	-0.0001	
370	0.	DEAD	-4.275E-05	-0.00083	-0.00046	
370	0.65396	DEAD	-4.275E-05	-3.922E-05	0.00285	
370	1.30791	DEAD	-4.275E-05	0.00075	-0.00301	
370	0.	VIVA CUB	-0.00027	-0.00551	0.00196	
370	0.65396	VIVA CUB	-0.00027	-0.00065	0.00191	
370	1.30791	VIVA CUB	-0.00027	0.00421	0.00187	
370	0.	VCOMP	-0.00021	-0.00441	0.00157	
370	0.65396	VCOMP	-0.00021	-0.00052	0.00153	
370	1.30791	VCOMP	-0.00021	0.00337	0.00149	
370	0.	VSUCC	0.00021	0.00441	-0.00157	
370	0.65396	VSUCC	0.00021	0.00052	-0.00153	
370	1.30791	VSUCC	0.00021	-0.00337	-0.00149	
370	0.	MUERTA CUB	-0.00038	-0.00755	-0.00011	
370	0.65396	MUERTA CUB	-0.00038	-0.00035	5.759E-05	
370	1.30791	MUERTA CUB	-0.00038	0.00686	0.00023	
371	0.	DEAD	-0.00024	-0.00087	-0.00126	
371	0.65396	DEAD	-0.00024	-0.00047	0.00222	
371	1.30791	DEAD	-0.00024	-7.565E-05	-0.00347	
371	0.	VIVA CUB	-0.00154	-0.00625	0.00141	
371	0.65396	VIVA CUB	-0.00154	-0.00345	-0.00025	
371	1.30791	VIVA CUB	-0.00154	-0.00065	-0.00191	
371	0.	VCOMP	-0.00123	-0.005	0.00113	
371	0.65396	VCOMP	-0.00123	-0.00216	-0.0002	
371	1.30791	VCOMP	-0.00123	-0.00052	-0.00153	
371	0.	VSUCC	0.00123	0.005	-0.00113	
371	0.65396	VSUCC	0.00123	0.00276	0.0002	
371	1.30791	VSUCC	0.00123	0.00052	0.00153	
371	0.	MUERTA CUB	-0.00225	-0.00798	-0.0004	
371	0.65396	MUERTA CUB	-0.00225	-0.00432	1.894E-05	
371	1.30791	MUERTA CUB	-0.00225	-0.00066	0.00043	
372	0.	DEAD	-3.494E-05	0.00038	-0.00291	
372	0.65397	DEAD	-3.494E-05	0.0008	0.00255	
372	1.30794	DEAD	-3.494E-05	0.00123	-0.00117	
372	0.	VIVA CUB	-0.00023	0.00245	-0.00277	
372	0.65397	VIVA CUB	-0.00023	0.00052	0.0002	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m	
372	1.30794	VIVA CUB	-0.00023	0.00796	0.00316	
372	0.	VCOMP	-0.00018	0.00196	-0.00221	
372	0.65397	VCOMP	-0.00018	0.00418	0.00016	
372	1.30794	VCOMP	-0.00018	0.00636	0.00253	
372	0.	VSUCC	0.00018	-0.00196	0.00221	
372	0.65397	VSUCC	0.00018	-0.00416	-0.00016	
372	1.30794	VSUCC	0.00018	-0.00636	-0.00253	
372	0.	MUERTA CUB	-0.00032	0.00338	-0.00018	
372	0.65397	MUERTA CUB	-0.00032	0.00725	0.00011	
372	1.30794	MUERTA CUB	-0.00032	0.01112	0.00039	
373	0.	DEAD	-3.656E-05	0.00124	-0.00117	
373	0.65397	DEAD	-3.656E-05	0.00167	0.00336	
373	1.30794	DEAD	-3.656E-05	0.0021	-0.00128	
373	0.	VIVA CUB	-0.00024	0.00805	0.00316	
373	0.65397	VIVA CUB	-0.00024	0.01081	0.00234	
373	1.30794	VIVA CUB	-0.00024	0.01356	0.00152	
373	0.	VCOMP	-0.00019	0.00644	0.00253	
373	0.65397	VCOMP	-0.00019	0.00865	0.00187	
373	1.30794	VCOMP	-0.00019	0.01085	0.00121	
373	0.	VSUCC	0.00019	-0.00644	-0.00253	
373	0.65397	VSUCC	0.00019	-0.00865	-0.00187	
373	1.30794	VSUCC	0.00019	-0.01085	-0.00121	
373	0.	MUERTA CUB	-0.00033	0.01126	0.00039	
373	0.65397	MUERTA CUB	-0.00033	0.01513	0.00022	
373	1.30794	MUERTA CUB	-0.00033	0.019	4.544E-05	
374	0.	DEAD	-7.010E-05	0.00208	-0.00236	
374	0.65397	DEAD	-7.010E-05	0.00207	0.00293	
374	1.30794	DEAD	-7.010E-05	0.00208	-0.00093	
374	0.	VIVA CUB	-0.00047	0.01331	0.00184	
374	0.65397	VIVA CUB	-0.00047	0.01336	0.00197	
374	1.30794	VIVA CUB	-0.00047	0.01341	0.0021	
374	0.	VCOMP	-0.00038	0.01065	0.00147	
374	0.65397	VCOMP	-0.00038	0.01069	0.00158	
374	1.30794	VCOMP	-0.00038	0.01073	0.00168	
374	0.	VSUCC	0.00038	-0.01065	-0.00147	
374	0.65397	VSUCC	0.00038	-0.01069	-0.00158	
374	1.30794	VSUCC	0.00038	-0.01073	-0.00168	
374	0.	MUERTA CUB	-0.00065	0.01866	4.501E-07	
374	0.65397	MUERTA CUB	-0.00065	0.0188	4.475E-05	
374	1.30794	MUERTA CUB	-0.00065	0.01895	8.906E-05	
375	0.	DEAD	-6.784E-05	0.00191	-0.0016	
375	0.65397	DEAD	-6.784E-05	0.00106	0.00226	
375	1.30794	DEAD	-6.784E-05	0.00022	-0.00305	
375	0.	VIVA CUB	-0.00048	0.01236	0.00337	
375	0.65397	VIVA CUB	-0.00048	0.00681	0.00027	
375	1.30794	VIVA CUB	-0.00048	0.00126	-0.00283	
375	0.	VCOMP	-0.00038	0.00988	0.0027	
375	0.65397	VCOMP	-0.00038	0.00545	0.00022	
375	1.30794	VCOMP	-0.00038	0.00101	-0.00226	
375	0.	VSUCC	0.00038	-0.00988	-0.0027	
375	0.65397	VSUCC	0.00038	-0.00545	-0.00022	
375	1.30794	VSUCC	0.00038	-0.00101	0.00226	
375	0.	MUERTA CUB	-0.00063	0.01742	0.00016	
375	0.65397	MUERTA CUB	-0.00063	0.00972	3.610E-05	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m	
375	1.30794	MUERTA CUB	-0.00063	0.00201	-8.733E-05	
376	0.	DEAD	1.473E-05	0.	0.	
376	0.46629	DEAD	1.473E-05	0.	0.	
376	0.93258	DEAD	1.473E-05	0.	0.	
376	0.	VIVA CUB	9.835E-05	0.	0.	
376	0.46629	VIVA CUB	9.835E-05	0.	0.	
376	0.93258	VIVA CUB	9.835E-05	0.	0.	
376	0.	VCOMP	7.868E-05	0.	0.	
376	0.46629	VCOMP	7.868E-05	0.	0.	
376	0.93258	VCOMP	7.868E-05	0.	0.	
376	0.	VSUCC	-7.868E-05	0.	0.	
376	0.46629	VSUCC	-7.868E-05	0.	0.	
376	0.93258	VSUCC	-7.868E-05	0.	0.	
376	0.	MUERTA CUB	0.00013	0.	0.	
376	0.46629	MUERTA CUB	0.00013	0.	0.	
376	0.93258	MUERTA CUB	0.00013	0.	0.	
377	0.	DEAD	3.882E-05	0.	0.	
377	0.46618	DEAD	3.882E-05	0.	0.	
377	0.93225	DEAD	3.882E-05	0.	0.	
377	0.	VIVA CUB	0.00026	0.	0.	
377	0.46618	VIVA CUB	0.00026	0.	0.	
377	0.93225	VIVA CUB	0.00026	0.	0.	
377	0.	VCOMP	0.00021	0.	0.	
377	0.46618	VCOMP	0.00021	0.	0.	
377	0.93225	VCOMP	0.00021	0.	0.	
377	0.	VSUCC	-0.00021	0.	0.	
377	0.46618	VSUCC	-0.00021	0.	0.	
377	0.93225	VSUCC	-0.00021	0.	0.	
377	0.	MUERTA CUB	0.00036	0.	0.	
377	0.46618	MUERTA CUB	0.00036	0.	0.	
377	0.93225	MUERTA CUB	0.00036	0.	0.	
378	0.	DEAD	5.790E-05	0.	0.	
378	0.46606	DEAD	5.790E-05	0.	0.	
378	0.93213	DEAD	5.790E-05	0.	0.	
378	0.	VIVA CUB	0.00038	0.	0.	
378	0.46606	VIVA CUB	0.00038	0.	0.	
378	0.93213	VIVA CUB	0.00038	0.	0.	
378	0.	VCOMP	0.00031	0.	0.	
378	0.46606	VCOMP	0.00031	0.	0.	
378	0.93213	VCOMP	0.00031	0.	0.	
378	0.	VSUCC	-0.00031	0.	0.	
378	0.46606	VSUCC	-0.00031	0.	0.	
378	0.93213	VSUCC	-0.00031	0.	0.	
378	0.	MUERTA CUB	0.00053	0.	0.	
378	0.46606	MUERTA CUB	0.00053	0.	0.	
378	0.93213	MUERTA CUB	0.00053	0.	0.	
383	0.	DEAD	-2.711E-20	-1.626E-19	0.	
383	0.23895	DEAD	-2.711E-20	1.872E-20	-0.00061	
383	0.47789	DEAD	-2.711E-20	2.001E-19	-0.00245	
383	0.	VIVA CUB	0.	-2.168E-18	0.	
383	0.23895	VIVA CUB	0.	-9.587E-20	8.290E-19	
383	0.47789	VIVA CUB	0.	1.977E-18	1.656E-18	
383	0.	VCOMP	-2.168E-19	6.505E-19	3.253E-19	
383	0.23895	VCOMP	-2.168E-19	9.614E-19	3.253E-19	

Table 24: Element Forces - Frames, Part 2 of 2						
Frame	Station	OutputCase	T	M2	M3	
	m		Tonf-m	Tonf-m	Tonf-m	
383	0.47789	VCOMP	-2.168E-19	1.272E-18	3.253E-19	
383	0.	VSUCC	2.168E-19	-6.505E-19	-3.253E-19	
383	0.23895	VSUCC	2.168E-19	-9.614E-19	-3.253E-19	
383	0.47789	VSUCC	2.168E-19	-1.272E-18	-3.253E-19	
383	0.	MUERTA CUB	-2.168E-19	2.819E-18	6.776E-20	
383	0.23895	MUERTA CUB	-2.168E-19	1.990E-18	6.776E-20	
383	0.47789	MUERTA CUB	-2.168E-19	1.616E-18	6.776E-20	
384	0.	DEAD	0.	0.	-8.674E-19	
384	0.46595	DEAD	0.	-0.0006	1.318E-06	
384	0.9319	DEAD	0.	-0.00119	2.636E-06	
384	0.	VIVA CUB	0.	-3.337E-19	0.	
384	0.46595	VIVA CUB	0.	-0.00175	1.226E-05	
384	0.9319	VIVA CUB	0.	-0.0035	2.452E-05	
384	0.	VCOMP	0.	0.	3.469E-18	
384	0.46595	VCOMP	0.	-0.0014	9.807E-06	
384	0.9319	VCOMP	0.	-0.0028	1.961E-05	
384	0.	VSUCC	0.	0.	-3.469E-18	
384	0.46595	VSUCC	0.	0.0014	-9.807E-06	
384	0.9319	VSUCC	0.	0.0028	-1.961E-05	
384	0.	MUERTA CUB	0.	0.	6.939E-18	
384	0.46595	MUERTA CUB	0.	-0.00557	1.309E-05	
384	0.9319	MUERTA CUB	0.	-0.01113	2.618E-05	
386	0.	DEAD	-0.00029	-0.00506	0.00466	
386	0.46595	DEAD	-0.00029	0.00535	0.00027	
386	0.9319	DEAD	-0.00029	0.01126	-0.00412	
386	0.	VIVA CUB	-0.000196	-0.00465	0.00771	
386	0.46595	VIVA CUB	-0.000196	0.00471	0.00071	
386	0.9319	VIVA CUB	-0.000196	0.08545	-0.0063	
386	0.	VCOMP	-0.000157	-0.00372	0.00617	
386	0.46595	VCOMP	-0.000157	0.03232	0.00056	
386	0.9319	VCOMP	-0.000157	0.68636	-0.00504	
386	0.	VSUCC	0.000157	0.00372	-0.00617	
386	0.46595	VSUCC	0.000157	-0.03232	-0.00056	
386	0.9319	VSUCC	0.000157	-0.68636	0.00504	
386	0.	MUERTA CUB	-0.000262	-0.00479	0.00057	
386	0.46595	MUERTA CUB	-0.000262	0.04914	0.00058	
386	0.9319	MUERTA CUB	-0.000262	0.10307	-0.00553	
387	0.	DEAD	4.950E-06	0.00471	0.00448	
387	0.4664	DEAD	4.950E-06	0.00173	3.490E-05	
387	0.9328	DEAD	4.950E-06	-0.00125	-0.00481	
387	0.	VIVA CUB	6.509E-05	0.03194	0.01494	
387	0.4664	VIVA CUB	6.509E-05	0.0177	0.00287	
387	0.9328	VIVA CUB	6.509E-05	-0.008	-0.00919	
387	0.	VCOMP	5.208E-05	0.02555	0.01195	
387	0.4664	VCOMP	5.208E-05	0.00942	0.0023	
387	0.9328	VCOMP	5.208E-05	-0.00672	-0.00735	
387	0.	VSUCC	-5.208E-05	-0.02555	-0.01195	
387	0.4664	VSUCC	-5.208E-05	-0.00942	-0.0023	
387	0.9328	VSUCC	-5.208E-05	0.00672	0.00735	
387	0.	MUERTA CUB	0.04681	0.01689	0.01689	
387	0.4664	MUERTA CUB	0.853E-05	0.01621	0.00396	
387	0.9328	MUERTA CUB	8.853E-05	-0.0114	-0.00897	
388	0.	DEAD	-0.00097	-0.00378	-0.00478	
388	0.65396	DEAD	-0.00097	-0.00283	0.00267	

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
388	1.30791	DEAD	-0.00097	-0.00188	0.00095
388	0	VIVA CUB	-0.00668	-0.02606	0.00173
388	0.65396	VIVA CUB	-0.00668	-0.01882	0.00475
388	1.30791	VIVA CUB	-0.00668	-0.01159	0.00776
388	0	VCOMP	-0.00534	-0.02084	0.00139
388	0.65396	VCOMP	-0.00534	-0.01506	0.0038
388	1.30791	VCOMP	-0.00534	-0.00927	0.00621
388	0	VSUCC	0.00534	0.02084	-0.00139
388	0.65396	VSUCC	0.00534	0.01506	-0.0038
388	1.30791	VSUCC	0.00534	0.00927	-0.00621
388	0	MUERTA CUB	-0.00907	-0.03766	0.00772
388	0.65396	MUERTA CUB	-0.00907	-0.02727	0.00631
388	1.30791	MUERTA CUB	-0.00907	-0.01689	0.0049
389	0	DEAD	-0.00048	0.00281	-0.00048
389	0.65396	DEAD	-0.00048	-0.00084	0.0037
389	1.30791	DEAD	-0.00048	-0.00449	-0.00128
389	0	VIVA CUB	-0.00318	0.01831	0.00532
389	0.65396	VIVA CUB	-0.00318	-0.00608	0.00617
389	1.30791	VIVA CUB	-0.00318	-0.03047	0.00701
389	0	VCOMP	-0.00255	0.01465	0.00426
389	0.65396	VCOMP	-0.00255	-0.00486	0.00493
389	1.30791	VCOMP	-0.00255	-0.02438	0.00561
389	0	VSUCC	0.00255	-0.01465	-0.00426
389	0.65396	VSUCC	0.00255	0.00486	-0.00493
389	1.30791	VSUCC	0.00255	0.02438	-0.00561
389	0	MUERTA CUB	-0.00453	0.02554	0.00363
389	0.65396	MUERTA CUB	-0.00453	-0.00798	0.005
389	1.30791	MUERTA CUB	-0.00453	-0.04151	0.00637
390	0	DEAD	0.00014	0.00481	0.00016
390	0.65396	DEAD	0.00014	-0.00041	0.00337
390	1.30791	DEAD	0.00014	-0.00562	-0.00258
390	0	VIVA CUB	0.00089	0.0323	0.00618
390	0.65396	VIVA CUB	0.00089	-0.00319	0.00546
390	1.30791	VIVA CUB	0.00089	-0.03868	0.00474
390	0	VCOMP	0.00071	0.02584	0.00495
390	0.65396	VCOMP	0.00071	-0.00255	0.00437
390	1.30791	VCOMP	0.00071	-0.03094	0.00379
390	0	VSUCC	-0.00071	-0.02584	-0.00495
390	0.65396	VSUCC	-0.00071	0.00255	-0.00437
390	1.30791	VSUCC	-0.00071	0.03094	-0.00379
390	0	MUERTA CUB	0.00125	0.04467	0.00556
390	0.65396	MUERTA CUB	0.00125	-0.00378	0.00487
390	1.30791	MUERTA CUB	0.00125	-0.05223	0.00417
391	0	DEAD	0.00099	0.00464	-0.00071
391	0.65396	DEAD	0.00099	0.00122	0.00215
391	1.30791	DEAD	0.00099	-0.0022	-0.00416
391	0	VIVA CUB	0.00585	0.03024	0.00505
391	0.65396	VIVA CUB	0.00585	0.00739	-0.00077
391	1.30791	VIVA CUB	0.00585	-0.01547	-0.00659
391	0	VCOMP	0.00468	0.02419	0.00404
391	0.65396	VCOMP	0.00468	0.00591	-0.00062
391	1.30791	VCOMP	0.00468	-0.01237	-0.00527
391	0	VSUCC	-0.00468	-0.02419	-0.00404
391	0.65396	VSUCC	-0.00468	-0.00591	0.00062

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
391	1.30791	VSUCC	-0.00468	0.01237	0.00527
391	0	MUERTA CUB	0.00908	0.04328	0.00463
391	0.65396	MUERTA CUB	0.00908	0.01096	-0.00065
391	1.30791	MUERTA CUB	0.00908	-0.02137	-0.00593
392	0	DEAD	0.0002	-0.00179	-0.00374
392	0.65397	DEAD	0.0002	-0.00362	0.00251
392	1.30794	DEAD	0.0002	-0.00545	-0.00041
392	0	VIVA CUB	0.00131	-0.01214	-0.00838
392	0.65397	VIVA CUB	0.00131	-0.02433	-2.440E-05
392	1.30794	VIVA CUB	0.00131	-0.03652	0.00633
392	0	VCOMP	0.00105	-0.00971	-0.00671
392	0.65397	VCOMP	0.00105	-0.01946	-1.952E-05
392	1.30794	VCOMP	0.00105	-0.02922	0.00667
392	0	VSUCC	-0.00105	0.00971	0.00671
392	0.65397	VSUCC	-0.00105	0.01946	1.952E-05
392	1.30794	VSUCC	-0.00105	0.02922	-0.00667
392	0	MUERTA CUB	0.00177	-0.01645	-0.00783
392	0.65397	MUERTA CUB	0.00177	-0.03336	-0.00825
392	1.30794	MUERTA CUB	0.00177	-0.05027	0.00733
393	0	DEAD	0.00021	-0.00554	-0.00041
393	0.65397	DEAD	0.00021	-0.00737	0.00393
393	1.30794	DEAD	0.00021	-0.0092	-0.00091
393	0	VIVA CUB	0.00138	-0.03711	0.00833
393	0.65397	VIVA CUB	0.00138	-0.0493	0.00621
393	1.30794	VIVA CUB	0.00138	-0.06149	0.00408
393	0	VCOMP	0.0011	-0.02969	0.00667
393	0.65397	VCOMP	0.0011	-0.03944	0.00497
393	1.30794	VCOMP	0.0011	-0.0492	0.00326
393	0	VSUCC	-0.0011	0.02969	-0.00667
393	0.65397	VSUCC	-0.0011	0.03944	-0.00497
393	1.30794	VSUCC	-0.0011	0.0492	-0.00326
393	0	MUERTA CUB	0.00186	-0.05106	0.00733
393	0.65397	MUERTA CUB	0.00186	-0.06797	0.0054
393	1.30794	MUERTA CUB	0.00186	-0.08499	0.00346
394	0	DEAD	0.00039	-0.0091	-0.00186
394	0.65397	DEAD	0.00039	-0.00906	0.00346
394	1.30794	DEAD	0.00039	-0.00903	-0.00038
394	0	VIVA CUB	0.00258	-0.0607	0.00537
394	0.65397	VIVA CUB	0.00258	-0.0602	0.00562
394	1.30794	VIVA CUB	0.00258	-0.05971	0.00587
394	0	VCOMP	0.00206	-0.04856	0.00429
394	0.65397	VCOMP	0.00206	-0.04816	0.00349
394	1.30794	VCOMP	0.00206	-0.04777	0.00469
394	0	VSUCC	-0.00206	0.04856	-0.00429
394	0.65397	VSUCC	-0.00206	0.04816	-0.00449
394	1.30794	VSUCC	-0.00206	0.04777	-0.00469
394	0	MUERTA CUB	0.00352	-0.08389	0.00474
394	0.65397	MUERTA CUB	0.00352	-0.08373	0.00494
394	1.30794	MUERTA CUB	0.00352	-0.08357	0.00514
395	0	DEAD	0.00045	-0.0084	-0.00073
395	0.65397	DEAD	0.00045	-0.00452	0.00232
395	1.30794	DEAD	0.00045	-0.00064	-0.00379
395	0	VIVA CUB	0.00307	-0.05554	0.0093
395	0.65397	VIVA CUB	0.00307	-0.02942	0.00071

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
395	1.30794	VIVA CUB	0.00307	-0.00329	-0.00788
395	0	VCOMP	0.00245	-0.04443	0.00744
395	0.65397	VCOMP	0.00245	-0.02353	0.00057
395	1.30794	VCOMP	0.00245	-0.00263	-0.0063
395	0	VSUCC	-0.00245	0.04443	-0.00744
395	0.65397	VSUCC	-0.00245	0.02353	-0.00057
395	1.30794	VSUCC	-0.00245	0.00263	0.0063
395	0	MUERTA CUB	0.00396	-0.07757	0.0081
395	0.65397	MUERTA CUB	0.00396	-0.04194	0.00062
395	1.30794	MUERTA CUB	0.00396	-0.0063	-0.00686
396	0	DEAD	-9.075E-05	0	0
396	0.46629	DEAD	-9.075E-05	0	0
396	0.93258	DEAD	-9.075E-05	0	0
396	0	VIVA CUB	-0.00059	0	0
396	0.46629	VIVA CUB	-0.00059	0	0
396	0.93258	VIVA CUB	-0.00059	0	0
396	0	VCOMP	-0.00047	0	0
396	0.46629	VCOMP	-0.00047	0	0
396	0.93258	VCOMP	-0.00047	0	0
396	0	VSUCC	0.00047	0	0
396	0.46629	VSUCC	0.00047	0	0
396	0.93258	VSUCC	0.00047	0	0
396	0	MUERTA CUB	-0.00079	0	0
396	0.46629	MUERTA CUB	-0.00079	0	0
396	0.93258	MUERTA CUB	-0.00079	0	0
397	0	DEAD	-0.0002	0	0
397	0.46618	DEAD	-0.0002	0	0
397	0.93235	DEAD	-0.0002	0	0
397	0	VIVA CUB	-0.00129	0	0
397	0.46618	VIVA CUB	-0.00129	0	0
397	0.93235	VIVA CUB	-0.00129	0	0
397	0	VCOMP	-0.00103	0	0
397	0.46618	VCOMP	-0.00103	0	0
397	0.93235	VCOMP	-0.00103	0	0
397	0	VSUCC	0.00103	0	0
397	0.46618	VSUCC	0.00103	0	0
397	0.93235	VSUCC	0.00103	0	0
397	0	MUERTA CUB	-0.00177	0	0
397	0.46618	MUERTA CUB	-0.00177	0	0
397	0.93235	MUERTA CUB	-0.00177	0	0
398	0	DEAD	-0.00028	0	0
398	0.46606	DEAD	-0.00028	0	0
398	0.93213	DEAD	-0.00028	0	0
398	0	VIVA CUB	-0.00188	0	0
398	0.46606	VIVA CUB	-0.00188	0	0
398	0.93213	VIVA CUB	-0.00188	0	0
398	0	VCOMP	-0.0015	0	0
398	0.46606	VCOMP	-0.0015	0	0
398	0.93213	VCOMP	-0.0015	0	0
398	0	VSUCC	0.0015	0	0
398	0.46606	VSUCC	0.0015	0	0
398	0.93213	VSUCC	0.0015	0	0
398	0	MUERTA CUB	-0.00259	0	0
398	0.46606	MUERTA CUB	-0.00259	0	0

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
398	0.93213	MUERTA CUB	-0.00259	0	0
403	0	DEAD	6.505E-19	-8.240E-18	1.735E-18
403	0.23895	DEAD	6.505E-19	-5.960E-18	-0.00061
403	0.47789	DEAD	6.505E-19	-3.690E-18	-0.00245
403	0	VIVA CUB	3.469E-18	-2.776E-17	-2.602E-18
403	0.23895	VIVA CUB	3.469E-18	-2.776E-17	-9.234E-18
403	0.47789	VIVA CUB	3.469E-18	-2.776E-17	-1.587E-17
403	0	VCOMP	4.337E-18	-1.388E-17	-2.168E-18
403	0.23895	VCOMP	4.337E-18	-1.554E-17	1.148E-18
403	0.47789	VCOMP	4.337E-18	-1.719E-17	4.464E-18
403	0	VSUCC	-4.337E-18	1.388E-17	2.168E-18
403	0.23895	VSUCC	-4.337E-18	1.554E-17	-1.148E-18
403	0.47789	VSUCC	-4.337E-18	1.719E-17	-4.464E-18
403	0	MUERTA CUB	8.674E-18	-6.592E-17	8.674E-19
403	0.23895	MUERTA CUB	8.674E-18	-4.271E-17	8.674E-19
403	0.47789	MUERTA CUB	8.674E-18	-1.949E-17	8.674E-19
404	0	DEAD	0	0	1.735E-18
404	0.46595	DEAD	0	0.004	-3.797E-06
404	0.9319	DEAD	0	0.00801	-7.594E-06
404	0	VIVA CUB	0	0	0
404	0.46595	VIVA CUB	0	0.01208	-3.532E-05
404	0.9319	VIVA CUB	0	0.02416	-7.064E-05
404	0	VCOMP	0	0	3.469E-18
404	0.46595	VCOMP	0	0.00987	-2.826E-05
404	0.9319	VCOMP	0	0.01933	-5.651E-05
404	0	VSUCC	0	0	-3.469E-18
404	0.46595	VSUCC	0	-0.00987	2.826E-05
404	0.9319	VSUCC	0	-0.01933	5.651E-05
404	0	MUERTA CUB	0	6.939E-18	0
404	0.46595	MUERTA CUB	0	0.03735	-3.771E-05
404	0.9319	MUERTA CUB	0	0.0747	-7.543E-05
422	0	DEAD	-6.749E-08	0.00281	0.00396
422	0.416	DEAD	-6.749E-08	0.00163	0.00118
422	0.832	DEAD	-6.749E-08	0.00045	-0.000251
422	1.248	DEAD	-6.749E-08	-0.00074	-0.00712
422	1.664	DEAD	-6.749E-08	-0.00192	-0.01265
422	2.08	DEAD	-6.749E-08	-0.0031	-0.01909
422	0	VIVA CUB	-4.104E-07	0.01707	0.02299
422	0.416	VIVA CUB	-4.104E-07	0.00956	0.01961
422	0.832	VIVA CUB	-4.104E-07	0.00204	0.00067
422	1.248	VIVA CUB	-4.104E-07	-0.00547	-0.03385
422	1.664	VIVA CUB	-4.104E-07	-0.0109	-0.08395
422	2.08	VIVA CUB	-4.104E-07	-0.0205	-0.14962
422	0	VCOMP	-3.283E-07	0.01366	0.01839
422	0.416	VCOMP	-3.283E-07	0.00764	0.01569
422	0.832	VCOMP	-3.283E-07	0.00163	0.00053
422	1.248	VCOMP	-3.283E-07	-0.00438	-0.02708
422	1.664	VCOMP	-3.283E-07	-0.01039	-0.06716
422	2.08	VCOMP	-3.283E-07	-0.0164	-0.1197
422	0	VSUCC	3.283E-07	0.01366	0.01839
422	0.416	VSUCC	3.283E-07	-0.00764	-0.01569
422	0.832	VSUCC	3.283E-07	-0.00163	-0.00053
422	1.248	VSUCC	3.283E-07	0.00438	0.02708
422	1.664	VSUCC	3.283E-07	0.01039	0.06716

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
422	2.08	VSUCC	3.283E-07	0.0164	0.1197
422	0.	MUERTA CUB	-6.275E-07	0.0261	0.03636
422	0.416	MUERTA CUB	-6.275E-07	0.01512	0.01059
422	0.832	MUERTA CUB	-6.275E-07	0.00414	-0.02327
422	1.248	MUERTA CUB	-6.275E-07	-0.00684	-0.06524
422	1.664	MUERTA CUB	-6.275E-07	-0.01782	-0.1153
422	2.08	MUERTA CUB	-6.275E-07	-0.0288	-0.17347
423	0.	DEAD	-5.786E-05	0.00119	-0.01287
423	0.4125	DEAD	-5.786E-05	0.00082	-0.00782
423	0.825	DEAD	-5.786E-05	0.00044	-0.00366
423	1.2375	DEAD	-5.786E-05	6.913E-05	-0.00041
423	1.65	DEAD	-5.786E-05	-0.0003	0.00194
423	0.	VIVA CUB	-0.00042	0.00835	-0.10358
423	0.4125	VIVA CUB	-0.00042	0.00582	-0.05482
423	0.825	VIVA CUB	-0.00042	0.00329	-0.02137
423	1.2375	VIVA CUB	-0.00042	0.00077	-0.00323
423	1.65	VIVA CUB	-0.00042	-0.00176	-0.00041
423	0.	VCOMP	-0.00034	0.00668	-0.08286
423	0.4125	VCOMP	-0.00034	0.00466	-0.04385
423	0.825	VCOMP	-0.00034	0.00264	-0.01709
423	1.2375	VCOMP	-0.00034	0.00061	-0.00259
423	1.65	VCOMP	-0.00034	-0.00141	-0.00033
423	0.	VSUCC	0.00034	-0.00668	0.08286
423	0.4125	VSUCC	0.00034	-0.00466	0.04385
423	0.825	VSUCC	0.00034	-0.00264	0.01709
423	1.2375	VSUCC	0.00034	-0.00061	0.00259
423	1.65	VSUCC	0.00034	0.00141	0.00033
423	0.	MUERTA CUB	-0.00053	0.01075	-0.11602
423	0.4125	MUERTA CUB	-0.00053	0.00738	-0.07064
423	0.825	MUERTA CUB	-0.00053	0.004	-0.03322
423	1.2375	MUERTA CUB	-0.00053	0.00063	-0.00377
423	1.65	MUERTA CUB	-0.00053	-0.00275	-0.01771
424	0.	DEAD	2.236E-05	-0.00025	0.00036
424	0.5	DEAD	2.236E-05	-0.00017	0.00167
424	1.	DEAD	2.236E-05	-8.544E-05	0.00165
424	1.5	DEAD	2.236E-05	-2.231E-06	0.00031
424	2.	DEAD	2.236E-05	8.097E-05	-0.00236
424	0.	VIVA CUB	0.00018	-0.00218	-0.01267
424	0.5	VIVA CUB	0.00018	-0.00144	0.01553
424	1.	VIVA CUB	0.00018	-0.00069	0.02123
424	1.5	VIVA CUB	0.00018	5.494E-05	0.00443
424	2.	VIVA CUB	0.00018	0.0008	-0.03487
424	0.	VCOMP	0.00014	-0.00174	-0.01013
424	0.5	VCOMP	0.00014	-0.00115	0.01243
424	1.	VCOMP	0.00014	-0.00055	0.01698
424	1.5	VCOMP	0.00014	4.395E-05	0.00354
424	2.	VCOMP	0.00014	0.00064	-0.0279
424	0.	VSUCC	-0.00014	0.00174	0.01013
424	0.5	VSUCC	-0.00014	0.00115	-0.01243
424	1.	VSUCC	-0.00014	0.00055	-0.01698
424	1.5	VSUCC	-0.00014	-4.395E-05	-0.00354
424	2.	VSUCC	-0.00014	-0.00064	0.0279
424	0.	MUERTA CUB	0.0002	-0.00227	0.00362
424	0.5	MUERTA CUB	0.0002	-0.00152	0.01501

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
424	0.	MUERTA CUB	0.0002	-0.00077	0.01471
424	1.5	MUERTA CUB	0.0002	-2.017E-05	0.00271
424	2.	MUERTA CUB	0.0002	0.00073	-0.03099
425	0.	DEAD	-4.102E-06	4.627E-05	-0.00223
425	0.5	DEAD	-4.102E-06	2.971E-05	-7.285E-05
425	1.	DEAD	-4.102E-06	1.314E-05	0.00076
425	1.5	DEAD	-4.102E-06	-3.427E-06	0.00026
425	2.	DEAD	-4.102E-06	-1.999E-05	-0.00156
425	0.	VIVA CUB	-3.191E-05	0.00022	-0.03373
425	0.5	VIVA CUB	-3.191E-05	0.00017	0.00137
425	1.	VIVA CUB	-3.191E-05	0.00011	0.01396
425	1.5	VIVA CUB	-3.191E-05	5.249E-05	0.00406
425	2.	VIVA CUB	-3.191E-05	-4.985E-06	-0.02834
425	0.	VCOMP	-2.553E-05	0.00018	-0.02698
425	0.5	VCOMP	-2.553E-05	0.00013	0.00109
425	1.	VCOMP	-2.553E-05	8.798E-05	0.01117
425	1.5	VCOMP	-2.553E-05	4.199E-05	0.00325
425	2.	VCOMP	-2.553E-05	-3.988E-06	-0.02267
425	0.	VSUCC	2.553E-05	-0.00018	0.02698
425	0.5	VSUCC	2.553E-05	-0.00013	-0.00109
425	1.	VSUCC	2.553E-05	-8.798E-05	-0.01117
425	1.5	VSUCC	2.553E-05	-4.199E-05	-0.00325
425	2.	VSUCC	2.553E-05	3.988E-06	0.02267
425	0.	MUERTA CUB	-3.730E-05	0.00042	-0.01973
425	0.5	MUERTA CUB	-3.730E-05	0.00027	-0.00067
425	1.	MUERTA CUB	-3.730E-05	0.00012	0.00686
425	1.5	MUERTA CUB	-3.730E-05	-3.238E-05	0.00233
425	2.	MUERTA CUB	-3.730E-05	-0.00018	-0.01372
426	0.	DEAD	3.725E-06	-2.228E-05	-0.00159
426	0.5	DEAD	3.725E-06	-5.835E-06	0.00026
426	1.	DEAD	3.725E-06	1.061E-05	0.00078
426	1.5	DEAD	3.725E-06	2.706E-05	-2.247E-05
426	2.	DEAD	3.725E-06	4.351E-05	-0.00215
426	0.	VIVA CUB	2.598E-05	-0.00031	-0.02879
426	0.5	VIVA CUB	2.598E-05	-0.00012	0.00403
426	1.	VIVA CUB	2.598E-05	6.714E-05	0.01435
426	1.5	VIVA CUB	2.598E-05	0.00026	0.00217
426	2.	VIVA CUB	2.598E-05	0.00044	-0.03251
426	0.	VCOMP	2.079E-05	-0.00025	-0.02303
426	0.5	VCOMP	2.079E-05	-9.731E-05	0.00322
426	1.	VCOMP	2.079E-05	5.371E-05	0.01148
426	1.5	VCOMP	2.079E-05	0.0002	0.00174
426	2.	VCOMP	2.079E-05	0.00036	-0.02601
426	0.	VSUCC	-2.079E-05	0.00025	0.02303
426	0.5	VSUCC	-2.079E-05	9.731E-05	-0.00322
426	1.	VSUCC	-2.079E-05	-5.371E-05	-0.01148
426	1.5	VSUCC	-2.079E-05	-0.0002	-0.00174
426	2.	VSUCC	-2.079E-05	-0.00036	0.02601
426	0.	MUERTA CUB	3.395E-05	-0.0002	-0.014
426	0.5	MUERTA CUB	3.395E-05	-5.063E-05	0.00229
426	1.	MUERTA CUB	3.395E-05	9.567E-05	0.00688
426	1.5	MUERTA CUB	3.395E-05	0.00024	-0.00024
426	2.	MUERTA CUB	3.395E-05	0.00039	-0.01905
427	0.	DEAD	-1.649E-05	6.693E-05	-0.0023

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
427	0.5	DEAD	-1.649E-05	-2.824E-06	0.00028
427	1.	DEAD	-1.649E-05	-7.258E-05	0.00153
427	1.5	DEAD	-1.649E-05	-0.00014	0.00146
427	2.	DEAD	-1.649E-05	-0.00021	5.899E-05
427	0.	VIVA CUB	-0.00011	0.00031	-0.03377
427	0.5	VIVA CUB	-0.00011	-9.034E-05	0.00406
427	1.	VIVA CUB	-0.00011	-0.00049	0.01938
427	1.5	VIVA CUB	-0.00011	-0.00089	0.0122
427	2.	VIVA CUB	-0.00011	-0.00129	-0.01747
427	0.	VCOMP	-8.907E-05	0.00025	-0.02701
427	0.5	VCOMP	-8.907E-05	-7.227E-05	0.00325
427	1.	VCOMP	-8.907E-05	-0.00039	0.0155
427	1.5	VCOMP	-8.907E-05	-0.00071	0.00976
427	2.	VCOMP	-8.907E-05	-0.00103	-0.01398
427	0.	VSUCC	8.907E-05	-0.00025	0.02701
427	0.5	VSUCC	8.907E-05	7.227E-05	-0.00325
427	1.	VSUCC	8.907E-05	0.00039	-0.0155
427	1.5	VSUCC	8.907E-05	0.00071	-0.00976
427	2.	VSUCC	8.907E-05	0.00103	0.01398
427	0.	MUERTA CUB	-0.00015	0.00061	-0.02044
427	0.5	MUERTA CUB	-0.00015	-0.00066	0.01367
427	1.	MUERTA CUB	-0.00015	-0.00129	0.01317
427	1.5	MUERTA CUB	-0.00015	-0.00193	0.00097
428	0.	DEAD	3.964E-05	-0.0003	0.00137
428	0.4875	DEAD	3.964E-05	2.620E-05	2.819E-05
428	0.975	DEAD	3.964E-05	0.00036	-0.00258
428	1.4625	DEAD	3.964E-05	0.00068	-0.00644
428	1.95	DEAD	3.964E-05	0.00101	-0.01156
428	0.	VIVA CUB	0.00027	-0.00211	-0.009
428	0.4875	VIVA CUB	0.00027	0.00012	0.00201
428	0.975	VIVA CUB	0.00027	0.00236	-0.00837
428	1.4625	VIVA CUB	0.00027	0.0046	-0.04014
428	1.95	VIVA CUB	0.00027	0.00684	-0.0933
428	0.	VCOMP	0.00022	-0.00169	-0.0072
428	0.4875	VCOMP	0.00022	9.915E-05	0.0016
428	0.975	VCOMP	0.00022	0.00189	-0.0067
428	1.4625	VCOMP	0.00022	0.00368	-0.03211
428	1.95	VCOMP	0.00022	0.00547	-0.07464
428	0.	VSUCC	-0.00022	0.00169	0.0072
428	0.4875	VSUCC	-0.00022	-9.915E-05	-0.0016
428	0.975	VSUCC	-0.00022	-0.00189	0.0067
428	1.4625	VSUCC	-0.00022	-0.00368	0.03211
428	1.95	VSUCC	-0.00022	-0.00547	0.07464
428	0.	MUERTA CUB	0.00036	-0.00273	0.0127
428	0.4875	MUERTA CUB	0.00036	0.00024	0.00016
428	0.975	MUERTA CUB	0.00036	0.00322	-0.02351
428	1.4625	MUERTA CUB	0.00036	0.00619	-0.05829
428	1.95	MUERTA CUB	0.00036	0.00916	-0.1042
429	0.	DEAD	6.524E-08	-0.00292	-0.01761
429	0.4925	DEAD	6.524E-08	-0.00155	-0.01037
429	0.985	DEAD	6.524E-08	-0.00018	-0.00442
429	1.4775	DEAD	6.524E-08	0.0012	0.00025
429	1.97	DEAD	6.524E-08	0.00257	0.00364

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
429	0.	VIVA CUB	3.796E-07	-0.01836	-0.13469
429	0.4925	VIVA CUB	3.796E-07	-0.01003	-0.06323
429	0.985	VIVA CUB	3.796E-07	-0.0017	-0.0136
429	1.4775	VIVA CUB	3.796E-07	0.00063	0.0142
429	1.97	VIVA CUB	3.796E-07	0.01496	0.02017
429	0.	VCOMP	3.037E-07	-0.01469	-0.10775
429	0.4925	VCOMP	3.037E-07	-0.00802	-0.05058
429	0.985	VCOMP	3.037E-07	-0.00136	-0.01088
429	1.4775	VCOMP	3.037E-07	0.0053	0.01136

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
431	1.65	DEAD	6.769E-06	-0.00045	0.00269
431	0.	VIVA CUB	4.988E-05	0.01103	-0.12768
431	0.4125	VIVA CUB	4.988E-05	0.00758	-0.07157
431	0.825	VIVA CUB	4.988E-05	0.00413	-0.03077
431	1.2375	VIVA CUB	4.988E-05	0.00068	-0.00529
431	1.65	VIVA CUB	4.988E-05	-0.00277	0.00488
431	0.	VCOMP	3.990E-05	0.00883	-0.10215
431	0.4125	VCOMP	3.990E-05	0.00607	-0.05726
431	0.825	VCOMP	3.990E-05	0.0033	-0.02462
431	1.2375	VCOMP	3.990E-05	0.00054	-0.00423
431	1.65	VCOMP	3.990E-05	-0.00222	0.0039
431	0.	VSUCC	-3.990E-05	-0.00883	0.10215
431	0.4125	VSUCC	-3.990E-05	-0.00607	0.05726
431	0.825	VSUCC	-3.990E-05	-0.0033	0.02462
431	1.2375	VSUCC	-3.990E-05	-0.00054	0.00423
431	1.65	VSUCC	-3.990E-05	0.00222	-0.0039
431	0.	MUERTA CUB	6.009E-05	0.01439	-0.14849
431	0.4125	MUERTA CUB	6.009E-05	0.00977	-0.09216
431	0.825	MUERTA CUB	6.009E-05	0.00515	-0.04579
431	1.2375	MUERTA CUB	6.009E-05	0.00053	-0.00639
431	1.65	MUERTA CUB	6.009E-05	-0.00409	0.02505
432	0.	DEAD	-2.523E-06	-0.00036	0.00114
432	0.5	DEAD	-2.523E-06	-0.00024	0.00219
432	1.	DEAD	-2.523E-06	-0.00011	0.00192
432	1.5	DEAD	-2.523E-06	1.623E-06	0.00032
432	2.	DEAD	-2.523E-06	0.00014	-0.00026
432	0.	VIVA CUB	-2.053E-05	0.00295	-0.00725
432	0.5	VIVA CUB	-2.053E-05	-0.00191	0.0192
432	1.	VIVA CUB	-2.053E-05	-0.00086	0.02314
432	1.5	VIVA CUB	-2.053E-05	0.00019	0.00459
432	2.	VIVA CUB	-2.053E-05	0.00124	-0.03646
432	0.	VCOMP	-1.642E-05	-0.00236	-0.0058
432	0.5	VCOMP	-1.642E-05	-0.00152	0.01536
432	1.	VCOMP	-1.642E-05	-0.00069	0.01852
432	1.5	VCOMP	-1.642E-05	0.00015	0.03967
432	2.	VCOMP	-1.642E-05	0.00099	-0.02917
432	0.	VSUCC	1.642E-05	0.00236	0.0058
432	0.5	VSUCC	1.642E-05	0.00152	-0.01536
432	1.	VSUCC	1.642E-05	0.00069	-0.01852
432	1.5	VSUCC	1.642E-05	-0.00015	-0.03967
432	2.	VSUCC	1.642E-05	-0.00099	0.02917
432	0.	MUERTA CUB	-2.240E-05	-0.00329	0.01088
432	0.5	MUERTA CUB	-2.240E-05	-0.00215	0.0199
432	1.	MUERTA CUB	-2.240E-05	-0.001	0.01723
432	1.5	MUERTA CUB	-2.240E-05	0.00015	0.00285
432	2.	MUERTA CUB	-2.240E-05	0.0013	-0.02322
433	0.	DEAD	4.413E-07	5.267E-05	-0.00236
433	0.5	DEAD	4.413E-07	3.380E-05	-0.00016
433	1.	DEAD	4.413E-07	1.494E-05	0.00072
433	1.5	DEAD	4.413E-07	-3.933E-06	0.00027
433	2.	DEAD	4.413E-07	-2.280E-05	-0.0015
433	0.	VIVA CUB	3.569E-06	0.00028	-0.03476
433	0.5	VIVA CUB	3.569E-06	0.0002	0.0007
433	1.	VIVA CUB	3.569E-06	0.00012	0.01366

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
433	1.5	VIVA CUB	3.569E-06	4.649E-05	0.00412
433	2.	VIVA CUB	3.569E-06	-3.067E-05	-0.02792
433	0.	VCOMP	2.856E-06	0.00022	-0.02781
433	0.5	VCOMP	2.856E-06	0.00016	0.00056
433	1.	VCOMP	2.856E-06	9.892E-05	0.01093
433	1.5	VCOMP	2.856E-06	3.719E-05	0.0033
433	2.	VCOMP	2.856E-06	-2.454E-05	-0.02234
433	0.	VSUCC	-2.856E-06	-0.00022	0.02781
433	0.5	VSUCC	-2.856E-06	-0.00016	-0.00056
433	1.	VSUCC	-2.856E-06	-9.892E-05	-0.01093
433	1.5	VSUCC	-2.856E-06	-3.719E-05	-0.0033
433	2.	VSUCC	-2.856E-06	2.454E-05	0.02234
433	0.	MUERTA CUB	3.915E-06	0.00048	-0.02104
433	0.5	MUERTA CUB	3.915E-06	0.00031	-0.00152
433	1.	MUERTA CUB	3.915E-06	0.00014	0.0063
433	1.5	MUERTA CUB	3.915E-06	-3.769E-05	0.00241
433	2.	MUERTA CUB	3.915E-06	-0.00021	-0.01317
434	0.	DEAD	-3.964E-07	-3.301E-05	-0.00152
434	0.5	DEAD	-3.964E-07	-1.041E-05	0.00028
434	1.	DEAD	-3.964E-07	1.219E-05	0.00074
434	1.5	DEAD	-3.964E-07	3.478E-05	-0.00011
434	2.	DEAD	-3.964E-07	5.738E-05	-0.0023
434	0.	VIVA CUB	-2.777E-06	-0.00038	-0.02829
434	0.5	VIVA CUB	-2.777E-06	-0.00015	0.00416
434	1.	VIVA CUB	-2.777E-06	7.694E-05	0.01411
434	1.5	VIVA CUB	-2.777E-06	0.00031	0.00155
434	2.	VIVA CUB	-2.777E-06	0.00054	-0.0335
434	0.	VCOMP	-2.221E-06	-0.00031	-0.02263
434	0.5	VCOMP	-2.221E-06	-0.00012	0.00333
434	1.	VCOMP	-2.221E-06	6.155E-05	0.01129
434	1.5	VCOMP	-2.221E-06	0.00025	0.00124
434	2.	VCOMP	-2.221E-06	0.00043	-0.0268
434	0.	VSUCC	2.221E-06	0.00031	0.02263
434	0.5	VSUCC	2.221E-06	0.00012	-0.00333
434	1.	VSUCC	2.221E-06	6.155E-05	-0.01129
434	1.5	VSUCC	2.221E-06	-0.00025	-0.00124
434	2.	VSUCC	2.221E-06	-0.00043	0.0268
434	0.	MUERTA CUB	-3.522E-06	-0.0003	-0.01331
434	0.5	MUERTA CUB	-3.522E-06	-9.243E-05	0.00246
434	1.	MUERTA CUB	-3.522E-06	0.00011	0.00653
434	1.5	MUERTA CUB	-3.522E-06	0.00031	-0.00111
434	2.	MUERTA CUB	-3.522E-06	0.00052	-0.02044
435	0.	DEAD	1.810E-06	0.00011	-0.00253
435	0.5	DEAD	1.810E-06	9.006E-06	0.00029
435	1.	DEAD	1.810E-06	-9.581E-05	0.00179
435	1.5	DEAD	1.810E-06	-0.0002	0.00195
435	2.	DEAD	1.810E-06	-0.00031	0.0008
435	0.	VIVA CUB	1.222E-05	0.00063	-0.03525
435	0.5	VIVA CUB	1.222E-05	-8.990E-06	0.00416
435	1.	VIVA CUB	1.222E-05	-0.00064	0.02108
435	1.5	VIVA CUB	1.222E-05	-0.00128	0.01549
435	2.	VIVA CUB	1.222E-05	-0.00192	-0.0126
435	0.	VCOMP	9.778E-06	0.0005	-0.0282
435	0.5	VCOMP	9.778E-06	-7.192E-06	0.00333

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station	OutputCase	T	M2	M3
	m		Tonf-m	Tonf-m	Tonf-m
435	1.	VCOMP	9.778E-06	-0.00052	0.01686
435	1.5	VCOMP	9.778E-06	-0.00102	0.01239
435	2.	VCOMP	9.778E-06	-0.00153	-0.01008
435	0.	VSUCC	-9.778E-06	-0.0005	0.0282
435	0.5	VSUCC	-9.778E-06	7.192E-06	-0.00333
435	1.	VSUCC	-9.778E-06	0.00052	-0.01686
435	1.5	VSUCC	-9.778E-06	0.00102	-0.01239
435	2.	VSUCC	-9.778E-06	0.00153	0.01008
435	0.	MUERTA CUB	1.609E-05	0.00105	-0.02256
435	0.5	MUERTA CUB	1.609E-05	8.724E-05	0.0026
435	1.	MUERTA CUB	1.609E-05	-0.00088	0.01606
435	1.5	MUERTA CUB	1.609E-05	-0.00194	0.01792
435	2.	MUERTA CUB	1.609E-05	-0.00281	0.00788
436	0.	DEAD	-4.636E-06	-0.00042	0.00216
436	0.4875	DEAD	-4.636E-06	1.891E-05	-0.00014
436	0.975	DEAD	-4.636E-06	0.00046	-0.00371
436	1.4625	DEAD	-4.636E-06	0.0009	-0.00853
436	1.95	DEAD	-4.636E-06	0.00134	-0.01461
436	0.	VIVA CUB	-3.200E-05	-0.00289	-0.00368
436	0.4875	VIVA CUB	-3.200E-05	7.690E-05	0.00089
436	0.975	VIVA CUB	-3.200E-05	0.00304	-0.01593
436	1.4625	VIVA CUB	-3.200E-05	0.00601	-0.05414
436	1.95	VIVA CUB	-3.200E-05	0.00897	-0.11373
436	0.	VCOMP	-2.560E-05	-0.00231	-0.00295
436	0.4875	VCOMP	-2.560E-05	6.152E-05	0.00071
436	0.975	VCOMP	-2.560E-05	0.00243	-0.01274
436	1.4625	VCOMP	-2.560E-05	0.0048	-0.04331
436	1.95	VCOMP	-2.560E-05	0.00719	-0.09098
436	0.	VSUCC	2.560E-05	0.00231	0.00295
436	0.4875	VSUCC	2.560E-05	-6.152E-05	-0.00071
436	0.975	VSUCC	2.560E-05	-0.00243	0.01274
436	1.4625	VSUCC	2.560E-05	-0.0048	0.04331
436	1.95	VSUCC	2.560E-05	-0.00719	0.09098
436	0.	MUERTA CUB	-4.117E-05	-0.00384	0.02039
436	0.4875	MUERTA CUB	-4.117E-05	0.00018	-0.00136
436	0.975	MUERTA CUB	-4.117E-05	0.0042	-0.03424
436	1.4625	MUERTA CUB	-4.117E-05	0.00821	-0.07824
436	1.95	MUERTA CUB	-4.117E-05	0.01223	-0.13336
437	0.	DEAD	2.202E-20	-0.0009	-0.02101
437	0.4925	DEAD	2.202E-20	-0.00076	-0.01308
437	0.985	DEAD	2.202E-20	-0.00062	-0.00644
437	1.4775	DEAD	2.202E-20	-0.00047	-0.00108
437	1.97	DEAD	2.202E-20	-0.00033	0.00299
437	0.	VIVA CUB	-2.711E-20	-0.0087	-0.15852
437	0.4925	VIVA CUB	-2.711E-20	-0.00554	-0.07999
437	0.985	VIVA CUB	-2.711E-20	-0.00438	-0.02528
437	1.4775	VIVA CUB	-2.711E-20	-0.00322	0.00759
437	1.97	VIVA CUB	-2.711E-20	-0.00206	0.01863
437	0.	VCOMP	0.	-0.00536	-0.12522
437	0.4925	VCOMP	0.	-0.00443	-0.06399
437	0.985	VCOMP	0.	-0.0035	-0.02023
437	1.4775	VCOMP	0.	-0.00258	0.00607
437	1.97	VCOMP	0.	-0.00165	0.01491
437	0.	VSUCC	0.	0.00536	0.12522

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T	M2	M3
			Tonf-m	Tonf-m	Tonf-m
437	0.4925	VSUCC	0.	0.00443	0.06399
437	0.985	VSUCC	0.	0.0035	0.02023
437	1.4775	VSUCC	0.	0.00258	-0.00607
437	1.97	VSUCC	0.	0.00165	-0.01491
437	0.	MUERTA CUB	1.016E-19	-0.009	-0.19244
437	0.4925	MUERTA CUB	1.016E-19	-0.00752	-0.12033
437	0.985	MUERTA CUB	1.016E-19	-0.00604	-0.05958
437	1.4775	MUERTA CUB	1.016E-19	-0.00456	-0.01018
437	1.97	MUERTA CUB	1.016E-19	-0.00308	0.02786
438	0.	DEAD	7.419E-09	-0.00851	0.00279
438	0.416	DEAD	7.419E-09	-0.0004	-0.00505
438	0.832	DEAD	7.419E-09	-0.0005	-0.00483
438	1.248	DEAD	7.419E-09	-0.00059	-0.01001
438	1.664	DEAD	7.419E-09	-0.00069	-0.01611
438	2.08	DEAD	7.419E-09	-0.00078	-0.02313
438	0.	VIVA CUB	5.046E-08	-0.0021	0.01899
438	0.416	VIVA CUB	5.046E-08	-0.00301	0.0111
438	0.832	VIVA CUB	5.046E-08	-0.00485	-0.01236
438	1.248	VIVA CUB	5.046E-08	-0.00484	-0.02514
438	1.664	VIVA CUB	5.046E-08	-0.00576	-0.10601
438	2.08	VIVA CUB	5.046E-08	-0.00667	-0.1762
438	0.	VCOMP	4.037E-08	-0.00168	0.01519
438	0.416	VCOMP	4.037E-08	-0.00241	0.00888
438	0.832	VCOMP	4.037E-08	-0.00314	-0.00989
438	1.248	VCOMP	4.037E-08	-0.00387	-0.04112
438	1.664	VCOMP	4.037E-08	-0.0046	-0.08481
438	2.08	VCOMP	4.037E-08	-0.00534	-0.14096
438	0.	VSUCC	-4.037E-08	0.00188	-0.01519
438	0.416	VSUCC	-4.037E-08	0.00241	-0.00888
438	0.832	VSUCC	-4.037E-08	0.00314	0.00989
438	1.248	VSUCC	-4.037E-08	0.00387	0.04112
438	1.664	VSUCC	-4.037E-08	0.0046	0.08481
438	2.08	VSUCC	-4.037E-08	0.00534	0.14096
438	0.	MUERTA CUB	6.865E-08	-0.00286	0.02584
438	0.416	MUERTA CUB	6.865E-08	-0.00395	0.00554
438	0.832	MUERTA CUB	6.865E-08	-0.00505	-0.04501
438	1.248	MUERTA CUB	6.865E-08	-0.00614	-0.09259
438	1.664	MUERTA CUB	6.865E-08	-0.00723	-0.14826
438	2.08	MUERTA CUB	6.865E-08	-0.00833	-0.21203
439	0.	DEAD	7.060E-05	0.0015	-0.01552
439	0.4125	DEAD	7.060E-05	0.0001	-0.0096
439	0.825	DEAD	7.060E-05	0.00059	-0.00459
439	1.2375	DEAD	7.060E-05	1.29E-05	-0.00048
439	1.65	DEAD	7.060E-05	-0.00048	0.00273
439	0.	VIVA CUB	0.00051	0.01053	-0.12253
439	0.4125	VIVA CUB	0.00051	0.00713	-0.06757
439	0.825	VIVA CUB	0.00051	0.00374	-0.02793
439	1.2375	VIVA CUB	0.00051	0.00034	-0.0036
439	1.65	VIVA CUB	0.00051	-0.00305	0.00541
439	0.	VCOMP	0.0004	0.00642	-0.09802
439	0.4125	VCOMP	0.00041	0.00571	-0.05406
439	0.825	VCOMP	0.00041	0.00299	-0.02234
439	1.2375	VCOMP	0.00041	0.00027	-0.00288
439	1.65	VCOMP	0.00041	-0.00244	0.00433

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
439	0.	VSUCC	-0.00041	-0.00842	0.09802
439	0.4125	VSUCC	-0.00041	-0.00571	0.05406
439	0.825	VSUCC	-0.00041	-0.00299	0.02324
439	1.2375	VSUCC	-0.00041	-0.00027	0.00288
439	1.65	VSUCC	-0.00041	0.00244	-0.00433
439	0.	MUERTA CUB	0.00065	0.01376	-0.1419
439	0.4125	MUERTA CUB	0.00065	0.00921	-0.0881
439	0.825	MUERTA CUB	0.00065	0.00466	-0.04227
439	1.2375	MUERTA CUB	0.00065	0.00011	-0.00439
439	1.65	MUERTA CUB	0.00065	-0.00443	0.02552
440	0.	DEAD	-2.450E-05	-0.00037	0.00093
440	0.5	DEAD	-2.450E-05	-0.00023	0.00204
440	1.	DEAD	-2.450E-05	-9.873E-05	0.00182
440	1.5	DEAD	-2.450E-05	3.681E-05	0.00028
440	2.	DEAD	-2.450E-05	0.00017	-0.00259
440	0.	VIVA CUB	-0.00019	-0.00303	-0.00877
440	0.5	VIVA CUB	-0.00019	-0.00019	0.01808
440	1.	VIVA CUB	-0.00019	-0.00078	0.02244
440	1.5	VIVA CUB	-0.00019	0.00034	0.00429
440	2.	VIVA CUB	-0.00019	0.00147	-0.03636
440	0.	VCOMP	-0.00015	-0.00242	-0.00701
440	0.5	VCOMP	-0.00015	-0.00152	0.01447
440	1.	VCOMP	-0.00015	-0.00062	0.01795
440	1.5	VCOMP	-0.00015	0.00027	0.00343
440	2.	VCOMP	-0.00015	0.00117	-0.02909
440	0.	VSUCC	0.00015	0.00242	0.00701
440	0.5	VSUCC	0.00015	0.00152	-0.01447
440	1.	VSUCC	0.00015	0.00062	-0.01795
440	1.5	VSUCC	0.00015	-0.00027	-0.00343
440	2.	VSUCC	0.00015	-0.00117	0.02909
440	0.	MUERTA CUB	-0.00022	-0.00338	0.00909
440	0.5	MUERTA CUB	-0.00022	-0.00214	0.01858
440	1.	MUERTA CUB	-0.00022	-0.0009	0.01638
440	1.5	MUERTA CUB	-0.00022	0.00034	0.00249
440	2.	MUERTA CUB	-0.00022	0.00157	-0.02312
441	0.	DEAD	4.392E-06	4.041E-05	-0.00231
441	0.5	DEAD	4.392E-06	2.597E-05	-0.00013
441	1.	DEAD	4.392E-06	1.153E-05	0.00073
441	1.5	DEAD	4.392E-06	-2.910E-06	0.00027
441	2.	DEAD	4.392E-06	-1.735E-05	-0.00152
441	0.	VIVA CUB	3.402E-05	0.0002	-0.03442
441	0.5	VIVA CUB	3.402E-05	0.00015	0.00094
441	1.	VIVA CUB	3.402E-05	9.548E-05	0.01379
441	1.5	VIVA CUB	3.402E-05	4.133E-05	0.00414
441	2.	VIVA CUB	3.402E-05	-1.281E-05	-0.028
441	0.	VCOMP	2.722E-05	0.00016	-0.02753
441	0.5	VCOMP	2.722E-05	0.00012	0.00075
441	1.	VCOMP	2.722E-05	7.638E-05	0.01103
441	1.5	VCOMP	2.722E-05	3.307E-05	0.00332
441	2.	VCOMP	2.722E-05	-1.025E-05	-0.0224
441	0.	VSUCC	-2.722E-05	-0.00016	0.02753
441	0.5	VSUCC	-2.722E-05	-0.00012	-0.00075
441	1.	VSUCC	-2.722E-05	-7.638E-05	-0.01103
441	1.5	VSUCC	-2.722E-05	-3.307E-05	-0.00332

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
441	2.	VSUCC	-2.722E-05	1.025E-05	0.0224
441	0.	MUERTA CUB	4.000E-05	0.00037	-0.02058
441	0.5	MUERTA CUB	4.000E-05	0.00034	-0.00122
441	1.	MUERTA CUB	4.000E-05	0.0001	0.00644
441	1.5	MUERTA CUB	4.000E-05	-2.869E-05	0.0024
441	2.	MUERTA CUB	4.000E-05	-0.00016	-0.01333
442	0.	DEAD	-4.054E-06	-3.465E-05	-0.00154
442	0.5	DEAD	-4.054E-06	-1.293E-05	0.00027
442	1.	DEAD	-4.054E-06	8.785E-06	0.00076
442	1.5	DEAD	-4.054E-06	3.050E-05	-7.563E-05
442	2.	DEAD	-4.054E-06	5.222E-05	-0.00224
442	0.	VIVA CUB	-2.820E-05	-0.00037	-0.02847
442	0.5	VIVA CUB	-2.820E-05	-0.00016	0.00412
442	1.	VIVA CUB	-2.820E-05	5.294E-05	0.01421
442	1.5	VIVA CUB	-2.820E-05	0.00026	0.0018
442	2.	VIVA CUB	-2.820E-05	0.00047	-0.0331
442	0.	VCOMP	-2.256E-05	-0.00029	-0.02278
442	0.5	VCOMP	-2.256E-05	-0.00013	0.00329
442	1.	VCOMP	-2.256E-05	4.235E-05	0.01137
442	1.5	VCOMP	-2.256E-05	0.00021	0.00144
442	2.	VCOMP	-2.256E-05	0.00038	-0.02648
442	0.	VSUCC	2.256E-05	0.00029	0.02278
442	0.5	VSUCC	2.256E-05	0.00013	-0.00329
442	1.	VSUCC	2.256E-05	-4.235E-05	-0.01137
442	1.5	VSUCC	2.256E-05	-0.00021	-0.00144
442	2.	VSUCC	2.256E-05	-0.00038	0.02648
442	0.	MUERTA CUB	-3.702E-05	-0.00031	-0.01351
442	0.5	MUERTA CUB	-3.702E-05	-0.00012	0.00244
442	1.	MUERTA CUB	-3.702E-05	8.029E-05	0.00668
442	1.5	MUERTA CUB	-3.702E-05	0.00028	-0.00077
442	2.	MUERTA CUB	-3.702E-05	0.00047	-0.01993
443	0.	DEAD	1.827E-05	0.00013	-0.0025
443	0.5	DEAD	1.827E-05	2.227E-05	0.00026
443	1.	DEAD	1.827E-05	-8.510E-05	0.00189
443	1.5	DEAD	1.827E-05	-0.00019	0.00179
443	2.	DEAD	1.827E-05	-0.0003	0.00057
443	0.	VIVA CUB	0.00012	0.00078	-0.03511
443	0.5	VIVA CUB	0.00012	9.928E-05	0.00393
443	1.	VIVA CUB	0.00012	-0.00058	0.02046
443	1.5	VIVA CUB	0.00012	-0.00126	0.0145
443	2.	VIVA CUB	0.00012	-0.00194	-0.01397
443	0.	VCOMP	9.840E-05	0.00062	-0.02809
443	0.5	VCOMP	9.840E-05	7.942E-05	0.00314
443	1.	VCOMP	9.840E-05	-0.00046	0.01637
443	1.5	VCOMP	9.840E-05	-0.00101	0.0116
443	2.	VCOMP	9.840E-05	-0.00155	-0.01118
443	0.	VSUCC	-9.840E-05	-0.00062	0.02809
443	0.5	VSUCC	-9.840E-05	-7.942E-05	-0.00314
443	1.	VSUCC	-9.840E-05	0.00046	-0.01637
443	1.5	VSUCC	-9.840E-05	0.00101	-0.0116
443	2.	VSUCC	-9.840E-05	0.00155	0.01118
443	0.	MUERTA CUB	0.00017	0.0012	-0.0223
443	0.5	MUERTA CUB	0.00017	0.00021	0.00229
443	1.	MUERTA CUB	0.00017	-0.00078	0.01519

Table 24: Element Forces - Frames, Part 2 of 2					
Frame	Station m	OutputCase	T Tonf-m	M2 Tonf-m	M3 Tonf-m
443	1.5	MUERTA CUB	0.00017	-0.00177	0.01639
443	2.	MUERTA CUB	0.00017	-0.00276	0.00588
444	0.	DEAD	-4.962E-05	-0.00043	0.00211
444	0.4875	DEAD	-4.962E-05	-1.091E-05	7.296E-06
444	0.975	DEAD	-4.962E-05	0.00041	-0.00336
444	1.4625	DEAD	-4.962E-05	0.00083	-0.00798
444	1.95	DEAD	-4.962E-05	0.00126	-0.01387
444	0.	VIVA CUB	-0.00034	-0.00294	-0.00391
444	0.4875	VIVA CUB	-0.00034	-9.679E-05	0.00187
444	0.975	VIVA CUB	-0.00034	0.00274	-0.01373
444	1.4625	VIVA CUB	-0.00034	0.00558	-0.05073
444	1.95	VIVA CUB	-0.00034	0.00842	-0.10911
444	0.	VCOMP	-0.00027	-0.00235	-0.00313
444	0.4875	VCOMP	-0.00027	-7.743E-05	0.0015
444	0.975	VCOMP	-0.00027	0.00219	-0.01099
444	1.4625	VCOMP	-0.00027	0.00447	-0.04058
444	1.95	VCOMP	-0.00027	0.00674	-0.08729
444	0.	VSUCC	0.00027	0.00235	0.00313
444	0.4875	VSUCC	0.00027	7.743E-05	-0.0015
444	0.975	VSUCC	0.00027	-0.00219	0.01099
444	1.4625	VSUCC	0.00027	-0.00447	0.04058
444	1.95	VSUCC	0.00027	-0.00674	0.08729
444	0.	MUERTA CUB	-0.00045	-0.00397	0.02004
444	0.4875	MUERTA CUB	-0.00045	-9.442E-05	1.003E-05
444	0.975	MUERTA CUB	-0.00045	0.00378	-0.03114
444	1.4625	MUERTA CUB	-0.00045	0.00765	-0.07341
444	1.95	MUERTA CUB	-0.00045	0.01152	-0.1268
445	0.	DEAD	-7.397E-09	-0.00076	-0.02135
445	0.4925	DEAD	-7.397E-09	-0.00064	-0.01342
445	0.985	DEAD	-7.397E-09	-0.00053	-0.00678
445	1.4775	DEAD	-7.397E-09	-0.00041	-0.00143
445	1.97	DEAD	-7.397E-09	-0.00029	0.00264
445	0.	VIVA CUB	-4.737E-08	-0.00608	-0.15822
445	0.4925	VIVA CUB	-4.737E-08	-0.00503	-0.0817
445	0.985	VIVA CUB	-4.737E-08	-0.00397	-0.02701
445	1.4775	VIVA CUB	-4.737E-08	-0.00292	0.00695
445	1.97	VIVA CUB	-4.737E-08	-0.00187	0.01689
445	0.	VCOMP	-3.790E-08	-0.00487	-0.12658
445	0.4925	VCOMP	-3.790E-08	-0.00402	-0.06536
445	0.985	VCOMP	-3.790E-08	-0.00318	-0.02161
445	1.4775	VCOMP	-3.790E-08	-0.00234	0.00468
445	1.97	VCOMP	-3.790E-08	-0.00149	0.01351
445	0.	VSUCC	3.790E-08	0.00487	0.12658
445	0.4925	VSUCC	3.790E-08	0.00402	0.06536
445	0.985	VSUCC	3.790E-08	0.00318	0.02161
445	1.4775	VSUCC	3.790E-08	0.00234	-0.00468
445	1.97	VSUCC	3.790E-08	0.00149	-0.01351
445	0.	MUERTA CUB	-6.854E-08	-0.00818	-0.19581
445	0.4925	MUERTA CUB	-6.854E-08	-0.00681	-0.12372
445	0.985	MUERTA CUB	-6.854E-08	-0.00544	-0.06299
445	1.4775	MUERTA CUB	-6.854E-08	-0.00407	-0.0136
445	1.97	MUERTA CUB	-6.854E-08	-0.0027	0.02443

10. Material take-off

This section provides a material take-off.

