

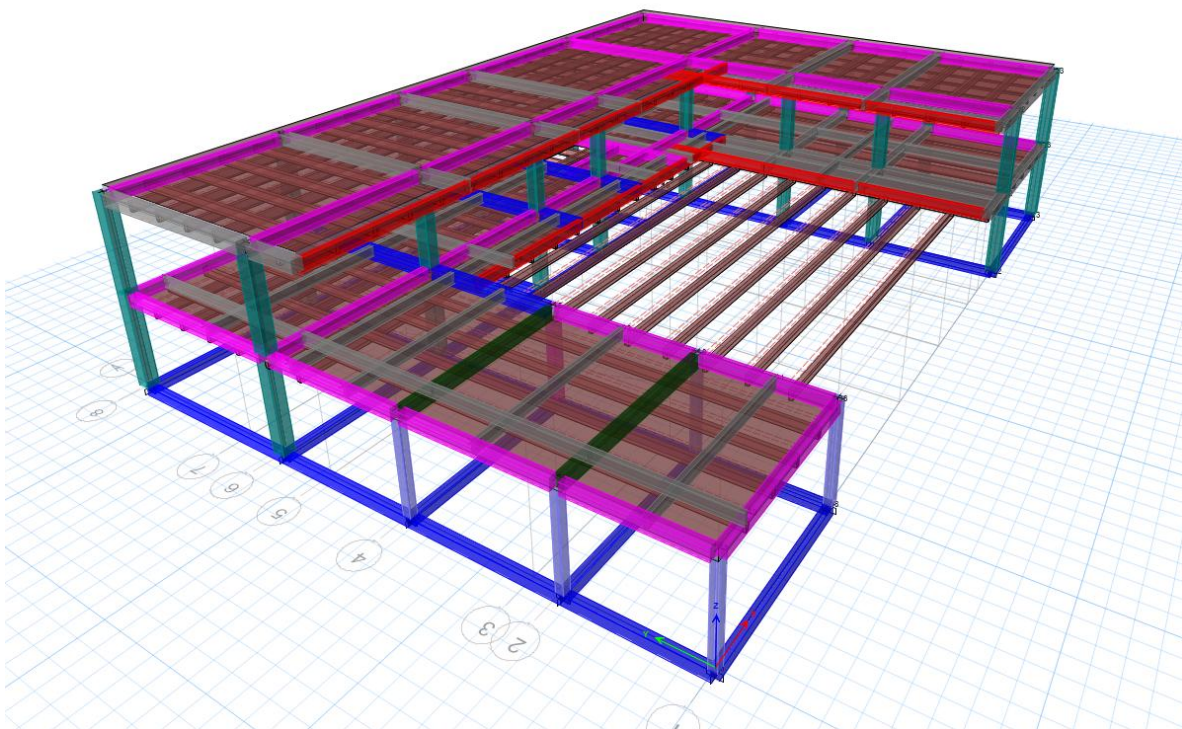
MEMORIAS DE DISEÑO ESTRUCTURAL

SEGÚN NSR-2010

ESTRUCTURA CONCRETO

MEJORAMIENTO DE LA INFRAESTRUCTURA EDUCATIVA EN DISTINTOS MUNICIPIOS DEL DEPARTAMENTO DEL CESAR.

COLEGIO SAN JUAN BOSCO – PAILITAS CESAR



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Valledupar – Julio de 2026

Índice De Modificaciones

ÍNDICE REVISIÓN	CAPITULO MODIFICADO	FECHA DE MODIFICACIÓN	OBSERVACIONES
1		Julio de 2026	Entrega inicial

Tabla De Contenido

Índice De Modificaciones.....	2
Tabla De Contenido	2
1. Objetivos	4
2. Descripción Del Proyecto	4
3. Materiales	5
4. Consideraciones estructurales	6
5. Cargas y Solicitaciones	7
6. Carga De Sismo	8
Espectro Elástico de Diseño	9
Espectro Elástico de Deriva	10
Espectro Elástico de Umbral de Daño	11
Coficiente de disipación de energía	12
Chequeo de Irregularidad en planta	12
Chequeo de Irregularidad en altura	12
7. Combinaciones De Carga Según NSR 10	13
8. Modelo Matemático	14
9. Chequeo De Derivas	15
Chequeo de derivas.....	15
Chequeo de umbral de daño.....	16
10. Chequeo deflexiones	17
11. Chequeo periodo	42
12. Ajuste de Cortante Basal	42
13. Cargas a cimentación	43
14. Diseño de zapatas	45
Z-1.....	45
Z-2.....	46
Z-3.....	47
Z-4.....	48
15. Conclusiones	49
16. Diseño De Vigas De Cimentación	51
17. Diseño de Columnas	52
18. Diseño de Vigas aéreas	53

19.	Diseño de viguetas.....	54
20.	Reporte del programa	55

1. Objetivos

- Presentar los procedimientos y metodologías utilizadas en el análisis y diseño estructural de la cimentación, columnas, y cubierta, que conforman los pórticos de concreto del sistema de resistencia sísmica de la edificación.
- Entregar los planos de construcción, cumpliendo con todos los requisitos legales y normativos aplicables a construcciones sismo resistentes en Colombia, conforme al "Reglamento Colombiano de Diseño y Construcción Sismo Resistente" NSR-10.

2. Descripción Del Proyecto

El presente trabajo pretende desarrollar el diseño estructural del **MEJORAMIENTO DE LA INFRAESTRUCTURA EDUCATIVA EN DISTINTOS MUNICIPIOS DEL DEPARTAMENTO DEL CESAR, COLEGIO SAN JUAN BOSCO DEL MUNICIPIO DE PAILITAS**, con cubierta en losa localizada en el municipio de Pailitas, Departamento del Cesar. En este informe se detallan los cálculos específicos para dicha edificación.

Pailitas, se encuentra localizada en zona de amenaza sísmica intermedia, con un coeficiente de aceleración pico afectiva de $A_a = 0.15$ y $A_v = 0.10$, coeficiente de importancia = **Grupo III**. Edificaciones de atención a la comunidad, valor coeficiente de importancia $I = 1.25$.

Según los datos de estudios de suelos realizados por nuestra firma consultora, se encontró un Tipo de Perfil del suelo = **D** con Coeficiente $F_a = 1.50$ y Coeficiente $F_v = 2.40$ con capacidad admisible del suelo de 14.2 kg/cm² (14.2 Ton/m²).

Para la modelación y definición del diseño de los elementos estructurales, nuestra empresa se apoya en el software de diseño **ETABS Plus V 2013, Modulo 5** – Fundaciones y tablas dinámicas de Excel de los cuales tenemos licencia vigente.

3. Materiales

Las siguientes son las especificaciones mínimas establecidas para los materiales utilizables en la construcción:

- **Concreto:** Debe tener una resistencia a la compresión a los 28 días, $f'c$, igual o superior a 28.00 Mpa en las zapatas, vigas de cimentación, columnas, vigas aéreas.

El módulo de elasticidad usado es según NSR-10

$$Ec = 3900\sqrt{f'c} = 3900\sqrt{28} = 2104960MPa$$

Los solados de limpieza deben tener una resistencia a la compresión de 14 MPa.

- **Acero de refuerzo:** El acero de refuerzo longitudinal debe ser corrugado. En ningún caso, el acero de refuerzo puede tener un límite de fluencia, f_y , inferior a 420 MPa (4200 Kg/cm²) (60.000 PSI).

$$Ec = 200.000$$

4. Consideraciones estructurales

Las estructuras constan de pórticos en concreto, formando un sistema reticular de resistencia sísmica en ambas direcciones. El sistema estructural utilizado para soportar las estructuras y las cargas que se presenten (cargas muertas, cargas vivas, cargas de viento y cargas debido a eventos sísmicos) serán de pórtico en concreto, con columnas de 0.50x0.5m (bxh), soportadas sobre zapatas.

Se calcularán las estructuras de cimentación que constara de zapatas amarradas con vigas de cimentación para así darles estabilidad a la estructura y así aportar resistencia sísmica, cubriendo los requerimientos de carga y los originados en el evento sísmico.

El diseño de los elementos en concreto se rige por el título C-21 de la NSR-10

5. Cargas y Solicitaciones

La estructura de las zonas de cubierta se encuentra conformada por estructura metálica y cubierta liviana.

Carga Muerta

Carga Muerta		
Tipo de Carga	Norma	Carga
Entramado metalico suspendido afinado en cemento	T. B.3.4.3-1	0.07 Ton/m2
Muros	T. B.3.4.3-1	0.3 Ton/m2
Enchape	T. B.3.4.3-1	0.0017 Ton/m2
Afinado de piso	T. B.3.4.3-1	0.15 Ton/m2
Total		0.5217 Ton/m2

Para las cargas muertas se toma como referencia las Tablas B.3.4.1-3; B.3.4.1-1; B.3.4.3-1 que plantea los valores mínimos, tomando el valor de carga muerta de **0.18Ton/m²**. Se toman los valores para una cubierta y para la carga de los elementos estructurales son utilizadas de forma automática por el software **ETABS Plus V 2013**.

Carga Viva

Carga Viva	
Atención a la comunidad	
B.4.2.1-1	
Salones	0.2 Ton/m2
Corredores y Escaleras	0.5 Ton/m2

Y las cargas vivas **0.18Ton/m²**. de acuerdo con lo establecido en las tablas B.4.2.1-1 y B.4.2.1-2 de la NSR-10.

6. Carga De Sismo

Para el cálculo de cargas sísmicas, es necesario calcular el peso propio del edificio y mediante los coeficientes de aceleración y velocidad pico, calcular el período de diseño, cortante basal y así las fuerzas por piso que se ejercen por presencia del sismo.

Con esto es posible ingresar al modelo las cargas vivas, muertas y sísmicas para así proceder con el diseño de los diferentes elementos que conforman la edificación, verificando el cumplimiento de todos ellos por flexión, cortante, torsión, derivas y demás cumplimientos. Todos estos resultados son mostrados en el informe que se crea en el programa **ETABS v2013**, el cual es mostrado en los Anexos.

Datos Generales Del Proyecto			
Ubicación		Pailitas	
Departamento		Cesar	
Altura [m]		9.00	
Número de pisos		2	
Tipo de suelo		D	T-A.2.5.1
Grupo de Uso de Edificación		III	A.2.5.1
Sistema Estructural de resistencia sísmica		1	T-A.4.2-1
Porticos resistentes a momentos de concreto reforzado que resisten la totalidad de las fuerzas sísmicas y que no están limitadas o adheridas a componentes más rígidos estructurales o no estructurales que limiten los desplazamientos horizontales al verse sometidos a las fuerzas sísmicas			

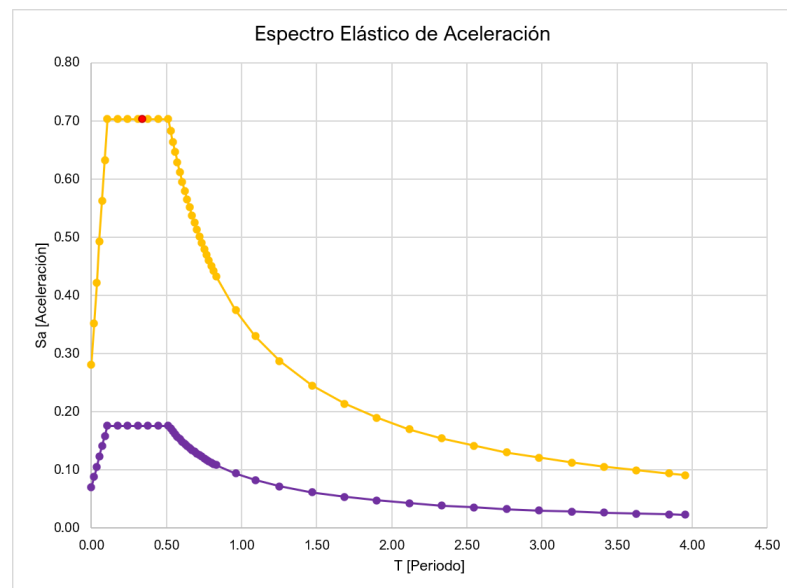
Datos Sísmicos			
Zona de Amenaza Sísmica		Intermedia	Apéndice A-4
Coeficiente de Aceleración	Aa	0.15	Apéndice A-4
Coeficiente de Velocidad	Av	0.1	Apéndice A-4
	Ae	0.08	
	Ad	0.04	
Coeficiente de Amplificación de Sitio	Fa	1.50	T-A.2.4-3
Coeficiente de Amplificación de Sitio	Fv	2.40	T-A.2.4-4
Coeficiente de Importancia	I	1.25	a.2.5.1.
Espectro de Diseño		Gráfico	Título A
Periodo de Vibración Inicial	T0 [s]	0.107	Título A
Periodo de Vibración Corto	Tc [s]	0.512	Título A
Periodo de Vibración Largo	TL [s]	5.76	Título A

Periodo Aproximado			
Coeficiente	Ct	0.047	T- A.4.2-1
Exponente	α	0.9	T- A.4.2-1
Periodo de Vibración aproximado	Ta [s]	0.340	For- A.4.2-3
Coeficiente	Cu	1.46	For- A.4.2-2
Periodo máximo	Tmax	0.50	For- A.4.2-2
Periodo a partir del valor $S_a(Cu \cdot Ta)$	[s]=CuTa	0.7252	

Exponente de periodo fundamental de la edificación			
	k	1	A.4.3.2

Espectro Elástico de Diseño

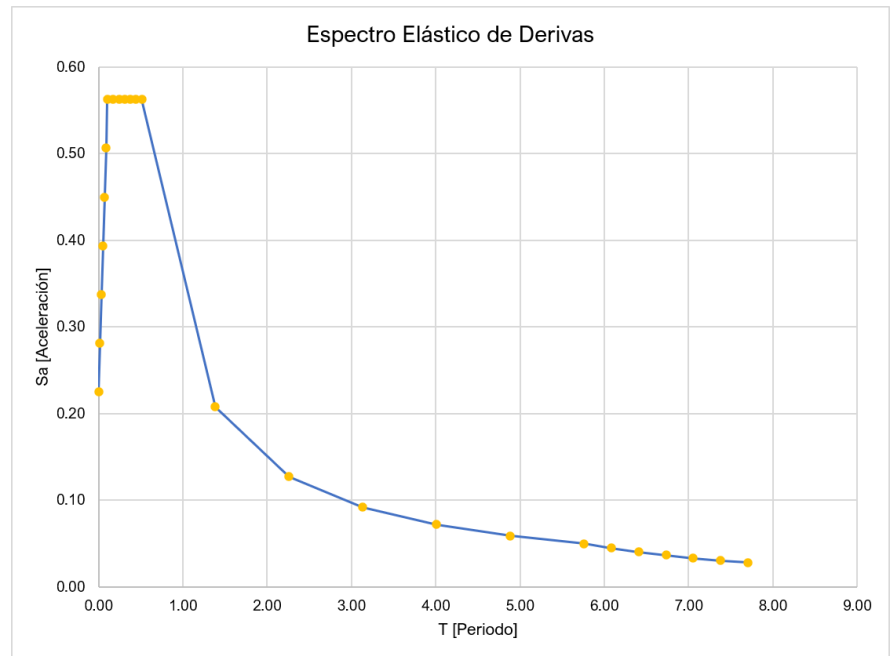
Espectro Elástico de Aceleración		
T	Sa	Sa/R
[s]	[g]	
0.00	0.28	0.070
0.02	0.35	0.088
0.04	0.42	0.105
0.05	0.49	0.123
0.07	0.56	0.141
0.09	0.63	0.158
0.11	0.70	0.176
0.17	0.70	0.176
0.24	0.70	0.176
0.31	0.70	0.176
0.38	0.70	0.176
0.44	0.70	0.176
0.51	0.70	0.176
0.53	0.68	0.171
0.54	0.66	0.166
0.56	0.65	0.162
0.57	0.63	0.157
0.59	0.61	0.153
0.60	0.60	0.149
0.62	0.58	0.145
0.64	0.57	0.141
0.65	0.55	0.138
0.67	0.54	0.134
0.69	0.53	0.131
0.70	0.51	0.128
0.72	0.50	0.125
0.73	0.49	0.123
0.75	0.48	0.120
0.77	0.47	0.117
0.78	0.46	0.115
0.80	0.45	0.113
0.82	0.44	0.110
0.83	0.43	0.108
0.96	0.37	0.094
1.09	0.33	0.083
1.25	0.29	0.072
1.47	0.25	0.061
1.68	0.21	0.053
1.90	0.19	0.047
2.12	0.17	0.043
2.33	0.15	0.039
2.55	0.14	0.035
2.76	0.13	0.033
2.98	0.12	0.030
3.20	0.11	0.028
3.41	0.11	0.026
3.63	0.10	0.025
3.84	0.09	0.023
3.95	0.09	0.023



Espectro Elástico de Deriva

Grupo de Uso de Edificación		I
Coefficiente de Importancia	I	1.00

Espectro de Deriva	
T [s]	Sa [g]
0.00	0.23
0.02	0.28
0.04	0.34
0.05	0.39
0.07	0.45
0.09	0.51
0.11	0.56
0.17	0.56
0.24	0.56
0.31	0.56
0.38	0.56
0.44	0.56
0.51	0.56
1.39	0.21
2.26	0.13
3.14	0.09
4.01	0.07
4.89	0.06
5.76	0.05
6.08	0.04
6.41	0.04
6.73	0.04
7.06	0.03
7.38	0.03
7.70	0.03

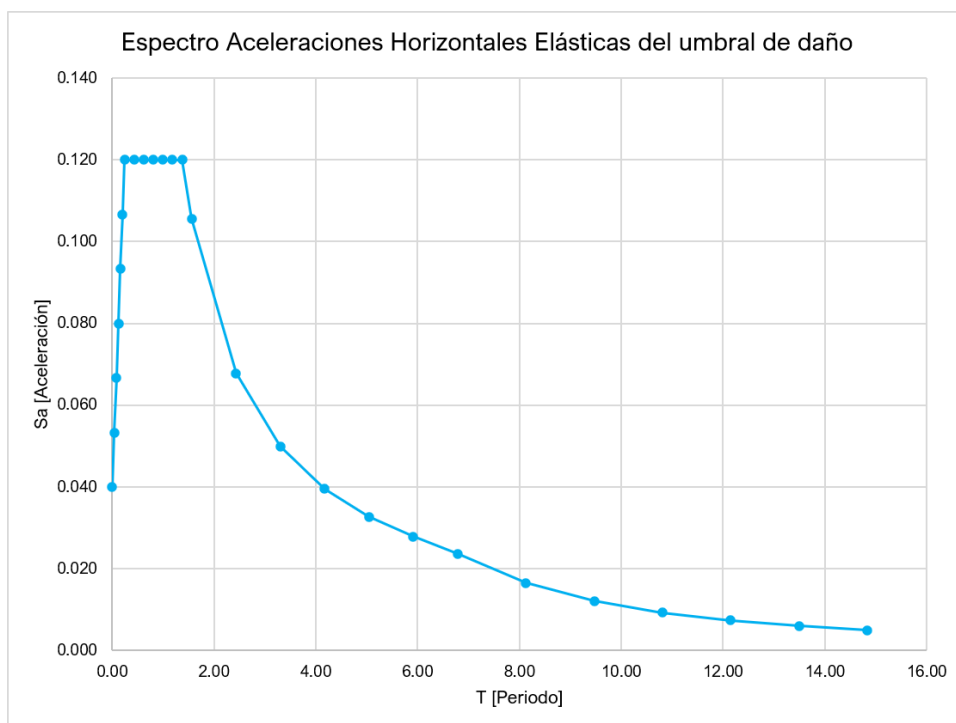


Espectro Elástico de Umbral de Daño

Adicionalmente por ser una edificación clasificada dentro del grupo de Uso III, se deberá cumplir con los requisitos establecidos en NSR-10 A.12 – REQUISITOS ESPECIALES PARA EDIFICACIONES INDISPENSABLES DE LOS GRUPOS DE USO III Y IV.

Por lo tanto también se tendrá en cuenta el espectro correspondiente al UMBRAL DE DAÑO

Espectro Aceleraciones	
T [s]	Sa [g]
0.00	0.040
0.04	0.053
0.08	0.067
0.13	0.080
0.17	0.093
0.21	0.107
0.25	0.120
0.44	0.120
0.63	0.120
0.81	0.120
1.00	0.120
1.19	0.120
1.38	0.120
1.56	0.106
2.43	0.068
3.30	0.050
4.18	0.040
5.05	0.033
5.92	0.028
6.79	0.024
8.13	0.016
9.47	0.012
10.81	0.009
12.15	0.007
13.49	0.006
14.83	0.005



Coefficiente de disipación de energía

El cálculo de los coeficientes de disipación de energía es fundamental para el diseño sísmico, ya que nos ayuda a entender cómo una estructura puede absorber y disipar la energía liberada durante un sismo. Esto es clave para proteger tanto a las personas como a la edificación misma, ya que, al disipar adecuadamente la energía, se reduce el riesgo de fallos o colapsos estructurales. La NSR-10 en el Título A.3.3.3 nos recuerda que las estructuras deben ser capaces de deformarse sin perder resistencia, lo que permite que soporten movimientos sísmicos sin daños catastróficos. Además, el Título A.4.4.1.1 destaca que estos coeficientes nos permiten reducir las fuerzas sísmicas que una edificación enfrenta, haciéndola más segura. En resumen, calcular correctamente estos coeficientes es esencial para que las estructuras no solo cumplan con los estándares normativos, sino que también protejan eficazmente la vida de quienes las habitan.

Chequeo de Irregularidad en planta

La Estructura se clasifica según la figura A.3-1 con una irregularidad Tipo 1bp – Irregularidad torsional extrema, tomando el coeficiente de reducción de la capacidad de disipación de energía en planta de 0.80.

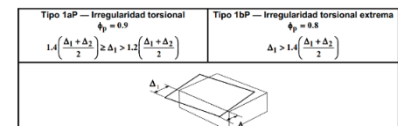


TABLE: Diaphragm Max Over Avg Drifts												
Story	Output Case	Case Type	Step Type	Item	Max Drift	Avg Drift	Ratio	$(\Delta 1 + \Delta 2) / 2$	$\text{Max} / ((\Delta 1 + \Delta 2) / 2)$	Irregularidad torsional	Irregularidad torsional extrema	φp Tomado
Cubierta	Sx	LinRespSpec	Max	Diaph D1 X	0.008673	0.007622	1.138	0.00575	0.49	No	No	1
Cubierta	Sx	LinRespSpec	Max	Diaph D1 Y	0.002829	0.00202	1.4					
Cubierta	Sy	LinRespSpec	Max	Diaph D1 X	0.003941	0.00256	1.54	0.00753	1.48	Si	Si	0.8
Cubierta	Sy	LinRespSpec	Max	Diaph D1 Y	0.011115	0.008145	1.365					
Entrepiso 1	Sx	LinRespSpec	Max	Diaph D1 X	0.006142	0.005591	1.098	0.00393	0.44	No	No	1
Entrepiso 1	Sx	LinRespSpec	Max	Diaph D1 Y	0.001723	0.00129	1.336					
Entrepiso 1	Sy	LinRespSpec	Max	Diaph D1 X	0.002411	0.001653	1.459	0.00483	1.50	Si	Si	0.8
Entrepiso 1	Sy	LinRespSpec	Max	Diaph D1 Y	0.007241	0.005675	1.276					

Chequeo de Irregularidad en altura

La estructura se clasifica como regular en altura según el Título A de la NSR-10 porque cumple con las condiciones que aseguran un comportamiento estructural uniforme y predecible a lo largo de su altura. En el Título A.2.4.2.1 se establece que una edificación es regular en altura cuando presenta continuidad en los elementos estructurales verticales, no existen cambios bruscos en la rigidez o en la distribución de masas entre los diferentes niveles, y cuando no se producen reducciones significativas en las dimensiones de las plantas o en la resistencia de los elementos a medida que se incrementa la altura. Esta regularidad permite que las fuerzas, como las sísmicas, se distribuyan de manera uniforme, mejorando la disipación de energía y reduciendo la probabilidad de concentraciones de esfuerzo que puedan causar daños localizados o fallos estructurales.

Sistema Estructural:

Moderado	DMO	A.3.1.3.
Ro	5.00	Ver Tabla A.3-1 hasta Tabla A.3-4
φa	1.00	Tabla A.3-7
φp	0.80	Tabla A.3-6
φr	1.00	A.3.3.8.