Table 25: Material List 2 - By Section Property

Table 25: Material List 2 - By Section Property				
Section	ObjectType	NumPieces	TotalLength m	TotalWeight Tonf
PTE70X70X2.5m	Frame	82	132.30629	0.701
W-90X140	Frame	63	76.37594	0.8238
W2-90X140	Frame	63	76.58905	1.6521

11. Design preferences

This section provides the design preferences for each type of design, which typically include material reduction factors, framing type, stress ratio limit, deflection limits, and other code specific items.

11.1. Steel design

Table 26: Preferences - Steel Design - AISC 360-16, Part 1 of 4

Table 26: Preferences - Steel Design - AISC 360-16, Part 1 of 4						
THDesign	FrameType	PatLLF	SRatioLimit	MaxIter	SDC	SeisCode
Envelopes	OMF	0.75	1.	1	D	Yes

Table 26: Preferences - Steel Design - AISC 360-16, Part 2 of 4

Table 26: Preferences - Steel Design - AISC 360-16, Part 4 of 4

Table 26: Preferences - Steel Design - AISC 360-16, Part 4 of 4							
HSSWelding	HSSReduce T	CheckDefl	DLRat	SDLAndLLRat	LLRat	TotalRat	NetRat
ERW	No	No	120.	120.	360.	240.	240.

11.2. Concrete design

Table 27: Preferences - Concrete Design - ACI 318-14, Part 1 of 2

Table 27: Preferences - Concrete Design - ACI 318-14, Part 1 of 2								
THDesign	NumCurves	NumPoints	MinEccen	PatLLF	UFLimit	SeisCat	Rho	Sds
Envelopes	24	11	Yes	0.75	0.95	D	1.	0.5

Table 27: Preferences - Concrete Design - ACI 318-14, Part 2 of 2

Table 27: Preferences - Concrete Design - ACI 318-14, Part 2 of 2					
PhiT	PhiCTied	PhiCSpiral	PhiV	PhiVSeismic	PhiVJoint
0.9	0.65	0.75	0.75	0.6	0.85

11.3. Aluminum design

Table 28: Preferences - Aluminum Design - AA 2015, Part 1 of 2

Table 28: Preferences - Aluminum Design - AA 2015, Part 1 of 2								
THDesign	SRatioLimit	Provision	LatFact	UseLatFact	Bridge	PhiTy	PhiTr	PhiC
Envelopes	1.	LRFD	1.333333	No	No	0.9	0.75	0.9

Table 28: Preferences - Aluminum Design - AA 2015, Part 2 of 2

Table 28: Preferences - Aluminum Design - AA 2015, Part 2 of 2			
PhiBo	PhiBr	PhiVo	PhiVr
0.9	0.75	0.9	0.75

11.4. Cold formed design

Table 29: Preferences - Cold Formed Design - AISI-16, Part 1 of 2

Table 29: Preferences - Cold Formed Design - AISI-16, Part 1 of 2								
THDesign	FrameType	SRatioLimit	SOMethod	Provision	LatFact	UseLatFact	PhiTy	PhiTr
Envelopes	Braced Frame	1.	General 2nd Order	LRFD	1.333333	No	0.9	0.75

Table 29: Preferences - Cold Formed Design - AISI-16, Part 2 of 2

Table 29: Preferences - Cold Formed Design - AISI-16, Part 2 of 2			
PhiC	PhiB	PhiBPipe	PhiV
0.85	0.9	0.95	0.95

12. Design overwrites

This section provides the design overwrites for each type of design, which are assigned to individual members of the structure.

12.1. Steel design

Table 30: Overwrites - Steel Design - AISC 360-16, Part 1 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 1 of 7						
Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XMLMajor
284	Program Determined	Program Determined	0.	0.	0.	0.
304	Program Determined	Program Determined	0.	0.	0.	0.
324	Program Determined	Program Determined	0.	0.	0.	0.
344	Program Determined	Program Determined	0.	0.	0.	0.
364	Program Determined	Program Determined	0.	0.	0.	0.
384	Program Determined	Program Determined	0.	0.	0.	0.
404	Program Determined	Program Determined	0.	0.	0.	0.
422	Program Determined	Program Determined	0.	0.	0.	0.
423	Program Determined	Program Determined	0.	0.	0.	0.
424	Program Determined	Program Determined	0.	0.	0.	0.
425	Program Determined	Program Determined	0.	0.	0.	0.
426	Program Determined	Program Determined	0.	0.	0.	0.
427	Program Determined	Program Determined	0.	0.	0.	0.
428	Program Determined	Program Determined	0.	0.	0.	0.
429	Program Determined	Program Determined	0.	0.	0.	0.
430	Program Determined	Program Determined	0.	0.	0.	0.
431	Program Determined	Program Determined	0.	0.	0.	0.
432	Program Determined	Program Determined	0.	0.	0.	0.
433	Program Determined	Program Determined	0.	0.	0.	0.
434	Program Determined	Program Determined	0.	0.	0.	0.
435	Program Determined	Program Determined	0.	0.	0.	0.
436	Program Determined	Program Determined	0.	0.	0.	0.
437	Program Determined	Program Determined	0.	0.	0.	0.
438	Program Determined	Program Determined	0.	0.	0.	0.
439	Program Determined	Program Determined	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 1 of 7

Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XMLMajor
440	Program Determined	Program Determined	0.	0.	0.	0.
441	Program Determined	Program Determined	0.	0.	0.	0.
442	Program Determined	Program Determined	0.	0.	0.	0.
443	Program Determined	Program Determined	0.	0.	0.	0.
444	Program Determined	Program Determined	0.	0.	0.	0.
445	Program Determined	Program Determined	0.	0.	0.	0.
2	Program Determined	Program Determined	0.	0.	0.	0.
3	Program Determined	Program Determined	0.	0.	0.	0.
6	Program Determined	Program Determined	0.	0.	0.	0.
7	Program Determined	Program Determined	0.	0.	0.	0.
8	Program Determined	Program Determined	0.	0.	0.	0.
9	Program Determined	Program Determined	0.	0.	0.	0.
10	Program Determined	Program Determined	0.	0.	0.	0.
11	Program Determined	Program Determined	0.	0.	0.	0.
16	Program Determined	Program Determined	0.	0.	0.	0.
17	Program Determined	Program Determined	0.	0.	0.	0.
21	Program Determined	Program Determined	0.	0.	0.	0.
22	Program Determined	Program Determined	0.	0.	0.	0.
23	Program Determined	Program Determined	0.	0.	0.	0.
24	Program Determined	Program Determined	0.	0.	0.	0.
25	Program Determined	Program Determined	0.	0.	0.	0.
26	Program Determined	Program Determined	0.	0.	0.	0.
32	Program Determined	Program Determined	0.	0.	0.	0.
34	Program Determined	Program Determined	0.	0.	0.	0.
35	Program Determined	Program Determined	0.	0.	0.	0.
36	Program Determined	Program Determined	0.	0.	0.	0.
37	Program Determined	Program Determined	0.	0.	0.	0.
38	Program Determined	Program Determined	0.	0.	0.	0.
39	Program Determined	Program Determined	0.	0.	0.	0.
40	Program Determined	Program Determined	0.	0.	0.	0.
41	Program Determined	Program Determined	0.	0.	0.	0.
43	Program Determined	Program Determined	0.	0.	0.	0.
44	Program Determined	Program Determined	0.	0.	0.	0.
45	Program Determined	Program Determined	0.	0.	0.	0.
46	Program Determined	Program Determined	0.	0.	0.	0.
47	Program Determined	Program Determined	0.	0.	0.	0.
48	Program Determined	Program Determined	0.	0.	0.	0.
49	Program Determined	Program Determined	0.	0.	0.	0.
50	Program Determined	Program Determined	0.	0.	0.	0.
85	Program Determined	Program Determined	0.	0.	0.	0.
87	Program Determined	Program Determined	0.	0.	0.	0.
90	Program Determined	Program Determined	0.	0.	0.	0.
91	Program Determined	Program Determined	0.	0.	0.	0.
92	Program Determined	Program Determined	0.	0.	0.	0.
93	Program Determined	Program Determined	0.	0.	0.	0.
94	Program Determined	Program Determined	0.	0.	0.	0.
95	Program Determined	Program Determined	0.	0.	0.	0.
96	Program Determined	Program Determined	0.	0.	0.	0.
97	Program Determined	Program Determined	0.	0.	0.	0.
98	Program Determined	Program Determined	0.	0.	0.	0.
99	Program Determined	Program Determined	0.	0.	0.	0.
100	Program Determined	Program Determined	0.	0.	0.	0.
101	Program Determined	Program Determined	0.	0.	0.	0.
102	Program Determined	Program Determined	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 1 of 7

Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XMLMajor
103	Program Determined	Program Determined	0.	0.	0.	0.
104	Program Determined	Program Determined	0.	0.	0.	0.
105	Program Determined	Program Determined	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 2 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 2 of 7							
Frame	XLMinor	XLTLB	K1Major	K1Minor	K2Major	K2Minor	KLTB
284	0.	0.	0.	0.	0.	0.	0.
304	0.	0.	0.	0.	0.	0.	0.
324	0.	0.	0.	0.	0.	0.	0.
344	0.	0.	0.	0.	0.	0.	0.
364	0.	0.	0.	0.	0.	0.	0.
384	0.	0.	0.	0.	0.	0.	0.
404	0.	0.	0.	0.	0.	0.	0.
422	0.	0.	0.	0.	0.	0.	0.
423	0.	0.	0.	0.	0.	0.	0.
424	0.	0.	0.	0.	0.	0.	0.
425	0.	0.	0.	0.	0.	0.	0.
426	0.	0.	0.	0.	0.	0.	0.
427	0.	0.	0.	0.	0.	0.	0.
428	0.	0.	0.	0.	0.	0.	0.
429	0.	0.	0.	0.	0.	0.	0.
430	0.	0.	0.	0.	0.	0.	0.
431	0.	0.	0.	0.	0.	0.	0.
432	0.	0.	0.	0.	0.	0.	0.
433	0.	0.	0.	0.	0.	0.	0.
434	0.	0.	0.	0.	0.	0.	0.
435	0.	0.	0.	0.	0.	0.	0.
436	0.	0.	0.	0.	0.	0.	0.
437	0.	0.	0.	0.	0.	0.	0.
438	0.	0.	0.	0.	0.	0.	0.
439	0.	0.	0.	0.	0.	0.	0.
440	0.	0.	0.	0.	0.	0.	0.
441	0.	0.	0.	0.	0.	0.	0.
442	0.	0.	0.	0.	0.	0.	0.
443	0.	0.	0.	0.	0.	0.	0.
444	0.	0.	0.	0.	0.	0.	0.
445	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 5 of 7							
Frame	Mn2	Vn2	Vn3	CheckDefl	DeflType	DLRat	SDLAndLLRat
	Tonf-m	Tonf	Tonf				at
98	0.	0.	0.	Program Determined	Program Determined	0.	0.
99	0.	0.	0.	Program Determined	Program Determined	0.	0.
100	0.	0.	0.	Program Determined	Program Determined	0.	0.
101	0.	0.	0.	Program Determined	Program Determined	0.	0.
102	0.	0.	0.	Program Determined	Program Determined	0.	0.
103	0.	0.	0.	Program Determined	Program Determined	0.	0.
104	0.	0.	0.	Program Determined	Program Determined	0.	0.
105	0.	0.	0.	Program Determined	Program Determined	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7							
Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
284	0.	0.	0.	0.	0.	0.	0.
304	0.	0.	0.	0.	0.	0.	0.
324	0.	0.	0.	0.	0.	0.	0.
344	0.	0.	0.	0.	0.	0.	0.
364	0.	0.	0.	0.	0.	0.	0.
384	0.	0.	0.	0.	0.	0.	0.
404	0.	0.	0.	0.	0.	0.	0.
422	0.	0.	0.	0.	0.	0.	0.
423	0.	0.	0.	0.	0.	0.	0.
424	0.	0.	0.	0.	0.	0.	0.
425	0.	0.	0.	0.	0.	0.	0.
426	0.	0.	0.	0.	0.	0.	0.
427	0.	0.	0.	0.	0.	0.	0.
428	0.	0.	0.	0.	0.	0.	0.
429	0.	0.	0.	0.	0.	0.	0.
430	0.	0.	0.	0.	0.	0.	0.
431	0.	0.	0.	0.	0.	0.	0.
432	0.	0.	0.	0.	0.	0.	0.
433	0.	0.	0.	0.	0.	0.	0.
434	0.	0.	0.	0.	0.	0.	0.
435	0.	0.	0.	0.	0.	0.	0.
436	0.	0.	0.	0.	0.	0.	0.
437	0.	0.	0.	0.	0.	0.	0.
438	0.	0.	0.	0.	0.	0.	0.
439	0.	0.	0.	0.	0.	0.	0.
440	0.	0.	0.	0.	0.	0.	0.
441	0.	0.	0.	0.	0.	0.	0.
442	0.	0.	0.	0.	0.	0.	0.
443	0.	0.	0.	0.	0.	0.	0.
444	0.	0.	0.	0.	0.	0.	0.
445	0.	0.	0.	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 6 of 7							
Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
2	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.
36	0.	0.	0.	0.	0.	0.	0.
37	0.	0.	0.	0.	0.	0.	0.
38	0.	0.	0.	0.	0.	0.	0.
39	0.	0.	0.	0.	0.	0.	0.
40	0.	0.	0.	0.	0.	0.	0.
41	0.	0.	0.	0.	0.	0.	0.
43	0.	0.	0.	0.	0.	0.	0.
44	0.	0.	0.	0.	0.	0.	0.
45	0.	0.	0.	0.	0.	0.	0.
46	0.	0.	0.	0.	0.	0.	0.
47	0.	0.	0.	0.	0.	0.	0.
48	0.	0.	0.	0.	0.	0.	0.
49	0.	0.	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.
85	0.	0.	0.	0.	0.	0.	0.
87	0.	0.	0.	0.	0.	0.	0.
90	0.	0.	0.	0.	0.	0.	0.
91	0.	0.	0.	0.	0.	0.	0.
92	0.	0.	0.	0.	0.	0.	0.
93	0.	0.	0.	0.	0.	0.	0.
94	0.	0.	0.	0.	0.	0.	0.
95	0.	0.	0.	0.	0.	0.	0.
96	0.	0.	0.	0.	0.	0.	0.
97	0.	0.	0.	0.	0.	0.	0.
98	0.	0.	0.	0.	0.	0.	0.
99	0.	0.	0.	0.	0.	0.	0.
100	0.	0.	0.	0.	0.	0.	0.
101	0.	0.	0.	0.	0.	0.	0.
102	0.	0.	0.	0.	0.	0.	0.
103	0.	0.	0.	0.	0.	0.	0.
104	0.	0.	0.	0.	0.	0.	0.
105	0.	0.	0.	0.	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7			
Frame	NetAbs	SpecCamber	DCLimit
	m	r	m
284	0.	0.	0.
304	0.	0.	0.
324	0.	0.	0.
344	0.	0.	0.
364	0.	0.	0.
384	0.	0.	0.
404	0.	0.	0.
422	0.	0.	0.
423	0.	0.	0.
424	0.	0.	0.
425	0.	0.	0.
426	0.	0.	0.
427	0.	0.	0.
428	0.	0.	0.
429	0.	0.	0.
430	0.	0.	0.
431	0.	0.	0.
432	0.	0.	0.
433	0.	0.	0.
434	0.	0.	0.
435	0.	0.	0.
436	0.	0.	0.
437	0.	0.	0.
438	0.	0.	0.
439	0.	0.	0.
440	0.	0.	0.
441	0.	0.	0.
442	0.	0.	0.
443	0.	0.	0.
444	0.	0.	0.
445	0.	0.	0.
2	0.	0.	0.
3	0.	0.	0.
6	0.	0.	0.
7	0.	0.	0.
8	0.	0.	0.
9	0.	0.	0.
10	0.	0.	0.
11	0.	0.	0.
16	0.	0.	0.
17	0.	0.	0.
21	0.	0.	0.
22	0.	0.	0.
23	0.	0.	0.
24	0.	0.	0.
25	0.	0.	0.
26	0.	0.	0.
32	0.	0.	0.
34	0.	0.	0.
35	0.	0.	0.
36	0.	0.	0.
37	0.	0.	0.

Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7

Table 30: Overwrites - Steel Design - AISC 360-16, Part 7 of 7			
Frame	NetAbs	SpecCamber	DCLimit
	m	r	m
38	0.	0.	0.
39	0.	0.	0.
40	0.	0.	0.
41	0.	0.	0.
43	0.	0.	0.
44	0.	0.	0.
45	0.	0.	0.
46	0.	0.	0.
47	0.	0.	0.
48	0.	0.	0.
49	0.	0.	0.
50	0.	0.	0.
85	0.	0.	0.
87	0.	0.	0.
90	0.	0.	0.
91	0.	0.	0.
92	0.	0.	0.
93	0.	0.	0.
94	0.	0.	0.
95	0.	0.	0.
96	0.	0.	0.
97	0.	0.	0.
98	0.	0.	0.
99	0.	0.	0.
100	0.	0.	0.
101	0.	0.	0.
102	0.	0.	0.
103	0.	0.	0.
104	0.	0.	0.
105	0.	0.	0.

13. Design summary

This section provides the design summary for each type of design, which highlights the controlling demand/capacity ratio and it's associated combination and location in each member.

13.1. Steel design

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2					
Frame	DesignSect	DesignType	Status	Ratio	RatioType
284	PTE70X70X2.5mm	Column	No Messages	0.217497	PMM
304	PTE70X70X2.5mm	Column	No Messages	0.041884	PMM
324	PTE70X70X2.5mm	Column	No Messages	0.006752	PMM
344	PTE70X70X2.5mm	Column	No Messages	0.003955	PMM
364	PTE70X70X2.5mm	Column	No Messages	0.007344	PMM
384	PTE70X70X2.5mm	Column	No Messages	0.030842	PMM

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2					
Frame	DesignSect	DesignType	Status	Ratio	RatioType
404	PTE70X70X2.5mm	Column	No Messages	0.203346	PMM
422	PTE70X70X2.5mm	Beam	No Messages	0.729598	PMM
423	PTE70X70X2.5mm	Beam	No Messages	0.487726	PMM
424	PTE70X70X2.5mm	Beam	No Messages	0.111232	PMM
425	PTE70X70X2.5mm	Beam	No Messages	0.104628	PMM
426	PTE70X70X2.5mm	Beam	No Messages	0.101308	PMM
427	PTE70X70X2.5mm	Beam	No Messages	0.106835	PMM
428	PTE70X70X2.5mm	Beam	No Messages	0.418452	PMM
429	PTE70X70X2.5mm	Beam	No Messages	0.687165	PMM
430	PTE70X70X2.5mm	Beam	No Messages	0.784146	PMM
431	PTE70X70X2.5mm	Beam	No Messages	0.592063	PMM
432	PTE70X70X2.5mm	Beam	No Messages	0.121121	PMM
433	PTE70X70X2.5mm	Beam	No Messages	0.110076	PMM
434	PTE70X70X2.5mm	Beam	No Messages	0.107067	PMM
435	PTE70X70X2.5mm	Beam	No Messages	0.115896	PMM
436	PTE70X70X2.5mm	Beam	No Messages	0.526921	PMM
437	PTE70X70X2.5mm	Beam	No Messages	0.714775	PMM
438	PTE70X70X2.5mm	Beam	No Messages	0.788616	PMM
439	PTE70X70X2.5mm	Beam	No Messages	0.569214	PMM
440	PTE70X70X2.5mm	Beam	No Messages	0.123631	PMM
441	PTE70X70X2.5mm	Beam	No Messages	0.110271	PMM
442	PTE70X70X2.5mm	Beam	No Messages	0.107198	PMM
443	PTE70X70X2.5mm	Beam	No Messages	0.117606	PMM
444	PTE70X70X2.5mm	Beam	No Messages	0.504804	PMM
445	PTE70X70X2.5mm	Beam	No Messages	0.721873	PMM
2	PTE70X70X2.5mm	Brace	No Messages	0.022328	PMM
3	PTE70X70X2.5mm	Brace	No Messages	0.022198	PMM
6	PTE70X70X2.5mm	Beam	No Messages	0.340831	PMM
7	PTE70X70X2.5mm	Beam	No Messages	0.111567	PMM
8	PTE70X70X2.5mm	Beam	No Messages	0.1018	PMM
9	PTE70X70X2.5mm	Beam	No Messages	0.098842	PMM
10	PTE70X70X2.5mm	Beam	No Messages	0.107351	PMM
11	PTE70X70X2.5mm	Beam	No Messages	0.305318	PMM
16	PTE70X70X2.5mm	Brace	No Messages	0.022329	PMM
17	PTE70X70X2.5mm	Brace	No Messages	0.022196	PMM
21	PTE70X70X2.5mm	Beam	No Messages	0.224782	PMM
22	PTE70X70X2.5mm	Beam	No Messages	0.084219	PMM
23	PTE70X70X2.5mm	Beam	No Messages	0.10071	PMM
24	PTE70X70X2.5mm	Beam	No Messages	0.094161	PMM
25	PTE70X70X2.5mm	Beam	No Messages	0.087061	PMM
26	PTE70X70X2.5mm	Beam	No Messages	0.209383	PMM
32	PTE70X70X2.5mm	Column	No Messages	0.422694	PMM
34	PTE70X70X2.5mm	Beam	See WarnMsg	0.429857	PMM
35	PTE70X70X2.5mm	Beam	See WarnMsg	0.185032	PMM
36	PTE70X70X2.5mm	Beam	See WarnMsg	0.076909	PMM
37	PTE70X70X2.5mm	Beam	See WarnMsg	0.061811	PMM
38	PTE70X70X2.5mm	Beam	See WarnMsg	0.056017	PMM
39	PTE70X70X2.5mm	Beam	See WarnMsg	0.072369	PMM
40	PTE70X70X2.5mm	Beam	See WarnMsg	0.184754	PMM
41	PTE70X70X2.5mm	Beam	See WarnMsg	0.391972	PMM
43	PTE70X70X2.5mm	Column	No Messages	0.141229	PMM
44	PTE70X70X2.5mm	Column	No Messages	0.02316	PMM
45	PTE70X70X2.5mm	Column	No Messages	0.009509	PMM
46	PTE70X70X2.5mm	Column	No Messages	0.011863	PMM

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 1 of 2					
Frame	DesignSect	DesignType	Status	Ratio	RatioType
47	PTE70X70X2.5mm	Column	No Messages	0.097373	PMM
48	PTE70X70X2.5mm	Column	No Messages	0.387296	PMM
49	PTE70X70X2.5mm	Brace	No Messages	0.095959	PMM
50	PTE70X70X2.5mm	Brace	No Messages	0.112052	PMM
85	PTE70X70X2.5mm	Beam	No Messages	0.476331	PMM
87	PTE70X70X2.5mm	Beam	No Messages	0.433543	PMM
90	PTE70X70X2.5mm	Beam	No Messages	0.042891	PMM
91	PTE70X70X2.5mm	Beam	No Messages	0.038628	PMM
92	PTE70X70X2.5mm	Beam	No Messages	0.040399	PMM
93	PTE70X70X2.5mm	Beam	No Messages	0.044008	PMM
94	PTE70X70X2.5mm	Beam	No Messages	0.174345	PMM
95	PTE70X70X2.5mm	Beam	No Messages	0.733357	PMM
96	PTE70X70X2.5mm	Beam	No Messages	0.382751	PMM
97	PTE70X70X2.5mm	Beam	No Messages	0.153156	PMM
98	PTE70X70X2.5mm	Beam	No Messages	0.669416	PMM
99	PTE70X70X2.5mm	Beam	No Messages	0.348076	PMM
100	PTE70X70X2.5mm	Brace	No Messages	0.022075	PMM
101	PTE70X70X2.5mm	Brace	No Messages	0.001064	Major Shear
102	PTE70X70X2.5mm	Brace	No Messages	0.022079	PMM
103	PTE70X70X2.5mm	Beam	No Messages	0.001064	Major Shear
104	PTE70X70X2.5mm	Column	No Messages	0.417151	PMM
105	PTE70X70X2.5mm	Column	No Messages	0.377572	PMM

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2					
Frame	Combo	Location m	ErrMsg	WarnMsg	
284	COMB2	0.9319	No Messages	No Messages	
304	COMB2	0.9319	No Messages	No Messages	
324	COMB2	0.9319	No Messages	No Messages	
344	COMB2	0.9319	No Messages	No Messages	
364	COMB2	0.9319	No Messages	No Messages	
384	COMB2	0.9319	No Messages	No Messages	
404	COMB2	0.9319	No Messages	No Messages	
422	COMB2	2.08	No Messages	No Messages	
423	COMB2	0.	No Messages	No Messages	
424	COMB2	2.	No Messages	No Messages	
425	COMB2	0.	No Messages	No Messages	
426	COMB2	2.	No Messages	No Messages	
427	COMB2	0.	No Messages	No Messages	
428	COMB2	1.95	No Messages	No Messages	
429	COMB2	0.	No Messages	No Messages	
430	COMB2	2.08	No Messages	No Messages	
431	COMB2	0.	No Messages	No Messages	
432	COMB2	2.	No Messages	No Messages	
433	COMB2	0.	No Messages	No Messages	
434	COMB2	2.	No Messages	No Messages	
435	COMB2	0.	No Messages	No Messages	
436	COMB2	1.95	No Messages	No Messages	
437	COMB2	0.	No Messages	No Messages	
438	COMB2	2.08	No Messages	No Messages	
439	COMB2	0.	No Messages	No Messages	

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2					
Frame	Combo	Location m	ErrMsg	WarnMsg	
440	COMB2	2.	No Messages	No Messages	
441	COMB2	0.	No Messages	No Messages	
442	COMB2	2.	No Messages	No Messages	
443	COMB2	0.	No Messages	No Messages	
444	COMB2	1.95	No Messages	No Messages	
445	COMB2	0.	No Messages	No Messages	
2	COMB2	0.65396	No Messages	No Messages	
3	COMB2	0.65395	No Messages	No Messages	
6	COMB2	0.	No Messages	No Messages	
7	COMB2	2.	No Messages	No Messages	
8	COMB2	0.	No Messages	No Messages	
9	COMB2	2.	No Messages	No Messages	
10	COMB2	0.	No Messages	No Messages	
11	COMB2	1.95	No Messages	No Messages	
16	COMB2	0.65396	No Messages	No Messages	
17	COMB2	0.65395	No Messages	No Messages	
21	COMB2	0.	No Messages	No Messages	
22	COMB2	2.	No Messages	No Messages	
23	COMB2	0.	No Messages	No Messages	
24	COMB2	2.	No Messages	No Messages	
25	COMB2	0.	No Messages	No Messages	
26	COMB2	1.95	No Messages	No Messages	
32	COMB2	0.	No Messages	No Messages	
34	COMB2	2.08	No Messages	Itr > 300 (AISC D1)	
35	COMB2	0.	No Messages	Itr > 300 (AISC D1)	
36	COMB2	0.	No Messages	Itr > 300 (AISC D1)	
37	COMB2	0.	No Messages	Itr > 300 (AISC D1)	
38	COMB2	2.	No Messages	Itr > 300 (AISC D1)	
39	COMB2	2.	No Messages	Itr > 300 (AISC D1)	
40	COMB2	1.95	No Messages	Itr > 300 (AISC D1)	
41	COMB2	0.	No Messages	Itr > 300 (AISC D1)	
43	COMB2	0.	No Messages	No Messages	
44	COMB2	0.5746	No Messages	No Messages	
45	COMB2	0.	No Messages	No Messages	
46	COMB2	0.5746	No Messages	No Messages	
47	COMB2	0.	No Messages	No Messages	
48	COMB2	0.	No Messages	No Messages	
49	COMB2	0.68478	No Messages	No Messages	
50	COMB2	0.68478	No Messages	No Messages	
85	COMB2	2.08	No Messages	No Messages	
87	COMB2	0.	No Messages	No Messages	
90	COMB2	2.	No Messages	No Messages	
91	COMB2	0.	No Messages	No Messages	
92	COMB2	2.	No Messages	No Messages	
93	COMB2	0.	No Messages	No Messages	
94	COMB2	1.65	No Messages	No Messages	
95	COMB2	2.08	No Messages	No Messages	
96	COMB2	2.08	No Messages	No Messages	
97	COMB2	1.95	No Messages	No Messages	
98	COMB2	0.	No Messages	No Messages	
99	COMB2	0.	No Messages	No Messages	
100	COMB2	0.65396	No Messages	No Messages	
101	COMB1	0.	No Messages	No Messages	
102	COMB2	0.65396	No Messages	No Messages	

Table 31: Steel Design 1 - Summary Data - AISC 360-16, Part 2 of 2					
Frame	Combo	Location m	ErrMsg	WarnMsg	
103	COMB1	0.	No Messages	No Messages	
104	COMB2	0.	No Messages	No Messages	
105	COMB2	0.	No Messages	No Messages	

ELEMENTOS NO ESTRUCTURALES

DISEÑO DE ELEMENTOS NO ESTRUCTURALES (NSR-10 A.9) - MAPIRIPAN - FACHADA

GRADO DE DESEMPEÑO MINIMO

Grupo de uso= IV

Grado de desempeño= Superior

MATERIALES

$f'_c = 17.5 \text{ MPa}$

$$\phi_{\text{flexión}} = 0.9$$
$$\rho_{\max} = 0.0133$$
 $f_y = 420 \text{ MPa}$
$$\phi_{\text{compresión}} = 0.75$$
$$\rho_{\min} = 0.0033$$

PARAMETROS DE DISEÑO

Altura total de la edificación (h_n)= 3.90 m

Altura equivalente del sistema (h_{eq})= 2.93 m

$$a_x = A_s + \frac{(S_a - A_s)h_x}{h_{eq}} \quad h_x \leq h_{eq}$$

Aceleración horizontal pico efectiva (A_a)= 0.20

$$a_x = S_a \frac{h_x}{h_{eq}} \quad h_x \geq h_{eq}$$

Máxima aceleración horizontal (S_a)= 0.900

Aceleración máxima en la superficie (A_s)= 0.900

Disipación de energía del elemento (R_p)=	Dúctiles	$R_p = 3.0$
---	----------	-------------

Peso del elemento (gMp)= 2.15 kN/m²

MUROS BIAPOYADOS

Coeficiente de amplificación dinámica (a_p)= 1.0

Nivel	h_{muro}	h_x	a_x	F_p KN/m	M_p KN·m/m	V_p KN/m
Piso 1	3.20 m	0.00 m	0.90	2.06 KN/m	1.65 KN·m/m	1.03 KN/m

Luz entre columnetas= 2.00 m

Dimensiones de la columneta $b = 0.12 \text{ m}$ $h = 0.20 \text{ m}$

Momento de diseño= 3.30 kN·m

Cortante de diseño= 2.06 KN

$$\rho = 0.0082 \quad A_s = 98.91 \text{ mm}^2$$

4 #3	$A_s = 284.00 \text{ mm}^2$	O.K
------	-----------------------------	------------

DISEÑO DE ELEMENTOS NO ESTRUCTURALES (NSR-10 A.9) - MAPIRIPAN - INTERNOS

GRADO DE DESEMPEÑO MINIMO

Grupo de uso= IV

Grado de desempeño= Superior

MATERIALES

$f'_c = 17.5 \text{ MPa}$

$$\phi_{\text{flexión}} = 0.9$$
$$\rho_{\max} = 0.0133$$
 $f_y = 420 \text{ MPa}$
$$\phi_{\text{compresión}} = 0.75$$
$$\rho_{\min} = 0.0033$$

PARAMETROS DE DISEÑO

Altura total de la edificación (h_n)= 3.90 m

Altura equivalente del sistema (h_{eq})= 2.93 m

$$a_x = A_s + \frac{(S_a - A_s)h_x}{h_{eq}} \quad h_x \leq h_{eq}$$

Aceleración horizontal pico efectiva (A_a)= 0.20

Máxima aceleración horizontal (S_a)= 0.900

$$a_x = S_a \frac{h_x}{h_{eq}} \quad h_x \geq h_{eq}$$

Aceleración máxima en la superficie (A_s)= 0.900

Disipación de energía del elemento (R_p)= Dúctiles $R_p = 3.0$

Peso del elemento (gMp)= 2.15 KN/m²

MUROS BIAPOYADOS

Coeficiente de amplificación dinámica (a_p)= 1.0

Nivel	h_{muro}	h_x	a_x	F_p KN/m	M_p KN·m/m	V_p KN/m
Piso 1	3.20 m	0.00 m	0.90	2.06 KN/m	1.65 KN·m/m	1.03 KN/m

Luz entre columnetas= 2.00 m

Dimensiones de la columneta b= 0.12 m h= 0.20 m

Momento de diseño= 3.30 kN·m

Cortante de diseño= 2.06 KN

$\rho = 0.0082$ $A_s = 98.91 \text{ mm}^2$

4 #3	$A_s = 284.00 \text{ mm}^2$	O.K
------	-----------------------------	------------

DISEÑO DE ELEMENTOS NO ESTRUCTURALES (NSR-10 A.9) - MAPIRIPAN - ANTEPECHO

GRADO DE DESEMPEÑO MINIMO

Grupo de uso= IV
Grado de desempeño= Superior

MATERIALES

f'c= 17.5 MPa ϕflexión= 0.9 ρmax= 0.0133
fy= 420 MPa ϕcompresión= 0.75 ρmin= 0.0033

PARAMETROS DE DISEÑO

Altura total de la edificación (h_n)= 3.90 m
Altura equivalente del sistema (h_{eq})= 2.93 m $a_x = A_s + \frac{(S_a - A_s)h_x}{h_{eq}}$ $h_x \leq h_{eq}$
Aceleración horizontal pico efectiva (A_a)= 0.20
Máxima aceleración horizontal (S_a)= 0.900 $a_x = S_a \frac{h_x}{h_{eq}}$ $h_x \geq h_{eq}$
Aceleración máxima en la superficie (A_s)= 0.900
Disipación de energía del elemento (R_p)= Dúctiles R_p= 3.0
Peso del elemento (gMp)= 2.15 kN/m²

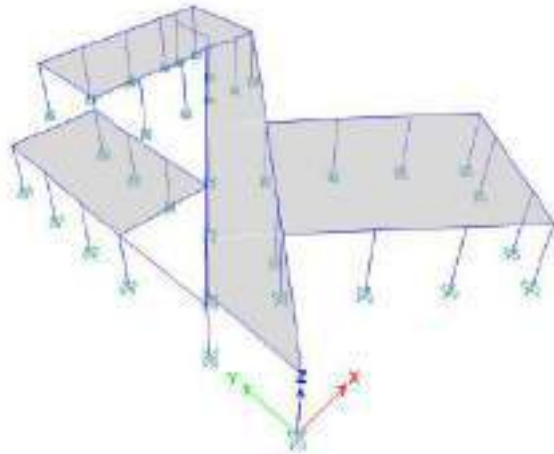
MUROS EN VOLADIZO

Coefficiente de amplificación dinámica (a_p)= 2.5

Nivel	h _{muro}	h _x	a _x	F _p kN/m	M _p kN·m/m	V _p kN/m
Piso 1	1.80 m	3.90 m	1.20	3.87 kN/m	3.48 kN·m/m	3.87 kN/m

Luz entre columnetas= 1.20 m Dimensiones de la columneta b= 0.12 m h= 0.20 m
Momento de diseño= 4.18 kN·m Cortante de diseño= 4.64 kN
ρ= 0.0109 A_s= 130.74 mm² 4 #3 A_s= 284.00 mm² O.K

DATOS DEL MODELO



Project Report

Model File: MODELO, Revision 0
12/09/2024

Table of Contents

1. Structure Data	4
1.1 Story Data	4
1.2 Grid Data	4
1.3 Point Coordinates	5
1.4 Line Connectivity	5
1.5 Area Connectivity	7
1.6 Mass	8
1.7 Groups	9
2. Properties	10
2.1 Materials	10
2.2 Frame Sections	10
2.3 Shell Sections	10
2.4 Reinforcement Sizes	10
2.5 Tendon Sections	10
3. Assignments	11
3.1 Joint Assignments	11
3.2 Frame Assignments	13
3.3 Shell Assignments	15
4. Loads	16
4.1 Load Patterns	16
4.2 Load Sets	16
4.3 Auto Wind Loading	17
4.4 Auto Seismic Loading	22
4.5 Applied Loads	27
4.5.1 Area Loads	27
4.6 Functions	27
4.6.1 Response Spectrum Functions	27
4.7 Load Cases	32
4.8 Load Combinations	33
5. Analysis Results	35
5.1 Structure Results	35
5.2 Story Results	36
5.3 Point Results	45
5.4 Modal Results	89

List of Tables

Table 1.1	Story Data	4
Table 1.2	Grid Systems	4
Table 1.3	Grid Lines	4
Table 1.4	Joint Coordinates Data	5
Table 1.5	Column Connectivity Data	6
Table 1.6	Beam Connectivity Data	6
Table 1.7	Floor Connectivity Data	7
Table 1.8	Mass Source	8
Table 1.9	Mass Summary by Story	8
Table 1.10	Group Definitions	9
Table 2.1	Material Properties - Summary	10
Table 2.2	Frame Sections - Summary	10
Table 2.3	Shell Sections - Summary	10
Table 2.4	Reinforcing Bar Sizes	10
Table 2.5	Tendon Section Properties	10
Table 3.1	Joint Assignments - Summary	11
Table 3.2	Frame Assignments - Summary	13
Table 3.3	Shell Assignments - Summary	15
Table 4.1	Load Patterns	16
Table 4.2	Shell Uniform Load Sets	16
Table 4.7	Shell Loads - Uniform Load Sets	27
Table 4.8	Response Spectrum Function - User	27
Table 4.9	Load Cases - Summary	32
Table 4.10	Load Combinations	33
Table 5.1	Base Reactions	35
Table 5.2	Story Drifts	36
Table 5.3	Story Forces	40
Table 5.4	Joint Reactions	45
Table 5.5	Modal Periods and Frequencies	89
Table 5.6	Modal Participating Mass Ratios	89
Table 5.7	Modal Load Participation Ratios	90
Table 5.8	Modal Direction Factors	90

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
Story3	0.8	5.2	No	None	No
Story2	0.9	4.4	No	None	No
Story1	3.5	3.5	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	ff0080ff
G2	Cartesian	Default	0	0	48.35	1.25	Red

Table 1.3 - Grid Lines

Grid System	Grid Direction	Grid ID	Visible	Bubble Location	Ordinate m
G1	X	1	Yes	End	0
G1	X	2	Yes	End	6.1224
G1	X	3	Yes	End	6.3262
G1	X	4	Yes	End	10.2262
G1	X	5	Yes	End	14.3474
G1	X	6	Yes	End	18.2224
G1	X	7	Yes	End	19.8512
G1	X	8	Yes	End	21.9512
G1	Y	A	Yes	Start	0
G1	Y	B	Yes	Start	12.8686
G1	Y	C	Yes	Start	16.7686
G1	Y	D	Yes	Start	20.7686
G1	Y	E	Yes	Start	24.8938
G1	Y	F	Yes	Start	28.171
G1	Y	G	Yes	Start	32.5196
G2	X	H	Yes	End	0
G2	X	I	Yes	End	4.5705
G2	X	J	Yes	End	8.25
G2	X	K	Yes	End	10.95
G2	X	L	Yes	End	11.1944
G2	X	M	Yes	End	13.5964
G2	X	N	Yes	End	16.5001
G2	X	O	Yes	End	18.9251
G2	X	P	Yes	End	19.2001
G2	X	Q	Yes	End	30.2138
G2	X	R	Yes	End	41.2275
G2	Y	12	Yes	Start	-14.375

Table 1.3 - Grid Lines (continued)

Grid System	Grid Direction	Grid ID	Visible	Bubble Location	Ordinate m
G2	Y	11	Yes	Start	-9.65
G2	Y	10	Yes	Start	-4.8
G2	Y	9	Yes	Start	0
G2	Y	9'	Yes	Start	3.9

1.3 Point Coordinates

Table 1.4 - Joint Coordinates Data

Label	X m	Y m	ΔZ Below m
2	18.0184	-1.37127	0
3	16.22404	-3.38876	0
4	23.50124	4.79335	0
5	21.70688	2.77586	0
6	19.97063	7.93349	0
7	16.34662	11.15669	0
8	12.69343	-0.24863	0
9	9.06942	2.97457	0
10	5.48277	6.16455	0
11	7.27713	8.18204	0
12	12.57722	14.14118	0
13	9.66306	16.73304	0
14	6.12172	12.75134	0
15	2.56862	8.75641	0
17	17.16529	25.16816	0
18	6.3262	32.5196	0
19	10.2262	32.5196	0
20	14.3474	32.5196	0
21	18.2224	32.5196	0
22	19.8512	32.5196	0
23	21.9512	32.5196	0
24	19.8512	28.171	0
25	19.8512	24.8938	0
26	14.3474	24.8938	0
27	10.2262	24.8938	0
28	6.3262	24.8938	0
29	0	24.8938	0
30	0	20.7686	0
31	0	16.7686	0
32	0	12.8686	0
33	6.1224	20.7686	0
34	6.1224	16.7686	0
35	21.9512	24.8938	0
36	0	0	0
37	-0.0026	16.7686	0
38	19.8512	24.896	0
41	0.1233	6.00702	0
44	5.52013	6.13132	0
45	6.1224	16.7936	0

1.4 Line Connectivity

Table 1.5 - Column Connectivity Data

Column	I-End Point	J-End Point	I-End Story
C2	2	2	Below
C3	3	3	Below
C4	4	4	Below
C5	5	5	Below
C6	6	6	Below
C7	7	7	Below
C8	8	8	Below
C9	9	9	Below
C10	10	10	Below
C11	11	11	Below
C12	12	12	Below
C13	13	13	Below
C14	14	14	Below
C15	15	15	Below
C17	17	17	Below
C18	18	18	Below
C19	19	19	Below
C20	20	20	Below
C21	21	21	Below
C22	22	22	Below
C23	23	23	Below
C24	24	24	Below
C25	25	25	Below
C26	26	26	Below
C27	27	27	Below
C28	28	28	Below
C29	29	29	Below
C30	30	30	Below
C31	31	31	Below
C32	32	32	Below
C33	33	33	Below
C34	34	34	Below
C35	35	35	Below
C36	36	36	Below
C37	41	41	Below

Table 1.6 - Beam Connectivity Data

Beam	I-End Point	J-End Point	Curve Type
B1	3	2	None
B2	2	5	None
B3	5	4	None
B4	6	4	None
B5	7	6	None
B6	12	7	None
B7	8	3	None
B8	9	8	None
B9	10	9	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B10	36	10	None
B11	10	11	None
B12	11	12	None
B13	12	35	None
B15	15	14	None
B16	14	13	None
B17	13	17	None
B18	17	24	None
B19	29	28	None
B20	30	29	None
B21	37	30	None
B22	32	37	None
B23	32	14	None
B24	14	34	None
B25	34	33	None
B26	33	28	None
B27	28	18	None
B28	28	27	None
B29	18	19	None
B30	19	20	None
B32	20	21	None
B33	21	22	None
B34	22	23	None
B35	35	23	None
B36	38	35	None
B39	24	22	None
B40	17	25	None
B41	26	17	None
B42	41	15	None
B43	41	32	None
B44	36	41	None
B31	27	26	None

1.5 Area Connectivity

Table 1.7 - Floor Connectivity Data

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
F2	4	1	36	10	None
		2	10	15	None
		3	15	41	None
		4	41	36	None
F3	6	1	15	14	None
		2	14	13	None
		3	13	12	None
		4	12	11	None
		5	11	44	None
		6	44	15	None
F4	5	1	13	17	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		2	17	38	None
		3	38	35	None
		4	35	12	None
		5	12	13	None
F5	12	1	18	19	None
		2	19	20	None
		3	20	21	None
		4	21	22	None
		5	22	23	None
		6	23	35	None
		7	35	38	None
		8	38	17	None
		9	17	26	None
		10	26	27	None
		11	27	28	None
		12	28	18	None
F6	11	1	10	11	None
		2	11	12	None
		3	12	7	None
		4	7	6	None
		5	6	4	None
		6	4	5	None
		7	5	2	None
		8	2	3	None
		9	3	8	None
		10	8	9	None
		11	9	10	None
F7	8	1	29	28	None
		2	28	33	None
		3	33	45	None
		4	45	14	None
		5	14	32	None
		6	32	31	None
		7	31	30	None
		8	30	29	None

1.6 Mass

Table 1.8 - 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	PPROPIO	1
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	ACABADOS	1
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	CIELOFALSO	1
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	ANTEPECHO	1
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	IMP	1
MsSrc1	No	No	Yes	Yes	No	Yes	Yes	ESCALERA	1

1.7 Groups

Table 1.9 - Mass Summary by Story

Story	UX tonf-s²/m	UY tonf-s²/m	UZ tonf-s²/m
Story3	0	0	0
Story2	19.28885	19.28885	0
Story1	5.38081	5.38081	0
Base	2.4048	2.4048	0

Table 1.10 - Group Definitions

Name	Color
All	Yellow

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
3000Psi	Concrete	2194997	0.2	2.4	Fc=2109.21 tonf/m²
A416Gr270	Tendon	20037480	0	7.849	Fy=172322.3 tonf/m², Fu=189828.8 tonf/m²
A615Gr60	Rebar	20389020	0	7.849	Fy=42184.18 tonf/m², Fu=63276.27 tonf/m²
CONC21	Concrete	2194996	0.2	2.4028	Fc=2109.21 tonf/m²
CONC28.13	Concrete	249277.3	0.2	2.4028	Fc=2813 tonf/m²
WOM0	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
C30X40	3000Psi	Concrete Rectangular
C35X35	3000Psi	Concrete Rectangular
C35X60	3000Psi	Concrete Rectangular
C35X90	3000Psi	Concrete Rectangular
C40X50	3000Psi	Concrete Rectangular
C50X65	3000Psi	Concrete Rectangular
V30X40	3000Psi	Concrete Rectangular
V40X112	3000Psi	Concrete Rectangular
V40X40	3000Psi	Concrete Rectangular
V40X70	3000Psi	Concrete Rectangular

2.3 Shell Sections

Table 2.3 - Shell Sections - Summary

Name	Design Type	Element Type	Material	Total Thickness m
CUB LIV	Slab	Membrane	WOM0	1E-07
PL22	Slab	Membrane	3000Psi	0.22

2.4 Reinforcement Sizes

Table 2.4 - Reinforcing Bar Sizes

Name	Diameter m	Area m²
18	0.018	0.000255

2.5 Tendon Sections

Table 2.5 - Tendon Section Properties

Name	Material	StrandArea m²	Color
Tendon1	A416Gr270	9.9E-05	Red

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
Story2	2	7	From Area	
Story2	3	11	From Area	
Story2	4	15	From Area	
Story2	5	19	From Area	
Story2	6	23	From Area	
Story2	7	27	From Area	
Story2	8	31	From Area	
Story2	9	35	From Area	
Story2	10	39	From Area	
Story2	11	43	From Area	
Story2	12	51	From Area	
Story2	13	55	From Area	
Story2	14	59	From Area	
Story2	15	63	From Area	
Story2	17	71	From Area	
Story2	18	75	From Area	
Story2	19	79	From Area	
Story2	20	83	From Area	
Story2	21	87	From Area	
Story2	22	91	From Area	
Story2	23	95	From Area	
Story2	25	103	From Area	
Story2	26	107	From Area	
Story2	27	111	From Area	
Story2	28	115	From Area	
Story2	35	147	From Area	
Story2	36	152	From Area	
Story2	38	156	From Area	
Story2	41	164	From Area	
Story2	44	170	From Area	
Story1	2	9	From Area	
Story1	3	13	From Area	
Story1	4	17	From Area	
Story1	5	21	From Area	
Story1	6	25	From Area	
Story1	7	29	From Area	
Story1	8	33	From Area	
Story1	9	37	From Area	
Story1	10	41	From Area	
Story1	11	45	From Area	
Story1	12	53	From Area	
Story1	13	57	From Area	
Story1	14	61	From Area	
Story1	15	65	From Area	
Story1	17	73	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
Story1	18	77	From Area	
Story1	19	81	From Area	
Story1	20	85	From Area	
Story1	21	89	From Area	
Story1	22	93	From Area	
Story1	23	97	From Area	
Story1	24	101	From Area	
Story1	25	105	From Area	
Story1	26	109	From Area	
Story1	27	113	From Area	
Story1	28	117	From Area	
Story1	29	121	From Area	
Story1	30	125	From Area	
Story1	31	129	From Area	
Story1	32	133	From Area	
Story1	33	137	From Area	
Story1	34	141	From Area	
Story1	35	149	From Area	
Story1	36	151	From Area	
Story1	37	155	From Area	
Story1	41	163	From Area	
Story1	45	171	From Area	
Base	2	10	From Area	UX; UY; UZ; RX; RY; RZ
Base	3	14	From Area	UX; UY; UZ; RX; RY; RZ
Base	4	18	From Area	UX; UY; UZ; RX; RY; RZ
Base	5	22	From Area	UX; UY; UZ; RX; RY; RZ
Base	6	26	From Area	UX; UY; UZ; RX; RY; RZ
Base	7	30	From Area	UX; UY; UZ; RX; RY; RZ
Base	8	34	From Area	UX; UY; UZ; RX; RY; RZ
Base	9	38	From Area	UX; UY; UZ; RX; RY; RZ
Base	10	42	From Area	UX; UY; UZ; RX; RY; RZ
Base	11	46	From Area	UX; UY; UZ; RX; RY; RZ
Base	12	54	From Area	UX; UY; UZ; RX; RY; RZ
Base	13	58	From Area	UX; UY; UZ; RX; RY; RZ
Base	14	62	From Area	UX; UY; UZ; RX; RY; RZ
Base	15	66	From Area	UX; UY; UZ; RX; RY; RZ
Base	17	74	From Area	UX; UY; UZ; RX; RY; RZ
Base	18	78	From Area	UX; UY; UZ; RX; RY; RZ
Base	19	82	From Area	UX; UY; UZ; RX; RY; RZ
Base	20	86	From Area	UX; UY; UZ; RX; RY; RZ
Base	21	90	From Area	UX; UY; UZ; RX; RY; RZ
Base	22	94	From Area	UX; UY; UZ; RX; RY; RZ
Base	23	98	From Area	UX; UY; UZ; RX; RY; RZ
Base	24	102	From Area	UX; UY; UZ; RX; RY; RZ
Base	25	106	From Area	UX; UY; UZ; RX; RY; RZ
Base	26	110	From Area	UX; UY; UZ; RX; RY; RZ
Base	27	114	From Area	UX; UY; UZ; RX; RY; RZ
Base	28	118	From Area	UX; UY; UZ; RX; RY; RZ
Base	29	122	From Area	UX; UY; UZ; RX; RY; RZ

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
Base	30	126	From Area	UX; UY; UZ; RX; RY; RZ
Base	31	130	From Area	UX; UY; UZ; RX; RY; RZ
Base	32	134	From Area	UX; UY; UZ; RX; RY; RZ
Base	33	138	From Area	UX; UY; UZ; RX; RY; RZ
Base	34	142	From Area	UX; UY; UZ; RX; RY; RZ
Base	35	150	From Area	UX; UY; UZ; RX; RY; RZ
Base	36	154	From Area	UX; UY; UZ; RX; RY; RZ
Base	41	166	From Area	UX; UY; UZ; RX; RY; RZ

3.2 Frame Assignments

Table 3.2 - Frame Assignments - Summary

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations
Story2	C2	5	Column	0.9	C35X35	C35X35	48	11
Story2	C3	8	Column	0.9	C35X35	C35X35	48	11
Story2	C4	11	Column	0.9	C35X35	C35X35	48	11
Story2	C5	14	Column	0.9	C35X35	C35X35	48	11
Story2	C6	17	Column	0.9	C35X35	C35X35	48	11
Story2	C7	20	Column	0.9	C35X35	C35X35	48	11
Story2	C8	23	Column	0.9	C35X35	C35X35	48	11
Story2	C9	26	Column	0.9	C35X35	C35X35	48	11
Story2	C10	29	Column	0.9	C35X35	C35X35	48	11
Story2	C11	32	Column	0.9	C35X35	C35X35	48	11
Story2	C12	38	Column	0.9	C35X90	C35X90	48	11
Story2	C13	41	Column	0.9	C35X90	C35X90	48	11
Story2	C14	44	Column	0.9	C35X90	C35X90	48	11
Story2	C15	47	Column	0.9	C35X35	C35X35	48	11
Story2	C17	53	Column	0.9	C35X90	C35X90	48	11
Story2	C18	56	Column	0.9	C35X35	C35X35		11
Story2	C19	59	Column	0.9	C35X35	C35X35		11
Story2	C20	62	Column	0.9	C35X35	C35X35		11
Story2	C21	65	Column	0.9	C35X35	C35X35		11
Story2	C22	68	Column	0.9	C35X35	C35X35		11
Story2	C23	71	Column	0.9	C35X35	C35X35		11
Story2	C25	77	Column	0.9	C35X35	C35X35		11
Story2	C26	80	Column	0.9	C35X35	C35X35		11
Story2	C27	83	Column	0.9	C35X35	C35X35		11
Story2	C28	86	Column	0.9	C40X50	C40X50		11
Story2	C35	110	Column	0.9	C35X90	C35X90	90	11
Story2	C36	139	Column	0.9	C35X60	C35X60	138.35	11
Story2	C37	189	Column	0.9	C50X65	C50X65	48.35	11
Story1	C2	6	Column	3.5	C35X35	C35X35	48	11
Story1	C3	9	Column	3.5	C35X35	C35X35	48	11
Story1	C4	12	Column	3.5	C35X35	C35X35	48	11
Story1	C5	15	Column	3.5	C35X35	C35X35	48	11
Story1	C6	18	Column	3.5	C35X35	C35X35	48	11
Story1	C7	21	Column	3.5	C35X35	C35X35	48	11
Story1	C8	24	Column	3.5	C35X35	C35X35	48	11

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations
Story1	C9	27	Column	3.5	C35X35	C35X35	48	11
Story1	C10	30	Column	3.5	C35X35	C35X35	48	11
Story1	C11	33	Column	3.5	C35X35	C35X35	48	11
Story1	C12	39	Column	3.5	C35X90	C35X90	48	11
Story1	C13	42	Column	3.5	C35X90	C35X90	48	11
Story1	C14	45	Column	3.5	C35X90	C35X90	48	11
Story1	C15	48	Column	3.5	C35X35	C35X35	48	11
Story1	C17	54	Column	3.5	C35X90	C35X90	48	11
Story1	C18	57	Column	3.5	C35X35	C35X35		11
Story1	C19	60	Column	3.5	C35X35	C35X35		11
Story1	C20	63	Column	3.5	C35X35	C35X35		11
Story1	C21	66	Column	3.5	C35X35	C35X35		11
Story1	C22	69	Column	3.5	C35X35	C35X35		11
Story1	C23	72	Column	3.5	C35X35	C35X35		11
Story1	C24	75	Column	3.5	C35X35	C35X35		11
Story1	C25	78	Column	3.5	C35X35	C35X35		11
Story1	C26	81	Column	3.5	C35X35	C35X35		11
Story1	C27	84	Column	3.5	C35X35	C35X35		11
Story1	C28	87	Column	3.5	C40X50	C40X50		11
Story1	C29	90	Column	3.5	C30X40	C30X40	90	11
Story1	C30	93	Column	3.5	C35X35	C35X35	90	11
Story1	C31	96	Column	3.5	C35X35	C35X35	90	11
Story1	C32	99	Column	3.5	C35X35	C35X35	90	11
Story1	C33	102	Column	3.5	C35X35	C35X35	90	11
Story1	C34	105	Column	3.5	C35X35	C35X35	90	11
Story1	C35	111	Column	3.5	C35X90	C35X90	90	11
Story1	C36	141	Column	3.5	C35X60	C35X60	138.35	11
Story1	C37	191	Column	3.5	C50X65	C50X65	48.35	11
Story2	B1	112	Beam	2.7	V40X40	V40X40		11
Story2	B2	115	Beam	5.5501	V40X40	V40X40		11
Story2	B3	118	Beam	2.7	V40X40	V40X40		11
Story2	B4	121	Beam	4.725	V40X40	V40X40		11
Story2	B5	124	Beam	4.85	V40X40	V40X40		11
Story2	B6	127	Beam	4.80787	V40X40	V40X40		11
Story2	B7	130	Beam	4.725	V40X40	V40X40		11
Story2	B8	133	Beam	4.85	V40X40	V40X40		11
Story2	B9	136	Beam	4.8	V40X40	V40X40		11
Story2	B10	142	Beam	8.25	V40X112	V40X112		11
Story2	B11	143	Beam	2.7	V40X112	V40X112		11
Story2	B12	144	Beam	7.9751	V40X112	V40X112		11
Story2	B13	145	Beam	14.265	V40X112	V40X112		11
Story2	B15	181	Beam	5.3464	V40X70	V40X70		11
Story2	B16	182	Beam	5.3287	V40X70	V40X70		11
Story2	B17	183	Beam	11.2887	V40X70	V40X70		11
Story2	B27	159	Beam	7.6258	V40X40	V40X40		11
Story2	B28	160	Beam	3.9	V40X40	V40X40		11
Story2	B29	161	Beam	3.9	V40X40	V40X40		11
Story2	B30	162	Beam	4.1212	V40X40	V40X40		11

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations
Story2	B32	164	Beam	3.875	V40X40	V40X40		11
Story2	B33	166	Beam	1.6288	V40X40	V40X40		11
Story2	B34	168	Beam	2.1	V40X40	V40X40		11
Story2	B35	170	Beam	7.6258	V40X40	V40X40		11
Story2	B36	171	Beam	2.1	V40X40	V40X40		11
Story2	B40	184	Beam	2.69989	V40X40	V40X40		11
Story2	B41	185	Beam	2.83122	V40X40	V40X40		11
Story2	B42	192	Beam	3.6795	V40X70	V40X70		11
Story2	B44	198	Beam	6.00828	V40X40	V40X40		11
Story2	B31	2	Beam	4.1212	V40X40	V40X40		11
Story1	B18	174	Beam	4.02879	V40X70	V40X70		11
Story1	B19	151	Beam	6.3262	V30X40	V30X40		11
Story1	B20	152	Beam	4.1252	V40X40	V40X40		11
Story1	B21	153	Beam	4	V40X40	V40X40		11
Story1	B22	154	Beam	3.9	V40X40	V40X40		11
Story1	B23	155	Beam	6.12285	V40X40	V40X40		11
Story1	B24	156	Beam	4.01726	V40X40	V40X40		11
Story1	B25	157	Beam	4	V40X40	V40X40		11
Story1	B26	158	Beam	4.13023	V40X40	V40X40		11
Story1	B39	175	Beam	4.3486	V40X40	V40X40		11
Story1	B43	195	Beam	6.86269	V40X40	V40X40		11

3.3 Shell Assignments

Table 3.3 - Shell Assignments - Summary

Story	Label	Unique Name	Section	Axis Angle deg
Story2	F2	6	PL22	135
Story2	F3	7	PL22	140
Story2	F4	8	PL22	140
Story2	F5	9	CUB LIV	90
Story2	F6	10	CUB LIV	48
Story1	F7	11	CUB LIV	

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
PPROPIO	Dead	1	
ACABADOS	Dead	0	
CIELOFALSO	Dead	0	
ANTEPECHO	Dead	0	
VIVA	Live	0	
IMP	Dead	0	
ESCALERA	Dead	0	
SISMOX	Seismic	0	User Coefficient
SISMOY	Seismic	0	User Coefficient
PARTICIONES	Dead	0	
VIENTOX	Wind	0	ASCE 7-10
VIENTOY	Wind	0	ASCE 7-10

4.2 Load Sets

Table 4.2 - Shell Uniform Load Sets

Load Set	Load Pattern	Load tonf/m²
SALA ESTAR	ACABADOS	0.177
SALA ESTAR	VIVA	0.6
SALA ESTAR	PARTICIONES	0.222
SALA ESTAR	CIELOFALSO	0.07
CUB LIVIANA	ACABADOS	0.02
CUB LIVIANA	VIVA	0.05
CUB LIVIANA	CIELOFALSO	0.05
ALOJAMIENTOS	ACABADOS	0.177
ALOJAMIENTOS	VIVA	0.2
ALOJAMIENTOS	PARTICIONES	0.222
ALOJAMIENTOS	CIELOFALSO	0.07
PL CUBIERTA	ACABADOS	0.11
PL CUBIERTA	VIVA	0.18
PL CUBIERTA	CIELOFALSO	0.07
PL CUBIERTA	IMP	0.025
PL CUB VOLADIZO	ACABADOS	0.143
PL CUB VOLADIZO	VIVA	0.234
PL CUB VOLADIZO	CIELOFALSO	0.091
PL CUB VOLADIZO	IMP	0.033
CORREDOR	ACABADOS	0.177
CORREDOR	VIVA	0.5
CORREDOR	CIELOFALSO	0.07
CORREDOR	PARTICIONES	0.222
CORREDOR VOLADIZO	ACABADOS	0.23
CORREDOR VOLADIZO	VIVA	0.65
CORREDOR VOLADIZO	CIELOFALSO	0.091

Table 4.2 - Shell Uniform Load Sets (continued)

Load Set	Load Pattern	Load tonf/m²
CORREDOR VOLADIZO	PARTICIONES	0.289
ESCALERA	ACABADOS	0.18
ESCALERA	VIVA	0.5

4.3 Auto Wind Loading

ASCE 7-10 Auto Wind Load Calculation

This calculation presents the automatically generated lateral wind loads for load pattern VIENTOX according to ASCE 7-10, as calculated by ETABS.

Exposure Parameters

Exposure From = Diaphragms

Exposure Category = D

Wind Direction = 0 degrees

Basic Wind Speed, V [ASCE 26.5.1]

$V = 103\text{ mph}$

Windward Coefficient, $C_{p,wind}$ [ASCE 27.4.1]

$C_{p,wind} = 0.8$

Leeward Coefficient, $C_{p,lee}$ [ASCE 27.4.1]

$C_{p,lee} = 0.5$

Wind Case = Case 1

Top Story = Story3

Bottom Story = Base

Include Parapet = No

Factors and Coefficients

Gradient Height, z_g [ASCE Table 26.9-1]

$z_g = 700$

Emperical Exponent, α [ASCE Table 26.9-1]

$\alpha = 11.5$

Velocity Pressure Exposure Coefficient, K_z [ASCE Table 27.3-1]

$K_z = 2.01 \left(\frac{z}{z_g} \right)^{\frac{\alpha}{2}} \text{ for } 15ft \leq z \leq z_g$

$K_z = 2.01 \left(\frac{15}{z_g} \right)^{\frac{\alpha}{2}} \text{ for } z < 15ft$

Topographical Factor, K_{zt} [ASCE 26.8.2]

$K_{zt} = 1$

Directionality Factor, K_d [ASCE 26.6]

$K_d = 0.85$

Gust Effect Factor, G [ASCE 26.9]

$G = 0.85$

Lateral Loading

Velocity Pressure, q_z [ASCE 27.3.2 Eq. 27.3-1]

$q_z = 0.00256 K_z K_{zt} K_d V^2$

Design Wind Pressure, p [ASCE 27.4.2 Eq. 27.4-2]

$p = qG C_{p,wind} + q_n (G C_{p,lee})$

Applied Story Forces



ASCE 7-10 Auto Wind Load Calculation

This calculation presents the automatically generated lateral wind loads for load pattern VIENTOY according to ASCE 7-10, as calculated by ETABS.

Exposure Parameters

Exposure From = Diaphragms

Exposure Category = D

Wind Direction = 90 degrees

Basic Wind Speed, V [ASCE 26.5.1] V = 103 mph

Windward Coefficient, C_{p,wind} [ASCE 27.4.1] C_{p,wind} =0.8

Leeward Coefficient, C_{p,lee} [ASCE 27.4.1] C_{p,lee} =0.2

Wind Case = Case 1

Top Story = Story3

Bottom Story = Base

Include Parapet = No

Factors and Coefficients

Gradient Height, z_g [ASCE Table 26.9-1] z_g = 700

Emperical Exponent, α [ASCE Table 26.9-1] α = 11.5

Velocity Pressure Exposure Coefficient, K_z [ASCE Table 27.3-1] $K_z = 2.01 \left(\frac{z}{z_g} \right)^{\frac{2}{\alpha}}$ for 15ft ≤ z ≤ z_g
 $K_z = 2.01 \left(\frac{15}{z_g} \right)^{\frac{2}{\alpha}}$ for z < 15ft

Topographical Factor, K_{st} [ASCE 26.8.2] K_{st} = 1

Directionality Factor, K_d [ASCE 26.6] K_d = 0.85

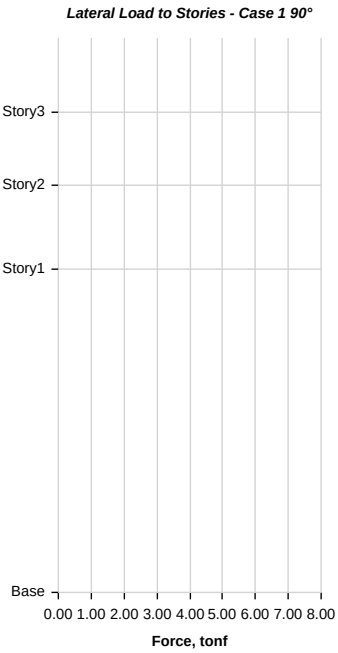
Gust Effect Factor, G [ASCE 26.9] G = 0.85

Lateral Loading

Velocity Pressure, q_z [ASCE 27.3.2 Eq. 27.3-1] $q_z = 0.00256 K_z K_{st} K_d V^2$

Design Wind Pressure, p [ASCE 27.4.2 Eq. 27.4-2] $p = qG C_{p,wind} + q_n (G C_{p,lee})$

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story3	5.2	0	0
Story2	4.4	0	0
Story1	3.5	0	0
Base	0	0	0

4.4 Auto Seismic Loading

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern SISMOX using the user input coefficients, as calculated by ETABS.

Direction and Eccentricity

Direction = X + Eccentricity Y

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

C = 0.22

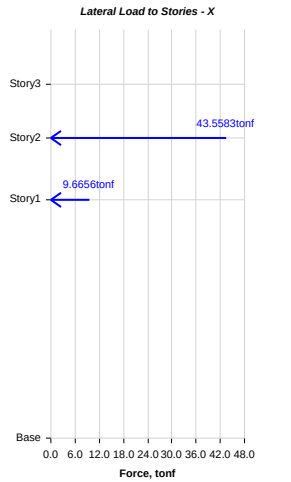
Base Shear, V

V = CW

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
X + Ecc. Y	0	0	241.92673	53.2239

Applied Story Forces



Story	Elevation m	X-Dir tonf	Y-Dir tonf
Story3	5.2	0	0
Story2	4.4	43.5583	0
Story1	3.5	9.6656	0
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern SISMOY using the user input coefficients, as calculated by ETABS.

Direction and Eccentricity

Direction = Y + Eccentricity X

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

C = 0.22

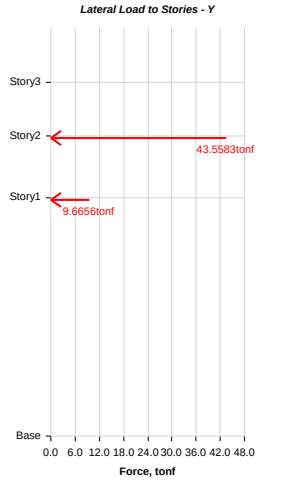
Base Shear, V

V = CW

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
Y + Ecc. X	0	0	241.92673	53.2239

Applied Story Forces



Story	Elevation m	X-Dir tonf	Y-Dir tonf
Story3	5.2	0	0
Story2	4.4	0	43.5583
Story1	3.5	0	9.6656
Base	0	0	0

4.5 Applied Loads

4.5.1 Area Loads

Table 4.7 - Shell Loads - Uniform Load Sets

Story	Label	Unique Name	Load Set	Load Pattern	Load tonf/m²
Story2	F2	6	PL CUBIERTA	ACABADOS	0.11
Story2	F2	6	PL CUBIERTA	VIVA	0.18
Story2	F2	6	PL CUBIERTA	CIELOFALSO	0.07
Story2	F2	6	PL CUBIERTA	IMP	0.025
Story2	F3	7	PL CUBIERTA	ACABADOS	0.11
Story2	F3	7	PL CUBIERTA	VIVA	0.18
Story2	F3	7	PL CUBIERTA	CIELOFALSO	0.07
Story2	F3	7	PL CUBIERTA	IMP	0.025
Story2	F4	8	PL CUBIERTA	ACABADOS	0.11
Story2	F4	8	PL CUBIERTA	VIVA	0.18
Story2	F4	8	PL CUBIERTA	CIELOFALSO	0.07
Story2	F4	8	PL CUBIERTA	IMP	0.025
Story2	F5	9	CUB LIVIANA	ACABADOS	0.02
Story2	F5	9	CUB LIVIANA	VIVA	0.05
Story2	F5	9	CUB LIVIANA	CIELOFALSO	0.05
Story2	F6	10	CUB LIVIANA	ACABADOS	0.02
Story2	F6	10	CUB LIVIANA	VIVA	0.05
Story2	F6	10	CUB LIVIANA	CIELOFALSO	0.05
Story1	F7	11	CUB LIVIANA	ACABADOS	0.02
Story1	F7	11	CUB LIVIANA	VIVA	0.05
Story1	F7	11	CUB LIVIANA	CIELOFALSO	0.05

4.6 Functions

4.6.1 Response Spectrum Functions

Table 4.8 - Response Spectrum Function - User

Name	Period sec	Acceleration	Damping %
CTAGENAUMBRAL	0	0.03	5
CTAGENAUMBRAL	0.025	0.04	
CTAGENAUMBRAL	0.05	0.04	
CTAGENAUMBRAL	0.075	0.05	
CTAGENAUMBRAL	0.1	0.05	
CTAGENAUMBRAL	0.125	0.06	
CTAGENAUMBRAL	0.15	0.07	
CTAGENAUMBRAL	0.175	0.07	
CTAGENAUMBRAL	0.2	0.08	
CTAGENAUMBRAL	0.225	0.08	
CTAGENAUMBRAL	0.25	0.09	
CTAGENAUMBRAL	0.275	0.09	
CTAGENAUMBRAL	0.3	0.09	
CTAGENAUMBRAL	0.325	0.09	
CTAGENAUMBRAL	0.35	0.09	
CTAGENAUMBRAL	0.375	0.09	
CTAGENAUMBRAL	0.4	0.09	
CTAGENAUMBRAL	0.425	0.09	

Table 4.8 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
CTAGENAUMBRAL	0.45	0.09	
CTAGENAUMBRAL	0.475	0.09	
CTAGENAUMBRAL	0.5	0.09	
CTAGENAUMBRAL	0.525	0.09	
CTAGENAUMBRAL	0.55	0.09	
CTAGENAUMBRAL	0.575	0.09	
CTAGENAUMBRAL	0.6	0.09	
CTAGENAUMBRAL	0.625	0.09	
CTAGENAUMBRAL	0.65	0.09	
CTAGENAUMBRAL	0.675	0.09	
CTAGENAUMBRAL	0.7	0.09	
CTAGENAUMBRAL	0.725	0.09	
CTAGENAUMBRAL	0.75	0.09	
CTAGENAUMBRAL	0.775	0.09	
CTAGENAUMBRAL	0.8	0.09	
CTAGENAUMBRAL	0.825	0.09	
CTAGENAUMBRAL	0.85	0.09	
CTAGENAUMBRAL	0.875	0.09	
CTAGENAUMBRAL	0.9	0.09	
CTAGENAUMBRAL	0.925	0.09	
CTAGENAUMBRAL	0.95	0.09	
CTAGENAUMBRAL	0.975	0.09	
CTAGENAUMBRAL	1	0.09	
CTAGENAUMBRAL	1.025	0.09	
CTAGENAUMBRAL	1.05	0.09	
CTAGENAUMBRAL	1.075	0.09	
CTAGENAUMBRAL	1.1	0.09	
CTAGENAUMBRAL	1.125	0.09	
CTAGENAUMBRAL	1.15	0.09	
CTAGENAUMBRAL	1.175	0.09	
CTAGENAUMBRAL	1.2	0.09	
CTAGENAUMBRAL	1.225	0.09	
CTAGENAUMBRAL	1.25	0.09	
CTAGENAUMBRAL	1.275	0.09	
CTAGENAUMBRAL	1.3	0.09	
CTAGENAUMBRAL	1.325	0.09	
CTAGENAUMBRAL	1.35	0.09	
CTAGENAUMBRAL	1.375	0.09	
CTAGENAUMBRAL	1.4	0.09	
CTAGENAUMBRAL	1.425	0.09	
CTAGENAUMBRAL	1.45	0.09	
CTAGENAUMBRAL	1.475	0.09	
CTAGENAUMBRAL	1.5	0.09	
CTAGENAUMBRAL	1.525	0.09	
CTAGENAUMBRAL	1.55	0.09	
CTAGENAUMBRAL	1.575	0.09	
CTAGENAUMBRAL	1.6	0.08	
CTAGENAUMBRAL	1.625	0.08	
CTAGENAUMBRAL	1.65	0.08	

Table 4.8 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
CTAGENAUMBRAL	1.675	0.08	
CTAGENAUMBRAL	1.7	0.08	
CTAGENAUMBRAL	1.725	0.08	
CTAGENAUMBRAL	1.75	0.08	
CTAGENAUMBRAL	1.775	0.08	
CTAGENAUMBRAL	1.8	0.08	
CTAGENAUMBRAL	1.825	0.07	
CTAGENAUMBRAL	1.85	0.07	
CTAGENAUMBRAL	1.875	0.07	
CTAGENAUMBRAL	1.9	0.07	
CTAGENAUMBRAL	1.925	0.07	
CTAGENAUMBRAL	1.95	0.07	
CTAGENAUMBRAL	1.975	0.07	
CTAGENAUMBRAL	2	0.07	
CTAGENAUMBRAL	2.025	0.07	
CTAGENAUMBRAL	2.05	0.07	
CTAGENAUMBRAL	2.075	0.07	
CTAGENAUMBRAL	2.1	0.06	
CTAGENAUMBRAL	2.125	0.06	
CTAGENAUMBRAL	2.15	0.06	
CTAGENAUMBRAL	2.175	0.06	
CTAGENAUMBRAL	2.2	0.06	
CTAGENAUMBRAL	2.225	0.06	
CTAGENAUMBRAL	2.25	0.06	
CTAGENAUMBRAL	2.275	0.06	
CTAGENAUMBRAL	2.3	0.06	
CTAGENAUMBRAL	2.325	0.06	
CTAGENAUMBRAL	2.35	0.06	
CTAGENAUMBRAL	2.375	0.06	
CTAGENAUMBRAL	2.4	0.06	
CTAGENAUMBRAL	2.425	0.06	
CTAGENAUMBRAL	2.45	0.06	
CTAGENAUMBRAL	2.475	0.05	
CTAGENAUMBRAL	2.5	0.05	
CTAGENAUMBRAL	2.525	0.05	
CTAGENAUMBRAL	2.55	0.05	
CTAGENAUMBRAL	2.575	0.05	
CTAGENAUMBRAL	2.6	0.05	
CTAGENAUMBRAL	2.625	0.05	
CTAGENAUMBRAL	2.65	0.05	
CTAGENAUMBRAL	2.675	0.05	
CTAGENAUMBRAL	2.7	0.05	
CTAGENAUMBRAL	2.725	0.05	
CTAGENAUMBRAL	2.75	0.05	
CTAGENAUMBRAL	2.775	0.05	
CTAGENAUMBRAL	2.8	0.05	
CTAGENAUMBRAL	2.825	0.05	
CTAGENAUMBRAL	2.85	0.05	
CTAGENAUMBRAL	2.875	0.05	

Table 4.8 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
CTAGENAUMBRAL	2.9	0.05	
CTAGENAUMBRAL	2.925	0.05	
CTAGENAUMBRAL	2.95	0.05	
CTAGENAUMBRAL	2.975	0.05	
CTAGENAUMBRAL	3	0.05	
CTAGENAUMBRAL	3.025	0.04	
CTAGENAUMBRAL	3.05	0.04	
CTAGENAUMBRAL	3.075	0.04	
CTAGENAUMBRAL	3.1	0.04	
CTAGENAUMBRAL	3.125	0.04	
CTAGENAUMBRAL	3.15	0.04	
CTAGENAUMBRAL	3.175	0.04	
CTAGENAUMBRAL	3.2	0.04	
CTAGENAUMBRAL	3.225	0.04	
CTAGENAUMBRAL	3.25	0.04	
CTAGENAUMBRAL	3.275	0.04	
CTAGENAUMBRAL	3.3	0.04	
CTAGENAUMBRAL	3.325	0.04	
CTAGENAUMBRAL	3.35	0.04	
CTAGENAUMBRAL	3.375	0.04	
CTAGENAUMBRAL	3.4	0.04	
CTAGENAUMBRAL	3.425	0.04	
CTAGENAUMBRAL	3.45	0.04	
CTAGENAUMBRAL	3.475	0.04	
CTAGENAUMBRAL	3.5	0.04	
CTAGENAUMBRAL	3.525	0.04	
CTAGENAUMBRAL	3.55	0.04	
CTAGENAUMBRAL	3.575	0.04	
CTAGENAUMBRAL	3.6	0.04	
CTAGENAUMBRAL	3.625	0.04	
CTAGENAUMBRAL	3.65	0.04	
CTAGENAUMBRAL	3.675	0.04	
CTAGENAUMBRAL	3.7	0.04	
CTAGENAUMBRAL	3.725	0.04	
CTAGENAUMBRAL	3.75	0.04	
CTAGENAUMBRAL	3.775	0.04	
CTAGENAUMBRAL	3.8	0.04	
CTAGENAUMBRAL	3.825	0.04	
CTAGENAUMBRAL	3.85	0.04	
CTAGENAUMBRAL	3.875	0.03	
CTAGENAUMBRAL	3.9	0.03	
CTAGENAUMBRAL	3.925	0.03	
CTAGENAUMBRAL	3.95	0.03	
CTAGENAUMBRAL	3.975	0.03	
CTAGENAUMBRAL	4	0.03	
CTAGENAUMBRAL	4.025	0.03	
CTAGENAUMBRAL	4.05	0.03	
CTAGENAUMBRAL	4.075	0.03	
CTAGENAUMBRAL	4.1	0.03	

Table 4.8 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
CTAGENAUMBRAL	4.125	0.03	
CTAGENAUMBRAL	4.15	0.03	
CTAGENAUMBRAL	4.175	0.03	
CTAGENAUMBRAL	4.2	0.03	
CTAGENAUMBRAL	4.225	0.03	
CTAGENAUMBRAL	4.25	0.03	
CTAGENAUMBRAL	4.275	0.03	
CTAGENAUMBRAL	4.3	0.03	
CTAGENAUMBRAL	4.325	0.03	
CTAGENAUMBRAL	4.35	0.03	
CTAGENAUMBRAL	4.375	0.03	
CTAGENAUMBRAL	4.4	0.03	
CTAGENAUMBRAL	4.425	0.03	
CTAGENAUMBRAL	4.45	0.03	
CTAGENAUMBRAL	4.475	0.03	
CTAGENAUMBRAL	4.5	0.03	
CTAGENAUMBRAL	4.525	0.03	
CTAGENAUMBRAL	4.55	0.03	
CTAGENAUMBRAL	4.575	0.03	
CTAGENAUMBRAL	4.6	0.03	
CTAGENAUMBRAL	4.625	0.03	
CTAGENAUMBRAL	4.65	0.03	
CTAGENAUMBRAL	4.675	0.03	
CTAGENAUMBRAL	4.7	0.03	
CTAGENAUMBRAL	4.725	0.03	
CTAGENAUMBRAL	4.75	0.03	
CTAGENAUMBRAL	4.775	0.03	
CTAGENAUMBRAL	4.8	0.03	
CTAGENAUMBRAL	4.825	0.03	
CTAGENAUMBRAL	4.85	0.03	
CTAGENAUMBRAL	4.875	0.03	
CTAGENAUMBRAL	4.9	0.03	
CTAGENAUMBRAL	4.925	0.03	
CTAGENAUMBRAL	4.95	0.03	
CTAGENAUMBRAL	4.975	0.03	
CTAGENAUMBRAL	5	0.03	
CTAGENAUMBRAL	5.025	0.03	
CTAGENAUMBRAL	5.05	0.03	
CTAGENAUMBRAL	5.075	0.03	
CTAGENAUMBRAL	5.1	0.03	
CTAGENAUMBRAL	5.125	0.03	
CTAGENAUMBRAL	5.15	0.03	
CTAGENAUMBRAL	5.175	0.03	
CTAGENAUMBRAL	5.2	0.03	
CTAGENAUMBRAL	5.225	0.03	
CTAGENAUMBRAL	5.25	0.03	
CTAGENAUMBRAL	5.275	0.03	
CTAGENAUMBRAL	5.3	0.03	
CTAGENAUMBRAL	5.325	0.03	

Table 4.8 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
CTAGENAUMBRAL	5.35	0.03	
CTAGENAUMBRAL	5.375	0.03	
CTAGENAUMBRAL	5.4	0.03	
CTAGENAUMBRAL	5.425	0.02	
CTAGENAUMBRAL	5.45	0.02	
CTAGENAUMBRAL	5.475	0.02	
CTAGENAUMBRAL	5.5	0.02	
CTAGENAUMBRAL	5.525	0.02	
CTAGENAUMBRAL	5.55	0.02	
CTAGENAUMBRAL	5.575	0.02	
CTAGENAUMBRAL	5.6	0.02	
CTAGENAUMBRAL	5.625	0.02	
CTAGENAUMBRAL	5.65	0.02	
CTAGENAUMBRAL	5.675	0.02	
CTAGENAUMBRAL	5.7	0.02	
CTAGENAUMBRAL	5.725	0.02	
CTAGENAUMBRAL	5.75	0.02	
CTAGENAUMBRAL	5.775	0.02	
CTAGENAUMBRAL	5.8	0.02	
CTAGENAUMBRAL	5.825	0.02	
CTAGENAUMBRAL	5.85	0.02	
CTAGENAUMBRAL	5.875	0.02	
CTAGENAUMBRAL	5.9	0.02	
CTAGENAUMBRAL	5.925	0.02	
CTAGENAUMBRAL	5.95	0.02	
CTAGENAUMBRAL	5.975	0.02	
CTAGENAUMBRAL	6	0.02	

4.7 Load Cases

Table 4.9 - Load Cases - Summary

Name	Type
PPROPIO	Linear Static
ACABADOS	Linear Static
CIELOFALSO	Linear Static
ANTEPECHO	Linear Static
VIVA	Linear Static
IMP	Linear Static
ESCALERA	Linear Static
SXSPC	Response Spectrum
SYSPC	Response Spectrum
SISMOX	Linear Static
SISMOY	Linear Static
DERX	Response Spectrum
DERY	Response Spectrum
UMBX	Response Spectrum
UMBY	Response Spectrum
PARTICIONES	Linear Static
VIENTOX	Linear Static

Table 4.9 - Load Cases - Summary (continued)

Name	Type
VIENTOY	Linear Static
~TorsionSXSPC	Linear Static
~TorsionSYSPC	Linear Static
~TorsionDERX	Linear Static
~TorsionDERY	Linear Static

4.8 Load Combinations

Table 4.10 - Load Combinations

Name	Load Case/Combo	Scale Factor	Type	Auto
CMUERTA	ACABADOS	1	Linear Add	No
CMUERTA	CIELOFALSO	1		No
CMUERTA	ANTEPECHO	1		No
CMUERTA	IMP	1		No
CMUERTA	PARTICIONES	1		No
CMUERTA	ESCALERA	1		No
CMUERTA	PPROPIO	1		No
CVIVA	VIVA	1	Linear Add	No
CVIVA	ESCALERA	1		No
DER0	CMUERTA	1	Linear Add	No
CIM0	CMUERTA	1	Linear Add	No
CIM1	CMUERTA	1	Linear Add	No
CIM1	CVIVA	1		No
CIM2	CMUERTA	1	Linear Add	No
CIM2	CVIVA	0.75		No
CIM2	EX	0.525		No
CIM2	EY	0.1575		No
DIS0	CMUERTA	1.4	Linear Add	No
DIS1	CVIVA	1.6	Linear Add	No
DIS1	CMUERTA	1.2		No
DIS2	CMUERTA	1.2	Linear Add	No
DIS2	CVIVA	1		No
DIS2	EX	1		No
DIS2	EY	0.3		No
ENVCIM	CIM0	1	Envelope	No
ENVCIM	CIM1	1		No
ENVCIM	CIM2	1		No
ENVCIM	CIM3	1		No
ENVCIM	CIM4	1		No
ENVCIM	CIM5	1		No
ENVVG	DIS0	1	Envelope	No
ENVVG	DIS1	1		No
ENVVG	DIS3	1		No
ENVVG	DIS4	1		No
ENVVG	DIS5	1		No
ENVVGT	DIS0	1	Envelope	No
ENVVGT	DIS1	1		No
DIS3	CMUERTA	1.2	Linear Add	No
DIS3	CVIVA	1		No

Table 4.10 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
DIS3	EX	0.3		No
DIS3	EY	1		No
DIS4	CMUERTA	0.9	Linear Add	No
DIS4	EX	1		No
DIS4	EY	0.3		No
DIS5	CMUERTA	0.9	Linear Add	No
DIS5	EX	0.3		No
DIS5	EY	1		No
DER1	CMUERTA	1	Linear Add	No
DER1	CVIVA	1		No
DER2	CMUERTA	1	Linear Add	No
DER2	CVIVA	0.75		No
DER2	DERX	0.75		No
DER2	DERY	0.225		No
DER3	CMUERTA	1	Linear Add	No
DER3	CVIVA	0.75		No
DER3	DERX	0.225		No
DER3	DERY	0.75		No
DER4	CMUERTA	0.6	Linear Add	No
DER4	DERX	1		No
DER4	DERY	0.3		No
DER5	CMUERTA	0.6	Linear Add	No
DER5	DERX	0.3		No
DER5	DERY	1		No
CIM3	CMUERTA	1	Linear Add	No
CIM3	CVIVA	0.75		No
CIM3	EX	0.1575		No
CIM3	EY	0.525		No
CIM4	CMUERTA	0.6	Linear Add	No
CIM4	EX	0.7		No
CIM4	EY	0.21		No
CIM5	CMUERTA	0.6	Linear Add	No
CIM5	EX	0.21		No
CIM5	EY	0.7		No
EX	SXSPC	0.296	Linear Add	No
EY	SXSPC	0.296	Linear Add	No
SERVICIO	CMUERTA	1	Linear Add	No
SERVICIO	CVIVA	1		No

5 Analysis Results

This chapter provides analysis results.

5.1 Structure Results

Table 5.1 - 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
PPROPIO	0	0	217.6	3324.0151	-2300.6412	0	0	0	0
ACABADOS	0	0	19.4403	285.8447	-205.0357	0	0	0	0
CIELOFALSO	0	0	25.3629	393.5155	-285.5733	0	0	0	0
ANTEPECHO	0	0	0	0	0	0	0	0	0
VIVA	0	0	37.832	565.811	-407.3867	0	0	0	0
IMP	0	0	2.8339	39.1581	-27.6849	0	0	0	0
ESCALERA	0	0	0	0	0	0	0	0	0
SXSPC Max	37.4993	29.7794	0	126.1833	158.7327	607.1925	0	0	0
SYSPC Max	31.8231	35.7685	0	151.7166	134.4781	605.8929	0	0	0
SISMOX	-53.2239	0	0	0	-225.4861	798.7013	0	0	0
SISMOY	0	-53.2239	0	225.4861	0	-569.6182	0	0	0
DERX Max	61.5386	48.8698	0	207.0744	260.49	996.4399	0	0	0
DERY Max	51.51	57.8962	0	245.5743	217.6714	980.7215	0	0	0
UMBX Max	15.0333	12.14	0	51.4394	63.8623	253.726	0	0	0
UMBY Max	12.14	11.9849	0	50.8838	51.4715	242.2098	0	0	0
PARTICIONES	0	0	0	0	0	0	0	0	0
VIENTOX	0	0	0	0	0	0	0	0	0
VIENTOY	0	0	0	0	0	0	0	0	0
CMUERTA	0	0	265.2371	4042.5334	-2818.935	0	0	0	0
CVIVA	0	0	37.832	565.811	-407.3867	0	0	0	0
DER0	0	0	265.2371	4042.5334	-2818.935	0	0	0	0
CIM0	0	0	265.2371	4042.5334	-2818.935	0	0	0	0
CIM1	0	0	303.0692	4608.3444	-3226.3217	0	0	0	0
CIM2 Max	7.5756	6.016	293.6112	4492.3832	-3092.4079	122.665	0	0	0
CIM2 Min	-7.5756	-6.016	293.6112	4441.4001	-3156.5422	-122.665	0	0	0
DIS0	0	0	371.332	5659.5468	-3946.509	0	0	0	0
DIS1	0	0	378.8158	5756.3377	-4034.5408	0	0	0	0
DIS2 Max	14.4297	11.4591	356.1166	5465.4064	-3729.0284	233.6477	0	0	0
DIS2 Min	-14.4297	-11.4591	356.1166	5368.2958	-3851.1891	-233.6477	0	0	0
ENVCIM Max	10.1008	8.0214	303.0692	4608.3444	-1648.6048	163.5534	0	0	0
ENVCIM Min	-10.1008	-8.0214	159.1423	2391.5313	-3226.3217	-163.5534	0	0	0
ENVVG Max	14.4297	11.4591	378.8158	5756.3377	-2475.9612	233.6477	0	0	0
ENVVG Min	-14.4297	-11.4591	238.7134	3589.7248	-4034.5408	-233.6477	0	0	0
ENVVGT Max	0	0	378.8158	5756.3377	-3946.509	0	0	0	0
ENVVGT Min	0	0	371.332	5659.5468	-4034.5408	0	0	0	0
DIS3 Max	14.4297	11.4591	356.1166	5465.4064	-3729.0284	233.6477	0	0	0
DIS3 Min	-14.4297	-11.4591	356.1166	5368.2958	-3851.1891	-233.6477	0	0	0
DIS4 Max	14.4297	11.4591	238.7134	3686.8354	-2475.9612	233.6477	0	0	0
DIS4 Min	-14.4297	-11.4591	238.7134	3589.7248	-2598.1219	-233.6477	0	0	0
DIS5 Max	14.4297	11.4591	238.7134	3686.8354	-2475.9612	233.6477	0	0	0
DIS5 Min	-14.4297	-11.4591	238.7134	3589.7248	-2598.1219	-233.6477	0	0	0
DER1	0	0	303.0692	4608.3444	-3226.3217	0	0	0	0
DER2 Max	57.7437	49.679	293.6112	4677.4517	-2880.1315	967.9923	0	0	0
DER2 Min	-57.7437	-49.679	293.6112	4256.3317	-3368.8186	-967.9923	0	0	0
DER3 Max	52.4787	54.4179	293.6112	4697.6642	-2902.6112	959.7401	0	0	0

Table 5.1 - Base Reactions (continued)

Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
DER3 Min	-52.4787	-54.4179	293.6112	4236.1192	-3346.3389	-959.7401	0	0	0
DER4 Max	76.9916	66.2386	159.1423	2706.2668	-1365.5696	1290.6564	0	0	0
DER4 Min	-76.9916	-66.2386	159.1423	2144.7733	-2017.1524	-1290.6564	0	0	0
DER5 Max	69.9716	72.5572	159.1423	2733.2167	-1395.5426	1279.6534	0	0	0
DER5 Min	-69.9716	-72.5572	159.1423	2117.8234	-1987.1794	-1279.6534	0	0	0
CIM3 Max	7.5756	6.016	293.6112	4492.3832	-3092.4079	122.665	0	0	0
CIM3 Min	-7.5756	-6.016	293.6112	4441.4001	-3156.5422	-122.665	0	0	0
CIM4 Max	10.1008	8.0214	159.1423	2459.5088	-1648.6048	163.5534	0	0	0
CIM4 Min	-10.1008	-8.0214	159.1423	2391.5313	-1734.1172	-163.5534	0	0	0
CIM5 Max	10.1008	8.0214	159.1423	2459.5088	-1648.6048	163.5534	0	0	0
CIM5 Min	-10.1008	-8.0214	159.1423	2391.5313	-1734.1172	-163.5534	0	0	0
EX Max	11.0998	8.8147	0	37.3502	46.9849	179.729	0	0	0
EX Min	-11.0998	-8.8147	0	-37.3502	-46.9849	-179.729	0	0	0
EY Max	11.0998	8.8147	0	37.3502	46.9849	179.729	0	0	0
EY Min	-11.0998	-8.8147	0	-37.3502	-46.9849	-179.729	0	0	0
SERVICIO	0	0	303.0692	4608.3444	-3226.3217	0	0	0	0

5.2 Story Results

Table 5.2 - Story Drifts

Story	Load Case/Combo	Direction	Drift	Label	X m	Y m	Z m
Story2	PPROPIO	X	0.000469	35	21.9512	24.8938	4.4
Story2	PPROPIO	Y	0.000245	18	6.3262	32.5196	4.4
Story2	ACABADOS	X	4.3E-05	35	21.9512	24.8938	4.4
Story2	ACABADOS	Y	3.3E-05	17	17.1653	25.1682	4.4
Story2	CIELOFALSO	X	3.7E-05	3	16.224	-3.3888	4.4
Story2	CIELOFALSO	Y	3.4E-05	10	5.4828	6.1646	4.4
Story2	VIVA	X	7.1E-05	35	21.9512	24.8938	4.4
Story2	VIVA	Y	5.5E-05	17	17.1653	25.1682	4.4
Story2	IMP	X	1E-05	35	21.9512	24.8938	4.4
Story2	IMP	Y	7E-06	17	17.1653	25.1682	4.4
Story2	SXSPC Max	X	0.001321	41	0.1233	6.007	4.4
Story2	SXSPC Max	Y	0.001081	41	0.1233	6.007	4.4
Story2	SYSPC Max	X	0.001109	41	0.1233	6.007	4.4
Story2	SYSPC Max	Y	0.00129	20	14.3474	32.5196	4.4
Story2	SISMOX	X	0.001224	41	0.1233	6.007	4.4
Story2	SISMOX	Y	0.000837	15	2.5686	8.7564	4.4
Story2	SISMOY	X	0.000732	15	2.5686	8.7564	4.4
Story2	SISMOY	Y	0.001179	20	14.3474	32.5196	4.4
Story2	DERX Max	X	0.002168	41	0.1233	6.007	4.4
Story2	DERX Max	Y	0.001773	41	0.1233	6.007	4.4
Story2	DERY Max	X	0.001796	41	0.1233	6.007	4.4
Story2	DERY Max	Y	0.002088	20	14.3474	32.5196	4.4
Story2	UMBX Max	X	0.000599	41	0.1233	6.007	4.4
Story2	UMBX Max	Y	0.000491	41	0.1233	6.007	4.4
Story2	UMBY Max	X	0.000476	41	0.1233	6.007	4.4
Story2	UMBY Max	Y	0.000465	20	14.3474	32.5196	4.4
Story2	CMUERTA	X	0.000549	35	21.9512	24.8938	4.4
Story2	CMUERTA	Y	0.0003	17	17.1653	25.1682	4.4

Table 5.2 - Story Drifts (continued)

Story	Load Case/Combo	Direction	Drift	Label	X m	Y m	Z m
Story2	CVIVA	X	7.1E-05	35	21.9512	24.8938	4.4
Story2	CVIVA	Y	5.5E-05	17	17.1653	25.1682	4.4
Story2	DER0	X	0.000549	35	21.9512	24.8938	4.4
Story2	DER0	Y	0.0003	17	17.1653	25.1682	4.4
Story2	CIM0	X	0.000549	35	21.9512	24.8938	4.4
Story2	CIM0	Y	0.0003	17	17.1653	25.1682	4.4
Story2	CIM1	X	0.00062	35	21.9512	24.8938	4.4
Story2	CIM1	Y	0.000355	17	17.1653	25.1682	4.4
Story2	CIM2 Max	X	0.000516	35	21.9512	24.8938	4.4
Story2	CIM2 Max	Y	0.000404	36	0	0	4.4
Story2	CIM2 Min	X	0.000688	35	21.9512	24.8938	4.4
Story2	CIM2 Min	Y	0.000423	17	17.1653	25.1682	4.4
Story2	DIS0	X	0.000769	35	21.9512	24.8938	4.4
Story2	DIS0	Y	0.00042	17	17.1653	25.1682	4.4
Story2	DIS1	X	0.000772	35	21.9512	24.8938	4.4
Story2	DIS1	Y	0.000448	17	17.1653	25.1682	4.4
Story2	DIS2 Max	Y	0.00062	36	0	0	4.4
Story2	DIS2 Min	X	0.000894	35	21.9512	24.8938	4.4
Story2	DIS2 Min	Y	0.000571	17	17.1653	25.1682	4.4
Story2	ENVCIM Max	X	0.000394	41	0.1233	6.007	4.4
Story2	ENVCIM Max	Y	0.000404	36	0	0	4.4
Story2	ENVCIM Min	X	0.000688	35	21.9512	24.8938	4.4
Story2	ENVCIM Min	Y	0.000423	17	17.1653	25.1682	4.4
Story2	ENVVG Max	X	0.0006	41	0.1233	6.007	4.4
Story2	ENVVG Max	Y	0.00062	36	0	0	4.4
Story2	ENVVG Min	X	0.000894	35	21.9512	24.8938	4.4
Story2	ENVVG Min	Y	0.000571	17	17.1653	25.1682	4.4
Story2	ENVVGT Max	X	0.000769	35	21.9512	24.8938	4.4
Story2	ENVVGT Max	Y	0.00042	17	17.1653	25.1682	4.4
Story2	ENVVGT Min	X	0.000772	35	21.9512	24.8938	4.4
Story2	ENVVGT Min	Y	0.000448	17	17.1653	25.1682	4.4
Story2	DIS3 Max	Y	0.00062	36	0	0	4.4
Story2	DIS3 Min	X	0.000894	35	21.9512	24.8938	4.4
Story2	DIS3 Min	Y	0.000571	17	17.1653	25.1682	4.4
Story2	DIS4 Max	X	0.000565	41	0.1233	6.007	4.4
Story2	DIS4 Max	Y	0.00054	36	0	0	4.4
Story2	DIS4 Min	X	0.000659	35	21.9512	24.8938	4.4
Story2	DIS4 Min	Y	0.000452	41	0.1233	6.007	4.4
Story2	DIS5 Max	X	0.000565	41	0.1233	6.007	4.4
Story2	DIS5 Max	Y	0.00054	36	0	0	4.4
Story2	DIS5 Min	X	0.000659	35	21.9512	24.8938	4.4
Story2	DIS5 Min	Y	0.000452	41	0.1233	6.007	4.4
Story2	DER1	X	0.00062	35	21.9512	24.8938	4.4
Story2	DER1	Y	0.000355	17	17.1653	25.1682	4.4
Story2	DER2 Max	X	0.002106	41	0.1233	6.007	4.4
Story2	DER2 Max	Y	0.001656	15	2.5686	8.7564	4.4
Story2	DER2 Min	X	0.001955	41	0.1233	6.007	4.4
Story2	DER2 Min	Y	0.001715	41	0.1233	6.007	4.4
Story2	DER3 Max	X	0.00191	41	0.1233	6.007	4.4

Table 5.2 - Story Drifts (continued)

Story	Load Case/Combo	Direction	Drift	Label	X m	Y m	Z m
Story2	DER3 Max	Y	0.001767	20	14.3474	32.5196	4.4
Story2	DER3 Min	X	0.001759	41	0.1233	6.007	4.4
Story2	DER3 Min	Y	0.001823	20	14.3474	32.5196	4.4
Story2	DER4 Max	X	0.002745	41	0.1233	6.007	4.4
Story2	DER4 Max	Y	0.002204	15	2.5686	8.7564	4.4
Story2	DER4 Min	X	0.002669	41	0.1233	6.007	4.4
Story2	DER4 Min	Y	0.002244	41	0.1233	6.007	4.4
Story2	DER5 Max	X	0.002484	41	0.1233	6.007	4.4
Story2	DER5 Max	Y	0.002375	20	14.3474	32.5196	4.4
Story2	DER5 Min	X	0.002408	41	0.1233	6.007	4.4
Story2	DER5 Min	Y	0.002411	20	14.3474	32.5196	4.4
Story2	CIM3 Max	X	0.000516	35	21.9512	24.8938	4.4
Story2	CIM3 Max	Y	0.000404	36	0	0	4.4
Story2	CIM3 Min	X	0.000688	35	21.9512	24.8938	4.4
Story2	CIM3 Min	Y	0.000423	17	17.1653	25.1682	4.4
Story2	CIM4 Max	X	0.000394	41	0.1233	6.007	4.4
Story2	CIM4 Max	Y	0.000372	36	0	0	4.4
Story2	CIM4 Min	X	0.000444	35	21.9512	24.8938	4.4
Story2	CIM4 Min	Y	0.000315	41	0.1233	6.007	4.4
Story2	CIM5 Max	X	0.000394	41	0.1233	6.007	4.4
Story2	CIM5 Max	Y	0.000372	36	0	0	4.4
Story2	CIM5 Min	X	0.000444	35	21.9512	24.8938	4.4
Story2	CIM5 Min	Y	0.000315	41	0.1233	6.007	4.4
Story2	EX Max	X	0.000391	41	0.1233	6.007	4.4
Story2	EX Max	Y	0.00032	41	0.1233	6.007	4.4
Story2	EX Min	X	0.000391	41	0.1233	6.007	4.4
Story2	EX Min	Y	0.00032	41	0.1233	6.007	4.4
Story2	EY Max	X	0.000391	41	0.1233	6.007	4.4
Story2	EY Max	Y	0.00032	41	0.1233	6.007	4.4
Story2	EY Min	X	0.000391	41	0.1233	6.007	4.4
Story2	EY Min	Y	0.00032	41	0.1233	6.007	4.4
Story2	SERVICIO	X	0.00062	35	21.9512	24.8938	4.4
Story2	SERVICIO	Y	0.000355	17	17.1653	25.1682	4.4
Story1	PPROPIO	X	0.000166	35	21.9512	24.8938	3.5
Story1	PPROPIO	Y	8.4E-05	18	6.3262	32.5196	3.5
Story1	ACABADOS	X	1.7E-05	35	21.9512	24.8938	3.5
Story1	ACABADOS	Y	8E-06	23	21.9512	32.5196	3.5
Story1	CIELOFALSO	X	1.3E-05	4	23.5012	4.7934	3.5
Story1	CIELOFALSO	Y	1.2E-05	4	23.5012	4.7934	3.5
Story1	VIVA	X	2.9E-05	35	21.9512	24.8938	3.5
Story1	VIVA	Y	1.5E-05	4	23.5012	4.7934	3.5
Story1	IMP	X	4E-06	35	21.9512	24.8938	3.5
Story1	IMP	Y	2E-06	12	12.5772	14.1412	3.5
Story1	SXSPC Max	X	0.00108	36	0	0	3.5
Story1	SXSPC Max	Y	0.000969	8	12.6934	-0.2486	3.5
Story1	SYSPC Max	X	0.000988	9	9.0694	2.9746	3.5
Story1	SYSPC Max	Y	0.000928	8	12.6934	-0.2486	3.5
Story1	SISMOX	X	0.001114	9	9.0694	2.9746	3.5
Story1	SISMOX	Y	0.000429	36	0	0	3.5

Table 5.2 - Story Drifts (continued)

Story	Load Case/Combo	Direction	Drift	Label	X m	Y m	Z m
Story1	SISMOY	X	0.000395	10	5.4828	6.1646	3.5
Story1	SISMOY	Y	0.000977	8	12.6934	-0.2486	3.5
Story1	DERX Max	X	0.001772	36	0	0	3.5
Story1	DERX Max	Y	0.00159	8	12.6934	-0.2486	3.5
Story1	DERY Max	X	0.001599	9	9.0694	2.9746	3.5
Story1	DERY Max	Y	0.001501	8	12.6934	-0.2486	3.5
Story1	UMBX Max	X	0.00049	36	0	0	3.5
Story1	UMBX Max	Y	0.000438	8	12.6934	-0.2486	3.5
Story1	UMBY Max	X	0.000417	9	9.0694	2.9746	3.5
Story1	UMBY Max	Y	0.000347	8	12.6934	-0.2486	3.5
Story1	CMUERTA	X	0.000199	35	21.9512	24.8938	3.5
Story1	CVIVA	X	2.9E-05	35	21.9512	24.8938	3.5
Story1	CVIVA	Y	1.5E-05	4	23.5012	4.7934	3.5
Story1	DER0	X	0.000199	35	21.9512	24.8938	3.5
Story1	CIM0	X	0.000199	35	21.9512	24.8938	3.5
Story1	CIM1	X	0.000228	35	21.9512	24.8938	3.5
Story1	CIM2 Max	X	0.000316	35	21.9512	24.8938	3.5
Story1	CIM2 Max	Y	0.000178	8	12.6934	-0.2486	3.5
Story1	CIM2 Min	X	0.000239	36	0	0	3.5
Story1	CIM2 Min	Y	0.000225	36	0	0	3.5
Story1	DIS0	X	0.000279	35	21.9512	24.8938	3.5
Story1	DIS1	X	0.000285	35	21.9512	24.8938	3.5
Story1	DIS2 Max	X	0.000449	35	21.9512	24.8938	3.5
Story1	DIS2 Max	Y	0.000351	8	12.6934	-0.2486	3.5
Story1	DIS2 Min	X	0.00044	36	0	0	3.5
Story1	DIS2 Min	Y	0.000395	8	12.6934	-0.2486	3.5
Story1	ENVCIM Max	X	0.000316	35	21.9512	24.8938	3.5
Story1	ENVCIM Max	Y	0.000253	8	12.6934	-0.2486	3.5
Story1	ENVCIM Min	X	0.000303	36	0	0	3.5
Story1	ENVCIM Min	Y	0.000269	8	12.6934	-0.2486	3.5
Story1	ENVVG Max	X	0.000449	35	21.9512	24.8938	3.5
Story1	ENVVG Max	Y	0.00036	8	12.6934	-0.2486	3.5
Story1	ENVVG Min	X	0.00044	36	0	0	3.5
Story1	ENVVG Min	Y	0.000395	8	12.6934	-0.2486	3.5
Story1	ENVVGT Max	X	0.000285	35	21.9512	24.8938	3.5
Story1	ENVVGT Min	X	0.000279	35	21.9512	24.8938	3.5
Story1	DIS3 Max	X	0.000449	35	21.9512	24.8938	3.5
Story1	DIS3 Max	Y	0.000351	8	12.6934	-0.2486	3.5
Story1	DIS3 Min	X	0.00044	36	0	0	3.5
Story1	DIS3 Min	Y	0.000395	8	12.6934	-0.2486	3.5
Story1	DIS4 Max	X	0.00042	9	9.0694	2.9746	3.5
Story1	DIS4 Max	Y	0.00036	8	12.6934	-0.2486	3.5
Story1	DIS4 Min	X	0.000434	36	0	0	3.5
Story1	DIS4 Min	Y	0.000385	8	12.6934	-0.2486	3.5
Story1	DIS5 Max	X	0.00042	9	9.0694	2.9746	3.5
Story1	DIS5 Max	Y	0.00036	8	12.6934	-0.2486	3.5
Story1	DIS5 Min	X	0.000434	36	0	0	3.5
Story1	DIS5 Min	Y	0.000385	8	12.6934	-0.2486	3.5
Story1	DER1	X	0.000228	35	21.9512	24.8938	3.5

Table 5.2 - Story Drifts (continued)

Story	Load Case/Combo	Direction	Drift	Label	X m	Y m	Z m
Story1	DER2 Max	X	0.001692	9	9.0694	2.9746	3.5
Story1	DER2 Max	Y	0.001512	8	12.6934	-0.2486	3.5
Story1	DER2 Min	X	0.001688	36	0	0	3.5
Story1	DER2 Min	Y	0.001548	8	12.6934	-0.2486	3.5
Story1	DER3 Max	X	0.001608	9	9.0694	2.9746	3.5
Story1	DER3 Max	Y	0.001466	8	12.6934	-0.2486	3.5
Story1	DER3 Min	X	0.001583	9	9.0694	2.9746	3.5
Story1	DER3 Min	Y	0.001502	8	12.6934	-0.2486	3.5
Story1	DER4 Max	X	0.002245	9	9.0694	2.9746	3.5
Story1	DER4 Max	Y	0.002032	8	12.6934	-0.2486	3.5
Story1	DER4 Min	X	0.002236	36	0	0	3.5
Story1	DER4 Min	Y	0.002049	8	12.6934	-0.2486	3.5
Story1	DER5 Max	X	0.002132	9	9.0694	2.9746	3.5
Story1	DER5 Max	Y	0.00197	8	12.6934	-0.2486	3.5
Story1	DER5 Min	X	0.002122	9	9.0694	2.9746	3.5
Story1	DER5 Min	Y	0.001987	8	12.6934	-0.2486	3.5
Story1	CIM3 Max	X	0.000316	35	21.9512	24.8938	3.5
Story1	CIM3 Max	Y	0.000178	8	12.6934	-0.2486	3.5
Story1	CIM3 Min	X	0.000239	36	0	0	3.5
Story1	CIM3 Min	Y	0.000225	36	0	0	3.5
Story1	CIM4 Max	X	0.000294	9	9.0694	2.9746	3.5
Story1	CIM4 Max	Y	0.000253	8	12.6934	-0.2486	3.5
Story1	CIM4 Min	X	0.000303	36	0	0	3.5
Story1	CIM4 Min	Y	0.000269	8	12.6934	-0.2486	3.5
Story1	CIM5 Max	X	0.000294	9	9.0694	2.9746	3.5
Story1	CIM5 Max	Y	0.000253	8	12.6934	-0.2486	3.5
Story1	CIM5 Min	X	0.000303	36	0	0	3.5
Story1	CIM5 Min	Y	0.000269	8	12.6934	-0.2486	3.5
Story1	EX Max	X	0.00032	36	0	0	3.5
Story1	EX Max	Y	0.000287	8	12.6934	-0.2486	3.5
Story1	EX Min	X	0.00032	36	0	0	3.5
Story1	EX Min	Y	0.000287	8	12.6934	-0.2486	3.5
Story1	EY Max	X	0.00032	36	0	0	3.5
Story1	EY Max	Y	0.000287	8	12.6934	-0.2486	3.5
Story1	EY Min	X	0.00032	36	0	0	3.5
Story1	EY Min	Y	0.000287	8	12.6934	-0.2486	3.5
Story1	SERVICIO	X	0.000228	35	21.9512	24.8938	3.5

Table 5.3 - Story Forces

Story	Load Case/Combo	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	PPROPIO	Top	141.3162	0	0	0	2019.378	-1544.875
Story2	PPROPIO	Bottom	151.5978	0	0	0	2182.1117	-1669.8669
Story2	ACABADOS	Top	17.9523	0	0	0	257.2916	-200.4487
Story2	ACABADOS	Bottom	17.9523	0	0	0	257.2916	-200.4487
Story2	CIELOFALSO	Top	21.6428	0	0	0	322.1329	-274.106
Story2	CIELOFALSO	Bottom	21.6428	0	0	0	322.1329	-274.106
Story2	ANTEPECHO	Top	0	0	0	0	0	0
Story2	ANTEPECHO	Bottom	0	0	0	0	0	0

Table 5.3 - Story Forces (continued)

Story	Load Case/Combo	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	VIVA	Top	34.112	0	0	0	494.4284	-395.9194
Story2	VIVA	Bottom	34.112	0	0	0	494.4284	-395.9194
Story2	IMP	Top	2.8339	0	0	0	39.1581	-27.6849
Story2	IMP	Bottom	2.8339	0	0	0	39.1581	-27.6849
Story2	ESCALERA	Top	0	0	0	0	0	0
Story2	ESCALERA	Bottom	0	0	0	0	0	0
Story2	SXSPC Max	Top	0	30.5934	24.3985	491.7252	0	0
Story2	SXSPC Max	Bottom	0	30.5934	24.3985	491.7252	21.9587	27.534
Story2	SYSPC Max	Top	0	25.7346	29.485	499.9433	0	0
Story2	SYSPC Max	Bottom	0	25.7346	29.485	499.9433	26.5365	23.1611
Story2	SISMOX	Top	0	-43.5583	0	627.8921	0	0
Story2	SISMOX	Bottom	0	-43.5583	0	627.8921	0	-39.2025
Story2	SISMOY	Top	0	0	-43.5583	-487.2823	0	0
Story2	SISMOY	Bottom	0	0	-43.5583	-487.2823	39.2025	0
Story2	DERX Max	Top	0	50.2056	40.0394	806.9511	0	0
Story2	DERX Max	Bottom	0	50.2056	40.0394	806.9511	36.0355	45.185
Story2	DERY Max	Top	0	41.655	47.7255	809.2275	0	0
Story2	DERY Max	Bottom	0	41.655	47.7255	809.2275	42.953	37.4895
Story2	UMBX Max	Top	0	12.5106	9.9448	209.7799	0	0
Story2	UMBX Max	Bottom	0	12.5106	9.9448	209.7799	8.9503	11.2596
Story2	UMBY Max	Top	0	10.0033	9.9354	200.0141	0	0
Story2	UMBY Max	Bottom	0	10.0033	9.9354	200.0141	8.9418	9.003
Story2	PARTICIONES	Top	0	0	0	0	0	0
Story2	PARTICIONES	Bottom	0	0	0	0	0	0
Story2	VIENTOX	Top	0	0	0	0	0	0
Story2	VIENTOX	Bottom	0	0	0	0	0	0
Story2	VIENTOY	Top	0	0	0	0	0	0
Story2	VIENTOY	Bottom	0	0	0	0	0	0
Story2	CMUERTA	Top	183.7452	0	0	0	2637.9605	-2047.1146
Story2	CMUERTA	Bottom	194.0268	0	0	0	2800.6943	-2172.1064
Story2	CVIVA	Top	34.112	0	0	0	494.4284	-395.9194
Story2	CVIVA	Bottom	34.112	0	0	0	494.4284	-395.9194
Story2	DER0	Top	183.7452	0	0	0	2637.9605	-2047.1146
Story2	DER0	Bottom	194.0268	0	0	0	2800.6943	-2172.1064
Story2	CIM0	Top	183.7452	0	0	0	2637.9605	-2047.1146
Story2	CIM0	Bottom	194.0268	0	0	0	2800.6943	-2172.1064
Story2	CIM1	Top	217.8572	0	0	0	3132.3889	-2443.034
Story2	CIM1	Bottom	228.1388	0	0	0	3295.1227	-2568.0258
Story2	CIM2 Max	Top	209.3292	6.1805	4.929	99.3383	3008.7818	-2344.0541
Story2	CIM2 Max	Bottom	219.6108	6.1805	4.929	99.3383	3175.9517	-2463.4835
Story2	CIM2 Min	Top	209.3292	-6.1805	-4.929	-99.3383	3008.7818	-2344.0541
Story2	CIM2 Min	Bottom	219.6108	-6.1805	-4.929	-99.3383	3167.0795	-2474.6084
Story2	DIS0	Top	257.2433	0	0	0	3693.1447	-2865.9604
Story2	DIS0	Bottom	271.6375	0	0	0	3920.972	-3040.949
Story2	DIS1	Top	275.0734	0	0	0	3956.638	-3090.0085
Story2	DIS1	Bottom	287.4113	0	0	0	4151.9186	-3239.9987
Story2	DIS2 Max	Top	254.6062	11.7723	9.3885	189.2159	3659.981	-2852.4569
Story2	DIS2 Max	Bottom	266.9441	11.7723	9.3885	189.2159	3863.7112	-2991.852
Story2	DIS2 Min	Top	254.6062	-11.7723	-9.3885	-189.2159	3659.981	-2852.4569

Table 5.3 - Story Forces (continued)

Story	Load Case/Combo	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	DIS2 Min	Bottom	266.9441	-11.7723	-9.3885	-189.2159	3846.8118	-3013.0422
Story2	ENVCIM Max	Top	217.8572	8.2406	6.572	132.4511	3132.3889	-1228.2688
Story2	ENVCIM Max	Bottom	228.1388	8.2406	6.572	132.4511	3295.1227	-1295.8473
Story2	ENVCIM Min	Top	110.2471	-8.2406	-6.572	-132.4511	1582.7763	-2443.034
Story2	ENVCIM Min	Bottom	116.4161	-8.2406	-6.572	-132.4511	1674.5018	-2568.0258
Story2	ENVVG Max	Top	275.0734	11.7723	9.3885	189.2159	3956.638	-1842.4031
Story2	ENVVG Max	Bottom	287.4113	11.7723	9.3885	189.2159	4151.9186	-1944.3007
Story2	ENVVG Min	Top	165.3707	-11.7723	-9.3885	-189.2159	2374.1645	-3090.0085
Story2	ENVVG Min	Bottom	174.6241	-11.7723	-9.3885	-189.2159	2512.1752	-3239.9987
Story2	ENNVGT Max	Top	275.0734	0	0	0	3956.638	-2865.9604
Story2	ENNVGT Max	Bottom	287.4113	0	0	0	4151.9186	-3040.949
Story2	ENNVGT Min	Top	257.2433	0	0	0	3693.1447	-3090.0085
Story2	ENNVGT Min	Bottom	271.6375	0	0	0	3920.972	-3239.9987
Story2	DIS3 Max	Top	254.6062	11.7723	9.3885	189.2159	3659.981	-2852.4569
Story2	DIS3 Max	Bottom	266.9441	11.7723	9.3885	189.2159	3863.7112	-2991.852
Story2	DIS3 Min	Top	254.6062	-11.7723	-9.3885	-189.2159	3659.981	-2852.4569
Story2	DIS3 Min	Bottom	266.9441	-11.7723	-9.3885	-189.2159	3846.8118	-3013.0422
Story2	DIS4 Max	Top	165.3707	11.7723	9.3885	189.2159	2374.1645	-1842.4031
Story2	DIS4 Max	Bottom	174.6241	11.7723	9.3885	189.2159	2529.0746	-1944.3007
Story2	DIS4 Min	Top	165.3707	-11.7723	-9.3885	-189.2159	2374.1645	-1842.4031
Story2	DIS4 Min	Bottom	174.6241	-11.7723	-9.3885	-189.2159	2512.1752	-1965.4909
Story2	DIS5 Max	Top	165.3707	11.7723	9.3885	189.2159	2374.1645	-1842.4031
Story2	DIS5 Max	Bottom	174.6241	11.7723	9.3885	189.2159	2529.0746	-1944.3007
Story2	DIS5 Min	Top	165.3707	-11.7723	-9.3885	-189.2159	2374.1645	-1842.4031
Story2	DIS5 Min	Bottom	174.6241	-11.7723	-9.3885	-189.2159	2512.1752	-1965.4909
Story2	DER1	Top	217.8572	0	0	0	3132.3889	-2443.034
Story2	DER1	Bottom	228.1388	0	0	0	3295.1227	-2568.0258
Story2	DER2 Max	Top	209.3292	47.0265	40.7678	787.2895	3008.7818	-2344.0541
Story2	DER2 Max	Bottom	219.6108	47.0265	40.7678	787.2895	3208.2066	-2426.7221
Story2	DER2 Min	Top	209.3292	-47.0265	-40.7678	-787.2895	3008.7818	-2344.0541
Story2	DER2 Min	Bottom	219.6108	-47.0265	-40.7678	-787.2895	3134.8245	-2511.3698
Story2	DER3 Max	Top	209.3292	42.5375	44.803	788.4846	3008.7818	-2344.0541
Story2	DER3 Max	Bottom	219.6108	42.5375	44.803	788.4846	3211.8383	-2430.7622
Story2	DER3 Min	Top	209.3292	-42.5375	-44.803	-788.4846	3008.7818	-2344.0541
Story2	DER3 Min	Bottom	219.6108	-42.5375	-44.803	-788.4846	3131.1928	-2507.3297
Story2	DER4 Max	Top	110.2471	62.7021	54.3571	1049.7194	1582.7763	-1228.2688
Story2	DER4 Max	Bottom	116.4161	62.7021	54.3571	1049.7194	1729.338	-1246.832
Story2	DER4 Min	Top	110.2471	-62.7021	-54.3571	-1049.7194	1582.7763	-1228.2688
Story2	DER4 Min	Bottom	116.4161	-62.7021	-54.3571	-1049.7194	1631.4952	-1359.6957
Story2	DER5 Max	Top	110.2471	56.7166	59.7374	1051.3128	1582.7763	-1228.2688
Story2	DER5 Max	Bottom	116.4161	56.7166	59.7374	1051.3128	1734.1802	-1252.2189
Story2	DER5 Min	Top	110.2471	-56.7166	-59.7374	-1051.3128	1582.7763	-1228.2688
Story2	DER5 Min	Bottom	116.4161	-56.7166	-59.7374	-1051.3128	1626.6529	-1354.3088
Story2	CIM3 Max	Top	209.3292	6.1805	4.929	99.3383	3008.7818	-2344.0541
Story2	CIM3 Max	Bottom	219.6108	6.1805	4.929	99.3383	3175.9517	-2463.4835
Story2	CIM3 Min	Top	209.3292	-6.1805	-4.929	-99.3383	3008.7818	-2344.0541
Story2	CIM3 Min	Bottom	219.6108	-6.1805	-4.929	-99.3383	3167.0795	-2474.6084
Story2	CIM4 Max	Top	110.2471	8.2406	6.572	132.4511	1582.7763	-1228.2688
Story2	CIM4 Max	Bottom	116.4161	8.2406	6.572	132.4511	1686.3314	-1295.8473

Table 5.3 - Story Forces (continued)

Story	Load Case/Combo	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	CIM4 Min	Top	110.2471	-8.2406	-6.572	-132.4511	1582.7763	-1228.2688
Story2	CIM4 Min	Bottom	116.4161	-8.2406	-6.572	-132.4511	1674.5018	-1310.6804
Story2	CIM5 Max	Top	110.2471	8.2406	6.572	132.4511	1582.7763	-1228.2688
Story2	CIM5 Max	Bottom	116.4161	8.2406	6.572	132.4511	1686.3314	-1295.8473
Story2	CIM5 Min	Top	110.2471	-8.2406	-6.572	-132.4511	1582.7763	-1228.2688
Story2	CIM5 Min	Bottom	116.4161	-8.2406	-6.572	-132.4511	1674.5018	-1310.6804
Story2	EX Max	Top	0	9.0556	7.222	145.5507	0	0
Story2	EX Max	Bottom	0	9.0556	7.222	145.5507	6.4998	8.1501
Story2	EX Min	Top	0	-9.0556	-7.222	-145.5507	0	0
Story2	EX Min	Bottom	0	-9.0556	-7.222	-145.5507	-6.4998	-8.1501
Story2	EY Max	Top	0	9.0556	7.222	145.5507	0	0
Story2	EY Max	Bottom	0	9.0556	7.222	145.5507	6.4998	8.1501
Story2	EY Min	Top	0	-9.0556	-7.222	-145.5507	0	0
Story2	EY Min	Bottom	0	-9.0556	-7.222	-145.5507	-6.4998	-8.1501
Story2	SERVICIO	Top	217.8572	0	0	0	3132.3889	-2443.034
Story2	SERVICIO	Bottom	228.1388	0	0	0	3295.1227	-2568.0258
Story1	PPROPIO	Top	170.434	0	0	0	2546.5874	-1781.535
Story1	PPROPIO	Bottom	217.6	0	0	0	3324.0151	-2300.6412
Story1	ACABADOS	Top	19.4403	0	0	0	285.8447	-205.0357
Story1	ACABADOS	Bottom	19.4403	0	0	0	285.8447	-205.0357
Story1	CIELOFALSO	Top	25.3629	0	0	0	393.5155	-285.5733
Story1	CIELOFALSO	Bottom	25.3629	0	0	0	393.5155	-285.5733
Story1	ANTEPECHO	Top	0	0	0	0	0	0
Story1	ANTEPECHO	Bottom	0	0	0	0	0	0
Story1	VIVA	Top	37.832	0	0	0	565.811	-407.3867
Story1	VIVA	Bottom	37.832	0	0	0	565.811	-407.3867
Story1	IMP	Top	2.8339	0	0	0	39.1581	-27.6849
Story1	IMP	Bottom	2.8339	0	0	0	39.1581	-27.6849
Story1	ESCALERA	Top	0	0	0	0	0	0
Story1	ESCALERA	Bottom	0	0	0	0	0	0
Story1	SXSPC Max	Top	0	37.4993	29.7794	607.1925	21.9587	27.534
Story1	SXSPC Max	Bottom	0	37.4993	29.7794	607.1925	126.1833	158.7327
Story1	SYSPC Max	Top	0	31.8231	35.7685	605.8929	26.5365	23.1611
Story1	SYSPC Max	Bottom	0	31.8231	35.7685	605.8929	151.7166	134.4781
Story1	SISMOX	Top	0	-53.2239	0	798.7013	0	-39.2025
Story1	SISMOX	Bottom	0	-53.2239	0	798.7013	0	-225.4861
Story1	SISMOY	Top	0	0	-53.2239	-569.6182	39.2025	0
Story1	SISMOY	Bottom	0	0	-53.2239	-569.6182	225.4861	0
Story1	DERX Max	Top	0	61.5386	48.8698	996.4399	36.0355	45.185
Story1	DERX Max	Bottom	0	61.5386	48.8698	996.4399	207.0744	260.49
Story1	DERY Max	Top	0	51.51	57.8962	980.7215	42.953	37.4895
Story1	DERY Max	Bottom	0	51.51	57.8962	980.7215	245.5743	217.6714
Story1	UMBX Max	Top	0	15.0333	12.14	253.726	8.9503	11.2596
Story1	UMBX Max	Bottom	0	15.0333	12.14	253.726	51.4394	63.8623
Story1	UMBY Max	Top	0	12.14	11.9849	242.2098	8.9418	9.003
Story1	UMBY Max	Bottom	0	12.14	11.9849	242.2098	50.8838	51.4715
Story1	PARTICIONES	Top	0	0	0	0	0	0
Story1	PARTICIONES	Bottom	0	0	0	0	0	0
Story1	VIENTOX	Top	0	0	0	0	0	0

Table 5.3 - Story Forces (continued)

Story	Load Case/Combo	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	VIENTOX	Bottom	0	0	0	0	0	0
Story1	VIENTOY	Top	0	0	0	0	0	0
Story1	VIENTOY	Bottom	0	0	0	0	0	0
Story1	CMUERTA	Top	218.0711	0	0	0	3265.1056	-2299.8289
Story1	CMUERTA	Bottom	265.2371	0	0	0	4042.5334	-2818.935
Story1	CVIVA	Top	37.832	0	0	0	565.811	-407.3867
Story1	CVIVA	Bottom	37.832	0	0	0	565.811	-407.3867
Story1	DER0	Top	218.0711	0	0	0	3265.1056	-2299.8289
Story1	DER0	Bottom	265.2371	0	0	0	4042.5334	-2818.935
Story1	CIM0	Top	218.0711	0	0	0	3265.1056	-2299.8289
Story1	CIM0	Bottom	265.2371	0	0	0	4042.5334	-2818.935
Story1	CIM1	Top	255.9032	0	0	0	3830.9167	-2707.2156
Story1	CIM1	Bottom	303.0692	0	0	0	4608.3444	-3226.3217
Story1	CIM2 Max	Top	246.4452	7.5756	6.016	122.665	3693.9	-2599.8065
Story1	CIM2 Max	Bottom	293.6112	7.5756	6.016	122.665	4492.3832	-3092.4079
Story1	CIM2 Min	Top	246.4452	-7.5756	-6.016	-122.665	3685.0278	-2610.9313
Story1	CIM2 Min	Bottom	293.6112	-7.5756	-6.016	-122.665	4441.4001	-3156.5422
Story1	DIS0	Top	305.2996	0	0	0	4571.1479	-3219.7604
Story1	DIS0	Bottom	371.332	0	0	0	5659.5468	-3946.509
Story1	DIS1	Top	322.2166	0	0	0	4823.4244	-3411.6134
Story1	DIS1	Bottom	378.8158	0	0	0	5756.3377	-4034.5408
Story1	DIS2 Max	Top	299.5174	14.4297	11.4591	233.6477	4492.3875	-3156.5863
Story1	DIS2 Max	Bottom	356.1166	14.4297	11.4591	233.6477	5465.4064	-3729.0284
Story1	DIS2 Min	Top	299.5174	-14.4297	-11.4591	-233.6477	4475.4881	-3177.7764
Story1	DIS2 Min	Bottom	356.1166	-14.4297	-11.4591	-233.6477	5368.2958	-3851.1891
Story1	ENVCIM Max	Top	255.9032	10.1008	8.0214	163.5534	3830.9167	-1372.4808
Story1	ENVCIM Max	Bottom	303.0692	10.1008	8.0214	163.5534	4608.3444	-1648.6048
Story1	ENVCIM Min	Top	130.8427	-10.1008	-8.0214	-163.5534	1953.1486	-2707.2156
Story1	ENVCIM Min	Bottom	159.1423	-10.1008	-8.0214	-163.5534	2391.5313	-3226.3217
Story1	ENVVG Max	Top	322.2166	14.4297	11.4591	233.6477	4823.4244	-2059.2509
Story1	ENVVG Max	Bottom	378.8158	14.4297	11.4591	233.6477	5756.3377	-2475.9612
Story1	ENVVG Min	Top	196.264	-14.4297	-11.4591	-233.6477	2930.1454	-3411.6134
Story1	ENVVG Min	Bottom	238.7134	-14.4297	-11.4591	-233.6477	3589.7248	-4034.5408
Story1	ENVVGT Max	Top	322.2166	0	0	0	4823.4244	-3219.7604
Story1	ENVVGT Max	Bottom	378.8158	0	0	0	5756.3377	-3946.509
Story1	ENVVGT Min	Top	305.2996	0	0	0	4571.1479	-3411.6134
Story1	ENVVGT Min	Bottom	371.332	0	0	0	5659.5468	-4034.5408
Story1	DIS3 Max	Top	299.5174	14.4297	11.4591	233.6477	4492.3875	-3156.5863
Story1	DIS3 Max	Bottom	356.1166	14.4297	11.4591	233.6477	5465.4064	-3729.0284
Story1	DIS3 Min	Top	299.5174	-14.4297	-11.4591	-233.6477	4475.4881	-3177.7764
Story1	DIS3 Min	Bottom	356.1166	-14.4297	-11.4591	-233.6477	5368.2958	-3851.1891
Story1	DIS4 Max	Top	196.264	14.4297	11.4591	233.6477	2947.0448	-2059.2509
Story1	DIS4 Max	Bottom	238.7134	14.4297	11.4591	233.6477	3686.8354	-2475.9612
Story1	DIS4 Min	Top	196.264	-14.4297	-11.4591	-233.6477	2930.1454	-2080.4411
Story1	DIS4 Min	Bottom	238.7134	-14.4297	-11.4591	-233.6477	3589.7248	-2598.1219
Story1	DIS5 Max	Top	196.264	14.4297	11.4591	233.6477	2947.0448	-2059.2509
Story1	DIS5 Max	Bottom	238.7134	14.4297	11.4591	233.6477	3686.8354	-2475.9612
Story1	DIS5 Min	Top	196.264	-14.4297	-11.4591	-233.6477	2930.1454	-2080.4411
Story1	DIS5 Min	Bottom	238.7134	-14.4297	-11.4591	-233.6477	3589.7248	-2598.1219

Table 5.3 - Story Forces (continued)