R 4.00

7. Combinaciones De Carga Según NSR 10

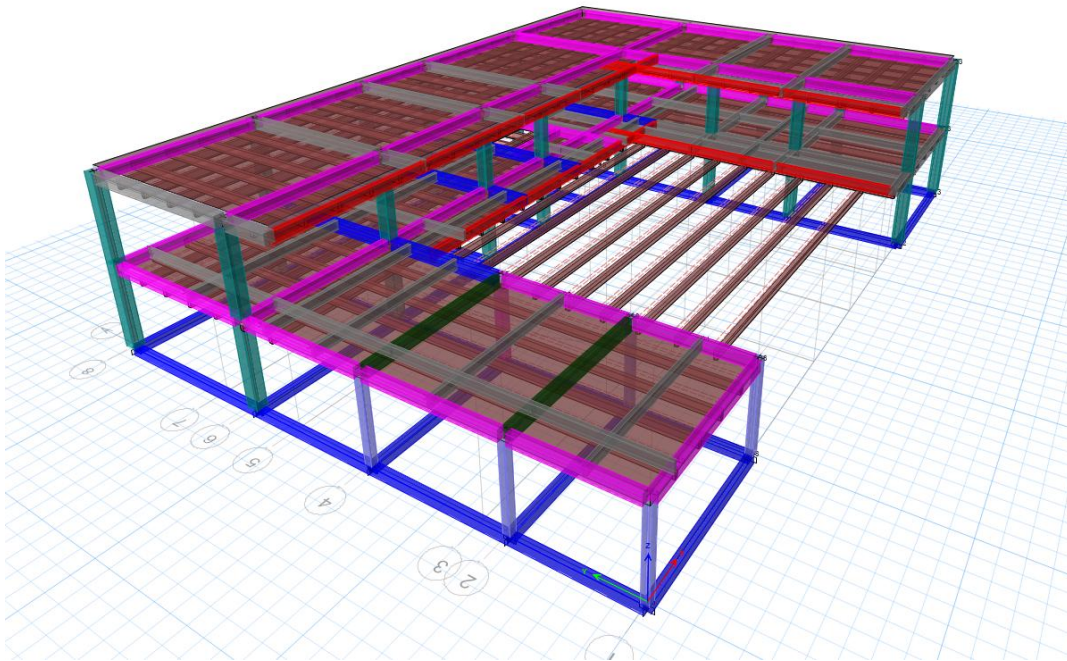
Las combinaciones de carga con las cuales se obtiene la envolvente máxima de esfuerzos en los miembros estructurales, para este caso se tomaron las siguientes, como lo recomienda el Código NSR-10 en el Capítulo B.2. Para el diseño de la cimentación

Combinaciones de Carga para Diseño										
Combinación	Muerta	Viva	Sismo X	Sismo Y	Viento succión	Viento Compresión	Viva Cubierta	Tiera	Carga de agua en tanque	Empozamiento de agua
	D	L	Ex	Ey	W-	W+	Lr	He	F	Le
U1	1.40	-	-	-	-	-	-	-	1.40	-
U2	1.20	1.60	-	-	-	-	0.50	1.60	1.20	0.50
U3	1.20	1.00	-	-	0.50	-	1.60	-	-	1.60
U4	1.20	1.00	-	-	-	0.50	1.60	-	-	1.60
U5	1.20	1.00	-	-	1.60	-	0.50	-	-	0.50
U6	1.20	1.00	-	-	-	1.60	0.50	-	-	0.50
U7	1.20	1.00	0.2500	0.0750	-	-	-	-	-	-
U8	1.20	1.00	0.0750	0.2500	-	-	-	-	-	-
U9	1.20	1.00	0.2500	-	-	-	-	-	-	-
U10	1.20	1.00	-	0.2500	-	-	-	-	-	-
U11	0.90	-	-	-	1.00	-	-	0.90	-	-
U12	0.90	-	-	-	-	1.00	-	0.90	-	-
U13	0.90	-	0.2500	0.0750	-	-	-	1.60	-	-
U14	0.90	-	0.0750	0.2500	-	-	-	1.60	-	-
U15	0.90	-	0.2500	-	-	-	-	1.60	-	-
U16	0.90	-	-	0.2500	-	-	-	1.60	-	-
S1	1.00	-	-	-	-	-	-	-	1.00	-
S2	1.00	1.00	-	-	-	-	-	1.00	1.00	-
S3	1.00	-	-	-	-	-	1.00	1.00	1.00	1.00
S4	1.00	0.75	-	-	-	-	0.75	1.00	1.00	0.75
S5	1.00	-	-	-	-	1.00	-	1.00	1.00	-
S6	1.00	-	-	-	1.00	-	-	1.00	1.00	-
S7	1.00	-	0.1750	0.0525	-	-	-	1.00	1.00	-
S8	1.00	-	0.0525	0.1750	-	-	-	1.00	1.00	-
S9	1.00	-	0.1750	-	-	-	-	1.00	1.00	-
S10	1.00	-	-	0.1750	-	-	-	1.00	1.00	-
S11	1.00	0.75	-	-	-	0.75	0.75	1.00	1.00	0.75
S12	1.00	0.75	-	-	0.75	-	0.75	1.00	1.00	0.75
S13	1.00	0.75	0.1313	0.0394	-	-	0.75	1.00	1.00	0.75
S14	1.00	0.75	0.0394	0.1313	-	-	0.75	1.00	1.00	0.75
S15	1.00	0.75	0.1313	-	-	-	0.75	1.00	1.00	0.75
S16	1.00	0.75	-	0.1313	-	-	0.75	1.00	1.00	0.75
S17	0.06	-	-	-	1.00	-	-	1.00	-	-
S18	0.06	-	-	-	-	1.00	-	1.00	-	-
S19	0.06	-	0.1750	0.0525	-	-	-	1.00	-	-
S20	0.06	-	0.0525	0.1750	-	-	-	1.00	-	-
S21	0.06	-	0.1750	-	-	-	-	1.00	-	-
S22	0.06	-	-	0.1750	-	-	-	1.00	-	-
Comb 18	1.20	1.00	1.0000	-	-	-	-	-	-	-
Comb 19	1.20	1.00	-	1.0000	-	-	-	-	-	-
Comb 20	0.90	-	1.0000	-	-	-	-	-	-	-
Comb 21	0.90	-	-	1.0000	-	-	-	-	-	-

8. Modelo Matemático

El análisis y diseño estructural de la edificación se realizó utilizando el software ETABS. En este modelo en 3D, se emplearon elementos tipo frame para las vigas y columnas, y elementos tipo membrana para las losas de entrepiso y cubiertas. Las vigas y columnas, fundamentales en el sistema de resistencia sísmica, se modelaron con su capacidad completa para transmitir solicitaciones a cortante, flexión y torsión. Las cubiertas livianas, modeladas como membranas, solo transmitieron cargas impuestas sin aportar rigidez. La cimentación se modeló como un apoyo empotrado, reflejando el confinamiento generado por las vigas de amarre.

ETABS realiza el análisis estructural utilizando el método de los elementos finitos, descomponiendo la estructura en nodos y elementos. A través de este enfoque, calcula cómo las cargas aplicadas, tanto estáticas como dinámicas, afectan cada parte de la estructura. ETABS también permite modelar sistemas de resistencia sísmica mediante análisis dinámicos modales y de espectro de respuesta, asegurando que las solicitaciones sean distribuidas y disipadas correctamente en toda la estructura.



9. Chequeo De Derivas

Chequeo de derivas
MAXIMO 1%

Resumen Chequeo de Derivas A.6

Dirección	Revisión	Máx	Story
Deriva X	CUMPLE	0.71%	Cubierta
Deriva Y	CUMPLE	0.94%	Cubierta

TABLE: Story Drifts										
Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X	Y	Z	Revisión
							m	m	m	
Cubierta	Dx	Combination	Max	X	0.006749	23	34.85	0	8	cumple
Cubierta	Dx	Combination	Max	Y	0.00175	7	0	16.96	8	cumple
Cubierta	Dx	Combination	Min	X	0.007128	23	34.85	0	8	cumple
Cubierta	Dx	Combination	Min	Y	0.002775	7	0	16.96	8	cumple
Cubierta	Dy	Combination	Max	X	0.002963	23	34.85	0	8	cumple
Cubierta	Dy	Combination	Max	Y	0.00838	7	0	16.96	8	cumple
Cubierta	Dy	Combination	Min	X	0.003343	23	34.85	0	8	cumple
Cubierta	Dy	Combination	Min	Y	0.009405	7	0	16.96	8	cumple
Cubierta	Dx-1	Combination	Max	X	0.006796	23	34.85	0	8	cumple
Cubierta	Dx-1	Combination	Max	Y	0.001879	7	0	16.96	8	cumple
Cubierta	Dx-1	Combination	Min	X	0.007081	23	34.85	0	8	cumple
Cubierta	Dx-1	Combination	Min	Y	0.002647	7	0	16.96	8	cumple
Cubierta	Dy-1	Combination	Max	X	0.003011	23	34.85	0	8	cumple
Cubierta	Dy-1	Combination	Max	Y	0.008508	7	0	16.96	8	cumple
Cubierta	Dy-1	Combination	Min	X	0.003296	23	34.85	0	8	cumple
Cubierta	Dy-1	Combination	Min	Y	0.009276	7	0	16.96	8	cumple
Entrepiso 1	Dx	Combination	Max	X	0.004807	38	7.5	0	4	cumple
Entrepiso 1	Dx	Combination	Max	Y	0.001233	11	0	0	4	cumple
Entrepiso 1	Dx	Combination	Min	X	0.00502	38	7.5	0	4	cumple
Entrepiso 1	Dx	Combination	Min	Y	0.001524	11	0	0	4	cumple
Entrepiso 1	Dy	Combination	Max	X	0.001823	38	7.5	0	4	cumple
Entrepiso 1	Dy	Combination	Max	Y	0.005648	11	0	0	4	cumple
Entrepiso 1	Dy	Combination	Min	X	0.002035	38	7.5	0	4	cumple
Entrepiso 1	Dy	Combination	Min	Y	0.005939	11	0	0	4	cumple
Entrepiso 1	Dx-1	Combination	Max	X	0.004834	38	7.5	0	4	cumple
Entrepiso 1	Dx-1	Combination	Max	Y	0.001269	11	0	0	4	cumple
Entrepiso 1	Dx-1	Combination	Min	X	0.004993	38	7.5	0	4	cumple
Entrepiso 1	Dx-1	Combination	Min	Y	0.001488	11	0	0	4	cumple
Entrepiso 1	Dy-1	Combination	Max	X	0.001849	38	7.5	0	4	cumple
Entrepiso 1	Dy-1	Combination	Max	Y	0.005684	11	0	0	4	cumple
Entrepiso 1	Dy-1	Combination	Min	X	0.002009	38	7.5	0	4	cumple
Entrepiso 1	Dy-1	Combination	Min	Y	0.005903	11	0	0	4	cumple

Chequeo de umbral de daño
MAXIMO 0.4%

Resumen Chequeo de Derivas A.6

Dirección	Revisión	Máx	Story
Deriva X	CUMPLE	0.17%	Cubierta
Deriva Y	CUMPLE	0.24%	Cubierta

TABLE: Story Drifts										
Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X	Y	Z	Revisión
							m	m	m	
Cubierta	Dx-Um	Combination	Max	X	0.00129	23	34.85	0	8	cumple
Cubierta	Dx-Um	Combination	Min	X	0.001669	23	34.85	0	8	cumple
Cubierta	Dx-Um	Combination	Min	Y	0.000995	7	0	16.96	8	cumple
Cubierta	Dx-1 -Um	Combination	Max	X	0.001337	23	34.85	0	8	cumple
Cubierta	Dx-1 -Um	Combination	Min	X	0.001622	23	34.85	0	8	cumple
Cubierta	Dx-1 -Um	Combination	Min	Y	0.000867	7	0	16.96	8	cumple
Cubierta	Dy-Um	Combination	Max	X	0.000482	23	34.85	0	8	cumple
Cubierta	Dy-Um	Combination	Max	Y	0.001385	7	0	16.96	8	cumple
Cubierta	Dy-Um	Combination	Min	X	0.000861	23	34.85	0	8	cumple
Cubierta	Dy-Um	Combination	Min	Y	0.00241	7	0	16.96	8	cumple
Cubierta	Dy-1-Um	Combination	Max	X	0.000529	23	34.85	0	8	cumple
Cubierta	Dy-1-Um	Combination	Max	Y	0.001513	7	0	16.96	8	cumple
Cubierta	Dy-1-Um	Combination	Min	X	0.000814	23	34.85	0	8	cumple
Cubierta	Dy-1-Um	Combination	Min	Y	0.002282	7	0	16.96	8	cumple
Entrepiso 1	Dx-Um	Combination	Max	X	0.000941	38	7.5	0	4	cumple
Entrepiso 1	Dx-Um	Combination	Min	X	0.001154	38	7.5	0	4	cumple
Entrepiso 1	Dx-Um	Combination	Min	Y	0.000439	11	0	0	4	cumple
Entrepiso 1	Dx-1 -Um	Combination	Max	X	0.000968	38	7.5	0	4	cumple
Entrepiso 1	Dx-1 -Um	Combination	Max	Y	0.000185	11	0	0	4	cumple
Entrepiso 1	Dx-1 -Um	Combination	Min	X	0.001128	38	7.5	0	4	cumple
Entrepiso 1	Dx-1 -Um	Combination	Min	Y	0.000403	11	0	0	4	cumple
Entrepiso 1	Dy-Um	Combination	Max	X	0.000304	38	7.5	0	4	cumple
Entrepiso 1	Dy-Um	Combination	Max	Y	0.001091	11	0	0	4	cumple
Entrepiso 1	Dy-Um	Combination	Min	X	0.000517	38	7.5	0	4	cumple
Entrepiso 1	Dy-Um	Combination	Min	Y	0.001382	11	0	0	4	cumple
Entrepiso 1	Dy-1-Um	Combination	Max	X	0.000331	38	7.5	0	4	cumple
Entrepiso 1	Dy-1-Um	Combination	Max	Y	0.001127	11	0	0	4	cumple
Entrepiso 1	Dy-1-Um	Combination	Min	X	0.000491	38	7.5	0	4	cumple
Entrepiso 1	Dy-1-Um	Combination	Min	Y	0.001346	11	0	0	4	cumple

10. Chequeo deflexiones

TABLE: Joint Displacements

L

8

TABLE: Joint Displacements											L/360	L/180	L/480	L/240
Story	Label	Unique Name	Output Case	Case Type	Ux	Uy	Uz	Rx	Ry	Rz	0.022	0.0444	0.016	0.033
					m	m	m	rad	rad	rad	22222	44444	66667	33333
Cubierta	1	S1	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1508	2194	195	0929	0135	0021	le	e	le	le
Cubierta	1	S2	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1508	2194	195	0929	0135	0021	le	e	le	le
Cubierta	1	S3	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1508	2194	195	0929	0135	0021	le	e	le	le
Cubierta	1	S4	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1508	2194	195	0929	0135	0021	le	e	le	le
Cubierta	1	S5	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1508	2194	195	0929	0135	0021	le	e	le	le
Cubierta	1	S6	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1508	2194	195	0929	0135	0021	le	e	le	le
Cubierta	1	S7	Combination	Max	0.00	0.01	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					471	4099	154	2872	057	0385	le	e	le	le
Cubierta	1	S7	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					7727	8487	237	1014	084	0343	le	e	le	le
Cubierta	1	S8	Combination	Max	0.00	0.01	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					471	4099	154	2872	057	0385	le	e	le	le
Cubierta	1	S8	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					7727	8487	237	1014	084	0343	le	e	le	le
Cubierta	1	S9	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					8096	1538	166	1398	0912	018	le	e	le	le
Cubierta	1	S9	Combination	Min	0.01	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1113	5926	224	046	1182	0138	le	e	le	le
Cubierta	1	S10	Combination	Max	0.00	0.01	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1829	2979	162	2732	0256	0337	le	e	le	le
Cubierta	1	S10	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					4846	7367	228	0874	0526	0295	le	e	le	le
Cubierta	1	S11	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cump	Cumpl	Cump	Cump
					1508	2194	195	0929	0135	0021	le	e	le	le

Cubierta	1	S12	Combination	0.00 1508	0.00 2194	0.000 195	0.00 0929	0.00 0135	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S13	Combination Max	0.00 6449	0.00 4023	0.000 166	0.00 1687	0.00 0739	0.00 0211	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S13	Combination Min	0.00 9466	0.00 8411	0.000 224	0.00 0171	0.00 1009	0.00 0169	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S14	Combination Max	0.00 3158	0.01 003	0.000 164	0.00 2387	0.00 0394	0.00 0294	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S14	Combination Min	0.00 6175	0.01 4418	0.000 226	0.00 0529	0.00 0664	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S15	Combination Max	0.00 5697	0.00 0606	0.000 173	0.00 1281	0.00 0651	0.00 014	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S15	Combination Min	0.00 8714	0.00 4994	0.000 217	0.00 0577	0.00 0921	0.00 0098	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S16	Combination Max	0.00 0996	0.00 919	0.000 171	0.00 2282	0.00 0158	0.00 0258	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S16	Combination Min	0.00 4013	0.01 3578	0.000 22	0.00 0423	0.00 0428	0.00 0216	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S17	Combination	0.00 0091	0.00 0132	0.000 012	0.00 0056	0.00 0008	0.00 0001	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S18	Combination	0.00 0091	0.00 0132	0.000 012	0.00 0056	0.00 0008	0.00 0001	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S19	Combination Max	0.01 0515	0.00 8151	0.000 027	0.00 1065	0.00 1156	0.00 0255	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S19	Combination Min	0.01 0696	0.00 8415	0.000 051	0.00 0954	0.00 1173	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S20	Combination Max	0.00 6128	0.01 6161	0.000 03	0.00 1999	0.00 0697	0.00 0365	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S20	Combination Min	0.00 6309	0.01 6424	0.000 053	0.00 1888	0.00 0713	0.00 0363	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S21	Combination Max	0.00 9514	0.00 3601	0.000 017	0.00 0525	0.00 1039	0.00 016	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S21	Combination Min	0.00 9695	0.00 3864	0.000 041	0.00 0413	0.00 1055	0.00 0158	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S22	Combination Max	0.00 3247	0.01 5042	0.000 021	0.00 1858	0.00 0383	0.00 0318	Cump le	Cumpl e	Cump le	Cump le
Cubierta	1	S22	Combination Min	0.00 3428	0.01 5305	0.000 045	0.00 1747	0.00 0399	0.00 0315	Cump le	Cumpl e	Cump le	Cump le

				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S1	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S2	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S3	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S4	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S5	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S6	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S7	Combi nation	0.00 471	0.01 1925	0.000 277	0.00 2907	0.00 0348	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S7	Combi nation	0.00 7727	0.01 5998	0.000 348	0.00 0388	0.00 076	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S8	Combi nation	0.00 471	0.01 1925	0.000 277	0.00 2907	0.00 0348	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S8	Combi nation	0.00 7727	0.01 5998	0.000 348	0.00 0388	0.00 076	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S9	Combi nation	0.00 8096	0.00 0679	0.000 304	0.00 1599	0.00 0619	0.00 018	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S9	Combi nation	0.01 1113	0.00 4752	0.000 321	0.00 0921	0.00 1031	0.00 0138	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S10	Combi nation	0.00 1829	0.01 1111	0.000 279	0.00 2806	0.00 01	0.00 0337	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S10	Combi nation	0.00 4846	0.01 5183	0.000 346	0.00 0286	0.00 0512	0.00 0295	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S11	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S12	Combination	0.00 1508	0.00 2036	0.000 312	0.00 126	0.00 0206	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S13	Combi nation	0.00 6449	0.00 2961	0.000 299	0.00 1862	0.00 0482	0.00 0211	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	2	S13	Combi nation	0.00 9466	0.00 7034	0.000 326	0.00 0657	0.00 0894	0.00 0169	Cump le	Cumpl e	Cump le	Cump le

Cubierta	2	S14	Combination	Max	0.00 3158	0.00 8438	0.000 286	0.00 2496	0.00 021	0.00 0294	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S14	Combination	Min	0.00 6175	0.01 2511	0.000 339	0.00 0023	0.00 0622	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S15	Combination	Max	0.00 5697	0.00 0001	0.000 306	0.00 1514	0.00 0413	0.00 014	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S15	Combination	Min	0.00 8714	0.00 4074	0.000 319	0.00 1005	0.00 0825	0.00 0098	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S16	Combination	Max	0.00 0996	0.00 7827	0.000 288	0.00 2419	0.00 0024	0.00 0258	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S16	Combination	Min	0.00 4013	0.01 19	0.000 337	0.00 01	0.00 0436	0.00 0216	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S17	Combination		0.00 0091	0.00 0122	0.000 019	0.00 0076	0.00 0012	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S18	Combination		0.00 0091	0.00 0122	0.000 019	0.00 0076	0.00 0012	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S19	Combination	Max	0.01 0515	0.00 6536	2.115 E-07	0.00 0878	0.00 0905	0.00 0255	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S19	Combination	Min	0.01 0696	0.00 678	0.000 037	0.00 0727	0.00 093	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S20	Combination	Max	0.00 6128	0.01 3839	0.000 017	0.00 1723	0.00 0541	0.00 0365	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S20	Combination	Min	0.00 6309	0.01 4084	0.000 054	0.00 1572	0.00 0566	0.00 0363	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S21	Combination	Max	0.00 9514	0.00 2593	0.000 01	0.00 0415	0.00 0813	0.00 016	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S21	Combination	Min	0.00 9695	0.00 2838	0.000 027	0.00 0263	0.00 0838	0.00 0158	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S22	Combination	Max	0.00 3247	0.01 3025	0.000 014	0.00 1622	0.00 0294	0.00 0318	Cumple	Cumple	Cumple	Cumple
Cubierta	2	S22	Combination	Min	0.00 3428	0.01 3269	0.000 052	0.00 147	0.00 0319	0.00 0315	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S1	Combination		0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S2	Combination		0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S3	Combination		0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cumple	Cumple	Cumple	Cumple

				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S4	Combination	0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S5	Combination	0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S6	Combination	0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S7	Combi nation Max	0.00 471	0.01 0172	0.000 231	0.00 2509	0.00 0318	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S7	Combi nation Min	0.00 7727	0.01 3968	0.000 294	0.00 0309	0.00 0703	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S8	Combi nation Max	0.00 471	0.01 0172	0.000 231	0.00 2509	0.00 0318	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S8	Combi nation Min	0.00 7727	0.01 3968	0.000 294	0.00 0309	0.00 0703	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S9	Combi nation Max	0.00 8096	0.00 0089	0.000 238	0.00 1343	0.00 0568	0.00 018	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S9	Combi nation Min	0.01 1113	0.00 3885	0.000 287	0.00 0856	0.00 0953	0.00 0138	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S10	Combi nation Max	0.00 1829	0.00 9576	0.000 239	0.00 2436	0.00 009	0.00 0337	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S10	Combi nation Min	0.00 4846	0.01 3372	0.000 287	0.00 0236	0.00 0475	0.00 0295	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S11	Combination	0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S12	Combination	0.00 1508	0.00 1898	0.000 263	0.00 11	0.00 0192	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S13	Combi nation Max	0.00 6449	0.00 2177	0.000 239	0.00 1583	0.00 0442	0.00 0211	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S13	Combi nation Min	0.00 9466	0.00 5972	0.000 286	0.00 0616	0.00 0827	0.00 0169	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S14	Combi nation Max	0.00 3158	0.00 7158	0.000 239	0.00 2157	0.00 019	0.00 0294	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S14	Combi nation Min	0.00 6175	0.01 0954	0.000 286	0.00 0042	0.00 0575	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S15	Combi nation Max	0.00 5697	0.00 0407	0.000 244	0.00 1282	0.00 0378	0.00 014	Cump le	Cumpl e	Cump le	Cump le

				-	-	-	-	-	-	-	-	-	-
Cubierta	3	S15	Combination Min	0.00 8714	0.00 3388	0.000 281	0.00 0917	0.00 0763	0.00 0098	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S16	Combination Max	0.00 0996	0.00 6711	0.000 245	0.00 2102	0.00 0019	0.00 0258	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S16	Combination Min	0.00 4013	0.01 0506	0.000 281	0.00 0097	0.00 0404	0.00 0216	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S17	Combination	0.00 0091	0.00 0114	0.000 016	0.00 0066	0.00 0012	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S18	Combination	0.00 0091	0.00 0114	0.000 016	0.00 0066	0.00 0012	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S19	Combination Max	0.01 0515	0.00 5314	0.000 016	0.00 071	0.00 0834	0.00 0255	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S19	Combination Min	0.01 0696	0.00 5542	0.000 047	0.00 0578	0.00 0857	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S20	Combination Max	0.00 6128	0.01 1956	0.000 016	0.00 1475	0.00 0499	0.00 0365	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S20	Combination Min	0.00 6309	0.01 2184	0.000 047	0.00 1343	0.00 0522	0.00 0363	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S21	Combination Max	0.00 9514	0.00 1873	0.000 009	0.00 0309	0.00 0749	0.00 016	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S21	Combination Min	0.00 9695	0.00 2101	0.000 04	0.00 0177	0.00 0772	0.00 0158	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S22	Combination Max	0.00 3247	0.01 136	0.000 008	0.00 1402	0.00 027	0.00 0318	Cumple	Cumple	Cumple	Cumple
Cubierta	3	S22	Combination Min	0.00 3428	0.01 1588	0.000 04	0.00 127	0.00 0294	0.00 0315	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S1	Combination	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S2	Combination	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S3	Combination	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S4	Combination	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S5	Combination	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S6	Combination	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple

Cubierta	4	S7	Combination	Max	0.00 471	0.00 9082	0.000 213	0.00 2523	0.00 0369	0.00 0385	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S7	Combination	Min	0.00 7727	0.01 268	0.000 304	0.00 0001	0.00 0692	0.00 0343	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S8	Combination	Max	0.00 471	0.00 9082	0.000 213	0.00 2523	0.00 0369	0.00 0385	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S8	Combination	Min	0.00 7727	0.01 268	0.000 304	0.00 0001	0.00 0692	0.00 0343	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S9	Combination	Max	0.00 8096	0.00 0112	0.000 225	0.00 1462	0.00 0632	0.00 018	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S9	Combination	Min	0.01 1113	0.00 3487	0.000 292	0.00 1062	0.00 0955	0.00 0138	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S10	Combination	Max	0.00 1829	0.00 8576	0.000 223	0.00 2463	0.00 0131	0.00 0337	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S10	Combination	Min	0.00 4846	0.01 2174	0.000 294	0.00 0061	0.00 0454	0.00 0295	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S11	Combination	Max	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S12	Combination	Min	0.00 1508	0.00 1799	0.000 258	0.00 1262	0.00 0162	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S13	Combination	Max	0.00 6449	0.00 1803	0.000 225	0.00 1682	0.00 05	0.00 0211	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S13	Combination	Min	0.00 9466	0.00 5401	0.000 292	0.00 0841	0.00 0823	0.00 0169	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S14	Combination	Max	0.00 3158	0.00 6365	0.000 224	0.00 2208	0.00 0236	0.00 0294	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S14	Combination	Min	0.00 6175	0.00 9963	0.000 293	0.00 0316	0.00 0559	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S15	Combination	Max	0.00 5697	0.00 0533	0.000 233	0.00 1412	0.00 0434	0.00 014	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S15	Combination	Min	0.00 8714	0.00 3065	0.000 283	0.00 1112	0.00 0757	0.00 0098	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S16	Combination	Max	0.00 0996	0.00 5985	0.000 232	0.00 2163	0.00 0058	0.00 0258	Cumple	Cumple	Cumple	Cumple
Cubierta	4	S16	Combination	Min	0.00 4013	0.00 9583	0.000 285	0.00 0361	0.00 0381	0.00 0216	Cumple	Cumple	Cumple	Cumple

				-	-	-	-	-	-	-	-	-	-
Cubierta	4	S17	Combination	0.00 0091	0.00 0108	0.000 016	0.00 0076	0.00 001	0.00 0001	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	4	S18	Combination	0.00 0091	0.00 0108	0.000 016	0.00 0076	0.00 001	0.00 0001	Cump le	Cumpl e	Cump le	Cump le
Cubierta	4	S19	Combi nation Max	0.01 0515	0.00 4691	0.000 029	0.00 0636	0.00 0871	0.00 0255	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	4	S19	Combi nation Min	0.01 0696	0.00 4907	0.000 06	0.00 0484	0.00 0891	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
Cubierta	4	S20	Combi nation Max	0.00 6128	0.01 0773	0.000 03	0.00 1337	0.00 0521	0.00 0365	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	4	S20	Combi nation Min	0.00 6309	0.01 0989	0.000 061	0.00 1185	0.00 054	0.00 0363	Cump le	Cumpl e	Cump le	Cump le
Cubierta	4	S21	Combi nation Max	0.00 9514	0.00 158	0.000 018	0.00 0275	0.00 0784	0.00 016	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	4	S21	Combi nation Min	0.00 9695	0.00 1795	0.000 049	0.00 0124	0.00 0803	0.00 0158	Cump le	Cumpl e	Cump le	Cump le
Cubierta	4	S22	Combi nation Max	0.00 3247	0.01 0267	0.000 02	0.00 1277	0.00 0283	0.00 0318	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	4	S22	Combi nation Min	0.00 3428	0.01 0483	0.000 051	0.00 1125	0.00 0302	0.00 0315	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S1	Combination	0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S2	Combination	0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S3	Combination	0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S4	Combination	0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S5	Combination	0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S6	Combination	0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S7	Combi nation Max	0.00 471	0.00 7678	0.000 325	0.00 2422	0.00 0441	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S7	Combi nation Min	0.00 7727	0.01 0932	0.000 367	0.00 031	0.00 0725	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	5	S8	Combi nation Max	0.00 471	0.00 7678	0.000 325	0.00 2422	0.00 0441	0.00 0385	Cump le	Cumpl e	Cump le	Cump le

					-	-	-	-	-	-				
Cubierta	5	S8	Combination	Min	0.00 7727	0.01 0932	0.000 367	0.00 031	0.00 0725	0.00 0343	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S9	Combination	Max	0.00 8096	0.00 0269	0.000 342	0.00 1586	0.00 0724	0.00 018	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S9	Combination	Min	0.01 1113	0.00 3523	0.000 349	0.00 1146	0.00 1007	0.00 0138	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S10	Combination	Max	0.00 1829	0.00 711	0.000 326	0.00 2356	0.00 0182	0.00 0337	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S10	Combination	Min	0.00 4846	0.01 0363	0.000 366	0.00 0376	0.00 0465	0.00 0295	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S11	Combination		0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S12	Combination		0.00 1508	0.00 1627	0.000 346	0.00 1366	0.00 0142	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S13	Combination	Max	0.00 6449	0.00 1763	0.000 338	0.00 1754	0.00 0581	0.00 0211	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S13	Combination	Min	0.00 9466	0.00 5016	0.000 353	0.00 0978	0.00 0864	0.00 0169	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S14	Combination	Max	0.00 3158	0.00 5355	0.000 33	0.00 2158	0.00 0296	0.00 0294	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S14	Combination	Min	0.00 6175	0.00 8608	0.000 361	0.00 0574	0.00 0579	0.00 0252	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S15	Combination	Max	0.00 5697	0.00 0204	0.000 343	0.00 1531	0.00 0508	0.00 014	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S15	Combination	Min	0.00 8714	0.00 3049	0.000 348	0.00 1201	0.00 0791	0.00 0098	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S16	Combination	Max	0.00 0996	0.00 4928	0.000 331	0.00 2109	0.00 0101	0.00 0258	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S16	Combination	Min	0.00 4013	0.00 8181	0.000 361	0.00 0623	0.00 0384	0.00 0216	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S17	Combination		0.00 0091	0.00 0098	0.000 021	0.00 0082	0.00 0008	0.00 0001	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S18	Combination		0.00 0091	0.00 0098	0.000 021	0.00 0082	0.00 0008	0.00 0001	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	5	S19	Combination	Max	0.01 0515	0.00 4418	0.000 011	0.00 0599	0.00 0954	0.00 0255	Cumple	Cumple	Cumple	Cumple

					-	-	-	-	-	-				
Cubierta	5	S19	Combi nation	Min	0.01 0696	0.00 4614	0.000 03	0.00 0435	0.00 0971	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
Cubierta	5	S20	Combi nation	Max	0.00 6128	0.00 9208	2.478 E-07	0.00 1138	0.00 0575	0.00 0365	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	5	S20	Combi nation	Min	0.00 6309	0.00 9403	0.000 042	0.00 0974	0.00 0591	0.00 0363	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	5	S21	Combi nation	Max	0.00 9514	0.00 1798	0.000 017	0.00 0302	0.00 0857	0.00 016	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	5	S21	Combi nation	Min	0.00 9695	0.00 1993	0.000 024	0.00 0138	0.00 0874	0.00 0158	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	5	S22	Combi nation	Max	0.00 3247	0.00 8639	0.000 001	0.00 1072	0.00 0315	0.00 0318	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	5	S22	Combi nation	Min	0.00 3428	0.00 8834	0.000 041	0.00 0908	0.00 0332	0.00 0315	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S1	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S2	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S3	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S4	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S5	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S6	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S7	Combi nation	Max	0.00 471	0.00 7037	0.000 166	0.00 1739	0.00 0348	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S7	Combi nation	Min	0.00 7727	0.00 9961	0.000 225	0.00 0109	0.00 1071	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S8	Combi nation	Max	0.00 471	0.00 7037	0.000 166	0.00 1739	0.00 0348	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S8	Combi nation	Min	0.00 7727	0.00 9961	0.000 225	0.00 0109	0.00 1071	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
					-	-	-	-	-	-				
Cubierta	6	S9	Combi nation	Max	0.00 8096	0.00 1274	0.000 169	0.00 1138	0.00 0693	0.00 018	Cump le	Cumpl e	Cump le	Cump le

				-	-	-	-	-	-	-	-	-	-
Cubierta	6	S9	Combination	Min	0.01 1113	0.00 4198	0.000 223	0.00 0492	0.00 1416	0.00 0138	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S10	Combination	Max	0.00 1829	0.00 6217	0.000 174	0.00 1642	0.00 0031	0.00 0337	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S10	Combination	Min	0.00 4846	0.00 914	0.000 217	0.00 0012	0.00 0754	0.00 0295	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S11	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S12	Combination		0.00 1508	0.00 1462	0.000 196	0.00 0815	0.00 0362	0.00 0021	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S13	Combination	Max	0.00 6449	0.00 232	0.000 171	0.00 1244	0.00 0518	0.00 0211	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S13	Combination	Min	0.00 9466	0.00 5243	0.000 221	0.00 0387	0.00 1241	0.00 0169	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S14	Combination	Max	0.00 3158	0.00 4915	0.000 174	0.00 1508	0.00 0171	0.00 0294	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S14	Combination	Min	0.00 6175	0.00 7839	0.000 218	0.00 0122	0.00 0894	0.00 0252	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S15	Combination	Max	0.00 5697	0.00 0591	0.000 176	0.00 1058	0.00 043	0.00 014	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S15	Combination	Min	0.00 8714	0.00 3514	0.000 216	0.00 0573	0.00 1153	0.00 0098	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S16	Combination	Max	0.00 0996	0.00 4299	0.000 18	0.00 1436	0.00 0067	0.00 0258	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S16	Combination	Min	0.00 4013	0.00 7223	0.000 212	0.00 0195	0.00 0656	0.00 0216	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S17	Combination		0.00 0091	0.00 0088	0.000 012	0.00 0049	0.00 0022	0.00 0001	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S18	Combination		0.00 0091	0.00 0088	0.000 012	0.00 0049	0.00 0022	0.00 0001	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S19	Combination	Max	0.01 0515	0.00 4951	0.000 022	0.00 062	0.00 1151	0.00 0255	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S19	Combination	Min	0.01 0696	0.00 5126	0.000 045	0.00 0522	0.00 1194	0.00 0252	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S20	Combination	Max	0.00 6128	0.00 8411	0.000 018	0.00 0973	0.00 0687	0.00 0365	Cumple	Cumple	Cumple
					-	-	-	-	-	-	-	-	-
Cubierta	6	S20	Combination	Min	0.00 6309	0.00 8587	0.000 041	0.00 0875	0.00 0731	0.00 0363	Cumple	Cumple	Cumple

Cubierta	6	S21	Combination	Max	0.00 9514	0.00 2648	0.000 015	0.00 0372	0.00 1033	0.00 016	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	6	S21	Combination	Min	0.00 9695	0.00 2823	0.000 039	0.00 0274	0.00 1076	0.00 0158	Cumple	Cumple	Cumple	Cumple
Cubierta	6	S22	Combination	Max	0.00 3247	0.00 7591	0.000 01	0.00 0876	0.00 0371	0.00 0318	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	6	S22	Combination	Min	0.00 3428	0.00 7766	0.000 033	0.00 0778	0.00 0415	0.00 0315	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S1	Combination		0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S2	Combination		0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S3	Combination		0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S4	Combination		0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S5	Combination		0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S6	Combination		0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S7	Combination	Max	0.00 3459	0.01 4099	0.000 279	0.00 2301	0.00 0461	0.00 0385	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S7	Combination	Min	0.00 6146	0.01 8487	0.000 354	0.00 1823	0.00 057	0.00 0343	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S8	Combination	Max	0.00 3459	0.01 4099	0.000 279	0.00 2301	0.00 0461	0.00 0385	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S8	Combination	Min	0.00 6146	0.01 8487	0.000 354	0.00 1823	0.00 057	0.00 0343	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S9	Combination	Max	0.00 9012	0.00 1538	0.000 292	0.00 072	0.00 1048	0.00 018	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S9	Combination	Min	0.01 1699	0.00 5926	0.000 341	0.00 0242	0.00 1157	0.00 0138	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S10	Combination	Max	0.00 0353	0.01 2979	0.000 286	0.00 2157	0.00 0131	0.00 0337	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S10	Combination	Min	0.00 304	0.01 7367	0.000 346	0.00 1679	0.00 0239	0.00 0295	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	7	S11	Combination		0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cumple	Cumple	Cumple	Cumple

				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S12	Combination	0.00 1344	0.00 2194	0.000 316	0.00 0239	0.00 0054	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S13	Combination Max	0.00 6808	0.00 4023	0.000 291	0.00 1032	0.00 0815	0.00 0211	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S13	Combination Min	0.00 9495	0.00 8411	0.000 342	0.00 0554	0.00 0923	0.00 0169	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S14	Combination Max	0.00 2261	0.01 003	0.000 288	0.00 1786	0.00 0333	0.00 0294	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S14	Combination Min	0.00 4948	0.01 4418	0.000 345	0.00 1308	0.00 0441	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S15	Combination Max	0.00 6426	0.00 0606	0.000 298	0.00 06	0.00 0773	0.00 014	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S15	Combination Min	0.00 9113	0.00 4994	0.000 335	0.00 0122	0.00 0881	0.00 0098	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S16	Combination Max	0.00 0071	0.00 919	0.000 294	0.00 1678	0.00 0085	0.00 0258	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S16	Combination Min	0.00 2616	0.01 3578	0.000 339	0.00 12	0.00 0193	0.00 0216	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S17	Combination	0.00 0081	0.00 0132	0.000 019	0.00 0014	0.00 0003	0.00 0001	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S18	Combination	0.00 0081	0.00 0132	0.000 019	0.00 0014	0.00 0003	0.00 0001	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S19	Combination Max	0.01 0784	0.00 8151	0.000 015	0.00 1071	0.00 1155	0.00 0255	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S19	Combination Min	0.01 0945	0.00 8415	0.000 053	0.00 1042	0.00 1161	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S20	Combination Max	0.00 4722	0.01 6161	0.000 019	0.00 2077	0.00 0512	0.00 0365	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S20	Combination Min	0.00 4883	0.01 6424	0.000 056	0.00 2048	0.00 0519	0.00 0363	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S21	Combination Max	0.01 0275	0.00 3601	0.000 006	0.00 0496	0.00 1099	0.00 016	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S21	Combination Min	0.01 0436	0.00 3864	0.000 044	0.00 0467	0.00 1106	0.00 0158	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S22	Combination Max	0.00 1616	0.01 5042	0.000 011	0.00 1932	0.00 0182	0.00 0318	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	7	S22	Combination Min	0.00 1777	0.01 5305	0.000 049	0.00 1904	0.00 0188	0.00 0315	Cump le	Cumpl e	Cump le	Cump le

				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S1	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S2	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S3	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S4	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S5	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S6	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S7	Combi nation Max	0.00 3459	0.01 1925	0.000 485	0.00 1895	0.00 0223	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S7	Combi nation Min	0.00 6146	0.01 5998	0.000 538	0.00 1609	0.00 0593	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S8	Combi nation Max	0.00 3459	0.01 1925	0.000 485	0.00 1895	0.00 0223	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S8	Combi nation Min	0.00 6146	0.01 5998	0.000 538	0.00 1609	0.00 0593	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S9	Combi nation Max	0.00 9012	0.00 0679	0.000 506	0.00 0506	0.00 0686	0.00 018	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S9	Combi nation Min	0.01 1699	0.00 4752	0.000 516	0.00 022	0.00 1057	0.00 0138	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S10	Combi nation Max	0.00 0353	0.01 1111	0.000 486	0.00 1786	0.00 0039	0.00 0337	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S10	Combi nation Min	0.00 304	0.01 5183	0.000 536	0.00 15	0.00 0332	0.00 0295	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S11	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S12	Combination	0.00 1344	0.00 2036	0.000 511	0.00 0143	0.00 0185	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S13	Combi nation Max	0.00 6808	0.00 2961	0.000 502	0.00 0785	0.00 0501	0.00 0211	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	8	S13	Combi nation Min	0.00 9495	0.00 7034	0.000 521	0.00 0499	0.00 0872	0.00 0169	Cump le	Cumpl e	Cump le	Cump le

						-							
Cubierta	8	S14	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					2261	8438	491	1458	0121	0294			
					-	-	-	-	-	-			
Cubierta	8	S14	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					4948	2511	531	1172	0492	0252			
					-	-	-	-	-	-			
Cubierta	8	S15	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					6426	0001	507	0415	0468	014			
					-	-	-	-	-	-			
Cubierta	8	S15	Combination	Min	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					9113	4074	515	0129	0839	0098			
					-	-	-	-	-	-			
Cubierta	8	S16	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0071	7827	492	1376	0075	0258			
					-	-	-	-	-	-			
Cubierta	8	S16	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					2616	19	53	109	0295	0216			
					-	-	-	-	-	-			
Cubierta	8	S17	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0081	0122	031	0009	0011	0001			
					-	-	-	-	-	-			
Cubierta	8	S18	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0081	0122	031	0009	0011	0001			
					-	-	-	-	-	-			
Cubierta	8	S19	Combination	Max	0.01	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0784	6536	018	0864	0904	0255			
					-	-	-	-	-	-			
Cubierta	8	S19	Combination	Min	0.01	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0945	678	043	0847	0927	0252			
					-	-	-	-	-	-			
Cubierta	8	S20	Combination	Max	0.00	0.01	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					4722	3839	004	1761	0397	0365			
					-	-	-	-	-	-			
Cubierta	8	S20	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					4883	4084	057	1744	0419	0363			
					-	-	-	-	-	-			
Cubierta	8	S21	Combination	Max	0.01	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0275	2593	026	0371	086	016			
					-	-	-	-	-	-			
Cubierta	8	S21	Combination	Min	0.01	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0436	2838	036	0354	0883	0158			
					-	-	-	-	-	-			
Cubierta	8	S22	Combination	Max	0.00	0.01	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1616	3025	006	1652	0135	0318			
					-	-	-	-	-	-			
Cubierta	8	S22	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1777	3269	056	1635	0158	0315			
					-	-	-	-	-	-			
Cubierta	9	S1	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1344	1898	421	0075	0174	0021			
					-	-	-	-	-	-			
Cubierta	9	S2	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1344	1898	421	0075	0174	0021			

				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S3	Combination	0.00 1344	0.00 1898	0.000 421	0.00 0075	0.00 0174	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S4	Combination	0.00 1344	0.00 1898	0.000 421	0.00 0075	0.00 0174	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S5	Combination	0.00 1344	0.00 1898	0.000 421	0.00 0075	0.00 0174	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S6	Combination	0.00 1344	0.00 1898	0.000 421	0.00 0075	0.00 0174	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S7	Combi nation Max	0.00 3459	0.01 0172	0.000 382	0.00 1503	0.00 0203	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S7	Combi nation Min	0.00 6146	0.01 3968	0.000 459	0.00 1352	0.00 055	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S8	Combi nation Max	0.00 3459	0.01 0172	0.000 382	0.00 1503	0.00 0203	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S8	Combi nation Min	0.00 6146	0.01 3968	0.000 459	0.00 1352	0.00 055	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S9	Combi nation Max	0.00 9012	0.00 0089	0.000 396	0.00 0321	0.00 0633	0.00 018	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S9	Combi nation Min	0.01 1699	0.00 3885	0.000 445	0.00 017	0.00 098	0.00 0138	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S10	Combi nation Max	0.00 0353	0.00 9576	0.000 39	0.00 143	0.00 0039	0.00 0337	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S10	Combi nation Min	0.00 304	0.01 3372	0.000 451	0.00 1279	0.00 0308	0.00 0295	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S11	Combination	0.00 1344	0.00 1898	0.000 421	0.00 0075	0.00 0174	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S12	Combination	0.00 1344	0.00 1898	0.000 421	0.00 0075	0.00 0174	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S13	Combi nation Max	0.00 6808	0.00 2177	0.000 395	0.00 0565	0.00 0462	0.00 0211	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S13	Combi nation Min	0.00 9495	0.00 5972	0.000 446	0.00 0414	0.00 0809	0.00 0169	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S14	Combi nation Max	0.00 2261	0.00 7158	0.000 392	0.00 1147	0.00 0109	0.00 0294	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-	-	-	-	-
Cubierta	9	S14	Combi nation Min	0.00 4948	0.01 0954	0.000 449	0.00 0996	0.00 0456	0.00 0252	Cump le	Cumpl e	Cump le	Cump le

					-	-							
Cubierta	9	S15	Combination	Max	0.00 6426	0.00 0407	0.000 402	0.00 026	0.00 0431	0.00 014	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S15	Combination	Min	0.00 9113	0.00 3388	0.000 439	0.00 0109	0.00 0778	0.00 0098	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S16	Combination	Max	0.00 0071	0.00 6711	0.000 397	0.00 1091	0.00 0072	0.00 0258	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S16	Combination	Min	0.00 2616	0.01 0506	0.000 444	0.00 094	0.00 0275	0.00 0216	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S17	Combination		0.00 0081	0.00 0114	0.000 025	0.00 0005	0.00 001	0.00 0001	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S18	Combination		0.00 0081	0.00 0114	0.000 025	0.00 0005	0.00 001	0.00 0001	Cumple	Cumple	Cumple
Cubierta	9	S19	Combination	Max	0.01 0784	0.00 5314	0.000 008	0.00 0656	0.00 0836	0.00 0255	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S19	Combination	Min	0.01 0945	0.00 5542	0.000 059	0.00 0647	0.00 0857	0.00 0252	Cumple	Cumple	Cumple
Cubierta	9	S20	Combination	Max	0.00 4722	0.01 1956	0.000 013	0.00 1432	0.00 0366	0.00 0365	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S20	Combination	Min	0.00 4883	0.01 2184	0.000 063	0.00 1423	0.00 0387	0.00 0363	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S21	Combination	Max	0.01 0275	0.00 1873	0.000 001	0.00 025	0.00 0796	0.00 016	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S21	Combination	Min	0.01 0436	0.00 2101	0.000 05	0.00 0241	0.00 0817	0.00 0158	Cumple	Cumple	Cumple
Cubierta	9	S22	Combination	Max	0.00 1616	0.01 136	0.000 006	0.00 1359	0.00 0124	0.00 0318	Cumple	Cumple	Cumple
					-	-	-	-	-	-			
Cubierta	9	S22	Combination	Min	0.00 1777	0.01 1588	0.000 056	0.00 135	0.00 0145	0.00 0315	Cumple	Cumple	Cumple
					-	-	-	2.77	-	-			
Cubierta	10	S1	Combination		0.00 1344	0.00 1799	0.000 48	3E-07 0056	0.00 0021	0.00	Cumple	Cumple	Cumple
					-	-	-	2.77	-	-			
Cubierta	10	S2	Combination		0.00 1344	0.00 1799	0.000 48	3E-07 0056	0.00 0021	0.00	Cumple	Cumple	Cumple
					-	-	-	2.77	-	-			
Cubierta	10	S3	Combination		0.00 1344	0.00 1799	0.000 48	3E-07 0056	0.00 0021	0.00	Cumple	Cumple	Cumple
					-	-	-	2.77	-	-			
Cubierta	10	S4	Combination		0.00 1344	0.00 1799	0.000 48	3E-07 0056	0.00 0021	0.00	Cumple	Cumple	Cumple
					-	-	-	2.77	-	-			
Cubierta	10	S5	Combination		0.00 1344	0.00 1799	0.000 48	3E-07 0056	0.00 0021	0.00	Cumple	Cumple	Cumple

				-	-	-	2.77	-					
Cubierta	10	S6	Combination	0.00 1344	0.00 1799	0.000 48	3E- 07	0.00 0056	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S7	Combination Max	0.00 3459	0.00 9082	0.000 449	0.00 1212	0.00 0342	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S7	Combination Min	0.00 6146	0.01 268	0.000 51	0.00 1212	0.00 0455	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S8	Combination Max	0.00 3459	0.00 9082	0.000 449	0.00 1212	0.00 0342	0.00 0385	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S8	Combination Min	0.00 6146	0.01 268	0.000 51	0.00 1212	0.00 0455	0.00 0343	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S9	Combination Max	0.00 9012	0.00 0112	0.000 451	0.00 0197	0.00 0789	0.00 018	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S9	Combination Min	0.01 1699	0.00 3487	0.000 508	0.00 0196	0.00 0901	0.00 0138	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S10	Combination Max	0.00 0353	0.00 8576	0.000 458	0.00 1153	0.00 0089	0.00 0337	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S10	Combination Min	0.00 304	0.01 2174	0.000 502	0.00 1153	0.00 0201	0.00 0295	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	2.77	-	-				
Cubierta	10	S11	Combination	0.00 1344	0.00 1799	0.000 48	3E- 07	0.00 0056	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	2.77	-	-				
Cubierta	10	S12	Combination	0.00 1344	0.00 1799	0.000 48	3E- 07	0.00 0056	0.00 0021	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S13	Combination Max	0.00 6808	0.00 1803	0.000 453	0.00 0407	0.00 061	0.00 0211	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S13	Combination Min	0.00 9495	0.00 5401	0.000 506	0.00 0407	0.00 0723	0.00 0169	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S14	Combination Max	0.00 2261	0.00 6365	0.000 457	0.00 091	0.00 0243	0.00 0294	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S14	Combination Min	0.00 4948	0.00 9963	0.000 503	0.00 0909	0.00 0355	0.00 0252	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S15	Combination Max	0.00 6426	0.00 0533	0.000 458	0.00 0148	0.00 0578	0.00 014	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S15	Combination Min	0.00 9113	0.00 3065	0.000 501	0.00 0147	0.00 069	0.00 0098	Cump le	Cumpl e	Cump le	Cump le
				-	-	-	-	-	-				
Cubierta	10	S16	Combination Max	0.00 0071	0.00 5985	0.000 463	0.00 0865	0.00 0052	0.00 0258	Cump le	Cumpl e	Cump le	Cump le

					-	-	-	-	-	-				
Cubierta	10	S16	Combination	Min	0.00 2616	0.00 9583	0.000 496	0.00 0865	0.00 0165	0.00 0216	Cumple	Cumple	Cumple	Cumple
					-	-	-	1.66	-	-				
Cubierta	10	S17	Combination		0.00 0081	0.00 0108	0.000 029	4E- 08	0.00 0003	0.00 0001	Cumple	Cumple	Cumple	Cumple
					-	-	-	1.66	-	-				
Cubierta	10	S18	Combination		0.00 0081	0.00 0108	0.000 029	4E- 08	0.00 0003	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	10	S19	Combination	Max	0.01 0784	0.00 4691	0.000 006	0.00 0542	0.00 0885	0.00 0255	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	10	S19	Combination	Min	0.01 0945	0.00 4907	0.000 064	0.00 0542	0.00 0892	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	10	S20	Combination	Max	0.00 4722	0.01 0773	0.000 002	0.00 1212	0.00 0395	0.00 0365	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	10	S20	Combination	Min	0.00 4883	0.01 0989	0.000 059	0.00 1212	0.00 0402	0.00 0363	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	10	S21	Combination	Max	0.01 0275	0.00 158	2.067 E-07	0.00 0196	0.00 0842	0.00 016	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	10	S21	Combination	Min	0.01 0436	0.00 1795	0.000 057	0.00 0196	0.00 0849	0.00 0158	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	10	S22	Combination	Max	0.00 1616	0.01 0267	0.000 007	0.00 1153	0.00 0142	0.00 0318	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	10	S22	Combination	Min	0.00 1777	0.01 0483	0.000 051	0.00 1153	0.00 0148	0.00 0315	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S1	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S2	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S3	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S4	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S5	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S6	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S7	Combination	Max	0.00 3459	0.00 7678	0.000 582	0.00 0525	0.00 0095	0.00 0385	Cumple	Cumple	Cumple	Cumple
					-	-	-	-	-	-				
Cubierta	12	S7	Combination	Min	0.00 6146	0.01 0932	0.000 604	0.00 1053	0.00 0771	0.00 0343	Cumple	Cumple	Cumple	Cumple

Cubierta	12	S8	Combination	Max	0.00 3459	0.00 7678	0.000 582	0.00 0525	0.00 0095	0.00 0385	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S8	Combination	Min	0.00 6146	0.01 0932	0.000 604	0.00 1053	0.00 0771	0.00 0343	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S9	Combination	Max	0.00 9012	0.00 0269	0.000 59	0.00 0094	0.00 0592	0.00 018	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S9	Combination	Min	0.01 1699	0.00 3523	0.000 595	0.00 0434	0.00 1269	0.00 0138	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S10	Combination	Max	0.00 0353	0.00 711	0.000 582	0.00 0474	0.00 0184	0.00 0337	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S10	Combination	Min	0.00 304	0.01 0363	0.000 603	0.00 1002	0.00 0492	0.00 0295	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S11	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S12	Combination		0.00 1344	0.00 1627	0.000 593	0.00 0264	0.00 0338	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S13	Combination	Max	0.00 6808	0.00 1763	0.000 589	0.00 003	0.00 0395	0.00 0211	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S13	Combination	Min	0.00 9495	0.00 5016	0.000 597	0.00 0558	0.00 1071	0.00 0169	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S14	Combination	Max	0.00 2261	0.00 5355	0.000 584	0.00 0328	0.00 0013	0.00 0294	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S14	Combination	Min	0.00 4948	0.00 8608	0.000 601	0.00 0856	0.00 0663	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S15	Combination	Max	0.00 6426	0.00 0204	0.000 591	0.00 0136	0.00 036	0.00 014	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S15	Combination	Min	0.00 9113	0.00 3049	0.000 595	0.00 0391	0.00 1036	0.00 0098	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S16	Combination	Max	0.00 0071	0.00 4928	0.000 585	0.00 029	0.00 0223	0.00 0258	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S16	Combination	Min	0.00 2616	0.00 8181	0.000 601	0.00 0818	0.00 0454	0.00 0216	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S17	Combination		0.00 0081	0.00 0098	0.000 036	0.00 0016	0.00 002	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S18	Combination		0.00 0081	0.00 0098	0.000 036	0.00 0016	0.00 002	0.00 0001	Cumple	Cumple	Cumple	Cumple

Cubierta	12	S19	Combination	Max	0.01 0784	0.00 4418	0.000 03	0.00 0375	0.00 0956	0.00 0255	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S19	Combination	Min	0.01 0945	0.00 4614	0.000 041	0.00 0407	0.00 0997	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S20	Combination	Max	0.00 4722	0.00 9208	0.000 024	0.00 0773	0.00 0413	0.00 0365	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S20	Combination	Min	0.00 4883	0.00 9403	0.000 047	0.00 0805	0.00 0453	0.00 0363	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S21	Combination	Max	0.01 0275	0.00 1798	0.000 033	0.00 0154	0.00 091	0.00 016	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S21	Combination	Min	0.01 0436	0.00 1993	0.000 038	0.00 0186	0.00 0951	0.00 0158	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S22	Combination	Max	0.00 1616	0.00 8639	0.000 025	0.00 0722	0.00 0134	0.00 0318	Cumple	Cumple	Cumple	Cumple
Cubierta	12	S22	Combination	Min	0.00 1777	0.00 8834	0.000 046	0.00 0754	0.00 0174	0.00 0315	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S1	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S2	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S3	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S4	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S5	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S6	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S7	Combination	Max	0.00 3459	0.00 7037	0.000 299	0.00 0656	0.00 0226	0.00 0385	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S7	Combination	Min	0.00 6146	0.00 9961	0.000 334	0.00 077	0.00 0852	0.00 0343	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S8	Combination	Max	0.00 3459	0.00 7037	0.000 299	0.00 0656	0.00 0226	0.00 0385	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S8	Combination	Min	0.00 6146	0.00 9961	0.000 334	0.00 077	0.00 0852	0.00 0343	Cumple	Cumple	Cumple	Cumple

Cubierta	13	S9	Combination	Max	0.00 9012	0.00 1274	0.000 29	0.00 0191	0.00 0845	0.00 018	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S9	Combination	Min	0.01 1699	0.00 4198	0.000 343	0.00 0305	0.00 1471	0.00 0138	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S10	Combination	Max	0.00 0353	0.00 6217	0.000 307	0.00 0582	0.00 0121	0.00 0337	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S10	Combination	Min	0.00 304	0.00 914	0.000 326	0.00 0696	0.00 0505	0.00 0295	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S11	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S12	Combination		0.00 1344	0.00 1462	0.000 316	0.00 0057	0.00 0313	0.00 0021	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S13	Combination	Max	0.00 6808	0.00 232	0.000 295	0.00 0273	0.00 0599	0.00 0211	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S13	Combination	Min	0.00 9495	0.00 5243	0.000 338	0.00 0387	0.00 1225	0.00 0169	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S14	Combination	Max	0.00 2261	0.00 4915	0.000 303	0.00 0478	0.00 0092	0.00 0294	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S14	Combination	Min	0.00 4948	0.00 7839	0.000 33	0.00 0592	0.00 0718	0.00 0252	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S15	Combination	Max	0.00 6426	0.00 0591	0.000 297	0.00 0129	0.00 0556	0.00 014	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S15	Combination	Min	0.00 9113	0.00 3514	0.000 336	0.00 0243	0.00 1182	0.00 0098	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S16	Combination	Max	0.00 0071	0.00 4299	0.000 309	0.00 0422	0.00 0169	0.00 0258	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S16	Combination	Min	0.00 2616	0.00 7223	0.000 324	0.00 0536	0.00 0457	0.00 0216	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S17	Combination		0.00 0081	0.00 0088	0.000 019	0.00 0003	0.00 0019	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S18	Combination		0.00 0081	0.00 0088	0.000 019	0.00 0003	0.00 0019	0.00 0001	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S19	Combination	Max	0.01 0784	0.00 4951	0.000 01	0.00 0436	0.00 1197	0.00 0255	Cumple	Cumple	Cumple	Cumple
Cubierta	13	S19	Combination	Min	0.01 0945	0.00 5126	0.000 048	0.00 0443	0.00 1235	0.00 0252	Cumple	Cumple	Cumple	Cumple

						-							
Cubierta	13	S20	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					4722	8411	001	071	0521	0365			
					-	-	-	-	-	-			
Cubierta	13	S20	Combination	Min	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					4883	8587	037	0717	0558	0363			
					-	-	-	-	-	-			
Cubierta	13	S21	Combination	Max	0.01	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0275	2648	007	0244	1139	016			
					-	-	-	-	-	-			
Cubierta	13	S21	Combination	Min	0.01	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					0436	2823	045	0251	1177	0158			
					-	-	-	-	-	-			
Cubierta	13	S22	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1616	7591	009	0636	0173	0318			
					-	-	-	-	-	-			
Cubierta	13	S22	Combination	Min	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1777	7766	029	0642	0211	0315			
					-	-	-	-	-	-			
Cubierta	16	S1	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1217	1627	423	0061	0707	0021			
					-	-	-	-	-	-			
Cubierta	16	S2	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1217	1627	423	0061	0707	0021			
					-	-	-	-	-	-			
Cubierta	16	S3	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1217	1627	423	0061	0707	0021			
					-	-	-	-	-	-			
Cubierta	16	S4	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1217	1627	423	0061	0707	0021			
					-	-	-	-	-	-			
Cubierta	16	S5	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1217	1627	423	0061	0707	0021			
					-	-	-	-	-	-			
Cubierta	16	S6	Combination		0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					1217	1627	423	0061	0707	0021			
					-	-	-	-	-	-			
Cubierta	16	S7	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					4287	7678	407	0786	0107	0385			
					-	-	-	-	-	-			
Cubierta	16	S7	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00	Cumple	Cumple	Cumple
					6722	0932	439	0664	1307	0343			
					-	-	-	-	-	-			
Cubierta	16	S8	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00		Cumple	Cumple
					4287	7678	407	0786	0107	0385			
					-	-	-	-	-	-			
Cubierta	16	S8	Combination	Min	0.00	0.01	0.000	0.00	0.00	0.00		Cumple	Cumple
					6722	0932	439	0664	1307	0343			
					-	-	-	-	-	-			
Cubierta	16	S9	Combination	Max	0.00	0.00	0.000	0.00	0.00	0.00		Cumple	Cumple
					9773	0269	404	0218	0456	018			
					-	-	-	-	-	-			
Cubierta	16	S9	Combination	Min	0.01	0.00	0.000	0.00	0.00	0.00		Cumple	Cumple
					2208	3523	443	0095	1871	0138			

Cubierta	16	S10	Combination	Max	0.00 0991	0.00 711	0.000 413	0.00 0739	0.00 0456	0.00 0337	Cumple	Cumple	Cumple
Cubierta	16	S10	Combination	Min	0.00 3426	0.01 0363	0.000 433	0.00 0617	0.00 0958	0.00 0295	Cumple	Cumple	Cumple
Cubierta	16	S11	Combination		0.00 1217	0.00 1627	0.000 423	0.00 0061	0.00 0707	0.00 0021	Cumple	Cumple	Cumple
Cubierta	16	S12	Combination		0.00 1217	0.00 1627	0.000 423	0.00 0061	0.00 0707	0.00 0021	Cumple	Cumple	Cumple
Cubierta	16	S13	Combination	Max	0.00 7525	0.00 1763	0.000 406	0.00 0331	0.00 0222	0.00 0211	Cumple	Cumple	Cumple
Cubierta	16	S13	Combination	Min	0.00 996	0.00 5016	0.000 44	0.00 0209	0.00 1637	0.00 0169	Cumple	Cumple	Cumple
Cubierta	16	S14	Combination	Max	0.00 2914	0.00 5355	0.000 411	0.00 0605	0.00 0257	0.00 0294	Cumple	Cumple	Cumple
Cubierta	16	S14	Combination	Min	0.00 5349	0.00 8608	0.000 435	0.00 0483	0.00 1158	0.00 0252	Cumple	Cumple	Cumple
Cubierta	16	S15	Combination	Max	0.00 7028	0.00 0204	0.000 409	0.00 0179	0.00 0166	0.00 014	Cumple	Cumple	Cumple
Cubierta	16	S15	Combination	Min	0.00 9463	0.00 3049	0.000 438	0.00 0056	0.00 158	0.00 0098	Cumple	Cumple	Cumple
Cubierta	16	S16	Combination	Max	0.00 044	0.00 4928	0.000 415	0.00 057	0.00 0519	0.00 0258	Cumple	Cumple	Cumple
Cubierta	16	S16	Combination	Min	0.00 2875	0.00 8181	0.000 431	0.00 0447	0.00 0896	0.00 0216	Cumple	Cumple	Cumple
Cubierta	16	S17	Combination		0.00 0073	0.00 0098	0.000 025	0.00 0004	0.00 0042	0.00 0001	Cumple	Cumple	Cumple
Cubierta	16	S18	Combination		0.00 0073	0.00 0098	0.000 025	0.00 0004	0.00 0042	0.00 0001	Cumple	Cumple	Cumple
Cubierta	16	S19	Combination	Max	0.01 158	0.00 4418	0.000 003	0.00 0363	0.00 1196	0.00 0255	Cumple	Cumple	Cumple
Cubierta	16	S19	Combination	Min	0.01 1726	0.00 4614	0.000 048	0.00 0356	0.00 1281	0.00 0252	Cumple	Cumple	Cumple
Cubierta	16	S20	Combination	Max	0.00 5432	0.00 9208	0.000 009	0.00 0729	0.00 0558	0.00 0365	Cumple	Cumple	Cumple
Cubierta	16	S20	Combination	Min	0.00 5578	0.00 9403	0.000 042	0.00 0721	0.00 0642	0.00 0363	Cumple	Cumple	Cumple

Cubierta	16	S21	Combination	Max	0.010917	0.001798	0.000006	0.00016	0.001121	0.00016	Cumple	Cumple	Cumple
Cubierta	16	S21	Combination	Min	0.011064	0.001993	0.000045	0.000153	0.001206	0.000158	Cumple	Cumple	Cumple
Cubierta	16	S22	Combination	Max	0.002136	0.008639	0.000015	0.000682	0.000209	0.000318	Cumple	Cumple	Cumple
Cubierta	16	S22	Combination	Min	0.002282	0.008834	0.000036	0.000674	0.000293	0.000315	Cumple	Cumple	Cumple
Cubierta	17	S1	Combination		0.001217	0.001462	0.000249	0.000086	0.000242	0.000021	Cumple	Cumple	Cumple
Cubierta	17	S2	Combination		0.001217	0.001462	0.000249	0.000086	0.000242	0.000021	Cumple	Cumple	Cumple
Cubierta	17	S3	Combination		0.001217	0.001462	0.000249	0.000086	0.000242	0.000021	Cumple	Cumple	Cumple

11. Chequeo periodo

TABLE: Modal Direction Factors

CuTa

[Máx]

0.50

TABLE: Modal Direction Factors							
Case	Mode	Period	UX	UY	UZ	RZ	Revisión
		sec					
Modal	1	0.495	0.183	0.629	0	0.188	Cumple
Modal	2	0.487	0.78	0.219	0	0	Cumple
Modal	3	0.432	0.038	0.155	0	0.807	Cumple
Modal	4	0.158	0.096	0.51	0	0.395	Cumple
Modal	5	0.143	0.831	0.168	0	0	Cumple
Modal	6	0.125	0.072	0.319	0	0.609	Cumple

12. Ajuste de Cortante Basal

TABLE: Story Forces										
Story	Output Case	Case Type	Step Type	Location	P	VX	VY	T	MX	MY
					tonf	tonf	tonf	tonf-m	tonf-m	tonf-m
Entrepiso 1	Sx-FHE	LinStatic		Top	- 36.3983	2274.656 3	-15.2793	36000.078 5	-528.3571	-23315.331
Entrepiso 1	Sx-FHE	LinStatic		Bottom	- 36.3983	2274.656 3	-15.2793	36000.078 5	-474.8794	15354.034 1
Entrepiso 1	Sy-FHE	LinStatic		Top	1.8147	7.7559	2360.430 3	75552.263 1	25494.606 6	-120.0988
Entrepiso 1	Sy-FHE	LinStatic		Bottom	1.8147	7.7559	2360.430 3	75552.263 1	17233.100 5	-92.9531
Entrepiso 1	Sx-FHE+Exc	LinStatic		Top	- 36.2202	2274.787 5	-8.1415	36988.320 9	-525.7209	23327.116 9
Entrepiso 1	Sx-FHE+Exc	LinStatic		Bottom	- 36.2202	2274.787 5	-8.1415	36988.320 9	-497.2258	15365.360 6
Entrepiso 1	Sx-FHE-Exc	LinStatic		Top	- 36.5765	2274.525	-22.4172	35011.836 2	-530.9933	23303.545 2
Entrepiso 1	Sx-FHE-Exc	LinStatic		Bottom	- 36.5765	2274.525	-22.4172	35011.836 2	-452.5331	15342.707 6
Entrepiso 1	Sy-FHE+Exc	LinStatic		Top	1.4304	7.5458	2345.243 1	77667.146 2	25488.990 9	-94.6857
Entrepiso 1	Sy-FHE+Exc	LinStatic		Bottom	1.4304	7.5458	2345.243 1	77667.146 2	17280.64	-68.2754
Entrepiso 1	Sy-FHE-Exc	LinStatic		Top	2.1989	7.966	2375.617 5	73437.38	2	-145.5119
Entrepiso 1	Sy-FHE-Exc	LinStatic		Bottom	2.1989	7.966	2375.617 5	73437.38	17185.561	-117.6308
Entrepiso 1	Sx	LinRespSpec	Max	Top	28.1125	1787.479	344.1576	26428.037 7	3255.1724	18403.239 7

Entrepiso		LinRespSpe						26428.037		12149.350
1	Sx	c	Max	Bottom	28.1125	1787.479	344.1576	7	2072.2833	6
Entrepiso		LinRespSpe					1619.456	64236.741		
1	Sy	c	Max	Top	5.9884	314.583	3	8	18173.218	3215.1134
Entrepiso		LinRespSpe					1619.456	64236.741	12519.021	
1	Sy	c	Max	Bottom	5.9884	314.583	3	8	8	2115.7214

Verificación de Cortante Basal Dinamico

Ajuste de resultados según A.5.4.5

Cortante Basal minimo para estructuras regulares	[%]	0.8
Cortante Basal minimo para estructuras irregulares	[%]	0.9

Ajuste de resultados según A.5.4.5

Dirección	Entrepiso	Dinamico/estatico	Regular	Porcentaje	Ajuste de la gravedad
Vx	Story1	0.785778452	Irregular	0.9	9.8067
Vy	Story1	0.690528116	Irregular	0.9	9.8067

13. Cargas a cimentación

TABLE: Joint Reactions											
Stor y	Label	Ubicación de columnas	Output Case	Case Type	FX	FY	FZ	MX	MY	MZ	qa
					tonf	tonf	tonf	tonf-m	tonf-m	tonf-m	Areque
Base	1	A8	S2	Combinatio n	0.3914	-	39.7517	1.5314	0.3256	-0.011	2.7994
Base	2	B8	S2	Combinatio n	0.3565	-	67.2157	4.7441	1.9365	-0.011	4.7335
Base	3	C8	S2	Combinatio n	0.2152	-	55.5243	3.1741	1.9634	-0.011	3.9102
Base	4	D8	S2	Combinatio n	2.4495	-1.707	47.5848	0.1343	4.4744	-0.011	3.3510
Base	5	G8	S2	Combinatio n	-1.523	-	71.1388	3.2059	-	-0.011	5.0098
Base	6	H8	S2	Combinatio n	0.1438	-	39.9649	1.4835	2.8351	-0.011	2.8144
Base	7	A6	S2	Combinatio n	0.4256	1.4752	66.7094	2.6643	0.309	-0.011	4.6978
Base	8	B6	S2	Combinatio n	0.5047	3.3982	111.2448	5.1123	2.0686	-0.011	7.8341
Base	9	C6	S2	Combinatio n	0.1436	2.3327	88.1028	-	1.8089	-0.011	6.2044
Base	10	D6	S2	Combinatio n	5.1657	0.0455	97.194	1.1925	7.9535	-0.011	6.8446
Base	12	G6	S2	Combinatio n	-	2.3164	126.5775	-	-5.313	-0.011	8.9139
Base	13	H6	S2	Combinatio n	0.3038	1.7221	67.3408	-	2.9825	-0.011	4.7423
Base	14	A4	S2	Combinatio n	0.3709	0.2027	33.3076	0.4439	0.7238	0.0014	2.3456
Base	15	B4	S2	Combinatio n	-	0.8958	35.2214	-	1.8029	-	2.4804
Base	16	G4	S2	Combinatio n	-	1.6709	89.8504	-3.051	-	-0.011	6.3275
Base	17	H4	S2	Combinatio n	0.255	0.9875	52.9382	-	2.8722	-0.011	3.7280

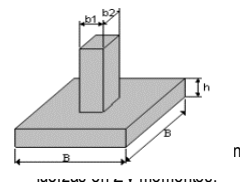
Base	18	A2	S2	Combinatio n	0.4255	0.3472	32.6213	-	-	-	2.297 3
Base	19	B2	S2	Combinatio n	-	0.2982	32.103	-	0.6576	-	2.260 8
Base	20	G3	S2	Combinatio n	0.0991	-	91.3001	0.2889	1.3517	0.0014	6.429 6
Base	21	H3	S2	Combinatio n	-	0.3057	55.0489	-	3.7008	-0.011	3.876 7
Base	22	G1	S2	Combinatio n	0.2746	-	54.7025	1.1163	2.8591	-0.011	3.852 3
Base	23	H1	S2	Combinatio n	-	3.1594	34.0436	-4.4	1.9807	-0.011	2.397 4
Base	11	A1	S2	Combinatio n	0.2698	2.2068	13.4223	3.0973	2.8062	-0.011	0.945 2
Base	38	B1	S2	Combinatio n	0.4407	1.1876	13.3286	-	0.6425	-	0.938 6
					-	1.1898		1.1554	1.2895	0.0014	
					0.1424			1.1508			

14. Diseño de zapatas

Z-1

Cargas de servicio	B.2.3.1 NSR-10	Pcol [kN]	134.223
Resistencia a la compresión		f _c [MPa]	28
Fluencia del acero		f _y [MPa]	420
Largo de Zapata		L [m]	1.4
Lado corto de columna o pedestal		b ₁ [m]	0.4
Lado largo de columna o pedestal		b ₂ [m]	0.4
Recubrimiento	Min 75mm C.7.7.1(a)	r [m]	0.075
Altura Zapata	Art. C.15.7 NSR-10	H [m]	0.35
Altura-Recubrimiento	Min 225 mm	d [m]	0.275
Factor de seguridad		FS	1.3
Carga ultima		Pultima [kN]	174.4899
Perimetro		bo [m]	2.70
		Lo [m]	0.68

DATOS GENERALES



Revisar Punzonamiento Xx

C.11.11.1.2.