Story	Load Case/Combo	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	DER1	Top	255.9032	0	0	0	3830.9167	-2707.2156
Story1	DER1	Bottom	303.0692	0	0	0	4608.3444	-3226.3217
Story1	DER2 Max	Top	246.4452	57.7437	49.679	967.9923	3726.1549	-2563.045
Story1	DER2 Max	Bottom	293.6112	57.7437	49.679	967.9923	4677.4517	-2880.1315
Story1	DER2 Min	Top	246.4452	-57.7437	-49.679	-967.9923	3652.7729	-2647.6928
Story1	DER2 Min	Bottom	293.6112	-57.7437	-49.679	-967.9923	4256.3317	-3368.8186
Story1	DER3 Max	Top	246.4452	52.4787	54.4179	959.7401	3729.7866	-2567.0852
Story1	DER3 Max	Bottom	293.6112	52.4787	54.4179	959.7401	4697.6642	-2902.6112
Story1	DER3 Min	Top	246.4452	-52.4787	-54.4179	-959.7401	3649.1412	-2643.6526
Story1	DER3 Min	Bottom	293.6112	-52.4787	-54.4179	-959.7401	4236.1192	-3346.3389
Story1	DER4 Max	Top	130.8427	76.9916	66.2386	1290.6564	2007.9848	-1323.4655
Story1	DER4 Max	Bottom	159.1423	76.9916	66.2386	1290.6564	2706.2668	-1365.5696
Story1	DER4 Min	Top	130.8427	-76.9916	-66.2386	-1290.6564	1910.142	-1436.3292
Story1	DER4 Min	Bottom	159.1423	-76.9916	-66.2386	-1290.6564	2144.7733	-2017.1524
Story1	DER5 Max	Top	130.8427	69.9716	72.5572	1279.6534	2012.827	-1328.8524
Story1	DER5 Max	Bottom	159.1423	69.9716	72.5572	1279.6534	2733.2167	-1395.5426
Story1	DER5 Min	Top	130.8427	-69.9716	-72.5572	-1279.6534	1905.2997	-1430.9423
Story1	DER5 Min	Bottom	159.1423	-69.9716	-72.5572	-1279.6534	2117.8234	-1987.1794
Story1	CIM3 Max	Top	246.4452	7.5756	6.016	122.665	3693.9	-2599.8065
Story1	CIM3 Max	Bottom	293.6112	7.5756	6.016	122.665	4492.3832	-3092.4079
Story1	CIM3 Min	Top	246.4452	-7.5756	-6.016	-122.665	3685.0278	-2610.9313
Story1	CIM3 Min	Bottom	293.6112	-7.5756	-6.016	-122.665	4441.4001	-3156.5422
Story1	CIM4 Max	Top	130.8427	10.1008	8.0214	163.5534	1964.9782	-1372.4808
Story1	CIM4 Max	Bottom	159.1423	10.1008	8.0214	163.5534	2459.5088	-1648.6048
Story1	CIM4 Min	Top	130.8427	-10.1008	-8.0214	-163.5534	1953.1486	-1387.3139
Story1	CIM4 Min	Bottom	159.1423	-10.1008	-8.0214	-163.5534	2391.5313	-1734.1172
Story1	CIM5 Max	Top	130.8427	10.1008	8.0214	163.5534	1964.9782	-1372.4808
Story1	CIM5 Max	Bottom	159.1423	10.1008	8.0214	163.5534	2459.5088	-1648.6048
Story1	CIM5 Min	Top	130.8427	-10.1008	-8.0214	-163.5534	1953.1486	-1387.3139
Story1	CIM5 Min	Bottom	159.1423	-10.1008	-8.0214	-163.5534	2391.5313	-1734.1172
Story1	EX Max	Top	0	11.0998	8.8147	179.729	6.4998	8.1501
Story1	EX Max	Bottom	0	11.0998	8.8147	179.729	37.3502	46.9849
Story1	EX Min	Top	0	-11.0998	-8.8147	-179.729	-6.4998	-8.1501
Story1	EX Min	Bottom	0	-11.0998	-8.8147	-179.729	-37.3502	-46.9849
Story1	EY Max	Top	0	11.0998	8.8147	179.729	6.4998	8.1501
Story1	EY Max	Bottom	0	11.0998	8.8147	179.729	37.3502	46.9849
Story1	EY Min	Top	0	-11.0998	-8.8147	-179.729	-6.4998	-8.1501
Story1	EY Min	Bottom	0	-11.0998	-8.8147	-179.729	-37.3502	-46.9849
Story1	SERVICIO	Top	255.9032	0	0	0	3830.9167	-2707.2156
Story1	SERVICIO	Bottom	303.0692	0	0	0	4608.3444	-3226.3217

5.3 Point Results

Table 5.4 - 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	2	10	PPROPIO	0.0285	0.0564	2.9887	-0.0809	0.0432	-0.0027
Base	2	10	ACABADOS	-0.0045	0.0031	0.0021	-0.0052	-0.0071	-0.0013
Base	2	10	CIELOFALSO	-0.0099	0.0066	0.0054	-0.0081	-0.0124	-0.003
Base	2	10	ANTEPECHO	0	0	0	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	2	10	VIVA	-0.0106	0.0073	0.0053	-0.0107	-0.0153	-0.0032
Base	2	10	IMP	-0.0002	0.0002	-2.52E-05	-0.0006	-0.0007	-2.982E-05
Base	2	10	ESCALERA	0	0	0	0	0	0
Base	2	10	SXSPC Max	0.6823	0.6117	0.7133	1.7046	1.9922	0.1126
Base	2	10	SYSPC Max	0.6762	0.6808	0.8519	1.7783	1.8286	0.1108
Base	2	10	SISMOX	-0.7705	-0.0581	0.5922	-0.3149	-2.2362	-0.067
Base	2	10	SISMOY	-0.1061	-0.7218	0.6432	1.9758	0.1496	0.0267
Base	2	10	DERX Max	1.1197	1.0038	1.1706	2.7974	3.2693	0.1847
Base	2	10	DERY Max	1.0945	1.102	1.379	2.8784	2.9598	0.1793
Base	2	10	UMBX Max	0.3046	0.2911	0.3256	0.8063	0.8868	0.0514
Base	2	10	UMBY Max	0.2757	0.2617	0.3171	0.6936	0.765	0.0476
Base	2	10	PARTICIONES	0	0	0	0	0	0
Base	2	10	VIENTOX	0	0	0	0	0	0
Base	2	10	VIENTOY	0	0	0	0	0	0
Base	2	10	CMUERTA	0.014	0.0663	2.9962	-0.0947	0.023	-0.007
Base	2	10	CVIVA	-0.0106	0.0073	0.0053	-0.0107	-0.0153	-0.0032
Base	2	10	DER0	0.014	0.0663	2.9962	-0.0947	0.023	-0.007
Base	2	10	CIM0	0.014	0.0663	2.9962	-0.0947	0.023	-0.007
Base	2	10	CIM1	0.0034	0.0736	3.0015	-0.1055	0.0077	-0.0102
Base	2	10	CIM2 Max	0.1439	0.1953	3.1443	0.2416	0.414	0.0133
Base	2	10	CIM2 Min	-0.1318	-0.0518	2.8561	-0.4471	-0.3909	-0.0322
Base	2	10	DIS0	0.0196	0.0928	4.1947	-0.1326	0.0323	-0.0099
Base	2	10	DIS1	-0.0002	0.0912	3.604	-0.1308	0.0032	-0.0135
Base	2	10	DIS2 Max	0.2687	0.3222	3.8752	0.5315	0.7789	0.0317
Base	2	10	DIS2 Min	-0.2564	-0.1485	3.3263	-0.7803	-0.7543	-0.0549
Base	2	10	ENVCIM Max	0.1922	0.2046	3.1443	0.4023	0.5504	0.0261
Base	2	10	ENVCIM Min	-0.1754	-0.125	1.6056	-0.516	-0.5228	-0.0345
Base	2	10	ENVVG Max	0.2751	0.3222	4.1947	0.5707	0.7873	0.037
Base	2	10	ENVVG Min	-0.2564	-0.1757	2.4221	-0.7803	-0.7543	-0.0549
Base	2	10	ENVVGT Max	0.0196	0.0928	4.1947	-0.1308	0.0323	-0.0099
Base	2	10	ENVVGT Min	-0.0002	0.0912	3.604	-0.1326	0.0032	-0.0135
Base	2	10	DIS3 Max	0.2687	0.3222	3.8752	0.5315	0.7789	0.0317
Base	2	10	DIS3 Min	-0.2564	-0.1485	3.3263	-0.7803	-0.7543	-0.0549
Base	2	10	DIS4 Max	0.2751	0.2951	2.9711	0.5707	0.7873	0.037
Base	2	10	DIS4 Min	-0.25	-0.1757	2.4221	-0.7412	-0.7459	-0.0497
Base	2	10	DIS5 Max	0.2751	0.2951	2.9711	0.5707	0.7873	0.037
Base	2	10	DIS5 Min	-0.25	-0.1757	2.4221	-0.7412	-0.7459	-0.0497
Base	2	10	DER1	0.0034	0.0736	3.0015	-0.1055	0.0077	-0.0102
Base	2	10	DER2 Max	1.0921	1.0726	4.1884	2.6429	3.1295	0.1695
Base	2	10	DER2 Min	-1.08	-0.9291	1.812	-2.8485	-3.1064	-0.1883
Base	2	10	DER3 Max	1.0789	1.1241	4.2978	2.6855	2.967	0.1666
Base	2	10	DER3 Min	-1.0668	-0.9806	1.7026	-2.891	-2.9439	-0.1855
Base	2	10	DER4 Max	1.4565	1.3742	3.382	3.6041	4.171	0.2343
Base	2	10	DER4 Min	-1.4397	-1.2946	0.2134	-3.7178	-4.1434	-0.2428
Base	2	10	DER5 Max	1.4389	1.4429	3.5279	3.6608	3.9544	0.2305
Base	2	10	DER5 Min	-1.4221	-1.3633	0.0676	-3.7745	-3.9267	-0.2389
Base	2	10	CIM3 Max	0.1439	0.1953	3.1443	0.2416	0.414	0.0133
Base	2	10	CIM3 Min	-0.1318	-0.0518	2.8561	-0.4471	-0.3909	-0.0322
Base	2	10	CIM4 Max	0.1922	0.2046	1.9899	0.4023	0.5504	0.0261

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	2	10	CIM4 Min	-0.1754	-0.125	1.6056	-0.516	-0.5228	-0.0345
Base	2	10	CIM5 Max	0.1922	0.2046	1.9899	0.4023	0.5504	0.0261
Base	2	10	CIM5 Min	-0.1754	-0.125	1.6056	-0.516	-0.5228	-0.0345
Base	2	10	EX Max	0.202	0.1811	0.2111	0.5046	0.5897	0.0333
Base	2	10	EX Min	-0.202	-0.1811	-0.2111	-0.5046	-0.5897	-0.0333
Base	2	10	EY Max	0.202	0.1811	0.2111	0.5046	0.5897	0.0333
Base	2	10	EY Min	-0.202	-0.1811	-0.2111	-0.5046	-0.5897	-0.0333
Base	2	10	SERVICIO	0.0034	0.0736	3.0015	-0.1055	0.0077	-0.0102
Base	3	14	PPROPIO	-0.0727	0.0694	2.281	-0.1051	-0.1099	-0.0048
Base	3	14	ACABADOS	-0.0236	0.0198	0.222	-0.0314	-0.0372	-0.0015
Base	3	14	CIELOFALSO	-0.055	0.046	0.5501	-0.0697	-0.083	-0.0031
Base	3	14	ANTEPECHO	0	0	0	0	0	0
Base	3	14	VIVA	-0.0572	0.0478	0.5527	-0.0744	-0.0883	-0.0035
Base	3	14	IMP	-0.0005	0.0004	0.0006	-0.0011	-0.0012	-0.0001
Base	3	14	ESCALERA	0	0	0	0	0	0
Base	3	14	SXSPC Max	1.1387	0.9882	1.3064	2.4329	2.802	0.161
Base	3	14	SYSPC Max	1.007	0.9131	1.3284	2.2372	2.4657	0.153
Base	3	14	SISMOX	-1.1812	0.4004	0.2041	-1.038	-2.8976	-0.0035
Base	3	14	SISMOY	0.3317	-1.001	-1.4871	2.4481	0.8599	0.0835
Base	3	14	DERX Max	1.8687	1.6217	2.1439	3.9925	4.5983	0.2642
Base	3	14	DERY Max	1.63	1.478	2.1502	3.6212	3.9911	0.2476
Base	3	14	UMBX Max	0.5137	0.4589	0.609	1.1284	1.2633	0.0684
Base	3	14	UMBY Max	0.432	0.366	0.5061	0.8976	1.0579	0.0577
Base	3	14	PARTICIONES	0	0	0	0	0	0
Base	3	14	VIENTOX	0	0	0	0	0	0
Base	3	14	VIENTOY	0	0	0	0	0	0
Base	3	14	CMUERTA	-0.1518	0.1356	3.0536	-0.2073	-0.2313	-0.0096
Base	3	14	CVIVA	-0.0572	0.0478	0.5527	-0.0744	-0.0883	-0.0035
Base	3	14	DER0	-0.1518	0.1356	3.0536	-0.2073	-0.2313	-0.0096
Base	3	14	CIM0	-0.1518	0.1356	3.0536	-0.2073	-0.2313	-0.0096
Base	3	14	CIM1	-0.209	0.1834	3.6064	-0.2817	-0.3197	-0.0131
Base	3	14	CIM2 Max	0.0353	0.3711	3.7321	0.2284	0.2685	0.0203
Base	3	14	CIM2 Min	-0.4248	-0.0282	3.2043	-0.7546	-0.8636	-0.0447
Base	3	14	DIS0	-0.2126	0.1898	4.2751	-0.2902	-0.3239	-0.0134
Base	3	14	DIS1	-0.2737	0.2392	4.5488	-0.3678	-0.4189	-0.0171
Base	3	14	DIS2 Max	0.1988	0.5908	4.7198	0.613	0.7123	0.047
Base	3	14	DIS2 Min	-0.6776	-0.1697	3.7144	-1.2593	-1.4442	-0.0769
Base	3	14	ENVCIM Max	0.2156	0.3711	3.7321	0.531	0.616	0.0376
Base	3	14	ENVCIM Min	-0.4248	-0.1848	1.4803	-0.7797	-0.8935	-0.0491
Base	3	14	ENVVG Max	0.3015	0.5908	4.7198	0.7496	0.87	0.0533
Base	3	14	ENVVG Min	-0.6776	-0.2583	2.2456	-1.2593	-1.4442	-0.0769
Base	3	14	ENVVGT Max	-0.2126	0.2392	4.5488	-0.2902	-0.3239	-0.0134
Base	3	14	ENVVGT Min	-0.2737	0.1898	4.2751	-0.3678	-0.4189	-0.0171
Base	3	14	DIS3 Max	0.1988	0.5908	4.7198	0.613	0.7123	0.047
Base	3	14	DIS3 Min	-0.6776	-0.1697	3.7144	-1.2593	-1.4442	-0.0769
Base	3	14	DIS4 Max	0.3015	0.5023	3.251	0.7496	0.87	0.0533
Base	3	14	DIS4 Min	-0.5748	-0.2583	2.2456	-1.1227	-1.2864	-0.0706
Base	3	14	DIS5 Max	0.3015	0.5023	3.251	0.7496	0.87	0.0533
Base	3	14	DIS5 Min	-0.5748	-0.2583	2.2456	-1.1227	-1.2864	-0.0706

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	3	14	DER1	-0.209	0.1834	3.6064	-0.2817	-0.3197	-0.0131
Base	3	14	DER2 Max	1.5735	1.7203	5.5599	3.546	4.0491	0.2417
Base	3	14	DER2 Min	-1.963	-1.3774	1.3765	-4.0722	-4.6443	-0.2661
Base	3	14	DER3 Max	1.4482	1.6449	5.5632	3.3511	3.7303	0.2329
Base	3	14	DER3 Min	-1.8377	-1.302	1.3732	-3.8773	-4.3255	-0.2573
Base	3	14	DER4 Max	2.2666	2.1464	4.6212	4.9545	5.6568	0.3327
Base	3	14	DER4 Min	-2.4488	-1.9838	-0.9568	-5.2032	-5.9344	-0.3442
Base	3	14	DER5 Max	2.0995	2.0459	4.6256	4.6945	5.2318	0.3211
Base	3	14	DER5 Min	-2.2817	-1.8832	-0.9612	-4.9433	-5.5093	-0.3326
Base	3	14	CIM3 Max	0.0353	0.3711	3.7321	0.2284	0.2685	0.0203
Base	3	14	CIM3 Min	-0.4248	-0.0282	3.2043	-0.7546	-0.8636	-0.0447
Base	3	14	CIM4 Max	0.2156	0.3475	2.1841	0.531	0.616	0.0376
Base	3	14	CIM4 Min	-0.3978	-0.1848	1.4803	-0.7797	-0.8935	-0.0491
Base	3	14	CIM5 Max	0.2156	0.3475	2.1841	0.531	0.616	0.0376
Base	3	14	CIM5 Min	-0.3978	-0.1848	1.4803	-0.7797	-0.8935	-0.0491
Base	3	14	EX Max	0.3371	0.2925	0.3867	0.7201	0.8294	0.0477
Base	3	14	EX Min	-0.3371	-0.2925	-0.3867	-0.7201	-0.8294	-0.0477
Base	3	14	EY Max	0.3371	0.2925	0.3867	0.7201	0.8294	0.0477
Base	3	14	EY Min	-0.3371	-0.2925	-0.3867	-0.7201	-0.8294	-0.0477
Base	3	14	SERVICIO	-0.209	0.1834	3.6064	-0.2817	-0.3197	-0.0131
Base	4	18	PPROPIO	-0.0942	0.0805	2.2553	-0.1379	-0.1595	0.0093
Base	4	18	ACABADOS	-0.024	0.0227	0.2303	-0.0372	-0.0394	0.0019
Base	4	18	CIELOFALSO	-0.0528	0.0503	0.5676	-0.077	-0.0807	0.0031
Base	4	18	ANTEPECHO	0	0	0	0	0	0
Base	4	18	VIVA	-0.0566	0.0538	0.5719	-0.0856	-0.0903	0.0039
Base	4	18	IMP	-0.0009	0.0008	0.001	-0.002	-0.0022	0.0002
Base	4	18	ESCALERA	0	0	0	0	0	0
Base	4	18	SXSPC Max	0.9228	0.7407	1.2989	1.8095	2.2723	0.1259
Base	4	18	SYSPC Max	0.7248	0.8923	1.1143	2.1691	1.7832	0.1528
Base	4	18	SISMOX	-1.054	0.3023	1.488	-0.7859	-2.5893	0.0737
Base	4	18	SISMOY	0.3067	-0.991	0.068	2.4168	0.8046	0.0212
Base	4	18	DERX Max	1.5144	1.2155	2.1315	2.9695	3.7289	0.2066
Base	4	18	DERY Max	1.1732	1.4443	1.8037	3.5109	2.8863	0.2473
Base	4	18	UMBX Max	0.4063	0.3506	0.5723	0.8549	1.0002	0.0577
Base	4	18	UMBY Max	0.313	0.3384	0.4624	0.8217	0.7694	0.0578
Base	4	18	PARTICIONES	0	0	0	0	0	0
Base	4	18	VIENTOX	0	0	0	0	0	0
Base	4	18	VIENTOY	0	0	0	0	0	0
Base	4	18	CMUERTA	-0.1718	0.1543	3.0542	-0.254	-0.2818	0.0145
Base	4	18	CVIVA	-0.0566	0.0538	0.5719	-0.0856	-0.0903	0.0039
Base	4	18	DER0	-0.1718	0.1543	3.0542	-0.254	-0.2818	0.0145
Base	4	18	CIM0	-0.1718	0.1543	3.0542	-0.254	-0.2818	0.0145
Base	4	18	CIM1	-0.2284	0.2082	3.6261	-0.3396	-0.372	0.0184
Base	4	18	CIM2 Max	-0.0278	0.3443	3.7455	0.0473	0.1096	0.0428
Base	4	18	CIM2 Min	-0.4007	0.0451	3.2207	-0.6838	-0.8085	-0.008
Base	4	18	DIS0	-0.2405	0.2161	4.2758	-0.3556	-0.3945	0.0202
Base	4	18	DIS1	-0.2967	0.2713	4.58	-0.4418	-0.4825	0.0237
Base	4	18	DIS2 Max	0.0924	0.524	4.7367	0.3059	0.446	0.0697
Base	4	18	DIS2 Min	-0.6179	-0.046	3.7371	-1.0867	-1.3027	-0.0271

Table 5.4 - Joint Reactions (continued)

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	18	ENVCIM Max	0.1455	0.3443	3.7455	0.335	0.443	0.0428
Base	4	18	ENVCIM Min	-0.4007	-0.1069	1.4826	-0.6838	-0.8085	-0.0252
Base	4	18	ENVVG Max	0.2005	0.524	4.7367	0.4677	0.6208	0.0697
Base	4	18	ENVVG Min	-0.6179	-0.1461	2.2489	-1.0867	-1.3027	-0.0354
Base	4	18	ENVVGT Max	-0.2405	0.2713	4.58	-0.3556	-0.3945	0.0237
Base	4	18	ENVVGT Min	-0.2967	0.2161	4.2758	-0.4418	-0.4825	0.0202
Base	4	18	DIS3 Max	0.0924	0.524	4.7367	0.3059	0.446	0.0697
Base	4	18	DIS3 Min	-0.6179	-0.046	3.7371	-1.0867	-1.3027	-0.0271
Base	4	18	DIS4 Max	0.2005	0.4239	3.2485	0.4677	0.6208	0.0615
Base	4	18	DIS4 Min	-0.5097	-0.1461	2.2489	-0.9249	-1.128	-0.0354
Base	4	18	DIS5 Max	0.2005	0.4239	3.2485	0.4677	0.6208	0.0615
Base	4	18	DIS5 Min	-0.5097	-0.1461	2.2489	-0.9249	-1.128	-0.0354
Base	4	18	DER1	-0.2284	0.2082	3.6261	-0.3396	-0.372	0.0184
Base	4	18	DER2 Max	1.1856	1.4313	5.4875	2.6989	3.0967	0.228
Base	4	18	DER2 Min	-1.614	-1.0418	1.4786	-3.3353	-3.7956	-0.1932
Base	4	18	DER3 Max	1.0064	1.5514	5.3155	2.9831	2.6543	0.2494
Base	4	18	DER3 Min	-1.4349	-1.162	1.6507	-3.6196	-3.3532	-0.2145
Base	4	18	DER4 Max	1.7633	1.7413	4.5051	3.8704	4.4258	0.2894
Base	4	18	DER4 Min	-1.9695	-1.5561	-0.8401	-4.1752	-4.7639	-0.2721
Base	4	18	DER5 Max	1.5245	1.9015	4.2757	4.2494	3.8359	0.318
Base	4	18	DER5 Min	-1.7306	-1.7163	-0.6107	-4.5542	-4.174	-0.3006
Base	4	18	CIM3 Max	-0.0278	0.3443	3.7455	0.0473	0.1096	0.0428
Base	4	18	CIM3 Min	-0.4007	0.0451	3.2207	-0.6838	-0.8085	-0.008
Base	4	18	CIM4 Max	0.1455	0.2921	2.1823	0.335	0.443	0.0426
Base	4	18	CIM4 Min	-0.3517	-0.1069	1.4826	-0.6398	-0.7811	-0.0252
Base	4	18	CIM5 Max	0.1455	0.2921	2.1823	0.335	0.443	0.0426
Base	4	18	CIM5 Min	-0.3517	-0.1069	1.4826	-0.6398	-0.7811	-0.0252
Base	4	18	EX Max	0.2732	0.2192	0.3845	0.5356	0.6726	0.0373
Base	4	18	EX Min	-0.2732	-0.2192	-0.3845	-0.5356	-0.6726	-0.0373
Base	4	18	EY Max	0.2732	0.2192	0.3845	0.5356	0.6726	0.0373
Base	4	18	EY Min	-0.2732	-0.2192	-0.3845	-0.5356	-0.6726	-0.0373
Base	4	18	SERVICIO	-0.2284	0.2082	3.6261	-0.3396	-0.372	0.0184
Base	5	22	PPROPIO	-0.0575	-0.0291	2.9893	0.0341	-0.0918	0.0098
Base	5	22	ACABADOS	-0.0041	0.0047	0.0025	-0.0084	-0.0075	0.002
Base	5	22	CIELOFALSO	-0.0078	0.0097	0.0065	-0.0132	-0.0101	0.0035
Base	5	22	ANTEPECHO	0	0	0	0	0	0
Base	5	22	VIVA	-0.0091	0.0108	0.0064	-0.0173	-0.0147	0.0043
Base	5	22	IMP	-0.0003	0.0003	-3.11E-05	-0.0009	-0.001	0.0002
Base	5	22	ESCALERA	0	0	0	0	0	0
Base	5	22	SXSPC Max	0.6192	0.5466	0.7028	1.4468	1.7463	0.0192
Base	5	22	SYSPC Max	0.5472	0.7438	0.8631	1.9055	1.4413	0.0637
Base	5	22	SISMOX	-0.6985	-0.1161	-0.5856	-0.1288	-2.0169	0.0077
Base	5	22	SISMOY	-0.0833	-0.7473	-0.6496	2.0453	0.2192	-0.0309
Base	5	22	DERX Max	1.0161	0.8971	1.1534	2.3742	2.8658	0.0315
Base	5	22	DERX Min	0.8857	1.2039	1.397	3.0843	2.3329	0.1032
Base	5	22	UMBX Max	0.2765	0.2629	0.324	0.6943	0.7744	0.0092
Base	5	22	UMBY Max	0.231	0.2721	0.3207	0.6977	0.6214	0.0275
Base	5	22	PARTICIONES	0	0	0	0	0	0
Base	5	22	VIENTOX	0	0	0	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	5	22	VIENTOY	0	0	0	0	0	0
Base	5	22	CMUERTA	-0.0697	-0.0144	2.9982	0.0116	-0.1104	0.0154
Base	5	22	CVIVA	-0.0091	0.0108	0.0064	-0.0173	-0.0147	0.0043
Base	5	22	DER0	-0.0697	-0.0144	2.9982	0.0116	-0.1104	0.0154
Base	5	22	CIM0	-0.0697	-0.0144	2.9982	0.0116	-0.1104	0.0154
Base	5	22	CIM1	-0.0788	-0.0036	3.0046	-0.0058	-0.1252	0.0197
Base	5	22	CIM2 Max	0.0486	0.1042	3.145	0.2909	0.2313	0.0225
Base	5	22	CIM2 Min	-0.2016	-0.1167	2.861	-0.2937	-0.4743	0.0148
Base	5	22	DIS0	-0.0976	-0.0201	4.1975	0.0162	-0.1546	0.0216
Base	5	22	DIS1	-0.0981	0.0001	3.6081	-0.0138	-0.1561	0.0254
Base	5	22	DIS2 Max	0.1456	0.2039	3.8747	0.5533	0.5247	0.0302
Base	5	22	DIS2 Min	-0.331	-0.2168	3.3338	-0.5601	-0.8192	0.0154
Base	5	22	ENVCIM Max	0.125	0.1386	3.145	0.3966	0.4041	0.0225
Base	5	22	ENVCIM Min	-0.2086	-0.1559	1.6096	-0.3827	-0.5367	0.0041
Base	5	22	ENVVG Max	0.1755	0.2039	4.1975	0.5671	0.5726	0.0302
Base	5	22	ENVVG Min	-0.331	-0.2233	2.428	-0.5601	-0.8192	0.0065
Base	5	22	ENVVGT Max	-0.0976	0.0001	4.1975	0.0162	-0.1546	0.0254
Base	5	22	ENVVGT Min	-0.0981	-0.0201	3.6081	-0.0138	-0.1561	0.0216
Base	5	22	DIS3 Max	0.1456	0.2039	3.8747	0.5533	0.5247	0.0302
Base	5	22	DIS3 Min	-0.331	-0.2168	3.3338	-0.5601	-0.8192	0.0154
Base	5	22	DIS4 Max	0.1755	0.1974	2.9689	0.5671	0.5726	0.0213
Base	5	22	DIS4 Min	-0.301	-0.2233	2.428	-0.5463	-0.7714	0.0065
Base	5	22	DIS5 Max	0.1755	0.1974	2.9689	0.5671	0.5726	0.0213
Base	5	22	DIS5 Min	-0.301	-0.2233	2.428	-0.5463	-0.7714	0.0065
Base	5	22	DER1	-0.0788	-0.0036	3.0046	-0.0058	-0.1252	0.0197
Base	5	22	DER2 Max	0.8849	0.9374	4.1824	2.4732	2.5528	0.0655
Base	5	22	DER2 Min	-1.0379	-0.9499	1.8236	-2.4761	-2.7958	-0.0282
Base	5	22	DER3 Max	0.8164	1.0985	4.3103	2.846	2.273	0.1031
Base	5	22	DER3 Min	-0.9694	-1.1111	1.6958	-2.8489	-2.516	-0.0658
Base	5	22	DER4 Max	1.24	1.2496	3.3714	3.3065	3.4994	0.0717
Base	5	22	DER4 Min	-1.3236	-1.2669	0.2264	-3.2926	-3.6319	-0.0531
Base	5	22	DER5 Max	1.1487	1.4644	3.542	3.8036	3.1264	0.1219
Base	5	22	DER5 Min	-1.2323	-1.4817	0.0559	-3.7897	-3.2589	-0.1033
Base	5	22	CIM3 Max	0.0486	0.1042	3.145	0.2909	0.2313	0.0225
Base	5	22	CIM3 Min	-0.2016	-0.1167	2.861	-0.2937	-0.4743	0.0148
Base	5	22	CIM4 Max	0.125	0.1386	1.9883	0.3966	0.4041	0.0144
Base	5	22	CIM4 Min	-0.2086	-0.1559	1.6096	-0.3827	-0.5367	0.0041
Base	5	22	CIM5 Max	0.125	0.1386	1.9883	0.3966	0.4041	0.0144
Base	5	22	CIM5 Min	-0.2086	-0.1559	1.6096	-0.3827	-0.5367	0.0041
Base	5	22	EX Max	0.1833	0.1618	0.208	0.4282	0.5169	0.0057
Base	5	22	EX Min	-0.1833	-0.1618	-0.208	-0.4282	-0.5169	-0.0057
Base	5	22	EY Max	0.1833	0.1618	0.208	0.4282	0.5169	0.0057
Base	5	22	EY Min	-0.1833	-0.1618	-0.208	-0.4282	-0.5169	-0.0057
Base	5	22	SERVICIO	-0.0788	-0.0036	3.0046	-0.0058	-0.1252	0.0197
Base	6	26	PPROPIO	-0.0192	0.0093	3.0899	-0.0242	-0.0604	0.0011
Base	6	26	ACABADOS	-0.0031	0.0013	0.5537	-0.0046	-0.0105	-0.0001
Base	6	26	CIELOFALSO	0.0014	-0.0036	1.3901	0.003	-0.0038	-0.0006
Base	6	26	ANTEPECHO	0	0	0	0	0	0
Base	6	26	VIVA	-0.0035	0.0001	1.3869	-0.0048	-0.0159	-0.0004

Table 5.4 - Joint Reactions (continued)

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	26	IMP	-0.0011	0.0008	-0.0007	-0.0018	-0.0028	4.164E-05
Base	6	26	ESCALERA	0	0	0	0	0	0
Base	6	26	SXSPC Max	1.0926	0.7657	0.4511	1.7562	2.7337	0.158
Base	6	26	SYSPC Max	0.8652	0.9331	0.3889	2.4884	2.1779	0.2307
Base	6	26	SISMOX	-1.149	0.5495	-0.4422	-0.9174	-2.9317	0.0874
Base	6	26	SISMOY	0.6069	-0.9852	0.3676	2.5639	1.1049	0.0618
Base	6	26	DERX Max	1.7931	1.2565	0.7403	2.882	4.4862	0.2593
Base	6	26	DERY Max	1.4005	1.5103	0.6294	4.0278	3.5252	0.3734
Base	6	26	UMBX Max	0.4808	0.3555	0.2021	0.8278	1.1966	0.0751
Base	6	26	UMBY Max	0.3675	0.3444	0.1608	0.8839	0.9176	0.0896
Base	6	26	PARTICIONES	0	0	0	0	0	0
Base	6	26	VIENTOX	0	0	0	0	0	0
Base	6	26	VIENTOY	0	0	0	0	0	0
Base	6	26	CMUERTA	-0.022	0.0078	5.0329	-0.0276	-0.0774	0.0004
Base	6	26	CVIVA	-0.0035	0.0001	1.3869	-0.0048	-0.0159	-0.0004
Base	6	26	DER0	-0.022	0.0078	5.0329	-0.0276	-0.0774	0.0004
Base	6	26	CIM0	-0.022	0.0078	5.0329	-0.0276	-0.0774	0.0004
Base	6	26	CIM1	-0.0255	0.0079	6.4198	-0.0324	-0.0933	1.924E-05
Base	6	26	CIM2 Max	0.1961	0.1626	6.1642	0.3235	0.4629	0.0321
Base	6	26	CIM2 Min	-0.2453	-0.1468	5.982	-0.386	-0.6416	-0.0318
Base	6	26	DIS0	-0.0308	0.011	7.0461	-0.0387	-0.1084	0.0006
Base	6	26	DIS1	-0.032	0.0095	8.2586	-0.0409	-0.1184	-0.0001
Base	6	26	DIS2 Max	0.3906	0.3041	7.6	0.6378	0.9431	0.0609
Base	6	26	DIS2 Min	-0.4503	-0.2852	7.2529	-0.7137	-1.1608	-0.0607
Base	6	26	ENVCIM Max	0.2811	0.2109	6.4198	0.4565	0.6899	0.0428
Base	6	26	ENVCIM Min	-0.3075	-0.2015	2.8983	-0.4896	-0.7828	-0.0423
Base	6	26	ENVVG Max	0.4007	0.3041	8.2586	0.6509	0.9822	0.0612
Base	6	26	ENVVG Min	-0.4503	-0.2876	4.3561	-0.7137	-1.1608	-0.0607
Base	6	26	ENVVGT Max	-0.0308	0.011	8.2586	-0.0387	-0.1084	0.0006
Base	6	26	ENVVGT Min	-0.032	0.0095	7.0461	-0.0409	-0.1184	-0.0001
Base	6	26	DIS3 Max	0.3906	0.3041	7.6	0.6378	0.9431	0.0609
Base	6	26	DIS3 Min	-0.4503	-0.2852	7.2529	-0.7137	-1.1608	-0.0607
Base	6	26	DIS4 Max	0.4007	0.3017	4.7032	0.6509	0.9822	0.0612
Base	6	26	DIS4 Min	-0.4402	-0.2876	4.3561	-0.7006	-1.1216	-0.0604
Base	6	26	DIS5 Max	0.4007	0.3017	4.7032	0.6509	0.9822	0.0612
Base	6	26	DIS5 Min	-0.4402	-0.2876	4.3561	-0.7006	-1.1216	-0.0604
Base	6	26	DER1	-0.0255	0.0079	6.4198	-0.0324	-0.0933	1.924E-05
Base	6	26	DER2 Max	1.6353	1.2901	6.7699	3.0365	4.0684	0.2787
Base	6	26	DER2 Min	-1.6845	-1.2743	5.3763	-3.099	-4.2472	-0.2784
Base	6	26	DER3 Max	1.4292	1.4233	6.7117	3.638	3.5639	0.3385
Base	6	26	DER3 Min	-1.4784	-1.4076	5.4345	-3.7005	-3.7426	-0.3383
Base	6	26	DER4 Max	2.2	1.7143	3.9488	4.0737	5.4973	0.3716
Base	6	26	DER4 Min	-2.2264	-1.7049	2.0907	-4.1069	-5.5902	-0.3711
Base	6	26	DER5 Max	1.9252	1.892	3.8713	4.8758	4.8246	0.4515
Base	6	26	DER5 Min	-1.9516	-1.8826	2.1683	-4.9089	-4.9175	-0.451
Base	6	26	CIM3 Max	0.1961	0.1626	6.1642	0.3235	0.4629	0.0321
Base	6	26	CIM3 Min	-0.2453	-0.1468	5.982	-0.386	-0.6416	-0.0318
Base	6	26	CIM4 Max	0.2811	0.2109	3.1413	0.4565	0.6899	0.0428
Base	6	26	CIM4 Min	-0.3075	-0.2015	2.8983	-0.4896	-0.7828	-0.0423

Table 5.4 - Joint Reactions (continued)

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	26	CIM5 Max	0.2811	0.2109	3.1413	0.4565	0.6899	0.0428
Base	6	26	CIM5 Min	-0.3075	-0.2015	2.8983	-0.4896	-0.7828	-0.0423
Base	6	26	EX Max	0.3234	0.2266	0.1335	0.5198	0.8092	0.0468
Base	6	26	EX Min	-0.3234	-0.2266	-0.1335	-0.5198	-0.8092	-0.0468
Base	6	26	EY Max	0.3234	0.2266	0.1335	0.5198	0.8092	0.0468
Base	6	26	EY Min	-0.3234	-0.2266	-0.1335	-0.5198	-0.8092	-0.0468
Base	6	26	SERVICIO	-0.0255	0.0079	6.4198	-0.0324	-0.0933	1.924E-05
Base	7	30	PPROPIO	-0.0363	0.0462	3.0935	-0.0833	-0.0813	-0.0064
Base	7	30	ACABADOS	-0.0094	0.0067	0.546	-0.0137	-0.0188	-0.0008
Base	7	30	CIELOFALSO	-0.0157	0.0044	1.3564	-0.0107	-0.0273	-0.0005
Base	7	30	ANTEPECHO	0	0	0	0	0	0
Base	7	30	VIVA	-0.0198	0.0111	1.3609	-0.0234	-0.0379	-0.0014
Base	7	30	IMP	-0.001	0.0015	0.001	-0.0029	-0.0024	-0.0002
Base	7	30	ESCALERA	0	0	0	0	0	0
Base	7	30	SXSPC Max	1.1966	0.7157	0.7318	1.5372	2.9146	0.2296
Base	7	30	SYSPC Max	0.9669	0.8949	0.6092	2.3726	2.379	0.3007
Base	7	30	SISMOX	-1.2478	0.5558	0.7345	-0.8922	-3.1122	-0.0945
Base	7	30	SISMOY	0.6597	-0.9741	-0.538	2.5231	1.21	-0.1151
Base	7	30	DERX Max	1.9637	1.1745	1.201	2.5226	4.783	0.3768
Base	7	30	DERY Max	1.565	1.4486	0.9861	3.8404	3.8508	0.4867
Base	7	30	UMBX Max	0.5302	0.3305	0.3262	0.7257	1.2866	0.1005
Base	7	30	UMBY Max	0.4109	0.332	0.2555	0.8451	1.0068	0.103
Base	7	30	PARTICIONES	0	0	0	0	0	0
Base	7	30	VIENTOX	0	0	0	0	0	0
Base	7	30	VIENTOY	0	0	0	0	0	0
Base	7	30	CMUERTA	-0.0623	0.0588	4.9968	-0.1106	-0.1297	-0.0079
Base	7	30	CVIVA	-0.0198	0.0111	1.3609	-0.0234	-0.0379	-0.0014
Base	7	30	DER0	-0.0623	0.0588	4.9968	-0.1106	-0.1297	-0.0079
Base	7	30	CIM0	-0.0623	0.0588	4.9968	-0.1106	-0.1297	-0.0079
Base	7	30	CIM1	-0.0822	0.0699	6.3578	-0.134	-0.1676	-0.0093
Base	7	30	CIM2 Max	0.1645	0.2117	6.1654	0.1824	0.4307	0.0375
Base	7	30	CIM2 Min	-0.319	-0.0775	5.8697	-0.4387	-0.7469	-0.0553
Base	7	30	DIS0	-0.0873	0.0824	6.9955	-0.1549	-0.1816	-0.0111
Base	7	30	DIS1	-0.1065	0.0883	8.1737	-0.1702	-0.2162	-0.0117
Base	7	30	DIS2 Max	0.3658	0.3571	7.6387	0.4353	0.928	0.0775
Base	7	30	DIS2 Min	-0.5551	-0.1937	7.0755	-0.7476	-1.3151	-0.0992
Base	7	30	ENVCIM Max	0.2849	0.2281	6.3578	0.3477	0.7072	0.0571
Base	7	30	ENVCIM Min	-0.3597	-0.1575	2.801	-0.4804	-0.8629	-0.0666
Base	7	30	ENVVG Max	0.4044	0.3571	8.1737	0.4919	1.0048	0.0812
Base	7	30	ENVVG Min	-0.5551	-0.2224	4.2155	-0.7476	-1.3151	-0.0992
Base	7	30	ENVVGT Max	-0.0873	0.0883	8.1737	-0.1549	-0.1816	-0.0111
Base	7	30	ENVVGT Min	-0.1065	0.0824	6.9955	-0.1702	-0.2162	-0.0117
Base	7	30	DIS3 Max	0.3658	0.3571	7.6387	0.4353	0.928	0.0775
Base	7	30	DIS3 Min	-0.5551	-0.1937	7.0755	-0.7476	-1.3151	-0.0992
Base	7	30	DIS4 Max	0.4044	0.3284	4.7787	0.4919	1.0048	0.0812
Base	7	30	DIS4 Min	-0.5166	-0.2224	4.2155	-0.6911	-1.2383	-0.0955
Base	7	30	DIS5 Max	0.4044	0.3284	4.7787	0.4919	1.0048	0.0812
Base	7	30	DIS5 Min	-0.5166	-0.2224	4.2155	-0.6911	-1.2383	-0.0955
Base	7	30	DER1	-0.0822	0.0699	6.3578	-0.134	-0.1676	-0.0093

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	7	30	DER2 Max	1.7477	1.274	7.1401	2.6278	4.2955	0.3832
Base	7	30	DER2 Min	-1.9021	-1.1397	4.8949	-2.8842	-4.6118	-0.4011
Base	7	30	DER3 Max	1.5384	1.4178	7.0273	3.3197	3.8061	0.4409
Base	7	30	DER3 Min	-1.6928	-1.2836	5.0078	-3.576	-4.1224	-0.4588
Base	7	30	DER4 Max	2.3958	1.6444	4.4949	3.6083	5.8604	0.5181
Base	7	30	DER4 Min	-2.4706	-1.5738	1.5013	-3.7411	-6.016	-0.5276
Base	7	30	DER5 Max	2.1167	1.8362	4.3444	4.5308	5.2078	0.595
Base	7	30	DER5 Min	-2.1915	-1.7656	1.6517	-4.6635	-5.3635	-0.6045
Base	7	30	CIM3 Max	0.1645	0.2117	6.1654	0.1824	0.4307	0.0375
Base	7	30	CIM3 Min	-0.319	-0.0775	5.8697	-0.4387	-0.7469	-0.0553
Base	7	30	CIM4 Max	0.2849	0.2281	3.1952	0.3477	0.7072	0.0571
Base	7	30	CIM4 Min	-0.3597	-0.1575	2.801	-0.4804	-0.8629	-0.0666
Base	7	30	CIM5 Max	0.2849	0.2281	3.1952	0.3477	0.7072	0.0571
Base	7	30	CIM5 Min	-0.3597	-0.1575	2.801	-0.4804	-0.8629	-0.0666
Base	7	30	EX Max	0.3542	0.2119	0.2166	0.455	0.8627	0.068
Base	7	30	EX Min	-0.3542	-0.2119	-0.2166	-0.455	-0.8627	-0.068
Base	7	30	EY Max	0.3542	0.2119	0.2166	0.455	0.8627	0.068
Base	7	30	EY Min	-0.3542	-0.2119	-0.2166	-0.455	-0.8627	-0.068
Base	7	30	SERVICIO	-0.0822	0.0699	6.3578	-0.134	-0.1676	-0.0093
Base	8	34	PPROPIO	0.0108	-0.0045	3.0857	-0.0063	0.0184	-0.0027
Base	8	34	ACABADOS	0.0004	0.0007	0.5522	-0.0054	-0.0008	-0.0002
Base	8	34	CIELOFALSO	0.0053	-0.0027	1.386	-0.002	0.0068	0.0001
Base	8	34	ANTEPECHO	0	0	0	0	0	0
Base	8	34	VIVA	0.003	-0.0003	1.383	-0.0081	0.002	-0.0003
Base	8	34	IMP	-0.0005	0.0005	-0.0007	-0.0014	-0.0011	-0.0001
Base	8	34	ESCALERA	0	0	0	0	0	0
Base	8	34	SXSPC Max	1.3112	1.1973	0.5335	2.872	3.1093	0.1633
Base	8	34	SYSPC Max	1.1255	1.046	0.4467	2.6234	2.7491	0.2127
Base	8	34	SISMOX	-1.2677	0.7277	-0.4596	-1.3737	-3.1514	0.0742
Base	8	34	SISMOY	0.5983	-1.0374	0.3526	2.7246	1.0502	0.0718
Base	8	34	DERX Max	2.1518	1.9649	0.8756	4.7131	5.1025	0.2679
Base	8	34	DERY Max	1.8218	1.6931	0.7231	4.2464	4.4498	0.3443
Base	8	34	UMBX Max	0.5875	0.5462	0.2421	1.3056	1.3804	0.0728
Base	8	34	UMBY Max	0.482	0.4217	0.1906	1.017	1.1638	0.0848
Base	8	34	PARTICIONES	0	0	0	0	0	0
Base	8	34	VIENTOX	0	0	0	0	0	0
Base	8	34	VIENTOY	0	0	0	0	0	0
Base	8	34	CMUERTA	0.016	-0.0059	5.0232	-0.015	0.0233	-0.003
Base	8	34	CVIVA	0.003	-0.0003	1.383	-0.0081	0.002	-0.0003
Base	8	34	DER0	0.016	-0.0059	5.0232	-0.015	0.0233	-0.003
Base	8	34	CIM0	0.016	-0.0059	5.0232	-0.015	0.0233	-0.003
Base	8	34	CIM1	0.0191	-0.0062	6.4063	-0.0232	0.0254	-0.0032
Base	8	34	CIM2 Max	0.2832	0.2357	6.1683	0.5591	0.653	0.0298
Base	8	34	CIM2 Min	-0.2466	-0.2481	5.9527	-0.6013	-0.6033	-0.0361
Base	8	34	DIS0	0.0224	-0.0083	7.0325	-0.021	0.0327	-0.0041
Base	8	34	DIS1	0.0241	-0.0076	8.2407	-0.031	0.0313	-0.004
Base	8	34	DIS2 Max	0.5268	0.4533	7.6162	1.079	1.2265	0.059
Base	8	34	DIS2 Min	-0.4823	-0.4682	7.2056	-1.1313	-1.1664	-0.0666
Base	8	34	ENVCIM Max	0.3628	0.319	6.4063	0.7646	0.8515	0.0422

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	8	34	ENVCIM Min	-0.3436	-0.3261	2.8702	-0.7826	-0.8235	-0.0457
Base	8	34	ENVVG Max	0.5268	0.4554	8.2407	1.0916	1.2265	0.0602
Base	8	34	ENVVG Min	-0.4901	-0.4682	4.3156	-1.1313	-1.1755	-0.0666
Base	8	34	ENVVGT Max	0.0241	-0.0076	8.2407	-0.021	0.0327	-0.004
Base	8	34	ENVVGT Min	0.0224	-0.0083	7.0325	-0.031	0.0313	-0.0041
Base	8	34	DIS3 Max	0.5268	0.4533	7.6162	1.079	1.2265	0.059
Base	8	34	DIS3 Min	-0.4823	-0.4682	7.2056	-1.1313	-1.1664	-0.0666
Base	8	34	DIS4 Max	0.519	0.4554	4.7262	1.0916	1.2175	0.0602
Base	8	34	DIS4 Min	-0.4901	-0.4661	4.3156	-1.1187	-1.1755	-0.0655
Base	8	34	DIS5 Max	0.519	0.4554	4.7262	1.0916	1.2175	0.0602
Base	8	34	DIS5 Min	-0.4901	-0.4661	4.3156	-1.1187	-1.1755	-0.0655
Base	8	34	DER1	0.0191	-0.0062	6.4063	-0.0232	0.0254	-0.0032
Base	8	34	DER2 Max	2.0421	1.8485	6.8799	4.4692	4.853	0.2752
Base	8	34	DER2 Min	-2.0055	-1.8608	5.2411	-4.5114	-4.8032	-0.2815
Base	8	34	DER3 Max	1.8688	1.7058	6.7998	4.2241	4.5103	0.3153
Base	8	34	DER3 Min	-1.8322	-1.7181	5.3212	-4.2664	-4.4606	-0.3216
Base	8	34	DER4 Max	2.708	2.4693	4.1064	5.978	6.4515	0.3694
Base	8	34	DER4 Min	-2.6887	-2.4764	1.9214	-5.9961	-6.4235	-0.373
Base	8	34	DER5 Max	2.4769	2.279	3.9997	5.6513	5.9946	0.4229
Base	8	34	DER5 Min	-2.4577	-2.2862	2.0282	-5.6693	-5.9666	-0.4264
Base	8	34	CIM3 Max	0.2832	0.2357	6.1683	0.5591	0.653	0.0298
Base	8	34	CIM3 Min	-0.2466	-0.2481	5.9527	-0.6013	-0.6033	-0.0361
Base	8	34	CIM4 Max	0.3628	0.319	3.1577	0.7646	0.8515	0.0422
Base	8	34	CIM4 Min	-0.3436	-0.3261	2.8702	-0.7826	-0.8235	-0.0457
Base	8	34	CIM5 Max	0.3628	0.319	3.1577	0.7646	0.8515	0.0422
Base	8	34	CIM5 Min	-0.3436	-0.3261	2.8702	-0.7826	-0.8235	-0.0457
Base	8	34	EX Max	0.3881	0.3544	0.1579	0.8501	0.9204	0.0483
Base	8	34	EX Min	-0.3881	-0.3544	-0.1579	-0.8501	-0.9204	-0.0483
Base	8	34	EY Max	0.3881	0.3544	0.1579	0.8501	0.9204	0.0483
Base	8	34	EY Min	-0.3881	-0.3544	-0.1579	-0.8501	-0.9204	-0.0483
Base	8	34	SERVICIO	0.0191	-0.0062	6.4063	-0.0232	0.0254	-0.0032
Base	9	38	PPROPIO	-0.0312	0.0225	3.1854	-0.0499	-0.0392	0.0001
Base	9	38	ACABADOS	-0.0078	0.0068	0.5558	-0.0145	-0.0128	0.0001
Base	9	38	CIELOFALSO	-0.0122	0.011	1.3779	-0.021	-0.0197	0.0006
Base	9	38	ANTEPECHO	0	0	0	0	0	0
Base	9	38	VIVA	-0.0161	0.0143	1.3842	-0.0291	-0.0263	0.0005
Base	9	38	IMP	-0.0009	0.0007	0.0014	-0.0019	-0.0015	-3.229E-05
Base	9	38	ESCALERA	0	0	0	0	0	0
Base	9	38	SXSPC Max	1.3863	1.1437	0.6846	2.6537	3.2633	0.2663
Base	9	38	SYSPC Max	1.1926	1.0179	0.573	2.5088	2.8959	0.2826
Base	9	38	SISMOX	-1.3231	0.7194	0.587	-1.33	-3.2693	-0.0777
Base	9	38	SISMOY	0.6217	-1.0496	-0.4453	2.722	1.1083	-0.1234
Base	9	38	DERX Max	2.2749	1.8769	1.1235	4.3548	5.3552	0.4371
Base	9	38	DERY Max	1.9304	1.6476	0.9275	4.0608	4.6875	0.4574
Base	9	38	UMBX Max	0.6241	0.5215	0.3109	1.2065	1.4593	0.1094
Base	9	38	UMBY Max	0.5138	0.4096	0.2445	0.9706	1.2386	0.0966
Base	9	38	PARTICIONES	0	0	0	0	0	0
Base	9	38	VIENTOX	0	0	0	0	0	0
Base	9	38	VIENTOY	0	0	0	0	0	0

Table 5.4 - Joint Reactions (continued)

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	38	CMUERTA	-0.052	0.041	5.1206	-0.0872	-0.0732	0.0009
Base	9	38	CVIVA	-0.0161	0.0143	1.3842	-0.0291	-0.0263	0.0005
Base	9	38	DER0	-0.052	0.041	5.1206	-0.0872	-0.0732	0.0009
Base	9	38	CIM0	-0.052	0.041	5.1206	-0.0872	-0.0732	0.0009
Base	9	38	CIM1	-0.0681	0.0553	6.5047	-0.1164	-0.0995	0.0013
Base	9	38	CIM2 Max	0.216	0.2828	6.297	0.427	0.5663	0.055
Base	9	38	CIM2 Min	-0.3441	-0.1793	6.0204	-0.6452	-0.7522	-0.0526
Base	9	38	DIS0	-0.0728	0.0575	7.1688	-0.1221	-0.1025	0.0012
Base	9	38	DIS1	-0.0881	0.0721	8.3594	-0.1513	-0.1299	0.0018
Base	9	38	DIS2 Max	0.4549	0.5036	7.7923	0.8873	1.1415	0.104
Base	9	38	DIS2 Min	-0.6119	-0.3766	7.2654	-1.155	-1.3699	-0.101
Base	9	38	ENVCIM Max	0.3422	0.3327	6.5047	0.6625	0.8351	0.0723
Base	9	38	ENVCIM Min	-0.4046	-0.2834	2.8879	-0.7671	-0.9229	-0.0712
Base	9	38	ENVVG Max	0.4866	0.5036	8.3594	0.9426	1.1898	0.104
Base	9	38	ENVVG Min	-0.6119	-0.4032	4.3451	-1.155	-1.3699	-0.1017
Base	9	38	ENVVGT Max	-0.0728	0.0721	8.3594	-0.1221	-0.1025	0.0018
Base	9	38	ENVVGT Min	-0.0881	0.0575	7.1688	-0.1513	-0.1299	0.0012
Base	9	38	DIS3 Max	0.4549	0.5036	7.7923	0.8873	1.1415	0.104
Base	9	38	DIS3 Min	-0.6119	-0.3766	7.2654	-1.155	-1.3699	-0.101
Base	9	38	DIS4 Max	0.4866	0.477	4.872	0.9426	1.1898	0.1033
Base	9	38	DIS4 Min	-0.5803	-0.4032	4.3451	-1.0996	-1.3216	-0.1017
Base	9	38	DIS5 Max	0.4866	0.477	4.872	0.9426	1.1898	0.1033
Base	9	38	DIS5 Min	-0.5803	-0.4032	4.3451	-1.0996	-1.3216	-0.1017
Base	9	38	DER1	-0.0681	0.0553	6.5047	-0.1164	-0.0995	0.0013
Base	9	38	DER2 Max	2.0765	1.8301	7.21	4.0707	4.9782	0.4319
Base	9	38	DER2 Min	-2.2046	-1.7267	5.1074	-4.2889	-5.164	-0.4295
Base	9	38	DER3 Max	1.8956	1.7097	7.1071	3.9164	4.6276	0.4426
Base	9	38	DER3 Min	-2.0237	-1.6062	5.2103	-4.1346	-4.8135	-0.4402
Base	9	38	DER4 Max	2.8228	2.3958	4.4741	5.5208	6.7175	0.5748
Base	9	38	DER4 Min	-2.8853	-2.3466	1.6706	-5.6254	-6.8054	-0.5738
Base	9	38	DER5 Max	2.5816	2.2353	4.3369	5.3149	6.2501	0.589
Base	9	38	DER5 Min	-2.6441	-2.186	1.8078	-5.4196	-6.338	-0.588
Base	9	38	CIM3 Max	0.216	0.2828	6.297	0.427	0.5663	0.055
Base	9	38	CIM3 Min	-0.3441	-0.1793	6.0204	-0.6452	-0.7522	-0.0526
Base	9	38	CIM4 Max	0.3422	0.3327	3.2568	0.6625	0.8351	0.0723
Base	9	38	CIM4 Min	-0.4046	-0.2834	2.8879	-0.7671	-0.9229	-0.0712
Base	9	38	CIM5 Max	0.3422	0.3327	3.2568	0.6625	0.8351	0.0723
Base	9	38	CIM5 Min	-0.4046	-0.2834	2.8879	-0.7671	-0.9229	-0.0712
Base	9	38	EX Max	0.4103	0.3385	0.2026	0.7855	0.9659	0.0788
Base	9	38	EX Min	-0.4103	-0.3385	-0.2026	-0.7855	-0.9659	-0.0788
Base	9	38	EY Max	0.4103	0.3385	0.2026	0.7855	0.9659	0.0788
Base	9	38	EY Min	-0.4103	-0.3385	-0.2026	-0.7855	-0.9659	-0.0788
Base	9	38	SERVICIO	-0.0681	0.0553	6.5047	-0.1164	-0.0995	0.0013
Base	10	42	PPROPIO	-0.0416	-0.0965	15.3814	0.1289	-0.0603	0.0048
Base	10	42	ACABADOS	0.0052	-0.0161	1.5114	0.0194	0.0052	0.0005
Base	10	42	CIELOFALSO	0.0314	-0.0372	1.3242	0.0502	0.0422	0.0004
Base	10	42	ANTEPECHO	0	0	0	0	0	0
Base	10	42	VIVA	0.0215	-0.0388	2.6411	0.0493	0.0265	0.0009
Base	10	42	IMP	-0.0023	-0.0004	0.2993	-0.0002	-0.0036	0.0001

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	10	42	ESCALERA	0	0	0	0	0	0
Base	10	42	SXSPC Max	1.116	0.6971	0.6382	1.8538	2.8159	0.0334
Base	10	42	SXSPC Max	0.9527	0.6596	0.8814	1.6959	2.3875	0.0543
Base	10	42	SISMOX	-1.1284	0.3002	0.6168	-0.9572	-2.788	0.004
Base	10	42	SISMOY	0.3454	-0.8624	1.0567	2.1112	1.016	-0.0213
Base	10	42	DERX Max	1.8313	1.1439	1.0473	3.0422	4.6211	0.0549
Base	10	42	DERY Max	1.542	1.0677	1.4267	2.745	3.8645	0.088
Base	10	42	UMBX Max	0.5017	0.3063	0.2007	0.8243	1.2694	0.0137
Base	10	42	UMBY Max	0.4054	0.2527	0.2715	0.6677	1.0195	0.0243
Base	10	42	PARTICIONES	0	0	0	0	0	0
Base	10	42	VIENTOX	0	0	0	0	0	0
Base	10	42	VIENTOY	0	0	0	0	0	0
Base	10	42	CMUERTA	-0.0072	-0.1501	18.5162	0.1983	-0.0164	0.0058
Base	10	42	CVIVA	0.0215	-0.0388	2.6411	0.0493	0.0265	0.0009
Base	10	42	DER0	-0.0072	-0.1501	18.5162	0.1983	-0.0164	0.0058
Base	10	42	CIM0	-0.0072	-0.1501	18.5162	0.1983	-0.0164	0.0058
Base	10	42	CIM1	0.0143	-0.1889	21.1574	0.2476	0.0101	0.0067
Base	10	42	CIM2 Max	0.2343	-0.0384	20.626	0.6098	0.5723	0.0132
Base	10	42	CIM2 Min	-0.2166	-0.3201	20.3682	-0.1392	-0.5654	-0.0003
Base	10	42	DIS0	-0.0101	-0.2102	25.9227	0.2776	-0.023	0.0082
Base	10	42	DIS1	0.0257	-0.2422	26.4453	0.3169	0.0227	0.0084
Base	10	42	DIS2 Max	0.4422	0.0493	25.1062	1.0006	1.0904	0.0207
Base	10	42	DIS2 Min	-0.4166	-0.4872	24.615	-0.426	-1.0768	-0.005
Base	10	42	ENVCIM Max	0.2963	0.0977	21.1574	0.6183	0.7486	0.0132
Base	10	42	ENVCIM Min	-0.3049	-0.3201	10.9378	-0.3803	-0.7684	-0.0055
Base	10	42	ENVVG Max	0.4422	0.1331	26.4453	1.0006	1.0904	0.0207
Base	10	42	ENVVG Min	-0.4359	-0.4872	16.4191	-0.5349	-1.0984	-0.0076
Base	10	42	ENVVGT Max	0.0257	-0.2102	26.4453	0.3169	0.0227	0.0084
Base	10	42	ENVVGT Min	-0.0101	-0.2422	25.9227	0.2776	-0.023	0.0082
Base	10	42	DIS3 Max	0.4422	0.0493	25.1062	1.0006	1.0904	0.0207
Base	10	42	DIS3 Min	-0.4166	-0.4872	24.615	-0.426	-1.0768	-0.005
Base	10	42	DIS4 Max	0.4229	0.1331	16.9102	0.8918	1.0688	0.0181
Base	10	42	DIS4 Min	-0.4359	-0.4034	16.4191	-0.5349	-1.0984	-0.0076
Base	10	42	DIS5 Max	0.4229	0.1331	16.9102	0.8918	1.0688	0.0181
Base	10	42	DIS5 Min	-0.4359	-0.4034	16.4191	-0.5349	-1.0984	-0.0076
Base	10	42	DER1	0.0143	-0.1889	21.1574	0.2476	0.0101	0.0067
Base	10	42	DER2 Max	1.7294	0.9189	21.6036	3.1346	4.3388	0.0674
Base	10	42	DER2 Min	-1.7116	-1.2774	19.3906	-2.664	-4.3319	-0.0544
Base	10	42	DER3 Max	1.5774	0.8789	21.8028	2.9786	3.9416	0.0848
Base	10	42	DER3 Min	-1.5597	-1.2374	19.1914	-2.5079	-3.9347	-0.0718
Base	10	42	DER4 Max	2.2896	1.3741	12.5851	3.9847	5.7706	0.0847
Base	10	42	DER4 Min	-2.2983	-1.5543	9.6344	-3.7467	-5.7903	-0.0777
Base	10	42	DER5 Max	2.0871	1.3208	12.8507	3.7767	5.241	0.1079
Base	10	42	DER5 Min	-2.0957	-1.501	9.3688	-3.5387	-5.2607	-0.1009
Base	10	42	CIM3 Max	0.2343	-0.0384	20.626	0.6098	0.5723	0.0132
Base	10	42	CIM3 Min	-0.2166	-0.3201	20.3682	-0.1392	-0.5654	-0.0003
Base	10	42	CIM4 Max	0.2963	0.0977	11.2816	0.6183	0.7486	0.0125
Base	10	42	CIM4 Min	-0.3049	-0.2778	10.9378	-0.3803	-0.7684	-0.0055
Base	10	42	CIM5 Max	0.2963	0.0977	11.2816	0.6183	0.7486	0.0125

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	10	42	CIM5 Min	-0.3049	-0.2778	10.9378	-0.3803	-0.7684	-0.0055
Base	10	42	EX Max	0.3303	0.2063	0.1889	0.5487	0.8335	0.0099
Base	10	42	EX Min	-0.3303	-0.2063	-0.1889	-0.5487	-0.8335	-0.0099
Base	10	42	EY Max	0.3303	0.2063	0.1889	0.5487	0.8335	0.0099
Base	10	42	EY Min	-0.3303	-0.2063	-0.1889	-0.5487	-0.8335	-0.0099
Base	10	42	SERVICIO	0.0143	-0.1889	21.1574	0.2476	0.0101	0.0067
Base	11	46	PPROPIO	0.0186	0.0102	7.7585	-0.0318	0.0215	0.0044
Base	11	46	ACABADOS	0.0069	-0.0026	0.7514	-0.0007	0.0072	0.0004
Base	11	46	CIELOFALSO	0.0202	-0.0178	0.5418	0.0216	0.0254	0.0003
Base	11	46	ANTEPECHO	0	0	0	0	0	0
Base	11	46	VIVA	0.0186	-0.0117	1.2591	0.009	0.0214	0.0007
Base	11	46	IMP	-0.0004	0.0014	0.163	-0.0029	-0.0009	0.0001
Base	11	46	ESCALERA	0	0	0	0	0	0
Base	11	46	SXSPC Max	0.8871	0.5123	1.4274	1.5416	2.4446	0.0482
Base	11	46	SYSPC Max	0.7628	0.5356	1.4671	1.4833	2.0706	0.0558
Base	11	46	SISMOX	-0.9555	0.1387	-1.8404	-0.7192	-2.5346	-0.0085
Base	11	46	SISMOY	0.2124	-0.7531	-0.6716	1.9653	0.8421	-0.0056
Base	11	46	DERX Max	1.4559	0.8407	2.3424	2.5298	4.0117	0.079
Base	11	46	DERY Max	1.2347	0.8669	2.3747	2.4009	3.3515	0.0904
Base	11	46	UMBX Max	0.3956	0.2172	0.5783	0.6762	1.0969	0.021
Base	11	46	UMBY Max	0.3199	0.1922	0.5373	0.564	0.8762	0.0257
Base	11	46	PARTICIONES	0	0	0	0	0	0
Base	11	46	VIENTOX	0	0	0	0	0	0
Base	11	46	VIENTOY	0	0	0	0	0	0
Base	11	46	CMUERTA	0.0454	-0.0089	9.2147	-0.0138	0.0532	0.0052
Base	11	46	CVIVA	0.0186	-0.0117	1.2591	0.009	0.0214	0.0007
Base	11	46	DER0	0.0454	-0.0089	9.2147	-0.0138	0.0532	0.0052
Base	11	46	CIM0	0.0454	-0.0089	9.2147	-0.0138	0.0532	0.0052
Base	11	46	CIM1	0.064	-0.0206	10.4739	-0.0048	0.0745	0.0059
Base	11	46	CIM2 Max	0.2385	0.0858	10.4474	0.3044	0.563	0.0155
Base	11	46	CIM2 Min	-0.1199	-0.1212	9.8707	-0.3185	-0.4247	-0.004
Base	11	46	DIS0	0.0635	-0.0124	12.9006	-0.0194	0.0744	0.0073
Base	11	46	DIS1	0.0842	-0.0294	13.0723	-0.0022	0.098	0.0074
Base	11	46	DIS2 Max	0.4144	0.1748	12.8661	0.5856	1.0258	0.0255
Base	11	46	DIS2 Min	-0.2683	-0.2195	11.7675	-0.6008	-0.8555	-0.0116
Base	11	46	ENVCIM Max	0.2662	0.1327	10.4739	0.4069	0.6904	0.0161
Base	11	46	ENVCIM Min	-0.2117	-0.1433	5.1444	-0.4235	-0.6266	-0.0098
Base	11	46	ENVVG Max	0.4144	0.1892	13.0723	0.5856	1.0258	0.0255
Base	11	46	ENVVG Min	-0.3006	-0.2195	7.744	-0.6056	-0.8928	-0.0138
Base	11	46	ENVVGT Max	0.0842	-0.0124	13.0723	-0.0022	0.098	0.0074
Base	11	46	ENVVGT Min	0.0635	-0.0294	12.9006	-0.0194	0.0744	0.0073
Base	11	46	DIS3 Max	0.4144	0.1748	12.8661	0.5856	1.0258	0.0255
Base	11	46	DIS3 Min	-0.2683	-0.2195	11.7675	-0.6008	-0.8555	-0.0116
Base	11	46	DIS4 Max	0.3822	0.1892	8.8425	0.5807	0.9885	0.0232
Base	11	46	DIS4 Min	-0.3006	-0.2051	7.744	-0.6056	-0.8928	-0.0138
Base	11	46	DIS5 Max	0.3822	0.1892	8.8425	0.5807	0.9885	0.0232
Base	11	46	DIS5 Min	-0.3006	-0.2051	7.744	-0.6056	-0.8928	-0.0138
Base	11	46	DER1	0.064	-0.0206	10.4739	-0.0048	0.0745	0.0059
Base	11	46	DER2 Max	1.429	0.8079	12.4502	2.4305	3.832	0.0854

Table 5.4 - Joint Reactions (continued)