Voladizo		Lv [m]	0.5
Esfuerzo del terreno ultimo		Pu [kN/m ²]	89.03
Altura d1		d1 [m]	0.24
Cortante		Vu [kN]	133.93
c.8.6.1	λ 1		1728.24
	β 1		1550.9
Depende de ubicación de columna C:40;	as 40	Vc [kN]	1118.27
b:30,e:20			
Cortante		Φ	0.75
		ΦVc [kN]	838.71
		Vu<ΦVc	Cumple

Revisar Cortante

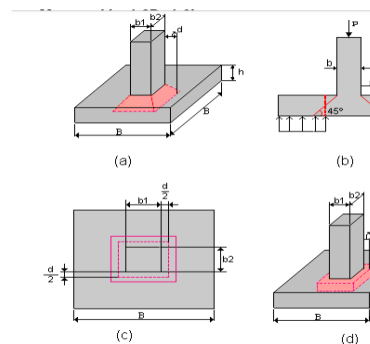
Unidireccional Xx

C.11.11.1.1

Wu [kN/m]	124.64
X [m]	0.225
Vu [kN]	28.04
d2 [m]	0.083
Vc [kN]	103.899
Φ	0.75
ΦVc [kN]	77.92
Vu<ΦVc	Cumple

DISEÑO A FLEXIÓN C.15.4.2

Momento ultimo	Mu [KN.m]	15.58
El refuerzo a flexión debe tener una cuantía mínima de 0.0018 (C.7.12.2.1 NSR-10)	pasig	0.00180
	As [cm ²]	8.82
	L libre [m]	1.25



Z-2

Cargas de servicio	B.2.3.1 NSR-10
Resistencia a la compresión	
Fluencia del acero	
Largo de Zapata	
Lado corto de columna o pedestal	
Lado largo de columna o pedestal	
Recubrimiento	Min 75mm C.7.7.1(a)
Altura Zapata	Art. C.15.7 NSR-10
Altura-Recubrimiento	Min 225 mm
Factor de seguridad	
Carga ultima	
Perimetro	

DATOS GENERALES

Pcol [kN]	475.848
f _c [MPa]	28
f _y [MPa]	420
L [m]	1.9
b1 [m]	0.4
b2 [m]	0.4
r [m]	0.075
H [m]	0.4
d [m]	0.325
FS	1.3
Pultima [kN]	618.6024
bo [m]	2.90
Lo [m]	0.73

Revisar Punzonamiento Xx C.11.11.1.2.

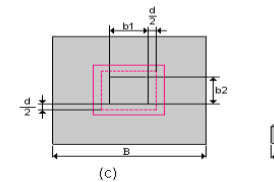
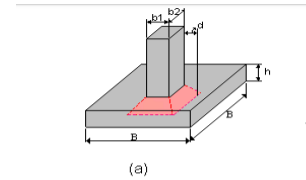
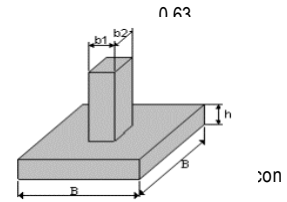
Voladizo	Lv [m]	0.75
Esfuerzo del terreno ultimo	Pu [kN/m ²]	171.36
Altura d1	d1 [m]	0.29
Cortante	Vu [kN]	528.53
c.8.6.1	λ	1
	β	1
Depende de ubicación de columna C:40;	as	40
b:30,e:20		
Cortante	Vc [kN]	1467.50
	Φ	0.75
	ΦVc [kN]	1100.62
	Vu<ΦVc	Cumple

Revisar Cortante Unidireccional Xx C.11.11.1.1

Wu [kN/m]	325.58
X [m]	0.425
Vu [kN]	138.37
d2 [m]	0.152
Vc [kN]	259.222
Φ	0.75
ΦVc [kN]	194.42
Vu<ΦVc	Cumple

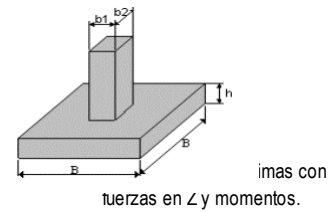
DISEÑO A FLEXIÓN C.15.4.2

Momento ultimo	Mu [kN.m]	91.57
El refuerzo a flexión debe tener una cuantía mínima de 0.0018 (C.7.12.2.1 NSR-10)	pasig	0.00180
	As [cm ²]	13.68
	L libre [m]	1.75

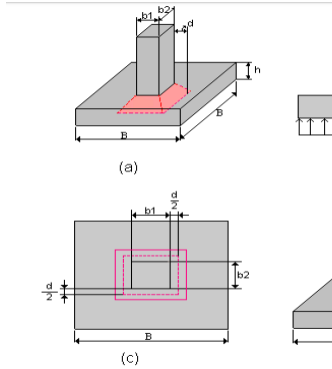


Z-3

Cargas de servicio	B.2.3.1 NSR-10	DATOS GENERALES	Pcol [kN]	555.243
Resistencia a la compresión		f_c [MPa]	28	
Fluencia del acero		f_y [MPa]	420	
Largo de Zapata		L [m]	2.0	
Lado corto de columna o pedestal		b1 [m]	0.4	
Lado largo de columna o pedestal		b2 [m]	0.4	
Recubrimiento	Mín 75mm C.7.7.1(a)	r [m]	0.075	
Altura Zapata	Art. C.15.7 NSR-10	H [m]	0.45	
Altura-Recubrimiento	Mín 225 mm	d [m]	0.375	
Factor de seguridad		FS	1.3	
Carga ultima		Pultima [kN]	721.8159	
Perimetro		bo [m]	3.10	
		Lo [m]	0.78	
		Revisar Punzonamiento Xx		
		C.11.11.1.2.		
Voladizo		Lv [m]	0.8	
Esfuerzo del terreno ultimo		Pu [kN/m ²]	180.45	
Altura d1		d1 [m]	0.33	
Cortante		Vu [kN]	613.43	
c.8.6.1	λ 1		2769.56	
	β 1		2826.8	
Depende de ubicación de columna C:40;	as 40	Vc [kN]	1792.07	
b:30,e:20				
Cortante		Φ	0.75	
		ΦV_c [kN]	1344.05	
		Vu < ΦV_c	Cumple	
		Revisar Cortante		
		Unidireccional Xx		
		C.11.11.1.1		
		Wu [kN/m]	360.91	
		X [m]	0.425	
		Vu [kN]	153.39	
		d2 [m]	0.164	
		Vc [kN]	295.167	
		Φ	0.75	
		ΦV_c [kN]	221.37	
		Vu < ΦV_c	Cumple	
		DISEÑO A FLEXIÓN C.15.4.2		
Momento ultimo		Mu [kN.m]	115.49	
El refuerzo a flexión debe tener una cuantía mínima de 0.0018 (C.7.12.2.1 NSR-10)		pasig	0.00180	
		As [cm ²]	16.20	
		L libre [m]	1.85	



Mayoración 1.2D+1.6L



Z-4

Cargas de servicio	B.2.3.1 NSR-10
Resistencia a la compresión	
Fluencia del acero	
Largo de Zapata	
Lado corto de columna o pedestal	
Lado largo de columna o pedestal	
Recubrimiento	Min 75mm C.7.7.1(a)
Altura Zapata	Art. C.15.7 NSR-10
Altura-Recubrimiento	Min 225 mm
Factor de seguridad	
Carga ultima	
Perimetro	

DATOS GENERALES

Pcol [kN]	673.408
f _c [MPa]	28
f _y [MPa]	420
L [m]	2.2
b1 [m]	0.4
b2 [m]	0.4
r [m]	0.075
H [m]	0.45
d [m]	0.375
FS	1.3
Pultima [kN]	875.4304
bo [m]	3.10
Lo [m]	0.78

Revisar Punzonamiento Xx C.11.11.1.2.

Lv [m]	0.9
Pu [kN/m ²]	180.87
d1 [m]	0.34
Vu [kN]	766.79
	2810.41
Vc [kN]	2897.4
	1818.50

Φ	0.75
ΦVc [kN]	1363.87
Vu < ΦVc	Cumple

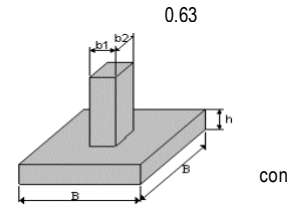
Revisar Cortante Unidireccional Xx C.11.11.1.1

Wu [kN/m]	397.92
X [m]	0.525
Vu [kN]	208.91
d2 [m]	0.188
Vc [kN]	371.067
Φ	0.75
ΦVc [kN]	278.30
Vu < ΦVc	Cumple

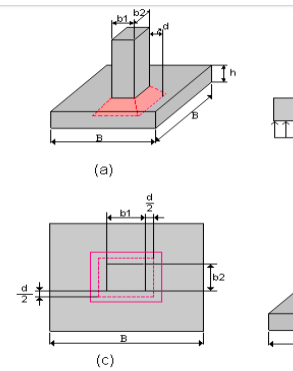
DISEÑO A FLEXIÓN C.15.4.2

Momento ultimo 
El refuerzo a flexión debe tener una cuantía mínima de 0.0018 (C.7.12.2.1 NSR-10)

Mu [kN.m]	161.16
pasig	0.00180
As [cm ²]	17.82
L libre [m]	2.05



Mayoración 1.2D+1.6L

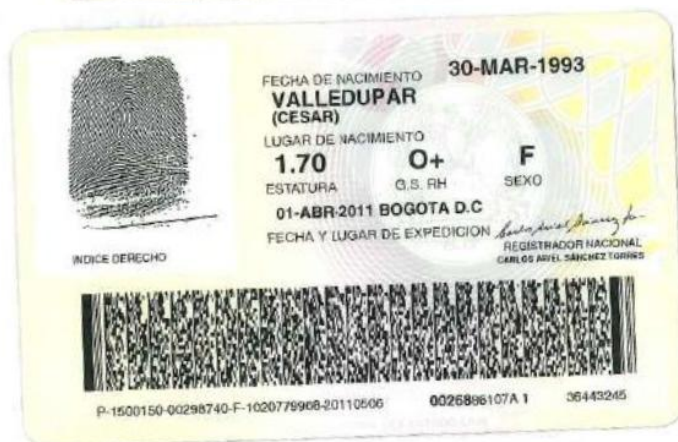


15. Conclusiones

- ❖ Se recomienda seguir todas y cada una de las indicaciones establecidas en el título C y F de la NSR-10.
- ❖ Los diseños contemplados en este documento pretenden lograr un comportamiento adecuado de la estructura, preparándola en mejor forma para recibir las cargas actuales.
- ❖ En las zonas de difícil compactación del material granular (borde de elementos estructurales o similar) se recomienda la adición al 1% en peso de cemento tipo 1, que permita autonivelación y compactación del material.
- ❖ Para que el diseño de mezcla aporte al control de fisuración por las altas temperaturas de la zona, se recomienda contemplar aditivos plastificantes de bajo rango, agregado grueso con partículas de TM 3/4", máxima relación A/MC = 0.45 y un asentamiento cercano a 3". Es necesario contemplar restringir los horarios de fundida de concreto entre las 10:00 am y las 4:00 pm. Se deberán realizar ensayos de desgaste al agregado grueso, validando su cumplimiento bajo norma lcontec.
- ❖ Se recomienda realizar todos los controles de calidad de los materiales a utilizar en el proyecto, con el fin de garantizar las condiciones mínimas de resistencia y calidad planteadas en este diseño.
- ❖ Se solicita aplicar el título I (Supervisión técnica) de las normas sismorresistente NSR-10.



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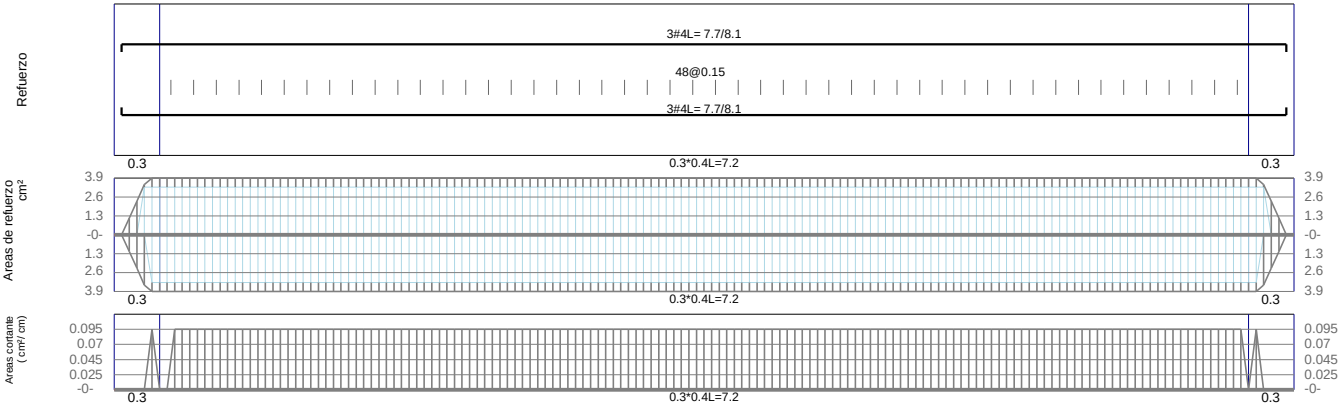


16. Diseño De Vigas De Cimentación

Combinaciones usadas en el grupo de diseño #2

Nº	Definición	Flexión	Cortante	Torsión
1	S1	SI	SI	
2	S2	SI	SI	
3	S3	SI	SI	
4	S4	SI	SI	
5	S5	SI	SI	
6	S6	SI	SI	
7	S7Max	SI	SI	
8	S7Min	SI	SI	
9	S8Max	SI	SI	
10	S8Min	SI	SI	
11	S9Max	SI	SI	
12	S9Min	SI	SI	
13	S10Max	SI	SI	
14	S10Min	SI	SI	
15	S11	SI	SI	
16	S12	SI	SI	
17	S13Max	SI	SI	
18	S13Min	SI	SI	
19	S14Max	SI	SI	
20	S14Min	SI	SI	
21	S15Max	SI	SI	
22	S15Min	SI	SI	
23	S16Max	SI	SI	
24	S16Min	SI	SI	
25	S17	SI	SI	
26	S18	SI	SI	
27	S19Max	SI	SI	
28	S19Min	SI	SI	
29	S20Max	SI	SI	
30	S20Min	SI	SI	
31	S21Max	SI	SI	
32	S21Min	SI	SI	
33	S22Max	SI	SI	
34	S22Min	SI	SI	

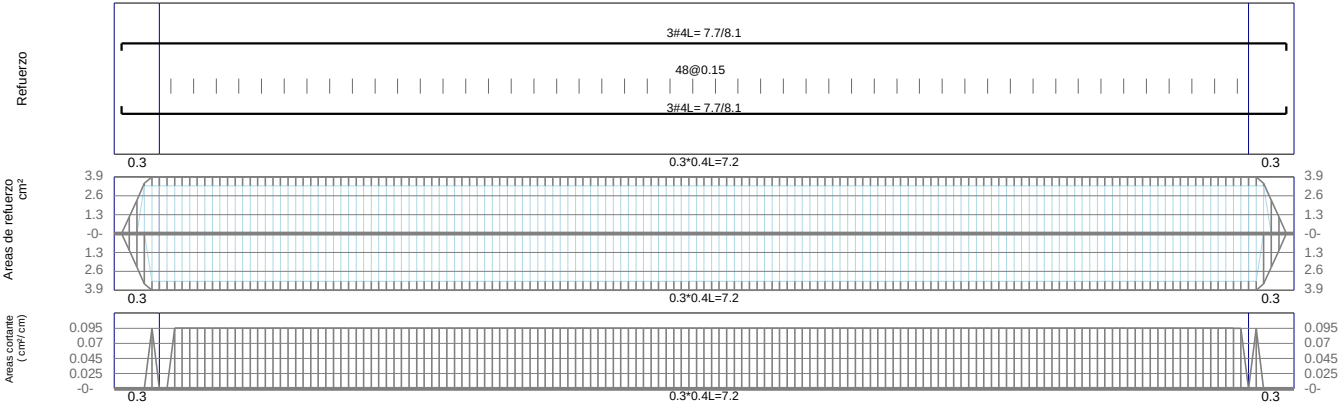
V 2 / Base



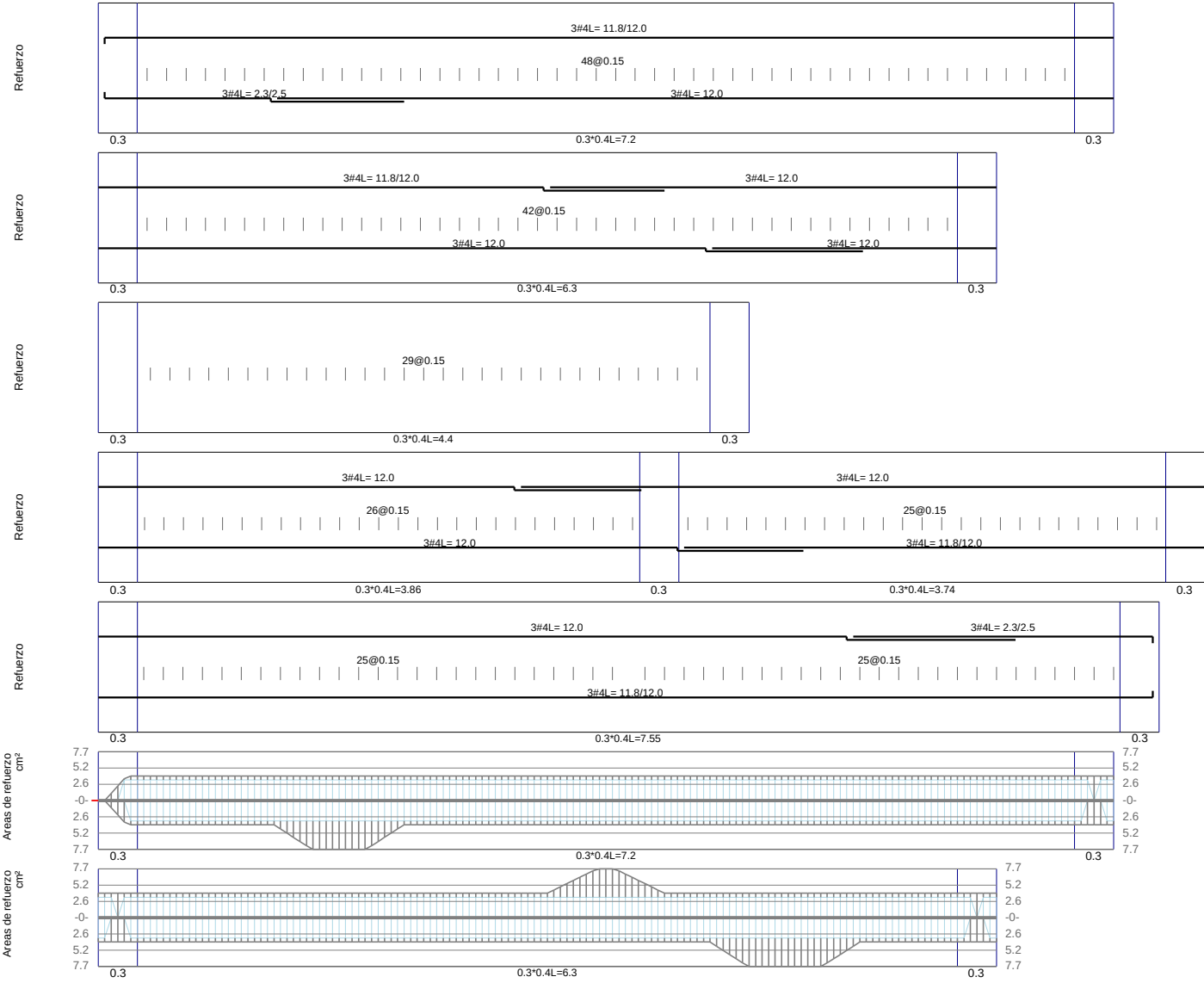
V 4 / Base

Nombre Principal		
Nombre Auxiliar	Dirección	
Propietario	Diseño Arquitectónico	
DC-CAD3 Licenciado a:	Contenido	
Norma	Código Nimbus	Memorias de Vigas
NSR-10 DMO		

V 4 / Base



V 8 / Base



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

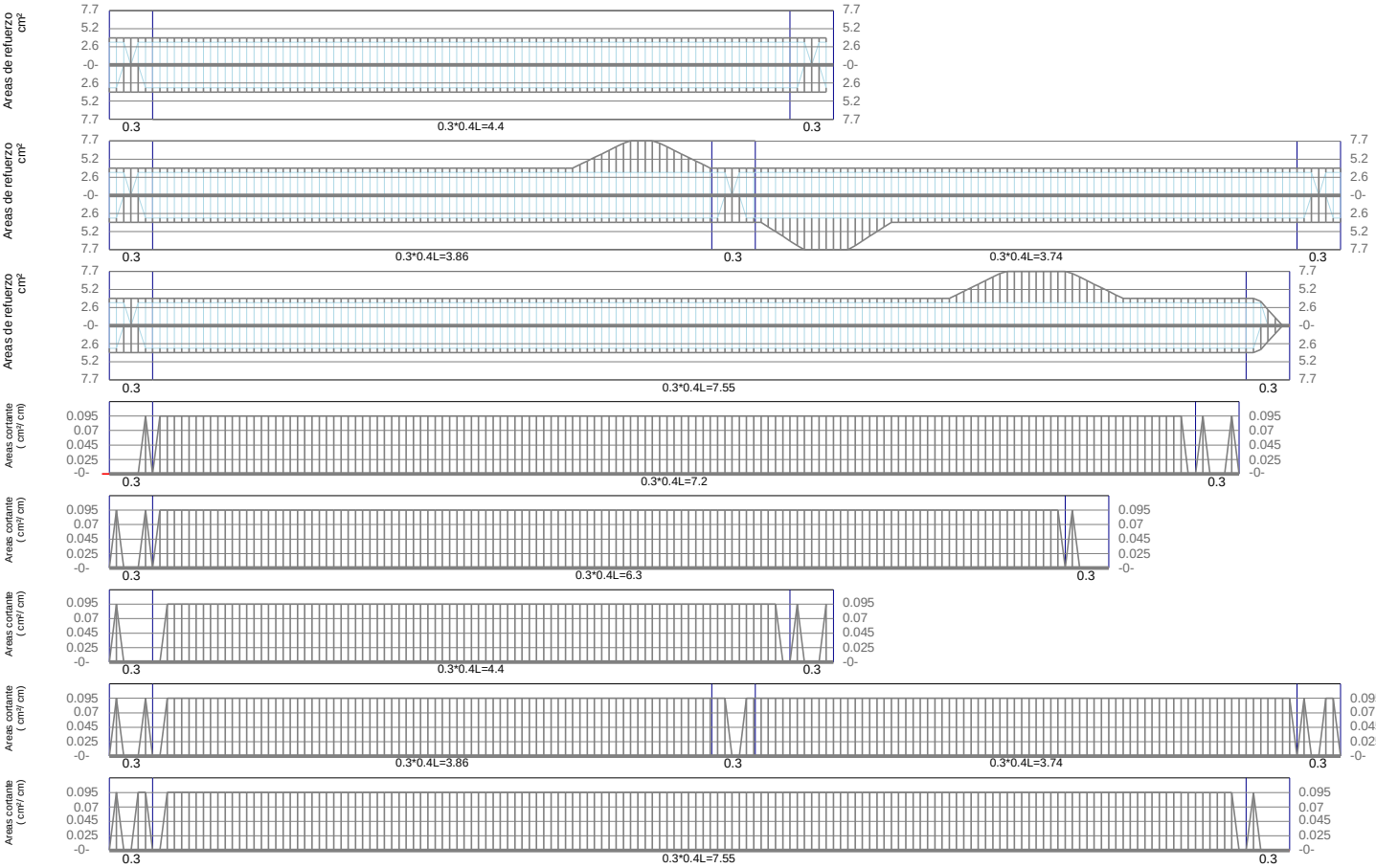
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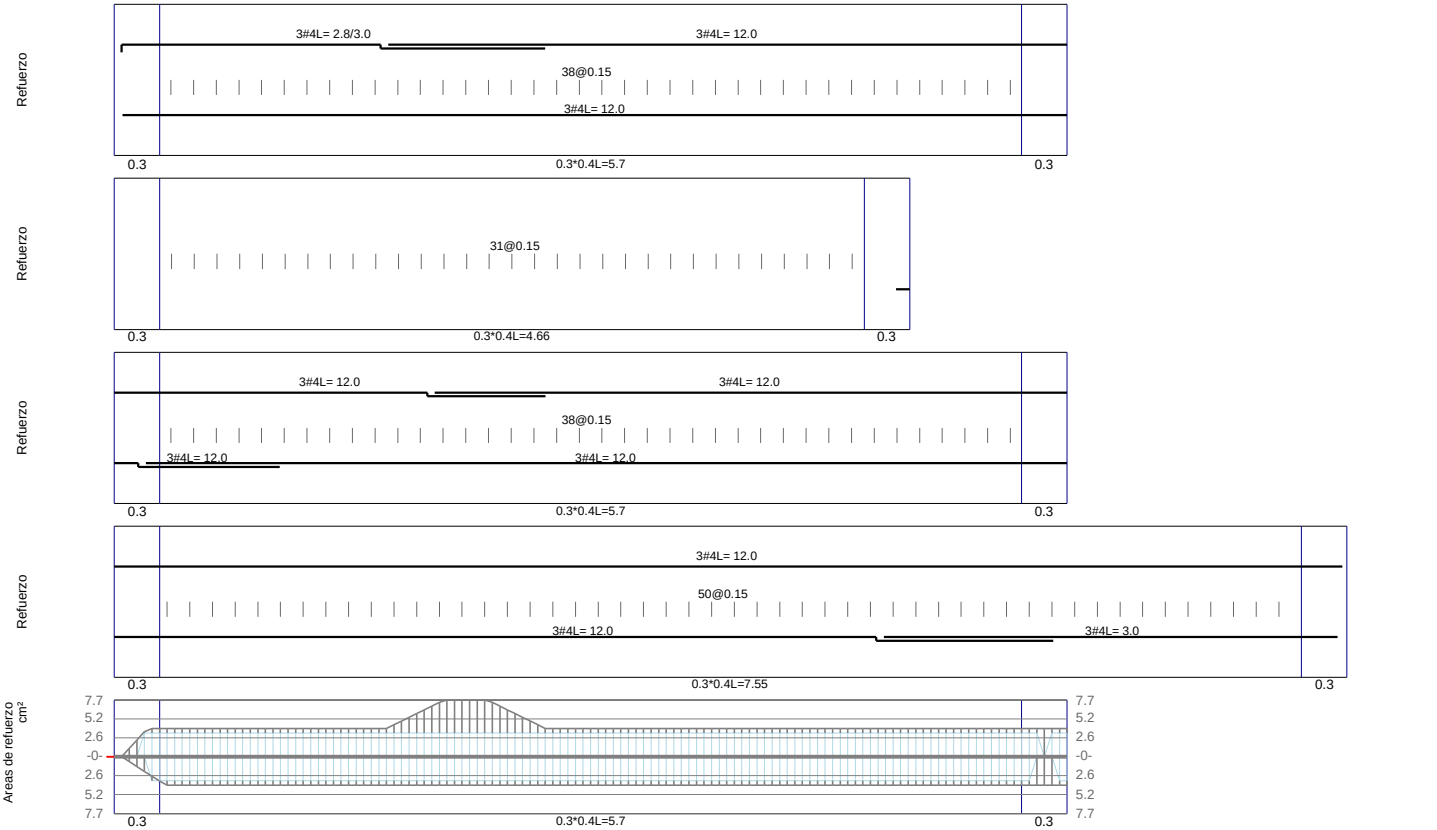
Código Nimbus