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	46	DER2 Min	-1.3104	-0.8432	7.868	-2.4446	-3.6937	-0.0739
Base	11	46	DER3 Max	1.3129	0.8217	12.4671	2.3628	3.4854	0.0913
Base	11	46	DER3 Min	-1.1943	-0.857	7.851	-2.377	-3.3471	-0.0798
Base	11	46	DER4 Max	1.8535	1.0955	8.5837	3.2418	5.049	0.1093
Base	11	46	DER4 Min	-1.7991	-1.1061	2.474	-3.2584	-4.9852	-0.103
Base	11	46	DER5 Max	1.6987	1.1138	8.6063	3.1516	4.5869	0.1172
Base	11	46	DER5 Min	-1.6442	-1.1244	2.4514	-3.1682	-4.5231	-0.111
Base	11	46	CIM3 Max	0.2385	0.0858	10.4474	0.3044	0.563	0.0155
Base	11	46	CIM3 Min	-0.1199	-0.1212	9.8707	-0.3185	-0.4247	-0.004
Base	11	46	CIM4 Max	0.2662	0.1327	5.9133	0.4069	0.6904	0.0161
Base	11	46	CIM4 Min	-0.2117	-0.1433	5.1444	-0.4235	-0.6266	-0.0098
Base	11	46	CIM5 Max	0.2662	0.1327	5.9133	0.4069	0.6904	0.0161
Base	11	46	CIM5 Min	-0.2117	-0.1433	5.1444	-0.4235	-0.6266	-0.0098
Base	11	46	EX Max	0.2626	0.1516	0.4225	0.4563	0.7236	0.0143
Base	11	46	EX Min	-0.2626	-0.1516	-0.4225	-0.4563	-0.7236	-0.0143
Base	11	46	EY Max	0.2626	0.1516	0.4225	0.4563	0.7236	0.0143
Base	11	46	EY Min	-0.2626	-0.1516	-0.4225	-0.4563	-0.7236	-0.0143
Base	11	46	SERVICIO	0.064	-0.0206	10.4739	-0.0048	0.0745	0.0059
Base	12	54	PPROPIO	2.6152	3.0401	30.783	-4.3837	3.6521	0.0125
Base	12	54	ACABADOS	0.2836	0.2962	2.9853	-0.4388	0.3961	0.0011
Base	12	54	CIELOFALSO	0.2413	0.142	2.3281	-0.2108	0.3317	5.099E-06
Base	12	54	ANTEPECHO	0	0	0	0	0	0
Base	12	54	VIVA	0.4923	0.4631	5.0835	-0.6864	0.6851	0.0014
Base	12	54	IMP	0.057	0.073	0.6262	-0.1081	0.0803	0.0003
Base	12	54	ESCALERA	0	0	0	0	0	0
Base	12	54	SXSPC Max	4.1582	2.8354	0.722	6.8497	10.6935	0.404
Base	12	54	SYSPC Max	4.2151	4.0233	0.6589	9.8441	10.5912	0.3712
Base	12	54	SISMOX	-5.47	-3.0384	-0.3988	7.1334	-14.0457	-0.2191
Base	12	54	SISMOY	-1.8238	-4.6108	0.8108	11.566	-3.8815	0.1344
Base	12	54	DERX Max	6.8239	4.6531	1.1849	11.2407	17.5487	0.663
Base	12	54	DERY Max	6.8227	6.5123	1.0665	15.9341	17.1433	0.6008
Base	12	54	UMBX Max	1.6912	0.9178	0.3213	2.1908	4.3923	0.1834
Base	12	54	UMBY Max	1.5519	1.2878	0.2598	3.1339	3.9458	0.1653
Base	12	54	PARTICIONES	0	0	0	0	0	0
Base	12	54	VIENTOX	0	0	0	0	0	0
Base	12	54	VIENTOY	0	0	0	0	0	0
Base	12	54	CMUERTA	3.1972	3.5513	36.7226	-5.1414	4.4602	0.0139
Base	12	54	CVIVA	0.4923	0.4631	5.0835	-0.6864	0.6851	0.0014
Base	12	54	DER0	3.1972	3.5513	36.7226	-5.1414	4.4602	0.0139
Base	12	54	CIM0	3.1972	3.5513	36.7226	-5.1414	4.4602	0.0139
Base	12	54	CIM1	3.6894	4.0145	41.806	-5.8278	5.1453	0.0153
Base	12	54	CIM2 Max	4.4064	4.4715	40.681	-4.2274	7.1343	0.0966
Base	12	54	CIM2 Min	2.7263	3.3259	40.3893	-7.04	2.8137	-0.0667
Base	12	54	DIS0	4.476	4.9718	51.4116	-7.198	6.2443	0.0194
Base	12	54	DIS1	4.6242	5.0026	52.2006	-7.2679	6.4484	0.0189
Base	12	54	DIS2 Max	5.9289	5.8158	49.4284	-4.2203	10.1522	0.1735
Base	12	54	DIS2 Min	2.7288	3.6336	48.8727	-9.4918	1.9225	-0.1374
Base	12	54	ENVCIM Max	4.4064	4.4715	41.806	-1.2398	7.1343	0.1171
Base	12	54	ENVCIM Min	0.7982	1.367	21.839	-7.04	-0.2043	-0.1005

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	12	54	ENVVG Max	5.9289	5.8158	52.2006	-1.9915	10.1522	0.1735
Base	12	54	ENVVG Min	1.2774	2.1051	32.7725	-9.4918	-0.1006	-0.143
Base	12	54	ENVVGT Max	4.6242	5.0026	52.2006	-7.198	6.4484	0.0194
Base	12	54	ENVVGT Min	4.476	4.9718	51.4116	-7.2679	6.2443	0.0189
Base	12	54	DIS3 Max	5.9289	5.8158	49.4284	-4.2203	10.1522	0.1735
Base	12	54	DIS3 Min	2.7288	3.6336	48.8727	-9.4918	1.9225	-0.1374
Base	12	54	DIS4 Max	4.4775	4.2872	33.3281	-1.9915	8.1291	0.1679
Base	12	54	DIS4 Min	1.2774	2.1051	32.7725	-7.263	-0.1006	-0.143
Base	12	54	DIS5 Max	4.4775	4.2872	33.3281	-1.9915	8.1291	0.1679
Base	12	54	DIS5 Min	1.2774	2.1051	32.7725	-7.263	-0.1006	-0.143
Base	12	54	DER1	3.6894	4.0145	41.806	-5.8278	5.1453	0.0153
Base	12	54	DER2 Max	10.2194	8.8537	41.6638	6.3595	21.9928	0.6474
Base	12	54	DER2 Min	-3.0867	-1.0564	39.4065	-17.6719	-12.0447	-0.6175
Base	12	54	DER3 Max	10.2188	9.8298	41.6016	8.8235	21.7799	0.6147
Base	12	54	DER3 Min	-3.0861	-2.0325	39.4687	-20.1359	-11.8319	-0.5849
Base	12	54	DER4 Max	10.789	8.7376	23.5384	12.9361	25.3678	0.8516
Base	12	54	DER4 Min	-6.9524	-4.476	20.5287	-19.1058	-20.0155	-0.835
Base	12	54	DER5 Max	10.7882	10.039	23.4555	16.2215	25.084	0.8081
Base	12	54	DER5 Min	-6.9516	-5.7774	20.6115	-22.3912	-19.7318	-0.7914
Base	12	54	CIM3 Max	4.4064	4.4715	40.681	-4.2724	7.1343	0.0966
Base	12	54	CIM3 Min	2.7263	3.3259	40.3893	-7.04	2.8137	-0.0667
Base	12	54	CIM4 Max	3.0384	2.8945	22.228	-1.2398	5.5565	0.1171
Base	12	54	CIM4 Min	0.7982	1.367	21.839	-4.9299	-0.2043	-0.1005
Base	12	54	CIM5 Max	3.0384	2.8945	22.228	-1.2398	5.5565	0.1171
Base	12	54	CIM5 Min	0.7982	1.367	21.839	-4.9299	-0.2043	-0.1005
Base	12	54	EX Max	1.2308	0.8393	0.2137	2.0275	3.1653	0.1196
Base	12	54	EX Min	-1.2308	-0.8393	-0.2137	-2.0275	-3.1653	-0.1196
Base	12	54	EY Max	1.2308	0.8393	0.2137	2.0275	3.1653	0.1196
Base	12	54	EY Min	-1.2308	-0.8393	-0.2137	-2.0275	-3.1653	-0.1196
Base	12	54	SERVICIO	3.6894	4.0145	41.806	-5.8278	5.1453	0.0153
Base	13	58	PPROPIO	2.0512	2.3515	17.8878	-3.2955	2.755	0.0279
Base	13	58	ACABADOS	0.2643	0.301	1.9054	-0.4335	0.3571	0.0027
Base	13	58	CIELOFALSO	0.165	0.1912	1.2144	-0.2762	0.2155	0.002
Base	13	58	ANTEPECHO	0	0	0	0	0	0
Base	13	58	VIVA	0.431	0.4924	3.1188	-0.7095	0.5788	0.0046
Base	13	58	IMP	0.0604	0.0685	0.4328	-0.0985	0.0826	0.0006
Base	13	58	ESCALERA	0	0	0	0	0	0
Base	13	58	SXSPC Max	2.4411	2.3949	0.9548	6.5496	7.0843	0.1911
Base	13	58	SXSPC Min	2.7284	3.0257	1.1205	8.2197	7.5188	0.2166
Base	13	58	SISMOX	-3.6274	-2.3459	1.324	5.3993	-10.7128	-0.0113
Base	13	58	SISMOY	-2.1436	-3.8457	1.1392	10.8676	-4.7175	-0.0271
Base	13	58	DERX Max	4.006	3.9301	1.5669	10.7482	11.6258	0.3136
Base	13	58	DERY Max	4.4163	4.8976	1.8138	13.3047	12.1701	0.3506
Base	13	58	UMBX Max	0.8141	0.7515	0.2946	2.1359	2.4959	0.0818
Base	13	58	UMBY Max	0.8541	0.8882	0.3341	2.4437	2.4548	0.1014
Base	13	58	PARTICIONES	0	0	0	0	0	0
Base	13	58	VIENTOX	0	0	0	0	0	0
Base	13	58	VIENTOY	0	0	0	0	0	0
Base	13	58	CMUERTA	2.541	2.9122	21.4404	-4.1037	3.4101	0.0332

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	13	58	CVIVA	0.431	0.4924	3.1188	-0.7095	0.5788	0.0046
Base	13	58	DER0	2.541	2.9122	21.4404	-4.1037	3.4101	0.0332
Base	13	58	CIM0	2.541	2.9122	21.4404	-4.1037	3.4101	0.0332
Base	13	58	CIM1	2.972	3.4045	24.5592	-4.8132	3.989	0.0377
Base	13	58	CIM2 Max	3.3574	3.7652	23.9724	-3.3127	5.2754	0.0752
Base	13	58	CIM2 Min	2.3711	2.7976	23.5866	-5.959	2.4131	-0.002
Base	13	58	DIS0	3.5574	4.077	30.0166	-5.7451	4.7742	0.0464
Base	13	58	DIS1	3.7388	4.2824	30.7186	-6.0597	5.0183	0.0471
Base	13	58	DIS2 Max	4.4195	4.9085	29.2147	-3.1137	7.397	0.1179
Base	13	58	DIS2 Min	2.5408	3.0654	28.4799	-8.1542	1.945	-0.0292
Base	13	58	ENVCIM Max	3.3574	3.7652	24.5592	-0.698	5.2754	0.0752
Base	13	58	ENVCIM Min	0.867	1.1022	12.6071	-5.959	0.1379	-0.0316
Base	13	58	ENVVG Max	4.4195	4.9085	30.7186	-1.173	7.397	0.1179
Base	13	58	ENVVG Min	1.3475	1.6994	18.9289	-8.1542	0.3431	-0.0437
Base	13	58	ENVVGT Max	3.7388	4.2824	30.7186	-5.7451	5.0183	0.0471
Base	13	58	ENVVGT Min	3.5574	4.077	30.0166	-6.0597	4.7742	0.0464
Base	13	58	DIS3 Max	4.4195	4.9085	29.2147	-3.1137	7.397	0.1179
Base	13	58	DIS3 Min	2.5408	3.0654	28.4799	-8.1542	1.945	-0.0292
Base	13	58	DIS4 Max	3.2262	3.5425	19.6638	-1.173	5.7952	0.1034
Base	13	58	DIS4 Min	1.3475	1.6994	18.9289	-6.2136	0.3431	-0.0437
Base	13	58	DIS5 Max	3.2262	3.5425	19.6638	-1.173	5.7952	0.1034
Base	13	58	DIS5 Min	1.3475	1.6994	18.9289	-6.2136	0.3431	-0.0437
Base	13	58	DER1	2.972	3.4045	24.5592	-4.8132	3.989	0.0377
Base	13	58	DER2 Max	6.8624	7.331	25.3628	6.4189	15.3019	0.3507
Base	13	58	DER2 Min	-1.1339	-0.7681	22.1962	-15.6906	-7.6134	-0.2775
Base	13	58	DER3 Max	7.0778	7.8389	25.4924	7.7611	15.5877	0.3702
Base	13	58	DER3 Min	-1.3494	-1.276	22.0666	-17.0327	-7.8991	-0.2969
Base	13	58	DER4 Max	6.8555	7.1467	14.9753	12.2775	17.3229	0.4387
Base	13	58	DER4 Min	-3.8063	-3.6521	10.7532	-17.2019	-13.2307	-0.3989
Base	13	58	DER5 Max	7.1427	7.8239	15.1481	14.067	17.704	0.4646
Base	13	58	DER5 Min	-4.0935	-4.3293	10.5804	-18.9914	-13.6118	-0.4248
Base	13	58	CIM3 Max	3.3574	3.7652	23.9724	-3.3127	5.2754	0.0752
Base	13	58	CIM3 Min	2.3711	2.7976	23.5866	-5.959	2.4131	-0.002
Base	13	58	CIM4 Max	2.1821	2.3924	13.1214	-0.698	3.9543	0.0714
Base	13	58	CIM4 Min	0.867	1.1022	12.6071	-4.2264	0.1379	-0.0316
Base	13	58	CIM5 Max	2.1821	2.3924	13.1214	-0.698	3.9543	0.0714
Base	13	58	CIM5 Min	0.867	1.1022	12.6071	-4.2264	0.1379	-0.0316
Base	13	58	EX Max	0.7226	0.7089	0.2826	1.9387	2.097	0.0566
Base	13	58	EX Min	-0.7226	-0.7089	-0.2826	-1.9387	-2.097	-0.0566
Base	13	58	EY Max	0.7226	0.7089	0.2826	1.9387	2.097	0.0566
Base	13	58	EY Min	-0.7226	-0.7089	-0.2826	-1.9387	-2.097	-0.0566
Base	13	58	SERVICIO	2.972	3.4045	24.5592	-4.8132	3.989	0.0377
Base	14	62	PPROPIO	-0.741	-0.2108	12.9495	0.2579	-1.0187	0.009
Base	14	62	ACABADOS	-0.0393	-0.0383	1.0668	0.0368	-0.0573	0.0012
Base	14	62	CIELOFALSO	-0.0325	-0.027	0.6766	0.0261	-0.0535	0.0007
Base	14	62	ANTEPECHO	0	0	0	0	0	0
Base	14	62	VIVA	-0.0678	-0.0639	1.7446	0.0615	-0.1016	0.0019
Base	14	62	IMP	-0.008	-0.0084	0.2427	0.0081	-0.011	0.0003
Base	14	62	ESCALERA	0	0	0	0	0	0

Table 5.4 - Joint Reactions (continued)

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	62	SXSPC Max	3.1875	2.7477	2.2239	7.051	8.3067	0.3089
Base	14	62	SYSPC Max	3.3592	3.4063	2.1563	8.6412	8.5491	0.3167
Base	14	62	SISMOX	-4.6334	-2.531	0.6386	5.7396	-12.1573	-0.0958
Base	14	62	SISMOY	-1.8295	-4.3773	-2.8911	11.3663	-4.2211	0.0694
Base	14	62	DERX Max	5.2309	4.5091	3.6495	11.5712	13.6318	0.5069
Base	14	62	DERY Max	5.4374	5.5135	3.4902	13.9869	13.8378	0.5126
Base	14	62	UMBX Max	1.1684	0.8676	0.9628	2.3114	3.1052	0.1379
Base	14	62	UMBY Max	1.1239	0.9965	0.8069	2.5728	2.9114	0.1421
Base	14	62	PARTICIONES	0	0	0	0	0	0
Base	14	62	VIENTOX	0	0	0	0	0	0
Base	14	62	VIENTOY	0	0	0	0	0	0
Base	14	62	CMUERTA	-0.8208	-0.2845	14.9356	0.3289	-1.1404	0.0111
Base	14	62	CVIVA	-0.0678	-0.0639	1.7446	0.0615	-0.1016	0.0019
Base	14	62	DER0	-0.8208	-0.2845	14.9356	0.3289	-1.1404	0.0111
Base	14	62	CIM0	-0.8208	-0.2845	14.9356	0.3289	-1.1404	0.0111
Base	14	62	CIM1	-0.8886	-0.3484	16.6803	0.3904	-1.2421	0.013
Base	14	62	CIM2 Max	-0.2277	0.2227	16.6934	1.7994	0.4615	0.0749
Base	14	62	CIM2 Min	-1.5156	-0.8875	15.7948	-1.0495	-2.8948	-0.0499
Base	14	62	DIS0	-1.1491	-0.3983	20.9099	0.4604	-1.5966	0.0156
Base	14	62	DIS1	-1.0935	-0.4437	20.7142	0.493	-1.5311	0.0164
Base	14	62	DIS2 Max	0.1738	0.652	20.5232	3.1694	1.7263	0.1341
Base	14	62	DIS2 Min	-2.2793	-1.4626	18.8117	-2.2571	-4.6666	-0.1036
Base	14	62	ENVCIM Max	0.3661	0.5694	16.6934	2.0966	1.5532	0.0899
Base	14	62	ENVCIM Min	-1.5156	-0.9108	8.3624	-1.702	-2.9218	-0.0765
Base	14	62	ENVVG Max	0.4878	0.8012	20.9099	3.1694	2.17	0.1341
Base	14	62	ENVVG Min	-2.2793	-1.4626	12.5863	-2.4173	-4.6666	-0.1089
Base	14	62	ENVVGT Max	-1.0935	-0.3983	20.9099	0.493	-1.5311	0.0164
Base	14	62	ENVVGT Min	-1.1491	-0.4437	20.7142	0.4604	-1.5966	0.0156
Base	14	62	DIS3 Max	0.1738	0.652	20.5232	3.1694	1.7263	0.1341
Base	14	62	DIS3 Min	-2.2793	-1.4626	18.8117	-2.2571	-4.6666	-0.1036
Base	14	62	DIS4 Max	0.4878	0.8012	14.2978	3.0092	2.17	0.1289
Base	14	62	DIS4 Min	-1.9653	-1.3134	12.5863	-2.4173	-4.2228	-0.1089
Base	14	62	DIS5 Max	0.4878	0.8012	14.2978	3.0092	2.17	0.1289
Base	14	62	DIS5 Min	-1.9653	-1.3134	12.5863	-2.4173	-4.2228	-0.1089
Base	14	62	DER1	-0.8886	-0.3484	16.6803	0.3904	-1.2421	0.013
Base	14	62	DER2 Max	4.2749	4.2899	19.7666	12.2004	12.1207	0.5081
Base	14	62	DER2 Min	-6.0182	-4.9548	12.7217	-11.4505	-14.554	-0.483
Base	14	62	DER3 Max	4.3833	4.8173	19.6829	13.4687	12.2289	0.511
Base	14	62	DER3 Min	-6.1267	-5.4821	12.8053	-12.7187	-14.6622	-0.486
Base	14	62	DER4 Max	6.3696	5.9924	13.658	15.9646	17.0989	0.6674
Base	14	62	DER4 Min	-7.3546	-6.3338	4.2648	-15.5699	-18.4674	-0.654
Base	14	62	DER5 Max	6.5142	6.6956	13.5464	17.6566	17.2431	0.6713
Base	14	62	DER5 Min	-7.4991	-7.037	4.3763	-17.261	-18.6116	-0.658
Base	14	62	CIM3 Max	-0.2277	0.2227	16.6934	1.7994	0.4615	0.0749
Base	14	62	CIM3 Min	-1.5156	-0.8875	15.7948	-1.0495	-2.8948	-0.0499
Base	14	62	CIM4 Max	0.3661	0.5694	9.5604	2.0966	1.5532	0.0899
Base	14	62	CIM4 Min	-1.3511	-0.9108	8.3624	-1.702	-2.9218	-0.0765
Base	14	62	CIM5 Max	0.3661	0.5694	9.5604	2.0966	1.5532	0.0899
Base	14	62	CIM5 Min	-1.3511	-0.9108	8.3624	-1.702	-2.9218	-0.0765

Table 5.4 - Joint Reactions (continued)

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	62	EX Max	0.9435	0.8133	0.6583	2.0871	2.4588	0.0914
Base	14	62	EX Min	-0.9435	-0.8133	-0.6583	-2.0871	-2.4588	-0.0914
Base	14	62	EY Max	0.9435	0.8133	0.6583	2.0871	2.4588	0.0914
Base	14	62	EY Min	-0.9435	-0.8133	-0.6583	-2.0871	-2.4588	-0.0914
Base	14	62	SERVICIO	-0.8886	-0.3484	16.6803	0.3904	-1.2421	0.013
Base	15	66	PPROPIO	0.0484	0.0291	8.8578	-0.0474	0.0649	0.0017
Base	15	66	ACABADOS	0.007	0.004	0.9852	-0.0091	0.0074	0.0001
Base	15	66	CIELOFALSO	0.0034	0.0029	0.6298	-0.0078	0.0011	-0.0001
Base	15	66	ANTEPECHO	0	0	0	0	0	0
Base	15	66	VIVA	0.011	0.0067	1.6134	-0.0159	0.0104	0.0002
Base	15	66	IMP	0.0017	0.0009	0.2235	-0.0018	0.0021	4.941E-05
Base	15	66	ESCALERA	0	0	0	0	0	0
Base	15	66	SXSPC Max	0.5482	0.4421	0.8061	1.5369	1.8875	0.0864
Base	15	66	SYSPC Max	0.4933	0.4554	0.7555	1.4191	1.6128	0.0796
Base	15	66	SISMOX	-0.6991	-0.0487	1.0579	-0.4854	-2.1319	-0.0416
Base	15	66	SISMOY	0.0038	-0.6134	0.1272	1.7515	0.5163	0.0234
Base	15	66	DERX Max	0.8996	0.7255	1.3228	2.5222	3.0975	0.1418
Base	15	66	DERY Max	0.7985	0.7371	1.2229	2.297	2.6106	0.1289
Base	15	66	UMBX Max	0.2344	0.1801	0.3351	0.6756	0.8368	0.039
Base	15	66	UMBY Max	0.1945	0.1608	0.2861	0.5564	0.6704	0.036
Base	15	66	PARTICIONES	0	0	0	0	0	0
Base	15	66	VIENTOX	0	0	0	0	0	0
Base	15	66	VIENTOY	0	0	0	0	0	0
Base	15	66	CMUERTA	0.0605	0.0369	10.6964	-0.0662	0.0755	0.0019
Base	15	66	CVIVA	0.011	0.0067	1.6134	-0.0159	0.0104	0.0002
Base	15	66	DER0	0.0605	0.0369	10.6964	-0.0662	0.0755	0.0019
Base	15	66	CIM0	0.0605	0.0369	10.6964	-0.0662	0.0755	0.0019
Base	15	66	CIM1	0.0715	0.0436	12.3098	-0.0821	0.0859	0.002
Base	15	66	CIM2 Max	0.1794	0.1312	12.0693	0.2324	0.4646	0.0194
Base	15	66	CIM2 Min	-0.042	-0.0474	11.7436	-0.3886	-0.298	-0.0155
Base	15	66	DIS0	0.0847	0.0516	14.9749	-0.0927	0.1057	0.0026
Base	15	66	DIS1	0.0901	0.055	15.4172	-0.1048	0.1072	0.0025
Base	15	66	DIS2 Max	0.2945	0.2211	14.7593	0.4961	0.8273	0.0356
Base	15	66	DIS2 Min	-0.1274	-0.1192	14.1389	-0.6867	-0.6253	-0.0308
Base	15	66	ENVCIM Max	0.1839	0.1412	12.3098	0.3743	0.5537	0.0244
Base	15	66	ENVCIM Min	-0.1114	-0.097	6.2007	-0.4537	-0.4631	-0.0221
Base	15	66	ENVVG Max	0.2945	0.2211	15.4172	0.5318	0.8273	0.0356
Base	15	66	ENVVG Min	-0.1565	-0.1369	9.3166	-0.6867	-0.6584	-0.0316
Base	15	66	ENVVGT Max	0.0901	0.055	15.4172	-0.0927	0.1072	0.0026
Base	15	66	ENVVGT Min	0.0847	0.0516	14.9749	-0.1048	0.1057	0.0025
Base	15	66	DIS3 Max	0.2945	0.2211	14.7593	0.4961	0.8273	0.0356
Base	15	66	DIS3 Min	-0.1274	-0.1192	14.1389	-0.6867	-0.6253	-0.0308
Base	15	66	DIS4 Max	0.2654	0.2033	9.9369	0.5318	0.7942	0.0349
Base	15	66	DIS4 Min	-0.1565	-0.1369	9.3166	-0.651	-0.6584	-0.0316
Base	15	66	DIS5 Max	0.2654	0.2033	9.9369	0.5318	0.7942	0.0349
Base	15	66	DIS5 Min	-0.1565	-0.1369	9.3166	-0.651	-0.6584	-0.0316
Base	15	66	DER1	0.0715	0.0436	12.3098	-0.0821	0.0859	0.002
Base	15	66	DER2 Max	0.923	0.7519	13.1737	2.3304	2.9938	0.1373
Base	15	66	DER2 Min	-0.7856	-0.6681	10.6392	-2.4865	-2.8272	-0.1333

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	15	66	DER3 Max	0.87	0.758	13.1212	2.2121	2.7382	0.1305
Base	15	66	DER3 Min	-0.7326	-0.6742	10.6917	-2.3683	-2.5716	-0.1265
Base	15	66	DER4 Max	1.1754	0.9687	8.1075	3.1715	3.926	0.1815
Base	15	66	DER4 Min	-1.1028	-0.9245	4.7282	-3.251	-3.8354	-0.1793
Base	15	66	DER5 Max	1.1047	0.9769	8.0375	3.0139	3.5851	0.1725
Base	15	66	DER5 Min	-1.0321	-0.9326	4.7981	-3.0933	-3.4945	-0.1703
Base	15	66	CIM3 Max	0.1794	0.1312	12.0693	0.2324	0.4646	0.0194
Base	15	66	CIM3 Min	-0.042	-0.0474	11.7436	-0.3886	-0.298	-0.0155
Base	15	66	CIM4 Max	0.1839	0.1412	6.635	0.3743	0.5537	0.0244
Base	15	66	CIM4 Min	-0.1114	-0.097	6.2007	-0.4537	-0.4631	-0.0221
Base	15	66	CIM5 Max	0.1839	0.1412	6.635	0.3743	0.5537	0.0244
Base	15	66	CIM5 Min	-0.1114	-0.097	6.2007	-0.4537	-0.4631	-0.0221
Base	15	66	EX Max	0.1623	0.1309	0.2386	0.4549	0.5587	0.0256
Base	15	66	EX Min	-0.1623	-0.1309	-0.2386	-0.4549	-0.5587	-0.0256
Base	15	66	EY Max	0.1623	0.1309	0.2386	0.4549	0.5587	0.0256
Base	15	66	EY Min	-0.1623	-0.1309	-0.2386	-0.4549	-0.5587	-0.0256
Base	15	66	SERVICIO	0.0715	0.0436	12.3098	-0.0821	0.0859	0.002
Base	17	74	PPROPIO	-2.5303	-2.9035	14.5245	3.8984	-3.6051	0.0324
Base	17	74	ACABADOS	-0.3284	-0.3894	1.4396	0.5094	-0.4581	0.0041
Base	17	74	CIELOFALSO	-0.2147	-0.2531	1.2875	0.3307	-0.3049	0.0019
Base	17	74	ANTEPECHO	0	0	0	0	0	0
Base	17	74	VIVA	-0.54	-0.6396	2.5278	0.8366	-0.7558	0.0064
Base	17	74	IMP	-0.0739	-0.0878	0.2819	0.115	-0.1025	0.001
Base	17	74	ESCALERA	0	0	0	0	0	0
Base	17	74	SXSPC Max	3.2034	2.5264	0.955	6.3903	7.6215	0.4077
Base	17	74	SXSPC Max	3.2417	3.2002	0.9746	8.3719	7.8446	0.3822
Base	17	74	SISMOX	-4.9826	-2.4994	-1.4718	5.5735	-11.7902	-0.3021
Base	17	74	SISMOY	-1.6774	-4.1473	-0.4374	11.13	-4.4406	0.1546
Base	17	74	DERX Max	5.257	4.1459	1.5671	10.4868	12.5074	0.669
Base	17	74	DERY Max	5.2472	5.18	1.5776	13.5512	12.6976	0.6186
Base	17	74	UMBX Max	1.0781	0.7651	0.3214	1.9904	2.5442	0.1869
Base	17	74	UMBY Max	1.0799	0.9294	0.3235	2.4709	2.5794	0.1617
Base	17	74	PARTICIONES	0	0	0	0	0	0
Base	17	74	VIENTOX	0	0	0	0	0	0
Base	17	74	VIENTOY	0	0	0	0	0	0
Base	17	74	CMUERTA	-3.1474	-3.6338	17.5335	4.8535	-4.4705	0.0395
Base	17	74	CVIVA	-0.54	-0.6396	2.5278	0.8366	-0.7558	0.0064
Base	17	74	DER0	-3.1474	-3.6338	17.5335	4.8535	-4.4705	0.0395
Base	17	74	CIM0	-3.1474	-3.6338	17.5335	4.8535	-4.4705	0.0395
Base	17	74	CIM1	-3.6874	-4.2735	20.0614	5.6901	-5.2263	0.0459
Base	17	74	CIM2 Max	-2.9052	-3.6032	19.6223	6.7719	-3.4977	0.1267
Base	17	74	CIM2 Min	-4.1995	-4.6239	19.2365	4.19	-6.5771	-0.038
Base	17	74	DIS0	-4.4063	-5.0874	24.547	6.7949	-6.2587	0.0553
Base	17	74	DIS1	-4.6409	-5.384	25.0848	7.1627	-6.5739	0.0577
Base	17	74	DIS2 Max	-3.0842	-4.0281	23.9355	9.1197	-3.1877	0.2107
Base	17	74	DIS2 Min	-5.5495	-5.9724	23.2006	4.2018	-9.0532	-0.1031
Base	17	74	ENVCIM Max	-1.0256	-1.4998	20.0614	6.7719	-0.6294	0.1335
Base	17	74	ENVCIM Min	-4.1995	-4.6239	10.2629	1.1908	-6.5771	-0.0861
Base	17	74	ENNVG Max	-1.6	-2.2983	25.0848	9.1197	-1.0907	0.2107

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	17	74	ENNVG Min	-5.5495	-5.9724	15.4127	1.9092	-9.0532	-0.1213
Base	17	74	ENNVGT Max	-4.4063	-5.0874	25.0848	7.1627	-6.2587	0.0577
Base	17	74	ENNVGT Min	-4.6409	-5.384	24.547	6.7949	-6.5739	0.0553
Base	17	74	DIS3 Max	-3.0842	-4.0281	23.9355	9.1197	-3.1877	0.2107
Base	17	74	DIS3 Min	-5.5495	-5.9724	23.2006	4.2018	-9.0532	-0.1031
Base	17	74	DIS4 Max	-1.6	-2.2983	16.1477	6.8271	-1.0907	0.1924
Base	17	74	DIS4 Min	-4.0653	-4.2426	15.4127	1.9092	-6.9562	-0.1213
Base	17	74	DIS5 Max	-1.6	-2.2983	16.1477	6.8271	-1.0907	0.1924
Base	17	74	DIS5 Min	-4.0653	-4.2426	15.4127	1.9092	-6.9562	-0.1213
Base	17	74	DER1	-3.6874	-4.2735	20.0614	5.6901	-5.2263	0.0459
Base	17	74	DER2 Max	1.5709	0.1614	20.9597	16.395	7.2001	0.6852
Base	17	74	DER2 Min	-8.6757	-8.3885	17.8991	-5.4332	-17.2748	-0.5966
Base	17	74	DER3 Max	1.5658	0.7042	20.9652	18.0038	7.3	0.6588
Base	17	74	DER3 Min	-8.6706	-8.9314	17.8936	-7.042	-17.3747	-0.5702
Base	17	74	DER4 Max	4.9427	3.5196	12.5605	17.4642	13.6343	0.8783
Base	17	74	DER4 Min	-8.7195	-7.8802	8.4797	-11.6401	-18.999	-0.8309
Base	17	74	DER5 Max	4.9359	4.2434	12.5679	19.6093	13.7675	0.843
Base	17	74	DER5 Min	-8.7127	-8.604	8.4724	-13.7851	-19.1321	-0.7956
Base	17	74	CIM3 Max	-2.9052	-3.6032	19.6223	6.7719	-3.4977	0.1267
Base	17	74	CIM3 Min	-4.1995	-4.6239	19.2365	4.19	-6.5771	-0.038
Base	17	74	CIM4 Max	-1.0256	-1.4998	10.7774	4.6334	-0.6294	0.1335
Base	17	74	CIM4 Min	-2.7513	-2.8608	10.2629	1.1908	-4.7352	-0.0861
Base	17	74	CIM5 Max	-1.0256	-1.4998	10.7774	4.6334	-0.6294	0.1335
Base	17	74	CIM5 Min	-2.7513	-2.8608	10.2629	1.1908	-4.7352	-0.0861
Base	17	74	EX Max	0.9482	0.7478	0.2827	1.8915	2.256	0.1207
Base	17	74	EX Min	-0.9482	-0.7478	-0.2827	-1.8915	-2.256	-0.1207
Base	17	74	EY Max	0.9482	0.7478	0.2827	1.8915	2.256	0.1207
Base	17	74	EY Min	-0.9482	-0.7478	-0.2827	-1.8915	-2.256	-0.1207
Base	17	74	SERVICIO	-3.6874	-4.2735	20.0614	5.6901	-5.2263	0.0459
Base	18	78	PPROPIO	0.0378	-0.3645	3.1822	0.5503	0.0369	0.0055
Base	18	78	ACABADOS	0.0094	0.0045	0.1223	-0.0103	0.0109	-0.0011
Base	18	78	CIELOFALSO	0.0274	0.0079	0.3109	-0.0179	0.0369	-0.0011
Base	18	78	ANTEPECHO	0	0	0	0	0	0
Base	18	78	VIVA	0.0254	0.0096	0.3081	-0.0222	0.0317	-0.002
Base	18	78	IMP	-0.0005	0.0004	-0.0006	-0.001	-0.0012	-0.0002
Base	18	78	ESCALERA	0	0	0	0	0	0
Base	18	78	SXSPC Max	0.5508	0.5866	0.4777	1.4771	1.3115	0.1541
Base	18	78	SXSPC Max	0.2664	0.5451	0.3777	1.37	0.6386	0.1899
Base	18	78	SISMOX	-0.564	0.3001	-0.6141	-0.7694	-1.3558	-0.0637
Base	18	78	SISMOY	0.0403	-0.6808	0.4282	1.7257	0.1047	-0.0175
Base	18	78	DERX Max	0.9039	0.9626	0.7839	2.4241	2.1522	0.2528
Base	18	78	DERY Max	0.4312	0.8823	0.6114	2.2176	1.0336	0.3074
Base	18	78	UMBX Max	0.2012	0.2583	0.202	0.6528	0.4784	0.0626
Base	18	78	UMBY Max	0.1199	0.2118	0.1595	0.5333	0.2869	0.0752
Base	18	78	PARTICIONES	0	0	0	0	0	0
Base	18	78	VIENTOX	0	0	0	0	0	0
Base	18	78	VIENTOY	0	0	0	0	0	0
Base	18	78	CMUERTA	0.0742	-0.3518	3.6148	0.5211	0.0836	0.0031
Base	18	78	CVIVA	0.0254	0.0096	0.3081	-0.0222	0.0317	-0.002

Table 5.4 - Joint Reactions (continued)

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	78	DER0	0.0742	-0.3518	3.6148	0.5211	0.0836	0.0031
Base	18	78	CIM0	0.0742	-0.3518	3.6148	0.5211	0.0836	0.0031
Base	18	78	CIM1	0.0995	-0.3421	3.9229	0.499	0.1153	0.0011
Base	18	78	CIM2 Max	0.2045	-0.226	3.9424	0.8029	0.3723	0.0328
Base	18	78	CIM2 Min	-0.0181	-0.463	3.7494	0.2061	-0.1576	-0.0295
Base	18	78	DIS0	0.1039	-0.4925	5.0607	0.7296	0.117	0.0044
Base	18	78	DIS1	0.1296	-0.4067	4.8307	0.5899	0.1511	0.0006
Base	18	78	DIS2 Max	0.3263	-0.1868	4.8297	1.1716	0.6367	0.0611
Base	18	78	DIS2 Min	-0.0976	-0.6382	4.462	0.0348	-0.3726	-0.0575
Base	18	78	ENVCIM Max	0.2045	-0.0531	3.9424	0.8029	0.4034	0.0434
Base	18	78	ENVCIM Min	-0.1039	-0.463	2.0402	-0.0852	-0.3031	-0.0396
Base	18	78	ENVVG Max	0.3263	-0.0909	5.0607	1.1716	0.6367	0.0621
Base	18	78	ENVVG Min	-0.1452	-0.6382	3.0695	-0.0994	-0.4294	-0.0575
Base	18	78	ENVVGT Max	0.1296	-0.4067	5.0607	0.7296	0.1511	0.0044
Base	18	78	ENVVGT Min	0.1039	-0.4925	4.8307	0.5899	0.117	0.0006
Base	18	78	DIS3 Max	0.3263	-0.1868	4.8297	1.1716	0.6367	0.0611
Base	18	78	DIS3 Min	-0.0976	-0.6382	4.462	0.0348	-0.3726	-0.0575
Base	18	78	DIS4 Max	0.2787	-0.0909	3.4371	1.0374	0.5799	0.0621
Base	18	78	DIS4 Min	-0.1452	-0.5423	3.0695	-0.0994	-0.4294	-0.0565
Base	18	78	DIS5 Max	0.2787	-0.0909	3.4371	1.0374	0.5799	0.0621
Base	18	78	DIS5 Min	-0.1452	-0.5423	3.0695	-0.0994	-0.4294	-0.0565
Base	18	78	DER1	0.0995	-0.3421	3.9229	0.499	0.1153	0.0011
Base	18	78	DER2 Max	0.8682	0.5759	4.5714	2.8215	1.9541	0.2604
Base	18	78	DER2 Min	-0.6818	-1.265	3.1204	-1.8125	-1.7393	-0.2572
Base	18	78	DER3 Max	0.62	0.5337	4.4808	2.7131	1.3668	0.2891
Base	18	78	DER3 Min	-0.4336	-1.2228	3.2109	-1.7041	-1.1521	-0.2858
Base	18	78	DER4 Max	1.0778	1.0162	3.1362	3.402	2.5124	0.3469
Base	18	78	DER4 Min	-0.9888	-1.4383	1.2015	-2.7767	-2.4121	-0.3432
Base	18	78	DER5 Max	0.7469	0.96	3.0155	3.2575	1.7294	0.3851
Base	18	78	DER5 Min	-0.6579	-1.3821	1.3223	-2.6322	-1.6291	-0.3814
Base	18	78	CIM3 Max	0.2045	-0.226	3.9424	0.8029	0.3723	0.0328
Base	18	78	CIM3 Min	-0.0181	-0.463	3.7494	0.2061	-0.1576	-0.0295
Base	18	78	CIM4 Max	0.1929	-0.0531	2.2975	0.7106	0.4034	0.0434
Base	18	78	CIM4 Min	-0.1039	-0.3691	2.0402	-0.0852	-0.3031	-0.0396
Base	18	78	CIM5 Max	0.1929	-0.0531	2.2975	0.7106	0.4034	0.0434
Base	18	78	CIM5 Min	-0.1039	-0.3691	2.0402	-0.0852	-0.3031	-0.0396
Base	18	78	EX Max	0.163	0.1736	0.1414	0.4372	0.3882	0.0456
Base	18	78	EX Min	-0.163	-0.1736	-0.1414	-0.4372	-0.3882	-0.0456
Base	18	78	EY Max	0.163	0.1736	0.1414	0.4372	0.3882	0.0456
Base	18	78	EY Min	-0.163	-0.1736	-0.1414	-0.4372	-0.3882	-0.0456
Base	18	78	SERVICIO	0.0995	-0.3421	3.9229	0.499	0.1153	0.0011
Base	19	82	PPROPIO	-0.0298	-0.0414	2.8286	0.0507	-0.0611	0.0103
Base	19	82	ACABADOS	-0.0045	0.0005	0.3298	-0.0015	-0.0093	-0.0011
Base	19	82	CIELOFALSO	-0.0065	0.0014	0.8228	-0.0046	-0.0124	-0.0015
Base	19	82	ANTEPECHO	0	0	0	0	0	0
Base	19	82	VIVA	-0.0091	0.0013	0.8237	-0.0042	-0.0183	-0.0022
Base	19	82	IMP	-0.0006	-2.05E-05	0.0002	0.0001	-0.0013	-0.0002
Base	19	82	ESCALERA	0	0	0	0	0	0
Base	19	82	SXSPC Max	0.6406	0.25	0.1706	0.9065	1.4411	0.1425

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	19	82	SYSPOC Max	0.3145	0.3944	0.0906	1.4381	0.708	0.2838
Base	19	82	SISMOX	-0.6705	0.0661	0.1965	-0.2576	-1.5096	-0.0552
Base	19	82	SISMOY	0.0567	-0.4224	-0.0243	1.5479	0.1283	-0.0939
Base	19	82	DERX Max	1.0513	0.4103	0.28	1.4877	2.3649	0.2338
Base	19	82	DERY Max	0.509	0.6384	0.1466	2.3278	1.1461	0.4594
Base	19	82	UMBX Max	0.2332	0.1138	0.061	0.4144	0.5246	0.0661
Base	19	82	UMBY Max	0.1409	0.1445	0.0394	0.5248	0.3171	0.1068
Base	19	82	PARTICIONES	0	0	0	0	0	0
Base	19	82	VIENTOX	0	0	0	0	0	0
Base	19	82	VIENTOY	0	0	0	0	0	0
Base	19	82	CMUERTA	-0.0415	-0.0395	3.9814	0.0447	-0.0842	0.0075
Base	19	82	CVIVA	-0.0091	0.0013	0.8237	-0.0042	-0.0183	-0.0022
Base	19	82	DER0	-0.0415	-0.0395	3.9814	0.0447	-0.0842	0.0075
Base	19	82	CIM0	-0.0415	-0.0395	3.9814	0.0447	-0.0842	0.0075
Base	19	82	CIM1	-0.0506	-0.0382	4.8051	0.0405	-0.1025	0.0053
Base	19	82	CIM2 Max	0.0811	0.012	4.6336	0.2247	0.1932	0.0347
Base	19	82	CIM2 Min	-0.1777	-0.089	4.5647	-0.1415	-0.3891	-0.0229
Base	19	82	DIS0	-0.058	-0.0553	5.574	0.0626	-0.1179	0.0105
Base	19	82	DIS1	-0.0643	-0.0453	6.0956	0.047	-0.1303	0.0055
Base	19	82	DIS2 Max	0.1877	0.0501	5.667	0.3983	0.4352	0.0617
Base	19	82	DIS2 Min	-0.3054	-0.1423	5.5357	-0.2993	-0.6739	-0.048
Base	19	82	ENVCIM Max	0.1477	0.0436	4.8051	0.271	0.3376	0.0429
Base	19	82	ENVCIM Min	-0.1974	-0.0911	2.3429	-0.2173	-0.4387	-0.0339
Base	19	82	ENVVG Max	0.2092	0.0606	6.0956	0.3983	0.4787	0.0617
Base	19	82	ENVVG Min	-0.3054	-0.1423	3.5176	-0.3086	-0.6739	-0.048
Base	19	82	ENVVGT Max	-0.058	-0.0453	6.0956	0.0626	-0.1179	0.0105
Base	19	82	ENVVGT Min	-0.0643	-0.0553	5.574	0.047	-0.1303	0.0055
Base	19	82	DIS3 Max	0.1877	0.0501	5.667	0.3983	0.4352	0.0617
Base	19	82	DIS3 Min	-0.3054	-0.1423	5.5357	-0.2993	-0.6739	-0.048
Base	19	82	DIS4 Max	0.2092	0.0606	3.6489	0.3891	0.4787	0.0616
Base	19	82	DIS4 Min	-0.2838	-0.1318	3.5176	-0.3086	-0.6303	-0.048
Base	19	82	DIS5 Max	0.2092	0.0606	3.6489	0.3891	0.4787	0.0616
Base	19	82	DIS5 Min	-0.2838	-0.1318	3.5176	-0.3086	-0.6303	-0.048
Base	19	82	DER1	-0.0506	-0.0382	4.8051	0.0405	-0.1025	0.0053
Base	19	82	DER2 Max	0.8547	0.4128	4.8421	1.6811	1.9336	0.2846
Base	19	82	DER2 Min	-0.9513	-0.4899	4.3562	-1.5979	-2.1295	-0.2728
Base	19	82	DER3 Max	0.57	0.5326	4.7721	2.1221	1.2937	0.4031
Base	19	82	DER3 Min	-0.6666	-0.6096	4.4262	-2.039	-1.4896	-0.3913
Base	19	82	DER4 Max	1.1792	0.5781	2.7128	2.2128	2.6582	0.3761
Base	19	82	DER4 Min	-1.2289	-0.6255	2.0649	-2.1591	-2.7592	-0.3671
Base	19	82	DER5 Max	0.7996	0.7378	2.6195	2.8009	1.805	0.5341
Base	19	82	DER5 Min	-0.8493	-0.7852	2.1582	-2.7472	-1.9061	-0.525
Base	19	82	CIM3 Max	0.0811	0.012	4.6336	0.2247	0.1932	0.0347
Base	19	82	CIM3 Min	-0.1777	-0.089	4.5647	-0.1415	-0.3891	-0.0229
Base	19	82	CIM4 Max	0.1477	0.0436	2.4348	0.271	0.3376	0.0429
Base	19	82	CIM4 Min	-0.1974	-0.0911	2.3429	-0.2173	-0.4387	-0.0339
Base	19	82	CIM5 Max	0.1477	0.0436	2.4348	0.271	0.3376	0.0429
Base	19	82	CIM5 Min	-0.1974	-0.0911	2.3429	-0.2173	-0.4387	-0.0339
Base	19	82	EX Max	0.1896	0.074	0.0505	0.2683	0.4266	0.0422

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	19	82	EX Min	-0.1896	-0.074	-0.0505	-0.2683	-0.4266	-0.0422
Base	19	82	EY Max	0.1896	0.074	0.0505	0.2683	0.4266	0.0422
Base	19	82	EY Min	-0.1896	-0.074	-0.0505	-0.2683	-0.4266	-0.0422
Base	19	82	SERVICIO	-0.0506	-0.0382	4.8051	0.0405	-0.1025	0.0053
Base	20	86	PPROPIO	-0.0206	-0.001	2.7206	-0.02	-0.0476	0.0009
Base	20	86	ACABADOS	-0.0033	-0.001	0.3094	0.0029	-0.0075	-0.0004
Base	20	86	CIELOFALSO	-0.0036	-0.0005	0.7738	0.0012	-0.0081	-0.0006
Base	20	86	ANTEPECHO	0	0	0	0	0	0
Base	20	86	VIVA	-0.0061	-0.0016	0.7736	0.0044	-0.0138	-0.0009
Base	20	86	IMP	-0.0006	-0.0002	-4.034E-05	0.0007	-0.0013	-0.0001
Base	20	86	ESCALERA	0	0	0	0	0	0
Base	20	86	SXSPC Max	0.6191	0.2783	0.0239	0.9735	1.4093	0.0704
Base	20	86	SYSPC Max	0.303	0.5848	0.0115	2.044	0.6912	0.0787
Base	20	86	SISMOX	-0.6459	0.0138	-0.0253	-0.0944	-1.4736	-0.0087
Base	20	86	SISMOY	0.0529	-0.4594	-0.0042	1.724	0.1227	0.0393
Base	20	86	DERX Max	1.016	0.4567	0.0393	1.5976	2.3127	0.1155
Base	20	86	DERY Max	0.4905	0.9465	0.0186	3.3086	1.1187	0.1274
Base	20	86	UMBX Max	0.2255	0.1309	0.0083	0.4611	0.5131	0.0287
Base	20	86	UMBY Max	0.1359	0.2135	0.0047	0.742	0.3097	0.0337
Base	20	86	PARTICIONES	0	0	0	0	0	0
Base	20	86	VIENTOX	0	0	0	0	0	0
Base	20	86	VIENTOY	0	0	0	0	0	0
Base	20	86	CMUERTA	-0.028	-0.0027	3.8038	-0.0152	-0.0645	-0.0002
Base	20	86	CVIVA	-0.0061	-0.0016	0.7736	0.0044	-0.0138	-0.0009
Base	20	86	DER0	-0.028	-0.0027	3.8038	-0.0152	-0.0645	-0.0002
Base	20	86	CIM0	-0.028	-0.0027	3.8038	-0.0152	-0.0645	-0.0002
Base	20	86	CIM1	-0.0341	-0.0043	4.5775	-0.0108	-0.0784	-0.0011
Base	20	86	CIM2 Max	0.0925	0.0523	4.3889	0.1848	0.2098	0.0133
Base	20	86	CIM2 Min	-0.1577	-0.0601	4.3792	-0.2086	-0.3596	-0.0151
Base	20	86	DIS0	-0.0393	-0.0038	5.3253	-0.0213	-0.0904	-0.0003
Base	20	86	DIS1	-0.0434	-0.0058	5.8024	-0.0112	-0.0996	-0.0017
Base	20	86	DIS2 Max	0.1985	0.1023	5.3474	0.3608	0.451	0.0259
Base	20	86	DIS2 Min	-0.278	-0.1119	5.329	-0.3884	-0.6336	-0.0282
Base	20	86	ENVCIM Max	0.1499	0.0733	4.5775	0.2531	0.3409	0.0188
Base	20	86	ENVCIM Min	-0.1836	-0.0766	2.2758	-0.2713	-0.4183	-0.0191
Base	20	86	ENVVG Max	0.213	0.1047	5.8024	0.3609	0.4842	0.0269
Base	20	86	ENVVG Min	-0.278	-0.1119	3.4142	-0.3884	-0.6336	-0.0282
Base	20	86	ENVVGT Max	-0.0393	-0.0038	5.8024	-0.0112	-0.0904	-0.0003
Base	20	86	ENVVGT Min	-0.0434	-0.0058	5.3253	-0.0213	-0.0996	-0.0017
Base	20	86	DIS3 Max	0.1985	0.1023	5.3474	0.3608	0.451	0.0259
Base	20	86	DIS3 Min	-0.278	-0.1119	5.329	-0.3884	-0.6336	-0.0282
Base	20	86	DIS4 Max	0.213	0.1047	3.4326	0.3609	0.4842	0.0269
Base	20	86	DIS4 Min	-0.2635	-0.1095	3.4142	-0.3883	-0.6004	-0.0273
Base	20	86	DIS5 Max	0.213	0.1047	3.4326	0.3609	0.4842	0.0269
Base	20	86	DIS5 Min	-0.2635	-0.1095	3.4142	-0.3883	-0.6004	-0.0273
Base	20	86	DER1	-0.0341	-0.0043	4.5775	-0.0108	-0.0784	-0.0011
Base	20	86	DER2 Max	0.8398	0.5516	4.4177	1.9307	1.9113	0.1144
Base	20	86	DER2 Min	-0.905	-0.5594	4.3504	-1.9545	-2.0612	-0.1162
Base	20	86	DER3 Max	0.5639	0.8088	4.4068	2.829	1.2845	0.1207

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	20	86	DER3 Min	-0.6291	-0.8165	4.3612	-2.8528	-1.4343	-0.1225
Base	20	86	DER4 Max	1.1463	0.739	2.3272	2.581	2.6096	0.1536
Base	20	86	DER4 Min	-1.18	-0.7423	2.2374	-2.5993	-2.687	-0.1539
Base	20	86	DER5 Max	0.7785	1.0819	2.3127	3.7787	1.7738	0.1619
Base	20	86	DER5 Min	-0.8121	-1.0852	2.2519	-3.797	-1.8513	-0.1622
Base	20	86	CIM3 Max	0.0925	0.0523	4.3889	0.1848	0.2098	0.0133
Base	20	86	CIM3 Min	-0.1577	-0.0601	4.3792	-0.2086	-0.3596	-0.0151
Base	20	86	CIM4 Max	0.1499	0.0733	2.2887	0.2531	0.3409	0.0188
Base	20	86	CIM4 Min	-0.1836	-0.0766	2.2758	-0.2713	-0.4183	-0.0191
Base	20	86	CIM5 Max	0.1499	0.0733	2.2887	0.2531	0.3409	0.0188
Base	20	86	CIM5 Min	-0.1836	-0.0766	2.2758	-0.2713	-0.4183	-0.0191
Base	20	86	EX Max	0.1833	0.0824	0.0071	0.2882	0.4171	0.0208
Base	20	86	EX Min	-0.1833	-0.0824	-0.0071	-0.2882	-0.4171	-0.0208
Base	20	86	EY Max	0.1833	0.0824	0.0071	0.2882	0.4171	0.0208
Base	20	86	EY Min	-0.1833	-0.0824	-0.0071	-0.2882	-0.4171	-0.0208
Base	20	86	SERVICIO	-0.0341	-0.0043	4.5775	-0.0108	-0.0784	-0.0011
Base	21	90	PPROPIO	-0.0438	-0.0191	2.2838	0.0015	-0.0814	0.0052
Base	21	90	ACABADOS	-0.0081	-0.0013	0.2144	0.0025	-0.0144	0.0015
Base	21	90	CIELOFALSO	-0.0153	-0.0008	0.5395	0.0014	-0.025	0.001
Base	21	90	ANTEPECHO	0	0	0	0	0	0
Base	21	90	VIVA	-0.0179	-0.0021	0.5376	0.004	-0.031	0.0024
Base	21	90	IMP	-0.0006	-0.0003	-0.0004	0.0006	-0.0013	0.0003
Base	21	90	ESCALERA	0	0	0	0	0	0
Base	21	90	SXSPC Max	0.6452	0.114	0.5343	0.4427	1.4458	0.1787
Base	21	90	SYSPC Max	0.3177	0.2681	0.271	1.0486	0.712	0.2957
Base	21	90	SISMOX	-0.6761	0.0502	-0.5737	-0.178	-1.5164	0.0317
Base	21	90	SISMOY	0.0606	-0.3391	0.099	1.2686	0.1339	0.1279
Base	21	90	DERX Max	1.0588	0.1871	0.8769	0.7265	2.3726	0.2932
Base	21	90	DERY Max	0.5142	0.4339	0.4387	1.6973	1.1525	0.4786
Base	21	90	UMBX Max	0.235	0.0562	0.1981	0.2193	0.5264	0.0752
Base	21	90	UMBY Max	0.1424	0.0927	0.123	0.3636	0.319	0.1152
Base	21	90	PARTICIONES	0	0	0	0	0	0
Base	21	90	VIENTOX	0	0	0	0	0	0
Base	21	90	VIENTOY	0	0	0	0	0	0
Base	21	90	CMUERTA	-0.0678	-0.0214	3.0373	0.0059	-0.1223	0.008
Base	21	90	CVIVA	-0.0179	-0.0021	0.5376	0.004	-0.031	0.0024
Base	21	90	DER0	-0.0678	-0.0214	3.0373	0.0059	-0.1223	0.008
Base	21	90	CIM0	-0.0678	-0.0214	3.0373	0.0059	-0.1223	0.008
Base	21	90	CIM1	-0.0857	-0.0235	3.5749	0.0099	-0.1533	0.0104
Base	21	90	CIM2 Max	0.0491	0.0001	3.5485	0.0984	0.1466	0.0459
Base	21	90	CIM2 Min	-0.2116	-0.046	3.3326	-0.0805	-0.4376	-0.0263
Base	21	90	DIS0	-0.0949	-0.03	4.2522	0.0083	-0.1712	0.0112
Base	21	90	DIS1	-0.11	-0.029	4.505	0.0135	-0.1963	0.0135
Base	21	90	DIS2 Max	0.149	0.0161	4.388	0.1815	0.3786	0.0808
Base	21	90	DIS2 Min	-0.3476	-0.0716	3.9768	-0.1593	-0.734	-0.0567
Base	21	90	ENVCIM Max	0.1331	0.0179	3.5749	0.1228	0.3161	0.0529
Base	21	90	ENVCIM Min	-0.2145	-0.046	1.6785	-0.1157	-0.4628	-0.0433
Base	21	90	ENVVG Max	0.1872	0.0246	4.505	0.1815	0.4463	0.0808
Base	21	90	ENVVG Min	-0.3476	-0.0716	2.528	-0.165	-0.734	-0.0615

Table 5.4 - Joint Reactions (continued)

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	90	ENVVGT Max	-0.0949	-0.029	4.505	0.0135	-0.1712	0.0135
Base	21	90	ENVVGT Min	-0.11	-0.03	4.2522	0.0083	-0.1963	0.0112
Base	21	90	DIS3 Max	0.149	0.0161	4.388	0.1815	0.3786	0.0808
Base	21	90	DIS3 Min	-0.3476	-0.0716	3.9768	-0.1593	-0.734	-0.0567
Base	21	90	DIS4 Max	0.1872	0.0246	2.9392	0.1757	0.4463	0.0759
Base	21	90	DIS4 Min	-0.3093	-0.0631	2.528	-0.165	-0.6664	-0.0615
Base	21	90	DIS5 Max	0.1872	0.0246	2.9392	0.1757	0.4463	0.0759
Base	21	90	DIS5 Min	-0.3093	-0.0631	2.528	-0.165	-0.6664	-0.0615
Base	21	90	DER1	-0.0857	-0.0235	3.5749	0.0099	-0.1533	0.0104
Base	21	90	DER2 Max	0.8286	0.215	4.1969	0.9357	1.8932	0.3374
Base	21	90	DER2 Min	-0.991	-0.2609	2.6842	-0.9179	-2.1843	-0.3177
Base	21	90	DER3 Max	0.5426	0.3446	3.9669	1.4454	1.2527	0.4347
Base	21	90	DER3 Min	-0.7051	-0.3905	2.9142	-1.4276	-1.5437	-0.4151
Base	21	90	DER4 Max	1.1724	0.3044	2.8309	1.2393	2.645	0.4416
Base	21	90	DER4 Min	-1.2537	-0.3301	0.8139	-1.2322	-2.7917	-0.432
Base	21	90	DER5 Max	0.7911	0.4772	2.5242	1.9189	1.7909	0.5714
Base	21	90	DER5 Min	-0.8725	-0.5029	1.1206	-1.9117	-1.9376	-0.5618
Base	21	90	CIM3 Max	0.0491	0.0001	3.5485	0.0984	0.1466	0.0459
Base	21	90	CIM3 Min	-0.2116	-0.046	3.3326	-0.0805	-0.4376	-0.0263
Base	21	90	CIM4 Max	0.1331	0.0179	1.9663	0.1228	0.3161	0.0529
Base	21	90	CIM4 Min	-0.2145	-0.0436	1.6785	-0.1157	-0.4628	-0.0433
Base	21	90	CIM5 Max	0.1331	0.0179	1.9663	0.1228	0.3161	0.0529
Base	21	90	CIM5 Min	-0.2145	-0.0436	1.6785	-0.1157	-0.4628	-0.0433
Base	21	90	EX Max	0.191	0.0337	0.1582	0.131	0.4279	0.0529
Base	21	90	EX Min	-0.191	-0.0337	-0.1582	-0.131	-0.4279	-0.0529
Base	21	90	EY Max	0.191	0.0337	0.1582	0.131	0.4279	0.0529
Base	21	90	EY Min	-0.191	-0.0337	-0.1582	-0.131	-0.4279	-0.0529
Base	21	90	SERVICIO	-0.0857	-0.0235	3.5749	0.0099	-0.1533	0.0104
Base	22	94	PPROPIO	-0.0193	-0.1597	2.502	0.1862	-0.0451	-0.0132
Base	22	94	ACABADOS	-0.0028	-0.0012	0.1262	0.0003	-0.0068	-0.0012
Base	22	94	CIELOFALSO	-0.0009	0.0005	0.3154	-0.0018	-0.0041	-0.0007
Base	22	94	ANTEPECHO	0	0	0	0	0	0
Base	22	94	VIVA	-0.0041	-0.0014	0.3155	-0.0004	-0.011	-0.0019
Base	22	94	IMP	-0.0007	-0.0004	2.918E-05	0.0003	-0.0016	-0.0003
Base	22	94	ESCALERA	0	0	0	0	0	0
Base	22	94	SXSPC Max	0.6838	0.3761	0.4874	0.7546	1.4972	0.1171
Base	22	94	SXSPC Min	0.3377	0.5934	0.801	1.2808	0.7401	0.1683
Base	22	94	SISMOX	-0.7095	0.3176	-0.5537	-0.5749	-1.5638	0.0263
Base	22	94	SISMOY	0.0364	-0.8365	0.9368	1.7973	0.1044	0.0721
Base	22	94	DERX Max	1.1221	0.6173	0.7999	1.2383	2.457	0.1922
Base	22	94	DERX Min	0.5466	0.9605	1.2965	2.0732	1.1979	0.2724
Base	22	94	UMBX Max	0.2462	0.1599	0.2104	0.3205	0.5411	0.0599
Base	22	94	UMBY Max	0.1491	0.2209	0.3035	0.4678	0.3284	0.0674
Base	22	94	PARTICIONES	0	0	0	0	0	0
Base	22	94	VIENTOX	0	0	0	0	0	0
Base	22	94	VIENTOY	0	0	0	0	0	0
Base	22	94	CMUERTA	-0.0237	-0.1608	2.9436	0.1851	-0.0575	-0.0154
Base	22	94	CVIVA	-0.0041	-0.0014	0.3155	-0.0004	-0.011	-0.0019
Base	22	94	DER0	-0.0237	-0.1608	2.9436	0.1851	-0.0575	-0.0154

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	22	94	CIM0	-0.0237	-0.1608	2.9436	0.1851	-0.0575	-0.0154
Base	22	94	CIM1	-0.0279	-0.1622	3.2591	0.1848	-0.0685	-0.0173
Base	22	94	CIM2 Max	0.1113	-0.0859	3.2787	0.3373	0.2367	0.0069
Base	22	94	CIM2 Min	-0.165	-0.2379	3.0818	0.0324	-0.3682	-0.0405
Base	22	94	DIS0	-0.0332	-0.2252	4.1211	0.2592	-0.0805	-0.0215
Base	22	94	DIS1	-0.0351	-0.1952	4.0371	0.2216	-0.0866	-0.0215
Base	22	94	DIS2 Max	0.2305	-0.0497	4.0354	0.5121	0.4961	0.0247
Base	22	94	DIS2 Min	-0.2957	-0.3391	3.6603	-0.0686	-0.6561	-0.0654
Base	22	94	ENVCIM Max	0.1699	0.0048	3.2787	0.3373	0.3688	0.0223
Base	22	94	ENVCIM Min	-0.1984	-0.2379	1.6349	-0.0922	-0.4378	-0.0408
Base	22	94	ENVVG Max	0.2418	-1.566E-05	4.1211	0.5121	0.5244	0.0312
Base	22	94	ENVVG Min	-0.2957	-0.3391	2.4617	-0.1238	-0.6561	-0.0654
Base	22	94	ENVVGT Max	-0.0332	-0.1952	4.1211	0.2592	-0.0805	-0.0215
Base	22	94	ENVVGT Min	-0.0351	-0.2252	4.0371	0.2216	-0.0866	-0.0215
Base	22	94	DIS3 Max	0.2305	-0.0497	4.0354	0.5121	0.4961	0.0247
Base	22	94	DIS3 Min	-0.2957	-0.3391	3.6603	-0.0686	-0.6561	-0.0654
Base	22	94	DIS4 Max	0.2418	-1.566E-05	2.8368	0.457	0.5244	0.0312
Base	22	94	DIS4 Min	-0.2845	-0.2895	2.4617	-0.1238	-0.6279	-0.0589
Base	22	94	DIS5 Max	0.2418	-1.566E-05	2.8368	0.457	0.5244	0.0312
Base	22	94	DIS5 Min	-0.2845	-0.2895	2.4617	-0.1238	-0.6279	-0.0589
Base	22	94	DER1	-0.0279	-0.1622	3.2591	0.1848	-0.0685	-0.0173
Base	22	94	DER2 Max	0.9378	0.5172	4.0718	1.58	2.0466	0.1886
Base	22	94	DER2 Min	-0.9914	-0.841	2.2886	-1.2103	-2.1781	-0.2222
Base	22	94	DER3 Max	0.6356	0.6973	4.3326	2.0183	1.3855	0.2307
Base	22	94	DER3 Min	-0.6893	-1.0211	2.0279	-1.6487	-1.517	-0.2643
Base	22	94	DER4 Max	1.2719	0.8089	2.955	1.9713	2.7819	0.2647
Base	22	94	DER4 Min	-1.3004	-1.0019	0.5774	-1.7492	-2.8509	-0.2831
Base	22	94	DER5 Max	0.869	1.0491	3.3026	2.5557	1.9005	0.3208
Base	22	94	DER5 Min	-0.8975	-1.2422	0.2298	-2.3336	-1.9695	-0.3392
Base	22	94	CIM3 Max	0.1113	-0.0859	3.2787	0.3373	0.2367	0.0069
Base	22	94	CIM3 Min	-0.165	-0.2379	3.0818	0.0324	-0.3682	-0.0405
Base	22	94	CIM4 Max	0.1699	0.0048	1.8975	0.3143	0.3688	0.0223
Base	22	94	CIM4 Min	-0.1984	-0.1978	1.6349	-0.0922	-0.4378	-0.0408
Base	22	94	CIM5 Max	0.1699	0.0048	1.8975	0.3143	0.3688	0.0223
Base	22	94	CIM5 Min	-0.1984	-0.1978	1.6349	-0.0922	-0.4378	-0.0408
Base	22	94	EX Max	0.2024	0.1113	0.1443	0.2233	0.4432	0.0347
Base	22	94	EX Min	-0.2024	-0.1113	-0.1443	-0.2233	-0.4432	-0.0347
Base	22	94	EY Max	0.2024	0.1113	0.1443	0.2233	0.4432	0.0347
Base	22	94	EY Min	-0.2024	-0.1113	-0.1443	-0.2233	-0.4432	-0.0347
Base	22	94	SERVICIO	-0.0279	-0.1622	3.2591	0.1848	-0.0685	-0.0173
Base	23	98	PPROPIO	-0.0454	-0.1759	2.6377	0.1897	-0.0837	0.0171
Base	23	98	ACABADOS	-0.0074	0.0133	0.0545	-0.0275	-0.0135	0.0037
Base	23	98	CIELOFALSO	-0.0114	0.0094	0.1722	-0.0196	-0.0194	0.0027
Base	23	98	ANTEPECHO	0	0	0	0	0	0
Base	23	98	VIVA	-0.0152	0.0222	0.153	-0.046	-0.0271	0.0063
Base	23	98	IMP	-0.0009	0.0029	-0.0044	-0.006	-0.0017	0.0008
Base	23	98	ESCALERA	0	0	0	0	0	0
Base	23	98	SXSPC Max	0.5913	0.3581	0.897	0.8572	1.3669	0.0729
Base	23	98	SXSPC Min	0.2854	0.5338	0.409	1.3011	0.665	0.0887

Table 5.4 - Joint Reactions (continued)