Memorias de Vigas

NSR-10 DMO



V H / Base



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

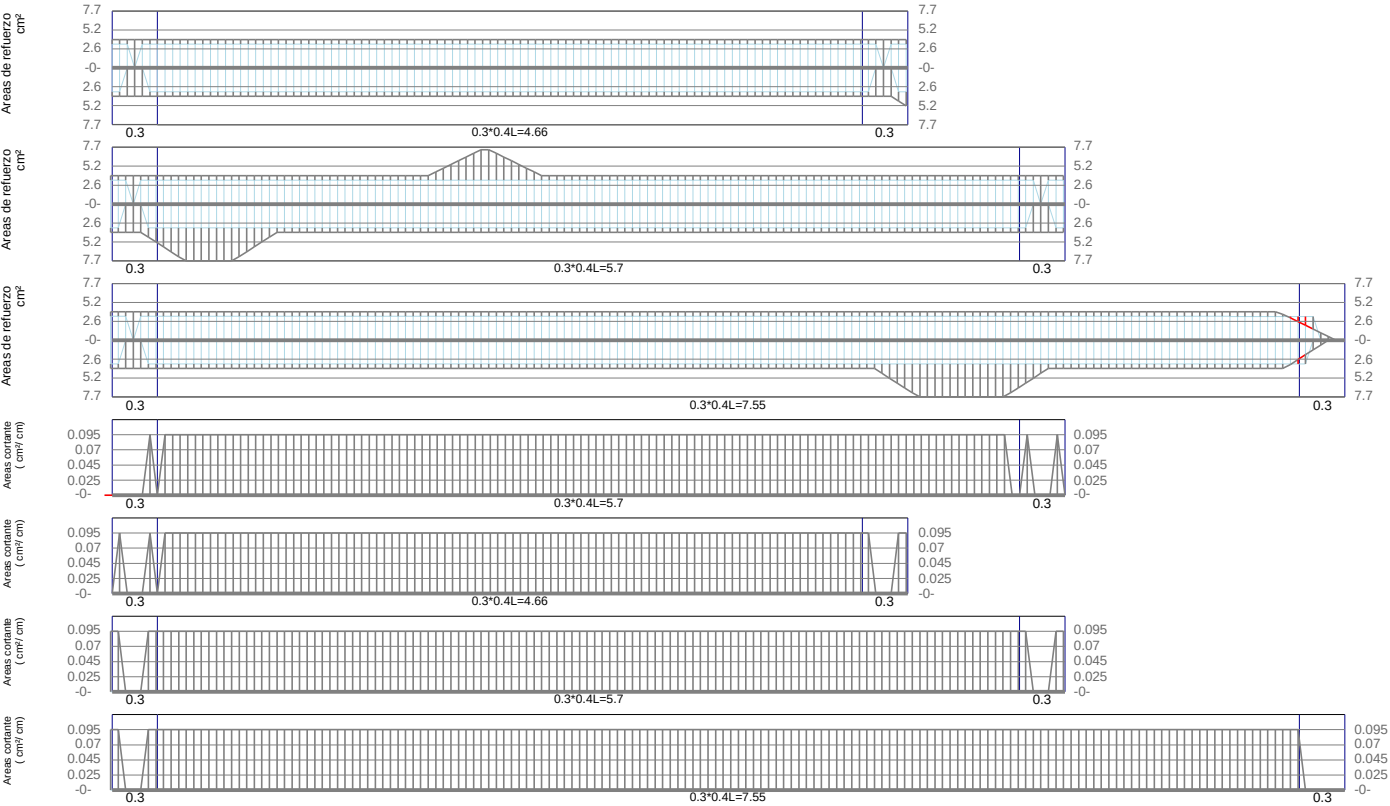
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Contenido

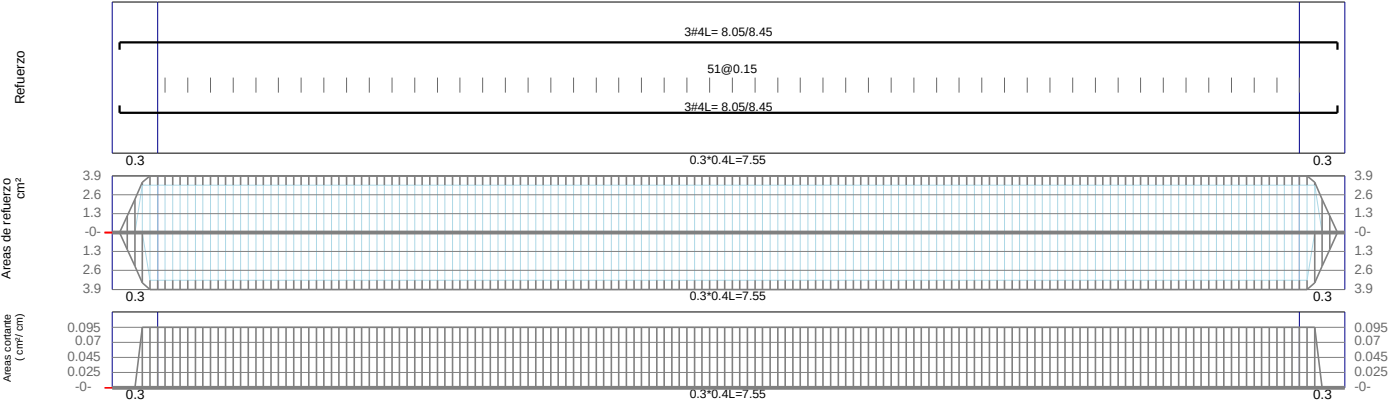
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Memorias de Vigas

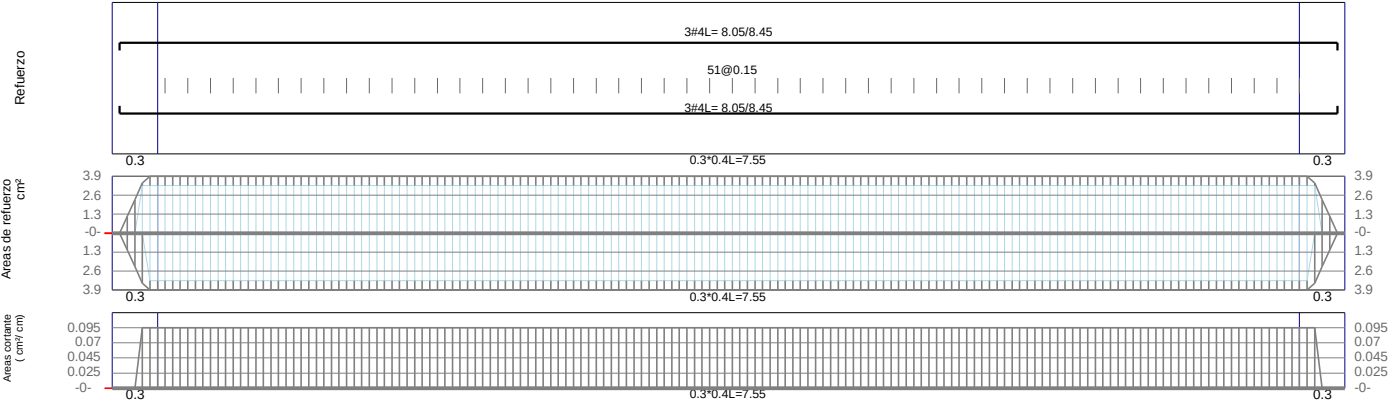
NSR-10 DMO



V 1 / Base



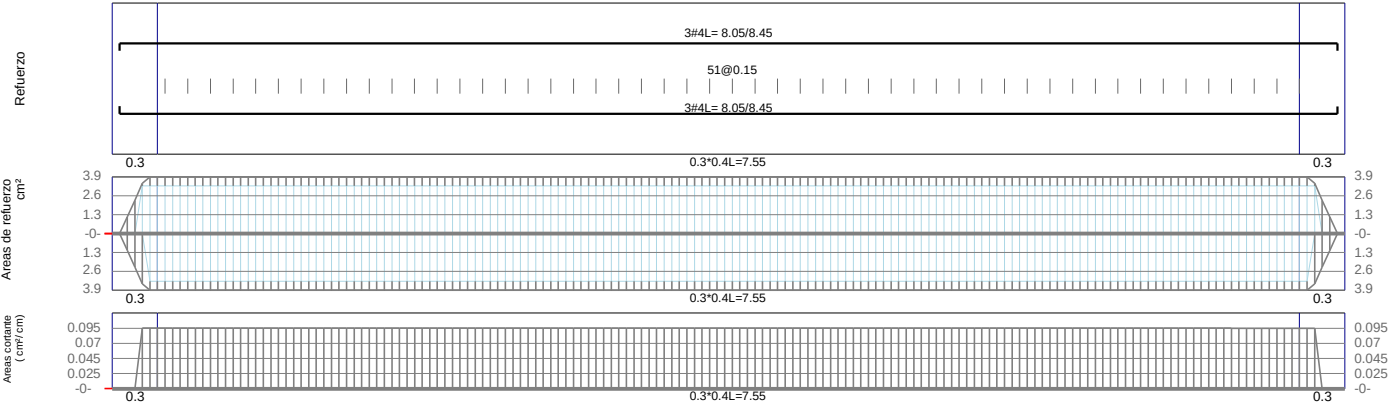
V 3 / Base



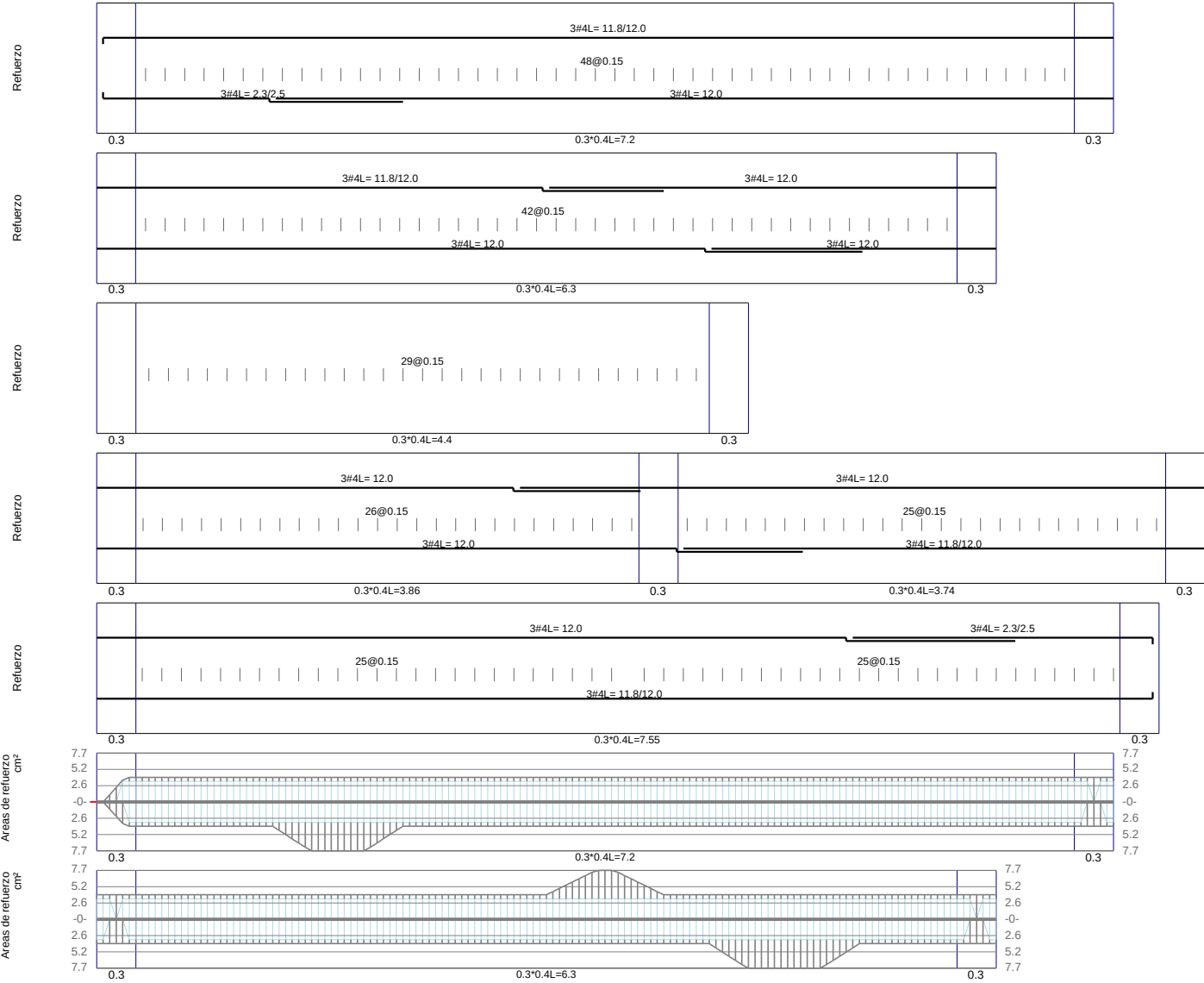
V 4(1) / Base

Nombre Principal		
Nombre Auxiliar	Dirección	
Propietario	Diseño Arquitectónico	
DC-CAD3 Licenciado a:	Contenido	Memorias de Vigas
Norma	Código Nimbus	
NSR-10 DMO		

V 4(1) / Base



V 6 / Base



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

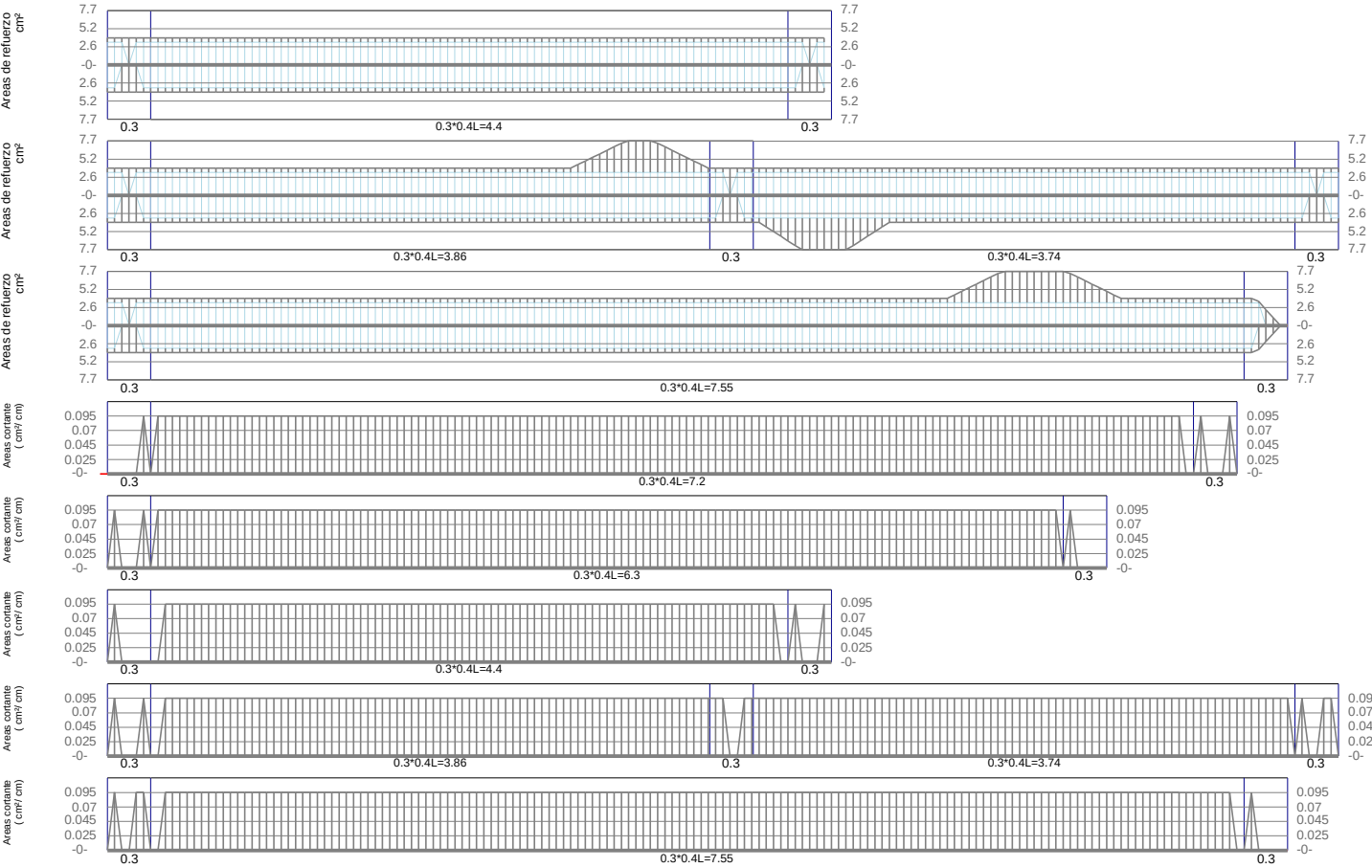
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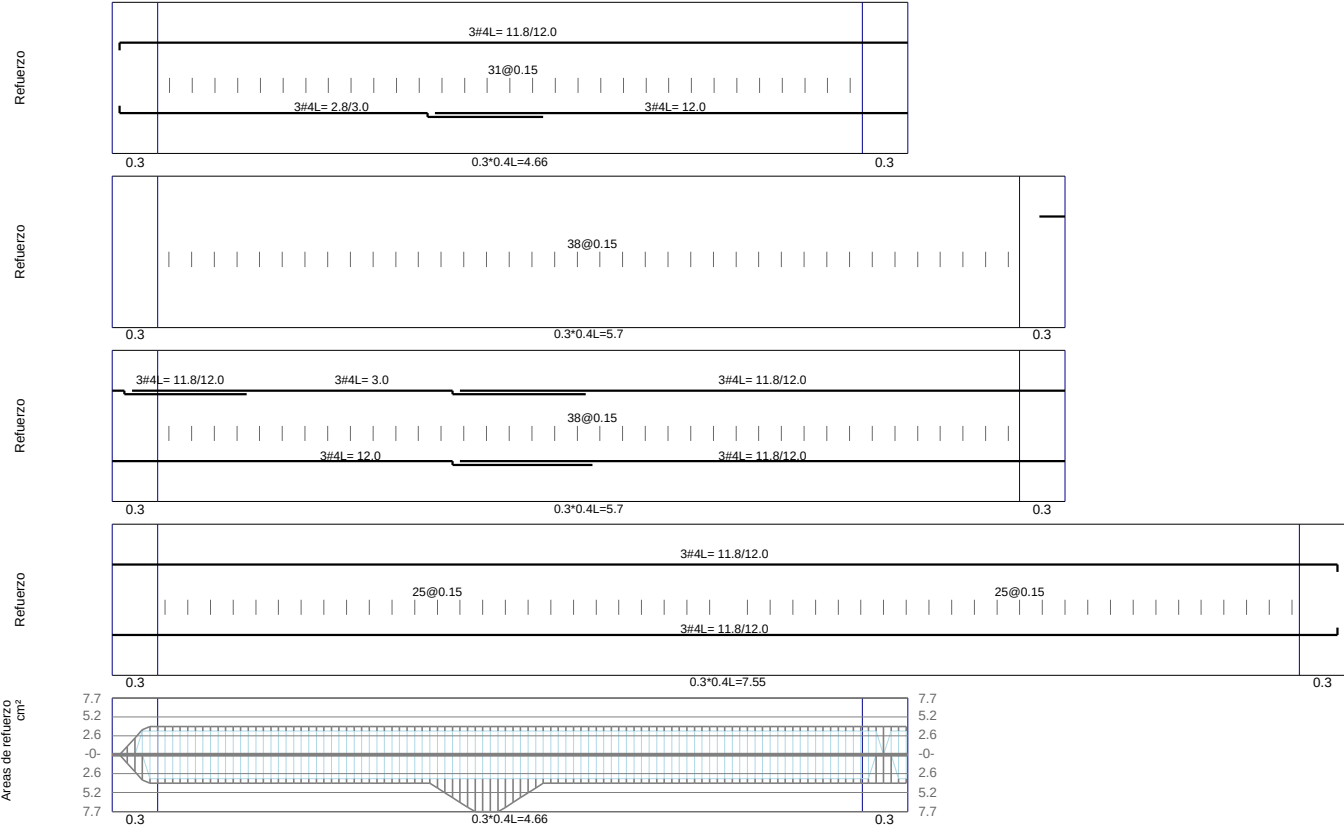
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Memorias de Vigas

NSR-10 DMO



VA / Base



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

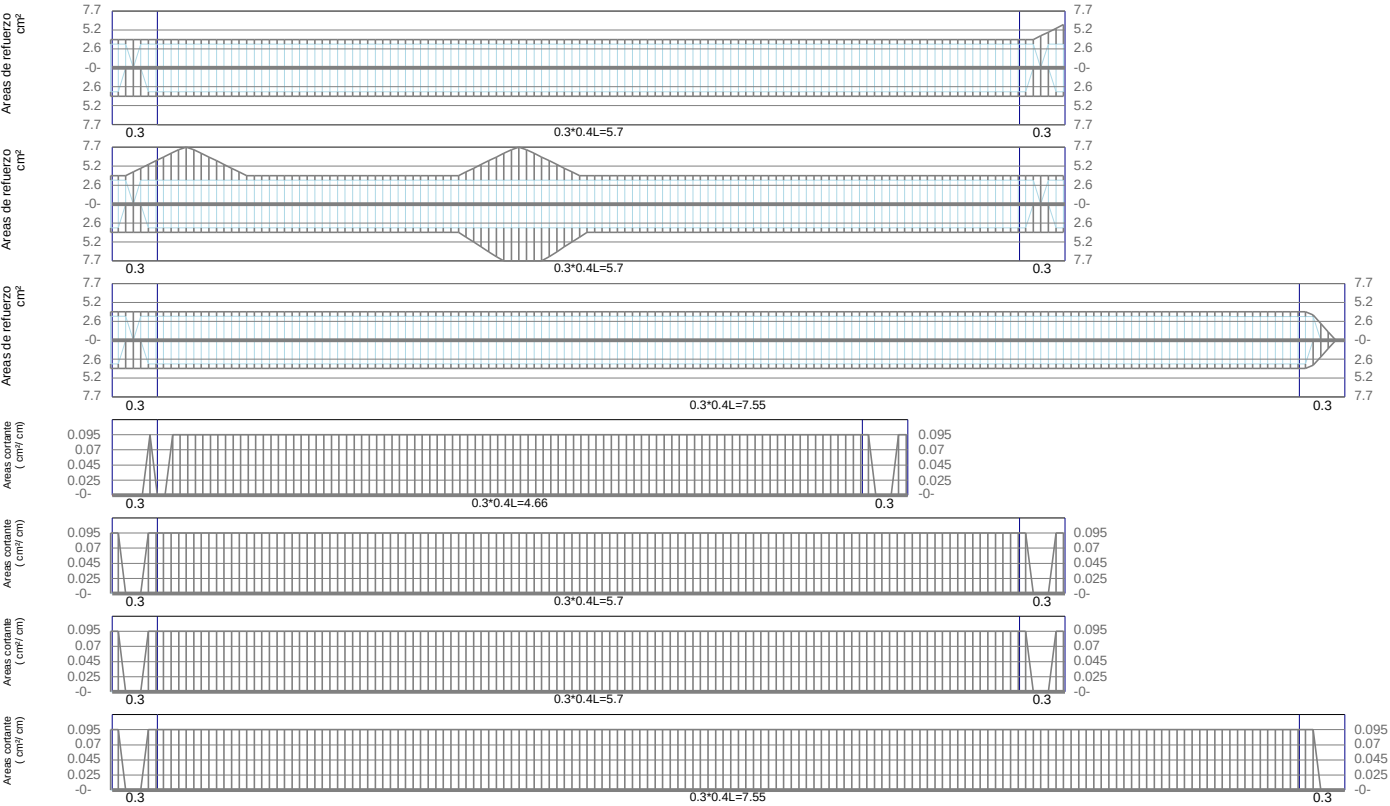
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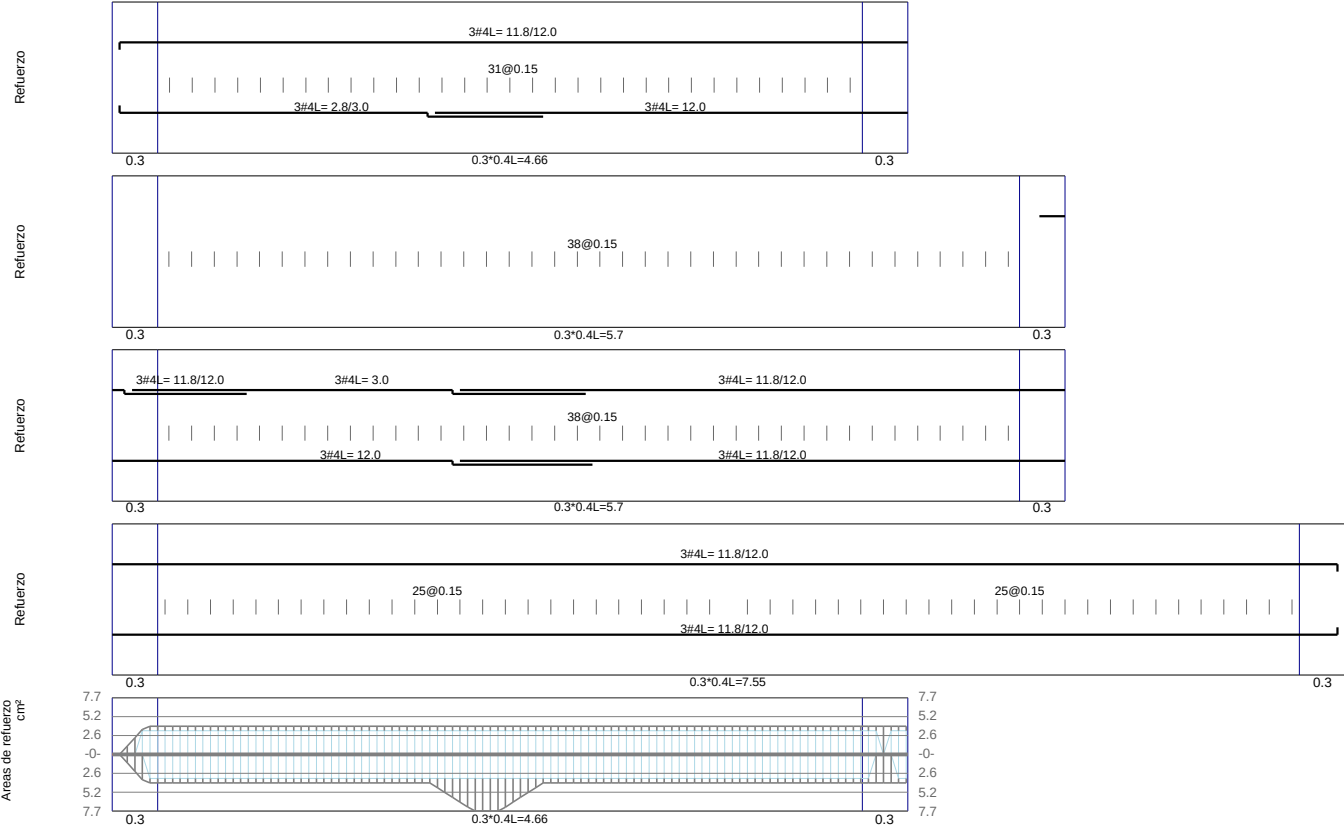
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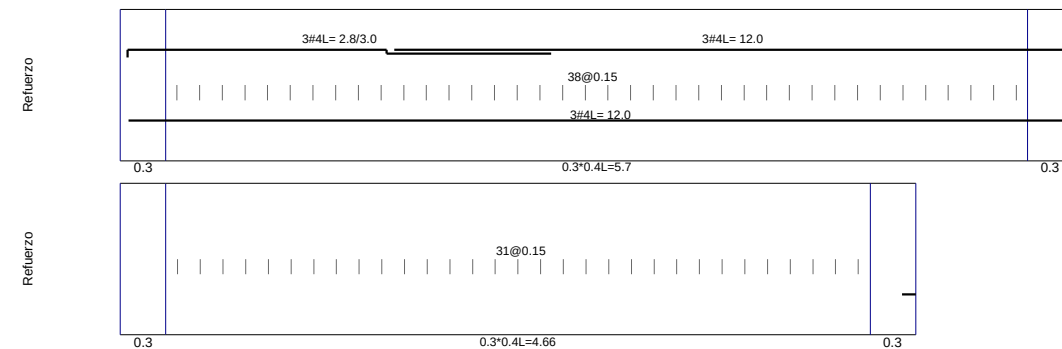
Memorias de Vigas

NSR-10 DMO



VB / Base





Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

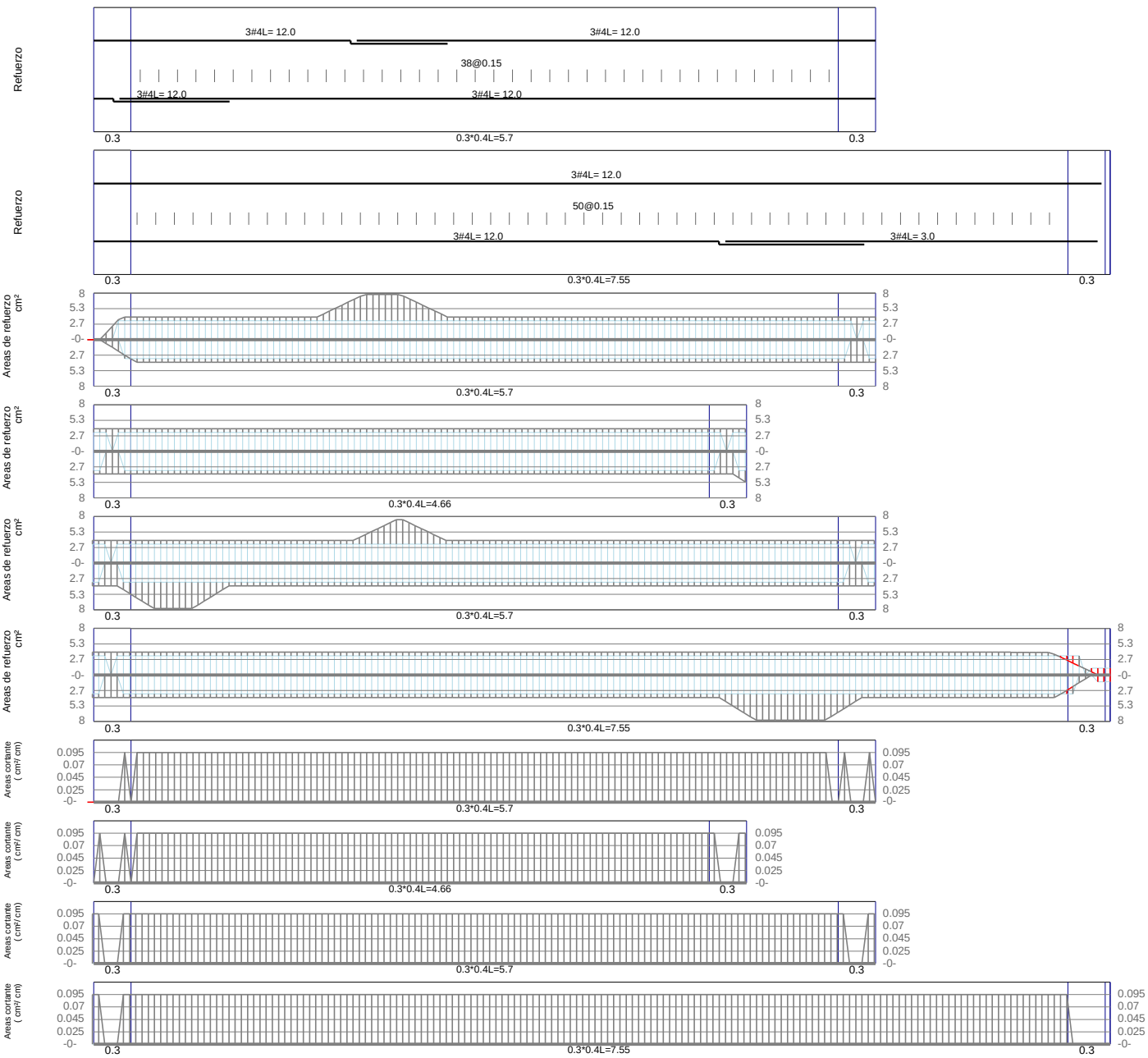
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Contenido

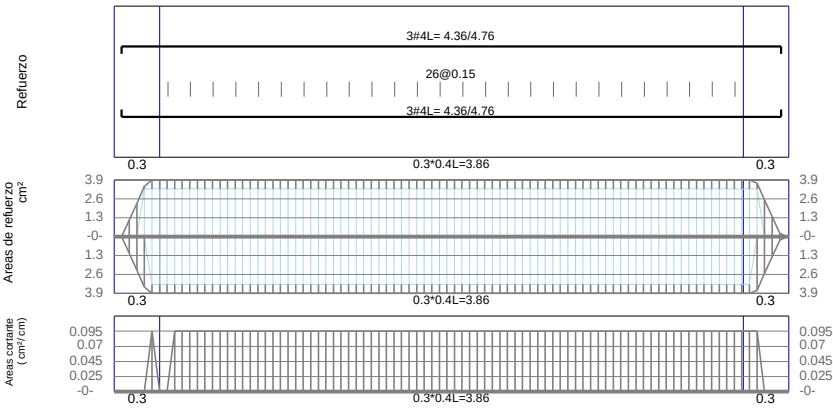
Código Nimbus

Memorias de Vigas

NSR-10 DMO



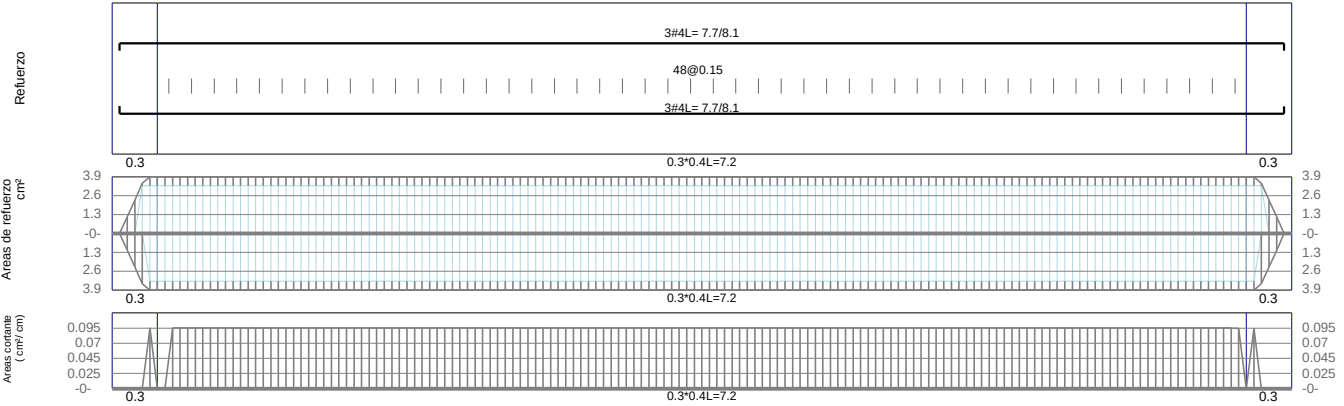
V 7 / Base



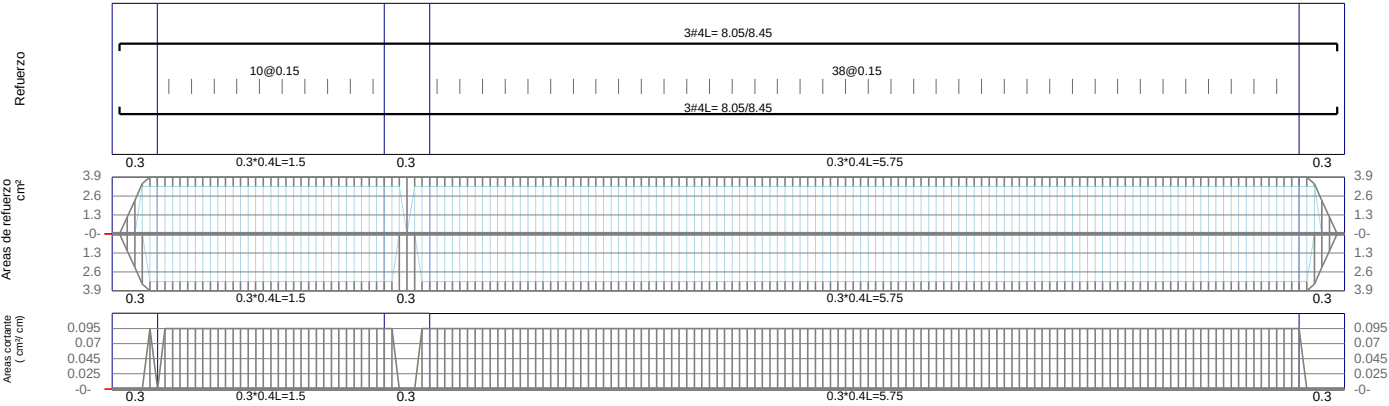
V 1(1) / Base

Nombre Principal		
Nombre Auxiliar		Dirección
Propietario		Diseño Arquitectónico
DC-CAD3 Licenciado a:		Contenido
Norma	NSR-10 DMO	Código Nimbus
		Memorias de Vigas

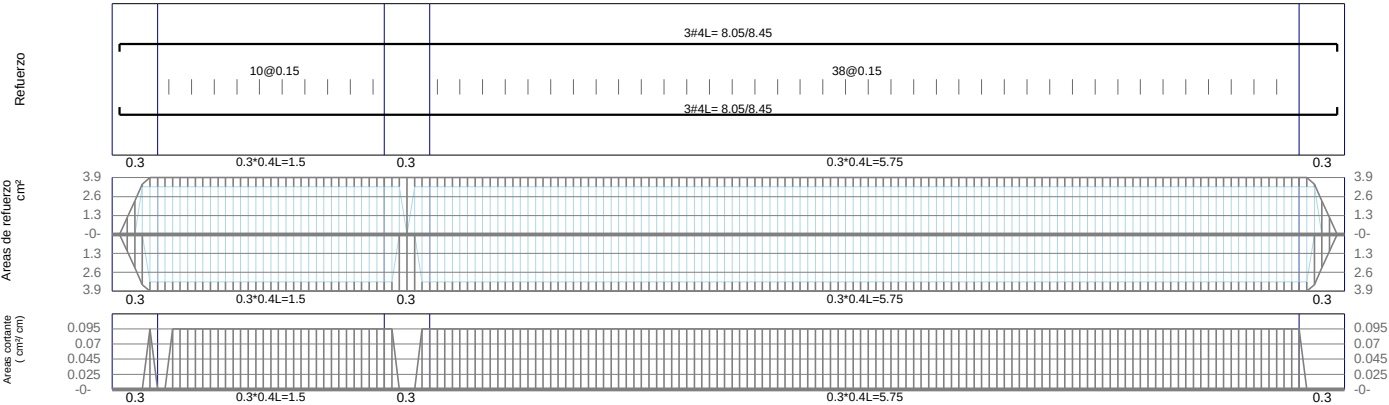
V 1(1) / Base



V D / Base



V E / Base



17. Diseño de Columnas

Nombre Principal	
Nombre Auxiliar	Dirección
Propietario	Diseño Arquitectónico
DC-CAD3 Licenciado a:	Contenido
Norma	Código Nimbus
NSR-10 DMO	
Memorias de columnas	

A-8

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 479.8 Kg Cuantía= 238.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=4.5Ton (U7Min) Sec= 11.5Ton (U8Max) V. plástico Ppal=14 Sec=14Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.85 P=21.9 Mppal=-.4 Msec=-21.0T m Cuantía zona inferior =1.55 Eficiencia zona inferior = 0.64 P=15.4 Mppal=-.5 Msec=20.4T m Relación Mínima Col/Vig=.7(Viga:A)
		V. Max Ppal=6.9Ton (U7Min) Sec= 11.0Ton (U8Max) V. plástico Ppal=18 Sec=18Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.55 Eficiencia zona superior = 0.39 P=49.9 Mppal=-2.4 Msec=-14.2T m Cuantía zona inferior =1.55 Eficiencia zona inferior = 0.82 P=21.1 Mppal=8.7 Msec=25.0T m Relación Mínima Col/Vig=2.6(Viga:A)

B-8

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 559.1 Kg Cuantía= 277.8 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=7.0Ton (U7Min) Sec= 17.6Ton (U8Max) V. plástico Ppal=20 Sec=20Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.82 Eficiencia zona superior = 0.77 P=33.8 Mppal=-3.3 Msec=-29.9T m Cuantía zona inferior =1.82 Eficiencia zona inferior = 0.86 P=28.1 Mppal=2.4 Msec=32.7T m Relación Mínima Col/Vig=1.0(Viga:B)
		V. Max Ppal=8.1Ton (U7Min) Sec= 13.7Ton (U8Max) V. plástico Ppal=23 Sec=23Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 125mm (Por Cortante Plástico) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.82 Eficiencia zona superior = 0.49 P=76.8 Mppal=-6.6 Msec=-18.5T m Cuantía zona inferior =1.82 Eficiencia zona inferior = 0.74 P=68.1 Mppal=8.9 Msec=28.4T m Relación Mínima Col/Vig=2.7(Viga:B)

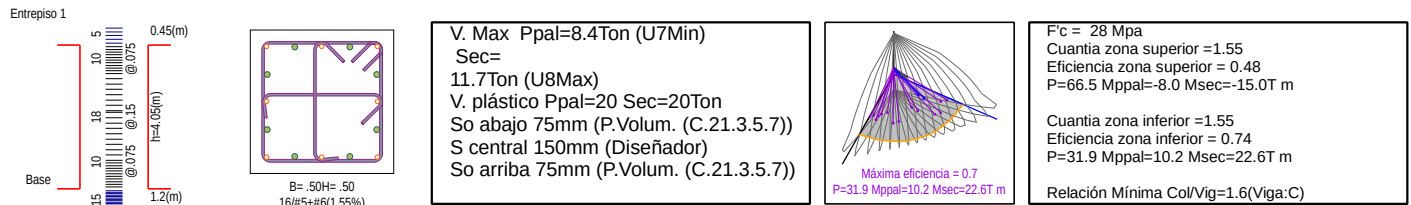
C-8

Norma: NSR-10 DMO

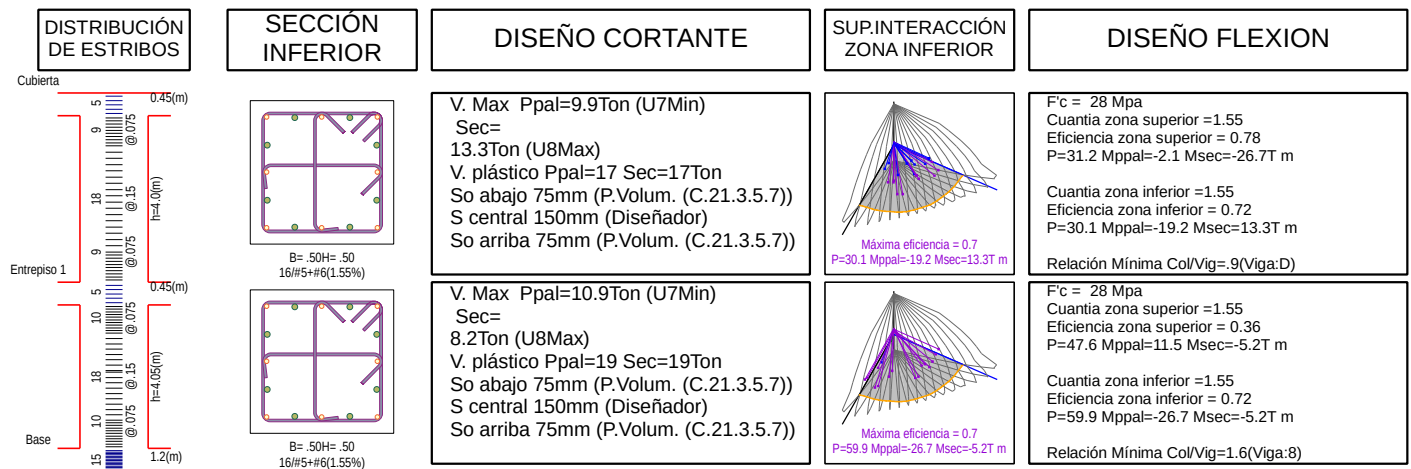
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 494.4 Kg Cuantía= 245.7 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=8.0Ton (U7Min) Sec= 14.6Ton (U8Max) V. plástico Ppal=17 Sec=17Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.55 Eficiencia zona superior = 0.75 P=28.8 Mppal=-3.8 Msec=-25.1T m Cuantía zona inferior =1.55 Eficiencia zona inferior = 0.82 P=23.6 Mppal=3.5 Msec=26.8T m Relación Mínima Col/Vig=.9(Viga:C)