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	98	SISMOX	-0.6111	0.2233	0.7628	-0.527	-1.4219	0.0157
Base	23	98	SISMOY	0.0403	-0.6625	0.3239	1.6252	0.1046	0.005
Base	23	98	DERX Max	0.9703	0.5877	1.4721	1.4067	2.2432	0.1196
Base	23	98	DERY Max	0.462	0.864	0.662	2.1061	1.0764	0.1435
Base	23	98	UMBX Max	0.2155	0.1331	0.3225	0.3195	0.4978	0.0297
Base	23	98	UMBY Max	0.1281	0.2114	0.1583	0.5122	0.2982	0.0397
Base	23	98	PARTICIONES	0	0	0	0	0	0
Base	23	98	VIENTOX	0	0	0	0	0	0
Base	23	98	VIENTOY	0	0	0	0	0	0
Base	23	98	CMUERTA	-0.065	-0.1503	2.86	0.1365	-0.1183	0.0244
Base	23	98	CVIVA	-0.0152	0.0222	0.153	-0.046	-0.0271	0.0063
Base	23	98	DER0	-0.065	-0.1503	2.86	0.1365	-0.1183	0.0244
Base	23	98	CIM0	-0.065	-0.1503	2.86	0.1365	-0.1183	0.0244
Base	23	98	CIM1	-0.0803	-0.1281	3.013	0.0905	-0.1453	0.0306
Base	23	98	CIM2 Max	0.043	-0.0613	3.156	0.2752	0.1376	0.0438
Base	23	98	CIM2 Min	-0.1959	-0.206	2.7935	-0.0712	-0.4147	0.0143
Base	23	98	DIS0	-0.0911	-0.2104	4.004	0.1911	-0.1656	0.0341
Base	23	98	DIS1	-0.1024	-0.1449	3.6768	0.0902	-0.1852	0.0393
Base	23	98	DIS2 Max	0.1343	-0.0204	3.9302	0.4477	0.357	0.0635
Base	23	98	DIS2 Min	-0.3208	-0.296	3.2398	-0.2121	-0.695	0.0075
Base	23	98	ENVCIM Max	0.1202	0.0063	3.156	0.3128	0.2972	0.0438
Base	23	98	ENVCIM Min	-0.1983	-0.206	1.4744	-0.149	-0.4392	-0.005
Base	23	98	ENVVG Max	0.169	0.0025	4.004	0.4527	0.4195	0.0635
Base	23	98	ENVVG Min	-0.3208	-0.296	2.2288	-0.2121	-0.695	-0.0061
Base	23	98	ENVVGT Max	-0.0911	-0.1449	4.004	0.1911	-0.1656	0.0393
Base	23	98	ENVVGT Min	-0.1024	-0.2104	3.6768	0.0902	-0.1852	0.0341
Base	23	98	DIS3 Max	0.1343	-0.0204	3.9302	0.4477	0.357	0.0635
Base	23	98	DIS3 Min	-0.3208	-0.296	3.2398	-0.2121	-0.695	0.0075
Base	23	98	DIS4 Max	0.169	0.0025	2.9192	0.4527	0.4195	0.05
Base	23	98	DIS4 Min	-0.2861	-0.2731	2.2288	-0.207	-0.6325	-0.0061
Base	23	98	DIS5 Max	0.169	0.0025	2.9192	0.4527	0.4195	0.05
Base	23	98	DIS5 Min	-0.2861	-0.2731	2.2288	-0.207	-0.6325	-0.0061
Base	23	98	DER1	-0.0803	-0.1281	3.013	0.0905	-0.1453	0.0306
Base	23	98	DER2 Max	0.7552	0.5015	4.2278	1.6309	1.786	0.151
Base	23	98	DER2 Min	-0.9081	-0.7688	1.7217	-1.4269	-2.0632	-0.0929
Base	23	98	DER3 Max	0.4884	0.6465	3.8025	1.9981	1.1735	0.1636
Base	23	98	DER3 Min	-0.6413	-0.9139	2.147	-1.7941	-1.4506	-0.1055
Base	23	98	DER4 Max	1.0699	0.7567	3.3867	2.1205	2.4952	0.1772
Base	23	98	DER4 Min	-1.1479	-0.9371	0.0453	-1.9567	-2.6371	-0.148
Base	23	98	DER5 Max	0.7141	0.9501	2.8197	2.61	1.6784	0.194
Base	23	98	DER5 Min	-0.7921	-1.1305	0.6124	-2.4462	-1.8203	-0.1648
Base	23	98	CIM3 Max	0.043	-0.0613	3.156	0.2752	0.1376	0.0438
Base	23	98	CIM3 Min	-0.1959	-0.206	2.7935	-0.0712	-0.4147	0.0143
Base	23	98	CIM4 Max	0.1202	0.0063	1.9576	0.3128	0.2972	0.0342
Base	23	98	CIM4 Min	-0.1983	-0.1867	1.4744	-0.149	-0.4392	-0.005
Base	23	98	CIM5 Max	0.1202	0.0063	1.9576	0.3128	0.2972	0.0342
Base	23	98	CIM5 Min	-0.1983	-0.1867	1.4744	-0.149	-0.4392	-0.005
Base	23	98	EX Max	0.175	0.106	0.2655	0.2537	0.4046	0.0216
Base	23	98	EX Min	-0.175	-0.106	-0.2655	-0.2537	-0.4046	-0.0216

Table 5.4 - Joint Reactions (continued)

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	98	EY Max	0.175	0.106	0.2655	0.2537	0.4046	0.0216
Base	23	98	EY Min	-0.175	-0.106	-0.2655	-0.2537	-0.4046	-0.0216
Base	23	98	SERVICIO	-0.0803	-0.1281	3.013	0.0905	-0.1453	0.0306
Base	24	102	PPROPIO	-0.1612	0.03	2.6325	-0.0299	-0.288	-0.0061
Base	24	102	ACABADOS	-0.0094	-0.0015	-0.0461	0.0009	-0.0246	-0.0005
Base	24	102	CIELOFALSO	-0.0073	-0.0011	-0.022	0.0002	-0.0182	-0.0005
Base	24	102	ANTEPECHO	0	0	0	0	0	0
Base	24	102	VIVA	-0.016	-0.0025	-0.0721	0.0013	-0.0414	-0.0009
Base	24	102	IMP	-0.002	-0.0003	-0.0114	0.0003	-0.0053	-0.0001
Base	24	102	ESCALERA	0	0	0	0	0	0
Base	24	102	SXSPC Max	0.5487	0.3748	1.4926	0.7229	1.131	0.1364
Base	24	102	SYSPC Max	0.6405	0.7548	1.6681	1.4539	1.3143	0.11
Base	24	102	SISMOX	-0.8237	-0.1064	2.2694	-0.0878	-1.7539	-0.0804
Base	24	102	SISMOY	-0.0413	-1.0807	0.4705	2.0742	0.277	0.0522
Base	24	102	DERX Max	0.9004	0.6151	2.4495	1.1863	1.8561	0.2239
Base	24	102	DERY Max	1.0367	1.2217	2.7001	2.3533	2.1274	0.178
Base	24	102	UMBX Max	0.1857	0.1402	0.5047	0.2907	0.3995	0.0585
Base	24	102	UMBY Max	0.227	0.2477	0.5727	0.4949	0.4863	0.0491
Base	24	102	PARTICIONES	0	0	0	0	0	0
Base	24	102	VIENTOX	0	0	0	0	0	0
Base	24	102	VIENTOY	0	0	0	0	0	0
Base	24	102	CMUERTA	-0.18	0.0271	2.553	-0.0286	-0.3361	-0.0072
Base	24	102	CVIVA	-0.016	-0.0025	-0.0721	0.0013	-0.0414	-0.0009
Base	24	102	DER0	-0.18	0.0271	2.553	-0.0286	-0.3361	-0.0072
Base	24	102	CIM0	-0.18	0.0271	2.553	-0.0286	-0.3361	-0.0072
Base	24	102	CIM1	-0.196	0.0245	2.4809	-0.0273	-0.3775	-0.0081
Base	24	102	CIM2 Max	-0.0811	0.1009	2.8004	0.1184	-0.1387	0.0197
Base	24	102	CIM2 Min	-0.3028	-0.0506	2.1974	-0.1736	-0.5957	-0.0354
Base	24	102	DIS0	-0.2519	0.0379	3.5741	-0.04	-0.4705	-0.0101
Base	24	102	DIS1	-0.2416	0.0284	2.9482	-0.0322	-0.4696	-0.0101
Base	24	102	DIS2 Max	-0.0209	0.1742	3.5658	0.2452	-0.0095	0.043
Base	24	102	DIS2 Min	-0.4431	-0.1143	2.4171	-0.3112	-0.88	-0.062
Base	24	102	ENVCIM Max	0.0398	0.1172	2.8004	0.1776	0.103	0.0324
Base	24	102	ENVCIM Min	-0.3028	-0.0847	1.1297	-0.2118	-0.5957	-0.0411
Base	24	102	ENVVG Max	0.0492	0.1742	3.5741	0.2525	0.1327	0.046
Base	24	102	ENVVG Min	-0.4431	-0.1199	1.7233	-0.3112	-0.88	-0.062
Base	24	102	ENVVGT Max	-0.2416	0.0379	3.5741	-0.0322	-0.4696	-0.0101
Base	24	102	ENVVGT Min	-0.2519	0.0284	2.9482	-0.04	-0.4705	-0.0101
Base	24	102	DIS3 Max	-0.0209	0.1742	3.5658	0.2452	-0.0095	0.043
Base	24	102	DIS3 Min	-0.4431	-0.1143	2.4171	-0.3112	-0.88	-0.062
Base	24	102	DIS4 Max	0.0492	0.1686	2.872	0.2525	0.1327	0.046
Base	24	102	DIS4 Min	-0.3731	-0.1199	1.7233	-0.3039	-0.7377	-0.059
Base	24	102	DIS5 Max	0.0492	0.1686	2.872	0.2525	0.1327	0.046
Base	24	102	DIS5 Min	-0.3731	-0.1199	1.7233	-0.3039	-0.7377	-0.059
Base	24	102	DER1	-0.196	0.0245	2.4809	-0.0273	-0.3775	-0.0081
Base	24	102	DER2 Max	0.7166	0.7614	4.9435	1.3916	1.5036	0.2001
Base	24	102	DER2 Min	-1.1005	-0.7111	0.0543	-1.4468	-2.2379	-0.2158
Base	24	102	DER3 Max	0.7881	1.0798	5.0751	2.0043	1.646	0.176
Base	24	102	DER3 Min	-1.1721	-1.0295	-0.0773	-2.0595	-2.3804	-0.1917

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	24	102	DER4 Max	1.1034	0.9979	4.7913	1.8752	2.2927	0.2729
Base	24	102	DER4 Min	-1.3194	-0.9654	-1.7277	-1.9094	-2.696	-0.2816
Base	24	102	DER5 Max	1.1988	1.4225	4.9667	2.6921	2.4826	0.2409
Base	24	102	DER5 Min	-1.4148	-1.39	-1.9032	-2.7263	-2.8859	-0.2495
Base	24	102	CIM3 Max	-0.0811	0.1009	2.8004	0.1184	-0.1387	0.0197
Base	24	102	CIM3 Min	-0.3028	-0.0506	2.1974	-0.1736	-0.5957	-0.0354
Base	24	102	CIM4 Max	0.0398	0.1172	1.9338	0.1776	0.103	0.0324
Base	24	102	CIM4 Min	-0.2558	-0.0847	1.1297	-0.2118	-0.5063	-0.0411
Base	24	102	CIM5 Max	0.0398	0.1172	1.9338	0.1776	0.103	0.0324
Base	24	102	CIM5 Min	-0.2558	-0.0847	1.1297	-0.2118	-0.5063	-0.0411
Base	24	102	EX Max	0.1624	0.111	0.4418	0.214	0.3348	0.0404
Base	24	102	EX Min	-0.1624	-0.111	-0.4418	-0.214	-0.3348	-0.0404
Base	24	102	EY Max	0.1624	0.111	0.4418	0.214	0.3348	0.0404
Base	24	102	EY Min	-0.1624	-0.111	-0.4418	-0.214	-0.3348	-0.0404
Base	24	102	SERVICIO	-0.196	0.0245	2.4809	-0.0273	-0.3775	-0.0081
Base	25	106	PPROPIO	0.0846	-0.0412	6.7716	0.0023	0.0778	0.005
Base	25	106	ACABADOS	0.0039	-0.0051	0.693	-0.0005	-0.0003	0.0003
Base	25	106	CIELOFALSO	-0.0017	-0.0014	0.7682	-0.004	-0.0077	0.0001
Base	25	106	ANTEPECHO	0	0	0	0	0	0
Base	25	106	VIVA	0.0044	-0.0075	1.2857	-0.0025	-0.004	0.0005
Base	25	106	IMP	0.0014	-0.0014	0.1176	0.0003	0.0008	0.0001
Base	25	106	ESCALERA	0	0	0	0	0	0
Base	25	106	SXSPC Max	0.8026	0.2013	0.4845	0.6767	1.7383	0.0715
Base	25	106	SYSPC Max	0.7818	0.2726	0.8464	0.9311	1.6818	0.0629
Base	25	106	SISMOX	-1.1181	0.1499	-0.127	-0.4768	-2.4386	-0.0381
Base	25	106	SISMOY	0.5628	-0.3589	0.953	1.2301	1.1623	0.0284
Base	25	106	DERX Max	1.3171	0.3304	0.7951	1.1106	2.8526	0.1173
Base	25	106	DERY Max	1.2655	0.4413	1.3701	1.5071	2.7222	0.1018
Base	25	106	UMBX Max	0.3258	0.08	0.1737	0.2679	0.7048	0.0325
Base	25	106	UMBY Max	0.3224	0.1057	0.3376	0.3584	0.6923	0.0282
Base	25	106	PARTICIONES	0	0	0	0	0	0
Base	25	106	VIENTOX	0	0	0	0	0	0
Base	25	106	VIENTOY	0	0	0	0	0	0
Base	25	106	CMUERTA	0.0882	-0.049	8.3505	-0.0019	0.0705	0.0055
Base	25	106	CVIVA	0.0044	-0.0075	1.2857	-0.0025	-0.004	0.0005
Base	25	106	DER0	0.0882	-0.049	8.3505	-0.0019	0.0705	0.0055
Base	25	106	CIM0	0.0882	-0.049	8.3505	-0.0019	0.0705	0.0055
Base	25	106	CIM1	0.0926	-0.0565	9.6362	-0.0044	0.0665	0.0059
Base	25	106	CIM2 Max	0.2536	-0.014	9.4126	0.133	0.4187	0.0203
Base	25	106	CIM2 Min	-0.0707	-0.0953	9.2169	-0.1404	-0.2837	-0.0086
Base	25	106	DIS0	0.1234	-0.0687	11.6907	-0.0026	0.0988	0.0077
Base	25	106	DIS1	0.1128	-0.0708	12.0777	-0.0062	0.0782	0.0073
Base	25	106	DIS2 Max	0.419	0.0111	11.4927	0.2557	0.7495	0.0345
Base	25	106	DIS2 Min	-0.1986	-0.1438	11.1198	-0.2651	-0.5883	-0.0205
Base	25	106	ENVCIM Max	0.2691	0.0248	9.6362	0.1812	0.5105	0.0225
Base	25	106	ENVCIM Min	-0.1633	-0.0953	4.8798	-0.1834	-0.4259	-0.016
Base	25	106	ENVVG Max	0.419	0.0333	12.0777	0.2587	0.7495	0.0345
Base	25	106	ENVVG Min	-0.2295	-0.1438	7.329	-0.2651	-0.6054	-0.0226
Base	25	106	ENVVGT Max	0.1234	-0.0687	12.0777	-0.0026	0.0988	0.0077

Table 5.4 - Joint Reactions (continued)

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	106	ENVVGT Min	0.1128	-0.0708	11.6907	-0.0062	0.0782	0.0073
Base	25	106	DIS3 Max	0.419	0.0111	11.4927	0.2557	0.7495	0.0345
Base	25	106	DIS3 Min	-0.1986	-0.1438	11.1198	-0.2651	-0.5883	-0.0205
Base	25	106	DIS4 Max	0.3882	0.0333	7.7019	0.2587	0.7324	0.0324
Base	25	106	DIS4 Min	-0.2295	-0.1216	7.329	-0.2621	-0.6054	-0.0226
Base	25	106	DIS5 Max	0.3882	0.0333	7.7019	0.2587	0.7324	0.0324
Base	25	106	DIS5 Min	-0.2295	-0.1216	7.329	-0.2621	-0.6054	-0.0226
Base	25	106	DER1	0.0926	-0.0565	9.6362	-0.0044	0.0665	0.0059
Base	25	106	DER2 Max	1.364	0.2924	10.2194	1.1683	2.8195	0.1167
Base	25	106	DER2 Min	-1.1811	-0.4017	8.4101	-1.1758	-2.6845	-0.1051
Base	25	106	DER3 Max	1.3369	0.3506	10.5212	1.3765	2.751	0.1086
Base	25	106	DER3 Min	-1.154	-0.4599	8.1083	-1.384	-2.616	-0.0969
Base	25	106	DER4 Max	1.7497	0.4333	6.2165	1.5616	3.7116	0.1512
Base	25	106	DER4 Min	-1.6439	-0.4922	3.8041	-1.5638	-3.627	-0.1446
Base	25	106	DER5 Max	1.7135	0.5109	6.6189	1.8392	3.6203	0.1403
Base	25	106	DER5 Min	-1.6077	-0.5698	3.4017	-1.8414	-3.5357	-0.1337
Base	25	106	CIM3 Max	0.2536	-0.014	9.4126	0.133	0.4187	0.0203
Base	25	106	CIM3 Min	-0.0707	-0.0953	9.2169	-0.1404	-0.2837	-0.0086
Base	25	106	CIM4 Max	0.2691	0.0248	5.1408	0.1812	0.5105	0.0225
Base	25	106	CIM4 Min	-0.1633	-0.0837	4.8798	-0.1834	-0.4259	-0.016
Base	25	106	CIM5 Max	0.2691	0.0248	5.1408	0.1812	0.5105	0.0225
Base	25	106	CIM5 Min	-0.1633	-0.0837	4.8798	-0.1834	-0.4259	-0.016
Base	25	106	EX Max	0.2376	0.0596	0.1434	0.2003	0.5145	0.0212
Base	25	106	EX Min	-0.2376	-0.0596	-0.1434	-0.2003	-0.5145	-0.0212
Base	25	106	EY Max	0.2376	0.0596	0.1434	0.2003	0.5145	0.0212
Base	25	106	EY Min	-0.2376	-0.0596	-0.1434	-0.2003	-0.5145	-0.0212
Base	25	106	SERVICIO	0.0926	-0.0565	9.6362	-0.0044	0.0665	0.0059
Base	26	110	PPROPIO	-0.026	-0.0135	3.0473	-0.0088	-0.0803	0.015
Base	26	110	ACABADOS	-0.0056	-0.001	0.3294	-0.0049	-0.014	0.0008
Base	26	110	CIELOFALSO	-0.0143	0.0025	0.702	-0.0089	-0.026	0.0003
Base	26	110	ANTEPECHO	0	0	0	0	0	0
Base	26	110	VIVA	-0.0142	-0.0002	0.7671	-0.0107	-0.0308	0.0011
Base	26	110	IMP	2.171E-05	-0.0006	0.0148	-0.0004	-0.0011	0.0002
Base	26	110	ESCALERA	0	0	0	0	0	0
Base	26	110	SXSPC Max	0.6993	0.2272	0.7997	0.8606	1.5736	0.0723
Base	26	110	SYSPC Max	0.6675	0.2758	0.7491	1.0178	1.5026	0.1055
Base	26	110	SISMOX	-1.0089	0.0863	-1.1686	-0.4061	-2.2619	0.045
Base	26	110	SISMOY	0.3956	-0.3613	0.3482	1.3469	0.9166	0.0235
Base	26	110	DERX Max	1.1476	0.3728	1.3123	1.4123	2.5824	0.1187
Base	26	110	DERY Max	1.0805	0.4464	1.2126	1.6474	2.4322	0.1708
Base	26	110	UMBX Max	0.2807	0.0911	0.3183	0.3531	0.6331	0.0259
Base	26	110	UMBY Max	0.2733	0.096	0.3022	0.3616	0.616	0.0375
Base	26	110	PARTICIONES	0	0	0	0	0	0
Base	26	110	VIENTOX	0	0	0	0	0	0
Base	26	110	VIENTOY	0	0	0	0	0	0
Base	26	110	CMUERTA	-0.0459	-0.0126	4.0934	-0.023	-0.1214	0.0163
Base	26	110	CVIVA	-0.0142	-0.0002	0.7671	-0.0107	-0.0308	0.0011
Base	26	110	DER0	-0.0459	-0.0126	4.0934	-0.023	-0.1214	0.0163
Base	26	110	CIM0	-0.0459	-0.0126	4.0934	-0.023	-0.1214	0.0163

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	26	110	CIM1	-0.0601	-0.0128	4.8606	-0.0337	-0.1522	0.0174
Base	26	110	CIM2 Max	0.0847	0.0331	4.8303	0.1428	0.1734	0.0317
Base	26	110	CIM2 Min	-0.1978	-0.0587	4.5072	-0.2049	-0.4624	0.0025
Base	26	110	DIS0	-0.0643	-0.0177	5.7308	-0.0322	-0.17	0.0228
Base	26	110	DIS1	-0.0778	-0.0155	6.1395	-0.0447	-0.195	0.0214
Base	26	110	DIS2 Max	0.1998	0.0721	5.987	0.2929	0.429	0.0485
Base	26	110	DIS2 Min	-0.3384	-0.1028	5.3715	-0.3695	-0.782	-0.0072
Base	26	110	ENVCIM Max	0.1608	0.0536	4.8606	0.218	0.351	0.0317
Base	26	110	ENVCIM Min	-0.2159	-0.0688	2.2407	-0.2456	-0.4967	-0.0097
Base	26	110	ENVVG Max	0.2278	0.0761	6.1395	0.3105	0.4963	0.0485
Base	26	110	ENVVG Min	-0.3384	-0.1028	3.3764	-0.3695	-0.782	-0.0132
Base	26	110	ENVVGT Max	-0.0643	-0.0155	6.1395	-0.0322	-0.17	0.0228
Base	26	110	ENVVGT Min	-0.0778	-0.0177	5.7308	-0.0447	-0.195	0.0214
Base	26	110	DIS3 Max	0.1998	0.0721	5.987	0.2929	0.429	0.0485
Base	26	110	DIS3 Min	-0.3384	-0.1028	5.3715	-0.3695	-0.782	-0.0072
Base	26	110	DIS4 Max	0.2278	0.0761	3.9918	0.3105	0.4963	0.0425
Base	26	110	DIS4 Min	-0.3104	-0.0988	3.3764	-0.3519	-0.7148	-0.0132
Base	26	110	DIS5 Max	0.2278	0.0761	3.9918	0.3105	0.4963	0.0425
Base	26	110	DIS5 Min	-0.3104	-0.0988	3.3764	-0.3519	-0.7148	-0.0132
Base	26	110	DER1	-0.0601	-0.0128	4.8606	-0.0337	-0.1522	0.0174
Base	26	110	DER2 Max	1.0472	0.3673	5.9259	1.3989	2.3395	0.1446
Base	26	110	DER2 Min	-1.1604	-0.3928	3.4117	-1.4609	-2.6285	-0.1103
Base	26	110	DER3 Max	1.012	0.4059	5.8735	1.5223	2.2606	0.172
Base	26	110	DER3 Min	-1.1252	-0.4315	3.4641	-1.5844	-2.5497	-0.1377
Base	26	110	DER4 Max	1.4442	0.4992	4.1322	1.8927	3.2392	0.1797
Base	26	110	DER4 Min	-1.4993	-0.5143	0.78	-1.9204	-3.3849	-0.1601
Base	26	110	DER5 Max	1.3972	0.5507	4.0623	2.0573	3.134	0.2162
Base	26	110	DER5 Min	-1.4523	-0.5658	0.8498	-2.085	-3.2797	-0.1967
Base	26	110	CIM3 Max	0.0847	0.0331	4.8303	0.1428	0.1734	0.0317
Base	26	110	CIM3 Min	-0.1978	-0.0587	4.5072	-0.2049	-0.4624	0.0025
Base	26	110	CIM4 Max	0.1608	0.0536	2.6715	0.218	0.351	0.0292
Base	26	110	CIM4 Min	-0.2159	-0.0688	2.2407	-0.2456	-0.4967	-0.0097
Base	26	110	CIM5 Max	0.1608	0.0536	2.6715	0.218	0.351	0.0292
Base	26	110	CIM5 Min	-0.2159	-0.0688	2.2407	-0.2456	-0.4967	-0.0097
Base	26	110	EX Max	0.207	0.0672	0.2367	0.2547	0.4658	0.0214
Base	26	110	EX Min	-0.207	-0.0672	-0.2367	-0.2547	-0.4658	-0.0214
Base	26	110	EY Max	0.207	0.0672	0.2367	0.2547	0.4658	0.0214
Base	26	110	EY Min	-0.207	-0.0672	-0.2367	-0.2547	-0.4658	-0.0214
Base	26	110	SERVICIO	-0.0601	-0.0128	4.8606	-0.0337	-0.1522	0.0174
Base	27	114	PPROPIO	-0.0544	0.0166	2.7078	-0.0142	-0.1207	0.0101
Base	27	114	ACABADOS	-0.0077	0.0008	0.321	-0.0057	-0.0169	0.0005
Base	27	114	CIELOFALSO	-0.0057	0.0011	0.8124	-0.0069	-0.0137	-0.0003
Base	27	114	ANTEPECHO	0	0	0	0	0	0
Base	27	114	VIVA	-0.0129	0.0016	0.8071	-0.0108	-0.029	0.0005
Base	27	114	IMP	-0.0016	0.0001	-0.0012	-0.0009	-0.0035	0.0002
Base	27	114	ESCALERA	0	0	0	0	0	0
Base	27	114	SXSPC Max	0.7067	0.2725	0.552	0.9732	1.5781	0.0527
Base	27	114	SYSPC Max	0.6754	0.3178	0.5189	1.1107	1.5082	0.0661
Base	27	114	SISMOX	-1.0107	0.0938	0.7937	-0.3742	-2.2568	-0.0174

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	27	114	SISMOY	0.4306	-0.3686	-0.3194	1.338	0.9605	-0.032
Base	27	114	DERX Max	1.1597	0.4472	0.9059	1.5971	2.5897	0.0865
Base	27	114	DERY Max	1.0932	0.5143	0.84	1.7978	2.4412	0.1071
Base	27	114	UMBX Max	0.2853	0.1135	0.2243	0.4083	0.6369	0.0209
Base	27	114	UMBY Max	0.2776	0.1105	0.2138	0.3899	0.6198	0.0268
Base	27	114	PARTICIONES	0	0	0	0	0	0
Base	27	114	VIENTOX	0	0	0	0	0	0
Base	27	114	VIENTOY	0	0	0	0	0	0
Base	27	114	CMUERTA	-0.0694	0.0187	3.84	-0.0276	-0.1547	0.0105
Base	27	114	CVIVA	-0.0129	0.0016	0.8071	-0.0108	-0.029	0.0005
Base	27	114	DER0	-0.0694	0.0187	3.84	-0.0276	-0.1547	0.0105
Base	27	114	CIM0	-0.0694	0.0187	3.84	-0.0276	-0.1547	0.0105
Base	27	114	CIM1	-0.0824	0.0204	4.6472	-0.0384	-0.1837	0.011
Base	27	114	CIM2 Max	0.0636	0.075	4.5569	0.1609	0.1423	0.0215
Base	27	114	CIM2 Min	-0.2219	-0.0351	4.3339	-0.2324	-0.4953	0.0002
Base	27	114	DIS0	-0.0972	0.0262	5.3761	-0.0387	-0.2166	0.0147
Base	27	114	DIS1	-0.104	0.0251	5.8994	-0.0504	-0.232	0.0134
Base	27	114	DIS2 Max	0.1757	0.129	5.6276	0.3305	0.3926	0.0334
Base	27	114	DIS2 Min	-0.3682	-0.0808	5.2028	-0.4185	-0.8219	-0.0072
Base	27	114	ENVCIM Max	0.1487	0.0846	4.6472	0.2456	0.3322	0.0215
Base	27	114	ENVCIM Min	-0.232	-0.0622	2.1553	-0.2787	-0.5179	-0.0079
Base	27	114	ENVVG Max	0.2094	0.129	5.8994	0.3496	0.468	0.0334
Base	27	114	ENVVG Min	-0.3682	-0.088	3.2436	-0.4185	-0.8219	-0.0108
Base	27	114	ENVVGT Max	-0.0972	0.0262	5.8994	-0.0387	-0.2166	0.0147
Base	27	114	ENVVGT Min	-0.104	0.0251	5.3761	-0.0504	-0.232	0.0134
Base	27	114	DIS3 Max	0.1757	0.129	5.6276	0.3305	0.3926	0.0334
Base	27	114	DIS3 Min	-0.3682	-0.0808	5.2028	-0.4185	-0.8219	-0.0072
Base	27	114	DIS4 Max	0.2094	0.1217	3.6685	0.3496	0.468	0.0297
Base	27	114	DIS4 Min	-0.3344	-0.088	3.2436	-0.3994	-0.7465	-0.0108
Base	27	114	DIS5 Max	0.2094	0.1217	3.6685	0.3496	0.468	0.0297
Base	27	114	DIS5 Min	-0.3344	-0.088	3.2436	-0.3994	-0.7465	-0.0108
Base	27	114	DER1	-0.0824	0.0204	4.6472	-0.0384	-0.1837	0.011
Base	27	114	DER2 Max	1.0366	0.4711	5.3138	1.5666	2.3151	0.0999
Base	27	114	DER2 Min	-1.1949	-0.4312	3.577	-1.6381	-2.668	-0.0781
Base	27	114	DER3 Max	1.0017	0.5063	5.2792	1.672	2.2371	0.1107
Base	27	114	DER3 Min	-1.16	-0.4665	3.6116	-1.7434	-2.59	-0.0889
Base	27	114	DER4 Max	1.446	0.6128	3.4619	2.1199	3.2292	0.1249
Base	27	114	DER4 Min	-1.5293	-0.5903	1.1462	-2.1531	-3.4149	-0.1123
Base	27	114	DER5 Max	1.3995	0.6598	3.4158	2.2604	3.1253	0.1393
Base	27	114	DER5 Min	-1.4828	-0.6373	1.1923	-2.2935	-3.3109	-0.1267
Base	27	114	CIM3 Max	0.0636	0.075	4.5569	0.1609	0.1423	0.0215
Base	27	114	CIM3 Min	-0.2219	-0.0351	4.3339	-0.2324	-0.4953	0.0002
Base	27	114	CIM4 Max	0.1487	0.0846	2.4527	0.2456	0.3322	0.0205
Base	27	114	CIM4 Min	-0.232	-0.0622	2.1553	-0.2787	-0.5179	-0.0079
Base	27	114	CIM5 Max	0.1487	0.0846	2.4527	0.2456	0.3322	0.0205
Base	27	114	CIM5 Min	-0.232	-0.0622	2.1553	-0.2787	-0.5179	-0.0079
Base	27	114	EX Max	0.2092	0.0807	0.1634	0.2881	0.4671	0.0156
Base	27	114	EX Min	-0.2092	-0.0807	-0.1634	-0.2881	-0.4671	-0.0156
Base	27	114	EY Max	0.2092	0.0807	0.1634	0.2881	0.4671	0.0156

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	27	114	EY Min	-0.2092	-0.0807	-0.1634	-0.2881	-0.4671	-0.0156
Base	27	114	SERVICIO	-0.0824	0.0204	4.6472	-0.0384	-0.1837	0.011
Base	28	118	PPROPIO	-0.3632	0.2298	5.8543	-0.3167	-0.6102	0.0129
Base	28	118	ACABADOS	0.0044	-0.0124	0.2544	0.0072	-0.0119	0.0003
Base	28	118	CIELOFALSO	0.0337	-0.0411	0.6409	0.0393	0.0316	-0.0012
Base	28	118	ANTEPECHO	0	0	0	0	0	0
Base	28	118	VIVA	0.0215	-0.0357	0.6383	0.0279	-0.0013	-0.0002
Base	28	118	IMP	-0.0028	0.0012	-0.0006	-0.0026	-0.0075	0.0002
Base	28	118	ESCALERA	0	0	0	0	0	0
Base	28	118	SXSPC Max	1.6089	1.9024	0.7719	3.9951	4.0813	0.1916
Base	28	118	SYSPC Max	1.5654	1.6958	0.7153	3.6005	3.9359	0.2736
Base	28	118	SISMOX	-2.344	1.1215	-0.6619	-2.2919	-5.9077	-0.1125
Base	28	118	SISMOY	0.8353	-1.9921	0.8222	4.343	2.2728	-0.012
Base	28	118	DERX Max	2.6403	3.122	1.2667	6.5562	6.6977	0.3144
Base	28	118	DERY Max	2.5339	2.7449	1.1579	5.8279	6.3708	0.4429
Base	28	118	UMBX Max	0.6306	0.8533	0.3426	1.7867	1.6204	0.0871
Base	28	118	UMBY Max	0.6337	0.683	0.2844	1.4366	1.6043	0.1004
Base	28	118	PARTICIONES	0	0	0	0	0	0
Base	28	118	VIENTOX	0	0	0	0	0	0
Base	28	118	VIENTOY	0	0	0	0	0	0
Base	28	118	CMUERTA	-0.3279	0.1775	6.7491	-0.2728	-0.5979	0.0121
Base	28	118	CVIVA	0.0215	-0.0357	0.6383	0.0279	-0.0013	-0.0002
Base	28	118	DER0	-0.3279	0.1775	6.7491	-0.2728	-0.5979	0.0121
Base	28	118	CIM0	-0.3279	0.1775	6.7491	-0.2728	-0.5979	0.0121
Base	28	118	CIM1	-0.3063	0.1418	7.3874	-0.2449	-0.5992	0.0119
Base	28	118	CIM2 Max	0.0133	0.5351	7.3837	0.5552	0.2256	0.0506
Base	28	118	CIM2 Min	-0.6367	-0.2336	7.0719	-1.0589	-1.4234	-0.0268
Base	28	118	DIS0	-0.459	0.2485	9.4487	-0.3819	-0.8371	0.0169
Base	28	118	DIS1	-0.359	0.1559	9.1202	-0.2827	-0.7196	0.0141
Base	28	118	DIS2 Max	0.2472	0.9094	9.0342	1.2379	0.8517	0.088
Base	28	118	DIS2 Min	-0.991	-0.5547	8.4402	-1.8368	-2.2893	-0.0594
Base	28	118	ENVCIM Max	0.2366	0.6189	7.3874	0.9125	0.7406	0.0589
Base	28	118	ENVCIM Min	-0.6367	-0.4059	3.8416	-1.2398	-1.4581	-0.0444
Base	28	118	ENVVG Max	0.324	0.9094	9.4487	1.2918	1.0323	0.088
Base	28	118	ENVVG Min	-0.991	-0.5723	5.7772	-1.8368	-2.2893	-0.0628
Base	28	118	ENVVGT Max	-0.359	0.2485	9.4487	-0.2827	-0.7196	0.0169
Base	28	118	ENVVGT Min	-0.459	0.1559	9.1202	-0.3819	-0.8371	0.0141
Base	28	118	DIS3 Max	0.2472	0.9094	9.0342	1.2379	0.8517	0.088
Base	28	118	DIS3 Min	-0.991	-0.5547	8.4402	-1.8368	-2.2893	-0.0594
Base	28	118	DIS4 Max	0.324	0.8918	6.3712	1.2918	1.0323	0.0846
Base	28	118	DIS4 Min	-0.9142	-0.5723	5.7772	-1.7828	-2.1086	-0.0628
Base	28	118	DIS5 Max	0.324	0.8918	6.3712	1.2918	1.0323	0.0846
Base	28	118	DIS5 Min	-0.9142	-0.5723	5.7772	-1.7828	-2.1086	-0.0628
Base	28	118	DER1	-0.3063	0.1418	7.3874	-0.2449	-0.5992	0.0119
Base	28	118	DER2 Max	2.2386	3.1099	8.4383	5.9766	5.8578	0.3474
Base	28	118	DER2 Min	-2.862	-2.8084	6.0173	-6.4803	-7.0556	-0.3236
Base	28	118	DER3 Max	2.1827	2.9119	8.3812	5.5942	5.6862	0.4149
Base	28	118	DER3 Min	-2.8062	-2.6104	6.0744	-6.0979	-6.884	-0.391
Base	28	118	DER4 Max	3.2037	4.052	5.6635	8.1409	8.2502	0.4546

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	28	118	DER4 Min	-3.5971	-3.839	2.4354	-8.4682	-8.9677	-0.4401
Base	28	118	DER5 Max	3.1292	3.788	5.5873	7.6311	8.0214	0.5445
Base	28	118	DER5 Min	-3.5226	-3.575	2.5116	-7.9584	-8.7389	-0.53
Base	28	118	CIM3 Max	0.0133	0.5351	7.3837	0.5552	0.2256	0.0506
Base	28	118	CIM3 Min	-0.6367	-0.2336	7.0719	-1.0589	-1.4234	-0.0268
Base	28	118	CIM4 Max	0.2366	0.6189	4.2574	0.9125	0.7406	0.0589
Base	28	118	CIM4 Min	-0.6301	-0.4059	3.8416	-1.2398	-1.4581	-0.0444
Base	28	118	CIM5 Max	0.2366	0.6189	4.2574	0.9125	0.7406	0.0589
Base	28	118	CIM5 Min	-0.6301	-0.4059	3.8416	-1.2398	-1.4581	-0.0444
Base	28	118	EX Max	0.4762	0.5631	0.2285	1.1826	1.2081	0.0567
Base	28	118	EX Min	-0.4762	-0.5631	-0.2285	-1.1826	-1.2081	-0.0567
Base	28	118	EY Max	0.4762	0.5631	0.2285	1.1826	1.2081	0.0567
Base	28	118	EY Min	-0.4762	-0.5631	-0.2285	-1.1826	-1.2081	-0.0567
Base	28	118	SERVICIO	-0.3063	0.1418	7.3874	-0.2449	-0.5992	0.0119
Base	29	122	PPROPIO	0.1844	-0.0364	2.2257	0.0469	0.1321	0.001
Base	29	122	ACABADOS	-0.0076	-0.0153	0.1172	0.0166	-0.015	0.0006
Base	29	122	CIELOFALSO	-0.0048	-0.0387	0.3007	0.0428	-0.008	0.0002
Base	29	122	ANTEPECHO	0	0	0	0	0	0
Base	29	122	VIVA	-0.0124	-0.0384	0.2966	0.0422	-0.0239	0.0009
Base	29	122	IMP	-0.0017	0.0001	-0.0009	-0.0001	-0.0036	0.0001
Base	29	122	ESCALERA	0	0	0	0	0	0
Base	29	122	SXSPC Max	0.8445	1.0876	1.1718	2.0642	1.8274	0.1389
Base	29	122	SYSPC Max	0.8109	0.9437	1.0013	1.7917	1.7528	0.1845
Base	29	122	SISMOX	-1.2263	0.5768	-1.0608	-1.0948	-2.6428	-0.031
Base	29	122	SISMOY	0.5194	-0.9486	1.0011	1.8061	1.0958	-0.0311
Base	29	122	DERX Max	1.3858	1.7848	1.9231	3.3875	2.9988	0.2279
Base	29	122	DERY Max	1.3125	1.5276	1.6208	2.9001	2.8372	0.2986
Base	29	122	UMBX Max	0.3411	0.4911	0.5278	0.9321	0.7351	0.0461
Base	29	122	UMBY Max	0.3351	0.3969	0.416	0.7531	0.7212	0.0584
Base	29	122	PARTICIONES	0	0	0	0	0	0
Base	29	122	VIENTOX	0	0	0	0	0	0
Base	29	122	VIENTOY	0	0	0	0	0	0
Base	29	122	CMUERTA	0.1703	-0.0903	2.6427	0.1062	0.1055	0.002
Base	29	122	CVIVA	-0.0124	-0.0384	0.2966	0.0422	-0.0239	0.0009
Base	29	122	DER0	0.1703	-0.0903	2.6427	0.1062	0.1055	0.002
Base	29	122	CIM0	0.1703	-0.0903	2.6427	0.1062	0.1055	0.002
Base	29	122	CIM1	0.1579	-0.1287	2.9393	0.1484	0.0816	0.0028
Base	29	122	CIM2 Max	0.3316	0.1006	3.1019	0.5549	0.4568	0.0307
Base	29	122	CIM2 Min	-0.0096	-0.3388	2.6285	-0.2792	-0.2816	-0.0254
Base	29	122	DIS0	0.2384	-0.1264	3.6998	0.1487	0.1477	0.0027
Base	29	122	DIS1	0.1845	-0.1698	3.6459	0.1949	0.0884	0.0038
Base	29	122	DIS2 Max	0.5169	0.2717	3.9188	0.964	0.8059	0.0567
Base	29	122	DIS2 Min	-0.133	-0.5653	3.017	-0.6247	-0.6004	-0.0502
Base	29	122	ENVCIM Max	0.3316	0.2388	3.1019	0.6198	0.5555	0.0386
Base	29	122	ENVCIM Min	-0.1253	-0.3471	1.27	-0.4923	-0.4289	-0.0362
Base	29	122	ENVVG Max	0.5169	0.3372	3.9188	0.964	0.8059	0.0567
Base	29	122	ENVVG Min	-0.1717	-0.5653	1.9275	-0.6987	-0.6082	-0.0517
Base	29	122	ENVVGT Max	0.2384	-0.1264	3.6998	0.1949	0.1477	0.0038
Base	29	122	ENVVGT Min	0.1845	-0.1698	3.6459	0.1487	0.0884	0.0027

Table 5.4 - Joint Reactions (continued)

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	122	DIS3 Max	0.5169	0.2717	3.9188	0.964	0.8059	0.0567
Base	29	122	DIS3 Min	-0.133	-0.5653	3.017	-0.6247	-0.6004	-0.0502
Base	29	122	DIS4 Max	0.4782	0.3372	2.8294	0.8899	0.7981	0.0552
Base	29	122	DIS4 Min	-0.1717	-0.4998	1.9275	-0.6987	-0.6082	-0.0517
Base	29	122	DIS5 Max	0.4782	0.3372	2.8294	0.8899	0.7981	0.0552
Base	29	122	DIS5 Min	-0.1717	-0.4998	1.9275	-0.6987	-0.6082	-0.0517
Base	29	122	DER1	0.1579	-0.1287	2.9393	0.1484	0.0816	0.0028
Base	29	122	DER2 Max	1.4957	1.5632	4.6722	3.331	2.9751	0.2408
Base	29	122	DER2 Min	-1.1737	-1.8014	1.0582	-3.0553	-2.7999	-0.2355
Base	29	122	DER3 Max	1.4572	1.4281	4.5135	3.0751	2.8902	0.2779
Base	29	122	DER3 Min	-1.1352	-1.6664	1.2169	-2.7994	-2.715	-0.2726
Base	29	122	DER4 Max	1.8817	2.1889	3.9949	4.3213	3.9133	0.3187
Base	29	122	DER4 Min	-1.6774	-2.2972	-0.8237	-4.1938	-3.7867	-0.3163
Base	29	122	DER5 Max	1.8304	2.0088	3.7833	3.9801	3.8001	0.3682
Base	29	122	DER5 Min	-1.6261	-2.1172	-0.6121	-3.8526	-3.6735	-0.3658
Base	29	122	CIM3 Max	0.3316	0.1006	3.1019	0.5549	0.4568	0.0307
Base	29	122	CIM3 Min	-0.0096	-0.3388	2.6285	-0.2792	-0.2816	-0.0254
Base	29	122	CIM4 Max	0.3296	0.2388	1.9013	0.6198	0.5555	0.0386
Base	29	122	CIM4 Min	-0.1253	-0.3471	1.27	-0.4923	-0.4289	-0.0362
Base	29	122	CIM5 Max	0.3296	0.2388	1.9013	0.6198	0.5555	0.0386
Base	29	122	CIM5 Min	-0.1253	-0.3471	1.27	-0.4923	-0.4289	-0.0362
Base	29	122	EX Max	0.25	0.3219	0.3469	0.611	0.5409	0.0411
Base	29	122	EX Min	-0.25	-0.3219	-0.3469	-0.611	-0.5409	-0.0411
Base	29	122	EY Max	0.25	0.3219	0.3469	0.611	0.5409	0.0411
Base	29	122	EY Min	-0.25	-0.3219	-0.3469	-0.611	-0.5409	-0.0411
Base	29	122	SERVICIO	0.1579	-0.1287	2.9393	0.1484	0.0816	0.0028
Base	30	126	PPROPIO	0.0031	-0.2096	3.4534	0.2481	-0.0596	-0.0005
Base	30	126	ACABADOS	-0.0016	0.0183	0.2619	-0.0224	-0.005	0.0002
Base	30	126	CIELOFALSO	-0.001	0.045	0.6539	-0.0542	-0.0028	-0.0003
Base	30	126	ANTEPECHO	0	0	0	0	0	0
Base	30	126	VIVA	-0.0025	0.0455	0.6543	-0.0551	-0.008	0.0001
Base	30	126	IMP	-0.0004	0.0001	0.0001	-0.0002	-0.0012	0.0001
Base	30	126	ESCALERA	0	0	0	0	0	0
Base	30	126	SXSPC Max	0.6161	1.5559	0.6317	2.9172	1.7859	0.1225
Base	30	126	SXSPC Min	0.6891	1.3517	0.548	2.5338	1.9715	0.1569
Base	30	126	SISMOX	-0.6135	0.8225	0.3409	-1.5448	-1.8346	-0.0583
Base	30	126	SISMOY	0.1342	-1.3715	-0.5558	2.5679	0.4259	-0.0083
Base	30	126	DERX Max	1.011	2.5533	1.0367	4.7872	2.9308	0.201
Base	30	126	DERX Min	1.1155	2.188	0.887	4.1013	3.1912	0.254
Base	30	126	UMBX Max	0.2201	0.7023	0.2853	1.3168	0.6441	0.0439
Base	30	126	UMBY Max	0.235	0.5673	0.2301	1.0637	0.6783	0.0519
Base	30	126	PARTICIONES	0	0	0	0	0	0
Base	30	126	VIENTOX	0	0	0	0	0	0
Base	30	126	VIENTOY	0	0	0	0	0	0
Base	30	126	CMUERTA	0.0002	-0.1462	4.3693	0.1714	-0.0686	-0.0005
Base	30	126	CVIVA	-0.0025	0.0455	0.6543	-0.0551	-0.008	0.0001
Base	30	126	DER0	0.0002	-0.1462	4.3693	0.1714	-0.0686	-0.0005
Base	30	126	CIM0	0.0002	-0.1462	4.3693	0.1714	-0.0686	-0.0005
Base	30	126	CIM1	-0.0023	-0.1007	5.0236	0.1162	-0.0765	-0.0004

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	30	126	CIM2 Max	0.1228	0.2022	4.9876	0.7193	0.2863	0.0243
Base	30	126	CIM2 Min	-0.1261	-0.4264	4.7324	-0.4593	-0.4353	-0.0252
Base	30	126	DIS0	0.0003	-0.2046	6.117	0.2399	-0.096	-0.0007
Base	30	126	DIS1	-0.0038	-0.1027	6.29	0.1174	-0.095	-0.0005
Base	30	126	DIS2 Max	0.2348	0.4688	6.1405	1.273	0.597	0.0466
Base	30	126	DIS2 Min	-0.2393	-0.7287	5.6544	-0.972	-0.7775	-0.0476
Base	30	126	ENVCIM Max	0.1661	0.3314	5.0236	0.8886	0.4399	0.0327
Base	30	126	ENVCIM Min	-0.1658	-0.5068	2.4514	-0.683	-0.5222	-0.0333
Base	30	126	ENVVG Max	0.2373	0.4688	6.29	1.2767	0.6255	0.0467
Base	30	126	ENVVG Min	-0.2393	-0.7303	3.6893	-0.972	-0.7775	-0.0476
Base	30	126	ENVVGT Max	0.0003	-0.1027	6.29	0.2399	-0.095	-0.0005
Base	30	126	ENVVGT Min	-0.0038	-0.2046	6.117	0.1174	-0.096	-0.0007
Base	30	126	DIS3 Max	0.2348	0.4688	6.1405	1.273	0.597	0.0466
Base	30	126	DIS3 Min	-0.2393	-0.7287	5.6544	-0.972	-0.7775	-0.0476
Base	30	126	DIS4 Max	0.2373	0.4672	4.1754	1.2767	0.6255	0.0467
Base	30	126	DIS4 Min	-0.2369	-0.7303	3.6893	-0.9683	-0.7489	-0.0476
Base	30	126	DIS5 Max	0.2373	0.4672	4.1754	1.2767	0.6255	0.0467
Base	30	126	DIS5 Min	-0.2369	-0.7303	3.6893	-0.9683	-0.7489	-0.0476
Base	30	126	DER1	-0.0023	-0.1007	5.0236	0.1162	-0.0765	-0.0004
Base	30	126	DER2 Max	1.0076	2.2952	5.8371	4.6432	2.8416	0.2075
Base	30	126	DER2 Min	-1.0109	-2.5194	3.8829	-4.3832	-2.9906	-0.2083
Base	30	126	DER3 Max	1.0624	2.1034	5.7585	4.2832	2.9783	0.2353
Base	30	126	DER3 Min	-1.0658	-2.3276	3.9615	-4.0231	-3.1273	-0.2362
Base	30	126	DER4 Max	1.3458	3.122	3.9243	6.1204	3.847	0.2769
Base	30	126	DER4 Min	-1.3456	-3.2974	1.3188	-5.9148	-3.9293	-0.2775
Base	30	126	DER5 Max	1.4189	2.8663	3.8195	5.6403	4.0293	0.314
Base	30	126	DER5 Min	-1.4186	-3.0417	1.4236	-5.4347	-4.1115	-0.3146
Base	30	126	CIM3 Max	0.1228	0.2022	4.9876	0.7193	0.2863	0.0243
Base	30	126	CIM3 Min	-0.1261	-0.4264	4.7324	-0.4593	-0.4353	-0.0252
Base	30	126	CIM4 Max	0.1661	0.3314	2.7917	0.8886	0.4399	0.0327
Base	30	126	CIM4 Min	-0.1658	-0.5068	2.4514	-0.683	-0.5222	-0.0333
Base	30	126	CIM5 Max	0.1661	0.3314	2.7917	0.8886	0.4399	0.0327
Base	30	126	CIM5 Min	-0.1658	-0.5068	2.4514	-0.683	-0.5222	-0.0333
Base	30	126	EX Max	0.1824	0.4605	0.187	0.8635	0.5286	0.0363
Base	30	126	EX Min	-0.1824	-0.4605	-0.187	-0.8635	-0.5286	-0.0363
Base	30	126	EY Max	0.1824	0.4605	0.187	0.8635	0.5286	0.0363
Base	30	126	EY Min	-0.1824	-0.4605	-0.187	-0.8635	-0.5286	-0.0363
Base	30	126	SERVICIO	-0.0023	-0.1007	5.0236	0.1162	-0.0765	-0.0004
Base	31	130	PPROPIO	-0.0001	-1.539E-06	1.029	5.386E-06	-0.0005	2.942E-05
Base	31	130	ACABADOS	-1.589E-05	9.427E-06	0.2413	-3.299E-05	-0.0001	8.335E-07
Base	31	130	CIELOFALSO	-1.656E-05	1.584E-05	0.6034	-0.0001	-0.0001	0
Base	31	130	ANTEPECHO	0	0	0	0	0	0
Base	31	130	VIVA	-2.899E-05	1.999E-05	0.6034	-0.0001	-0.0001	1.212E-06
Base	31	130	IMP	-2.824E-06	9.422E-07	0	-3.298E-06	-9.884E-06	0
Base	31	130	ESCALERA	0	0	0	0	0	0
Base	31	130	SXSPC Max	0.3316	0.0271	0	0.0947	1.1605	0.0006
Base	31	130	SXSPC Min	0.0185	0.3443	0	1.205	0.0649	0.0007
Base	31	130	SISMOX	-0.2529	0.0045	0	-0.0156	-0.8853	0.0003
Base	31	130	SISMOY	0.0019	-0.2524	0	0.8833	0.0068	-0.0002

Table 5.4 - Joint Reactions (continued)

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	130	DERX Max	0.5441	0.0444	0	0.1554	1.9045	0.001
Base	31	130	DERY Max	0.03	0.5573	0	1.9504	0.1051	0.0011
Base	31	130	UMBX Max	0.1213	0.0217	0	0.076	0.4244	0.0003
Base	31	130	UMBY Max	0.0158	0.1098	0	0.3842	0.0551	0.0003
Base	31	130	PARTICIONES	0	0	0	0	0	0
Base	31	130	VIENTOX	0	0	0	0	0	0
Base	31	130	VIENTOY	0	0	0	0	0	0
Base	31	130	CMUERTA	-0.0002	2.467E-05	1.8737	-0.0001	-0.0006	3.069E-05
Base	31	130	CVIVA	-2.899E-05	1.999E-05	0.6034	-0.0001	-0.0001	1.212E-06
Base	31	130	DER0	-0.0002	2.467E-05	1.8737	-0.0001	-0.0006	3.069E-05
Base	31	130	CIM0	-0.0002	2.467E-05	1.8737	-0.0001	-0.0006	3.069E-05
Base	31	130	CIM1	-0.0002	4.466E-05	2.4771	-0.0002	-0.0007	3.19E-05
Base	31	130	CIM2 Max	0.0668	0.0055	2.3263	0.019	0.2338	0.0002
Base	31	130	CIM2 Min	-0.0672	-0.0054	2.3263	-0.0193	-0.2351	-0.0001
Base	31	130	DIS0	-0.0002	3.454E-05	2.6232	-0.0001	-0.0008	4.296E-05
Base	31	130	DIS1	-0.0003	0.0001	3.2139	-0.0002	-0.0009	3.877E-05
Base	31	130	DIS2 Max	0.1274	0.0105	2.8518	0.0363	0.4457	0.0003
Base	31	130	DIS2 Min	-0.1278	-0.0104	2.8518	-0.0366	-0.4474	-0.0002
Base	31	130	ENVCIM Max	0.0892	0.0073	2.4771	0.0255	0.3122	0.0002
Base	31	130	ENVCIM Min	-0.0894	-0.0073	1.1242	-0.0256	-0.313	-0.0002
Base	31	130	ENVVG Max	0.1274	0.0105	3.2139	0.0364	0.446	0.0003
Base	31	130	ENVVG Min	-0.1278	-0.0104	1.6864	-0.0366	-0.4474	-0.0002
Base	31	130	ENVVGT Max	-0.0002	0.0001	3.2139	-0.0001	-0.0008	4.296E-05
Base	31	130	ENVVGT Min	-0.0003	3.454E-05	2.6232	-0.0002	-0.0009	3.877E-05
Base	31	130	DIS3 Max	0.1274	0.0105	2.8518	0.0363	0.4457	0.0003
Base	31	130	DIS3 Min	-0.1278	-0.0104	2.8518	-0.0366	-0.4474	-0.0002
Base	31	130	DIS4 Max	0.1274	0.0104	1.6864	0.0364	0.446	0.0003
Base	31	130	DIS4 Min	-0.1277	-0.0104	1.6864	-0.0365	-0.4471	-0.0002
Base	31	130	DIS5 Max	0.1274	0.0104	1.6864	0.0364	0.446	0.0003
Base	31	130	DIS5 Min	-0.1277	-0.0104	1.6864	-0.0365	-0.4471	-0.0002
Base	31	130	DER1	-0.0002	4.466E-05	2.4771	-0.0002	-0.0007	3.19E-05
Base	31	130	DER2 Max	0.4147	0.1587	2.3263	0.5553	1.4513	0.0011
Base	31	130	DER2 Min	-0.4151	-0.1586	2.3263	-0.5555	-1.4527	-0.001
Base	31	130	DER3 Max	0.1447	0.428	2.3263	1.4977	0.5066	0.0011
Base	31	130	DER3 Min	-0.1451	-0.4279	2.3263	-1.4979	-0.508	-0.001
Base	31	130	DER4 Max	0.553	0.2116	1.1242	0.7405	1.9356	0.0014
Base	31	130	DER4 Min	-0.5532	-0.2116	1.1242	-0.7406	-1.9364	-0.0013
Base	31	130	DER5 Max	0.1932	0.5706	1.1242	1.997	0.676	0.0014
Base	31	130	DER5 Min	-0.1934	-0.5706	1.1242	-1.9971	-0.6768	-0.0014
Base	31	130	CIM3 Max	0.0668	0.0055	2.3263	0.019	0.2338	0.0002
Base	31	130	CIM3 Min	-0.0672	-0.0054	2.3263	-0.0193	-0.2351	-0.0001
Base	31	130	CIM4 Max	0.0892	0.0073	1.1242	0.0255	0.3122	0.0002
Base	31	130	CIM4 Min	-0.0894	-0.0073	1.1242	-0.0256	-0.313	-0.0002
Base	31	130	CIM5 Max	0.0892	0.0073	1.1242	0.0255	0.3122	0.0002
Base	31	130	CIM5 Min	-0.0894	-0.0073	1.1242	-0.0256	-0.313	-0.0002
Base	31	130	EX Max	0.0981	0.008	0	0.028	0.3435	0.0002
Base	31	130	EX Min	-0.0981	-0.008	0	-0.028	-0.3435	-0.0002
Base	31	130	EY Max	0.0981	0.008	0	0.028	0.3435	0.0002
Base	31	130	EY Min	-0.0981	-0.008	0	-0.028	-0.3435	-0.0002

Table 5.4 - Joint Reactions (continued)

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	130	SERVICIO	-0.0002	4.466E-05	2.4771	-0.0002	-0.0007	3.19E-05
Base	32	134	PROPIO	0.2224	0.0912	4.7977	-0.0952	0.2134	0.0085
Base	32	134	ACABADOS	-0.0038	0.0002	0.1111	-0.0015	-0.0087	0.0004
Base	32	134	CIELOFALSO	-0.0041	-0.0013	0.2845	-0.001	-0.0096	0.0001
Base	32	134	ANTEPECHO	0	0	0	0	0	0
Base	32	134	VIVA	-0.007	-0.0004	0.2809	-0.0025	-0.0161	0.0005
Base	32	134	IMP	-0.0007	0.0002	-0.0008	-0.0003	-0.0015	0.0001
Base	32	134	ESCALERA	0	0	0	0	0	0
Base	32	134	SXSPC Max	1.3506	1.6388	1.4468	3.0316	2.6229	0.0984
Base	32	134	SYSPC Max	1.1331	1.4178	1.2086	2.6258	2.2033	0.1172
Base	32	134	SISMOX	-1.4933	0.9001	-1.3542	-1.6481	-2.912	0.0038
Base	32	134	SISMOY	0.6597	-1.4074	0.889	2.6214	1.2652	0.0229
Base	32	134	DERX Max	2.2164	2.6893	2.3743	4.975	4.3044	0.1615
Base	32	134	DERY Max	1.8341	2.2949	1.9564	4.2502	3.5664	0.1896
Base	32	134	UMBX Max	0.6024	0.7409	0.6542	1.37	1.1685	0.0366
Base	32	134	UMBY Max	0.4742	0.5974	0.5129	1.1053	0.9209	0.0422
Base	32	134	PARTICIONES	0	0	0	0	0	0
Base	32	134	VIENTOX	0	0	0	0	0	0
Base	32	134	VIENTOY	0	0	0	0	0	0
Base	32	134	CMUERTA	0.2138	0.0902	5.1925	-0.0981	0.1937	0.0091
Base	32	134	CVIVA	-0.007	-0.0004	0.2809	-0.0025	-0.0161	0.0005
Base	32	134	DER0	0.2138	0.0902	5.1925	-0.0981	0.1937	0.0091
Base	32	134	CIM0	0.2138	0.0902	5.1925	-0.0981	0.1937	0.0091
Base	32	134	CIM1	0.2068	0.0899	5.4734	-0.1006	0.1777	0.0095
Base	32	134	CIM2 Max	0.4814	0.421	5.6955	0.5125	0.7116	0.0293
Base	32	134	CIM2 Min	-0.0643	-0.2411	5.1109	-0.7124	-0.3482	-0.0105
Base	32	134	DIS0	0.2994	0.1263	7.2695	-0.1373	0.2712	0.0127
Base	32	134	DIS1	0.2454	0.1077	6.6805	-0.1217	0.2068	0.0117
Base	32	134	DIS2 Max	0.7693	0.7385	7.0687	1.0464	1.2257	0.0492
Base	32	134	DIS2 Min	-0.2701	-0.5227	5.9552	-1.2868	-0.7929	-0.0265
Base	32	134	ENVCIM Max	0.4921	0.4956	5.6955	0.7577	0.8227	0.0319
Base	32	134	ENVCIM Min	-0.2355	-0.3873	2.7258	-0.8754	-0.5903	-0.0211
Base	32	134	ENVVG Max	0.7693	0.7385	7.2695	1.0783	1.2257	0.0492
Base	32	134	ENVVG Min	-0.3273	-0.5494	4.1165	-1.2868	-0.8349	-0.0297
Base	32	134	ENVVGT Max	0.2994	0.1263	7.2695	-0.1217	0.2712	0.0127
Base	32	134	ENVVGT Min	0.2454	0.1077	6.6805	-0.1373	0.2068	0.0117
Base	32	134	DIS3 Max	0.7693	0.7385	7.0687	1.0464	1.2257	0.0492
Base	32	134	DIS3 Min	-0.2701	-0.5227	5.9552	-1.2868	-0.7929	-0.0265
Base	32	134	DIS4 Max	0.7122	0.7118	5.23	1.0783	1.1837	0.046
Base	32	134	DIS4 Min	-0.3273	-0.5494	4.1165	-1.2548	-0.8349	-0.0297
Base	32	134	DIS5 Max	0.7122	0.7118	5.23	1.0783	1.1837	0.046
Base	32	134	DIS5 Min	-0.3273	-0.5494	4.1165	-1.2548	-0.8349	-0.0297
Base	32	134	DER1	0.2068	0.0899	5.4734	-0.1006	0.1777	0.0095
Base	32	134	DER2 Max	2.2836	2.6233	7.6241	4.5876	4.2124	0.1732
Base	32	134	DER2 Min	-1.8664	-2.4434	3.1823	-4.7875	-3.849	-0.1543
Base	32	134	DER3 Max	2.0828	2.4163	7.4047	4.2071	3.8249	0.188
Base	32	134	DER3 Min	-1.6657	-2.2363	3.4017	-4.407	-3.4616	-0.1691
Base	32	134	DER4 Max	2.895	3.4319	6.0767	6.1913	5.4905	0.2238
Base	32	134	DER4 Min	-2.6384	-3.3237	0.1543	-6.309	-5.2581	-0.2129

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	32	134	DER5 Max	2.6273	3.1559	5.7842	5.6839	4.9739	0.2435
Base	32	134	DER5 Min	-2.3707	-3.0476	0.4469	-5.8016	-4.7414	-0.2326
Base	32	134	CIM3 Max	0.4814	0.421	5.6955	0.5125	0.7116	0.0293
Base	32	134	CIM3 Min	-0.0643	-0.2411	5.1109	-0.7124	-0.3482	-0.0105
Base	32	134	CIM4 Max	0.4921	0.4956	3.5052	0.7577	0.8227	0.0319
Base	32	134	CIM4 Min	-0.2355	-0.3873	2.7258	-0.8754	-0.5903	-0.0211
Base	32	134	CIM5 Max	0.4921	0.4956	3.5052	0.7577	0.8227	0.0319
Base	32	134	CIM5 Min	-0.2355	-0.3873	2.7258	-0.8754	-0.5903	-0.0211
Base	32	134	EX Max	0.3998	0.4851	0.4283	0.8974	0.7764	0.0291
Base	32	134	EX Min	-0.3998	-0.4851	-0.4283	-0.8974	-0.7764	-0.0291
Base	32	134	EY Max	0.3998	0.4851	0.4283	0.8974	0.7764	0.0291
Base	32	134	EY Min	-0.3998	-0.4851	-0.4283	-0.8974	-0.7764	-0.0291
Base	32	134	SERVICIO	0.2068	0.0899	5.4734	-0.1006	0.1777	0.0095
Base	33	138	PPROPIO	-0.011	0.0274	2.3629	-0.0543	-0.0411	0.0074
Base	33	138	ACABADOS	0.0004	0.0047	0.2739	-0.0086	-0.0039	0.0002
Base	33	138	CIELOFALSO	0.0036	0.0055	0.6839	-0.0099	-0.0001	-0.0004
Base	33	138	ANTEPECHO	0	0	0	0	0	0
Base	33	138	VIVA	0.0022	0.0089	0.6844	-0.0161	-0.0052	0.0001
Base	33	138	IMP	-0.0003	0.0008	0.0001	-0.0014	-0.0012	0.0001
Base	33	138	ESCALERA	0	0	0	0	0	0
Base	33	138	SXSPC Max	0.4149	1.2549	0.4699	2.3048	1.3564	0.0656
Base	33	138	SXSPC Min	0.4662	1.1427	0.4714	2.0921	1.4538	0.0923
Base	33	138	SISMOX	-0.5176	0.6771	0.1385	-1.2671	-1.7216	-0.0286
Base	33	138	SISMOY	0.0917	-1.4287	-0.6115	2.6062	0.4117	-0.0198
Base	33	138	DERX Max	0.6809	2.0593	0.7711	3.7823	2.2259	0.1076
Base	33	138	DERY Max	0.7546	1.8496	0.763	3.3864	2.3533	0.1494
Base	33	138	UMBX Max	0.159	0.5592	0.201	1.0282	0.5325	0.025
Base	33	138	UMBY Max	0.1675	0.4515	0.1726	0.8288	0.534	0.0319
Base	33	138	PARTICIONES	0	0	0	0	0	0
Base	33	138	VIENTOX	0	0	0	0	0	0
Base	33	138	VIENTOY	0	0	0	0	0	0
Base	33	138	CMUERTA	-0.0074	0.0384	3.3208	-0.0742	-0.0462	0.0073
Base	33	138	CVIVA	0.0022	0.0089	0.6844	-0.0161	-0.0052	0.0001
Base	33	138	DER0	-0.0074	0.0384	3.3208	-0.0742	-0.0462	0.0073
Base	33	138	CIM0	-0.0074	0.0384	3.3208	-0.0742	-0.0462	0.0073
Base	33	138	CIM1	-0.0053	0.0472	4.0052	-0.0904	-0.0514	0.0075
Base	33	138	CIM2 Max	0.078	0.2985	3.929	0.3793	0.2239	0.0207
Base	33	138	CIM2 Min	-0.0896	-0.2085	3.7392	-0.5519	-0.3242	-0.0058
Base	33	138	DIS0	-0.0104	0.0537	4.6492	-0.1039	-0.0647	0.0103
Base	33	138	DIS1	-0.0055	0.0602	5.08	-0.1149	-0.0638	0.009
Base	33	138	DIS2 Max	0.1529	0.5378	4.8502	0.7817	0.4613	0.0342
Base	33	138	DIS2 Min	-0.1664	-0.428	4.4886	-0.9921	-0.5826	-0.0163
Base	33	138	ENVCIM Max	0.1073	0.361	4.0052	0.5763	0.3376	0.0221
Base	33	138	ENVCIM Min	-0.1162	-0.315	1.8659	-0.6653	-0.3931	-0.0133
Base	33	138	ENVVG Max	0.153	0.5378	5.08	0.8201	0.4804	0.0342
Base	33	138	ENVVG Min	-0.1664	-0.4483	2.808	-0.9921	-0.5826	-0.0186
Base	33	138	ENVVGT Max	-0.0055	0.0602	5.08	-0.1039	-0.0638	0.0103
Base	33	138	ENVVGT Min	-0.0104	0.0537	4.6492	-0.1149	-0.0647	0.009
Base	33	138	DIS3 Max	0.1529	0.5378	4.8502	0.7817	0.4613	0.0342

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	33	138	DIS3 Min	-0.1664	-0.428	4.4886	-0.9921	-0.5826	-0.0163
Base	33	138	DIS4 Max	0.153	0.5174	3.1696	0.8201	0.4804	0.0318
Base	33	138	DIS4 Min	-0.1663	-0.4483	2.808	-0.9537	-0.5635	-0.0186
Base	33	138	DIS5 Max	0.153	0.5174	3.1696	0.8201	0.4804	0.0318
Base	33	138	DIS5 Min	-0.1663	-0.4483	2.808	-0.9537	-0.5635	-0.0186
Base	33	138	DER1	-0.0053	0.0472	4.0052	-0.0904	-0.0514	0.0075
Base	33	138	DER2 Max	0.6746	2.0056	4.5841	3.5124	2.1488	0.1217
Base	33	138	DER2 Min	-0.6863	-1.9156	3.0841	-3.685	-2.2491	-0.1069
Base	33	138	DER3 Max	0.7133	1.8955	4.5798	3.3045	2.2156	0.1437
Base	33	138	DER3 Min	-0.725	-1.8055	3.0884	-3.4772	-2.3159	-0.1288
Base	33	138	DER4 Max	0.9028	2.6372	2.9925	4.7537	2.9042	0.1568
Base	33	138	DER4 Min	-0.9117	-2.5911	0.9925	-4.8428	-2.9596	-0.148
Base	33	138	DER5 Max	0.9544	2.4904	2.9868	4.4766	2.9933	0.186
Base	33	138	DER5 Min	-0.9633	-2.4443	0.9982	-4.5656	-3.0488	-0.1772
Base	33	138	CIM3 Max	0.078	0.2985	3.929	0.3793	0.2239	0.0207
Base	33	138	CIM3 Min	-0.0896	-0.2085	3.7392	-0.5519	-0.3242	-0.0058
Base	33	138	CIM4 Max	0.1073	0.361	2.1191	0.5763	0.3376	0.0221
Base	33	138	CIM4 Min	-0.1162	-0.315	1.8659	-0.6653	-0.3931	-0.0133
Base	33	138	CIM5 Max	0.1073	0.361	2.1191	0.5763	0.3376	0.0221
Base	33	138	CIM5 Min	-0.1162	-0.315	1.8659	-0.6653	-0.3931	-0.0133
Base	33	138	EX Max	0.1228	0.3714	0.1391	0.6822	0.4015	0.0194
Base	33	138	EX Min	-0.1228	-0.3714	-0.1391	-0.6822	-0.4015	-0.0194
Base	33	138	EY Max	0.1228	0.3714	0.1391	0.6822	0.4015	0.0194
Base	33	138	EY Min	-0.1228	-0.3714	-0.1391	-0.6822	-0.4015	-0.0194
Base	33	138	SERVICIO	-0.0053	0.0472	4.0052	-0.0904	-0.0514	0.0075
Base	34	142	PPROPIO	-0.0214	0.0188	2.5781	-0.0437	-0.0487	-0.0047
Base	34	142	ACABADOS	-0.0015	0.0141	0.3519	-0.0194	-0.0056	-0.0001
Base	34	142	CIELOFALSO	-0.0016	0.0287	0.885	-0.0364	-0.0063	-0.0001
Base	34	142	ANTEPECHO	0	0	0	0	0	0
Base	34	142	VIVA	-0.0027	0.0322	0.8821	-0.0429	-0.0105	-0.0002
Base	34	142	IMP	-0.0003	0.0008	-0.0007	-0.0015	-0.0009	-2.415E-05
Base	34	142	ESCALERA	0	0	0	0	0	0
Base	34	142	SXSPC Max	0.4285	1.3988	1.0209	2.4822	1.4419	0.1011
Base	34	142	SXSPC Min	0.4338	1.2545	0.9042	2.2294	1.4158	0.1272
Base	34	142	SISMOX	-0.5236	0.8221	-0.6518	-1.4453	-1.7674	-0.0047
Base	34	142	SISMOY	0.1299	-1.5256	1.0178	2.723	0.4954	0.0455
Base	34	142	DERX Max	0.7032	2.2956	1.6754	4.0734	2.3662	0.1658
Base	34	142	DERY Max	0.7021	2.0306	1.4635	3.6086	2.2917	0.2058
Base	34	142	UMBX Max	0.1746	0.6263	0.4585	1.1108	0.5956	0.041
Base	34	142	UMBY Max	0.161	0.502	0.3662	0.891	0.5346	0.0461
Base	34	142	PARTICIONES	0	0	0	0	0	0
Base	34	142	VIENTOX	0	0	0	0	0	0
Base	34	142	VIENTOY	0	0	0	0	0	0
Base	34	142	CMUERTA	-0.0247	0.0624	3.8143	-0.101	-0.0617	-0.0049
Base	34	142	CVIVA	-0.0027	0.0322	0.8821	-0.0429	-0.0105	-0.0002
Base	34	142	DER0	-0.0247	0.0624	3.8143	-0.101	-0.0617	-0.0049
Base	34	142	CIM0	-0.0247	0.0624	3.8143	-0.101	-0.0617	-0.0049
Base	34	142	CIM1	-0.0274	0.0946	4.6965	-0.1439	-0.0722	-0.0051
Base	34	142	CIM2 Max	0.0598	0.3691	4.6822	0.3683	0.2217	0.0154

Table 5.4 - Joint Reactions (continued)

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	142	CIM2 Min	-0.1133	-0.1961	4.2697	-0.6346	-0.3608	-0.0254
Base	34	142	DIS0	-0.0346	0.0873	5.3401	-0.1414	-0.0863	-0.0068
Base	34	142	DIS1	-0.034	0.1264	5.9886	-0.1899	-0.0908	-0.0062
Base	34	142	DIS2 Max	0.1325	0.6453	5.8522	0.791	0.4703	0.0328
Base	34	142	DIS2 Min	-0.1973	-0.4312	5.0665	-1.1193	-0.6393	-0.0449
Base	34	142	ENVCIM Max	0.1006	0.4142	4.6965	0.608	0.3514	0.0243
Base	34	142	ENVCIM Min	-0.1302	-0.3394	2.0136	-0.7292	-0.4254	-0.0302
Base	34	142	ENVVG Max	0.1426	0.6453	5.9886	0.8642	0.4993	0.0345
Base	34	142	ENVVG Min	-0.1973	-0.4821	3.0401	-1.1193	-0.6393	-0.0449
Base	34	142	ENVVGT Max	-0.034	0.1264	5.9886	-0.1414	-0.0863	-0.0062
Base	34	142	ENVVGT Min	-0.0346	0.0873	5.3401	-0.1899	-0.0908	-0.0068
Base	34	142	DIS3 Max	0.1325	0.6453	5.8522	0.791	0.4703	0.0328
Base	34	142	DIS3 Min	-0.1973	-0.4312	5.0665	-1.1193	-0.6393	-0.0449
Base	34	142	DIS4 Max	0.1426	0.5944	3.8257	0.8642	0.4993	0.0345
Base	34	142	DIS4 Min	-0.1871	-0.4821	3.0401	-1.0461	-0.6103	-0.0433
Base	34	142	DIS5 Max	0.1426	0.5944	3.8257	0.8642	0.4993	0.0345
Base	34	142	DIS5 Min	-0.1871	-0.4821	3.0401	-1.0461	-0.6103	-0.0433
Base	34	142	DER1	-0.0274	0.0946	4.6965	-0.1439	-0.0722	-0.0051
Base	34	142	DER2 Max	0.6586	2.2651	6.0618	3.7338	2.2207	0.1657
Base	34	142	DER2 Min	-0.7121	-2.092	2.8901	-4.0002	-2.3598	-0.1757
Base	34	142	DER3 Max	0.658	2.126	5.9506	3.4898	2.1816	0.1867
Base	34	142	DER3 Min	-0.7116	-1.9529	3.0013	-3.7561	-2.3207	-0.1967
Base	34	142	DER4 Max	0.899	2.9422	4.403	5.0954	3.0167	0.2247
Base	34	142	DER4 Min	-0.9286	-2.8673	0.1742	-5.2166	-3.0907	-0.2305
Base	34	142	DER5 Max	0.8983	2.7567	4.2548	4.77	2.9645	0.2527
Base	34	142	DER5 Min	-0.9279	-2.6818	0.3224	-4.8912	-3.0385	-0.2585
Base	34	142	CIM3 Max	0.0598	0.3691	4.6822	0.3683	0.2217	0.0154
Base	34	142	CIM3 Min	-0.1133	-0.1961	4.2697	-0.6346	-0.3608	-0.0254
Base	34	142	CIM4 Max	0.1006	0.4142	2.5636	0.608	0.3514	0.0243
Base	34	142	CIM4 Min	-0.1302	-0.3394	2.0136	-0.7292	-0.4254	-0.0302
Base	34	142	CIM5 Max	0.1006	0.4142	2.5636	0.608	0.3514	0.0243
Base	34	142	CIM5 Min	-0.1302	-0.3394	2.0136	-0.7292	-0.4254	-0.0302
Base	34	142	EX Max	0.1268	0.4141	0.3022	0.7347	0.4268	0.0299
Base	34	142	EX Min	-0.1268	-0.4141	-0.3022	-0.7347	-0.4268	-0.0299
Base	34	142	EY Max	0.1268	0.4141	0.3022	0.7347	0.4268	0.0299
Base	34	142	EY Min	-0.1268	-0.4141	-0.3022	-0.7347	-0.4268	-0.0299
Base	34	142	SERVICIO	-0.0274	0.0946	4.6965	-0.1439	-0.0722	-0.0051
Base	35	150	PPROPIO	-1.8233	-2.818	13.409	2.7618	-2.7657	0.0203
Base	35	150	ACABADOS	-0.1765	-0.3072	0.8052	0.2794	-0.2717	0.0009
Base	35	150	CIELOFALSO	-0.1205	-0.1875	0.6615	0.153	-0.1887	3.355E-05
Base	35	150	ANTEPECHO	0	0	0	0	0	0
Base	35	150	VIVA	-0.2926	-0.4989	1.3868	0.4457	-0.452	0.0013
Base	35	150	IMP	-0.0391	-0.0708	0.1648	0.0665	-0.0598	0.0003
Base	35	150	ESCALERA	0	0	0	0	0	0
Base	35	150	SXSPC Max	1.4355	2.8075	1.7144	9.6058	3.5349	0.361
Base	35	150	SXSPC Min	1.3181	4.6957	1.7754	15.4728	3.2521	0.3094
Base	35	150	SISMOX	-2.1422	0.7819	2.3065	-4.5724	-5.2054	-0.2127
Base	35	150	SISMOY	0.1641	-5.9027	-1.5467	19.4861	1.1203	0.17
Base	35	150	DERX Max	2.3558	4.6074	2.8135	15.7638	5.801	0.5924

Table 5.4 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	35	150	DERY Max	2.1336	7.6006	2.8738	25.0449	5.264	0.5008
Base	35	150	UMBX Max	0.5679	1.0063	0.6957	3.5311	1.4138	0.1642
Base	35	150	UMBY Max	0.505	1.7918	0.7359	5.9848	1.2893	0.136
Base	35	150	PARTICIONES	0	0	0	0	0	0
Base	35	150	VIENTOX	0	0	0	0	0	0
Base	35	150	VIENTOY	0	0	0	0	0	0
Base	35	150	CMUERTA	-2.1594	-3.3834	15.0406	3.2608	-3.286	0.0216
Base	35	150	CVIVA	-0.2926	-0.4989	1.3868	0.4457	-0.452	0.0013
Base	35	150	DER0	-2.1594	-3.3834	15.0406	3.2608	-3.286	0.0216
Base	35	150	CIM0	-2.1594	-3.3834	15.0406	3.2608	-3.286	0.0216
Base	35	150	CIM1	-2.452	-3.8823	16.4274	3.7065	-3.7379	0.0229
Base	35	150	CIM2 Max	-2.0889	-3.1904	16.4271	5.5357	-2.9108	0.0955
Base	35	150	CIM2 Min	-2.6689	-4.3248	15.7344	1.6545	-4.339	-0.0504
Base	35	150	DIS0	-3.0232	-4.7367	21.0569	4.5651	-4.6003	0.0302
Base	35	150	DIS1	-3.0595	-4.8583	20.2676	4.6261	-4.6663	0.0279
Base	35	150	DIS2 Max	-2.3315	-3.4786	20.0953	8.055	-3.0349	0.1661
Base	35	150	DIS2 Min	-3.4363	-5.6393	18.7758	0.6624	-5.7553	-0.1117
Base	35	150	ENVCIM Max	-0.909	-1.2738	16.4274	5.5357	-2.9108	0.0955
Base	35	150	ENVCIM Min	-2.6689	-4.3248	8.5626	-0.631	-4.339	-0.0843
Base	35	150	ENVVG Max	-1.3911	-1.9647	21.0569	8.055	-1.5971	0.1661
Base	35	150	ENVVG Min	-3.4363	-5.6393	12.8769	-0.7616	-5.7553	-0.1195
Base	35	150	ENVVGT Max	-3.0232	-4.7367	21.0569	4.6261	-4.6003	0.0302
Base	35	150	ENVVGT Min	-3.0595	-4.8583	20.2676	4.5651	-4.6663	0.0279
Base	35	150	DIS3 Max	-2.3315	-3.4786	20.0953	8.055	-3.0349	0.1661
Base	35	150	DIS3 Min	-3.4363	-5.6393	18.7758	0.6624	-5.7553	-0.1117
Base	35	150	DIS4 Max	-1.3911	-1.9647	14.1963	6.631	-1.5971	0.1583
Base	35	150	DIS4 Min	-2.4959	-4.1254	12.8769	-0.7616	-4.3176	-0.1195
Base	35	150	DIS5 Max	-1.3911	-1.9647	14.1963	6.631	-1.5971	0.1583
Base	35	150	DIS5 Min	-2.4959	-4.1254	12.8769	-0.7616	-4.3176	-0.1195
Base	35	150	DER1	-2.452	-3.8823	16.4274	3.7065	-3.7379	0.0229
Base	35	150	DER2 Max	-0.132	1.4081	18.8374	21.053	1.9102	0.5795
Base	35	150	DER2 Min	-4.6258	-8.9232	13.324	-13.8628	-9.1601	-0.5344
Base	35	150	DER3 Max	-0.2486	2.9795	18.8691	25.9256	1.6283	0.5314
Base	35	150	DER3 Min	-4.5091	-10.4947	13.2924	-18.7354	-8.8782	-0.4863
Base	35	150	DER4 Max	1.7002	4.8575	12.7	25.2337	5.4086	0.7556
Base	35	150	DER4 Min	-4.2915	-8.9176	5.3488	-21.3208	-9.3518	-0.7297
Base	35	150	DER5 Max	1.5447	6.9527	12.7422	31.7305	5.0328	0.6914
Base	35	150	DER5 Min	-4.136	-11.0128	5.3066	-27.8176	-8.9759	-0.6655
Base	35	150	CIM3 Max	-2.0889	-3.1904	16.4271	5.5357	-2.9108	0.0955
Base	35	150	CIM3 Min	-2.6689	-4.3248	15.7344	1.6545	-4.339	-0.0504
Base	35	150	CIM4 Max	-0.909	-1.2738	9.4862	4.5439	-1.0194	0.1102
Base	35	150	CIM4 Min	-1.6823	-2.7863	8.5626	-0.631	-2.9237	-0.0843
Base	35	150	CIM5 Max	-0.909	-1.2738	9.4862	4.5439	-1.0194	0.1102
Base	35	150	CIM5 Min	-1.6823	-2.7863	8.5626	-0.631	-2.9237	-0.0843
Base	35	150	EX Max	0.4249	0.831	0.5075	2.8433	1.0463	0.1068
Base	35	150	EX Min	-0.4249	-0.831	-0.5075	-2.8433	-1.0463	-0.1068
Base	35	150	EY Max	0.4249	0.831	0.5075	2.8433	1.0463	0.1068
Base	35	150	EY Min	-0.4249	-0.831	-0.5075	-2.8433	-1.0463	-0.1068
Base	35	150	SERVICIO	-2.452	-3.8823	16.4274	3.7065	-3.7379	0.0229

Table 5.4 - Joint Reactions (continued)

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	154	PPROPIO	0.5837	0.9418	9.4147	-1.3645	0.8667	0.004
Base	36	154	ACABADOS	0.054	0.0887	0.551	-0.1349	0.0774	0.0003
Base	36	154	CIELOFALSO	0.0435	0.0542	0.3648	-0.0843	0.0582	-0.0003
Base	36	154	ANTEPECHO	0	0	0	0	0	0
Base	36	154	VIVA	0.0926	0.1442	0.9082	-0.22	0.1309	0.0002
Base	36	154	IMP	0.0111	0.0204	0.1235	-0.0309	0.0165	0.0001
Base	36	154	ESCALERA	0	0	0	0	0	0
Base	36	154	SXSPC Max	2.179	1.3098	0.8089	3.4384	5.9804	0.2119
Base	36	154	SYSPC Max	2.0808	1.5244	0.8564	3.7762	5.552	0.1959
Base	36	154	SISMOX	-2.3923	-0.4149	0.0055	0.4913	-6.3448	-0.0967
Base	36	154	SISMOY	-0.3062	-2.16	-1.2114	5.326	-0.2103	0.0506
Base	36	154	DERX Max	3.576	2.1495	1.3274	5.6426	9.8142	0.3477
Base	36	154	DERY Max	3.3681	2.4675	1.3862	6.1122	8.9867	0.317
Base	36	154	UMBX Max	0.9515	0.495	0.3329	1.3662	2.6408	0.0954
Base	36	154	UMBY Max	0.8505	0.4897	0.2972	1.2682	2.3093	0.0889
Base	36	154	PARTICIONES	0	0	0	0	0	0
Base	36	154	VIENTOX	0	0	0	0	0	0
Base	36	154	VIENTOY	0	0	0	0	0	0
Base	36	154	CMUERTA	0.6924	1.1051	10.454	-1.6145	1.0189	0.0041
Base	36	154	CVIVA	0.0926	0.1442	0.9082	-0.22	0.1309	0.0002
Base	36	154	DER0	0.6924	1.1051	10.454	-1.6145	1.0189	0.0041
Base	36	154	CIM0	0.6924	1.1051	10.454	-1.6145	1.0189	0.0041
Base	36	154	CIM1	0.785	1.2493	11.3623	-1.8346	1.1498	0.0043
Base	36	154	CIM2 Max	1.202	1.4779	11.2986	-1.0849	2.3252	0.0471
Base	36	154	CIM2 Min	0.3216	0.9487	10.9718	-2.4742	-0.0911	-0.0385
Base	36	154	DIS0	0.9693	1.5472	14.6356	-2.2603	1.4265	0.0057
Base	36	154	DIS1	0.979	1.5568	13.998	-2.2895	1.4321	0.0053
Base	36	154	DIS2 Max	1.7619	1.9744	13.7643	-0.8344	3.6548	0.0867
Base	36	154	DIS2 Min	0.0849	0.9663	13.1418	-3.4806	-0.9477	-0.0764
Base	36	154	ENVCIM Max	1.202	1.4779	11.3623	-0.0425	2.3252	0.0595
Base	36	154	ENVCIM Min	-0.1715	0.3103	6.0545	-2.4742	-0.9995	-0.0546
Base	36	154	ENVVG Max	1.7619	1.9744	14.6356	-0.13	3.6548	0.0867
Base	36	154	ENVVG Min	-0.2154	0.4906	9.0974	-3.4806	-1.3842	-0.0779
Base	36	154	ENVVGT Max	0.979	1.5568	14.6356	-2.2603	1.4321	0.0057
Base	36	154	ENVVGT Min	0.9693	1.5472	13.998	-2.2895	1.4265	0.0053
Base	36	154	DIS3 Max	1.7619	1.9744	13.7643	-0.8344	3.6548	0.0867
Base	36	154	DIS3 Min	0.0849	0.9663	13.1418	-3.4806	-0.9477	-0.0764
Base	36	154	DIS4 Max	1.4616	1.4987	9.7199	-0.13	3.2183	0.0852
Base	36	154	DIS4 Min	-0.2154	0.4906	9.0974	-2.7762	-1.3842	-0.0779
Base	36	154	DIS5 Max	1.4616	1.4987	9.7199	-0.13	3.2183	0.0852
Base	36	154	DIS5 Min	-0.2154	0.4906	9.0974	-2.7762	-1.3842	-0.0779
Base	36	154	DER1	0.785	1.2493	11.3623	-1.8346	1.1498	0.0043
Base	36	154	DER2 Max	4.2016	3.3806	12.4427	3.8277	10.4997	0.3364
Base	36	154	DER2 Min	-2.678	-0.9541	9.8277	-7.3868	-8.2656	-0.3279
Base	36	154	DER3 Max	4.0925	3.5475	12.4735	4.0742	10.0652	0.3203
Base	36	154	DER3 Min	-2.5689	-1.121	9.7969	-7.6333	-7.8311	-0.3118
Base	36	154	DER4 Max	5.0018	3.5529	8.0157	6.5076	13.1215	0.4453
Base	36	154	DER4 Min	-4.171	-2.2267	4.5291	-8.445	-11.8988	-0.4404
Base	36	154	DER5 Max	4.8563	3.7755	8.0568	6.8363	12.5423	0.4238

Table 5.4 - Joint Reactions (continued)

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	154	DER5 Min	-4.0255	-2.4493	4.488	-8.7737	-11.3196	-0.4189
Base	36	154	CIM3 Max	1.202	1.4779	11.2986	-1.0849	2.3252	0.0471
Base	36	154	CIM3 Min	0.3216	0.9487	10.9718	-2.4742	-0.0911	-0.0385
Base	36	154	CIM4 Max	1.0024	1.0159	6.4903	-0.0425	2.2222	0.0595
Base	36	154	CIM4 Min	-0.1715	0.3103	6.0545	-1.8949	-0.9995	-0.0546
Base	36	154	CIM5 Max	1.0024	1.0159	6.4903	-0.0425	2.2222	0.0595
Base	36	154	CIM5 Min	-0.1715	0.3103	6.0545	-1.8949	-0.9995	-0.0546
Base	36	154	EX Max	0.645	0.3877	0.2394	1.0178	1.7702	0.0627
Base	36	154	EX Min	-0.645	-0.3877	-0.2394	-1.0178	-1.7702	-0.0627
Base	36	154	EY Max	0.645	0.3877	0.2394	1.0178	1.7702	0.0627
Base	36	154	EY Min	-0.645	-0.3877	-0.2394	-1.0178	-1.7702	-0.0627
Base	36	154	SERVICIO	0.785	1.2493	11.3623	-1.8346	1.1498	0.0043
Base	41	166	PPROPIO	0.355	0.054	10.0498	-0.0159	0.5079	0.0374
Base	41	166	ACABADOS	0.0444	-0.0201	0.7088	0.0125	0.0527	0.0035
Base	41	166	CIELOFALSO	0.0229	-0.0065	0.4465	-0.0077	0.0141	0.003
Base	41	166	ANTEPECHO	0	0	0	0	0	0
Base	41	166	VIVA	0.0702	-0.0299	1.1578	0.0132	0.0772	0.0061
Base	41	166	IMP	0.0107	-0.0053	0.1617	0.0047	0.0143	0.0007
Base	41	166	ESCALERA	0	0	0	0	0	0
Base	41	166	SXSPC Max	3.0712	3.3725	1.5185	10.198	11.0901	0.2593
Base	41	166	SYSPC Max	2.7405	3.2077	1.4726	9.3623	9.5918	0.3756
Base	41	166	SISMOX	-3.6915	0.4571	-2.0674	-2.8327	-12.3264	-0.0186
Base	41	166	SISMOY	0.1122	-3.9471	-0.4615	11.0121	2.2319	-0.114
Base	41	166	DERX Max	5.04	5.5344	2.492	16.7355	18.1995	0.4256
Base	41	166	DERY Max	4.4358	5.1921	2.3836	15.1542	15.5257	0.6079
Base	41	166	UMBX Max	1.337	1.4516	0.6179	4.4841	4.9216	0.1095
Base	41	166	UMBY Max	1.1082	1.239	0.5431	3.7329	3.9959	0.1679
Base	41	166	PARTICIONES	0	0	0	0	0	0
Base	41	166	VIENTOX	0	0	0	0	0	0
Base	41	166	VIENTOY	0	0	0	0	0	0
Base	41	166	CMUERTA	0.433	0.0221	11.3668	-0.0064	0.5891	0.0446
Base	41	166	CVIVA	0.0702	-0.0299	1.1578	0.0132	0.0772	0.0061
Base	41	166	DER0	0.433	0.0221	11.3668	-0.0064	0.5891	0.0446
Base	41	166	CIM0	0.433	0.0221	11.3668	-0.0064	0.5891	0.0446
Base	41	166	CIM1	0.5032	-0.0078	12.5246	0.0068	0.6663	0.0507
Base	41	166	CIM2 Max	1.1061	0.681	12.5419	2.0637	2.8874	0.1016
Base	41	166	CIM2 Min	-0.1348	-0.6817	11.9283	-2.0567	-1.5934	-0.0032
Base	41	166	DIS0	0.6062	0.0309	15.9135	-0.0089	0.8247	0.0625
Base	41	166	DIS1	0.6319	-0.0214	15.4926	0.0135	0.8304	0.0633
Base	41	166	DIS2 Max	1.7716	1.2943	15.3822	3.9297	5.0515	0.1595
Base	41	166	DIS2 Min	-0.592	-1.3011	14.2136	-3.9186	-3.4834	-0.0401
Base	41	166	ENVCIM Max	1.1061	0.9217	12.5419	2.7431	3.3407	0.1016
Base	41	166	ENVCIM Min	-0.5674	-0.8952	6.411	-2.7508	-2.6338	-0.0431
Base	41	166	ENVVG Max	1.7716	1.3176	15.9135	3.9297	5.0515	0.1595
Base	41	166	ENVVG Min	-0.7921	-1.3011	9.6458	-3.9299	-3.7373	-0.0596
Base	41	166	ENVVGT Max	0.6319	0.0309	15.9135	0.0135	0.8304	0.0633
Base	41	166	ENVVGT Min	0.6062	-0.0214	15.4926	-0.0089	0.8247	0.0625
Base	41	166	DIS3 Max	1.7716	1.2943	15.3822	3.9297	5.0515	0.1595
Base	41	166	DIS3 Min	-0.592	-1.3011	14.2136	-3.9186	-3.4834	-0.0401

Table 5.4 - Joint Reactions (continued)

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	166	DIS4 Max	1.5715	1.3176	10.8144	3.9184	4.7976	0.14
Base	41	166	DIS4 Min	-0.7921	-1.2778	9.6458	-3.9299	-3.7373	-0.0596
Base	41	166	DIS5 Max	1.5715	1.3176	10.8144	3.9184	4.7976	0.14
Base	41	166	DIS5 Min	-0.7921	-1.2778	9.6458	-3.9299	-3.7373	-0.0596
Base	41	166	DER1	0.5032	-0.0078	12.5246	0.0068	0.6663	0.0507
Base	41	166	DER2 Max	5.2637	5.3187	14.6404	15.9649	17.7898	0.5052
Base	41	166	DER2 Min	-4.2924	-5.3194	9.8298	-15.9578	-16.4959	-0.4067
Base	41	166	DER3 Max	4.9465	5.139	14.5835	15.1346	16.3861	0.6009
Base	41	166	DER3 Min	-3.9752	-5.1397	9.8867	-15.1276	-15.0922	-0.5025
Base	41	166	DER4 Max	6.6305	7.1053	10.0271	21.278	23.2106	0.6347
Base	41	166	DER4 Min	-6.1109	-7.0788	3.613	-21.2856	-22.5037	-0.5811
Base	41	166	DER5 Max	6.2076	6.8657	9.9512	20.171	21.339	0.7623
Base	41	166	DER5 Min	-5.688	-6.8392	3.6889	-20.1787	-20.6321	-0.7088
Base	41	166	CIM3 Max	1.1061	0.681	12.5419	2.0637	2.8874	0.1016
Base	41	166	CIM3 Min	-0.1348	-0.6817	11.9283	-2.0567	-1.5934	-0.0032
Base	41	166	CIM4 Max	1.0871	0.9217	7.2291	2.7431	3.3407	0.0966
Base	41	166	CIM4 Min	-0.5674	-0.8952	6.411	-2.7508	-2.6338	-0.0431
Base	41	166	CIM5 Max	1.0871	0.9217	7.2291	2.7431	3.3407	0.0966
Base	41	166	CIM5 Min	-0.5674	-0.8952	6.411	-2.7508	-2.6338	-0.0431
Base	41	166	EX Max	0.9091	0.9982	0.4495	3.0186	3.2827	0.0768
Base	41	166	EX Min	-0.9091	-0.9982	-0.4495	-3.0186	-3.2827	-0.0768
Base	41	166	EY Max	0.9091	0.9982	0.4495	3.0186	3.2827	0.0768
Base	41	166	EY Min	-0.9091	-0.9982	-0.4495	-3.0186	-3.2827	-0.0768
Base	41	166	SERVICIO	0.5032	-0.0078	12.5246	0.0068	0.6663	0.0507

5.4 Modal Results

Table 5.5 - Modal Periods and Frequencies

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad²/sec²
Modal	1	0.296	3.379	21.2285	450.6471
Modal	2	0.269	3.719	23.3652	545.9319
Modal	3	0.229	4.372	27.4681	754.4993
Modal	4	0.215	4.65	29.2198	853.7941
Modal	5	0.21	4.758	29.8935	893.6201
Modal	6	0.205	4.889	30.7186	943.6313
Modal	7	0.176	5.691	35.7578	1278.6174
Modal	8	0.169	5.917	37.18	1382.3524
Modal	9	0.169	5.933	37.2753	1389.4511
Modal	10	0.168	5.954	37.4125	1399.6937
Modal	11	0.167	5.973	37.5297	1408.4785
Modal	12	0.16	6.245	39.2381	1539.625

Table 5.6 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	1	0.296	0.5082	0.3104	0	0.5082	0.3104	0
Modal	2	0.269	0.0027	0.008	0	0.5109	0.3184	0
Modal	3	0.229	0.0041	0.1768	0	0.515	0.4952	0

Table 5.6 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	4	0.215	0.1132	0.0279	0	0.6282	0.5231	0
Modal	5	0.21	0.0027	0.0002	0	0.6309	0.5233	0
Modal	6	0.205	0.0148	0.0367	0	0.6457	0.5601	0
Modal	7	0.176	0.0538	0.0501	0	0.6995	0.6101	0
Modal	8	0.169	0.0064	0.021	0	0.706	0.6312	0
Modal	9	0.169	0.0126	0.0056	0	0.7186	0.6368	0
Modal	10	0.168	0.0664	0.0103	0	0.7851	0.6471	0
Modal	11	0.167	0.0171	0.0015	0	0.8021	0.6485	0
Modal	12	0.16	0.1778	0.3006	0	0.9799	0.9491	0

Table 5.6 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	1	0.1847	0.3477	0.1309	0.1847	0.3477	0.1309
Modal	2	0.005	0.0116	0.0025	0.1897	0.3593	0.1334
Modal	3	0.15	0.0002	0.6411	0.3396	0.3595	0.7745
Modal	4	0.0114	0.0528	0.0275	0.351	0.4123	0.802
Modal	5	4.924E-05	0.001	1.491E-05	0.351	0.4132	0.802
Modal	6	0.0151	0.0093	0.0021	0.3661	0.4225	0.8041
Modal	7	0.0305	0.0265	0.1221	0.3966	0.4489	0.9262
Modal	8	0.0002	0.0112	0.0018	0.3968	0.4602	0.928
Modal	9	0	0.0001	0.0021	0.3968	0.4602	0.9301
Modal	10	0.0162	0.0297	0.0129	0.413	0.4899	0.943
Modal	11	0.001	0.0113	0.044	0.414	0.5012	0.987
Modal	12	0.1867	0.0595	0.0005	0.6007	0.5607	0.9875

Table 5.7 - Modal Load Participation Ratios

Case	Item Type	Item	Static %	Dynamic %
Modal	Acceleration	UX	99.6	97.99
Modal	Acceleration	UY	98.44	94.91
Modal	Acceleration	UZ	0	0

Table 5.8 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.296	0.555	0.332	0	0.113
Modal	2	0.269	0.529	0.334	0	0.138
Modal	3	0.229	0.018	0.316	0	0.666
Modal	4	0.215	0.307	0.076	0	0.616
Modal	5	0.21	0.251	0.022	0	0.726
Modal	6	0.205	0.087	0.215	0	0.698
Modal	7	0.176	0.117	0.11	0	0.773
Modal	8	0.169	0.183	0.589	0	0.228
Modal	9	0.169	0.681	0.276	0	0.044
Modal	10	0.168	0.611	0.151	0	0.239
Modal	11	0.167	0.196	0.017	0	0.788
Modal	12	0.16	0.277	0.458	0	0.265



Grupo de Infraestructura Cultural

Proyecto: *CASA MUSEO MEMORIA
MAPIRIPAN -META*

2024



Culturas

1. Agenda del día

1 Inicio del espacio: Saludo

2 Presentación Participantes

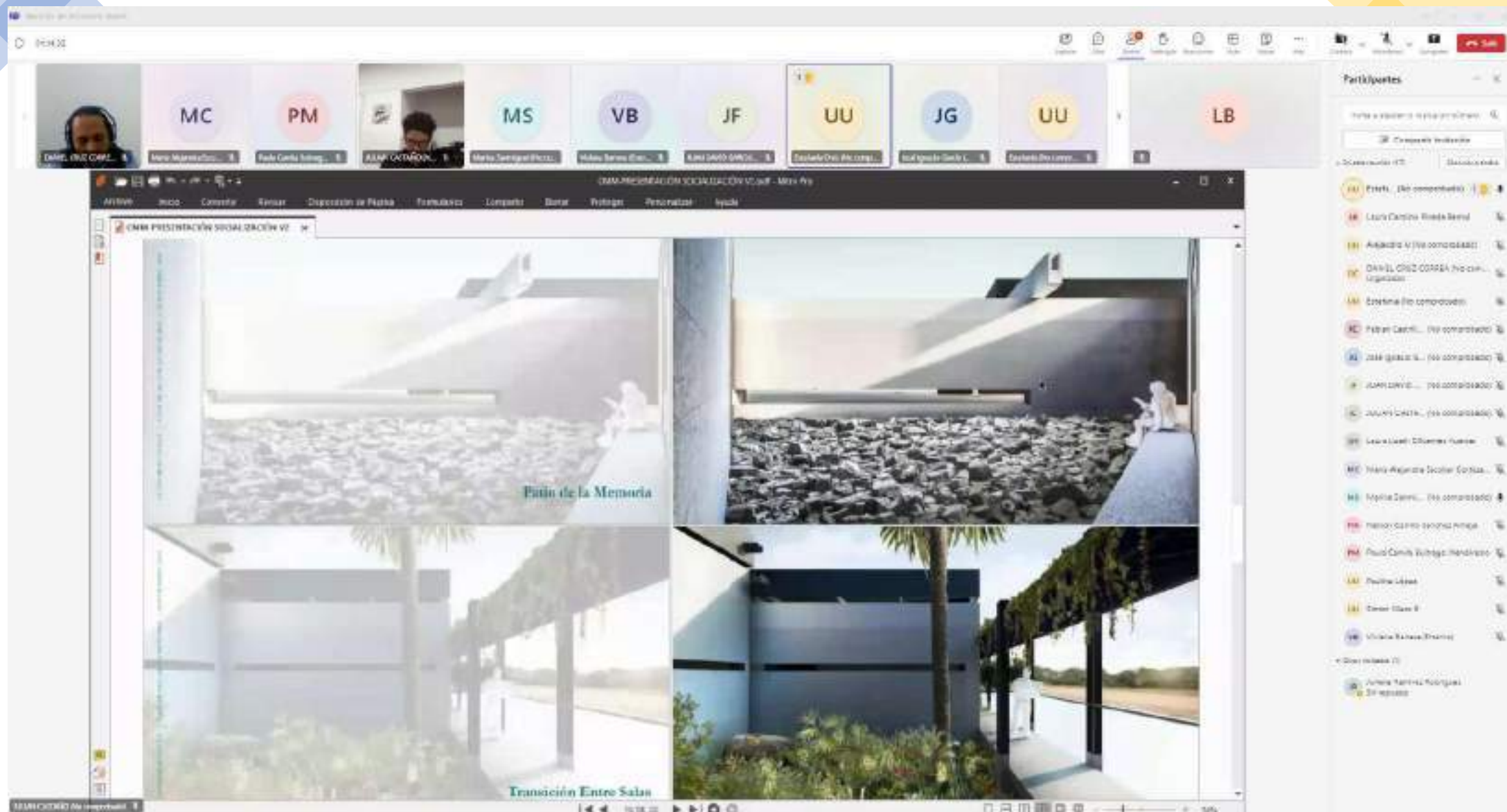
3 Contextualización Proyecto

- Presentación Estudios y Diseños (Anteproyecto Arquitectónico)

4 Preguntas-Comentarios

5 Conclusiones y Recomendaciones

6 Fin del espacio



Zoom Meeting

12:29 PM

LB MC PM JC MS JF UU JG UU UU PL SB FC LH

Carolina Pineda Bernal (No comprobado) María Alejandra Luciani Cardozo (No comprobado) Pablo Carlos Salgado Alvarado (No comprobado) JUAN CARLOS (No comprobado) Marina Carragual (No comprobado) Roberto Carlos Sanchez Araya GIAN DAVID GARCIA FLORES (No comprobado) JUAN DAVID (No comprobado) JUAN CASTR... (No comprobado) Laura Loreth Chumery Huertas Maria Walandra Escobar Cardozo... Mariana Zamora... (No comprobado) Paula Carolina Salgado Alvarado... Patricia López Elmore Viquez B. Victoria Barrios (Gubio) Jyane Fariñas Rodríguez Sin respuesta

Participantes

Invita a alguien a través de un número

Compartir invitación

Botón reunión (17)

Botón a todo

17

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

615

616

617

618

619

620

621

622

623

624

625

626

627

628

629

630

631

632

633

634

635

636

637

638

639

640

641

642

643

644

645

646

647

648

649

650

651

652

653

654

655

656

657

658

659

660

661

662

663

664

665

666

667

668

669

670

671

672

673

674

675

676

677

678

679

680

681

682

683

684

685

686

687

688

689

690

691

692

693

694

695

696

697

698

699

700

701

702

703

704

705

706

707

708

709

710

711

712

713

714

715

716

717

718

719

720

721

722

723

724

725

726

727

728

729

730

731

732

733

734

735

736

737

738

739

740

741

742

743

744

745

746

747

748

749

750

751

752

753

754

755

756

757

758

759

760

761

762

763

764

765

766

767

768

769

770

771

772

773

774

775

776

777

778

779

780

781

782

783

784

785

786

787

788

789

790

791

792

793

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

814

815

816

817

818

819

820

821

822

823

824

825

826

827

828

829

830

831

832

833

834

835

836

837

838

839

840

841

842

843

844

845

846

847

848

849

850

851

852

853

854

855

856

857

858

859

860

861

862

863

864

865

866

867

868

869

870

871

872

873

874

875

876

877

878

879

880

881

882

883

884

885

886

887

888

889

890

891

892

893

894

895

896

897

898

899

900

901

902

903

904

905

906

907

908

909

910

911

912

913

914

915

916

917

918

919

920

921

922

923

924

925

926

927

928

929

930

931

932

933

934

935

936

937

938

939

940

941

942

943

944

945

946

947

948

949

950

951

952

953

954

955

956

957

958

959

960

961

962

963

964

965

966

967

968

969

970

971

972

973

974

975

976

977

978

979

980

981

982

983

984

985

986

987

988

989

990

991

992

993

994

995

996

997

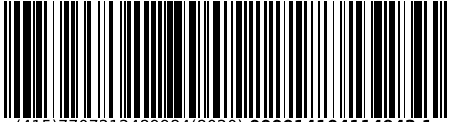
998

999

1000



GRACIAS

		Formulario del Registro Único Tributario				001	
2. Concepto 02 Actualización				4. Número de formulario 141041149421			
				 (415)7707212489984(8020) 000014104114942 1			
5. Número de Identificación Tributaria (NIT) 9 0 1 7 5 4 0 7 1		6. DV 7		12. Dirección seccional Impuestos de Bogotá		14. Buzón electrónico 3 2	
IDENTIFICACIÓN							
24. Tipo de contribuyente Persona jurídica		25. Tipo de documento 1		26. Número de Identificación		27. Fecha expedición	
Lugar de expedición		28. País		29. Departamento		30. Ciudad/Municipio	
31. Primer apellido		32. Segundo apellido		33. Primer nombre		34. Otros nombres	
35. Razón social CONSORCIO CEYET							
36. Nombre comercial				37. Sigla			
UBICACIÓN							
38. País COLOMBIA		39. Departamento Bogotá D.C.		40. Ciudad/Municipio Bogotá, D.C.		0 0 1	
41. Dirección principal CL 171 56 A 05							
42. Correo electrónico contabilidad@ceycoingenieria.com							
43. Código postal				44. Teléfono 1 6 0 1 7 5 8 0 7 6 5		45. Teléfono 2 3 1 7 4 3 9 6 2 4 9	
CLASIFICACIÓN							
Actividad económica				Ocupación			
Actividad principal		Actividad secundaria		Otras actividades		52. Número establecimientos	
46. Código 7 1 1 2	47. Fecha inicio actividad 2 0 2 3 0 8 3 0	48. Código	49. Fecha inicio actividad	50. Código 1 2	51. Código		
Responsabilidades, Calidades y Atributos							
53. Código 7 1 4 4 8 5 2 5 5							
07- Retención en la fuente a título de rent							
14- Informante de exogena							
48 - Impuesto sobre las ventas - IVA							
52 - Facturador electrónico							
55 - Informante de Beneficiarios Finales							
Usuarios aduaneros				Exportadores			
54. Código 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				55. Forma 56. Tipo Servicio 1 2 3 57. Modo 58. CPC			
IMPORTANTE: Sin perjuicio de las actualizaciones a que haya lugar, la inscripción en el Registro Único Tributario -RUT-, tendrá vigencia indefinida y en consecuencia no se exigirá su renovación							
Para uso exclusivo de la DIAN							
59. Anexos SI NO X		60. No. de Folios: 0		61. Fecha 2024 - 05 - 18 / 09 : 02: 09			
La información suministrada a través del formulario oficial de inscripción, actualización, suspensión y cancelación del Registro Único Tributario (RUT), deberá ser exacta y veraz; en caso de constatar inexactitud en alguno de los datos suministrados se adelantarán los procedimientos administrativos sancionatorios o de suspensión, según el caso, Parágrafo del artículo 1.6.1.2.6 del Decreto 1625 del 2016. De igual manera al formalizar el trámite el usuario fue informado y acepta la política de tratamiento de datos ley 1581 de 2012. Firma del solicitante:				Sin perjuicio de las verificaciones que la DIAN realice. Firma autorizada: 984. Nombre PEREZ ORTIZ GABRIELLA 985. Cargo Representante Legal Suplente Certificado			

		Formulario del Registro Único Tributario				001	
Espacio reservado para la DIAN				Página 2 de 5 Hoja 2			
				4. Número de formulario 141041149421			
				 (415)7707212489984(8020) 000014104114942 1			
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 1 7 5 4 0 7 1		7		Impuestos de Bogotá		3 2	
Características y formas de las organizaciones							
62. Naturaleza		2		63. Formas asociativas			
65. Fondos				66. Cooperativas			
68. Sin personería jurídica		3		69. Otras organizaciones no clasificadas			
				64. Entidades o institutos de derecho público de orden nacional, departamental, municipal y descentralizados			
				67. Sociedades y organismos extranjeros			
				70. Beneficio		1	
Constitución, Registro y Última Reforma							
Documento		1. Constitución		2. Reforma		Composición del Capital	
71. Clase		0 4				82. Nacional 1 0 0 %	
72. Número		0				83. Nacional público 0 . 0 %	
73. Fecha		2 0 2 3 0 8 3 0				84. Nacional privado 1 0 0 . 0 %	
74. Número de notaría						85. Extranjero 0 %	
75. Entidad de registro		9 8				86. Extranjero público 0 . 0 %	
76. Fecha de registro		2 0 2 3 0 8 3 0				87. Extranjero privado 0 . 0 %	
77. No. Matricula mercantil							
78. Departamento		0 5					
79. Ciudad/Municipio		0 0 1					
Vigencia							
80. Desde		2 0 2 3 0 9 1 5					
81. Hasta		2 0 2 5 0 1 3 0					
Entidad de vigilancia y control							
88. Entidad de vigilancia y control							
Ministerio de Cultura							
2 5							
Estado y Beneficio							
Item	89. Estado actual	90. Fecha cambio de estado	91. Número de Identificación Tributaria (NIT)	92. DV			
1				-			
2				-			
3				-			
4				-			
5				-			
Vinculación económica							
93. Vinculación económica	94. Nombre del grupo económico y/o empresarial			95. Número de Identificación Tributaria (NIT) de la Matriz o Controlante		96. DV.	
97. Nombre o razón social de la matriz o controlante							
170. Número de identificación tributaria otorgado en el exterior		171. País		172. Número de identificación tributaria sociedad o natural del exterior con EP			
173. Nombre o razón social de la sociedad o natural del exterior con EP							



Formulario del Registro Único Tributario
Representación

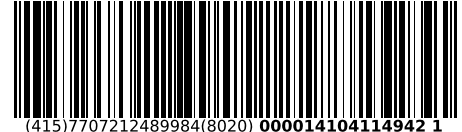
001

Página 3 de 5 Hoja 3

Espacio reservado para la DIAN

4. Número de formulario

141041149421



(415)7707212489984(8020) 000014104114942 1

5. Número de Identificación Tributaria (NIT)

9 0 1 7 5 4 0 7 1

6. DV

7

12. Dirección seccional

Impuestos de Bogotá

14. Buzón electrónico

3 2

Representación

98. Representación REPRS LEGAL PRIN	1 8	99. Fecha inicio ejercicio representación 2 0 2 3 0 8 3 0
100. Tipo de documento Cédula de Ciudadaní 1 3	101. Número de identificación 1 0 3 6 9 3 2 1 9 7	102. DV 103. Número de tarjeta profesional
104. Primer apellido CASTAÑO	105. Segundo apellido OSPINA	106. Primer nombre JULIAN
107. Otros nombres ESTEBAN	108. Número de Identificación Tributaria (NIT)	109. DV
110. Razón social representante legal		
98. Representación REPRS LEGAL SUPL	1 9	99. Fecha inicio ejercicio representación 2 0 2 4 0 5 0 1
100. Tipo de documento Cédula de Ciudadan 1 3	101. Número de identificación 1 0 1 5 4 3 4 5 4 4	102. DV 103. Número de tarjeta profesional
104. Primer apellido PEREZ	105. Segundo apellido ORTIZ	106. Primer nombre GABRIELLA
107. Otros nombres	108. Número de Identificación Tributaria (NIT)	109. DV
110. Razón social representante legal		
98. Representación	99. Fecha inicio ejercicio representación	
100. Tipo de documento	101. Número de identificación	102. DV 103. Número de tarjeta profesional
104. Primer apellido	105. Segundo apellido	106. Primer nombre
107. Otros nombres	108. Número de Identificación Tributaria (NIT)	109. DV
110. Razón social representante legal		
98. Representación	99. Fecha inicio ejercicio representación	
100. Tipo de documento	101. Número de identificación	102. DV 103. Número de tarjeta profesional
104. Primer apellido	105. Segundo apellido	106. Primer nombre
107. Otros nombres	108. Número de Identificación Tributaria (NIT)	109. DV
110. Razón social representante legal		
98. Representación	99. Fecha inicio ejercicio representación	
100. Tipo de documento	101. Número de identificación	102. DV 103. Número de tarjeta profesional
104. Primer apellido	105. Segundo apellido	106. Primer nombre
107. Otros nombres	108. Número de Identificación Tributaria (NIT)	109. DV
110. Razón social representante legal		



Formulario del Registro Único Tributario
Socios y/o Miembros de Juntas Directivas, Consorcios, Uniones

001

Página 4 de 5 Hoja 4

Espacio reservado para la DIAN

4. Número de formulario 141041149421



(415)7707212489984(8020) 000014104114942 1

5. Número de Identificación Tributaria (NIT) 9 0 1 7 5 4 0 7 1 7 6. DV 7 12. Dirección seccional Impuestos de Bogotá 14. Buzón electrónico 3 2

Socios y/o Miembros de Juntas Directivas, Consorcios, Uniones Temporales

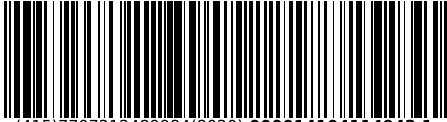
111. Tipo de documento NIT	112. Número de identificación 9 0 1 0 7 1 2 5 3	113. DV 9	114. Nacionalidad COLOMBIA	116. Segundo apellido	117. Primer nombre	118. Otros nombres 1 6 9
115. Primer apellido						
119. Razón social ESTUDIO TERRITORIOS SAS						
120. Valor capital del socio	121. % Participación	122. Fecha de ingreso 5 0 2 0 2 3 0 8 3 0	123. Fecha de retiro			

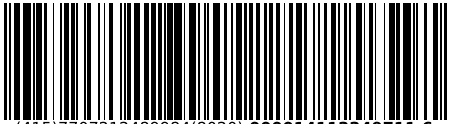
2	111. Tipo de documento NIT	112. Número de identificación 9 0 0 1 6 0 3 8 7	113. DV 5	114. Nacionalidad COLOMBIA	116. Segundo apellido	117. Primer nombre	118. Otros nombres 1 6 9
	115. Primer apellido						
	119. Razón social CONSULTORIA ESTRUCTURAL Y DE CONSTRUCCION S A S						
	120. Valor capital del socio	121. % Participación	122. Fecha de ingreso 5 0 2 0 2 3 0 8 3 0	123. Fecha de retiro			

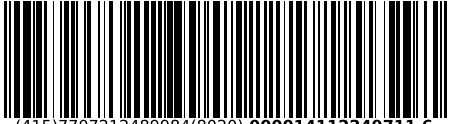
3	111. Tipo de documento	112. Número de identificación	113. DV	114. Nacionalidad	116. Segundo apellido	117. Primer nombre	118. Otros nombres
	115. Primer apellido						
	119. Razón social						
	120. Valor capital del socio	121. % Participación	122. Fecha de ingreso	123. Fecha de retiro			

4	111. Tipo de documento	112. Número de identificación	113. DV	114. Nacionalidad	116. Segundo apellido	117. Primer nombre	118. Otros nombres
	115. Primer apellido						
	119. Razón social						
	120. Valor capital del socio	121. % Participación	122. Fecha de ingreso	123. Fecha de retiro			

5	111. Tipo de documento	112. Número de identificación	113. DV	114. Nacionalidad	116. Segundo apellido	117. Primer nombre	118. Otros nombres
	115. Primer apellido						
	119. Razón social						
	120. Valor capital del socio	121. % Participación	122. Fecha de ingreso	123. Fecha de retiro			

		Formulario del Registro Único Tributario Revisor Fiscal y Contador				001	
Espacio reservado para la DIAN				Página 5 de 5 Hoja 5			
				4. Número de formulario 141041149421			
 (415)7707212489984(8020) 000014104114942 1							
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 1 7 5 4 0 7 1		7		Impuestos de Bogotá		3 2	
Revisor Fiscal y Contador							
Revisor fiscal principal	124. Tipo de documento		125. Número de identificación		126. DV 127. Número de tarjeta profesional		
	128. Primer apellido		129. Segundo apellido		130. Primer nombre		131. Otros nombres
	132. Número de Identificación Tributaria (NIT)		133. DV		134. Sociedad o firma designada		
	135. Fecha de nombramiento						
Revisor fiscal suplente	136. Tipo de documento		137. Número de identificación		138. DV 139. Número de tarjeta profesional		
	140. Primer apellido		141. Segundo apellido		142. Primer nombre		143. Otros nombres
	144. Número de Identificación Tributaria (NIT)		145. DV		146. Sociedad o firma designada		
	147. Fecha de nombramiento						
Contador	148. Tipo de documento		149. Número de identificación		150. DV		151. Número de tarjeta profesional
	Cédula de Ciudadanía 1 3		1 0 2 0 7 4 9 3 8 4		2		1 7 4 6 3 4 T
	152. Primer apellido		153. Segundo apellido		154. Primer nombre		155. Otros nombres
	RODRIGUEZ		NEUQUE		MARIA		ALEXANDRA
156. Número de Identificación Tributaria (NIT)		157. DV		158. Sociedad o firma designada			
159. Fecha de nombramiento		2 0 2 3 1 0 2 4					

		Formulario del Registro Único Tributario				001	
2. Concepto 02 Actualización				4. Número de formulario 141122497116			
				 (415)7707212489984(8020) 000014112249711 6			
5. Número de Identificación Tributaria (NIT) 9 0 0 1 6 0 3 8 7		6. DV 5		12. Dirección seccional Impuestos de Bogotá		14. Buzón electrónico 3 2	
IDENTIFICACIÓN							
24. Tipo de contribuyente Persona jurídica		25. Tipo de documento 1		26. Número de Identificación		27. Fecha expedición	
Lugar de expedición		28. País		29. Departamento		30. Ciudad/Municipio	
31. Primer apellido		32. Segundo apellido		33. Primer nombre		34. Otros nombres	
35. Razón social CONSULTORIA ESTRUCTURAL Y DE CONSTRUCCION S A S							
36. Nombre comercial				37. Sigla CEYCO INGENIERIA S A S			
UBICACIÓN							
38. País COLOMBIA		39. Departamento Bogotá D.C.		40. Ciudad/Municipio Bogotá, D.C.		0 0 1	
41. Dirección principal CL 171 56 A 05							
42. Correo electrónico contabilidad@ceycoingenieria.com							
43. Código postal 1 1 1 1 6 6		44. Teléfono 1 7 5 8 0 7 6 5		45. Teléfono 2 3 1 7 4 3 9 6 2 4 9			
CLASIFICACIÓN							
Actividad económica				Ocupación			
Actividad principal		Actividad secundaria		Otras actividades		52. Número establecimientos	
46. Código 7 1 1 2	47. Fecha inicio actividad 2 0 0 7, 0 6, 2 0	48. Código 7 1 1 1	49. Fecha inicio actividad 2 0 0 7, 0 6, 2 0	50. Código 1 2	51. Código		
Responsabilidades, Calidades y Atributos							
53. Código 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 05- Impto. renta y compl. régimen ordinario 55- Informante de Beneficiarios Finales 07- Retención en la fuente a título de renta 09- Retención en la fuente en el impuesto 14- Informante de exogena 42- Obligado a llevar contabilidad 48 - Impuesto sobre las ventas - IVA 52 - Facturador electrónico							
Usuarios aduaneros				Exportadores			
54. Código 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				55. Forma 56. Tipo Servicio 1 2 3 57. Modo 58. CPC			
IMPORTANTE: Sin perjuicio de las actualizaciones a que haya lugar, la inscripción en el Registro Único Tributario -RUT-, tendrá vigencia indefinida y en consecuencia no se exigirá su renovación							
Para uso exclusivo de la DIAN							
59. Anexos SI NO X		60. No. de Folios: 0		61. Fecha 2024 - 09 - 05 / 07 : 23: 13			
La información suministrada a través del formulario oficial de inscripción, actualización, suspensión y cancelación del Registro Único Tributario (RUT), deberá ser exacta y veraz; en caso de constatar inexactitud en alguno de los datos suministrados se adelantarán los procedimientos administrativos sancionatorios o de suspensión, según el caso, Parágrafo del artículo 1.6.1.2.6 del Decreto 1625 del 2016. De igual manera al formalizar el trámite el usuario fue informado y acepta la política de tratamiento de datos ley 1581 de 2012. Firma del solicitante:				Sin perjuicio de las verificaciones que la DIAN realice. Firma autorizada: 984. Nombre CAMACHO OBREGON GUILLERMO ANDRES 985. Cargo Representante legal Certificado			

		Formulario del Registro Único Tributario				001	
Espacio reservado para la DIAN				Página 2 de 5 Hoja 2			
				4. Número de formulario 141122497116			
				 (415)7707212489984(8020) 000014112249711 6			
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 0 1 6 0 3 8 7		5		Impuestos de Bogotá		3 2	
Características y formas de las organizaciones							
62. Naturaleza		2		63. Formas asociativas		1 2	
65. Fondos				66. Cooperativas			
68. Sin personería jurídica				69. Otras organizaciones no clasificadas			
				64. Entidades o institutos de derecho público de orden nacional, departamental, municipal y descentralizados			
				67. Sociedades y organismos extranjeros			
				70. Beneficio		1	
Constitución, Registro y Última Reforma							
Documento		1. Constitución		2. Reforma		Composición del Capital	
71. Clase		0 5		0 4		82. Nacional	
72. Número		0 4 1 6 2		1 4 8 9 2 7 6		1 0 0 %	
73. Fecha		2 0 0 7 0 6 2 0		2 0 1 1 0 6 1 0		83. Nacional público	
74. Número de notaría		3 8				0 . 0 %	
75. Entidad de registro		0 3		0 3		84. Nacional privado	
76. Fecha de registro		2 0 0 7 0 7 0 9		2 0 1 1 0 6 2 0		1 0 0 . 0 %	
77. No. Matrícula mercantil		0 0 0 1 7 1 9 2 9 7		0 0 0 1 7 1 9 2 9 7		85. Extranjero	
78. Departamento		1 1		1 1		0 %	
79. Ciudad/Municipio		0 0 1		4		86. Extranjero público	
Vigencia						0 . 0 %	
80. Desde		2 0 0 7 0 6 2 0				87. Extranjero privado	
81. Hasta		2 0 2 7 0 6 2 0				0 . 0 %	
Entidad de vigilancia y control							
88. Entidad de vigilancia y control							
Superintendencia de Sociedades							
5							
Estado y Beneficio							
Item	89. Estado actual	90. Fecha cambio de estado	91. Número de Identificación Tributaria (NIT)	92. DV			
1	8 1	2 0 1 6 0 2 2 6		-			
2				-			
3				-			
4				-			
5				-			
Vinculación económica							
93. Vinculación económica	94. Nombre del grupo económico y/o empresarial			95. Número de Identificación Tributaria (NIT) de la Matriz o Controlante		96. DV.	
97. Nombre o razón social de la matriz o controlante							
170. Número de identificación tributaria otorgado en el exterior		171. País		172. Número de identificación tributaria sociedad o natural del exterior con EP			
173. Nombre o razón social de la sociedad o natural del exterior con EP							

		Formulario del Registro Único Tributario Representación				001	
Espacio reservado para la DIAN				Página 3 de 5 Hoja 3			
				4. Número de formulario 141122497116			
				 (415)7707212489984(8020) 000014112249711 6			
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 0 1 6 0 3 8 7		5		Impuestos de Bogotá		3 2	
Representación							
98. Representación REPRS LEGAL PRIN 1 8				99. Fecha inicio ejercicio representación 2 0 2 3 0 4 0 1			
100. Tipo de documento Cédula de Ciudadaní 1 3		101. Número de identificación 7 9 9 3 8 8 8 3		102. DV		103. Número de tarjeta profesional	
104. Primer apellido CAMACHO		105. Segundo apellido OBREGON		106. Primer nombre GUILLERMO		107. Otros nombres ANDRES	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación REPRS LEGAL SUPL 1 9				99. Fecha inicio ejercicio representación 2 0 2 3 0 4 0 1			
100. Tipo de documento Cédula de Ciudadan 1 3		101. Número de identificación 8 0 7 2 4 7 8 9		102. DV		103. Número de tarjeta profesional	
104. Primer apellido CAMACHO		105. Segundo apellido OBREGON		106. Primer nombre CARLOS		107. Otros nombres GABRIEL	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación REPRS LEGAL SUPL 1 9				99. Fecha inicio ejercicio representación 2 0 2 3 0 4 0 1			
100. Tipo de documento Cédula de Ciudadan 1 3		101. Número de identificación 1 0 2 6 2 5 4 9 0 3		102. DV		103. Número de tarjeta profesional	
104. Primer apellido CAMACHO		105. Segundo apellido OBREGON		106. Primer nombre CLAUDIA		107. Otros nombres PATRICIA	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación				99. Fecha inicio ejercicio representación			
100. Tipo de documento		101. Número de identificación		102. DV		103. Número de tarjeta profesional	
104. Primer apellido		105. Segundo apellido		106. Primer nombre		107. Otros nombres	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación				99. Fecha inicio ejercicio representación			
100. Tipo de documento		101. Número de identificación		102. DV		103. Número de tarjeta profesional	
104. Primer apellido		105. Segundo apellido		106. Primer nombre		107. Otros nombres	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			

		Formulario del Registro Único Tributario Revisor Fiscal y Contador				001	
Espacio reservado para la DIAN				Página 4 de 5 Hoja 5			
				4. Número de formulario 141122497116			
 (415)7707212489984(8020) 000014112249711 6							
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 0 1 6 0 3 8 7		5		Impuestos de Bogotá		3 2	
Revisor Fiscal y Contador							
Revisor fiscal principal	124. Tipo de documento		125. Número de identificación		126. DV 127. Número de tarjeta profesional		
	128. Primer apellido		129. Segundo apellido		130. Primer nombre		131. Otros nombres
	132. Número de Identificación Tributaria (NIT)		133. DV		134. Sociedad o firma designada		
	135. Fecha de nombramiento						
Revisor fiscal suplente	136. Tipo de documento		137. Número de identificación		138. DV 139. Número de tarjeta profesional		
	140. Primer apellido		141. Segundo apellido		142. Primer nombre		143. Otros nombres
	144. Número de Identificación Tributaria (NIT)		145. DV		146. Sociedad o firma designada		
	147. Fecha de nombramiento						
Contador	148. Tipo de documento		149. Número de identificación		150. DV		151. Número de tarjeta profesional
	Cédula de Ciudadanía 1 3		1 0 2 3 9 4 5 2 2 3		6		3 2 3 3 8 4 T
	152. Primer apellido		153. Segundo apellido		154. Primer nombre		155. Otros nombres
	BERMUDEZ		PACHÉCO		DARLING		STEFFANY
156. Número de Identificación Tributaria (NIT)		157. DV		158. Sociedad o firma designada			
159. Fecha de nombramiento		2 0 2 4 0 9 0 1					



Formulario del Registro Único Tributario
Estado de la Empresa o Persona

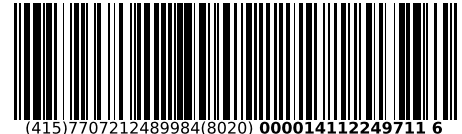
001

Página 5 de 5 Hoja 7

Espacio reservado para la DIAN

4. Número de formulario

141122497116



(415)7707212489984(8020) 000014112249711 6

5. Número de Identificación Tributaria (NIT)

6. DV

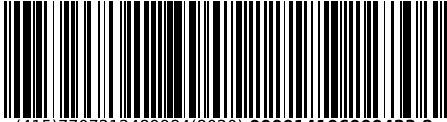
12. Dirección seccional
Impuestos de Bogotá

3 2

14. Buzón electrónico

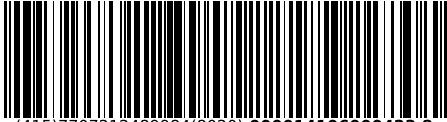
Estado y beneficio

Item	89. Estado actual	90. Fecha cambio de estado	91. Número de Identificación Tributaria (NIT)	92. DV
1	4 9	2 0 1 1 0 6 1 0		-
2				-
3				-
4				-
5				-
6				-
7				-
8				-
9				-
10				-
11				-
12				-
13				-
14				-
15				-
16				-
17				-
18				-
19				-
20				-
21				-
22				-

		Formulario del Registro Único Tributario				001	
2. Concepto 02 Actualización				4. Número de formulario 141060004238			
				 (415)7707212489984(8020) 000014106000423 8			
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 1 0 7 1 2 5 3		9		Impuestos de Medellín		1 1	
IDENTIFICACIÓN							
24. Tipo de contribuyente		25. Tipo de documento		26. Número de Identificación		27. Fecha expedición	
Persona jurídica		1					
Lugar de expedición		28. País		29. Departamento		30. Ciudad/Municipio	
31. Primer apellido		32. Segundo apellido		33. Primer nombre		34. Otros nombres	
35. Razón social							
ESTUDIO TERRITORIOS S.A.S							
36. Nombre comercial							
ESTUDIO TERRITORIOS SAS							
37. Sigla							
UBICACIÓN							
38. País		39. Departamento		40. Ciudad/Municipio			
COLOMBIA		Antioquia		Medellín			
1 6 9		0 5		0 0 1			
41. Dirección principal							
CL 36 77 36							
42. Correo electrónico territorios.arq@gmail.com							
43. Código postal				44. Teléfono 1		45. Teléfono 2	
				3 0 0 6 5 3 0 4 0		3 1 0 4 5 0 4 2 5 1	
CLASIFICACIÓN							
Actividad económica				Ocupación			
Actividad principal		Actividad secundaria		Otras actividades		52. Número establecimientos	
46. Código	47. Fecha inicio actividad	48. Código	49. Fecha inicio actividad	50. Código	1 2	51. Código	
7 1 1 1	2 0 1 7 0 3 3 1	4 1 1 1	2 0 2 4 0 6 0 3				1
Responsabilidades, Calidades y Atributos							
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26							
53. Código 5 7 1 0 1 4 4 2 4 8 5 2 5 5							
05- Impto. renta y compl. régimen ordinario 55- Informante de Beneficiarios Finales							
07- Retención en la fuente a título de renta							
10- Obligado aduanero							
14- Informante de exogena							
42- Obligado a llevar contabilidad							
48 - Impuesto sobre las ventas - IVA							
52 - Facturador electrónico							
Usuarios aduaneros				Exportadores			
54. Código				55. Forma 56. Tipo Servicio 1 2 3			
11 12 13 14 15 16 17 18 19 20				3 2			
				57. Modo 2 58. CPC 8 2			
IMPORTANTE: Sin perjuicio de las actualizaciones a que haya lugar, la inscripción en el Registro Único Tributario -RUT-, tendrá vigencia indefinida y en consecuencia no se exigirá su renovación							
Para uso exclusivo de la DIAN							
59. Anexos SI NO X		60. No. de Folios: 0		61. Fecha 2024 - 07 - 10 / 14 : 05: 38			
La información suministrada a través del formulario oficial de inscripción, actualización, suspensión y cancelación del Registro Único Tributario (RUT), deberá ser exacta y veraz; en caso de constatar inexactitud en alguno de los datos suministrados se adelantarán los procedimientos administrativos sancionatorios o de suspensión, según el caso, Parágrafo del artículo 1.6.1.2.6 del Decreto 1625 del 2016. De igual manera al formalizar el trámite el usuario fue informado y acepta la política de tratamiento de datos ley 1581 de 2012.				Sin perjuicio de las verificaciones que la DIAN realice.			
Firma del solicitante:				Firma autorizada:			
				984. Nombre CASTAÑO OSPINA JULIAN ESTEBAN			
				985. Cargo Representante legal Certificado			

		Formulario del Registro Único Tributario				001	
Espacio reservado para la DIAN				Página 2 de 5 Hoja 2			
				4. Número de formulario 141060004238			
				 (415)7707212489984(8020) 000014106000423 8			
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 1 0 7 1 2 5 3 9		9		Impuestos de Medellín		1 1	
Características y formas de las organizaciones							
62. Naturaleza		63. Formas asociativas		64. Entidades o institutos de derecho público de orden nacional, departamental, municipal y descentralizados			
65. Fondos		66. Cooperativas		67. Sociedades y organismos extranjeros			
68. Sin personería jurídica		69. Otras organizaciones no clasificadas		70. Beneficio		1	
Constitución, Registro y Última Reforma				Composición del Capital			
Documento		1. Constitución		2. Reforma			
71. Clase		0 4		0 1		82. Nacional	
72. Número				4		1 0 0 %	
73. Fecha		2 0 1 7 0 3 3 1		2 0 2 3 0 3 1 6		83. Nacional público	
74. Número de notaría						0 . 0 %	
75. Entidad de registro		0 3		0 3		84. Nacional privado	
76. Fecha de registro		2 0 1 7 0 4 1 1		2 0 2 3 0 7 1 4		1 0 0 . 0 %	
77. No. Matrícula mercantil		2 1 5 8 6 6 7 1 1 2		2 1 5 8 6 6 7 1 1 2			
78. Departamento		0 5		0 5		85. Extranjero	
79. Ciudad/Municipio		0 2 1		0 2 1		0 %	
Vigencia						86. Extranjero público	
80. Desde		2 0 1 7 0 3 3 1		2 0 1 7 0 3 3 1		0 . 0 %	
81. Hasta		2 0 9 9 1 2 3 1		2 0 9 9 1 2 3 1		87. Extranjero privado	
						0 . 0 %	
Entidad de vigilancia y control							
88. Entidad de vigilancia y control							
Superintendencia de Sociedades							
5							
Estado y Beneficio							
Item	89. Estado actual	90. Fecha cambio de estado	91. Número de Identificación Tributaria (NIT)	92. DV			
1	8 1	2 0 2 1 0 3 1 0		-			
2				-			
3				-			
4				-			
5				-			
Vinculación económica							
93. Vinculación económica		94. Nombre del grupo económico y/o empresarial			95. Número de Identificación Tributaria (NIT) de la Matriz o Controlante		96. DV.
97. Nombre o razón social de la matriz o controlante							
170. Número de identificación tributaria otorgado en el exterior		171. País		172. Número de identificación tributaria sociedad o natural del exterior con EP			
173. Nombre o razón social de la sociedad o natural del exterior con EP							

		Formulario del Registro Único Tributario Representación				001	
Espacio reservado para la DIAN				Página 3 de 5 Hoja 3			
				4. Número de formulario 141060004238			
				 (415)7707212489984(8020) 000014106000423 8			
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 1 0 7 1 2 5 3		9		Impuestos de Medellín		1 1	
Representación							
98. Representación REPRS LEGAL PRIN 1 8				99. Fecha inicio ejercicio representación 2 0 2 3 0 7 1 4			
100. Tipo de documento Cédula de Ciudadaní 1 3		101. Número de identificación 1 0 3 6 9 3 2 1 9 7		102. DV		103. Número de tarjeta profesional	
104. Primer apellido CASTAÑO		105. Segundo apellido OSPINA		106. Primer nombre JULIAN		107. Otros nombres ESTEBAN	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación REPRS LEGAL SUPL 1 9				99. Fecha inicio ejercicio representación 2 0 2 3 0 7 1 4			
100. Tipo de documento Cédula de Ciudadan 1 3		101. Número de identificación 1 1 2 8 2 7 4 4 3 8		102. DV		103. Número de tarjeta profesional	
104. Primer apellido HURTADO		105. Segundo apellido GARCIA		106. Primer nombre BILLY		107. Otros nombres ANDRES	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación				99. Fecha inicio ejercicio representación			
100. Tipo de documento		101. Número de identificación		102. DV		103. Número de tarjeta profesional	
104. Primer apellido		105. Segundo apellido		106. Primer nombre		107. Otros nombres	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación				99. Fecha inicio ejercicio representación			
100. Tipo de documento		101. Número de identificación		102. DV		103. Número de tarjeta profesional	
104. Primer apellido		105. Segundo apellido		106. Primer nombre		107. Otros nombres	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			
98. Representación				99. Fecha inicio ejercicio representación			
100. Tipo de documento		101. Número de identificación		102. DV		103. Número de tarjeta profesional	
104. Primer apellido		105. Segundo apellido		106. Primer nombre		107. Otros nombres	
108. Número de Identificación Tributaria (NIT)		109. DV		110. Razón social representante legal			

		Formulario del Registro Único Tributario Revisor Fiscal y Contador				001			
Espacio reservado para la DIAN				Página 4 de 5 Hoja 5					
				4. Número de formulario 141060004238					
 (415)7707212489984(8020) 000014106000423 8									
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico			
9 0 1 0 7 1 2 5 3		9		Impuestos de Medellín		1 1			
Revisor Fiscal y Contador									
Revisor fiscal principal	124. Tipo de documento		125. Número de identificación		126. DV			127. Número de tarjeta profesional	
	128. Primer apellido		129. Segundo apellido		130. Primer nombre			131. Otros nombres	
	132. Número de Identificación Tributaria (NIT)		133. DV		134. Sociedad o firma designada				
	135. Fecha de nombramiento								
Revisor fiscal suplente	136. Tipo de documento		137. Número de identificación		138. DV			139. Número de tarjeta profesional	
	140. Primer apellido		141. Segundo apellido		142. Primer nombre			143. Otros nombres	
	144. Número de Identificación Tributaria (NIT)		145. DV		146. Sociedad o firma designada				
	147. Fecha de nombramiento								
Contador	148. Tipo de documento		149. Número de identificación		150. DV			151. Número de tarjeta profesional	
	Cédula de Ciudadanía 1 3		4 3 0 9 6 9 1 8		4			6 7 3 7 2 T	
	152. Primer apellido		153. Segundo apellido		154. Primer nombre			155. Otros nombres	
	ISAZA		OSPINA		GLORIA			ELENA	
156. Número de Identificación Tributaria (NIT)		157. DV		158. Sociedad o firma designada					
159. Fecha de nombramiento		2 0 2 4 0 1 0 1							

		Formulario del Registro Único Tributario Establecimientos				001	
Espacio reservado para la DIAN				Página 5 de 5 Hoja 6			
				4. Número de formulario 141060004238			
				 (415)7707212489984(8020) 000014106000423 8			
5. Número de Identificación Tributaria (NIT)		6. DV		12. Dirección seccional		14. Buzón electrónico	
9 0 1 0 7 1 2 5 3		9		Impuestos de Medellín		1 1	
Establecimientos, agencias, sucursales, oficinas, sedes o negocios entre otros							
160. Tipo de establecimiento Establecimiento de comerci 0 2							
161. Actividad económica Actividades de arquitectura 7 1 1 1							
162. Nombre del establecimiento ESTUDIO TERRITORIOS SAS							
163. Departamento Antioquia 0 5				164. Ciudad/Municipio Medellín 0 0 1			
165. Dirección CL 36 77 36							
166. Número de matrícula mercantil 2 1 6 3 2 8 9 6 0 2				167. Fecha de la matrícula mercantil 2 0 1 7 0 4 1 1			
168. Teléfono 3 1 0 4 5 0 4 2 5 1				169. Fecha de cierre			
2							
160. Tipo de establecimiento							
161. Actividad económica							
162. Nombre del establecimiento							
163. Departamento				164. Ciudad/Municipio			
165. Dirección							
166. Número de matrícula mercantil				167. Fecha de la matrícula mercantil			
168. Teléfono				169. Fecha de cierre			
3							
160. Tipo de establecimiento							
161. Actividad económica							
162. Nombre del establecimiento:							
163. Departamento				164. Ciudad/Municipio			
165. Dirección							
166. Número de matrícula mercantil				167. Fecha de la matrícula mercantil			
168. Teléfono				169. Fecha de cierre			

CONSORCIO CEYET
NIT 901.754.071-7
CERTIFICACION PAGO DE APORTES AL SISTEMA DE SEGURIDAD SOCIAL INTEGRAL

Yo **JULIAN ESTEBAN CASTAÑO OSPINA** identificado con cedula de ciudadanía 1.036.932.197 en calidad de representación legal de CONSORCIO CEYET identificada con NIT 901.754.071-7, certifico que el consorcio ha cumplido con sus obligaciones relacionadas con los aportes a los sistemas de salud, pensión, riesgos laborales y las cajas de compensación familiar, durante los últimos seis (6) meses y que se encuentra exenta del pago de los parafiscales a favor del Servicio Nacional del Aprendizaje (SENA) y del Instituto Colombiano de Bienestar Familiar (ICBF), por tratarse de una empresa que cuenta con menos de 15 empleados vinculados en su nómina.

Lo anterior, en cumplimiento de lo dispuesto en el artículo 50 de la ley 789 de 2002

Se expide en la ciudad de Medellín a los Ocho (8) días del mes de octubre de 2024

Cordialmente,



JULIAN ESTEBAN CASTAÑO OSPINA
C.C. 1.036.932.197 DE RIONEGRO
REPRESENTANTE LEGAL CONSORCIO CEYET



ESTUDIO TERRITORIOS S.A.S
NIT 901.071.253-9
CERTIFICACION PAGO DE APORTES AL SISTEMA DE SEGURIDAD SOCIAL INTEGRAL

Yo **JULIAN ESTEBAN CASTAÑO OSPINA** identificado con cedula de ciudadanía 1.036.932.197 en calidad de representación legal de **ESTUDIO TERRITORIOS S.A.S.** identificada con NIT. 901.071.253-9, debidamente inscrito en la Cámara de Comercio de Medellín, certifico que la empresa ha cumplido con sus obligaciones relacionadas con los aportes a los sistemas de salud, pensión, riesgos laborales y las cajas de compensación familiar, durante los últimos seis (6) meses y que se encuentra exenta del pago de los parafiscales a favor del Servicio Nacional del Aprendizaje (SENA) y del Instituto Colombiano de Bienestar Familiar (ICBF), por tratarse de una empresa que cuenta con menos de 15 empleados vinculados en su nómina.

Lo anterior, en cumplimiento de lo dispuesto en el artículo 50 de la ley 789 de 2002

Se expide en la ciudad de Medellín a los Ocho (8) días del mes de octubre de 2024

Cordialmente,

JULIAN ESTEBAN CASTAÑO OSPINA
C.C. 1.036.932.197 DE RIONEGRO
REPRESENTANTE LEGAL ESTUDIO TERRITORIOS S.A.S

CONSULTORIA ESTRUCTURAL Y DE CONSTRUCCIÓN SAS
NIT 900.160.387-5

CERTIFICACION PAGO DE APORTES AL SISTEMA DE SEGURIDAD SOCIAL INTEGRAL

Yo CARLOS GABRIEL CAMACHO OBREGÓN, identificado con cédula de ciudadanía No C.C 80.724.789 DE BOGOTÁ D.C, en calidad de representación legal de CONSULTORIA ESTRUCTURAL Y DE CONSTRUCCIÓN SAS identificada con NIT 900.160.387-5, debidamente inscrito en la Cámara de Comercio de Bogotá, certifico que la empresa ha cumplido con sus obligaciones relacionadas con los aportes a los sistemas de salud, pensión, riesgos laborales y las cajas de compensación familiar, durante los últimos seis (6) meses y que se encuentra exenta del pago de los parafiscales a favor del Servicio Nacional del Aprendizaje (SENA) y del Instituto Colombiano de Bienestar Familiar (ICBF), por tratarse de una empresa que cuenta con menos de 15 empleados vinculados en su nómina.

Lo anterior, en cumplimiento de lo dispuesto en el artículo 50 de la ley 789 de 2002

Se expide en la ciudad de Bogotá D.C a los Ocho (8) días del mes de octubre de 2024

Cordialmente,

A handwritten signature in dark ink, appearing to read 'CARLOS GABRIEL CAMACHO OBREGÓN', is written over a faint, light-colored circular stamp or watermark.

CARLOS GABRIEL CAMACHO OBREGÓN
C.C. 80.724.789 DE BOGOTÁ D.C,
REPRESENTANTE LEGAL CONSULTORIA ESTRUCTURAL Y DE CONSTRUCCIÓN SAS

PAGADO 30/09/2024

I. DATOS DEL APORTANTE

Razón Social	JULIAN ESTEBAN 351		
Documento	CC1036932197	Dirección	CL 44A SUR #40 B - 35 APTO 1104
Tipo de Empresa	INDEPENDIENTE	Teléfono	4894330
Tipo Persona	NATURAL	Forma Presentación	ÚNICO
Ciudad	ENVIGADO	Departamento	ANTIOQUIA
Representante Legal		Identificación	
Total Afiliados	1	ARP	ARL SURA

II. DETALLE DEL APORTANTE

Datos del Afiliado				Novedades																Pensiones			Salud			Riesgos			Cajas			Parafiscales				Total						
Identificación	Apellidos y Nombres	Tipo Cotizante	Subtipo Cotizante	ING	RET	RET P	TAE	TDE	TDP	TAP	USP	COR	USI	IGE	UMA	VAC	VAP	VCT	IRP	Días AFP	Días EPS	Días AFP	Días EPS	Días AFP	Días EPS	Administradora	IBC Pensión	Aporte Pensión	Administradora	IBC Salud	Aporte Salud	Tarifa	IBC Riesgos	Aporte Riesgos	Administradora	IBC Caja	Aporte Caja	Aporte SENA	Aporte ICBF	ESAP	Aporte Ministerio	Total
CC 1036932197	JULIAN ESTEBAN CASTAÑO OSPINA	59	00																	0	30	30	30	0		(25-14) COLPENSIONES	\$ 2.930.390	\$ 468.900	(EPS010) EPS SURA	\$ 2.930.390	\$ 366.300	2,436	\$ 2.930.390	\$ 71.400	(NIN-CC) NINGUNA CCF	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 906.600

III.TOTALES

IBC Pensión	IBC Salud	IBC Riesgos	IBC Cajas	Aportes Pensión	Aportes Salud	Aportes Riesgos	Aportes Cajas	Aportes Sena	Aportes ICBF	Aportes ESAP	Aportes Min Educación	(Incapacidades, Licencias, Saldos a Favor) EPS	Incapacidades ARP	SUBTOTAL SIN INTERESES DE MORA	TOTAL INTERESES DE MORA	TOTAL FINAL
\$ 2.930.390	\$ 2.930.390	\$ 2.930.390	\$ 0	\$ 468.900	\$ 366.300	\$ 71.400	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 906.600	\$ 0	\$ 906.600

Líneas de Servicio FonoSIMPLE: Bogotá 601 4446634 - Cali: 602 5540577 - Medellín: 604 5146669 - Bucaramanga: 607 6438000 - Cartagena: 605 6945444 - Pereira: 606 3402582 - Barranquilla: 605 3618850 - Resto del País: 018000 971 971 - ¡Más que Fácil, SIMPLE!

Antes de imprimir, asegúrese que sea realmente necesario. Proteger el medio ambiente está en nuestras manos.

Página 1 de 1



PLANILLA INTEGRADA AUTOLIQUIDACIÓN APORTES
SOPORTE DE PAGO GENERAL



DATOS GENERALES DEL APORTANTE				DATOS GENERALES DE LA PLANILLA							
TIPO IDENTIFICACIÓN:		CÉDULA DE CIUDADANÍA	NÚMERO DE IDENTIFICACIÓN:	1037630501	NÚMERO PLANILLA:		7942136670	TIPO DE PLANILLA:		I-INDEPENDIENTES	
NOMBRE Ó RAZÓN SOCIAL:			ESTEFANIA ORTIZ ECHAVARRIA		PERÍODO COTIZACIÓN OTROS		MES	septiembre	AÑO	2024	
CIUDAD/MUNICIPIO:		ITAGUI	DEPARTAMENTO:	ANTIOQUIA	DÍAS DE MORA:			21	PERÍODO COTIZACIÓN SALUD:		
DIRECCIÓN:		CARRERA 51 #78-60 APTO 514	TELÉFONO:	5962979	FECHA PAGO (aaaa/mm/dd):		2024/10/23	NÚMERO AUTORIZACIÓN:		999543353	
TIPO APORTANTE:		02-INDEPENDIENTE	CLASE APORTANTE:	I-INDEPENDIENTE							
TIPO EMPRESA:		PRIVADA	ACTIVIDAD ECONOMICA:	Actividades de arquitectura e ingeniería y otras							
FORMA DE PRESENTACIÓN:		ÚNICO									
APORTANTE EXONERADO PAGO APORTES SALUD, SENA E ICBF (REFORMA TRIBUTARIA):				NO							

TOTAL APORTES A PENSIÓN												
ADMINISTRADORA		No. COTIZANTES	COTIZACIÓN	APORTES VOLUNTARIOS		FSP		MORA		TOTALES		
CÓDIGO	NOMBRE			EMPLEADOR	COTIZANTE	SOLIDARIDAD	SUBSISTENCIA	COTIZACIÓN	FSP	APORTES	MORA	VALOR PAGADO
230201	230201- PROTECCION	1	\$ 320.000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4.900	\$ 0	\$ 320.000	\$ 4.900	\$ 324.900
SUBTOTALES:										\$ 320.000	\$ 4.900	\$ 324.900

TOTAL APORTES A SALUD																	
ADMINISTRADORA		No. COTIZANTES	INCAPACIDAD POR ENFERMEDAD		LICENCIA MATERNIDAD		SALDO A FAVOR		LIQUIDACIÓN		MORA		TOTALES				
CÓDIGO	NOMBRE		NÚMERO AUTORIZACIÓN	VALOR	NÚMERO AUTORIZACIÓN	VALOR	PLANILLA	VALOR	COTIZACIÓN	VALOR ADRES	COTIZACIÓN	VALOR ADRES	APORTES	MORA	DESCUENTO	VALOR PAGADO	
EPS010	CIA SURAMERICANA DE SERVICIOS DE SALUD	1		\$ 0		\$ 0		\$ 0	\$ 250.000	\$ 0	\$ 3.800	\$ 0	\$ 250.000	\$ 3.800	\$ 0	\$ 253.800	
SUBTOTALES:													\$ 250.000	\$ 3.800	\$ 0	\$ 253.800	

TOTAL APORTES A RIESGOS PROFESIONALES													
ADMINISTRADORA			No. COTIZANTES	INCAPACIDAD IRP			SALDO A FAVOR		LIQUIDACIÓN	TOTALES			
CÓDIGO	NOMBRE			NÚMERO AUTORIZACIÓN	VALOR	PAGO A OTROS RIESGOS	PLANILLA	VALOR	COTIZACIÓN	APORTES	MORA	DESCUENTO	VALOR PAGADO
14-11	14-11 - ARL SURA		1		\$ 0	\$ 0		\$ 0	\$ 10.500	\$ 10.500	\$ 200	\$ 0	\$ 10.700
SUBTOTALES:										\$ 10.500	\$ 200	\$ 0	\$ 10.700

TOTAL APORTES A CAJA DE COMPENSACIÓN FAMILIAR					
ADMINISTRADORA		No. COTIZANTES	TOTALES		
CÓDIGO	NOMBRE		APORTES	MORA	VALOR PAGADO
CCF04	CCF04-CCF DE ANTIOQUIA	1	\$ 40.000	\$ 700	\$ 40.700
SUBTOTALES:			\$ 40.000	\$ 700	\$ 40.700

LIQUIDACIÓN DETALLADA APORTES																																																												
DATOS DEL COTIZANTE										NOVEDADES														SEGURIDAD SOCIAL													PARAFISCALES																							
Nº	IDENTIFICACIÓN	NOMBRES	TIPO COTIZANTE	SUBTIPO COTIZANTE	SALARIO BÁSICO	TIPO DE SALARIO	COLOMBIANO	EXTRANJERO	REFORMA TRIBUTARIA	ING	RET	TDE	TAE	TDP	TAP	COR	VSP	VST	SLN	COM	IGE	LMA	VAC	AVP	VCT	IRP	PENSIÓN				SEGURIDAD SOCIAL				SALUD				ARP				DIAS COT	IBC	CCF		SENA	ICBF	ESAP	MINEDU										
																											ADMIN	DIAS COT	IBC	COTIZACIÓN	FSP		APORTES VOLUNTARIOS		INDICADOR TARIFA ESPECIAL	TOTAL APOORTE	ADMIN	DIAS COT	IBC	COTIZACIÓN	VALOR ADRES	TOTAL APOORTE			ADMIN	DIAS COT					IBC	CENTRO DE TRABAJO	TOTAL APOORTE	DIAS COT	IBC	ADMIN	TOTAL APOORTE	TOTAL APOORTE	TOTAL APOORTE	TOTAL APOORTE
																															SUBSISTENCIA	SOLIDARIDAD	EMPLEADOR	EMPLEADO																										
1	CC 1037630501	ORTIZ ECHAVARRIA ESTEFANIA	INDEPENDIENTE CONTRATO PRESTACION DE SERVICIOS		\$ 2.000.000				NO																		230201-PROTECCION	30	\$ 2.000.000	\$ 320.000	\$ 0	\$ 0	\$ 0	\$ 0	Normal	\$ 320.000	CIA SURAMERICANA DE SERVICIOS DE	30	\$ 2.000.000	\$ 250.000	\$ 0	\$ 250.000	14-11 - ARL SURA	30	\$ 2.000.000	\$ 103763050	\$ 10.500	30	\$ 2.000.000	CCF04-CCF DE ANTIOQUIA	\$ 40.000	\$ 0	\$ 0	\$ 0	\$ 0					

TOTAL \$ 630.100

PAGADO 01/10/2024

I. DATOS DEL APORTANTE

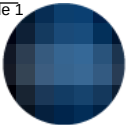
Razón Social	PAULINA LOPEZ GOMEZ				
Documento	CC1001370795			Dirección	CL 7 #18 - 85 ED EL CIRUELO APTO 401
Tipo de Empresa	INDEPENDIENTE			Teléfono	3104424178
Tipo Persona	NATURAL			Forma Presentación	ÚNICO
Ciudad	MEDELLIN			Departamento	ANTIOQUIA
Representante Legal				Identificación	
Total Afiliados	1			ARP	ARL SURA

II. DETALLE DEL APORTANTE

Datos del Afiliado				Novedades																Pensiones			Salud			Riesgos			Cajas			Parafiscales				Total							
Identificación	Apellidos y Nombres	Tipo Cotizante	Subtipo Cotizante	ING	RET	RET P	TAE	TDE	TAP	TDP	USP	COR	USI	IGE	UMA	VAC	VAP	VCT	IRP	Días AFP	Días EPS	Días AFP	Días EPS	Días AFP	Días EPS	Administradora	IBC Pensión	Aporte Pensión	Administradora	IBC Salud	Aporte Salud	Tarifa	IBC Riesgos	Aporte Riesgos	Administradora	IBC Caja	Aporte Caja	Aporte SENA	Aporte ICBF	ESAP	Aporte Ministerio	Total	
CC 1001370795	PAULINA LOPEZ GOMEZ	59	00																	0	30	30	30	0		(230901) OLD MUTUAL SKANDIA	\$ 1.300.000	\$ 208.000	(EPS010) EPS SURA	\$ 1.300.000	\$ 162.500	0,522	\$ 1.300.000	\$ 6.800	(NIN-CC) NINGUNA CCF		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 377.300

III.TOTALES

IBC Pensión	IBC Salud	IBC Riesgos	IBC Cajas	Aportes Pensión	Aportes Salud	Aportes Riesgos	Aportes Cajas	Aportes Sena	Aportes ICBF	Aportes ESAP	Aportes Min Educación	(Incapacidades, Licencias, Saldos a Favor) EPS	Incapacidades ARP	SUBTOTAL SIN INTERESES DE MORA	TOTAL INTERESES DE MORA	TOTAL FINAL
\$ 1.300.000	\$ 1.300.000	\$ 1.300.000	\$ 0	\$ 208.000	\$ 162.500	\$ 6.800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 377.300	\$ 0	\$ 377.300



PAGADO 01/10/2024 EN HORARIO EXTENDIDO

I. DATOS DEL APORTANTE

Razón Social	JULIANA VELEZ AMAYA		
Documento	CC1001368441	Dirección	DG 75B #6 - 110
Tipo de Empresa	INDEPENDIENTE	Teléfono	3104367539
Tipo Persona	NATURAL	Forma Presentación	ÚNICO
Ciudad	MEDELLIN	Departamento	ANTIOQUIA
Representante Legal		Identificación	
Total Afiliados	1	ARP	ARL SURA

II. DETALLE DEL APORTANTE

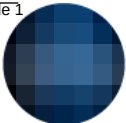
Datos del Afiliado				Novedades																Pensiones			Salud			Riesgos			Cajas			Parafiscales				Total					
Identificación	Apellidos y Nombres	Tipo Cotizante	Subtipo Cotizante	ING	RET	RET P	TAE	TDE	TDP	TAP	USP	COR	USI	IGE	UMA	UAP	UVP	UOT	ING	Días ARP	Días EPS	Días ARP	Días CCF	Administradora	IBC Pensión	Aporte Pensión	Administradora	IBC Salud	Aporte Salud	Tarifa	IBC Riesgos	Aporte Riesgos	Administradora	IBC Caja	Aporte Caja	Aporte SENA	Aporte ICBF	ESAP	Aporte Ministerio	Total	
CC 1001368441	JULIANA VELEZ AMAYA	59	00	X																0	30	30	30	0	(25-14) COLPENSIONES	\$ 1.300.000	\$ 208.000	(EPS005) EPS SANITAS	\$ 1.300.000	\$ 162.500	0,522	\$ 1.300.000	\$ 6.800	(NIN-CC) NINGUNA CCF	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 377.300

III.TOTALES

IBC Pensión	IBC Salud	IBC Riesgos	IBC Cajas	Aportes Pensión	Aportes Salud	Aportes Riesgos	Aportes Cajas	Aportes Sena	Aportes ICBF	Aportes ESAP	Aportes Min Educación	(Incapacidades, Licencias, Saldos a Favor) EPS	Incapacidades ARP	SUBTOTAL SIN INTERESES DE MORA	TOTAL INTERESES DE MORA	TOTAL FINAL
\$ 1.300.000	\$ 1.300.000	\$ 1.300.000	\$ 0	\$ 208.000	\$ 162.500	\$ 6.800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 377.300	\$ 0	\$ 377.300

Líneas de Servicio FonoSIMPLE: Bogotá 601 4446634 - Cali: 602 5540577 - Medellín: 604 5146669 - Bucaramanga: 607 6438000 - Cartagena: 605 6945444 - Pereira: 606 3402582 - Barranquilla: 605 3618850 - Resto del País: 018000 971 971 - ¡Más que Fácil, SIMPLE!

Antes de imprimir, asegúrese que sea realmente necesario. Proteger el medio ambiente está en nuestras manos.





Afiliaciones de una Persona en el Sistema

INFORMACIÓN BÁSICA

Fecha de Corte: 2024-10-25

Número de Identificación	Primer Nombre	Segundo Nombre	Primer Apellido	Segundo Apellido	Sexo
CC 1120376813	DIANA	MARCELA	BECERRA	MONCADA	F

AFILIACIÓN A SALUD

Fecha de Corte: 2024-10-25

Administradora	Régimen	Fecha Afiliación	Estado de Afiliación	Tipo de Afiliado	Departamento -> Municipio
ENTIDAD PROMOTORA DE SALUD SANITAS S.A.S.	Contributivo	01/03/2023	Activo	COTIZANTE	VILLAVICENCIO

AFILIACIÓN A PENSIONES

Fecha de Corte: 2024-10-25

Régimen	Administradora	Fecha de Afiliación	Estado de Afiliación
PENSIONES: AHORRO INDIVIDUAL	SOCIEDAD ADMINISTRADORA DE FONDOS DE PENSIONES Y CESANTIAS PORVENIR SA	2020-02-02	Inactivo

AFILIACIÓN A RIESGOS LABORALES

Fecha de Corte: 2024-10-25

Administradora	Fecha de Afiliación	Estado de Afiliación	Actividad Economica	Municipio Labora
POSITIVA COMPAÑIA DE SEGUROS	2023-11-09	Activa		Meta- MAPIRIPÁN

AFILIACIÓN A COMPENSACIÓN FAMILIAR

Fecha de Corte: 2024-10-25

Administradora CF	Fecha de Afiliación	Estado de Afiliación	Tipo de Miembro de la Población Cubierta	Tipo de Afiliado	Municipio Labora
CAJA DE COMPENSACION FAMILIAR REGIONAL DEL META COFREM	2024-01-01	Activo	Afiliado	Trabajador afiliado dependiente	

CONFORME CON LA NORMATIVIDAD VIGENTE, LAS ADMINISTRADORAS SON LAS RESPONSABLE DEL CONTENIDO Y LA CALIDAD DE LA INFORMACIÓN REPORTADA AL RUAF, CUALQUIER INCONSISTENCIA DEBE SER INFORMADA A LA ADMINISTRADORA RESPECTIVA, QUIEN DEBE RESOLVERLA.

Ministerio de Salud y Protección Social.
Dirección: Cra. 13 # 32 - 76. Colombia, Bogotá D.C. PBX: (57-1) 330 5000, Fax: (57-1) 330 5050.



Afiliaciones de una Persona en el Sistema

AFILIACIÓN A CESANTIAS				Fecha de Corte:	2024-10-25
Régimen	Administradora	Fecha de Afiliación	Estado de Afiliación	Municipio Labora	
CESANTÍAS: ESPECIAL	SOCIEDAD ADMINISTRADORA DE FONDOS DE PENSIONES Y CESANTIAS PORVENIR SA	2024-02-09	VIGENTE	Bogotá, D.C.- BOGOTÁ	

PENSIONADOS

Fecha de Corte: 2024-10-25

No se han reportado pensiones para esta persona.

VINCULACIÓN A PROGRAMAS DE ASISTENCIA SOCIAL

Fecha de Corte: 2024-10-25

No se han reportado vinculaciones para esta persona.

CONFORME CON LA NORMATIVIDAD VIGENTE, LAS ADMINISTRADORAS SON LAS RESPONSABLE DEL CONTENIDO Y LA CALIDAD DE LA INFORMACIÓN REPORTADA AL RUAF, CUALQUIER INCONSISTENCIA DEBE SER INFORMADA A LA ADMINISTRADORA RESPECTIVA, QUIEN DEBE RESOLVERLA.

Ministerio de Salud y Protección Social.
Dirección: Cra. 13 # 32 - 76. Colombia, Bogotá D.C. PBX: (57-1) 330 5000, Fax: (57-1) 330 5050.



Afiliaciones de una Persona en el Sistema

INFORMACIÓN BÁSICA

Fecha de Corte: 2024-10-25

Número de Identificación	Primer Nombre	Segundo Nombre	Primer Apellido	Segundo Apellido	Sexo
CC 1121921950	JAVIER	ESTEBAN	FONSECA	MOYANO	M

AFILIACIÓN A SALUD

Fecha de Corte: 2024-10-25

Administradora	Régimen	Fecha Afiliación	Estado de Afiliación	Tipo de Afiliado	Departamento -> Municipio
ENTIDAD PROMOTORA DE SALUD SANITAS S.A.S.	Contributivo	01/12/2023	Activo	COTIZANTE	VILLAVICENCIO

AFILIACIÓN A PENSIONES

Fecha de Corte: 2024-10-25

Régimen	Administradora	Fecha de Afiliación	Estado de Afiliación
PENSIONES: AHORRO INDIVIDUAL	SOCIEDAD ADMINISTRADORA DE FONDOS DE PENSIONES Y CESANTIAS PORVENIR SA	2020-08-14	Inactivo

AFILIACIÓN A RIESGOS LABORALES

Fecha de Corte: 2024-10-25

Administradora	Fecha de Afiliación	Estado de Afiliación	Actividad Económica	Municipio Labora
Seguros de Vida Suramericana	2023-12-07	Activa		Meta- VILLAVICENCIO

CONFORME CON LA NORMATIVIDAD VIGENTE, LAS ADMINISTRADORAS SON LAS RESPONSABLE DEL CONTENIDO Y LA CALIDAD DE LA INFORMACIÓN REPORTADA AL RUAF, CUALQUIER INCONSISTENCIA DEBE SER INFORMADA A LA ADMINISTRADORA RESPECTIVA, QUIEN DEBE RESOLVERLA.

Ministerio de Salud y Protección Social.
Dirección: Cra. 13 # 32 - 76. Colombia, Bogotá D.C. PBX: (57-1) 330 5000, Fax: (57-1) 330 5050.



Afiliaciones de una Persona en el Sistema

RIESGOS PROFESIONALES COLMENA SA COMPAÑIA DE SEGUROS DE VIDA	2020-10-14	Activa	EMPRESAS DEDICADAS A ACTIVIDADES DE ARQUITECTURA E INGENIERIA Y ACTIVIDADES CONEXAS DE ASESORAMIENTO TECNICO INCLUYE SOLAMENTE EMPRESAS DEDICADAS A ACTIVIDADES DE OBRA DE CONSTRUCCIÓN, DIRECCIÓN DE OBRAS DE CONSTRUCCIÓN, ARQUITECTURA, INGENIERIA Y AGRIMESURA, EXPLOTACIÓN Y PROSPECCIÓN GEOLOGICAS, ASESORAMIENTO TÉCNICO CONEXO INCLUYE SOLAMENTE A EMPRESAS DEDICADAS A DISEÑO INDUSTRIAL Y DEMÁQUINAS CON INTERVENCIÓN DIRECTA EN LA OBRA	Meta- VILLAVICENCIO
---	------------	--------	--	---------------------

AFILIACIÓN A COMPENSACIÓN FAMILIAR

Fecha de Corte: 2024-10-25

Administradora CF	Fecha de Afiliación	Estado de Afiliación	Tipo de Miembro de la Población Cubierta	Tipo de Afiliado	Municipio Labora
CAJA DE COMPENSACION FAMILIAR REGIONAL DEL META COFREM	2020-08-13	Activo	Afiliado	Trabajador afiliado dependiente	
CAJA DE COMPENSACION FAMILIAR REGIONAL DEL META COFREM	2023-12-07	Activo	Afiliado	Trabajador afiliado dependiente	

AFILIACIÓN A CESANTIAS

Fecha de Corte: 2024-10-25

Régimen	Administradora	Fecha de Afiliación	Estado de Afiliación	Municipio Labora
CESANTÍAS: ESPECIAL	ADMINISTRADORA DE FONDOS DE PENSIONES Y CESANTIA PROTECCION SA	2023-02-13	VIGENTE	Meta- VILLAVICENCIO
CESANTÍAS: ESPECIAL	SOCIEDAD ADMINISTRADORA DE FONDOS DE PENSIONES Y CESANTIAS PORVENIR SA	2024-02-12	VIGENTE	Bogotá, D.C.- BOGOTÁ

PENSIONADOS

Fecha de Corte: 2024-10-25

No se han reportado pensiones para esta persona.

CONFORME CON LA NORMATIVIDAD VIGENTE, LAS ADMINISTRADORAS SON LAS RESPONSABLE DEL CONTENIDO Y LA CALIDAD DE LA INFORMACIÓN REPORTADA AL RUAF, CUALQUIER INCONSISTENCIA DEBE SER INFORMADA A LA ADMINISTRADORA RESPECTIVA, QUIEN DEBE RESOLVERLA.

Ministerio de Salud y Protección Social.
Dirección: Cra. 13 # 32 - 76. Colombia, Bogotá D.C. PBX: (57-1) 330 5000, Fax: (57-1) 330 5050.



Afiliaciones de una Persona en el Sistema

VINCULACIÓN A PROGRAMAS DE ASISTENCIA SOCIAL

No se han reportado vinculaciones para esta persona.

Fecha de Corte: 2024-10-25

CONFORME CON LA NORMATIVIDAD VIGENTE, LAS ADMINISTRADORAS SON LAS RESPONSABLE DEL CONTENIDO Y LA CALIDAD DE LA INFORMACIÓN REPORTADA AL RUAF, CUALQUIER INCONSISTENCIA DEBE SER INFORMADA A LA ADMINISTRADORA RESPECTIVA, QUIEN DEBE RESOLVERLA.

Ministerio de Salud y Protección Social.
Dirección: Cra. 13 # 32 - 76. Colombia, Bogotá D.C. PBX: (57-1) 330 5000, Fax: (57-1) 330 5050.

DATOS GENERALES DEL APORTANTE									
Identificación	dv	Razon Social	Clase Aportante	Sucursal Principal	Direccion	Ciudad-Departamento	Teléfono	Exonerado SENA e ICBF	
CC 1026271871		JIMENEZ CARRILLO JUAN CARLOS	INDEPENDIENTE	PRINCIPAL	CALLE 69D BIS NO 1 - 22 SUR	BOGOTA-BOGOTA D.E.	7646562	No	
DATOS GENERALES DE LA LIQUIDACION									
Periodo		Clave		Tipo		Fecha		Pago	
Pensión	Salud	Pago	Planilla	Planilla	Limite	Pago		Dias Mora	Valor
2024-09	2024-09	995963292	9474868814	I	2024/10/17	2024/10/21	BANCOLOMBIA	4	\$488,500

LIQUIDACION DETALLADA DE APORTES									
EMPLEADO					PENSION				
No.	Identificación	Nombres	Codigo	Dias	IBC	Aporte	Codigo	Dias	IBC
Sucursal: PRINCIPAL (1 Afiliados)					\$1,300,000	\$208,000			
Centro de Trabajo: PRINCIPAL (1 Afiliados)					\$1,300,000	\$208,000			
Ciudad: BOGOTA Depto: BOGOTA D.E. (1 Afiliados)					\$1,300,000	\$208,000			
1	CC 1026271871	JIMENEZ JUAN	230201	30	\$1,300,000	\$208,000	EPS005	30	\$1,300,000
Total Afiliados(1)					\$1,300,000	\$208,000			
					SALUD				
					IBC	Aporte	Codigo	Dias	IBC
					\$1,300,000	\$162,500			
					\$1,300,000	\$162,500			
					\$1,300,000	\$162,500			
					\$1,300,000	\$162,500	CCF72	30	\$1,300,000
					\$1,300,000	\$162,500			
					CCF				
					IBC	Aporte	Codigo	Dias	IBC
					\$1,300,000	\$26,000			
					\$1,300,000	\$26,000			
					\$1,300,000	\$26,000			
					\$1,300,000	\$26,000	14-23	30	\$1,300,000
					\$1,300,000	\$26,000			
					RIESGOS				
					IBC	Aporte	Codigo	Dias	IBC
					\$1,300,000	\$90,500			
					\$1,300,000	\$90,500			
					\$1,300,000	\$90,500			
					\$1,300,000	\$90,500			
					\$1,300,000	\$90,500			
					PARAFISCALES				
					Dias	Aporte		Dias	Aporte
						\$0			\$0
						\$0			\$0
						\$0			\$0
						\$0			\$0
						\$0			\$0
						\$0			\$0

DATOS GENERALES DEL APORTANTE									
Identificación	dv	Razon Social	Clase Aportante	Sucursal Principal	Direccion	Ciudad-Departamento	Teléfono	Exonerado SENA e ICBF	
CC 1026271871		JIMENEZ CARRILLO JUAN CARLOS	INDEPENDIENTE	PRINCIPAL	CALLE 69D BIS NO 1 - 22 SUR	BOGOTÁ-BOGOTÁ D.E.	7646562		No
DATOS GENERALES DE LA LIQUIDACION									
Periodo		Clave		Tipo		Fecha		Pago	
Pensión	Salud	Pago	Planilla	Planilla	Limite	Pago	Banco	Días Mora	Valor
2024-09	2024-09	995963292	9474868814	I	2024/10/17	2024/10/21	BANCOLOMBIA	4	\$488,500

RESUMEN DE PAGO									
RIESGO		CODIGO	NIT	DV	AFILIADOS	VALOR LIQUIDADO	INTERESES MORA	SALDOS E INCAPACIDADES	VALOR A PAGAR
AFP (ADMINISTRADORAS: 1)									
PROTECCION		230201	800,229,739	0	1	\$208,000	\$600	\$0	\$208,600
ARL (ADMINISTRADORAS: 1)									
POSITIVA COMPAÑIA DE SEGUROS		14-23	860,011,153	6	1	\$90,500	\$300	\$0	\$90,800
CCF (ADMINISTRADORAS: 1)					1	\$26,000	\$100	\$0	\$26,100
COLSUBSIDIO		CCF22	860,007,336	1	1	\$26,000	\$100	\$0	\$26,100
EPS (ADMINISTRADORAS: 1)									
SANITAS		EPS005	800,251,440	6	1	\$162,500	\$500	\$0	\$163,000
TOTAL					1	\$487,000	\$1,500	\$0	\$488,500

DATOS DEL APORTANTE							EXONERADO PAGO PARAFISCALES Y SALUD
TIPO	NÚMERO	NOMBRE APORTANTE		DIRECCIÓN	TELÉFONO	CORREO	
CC	1015424329	KEVIN JULIAN MORAN MONCALEANO		Carrera 74 No 163 - 33	3223541	kevinm08@hotmail.com	
FORMA PRESENTACIÓN	CLASE APORTANTE	NOMBRE SUCURSAL	CÓDIGO	DEPARTAMENTO	CIUDAD / MUNICIPIO		
ÚNICA	I – Independiente			BOGOTÁ D. C.	BOGOTÁ, D.C.		
							SI

DATOS DE LA PLANILLA						
PLANILLA ASOCIADA	FECHA PAGO ASOCIADA (DIAS/MES/AÑO)	TIPO PLANILLA	FECHA PAGO (DIA/MES/AÑO)	NÚMERO PLANILLA	CANTIDAD	
					EMPLEADOS	UPC
					1	0
PERIODO SALUD	PERIODO PENSIONES				TOTAL A PAGAR	
2024-09	2024-09	I	15/10/2024	80998005	\$625.600	

TOTALES POR SUBSISTEMAS

TOTALES SALUD													
Código EPS	Nombre	NIT	Cotización Obligatoria	UPC Adicional	Incapacidades		Licencia Maternidad		Días Mora	Valor Mora Cotización	Valor Mora UPC	Total a Pagar	No. Afiliados
					No. Autorización	Valor	No. Autorización	Valor					
EPS001	ALIANSA SALUD EPS S.A.	830113831-0	273.000	0		0		0	7	1.400	0	274.400	1

TOTALES PENSIÓN												
Código AFP	Nombre	NIT	Cotización Obligatoria	Aporte Voluntario Afiliado	Aporte Voluntario Aportante	Aporte FSP - Solidaridad	Aporte FSP - Subsistencia	Días Mora	Valor Mora Cotización	Valor Mora FSP	Total a Pagar	No. Afiliados
230301	Porvenir	800224808-8	349.400	0	0	0	0	7	1.800	0	351.200	1

TOTALES RIESGOS LABORALES															
Código ARL	Nombre	NIT	Cotización Obligatoria	Incapacidades		Aportes Otros Sistemas	Valor Neto Cotización	Días Mora	Valor Mora Cotización	Subtotal Cotización	No. Radicado Saldo a Favor	Valor Saldo a Favor	Fondo Solidaridad	Total a Pagar	No. Afiliados
				No. Autorización	Valor										

TOTALES CAJAS							
Código CCF	Nombre	NIT	Valor Aporte	Días Mora	Valor Mora Aporte	Total a Pagar	No. Afiliados

TOTALES PARAFISCALES				
Valor Aporte	Días Mora	Valor Mora Aporte	Total a Pagar	No. Afiliados
SENA				
0	7	0	0	0
ICBF				
0	7	0	0	0
ESAP				
MEN				

TOTALES POR SUBSISTEMA			
Tipo Administradora	No. Administradoras Reportadas	Valor antes de IGE, LMA, IRP y Mora	Total a Pagar
Salud	1	273.000	274.400
Pensión	1	349.400	351.200
Riesgos Laborales	0	0	0
CCF	0	0	0
ESAP	0	0	0
ICBF	0	0	0
MEN	0	0	0
SENA	0	0	0
TOTALES	2	622.400	625.600

DATOS DEL APORTANTE						
TIPO	NÚMERO	NOMBRE APORTANTE		DIRECCIÓN	TELÉFONO	CORREO
CC	1015424329	KEVIN JULIAN MORAN MONCALEANO		Carrera 74 No 163 - 33	3223541	kevinm08@hotmail.com
FORMA PRESENTACIÓN	CLASE APORTANTE	NOMBRE SUCURSAL	CÓDIGO	DEPARTAMENTO	CIUDAD / MUNICIPIO	
ÚNICA	I – Independiente			BOGOTÁ D. C.	BOGOTÁ, D.C.	
						SI

DATOS DE LA PLANILLA					
PLANILLA ASOCIADA	FECHA PAGO ASOCIADA (DIA/MES/AÑO)	TIPO PLANILLA	FECHA PAGO (DIA/MES/AÑO)	NÚMERO PLANILLA	CANTIDAD
					EMPLEADOS
PERIODO SALUD	PERIODO PENSIONES				UPC
2024-09	2024-09	I	15/10/2024	80998005	\$625.600

DETALLE POR COTIZANTE																																														
INFORMACIÓN COTIZANTE										INFORMACIÓN NOVEDADES										PENSIÓN						SALUD			RIESGOS LABORALES				CCF			PARAFISCALES										
No.	Tipo	No. de Identificación	Apellidos y Nombres	Cotizante	Subjeto	Exonerado	Columna exonerada	Exonerado	ING	RET	TDE	TAE	TDP	TAP	VSP	VST	SILN	IOE	MA	MA	MA	MA	MA	MA	Cód. EPS	IBC EPS	Cotización / Valor UPC	Cód. ARL	IBC ARL	Clase de Riesgo	Cotización	Código CCF	IBC CCF	Aporte CCF	IBC otros parafiscales	Aporte SENA	Aporte ICBF	Aporte ESAP	Aporte MEN							
1	CC	1015424329	MORAN MONCALEANO KEVIN JULIAN	3	0		N																		230301	2.183.366	349.400	0	0	0	0	0	EPS001	2.183.366	273.000		0		0	0	0	0	0	0	0	0

PAGADA



Afiliaciones de una Persona en el Sistema

INFORMACIÓN BÁSICA

Fecha de Corte: 2024-10-25

Número de Identificación	Primer Nombre	Segundo Nombre	Primer Apellido	Segundo Apellido	Sexo
CC 52917945	NATALIA	CAROLINA	SANCHEZ	HERNANDEZ	F

AFILIACIÓN A SALUD

Fecha de Corte: 2024-10-25

Administradora	Régimen	Fecha Afiliación	Estado de Afiliación	Tipo de Afiliado	Departamento -> Municipio
NUEVA EPS S.A.	Contributivo	07/01/2018	Activo	BENEFICIARIO	BOGOTA D.C.

AFILIACIÓN A PENSIONES

Fecha de Corte: 2024-10-25

Régimen	Administradora	Fecha de Afiliación	Estado de Afiliación
PENSIONES: PRIMA MEDIA	ADMINISTRADORA COLOMBIANA DE PENSIONES COLPENSIONES	2005-08-29	Activo no cotizante

AFILIACIÓN A RIESGOS LABORALES

Fecha de Corte: 2024-10-25

Administradora	Fecha de Afiliación	Estado de Afiliación	Actividad Economica	Municipio Labora
POSITIVA COMPAÑIA DE SEGUROS	2011-09-12	Activa	EMPRESAS DEDICADAS A ACTIVIDADES DE ARQUITECTURA E INGENIERÍA Y ACTIVIDADES CONEXAS DE ASESORAMIENTO TÉCNICO INCLUYE ACTIVIDADES DE DIRECCIÓN DE OBRAS DE CONSTRUCCIÓN, AGRIMENSURA Y DE EXPLOTACIÓN Y PROSPECCIÓN GEOLÓGICAS ASÍ COMO LA PRESTACIÓN DE ASESORAMIENTO TÉCNICO CONEXO, EL DISEÑO INDUSTRIAL Y DE MÁQUINAS (SIN INTERVENCIÓN DIRECTA EN LAS OBRAS)	Bogotá, D.C.- BOGOTÁ

AFILIACIÓN A COMPENSACIÓN FAMILIAR

Fecha de Corte: 2024-10-25

CONFORME CON LA NORMATIVIDAD VIGENTE, LAS ADMINISTRADORAS SON LAS RESPONSABLE DEL CONTENIDO Y LA CALIDAD DE LA INFORMACIÓN REPORTADA AL RUAF, CUALQUIER INCONSISTENCIA DEBE SER INFORMADA A LA ADMINISTRADORA RESPECTIVA, QUIEN DEBE RESOLVERLA.

Ministerio de Salud y Protección Social.
Dirección: Cra. 13 # 32 - 76. Colombia, Bogotá D.C. PBX: (57-1) 330 5000, Fax: (57-1) 330 5050.



Afiliaciones de una Persona en el Sistema

Administradora CF	Fecha de Afiliación	Estado de Afiliación	Tipo de Miembro de la Población Cubierta	Tipo de Afiliado	Municipio Labora
CAJA COLOMBIANA DE SUBSIDIO FAMILIAR COLSUBSIDIO	2021-01-22	Activo	Afiliado	Trabajador afiliado dependiente	
CAJA COLOMBIANA DE SUBSIDIO FAMILIAR COLSUBSIDIO	2021-01-22	Activo	Afiliado	Trabajador afiliado dependiente	

AFILIACIÓN A CESANTIAS

Fecha de Corte: 2024-10-25

Régimen	Administradora	Fecha de Afiliación	Estado de Afiliación	Municipio Labora
CESANTÍAS: TRADICIONAL	FONDO NACIONAL DEL AHORRO	2013-09-16	VIGENTE	

PENSIONADOS

Fecha de Corte: 2024-10-25

No se han reportado pensiones para esta persona.

VINCULACIÓN A PROGRAMAS DE ASISTENCIA SOCIAL

Fecha de Corte: 2024-10-25

No se han reportado vinculaciones para esta persona.

CONFORME CON LA NORMATIVIDAD VIGENTE, LAS ADMINISTRADORAS SON LAS RESPONSABLE DEL CONTENIDO Y LA CALIDAD DE LA INFORMACIÓN REPORTADA AL RUAF, CUALQUIER INCONSISTENCIA DEBE SER INFORMADA A LA ADMINISTRADORA RESPECTIVA, QUIEN DEBE RESOLVERLA.

Ministerio de Salud y Protección Social.
Dirección: Cra. 13 # 32 - 76. Colombia, Bogotá D.C. PBX: (57-1) 330 5000, Fax: (57-1) 330 5050.

PLANILLA INTEGRADA DE AUTOLIQUIDACION DE APORTES

DATOS DEL APORTANTE						
TIPO	NÚMERO	NOMBRE APORTANTE		DIRECCIÓN	TELÉFONO	CORREO
NI	900718382-6	Konn Ingeniería SAS		Calle 171 no. 56 a 05	3174396249	konningenieria@gmail.com
FORMA PRESENTACIÓN	CLASE APORTANTE	NOMBRE SUCURSAL	CÓDIGO	DEPARTAMENTO	CIUDAD / MUNICIPIO	
ÚNICA	B – menos de 200 c			BOGOTÁ D. C.	BOGOTÁ, D.C.	
						EXONERADO PAGO PARAFISCALES Y SALUD
						SI

DATOS DE LA PLANILLA					
PLANILLA ASOCIADA	FECHA PAGO ASOCIADA (DÍA/MES/AÑO)	TIPO PLANILLA	FECHA PAGO (DÍA/MES/AÑO)	NÚMERO PLANILLA	CANTIDAD
					EMPLADOS
PERIODO SALUD	PERIODO PENSIONES				UPC
2024-10	2024-09	E		80710222	\$1.536.300

TOTALES POR SUBSISTEMAS

TOTALES SALUD													
Código EPS	Nombre	NIT	Cotización Obligatoria	UPC Adicional	Incapacidades		Licencia Maternidad		Días Mora	Valor Mora Cotización	Valor Mora UPC	Total a Pagar	No. Afiliados
					No. Autorización	Valor	No. Autorización	Valor					
EPS005	Sanitas EPS	800251440-6	131.000	0		0		0	0	0	0	131.000	1
EPS008	Compensar EPS	860066942-7	119.700	0		0		0	0	0	0	119.700	2

TOTALES PENSIÓN												
Código AFP	Nombre	NIT	Cotización Obligatoria	Aporte Voluntario Afiliado	Aporte Voluntario Aportante	Aporte FSP - Solidaridad	Aporte FSP - Subsistencia	Días Mora	Valor Mora Cotización	Valor Mora FSP	Total a Pagar	No. Afiliados
230301	Porvenir	800224808-8	754.800	0	0	0	0	0	0		754.800	2
231001	Colfondos	800227940-6	247.300	0	0	0	0	0	0		247.300	1

TOTALES RIESGOS LABORALES															
Código ARL	Nombre	NIT	Cotización Obligatoria	Incapacidades		Aportes Otros Sistemas	Valor Neto Cotización	Días Mora	Valor Mora Cotización	Subtotal Cotización	No. Radicado Saldo a Favor	Valor Saldo a Favor	Fondo Solidaridad	Total a Pagar	No. Afiliados
				No. Autorización	Valor										
14-11	ARL SURA	890903790-5	32.800				32.800	0	0	32.800			328	32.800	3

TOTALES CAJAS							
Código CCF	Nombre	NIT	Valor Aporte	Días Mora	Valor Mora Aporte	Total a Pagar	No. Afiliados
CCF24	Compensar Caja	860066942-7	250.700	0	0	250.700	3

TOTALES PARAFISCALES				
Valor Aporte	Días Mora	Valor Mora Aporte	Total a Pagar	No. Afiliados
SENA				
0	0	0	0	0
ICBF				
0	0	0	0	0
ESAP				
MEN				

TOTALES POR SUBSISTEMA			
Tipo Administradora	No. Administradoras Reportadas	Valor antes de IGE, LMA, IRP y Mora	Total a Pagar
Salud	2	250.700	250.700
Pensión	2	1.002.100	1.002.100
Riesgos Laborales	1	32.800	32.800
CCF	1	250.700	250.700
ESAP	0	0	0
ICBF	0	0	0
MEN	0	0	0
SENA	0	0	0
TOTALES	6	1.536.300	1.536.300

PLANILLA INTEGRADA DE AUTOLIQUIDACION DE APORTES

DATOS DEL APORTANTE						
TIPO	NÚMERO	NOMBRE APORTANTE		DIRECCIÓN	TELÉFONO	CORREO
NI	900718382-6	Konin Ingeniería SAS		Calle 171 no. 56 a 05	3174396249	konningeneria@gmail.com
FORMA PRESENTACIÓN	CLASE APORTANTE	NOMBRE SUCURSAL	CÓDIGO	DEPARTAMENTO	CIUDAD / MUNICIPIO	
ÚNICA	B – menos de 200 c			BOGOTÁ D. C.	BOGOTÁ, D.C.	
						SI

DATOS DE LA PLANILLA					
PLANILLA ASOCIADA	FECHA PAGO ASOCIADA (DIA/MES/AÑO)	TIPO PLANILLA	FECHA PAGO (DIA/MES/AÑO)	NÚMERO PLANILLA	CANTIDAD
					EMPLADOS
					UPC
PERIODO SALUD	PERIODO PENSIONES				30
TOTAL A PAGAR					
2024-10	2024-09	E		80710222	\$1.536.300

DETALLE POR COTIZANTE

INFORMACIÓN COTIZANTE										INFORMACIÓN NOVEDADES										PENSIÓN						SALUD			RIESGOS LABORALES			CCF			PARAFISCALES												
No.	Tipo	No. de Identificación	Apellidos y Nombres	Cotizante	Subjugo	Exonerado	Colonia exonerada	Exonerado	ING	RET	TDE	TAE	TDP	TAP	VSP	VST	SILN	IOE	MA	MA	MA	MA	MA	MA	Cód. AFP	IBC AFP	Cotización	Voluntari o Afiliado	Voluntario Aportante	Fondo pensional de solidaridad	Fondo pensional de subsistencia	Cód. EPS	IBC EPS	Cotización / Valor UPC	Cód. ARL	IBC ARL	Clase de Riesgo	Cotización	Código CCF	IBC CCF	Aporte CCF	IBC otros parafiscales	Aporte SENA	Aporte ICBF	Aporte ESAP	Aporte MEN	
1	CC	1000462524	SANCHEZ ACEVEDO ANGIE SOFIA	1	0			S																	230301	1.443.000	230.900	0	0	0	0	0	EPS008	1.443.000	57.800	14-11	1.443.000	1	7.600	CCF24	1.443.000	57.800	0	0	0	0	0
2	CC	80048161	ROJAS CANTOR IVAN DARIO	1	0			S																	231001	1.545.120	247.300	0	0	0	0	0	EPS008	1.545.120	61.900	14-11	1.545.120	1	8.100	CCF24	1.545.120	61.900	0	0	0	0	0
3	CC	80055627	PORRAS GODOY PEDRO ANTONIO	1	0			S																	230301	3.273.852	523.900	0	0	0	0	0	EPS005	3.273.852	131.000	14-11	3.273.852	1	17.100	CCF24	3.273.852	131.000	0	0	0	0	0

DATOS GENERALES DEL APORTANTE									
Identificación	dv	Razon Social			Clase Aportante		Sucursal Principal	Direccion	Exonerado SENA e ICBF
CC 1007585296		RESTREPO MARTÍNEZ ANA ISABEL			INDEPENDIENTE		PRINCIPAL	transversal 32b n 74d -10	No

DATOS GENERALES DE LA LIQUIDACION									
Periodo		Clave		Tipo	Fecha		Pago		
Pensión	Salud	Pago	Planilla	Planilla	Limite	Pago	Banco	Días Mora	Valor
2024-09	2024-09	965862849	9474999945	I	2024/10/23	2024/10/07	BANCOLOMBIA	0	\$377,300

LIQUIDACION DETALLADA DE APORTES																																											
EMPLEADO			NOVEDADES																	PENSION				SALUD				CCF				RIESGOS				PARAFISCALES							
No.	Identificación	Nombre	ing	ret	del	tae	tdp	tap	vsp	cor	vst	sln	lge	lma	vac	avp	vct	irl	vip	Codigo	Dias	IBC	Aporte	Codigo	Dias	IBC	Aporte	Codigo	Dias	IBC	Aporte	Codigo	Dias	IBC	Tarifa	Aporte	Dias	IBC	Aporte	Exonerado SENA e ICBF	Total Aportes		
SUCURSAL: PRINCIPAL (1 Afiliados)																							\$1,300,000	\$208,000			\$1,300,000	\$162,500			\$0	\$0			\$1,300,000		\$6,800		\$0	\$0			\$377,300
Centro de Trabajo: PRINCIPAL (1 Afiliados)																							\$1,300,000	\$208,000			\$1,300,000	\$162,500			\$0	\$0			\$1,300,000		\$6,800		\$0	\$0			\$377,300
Ciudad: MEDELLIN Depto: ANTIOQUIA (1 Afiliados)																							\$1,300,000	\$208,000			\$1,300,000	\$162,500			\$0	\$0			\$1,300,000		\$6,800		\$0	\$0			\$377,300
1	CC	1007585296	RESTREPO ANA	X																25-14	30	\$1,300,000	\$208,000	EPS010	30	\$1,300,000	\$162,500		0		\$0	\$0	14-11	30	\$1,300,000	0.522%	\$6,800	0	\$0	\$0	No	\$377,300	
Total Afiliados(1)																							\$1,300,000	\$208,000			\$1,300,000	\$162,500			\$0	\$0			\$1,300,000		\$6,800		\$0	\$0			\$377,300

DATOS GENERALES DEL APORTANTE									
Identificación	dv	Razon Social			Clase Aportante		Sucursal Principal	Direccion	Exonerado SENA e ICBF
CC 1007585296		RESTREPO MARTÍNEZ ANA ISABEL			INDEPENDIENTE		PRINCIPAL	transversal 32b n 74d -10	No

DATOS GENERALES DE LA LIQUIDACION									
Periodo		Clave		Tipo	Fecha		Pago		
Pensión	Salud	Pago	Planilla	Planilla	Limite	Pago	Banco	Dias Mora	Valor
2024-09	2024-09	965862849	9474999945	I	2024/10/23	2024/10/07	BANCOLOMBIA	0	\$377,300

RESUMEN DE PAGO									
RIESGO	CODIGO	NIT	DV	AFILIADOS	VALOR LIQUIDADO	INTERESES MORA	SALDOS E INCAPACIDADES		VALOR A PAGAR
AFP (ADMINISTRADORAS: 1)				1	\$208,000	\$0		\$0	\$208,000
COLPENSIONES	25-14	900,336,004	7	1	\$208,000	\$0		\$0	\$208,000
ARL (ADMINISTRADORAS: 1)				1	\$6,800	\$0		\$0	\$6,800
ARL SURA	14-11	890,903,790	5	1	\$6,800	\$0		\$0	\$6,800
EPS (ADMINISTRADORAS: 1)				1	\$162,500	\$0		\$0	\$162,500
EPS SURA (ANTES SUSALUD)	EPS010	800,088,702	2	1	\$162,500	\$0		\$0	\$162,500
TOTAL				1	\$377,300	\$0		\$0	\$377,300

DATOS GENERALES DEL APORTANTE									
Identificación	dv	Razon Social	Clase Aportante	Sucursal Principal	Direccion	Ciudad-Departamento	Teléfono	Exonerado SENA e ICBF	
CC 79865133		HERRERA TORRES HECTOR HUGO	INDEPENDIENTE	PRINCIPAL	CRA 9 NO 37 04	VILLAVICENCIO-META	6838443	No	
DATOS GENERALES DE LA LIQUIDACION									
Periodo		Clave		Tipo	Fecha		Pago		
Pensión	Salud	Pago	Planilla	Planilla	Limite	Pago	Banco	Dias Mora	Valor
2024-09	2024-09	957076208	9474072369	I	2024/10/08	2024/10/03	BANCOLOMBIA	0	\$627,700

LIQUIDACION DETALLADA DE APORTES																					
EMPLEADO			PENSION				SALUD				CCF				RIESGOS				PARAFISCALES		
No.	Identificación	Nombres	Codigo	Días	IBC	Aporte	Codigo	Días	IBC	Aporte	Codigo	Días	IBC	Aporte	Codigo	Días	IBC	Aporte	Días	IBC	Aporte
Sucursal: PRINCIPAL (1 Afiliados)					\$2,028,183	\$324,600			\$2,028,183	\$253,600			\$0	\$0			\$2,028,183	\$49,500		\$0	\$0
Centro de Trabajo: PRINCIPAL (1 Afiliados)					\$2,028,183	\$324,600			\$2,028,183	\$253,600			\$0	\$0			\$2,028,183	\$49,500		\$0	\$0
Ciudad: VILLAVICENCIO Depto: META (1 Afiliados)					\$2,028,183	\$324,600			\$2,028,183	\$253,600			\$0	\$0			\$2,028,183	\$49,500		\$0	\$0
1	CC 79865133	HERRERA HECTOR	230201	30	\$2,028,183	\$324,600	EPS005	30	\$2,028,183	\$253,600		0	\$0	\$0	14-11	30	\$2,028,183	\$49,500	0	\$0	\$0
Total Afiliados(1)					\$2,028,183	\$324,600			\$2,028,183	\$253,600			\$0	\$0			\$2,028,183	\$49,500		\$0	\$0

DATOS GENERALES DEL APORTANTE								
Identificación	dv	Razon Social	Clase Aportante	Sucursal Principal	Direccion	Ciudad-Departamento	Teléfono	Exonerado SENA e ICBF
CC 79865133		HERRERA TORRES HECTOR HUGO	INDEPENDIENTE	PRINCIPAL	CRA 9 NO 37 04	VILLAVICENCIO-META	6838443	No

DATOS GENERALES DE LA LIQUIDACION									
Periodo		Clave		Tipo	Fecha		Pago		
Pensión	Salud	Pago	Planilla	Planilla	Limite	Pago	Banco	Días Mora	Valor
2024-09	2024-09	957076208	9474072369	I	2024/10/08	2024/10/03	BANCOLOMBIA	0	\$627,700

RESUMEN DE PAGO									
RIESGO	CODIGO	NIT	DV	AFILIADOS	VALOR LIQUIDADO	INTERESES MORA	SALDOS E INCAPACIDADES	VALOR A PAGAR	
AFP (ADMINISTRADORAS: 1)				1	\$324,600	\$0	\$0	\$324,600	
PROTECCION	230201	800,229,739	0	1	\$324,600	\$0	\$0	\$324,600	
ARL (ADMINISTRADORAS: 1)				1	\$49,500	\$0	\$0	\$49,500	
ARL SURA	14-11	890,903,790	5	1	\$49,500	\$0	\$0	\$49,500	
EPS (ADMINISTRADORAS: 1)				1	\$253,600	\$0	\$0	\$253,600	
SANITAS	EPS005	800,251,440	6	1	\$253,600	\$0	\$0	\$253,600	
TOTAL				1	\$627,700	\$0	\$0	\$627,700	

Se certifica que PROYEC ELECTRICA SAS identificado(a) con NI 900445182 realizó los siguientes aportes al Sistema de Seguridad Social para WILMAR FERNANDO GIL USMA identificado(a) con CC 71760678

Clave Planilla	Clave Pago	Tipo Planilla	Fecha Pago	Riesgo	Código	Administradora	Concepto	Periodo	Días
9475691895	995343849	E	2024-10-21	EPS	EPS002	SALUD TOTAL	COTIZACIÓN OBLIGATORIA	2024-10	30
9475691895	995343849	E	2024-10-21	AFP	230301	PORVENIR	COTIZACIÓN OBLIGATORIA	2024-09	30
9475691895	995343849	E	2024-10-21	AFP	230301	PORVENIR	FONDO DE SOLIDARIDAD PENSIONAL	2024-09	30
9475691895	995343849	E	2024-10-21	AFP	230301	SUBCUENTA DE SUBSISTENCIA	SUBCUENTA DE SUBSISTENCIA	2024-09	30
9475691895	995343849	E	2024-10-21	AFP	230301	PORVENIR	COTIZACIÓN VOLUNTARIA EMPLEADOR	2024-09	30
9475691895	995343849	E	2024-10-21	AFP	230301	PORVENIR	COTIZACIÓN VOLUNTARIA AFILADO	2024-09	30
9475691895	995343849	E	2024-10-21	ARL	14-23	POSITIVA COMPAÑIA DE SEGUROS	COTIZACIÓN OBLIGATORIA	2024-09	30
9475691895	995343849	E	2024-10-21	CCF	CCF04	COMFAMA	COTIZACIÓN OBLIGATORIA	2024-09	30
9473497414	923823190	E	2024-09-19	EPS	EPS002	SALUD TOTAL	COTIZACIÓN OBLIGATORIA	2024-09	30
9473497414	923823190	E	2024-09-19	AFP	230301	PORVENIR	COTIZACIÓN OBLIGATORIA	2024-08	30
9473497414	923823190	E	2024-09-19	AFP	230301	PORVENIR	FONDO DE SOLIDARIDAD PENSIONAL	2024-08	30
9473497414	923823190	E	2024-09-19	AFP	230301	SUBCUENTA DE SUBSISTENCIA	SUBCUENTA DE SUBSISTENCIA	2024-08	30
9473497414	923823190	E	2024-09-19	AFP	230301	PORVENIR	COTIZACIÓN VOLUNTARIA EMPLEADOR	2024-08	30
9473497414	923823190	E	2024-09-19	AFP	230301	PORVENIR	COTIZACIÓN VOLUNTARIA AFILADO	2024-08	30
9473497414	923823190	E	2024-09-19	ARL	14-23	POSITIVA COMPAÑIA DE SEGUROS	COTIZACIÓN OBLIGATORIA	2024-08	30
9473497414	923823190	E	2024-09-19	CCF	CCF04	COMFAMA	COTIZACIÓN OBLIGATORIA	2024-08	30

Este certificado se expide el día 2024-10-30 a las 12:39.

18/10/24, 15:04

Correo de Ceyco Ingenieria - Hemos Recibido el Documento enviado por usted



Contabilidad Ceycorp <contabilidad@ceycoingenieria.com>

Hemos Recibido el Documento enviado por usted

Facturacion Electronica <facturacionelectronica@minhacienda.gov.co>

18 de septiembre de 2024, 15:06

Responder a: Facturacion Electronica <facturacionelectronica@minhacienda.gov.co>

Para: contabilidad <contabilidad@ceycoingenieria.com>

Bogotá D. C., 2024-09-18

CONSORCIO CEYET, Reciba un cordial saludo:

El Sistema Integrado de Información Financiera – SIIF Nación del Ministerio de Hacienda y Crédito Público informa que ha recibido el **CEY26**, generada por usted.

MINISTERIO DE LAS CULTURAS, LAS ARTES Y LOS SABERES - GESTION GENERAL

Nota: La información transmitida a través de este correo electrónico es confidencial y está dirigida únicamente a su destinatario. Su reproducción, lectura o uso está prohibido.

Este es un sistema automático, por favor no responda este mensaje al correo remitente.

Recuerde agregar esta dirección de correo a sus contactos y lista de remitentes seguros para asegurarse de recibir nuestros mensajes.