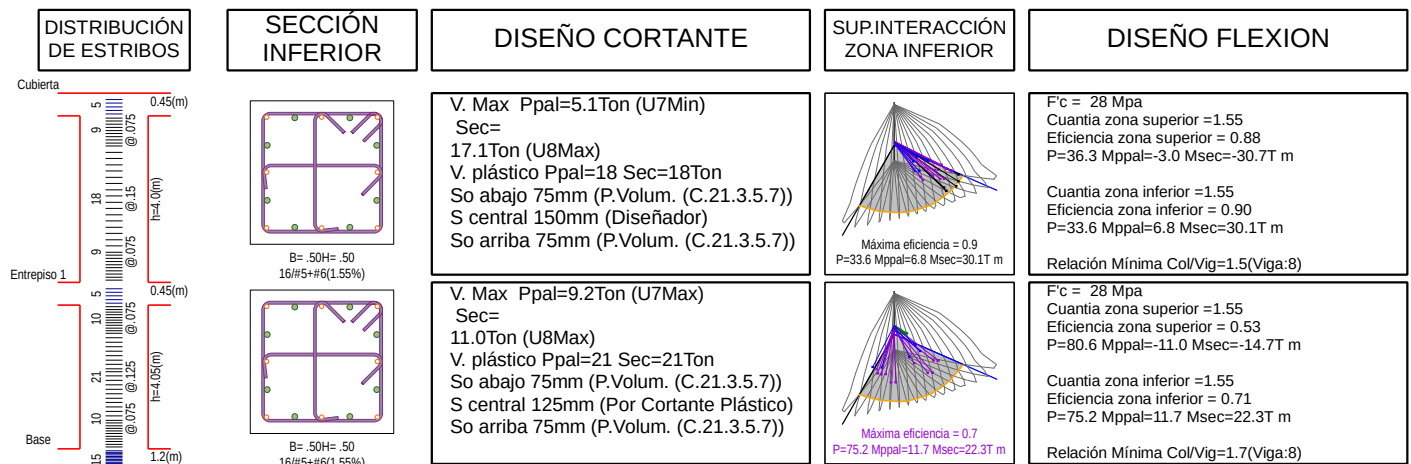
Nombre Principal		
Nombre Auxiliar		Dirección
Propietario		Diseño Arquitectónico
DC-CAD3 Licenciado a:		Contenido
Norma	NSR-10 DMO	Código Nimbus
Memorias de columnas		



D-8 Norma: NSR-10 DMO
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 494.4 Kg Cuantía= 245.7 kg/m3



G-8 Norma: NSR-10 DMO
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 499.6 Kg Cuantía= 248.3 kg/m3



H-8 Norma: NSR-10 DMO
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3



Nombre Principal	
Nombre Auxiliar	Dirección
Propietario	Diseño Arquitectónico
DC-CAD3 Licenciado a:	Contenido
Norma	Código Nimbus
NSR-10 DMO	
Memorias de columnas	

H-8

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=2.9Ton (U7Min) Sec= 9.9Ton (U8Max) V. plástico Ppal=12 Sec=12Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.72 P=20.5 Mppal=-3.3 Msec=-17.4T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.77 P=16.8 Mppal=1.8 Msec=18.1T m Relación Mínima Col/Vig=1.3(Viga:H)
		V. Max Ppal=6.5Ton (U7Min) Sec= 8.7Ton (U8Max) V. plástico Ppal=14 Sec=14Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.44 P=48.1 Mppal=-3.1 Msec=-12.3T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.81 P=22.6 Mppal=18.6 Msec=8.2T m Relación Mínima Col/Vig=2.0(Viga:H)

A-6

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 457.4 Kg Cuantía= 227.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=5.1Ton (U7Min) Sec= 11.6Ton (U8Min) V. plástico Ppal=15 Sec=15Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.09 Eficiencia zona superior = 0.72 P=27.7 Mppal=5.6 Msec=18.4T m Cuantía zona inferior =1.36 Eficiencia zona inferior = 0.74 P=35.1 Mppal=-5.7 Msec=-23.0T m Relación Mínima Col/Vig=5(Viga:A)
		V. Max Ppal=6.7Ton (U7Min) Sec= 10.5Ton (U8Min) V. plástico Ppal=19 Sec=19Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.36 Eficiencia zona superior = 0.25 P=68.8 Mppal=1.5 Msec=8.9T m Cuantía zona inferior =1.36 Eficiencia zona inferior = 0.84 P=50.5 Mppal=-8.2 Msec=-27.4T m Relación Mínima Col/Vig=9(Viga:A)

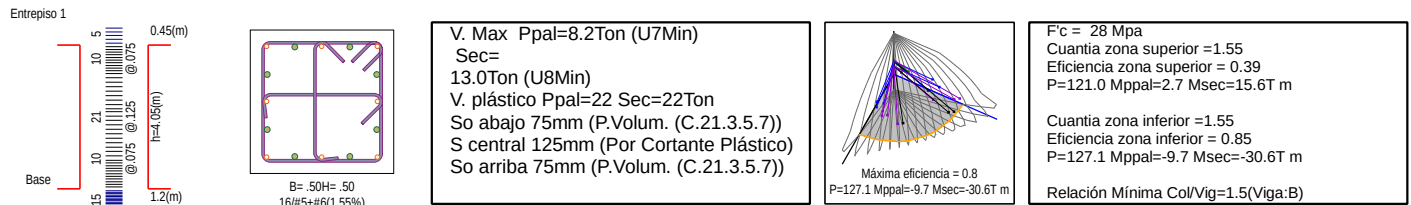
B-6

Norma: NSR-10 DMO

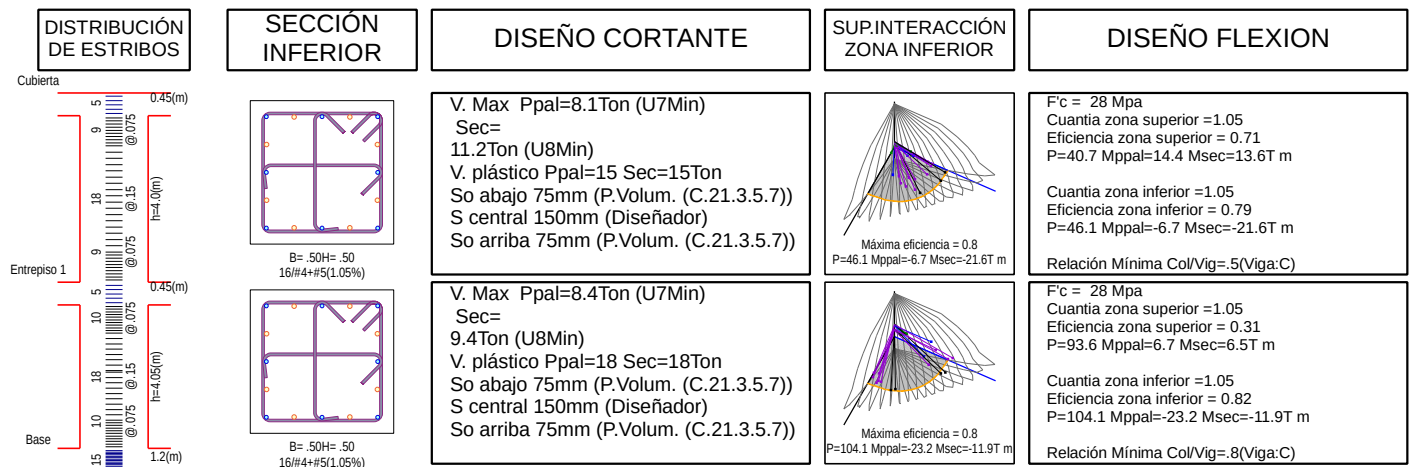
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 499.6 Kg Cuantía= 248.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=7.4Ton (U7Min) Sec= 14.5Ton (U8Min) V. plástico Ppal=19 Sec=19Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))		F'c = 28 Mpa Cuantía zona superior =1.55 Eficiencia zona superior = 0.61 P=49.3 Mppal=6.0 Msec=21.2T m Cuantía zona inferior =1.55 Eficiencia zona inferior = 0.85 P=55.0 Mppal=-7.0 Msec=-30.5T m Relación Mínima Col/Vig=6(Viga:B)

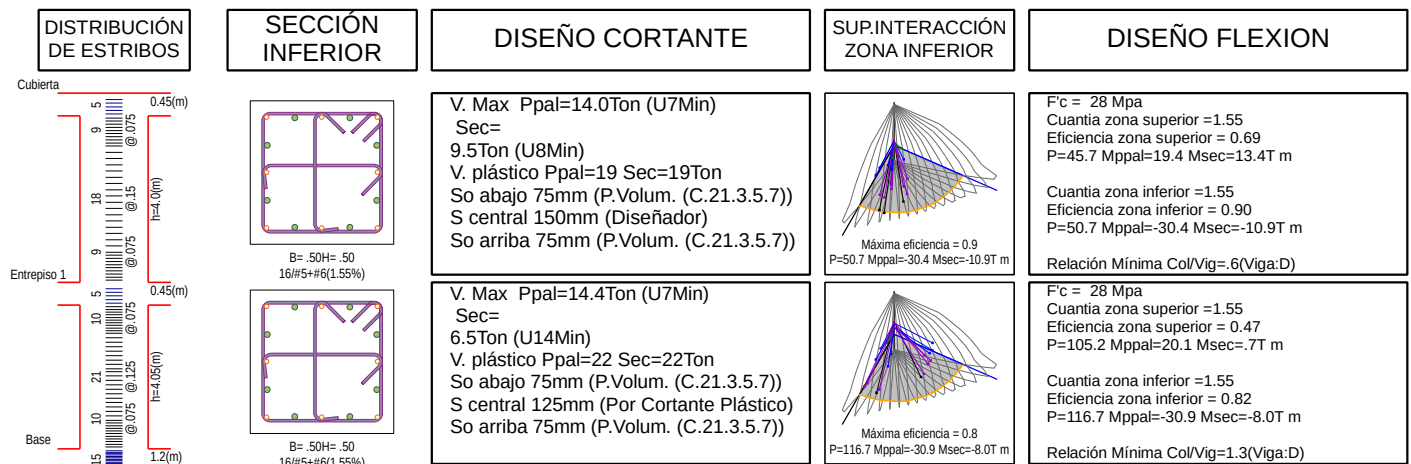
Nombre Principal		
Nombre Auxiliar		Dirección
Propietario		Diseño Arquitectónico
DC-CAD3 Licenciado a:		Contenido
Norma	NSR-10 DMO	Código Nimbus
Memorias de columnas		



C-6 Norma: NSR-10 DMO
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3



D-6 Norma: NSR-10 DMO
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 499.6 Kg Cuantía= 248.3 kg/m3



G-6 Norma: NSR-10 DMO
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 433.9 Kg Cuantía= 215.6 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
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Nombre Principal		
Nombre Auxiliar	Dirección	
Propietario	Diseño Arquitectónico	
DC-CAD3 Licenciado a:	Contenido	Memorias de columnas
Norma	Código Nimbus	
NSR-10 DMO		

G-6

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 433.9 Kg Cuantía= 215.6 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .50H= .50 20/#4+#5(1.26%)	V. Max Ppal=10.0Ton (U7Max) Sec= 13.9Ton (U8Min) V. plástico Ppal=18 Sec=18Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=60.8 Mppal=11.7 Msec=-24.9T m	F'c = 28 Mpa Cuantía zona superior =1.26 Eficiencia zona superior = 0.72 P=59.3 Mppal=-3.9 Msec=23.9T m Cuantía zona inferior =1.26 Eficiencia zona inferior = 0.85 P=60.8 Mppal=11.7 Msec=-24.9T m Relación Mínima Col/Vig=.9(Viga:G)
	B= .50H= .50 20/#4+#5(1.26%)	V. Max Ppal=12.1Ton (U7Max) Sec= 9.6Ton (U8Min) V. plástico Ppal=21 Sec=21Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 125mm (Por Cortante Plástico) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.7 P=141.9 Mppal=24.9 Msec=-3.5T m	F'c = 28 Mpa Cuantía zona superior =1.26 Eficiencia zona superior = 0.49 P=140.7 Mppal=-11.2 Msec=10.9T m Cuantía zona inferior =1.26 Eficiencia zona inferior = 0.66 P=141.9 Mppal=24.9 Msec=-3.5T m Relación Mínima Col/Vig=1.3(Viga:G)

H-6

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=2.9Ton (U7Min) Sec= 9.2Ton (U8Min) V. plástico Ppal=14 Sec=14Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.6 P=32.7 Mppal=3.1 Msec=-16.8T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.61 P=30.7 Mppal=1.7 Msec=15.9T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.65 P=32.7 Mppal=-3.1 Msec=-16.8T m Relación Mínima Col/Vig=.9(Viga:H)
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=6.5Ton (U7Min) Sec= 8.2Ton (U8Min) V. plástico Ppal=17 Sec=17Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=49.8 Mppal=-20.0 Msec=-9.1T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.26 P=71.8 Mppal=1.1 Msec=8.4T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.76 P=49.8 Mppal=-20.0 Msec=-9.1T m Relación Mínima Col/Vig=1.2(Viga:H)

A-4

Norma: NSR-10 DMO

Volumen sin nudos= 0.4 m3 Peso del refuerzo= 113.1 Kg Cuantía= 314.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .30H= .30 8/#4+#5(1.46%)	V. Max Ppal=2.4Ton (U7Min) Sec= 2.8Ton (U8Min) V. plástico Ppal=4 Sec=4Ton So abajo 50mm (Diseñador) S central 100mm (2 veces separación lo (C.21.3.5.11)) So arriba 50mm (Diseñador)	Máxima eficiencia = 0.9 P=37.3 Mppal=-2.3 Msec=-5.7T m	F'c = 28 Mpa Cuantía zona superior =1.46 Eficiencia zona superior = 0.69 P=33.1 Mppal=1.9 Msec=4.2T m Cuantía zona inferior =1.46 Eficiencia zona inferior = 0.92 P=37.3 Mppal=-2.3 Msec=-5.7T m Relación Mínima Col/Vig=.2(Viga:A)

B-4

Norma: NSR-10 DMO

Volumen sin nudos= 0.6 m3 Peso del refuerzo= 230.5 Kg Cuantía= 360.2 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
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Nombre Principal		
Nombre Auxiliar		Dirección
Propietario		Diseño Arquitectónico
DC-CAD3 Licenciado a:		Contenido
Norma	NSR-10 DMO	Código Nimbus
Memorias de columnas		

B-4

Norma: NSR-10 DMO

Volumen sin nudos= 0.6 m3 Peso del refuerzo= 230.5 Kg Cuantía= 360.2 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .40H= .40 16/#5(1.99%)	V. Max Ppal=4.6Ton (U13Max) Sec= 7.5Ton (U8Min) V. plástico Ppal=11 Sec=11Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=40.6 Mppal=-4.7 Msec=-15.8T m	F'c = 28 Mpa Cuantía zona superior =1.99 Eficiencia zona superior = 0.48 P=19.7 Mppal=1.4 Msec=9.7T m Cuantía zona inferior =1.99 Eficiencia zona inferior = 0.81 P=40.6 Mppal=-4.7 Msec=-15.8T m Relación Mínima Col/Vig=.6(Viga:B)

G-4

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=11.3Ton (U7Max) Sec= 10.8Ton (U8Min) V. plástico Ppal=15 Sec=14Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=43.0 Mppal=11.2 Msec=-20.8T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.70 P=44.1 Mppal=-19.0 Msec=5.6T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.84 P=43.0 Mppal=11.2 Msec=-20.8T m Relación Mínima Col/Vig=.8(Viga:4)
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=10.3Ton (U7Max) Sec= 9.6Ton (U8Min) V. plástico Ppal=18 Sec=18Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=57.5 Mppal=22.2 Msec=-4.7T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.42 P=98.7 Mppal=-7.3 Msec=-10.8T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.75 P=57.5 Mppal=22.2 Msec=-4.7T m Relación Mínima Col/Vig=1.3(Viga:G)

H-4

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=4.4Ton (U7Min) Sec= 7.8Ton (U8Min) V. plástico Ppal=13 Sec=13Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.6 P=25.8 Mppal=-4.2 Msec=-14.3T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.56 P=23.1 Mppal=3.6 Msec=13.5T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.59 P=25.8 Mppal=-4.2 Msec=-14.3T m Relación Mínima Col/Vig=1.0(Viga:H)
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=7.1Ton (U7Min) Sec= 7.7Ton (U8Min) V. plástico Ppal=16 Sec=16Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=42.0 Mppal=-21.0 Msec=-8.6T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.26 P=32.8 Mppal=1.6 Msec=6.7T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.81 P=42.0 Mppal=-21.0 Msec=-8.6T m Relación Mínima Col/Vig=1.3(Viga:H)

A-2

Norma: NSR-10 DMO

Volumen sin nudos= 0.4 m3 Peso del refuerzo= 137.0 Kg Cuantía= 380.5 kg/m3

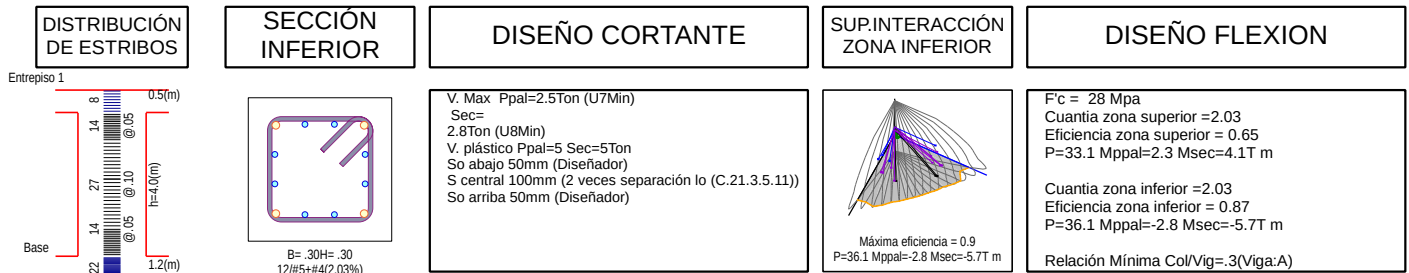
DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
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Nombre Principal				
Nombre Auxiliar		Dirección		
Propietario		Diseño Arquitectónico		
DC-CAD3 Licenciado a:		Contenido		Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus		

A-2

Norma: NSR-10 DMO

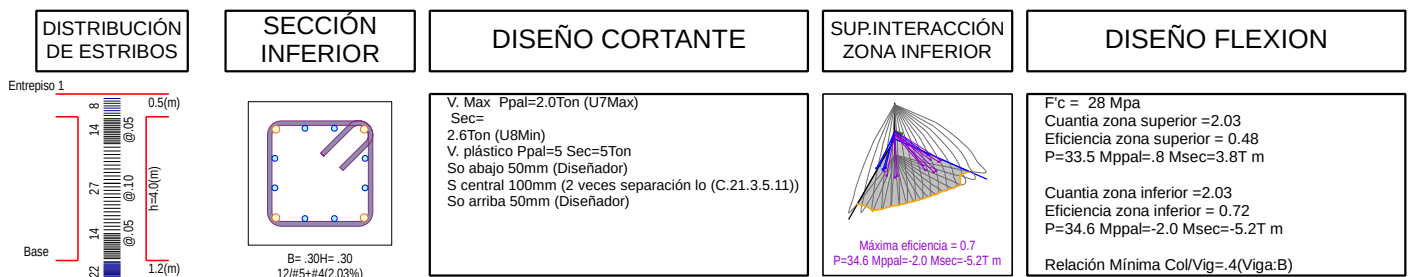
Volumen sin nudos= 0.4 m3 Peso del refuerzo= 137.0 Kg Cuantía= 380.5 kg/m3



B-2

Norma: NSR-10 DMO

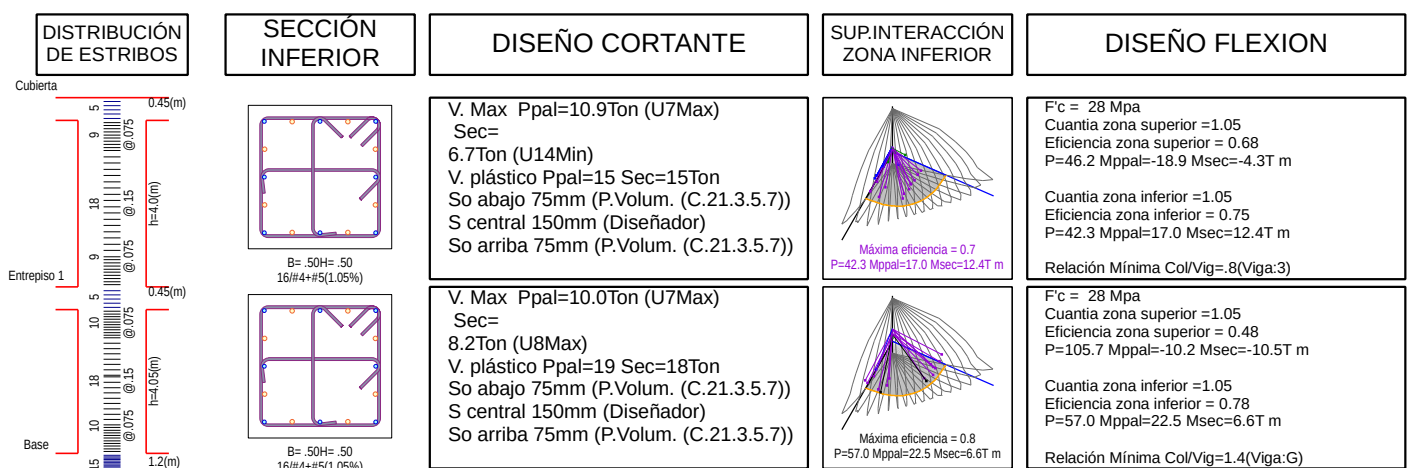
Volumen sin nudos= 0.4 m3 Peso del refuerzo= 137.0 Kg Cuantía= 380.5 kg/m3



G-3

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3



H-3

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3



Nombre Principal	
Nombre Auxiliar	Dirección
Propietario	Diseño Arquitectónico
DC-CAD3 Licenciado a:	Contenido
Norma	Código Nimbus
NSR-10 DMO	
Memorias de columnas	

H-3

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 387.1 Kg Cuantía= 192.3 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=4.6Ton (U7Min) Sec= 5.1Ton (U14Min) V. plástico Ppal=13 Sec=13Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.4 P=17.7 Mppal=4.4 Msec=8.9T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.42 P=14.6 Mppal=4.1 Msec=9.2T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.41 P=17.7 Mppal=4.4 Msec=8.9T m Relación Mínima Col/Vig=1.0(Viga:H)
	B= .50H= .50 16/#4+#5(1.05%)	V. Max Ppal=7.4Ton (U7Min) Sec= 6.8Ton (U8Max) V. plástico Ppal=16 Sec=16Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=43.5 Mppal=22.0 Msec=7.6T m	F'c = 28 Mpa Cuantía zona superior =1.05 Eficiencia zona superior = 0.28 P=64.3 Mppal=3.0 Msec=7.8T m Cuantía zona inferior =1.05 Eficiencia zona inferior = 0.82 P=43.5 Mppal=22.0 Msec=7.6T m Relación Mínima Col/Vig=1.2(Viga:H)

G-1

Norma: NSR-10 DMO

Volumen sin nudos= 2.0 m3 Peso del refuerzo= 458.6 Kg Cuantía= 227.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .50H= .50 12/#6(1.36%)	V. Max Ppal=8.0Ton (U7Max) Sec= 12.3Ton (U8Min) V. plástico Ppal=16 Sec=16Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=28.5 Mppal=2.6 Msec=23.3T m	F'c = 28 Mpa Cuantía zona superior =1.36 Eficiencia zona superior = 0.66 P=24.3 Mppal=2.0 Msec=19.9T m Cuantía zona inferior =1.36 Eficiencia zona inferior = 0.75 P=28.5 Mppal=2.6 Msec=23.3T m Relación Mínima Col/Vig=9(Viga:1)
	B= .50H= .50 12/#6(1.36%)	V. Max Ppal=8.8Ton (U7Max) Sec= 9.9Ton (U8Min) V. plástico Ppal=18 Sec=18Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.8 P=68.8 Mppal=12.2 Msec=23.5T m	F'c = 28 Mpa Cuantía zona superior =1.36 Eficiencia zona superior = 0.33 P=55.5 Mppal=2.1 Msec=11.5T m Cuantía zona inferior =1.36 Eficiencia zona inferior = 0.78 P=68.8 Mppal=12.2 Msec=23.5T m Relación Mínima Col/Vig=1.9(Viga:1)

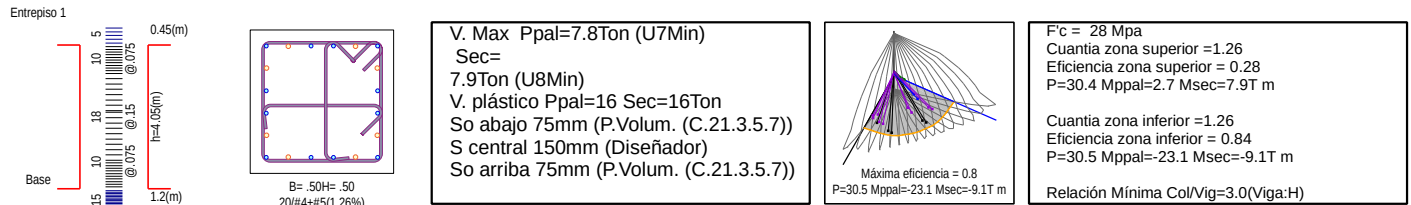
H-1

Norma: NSR-10 DMO

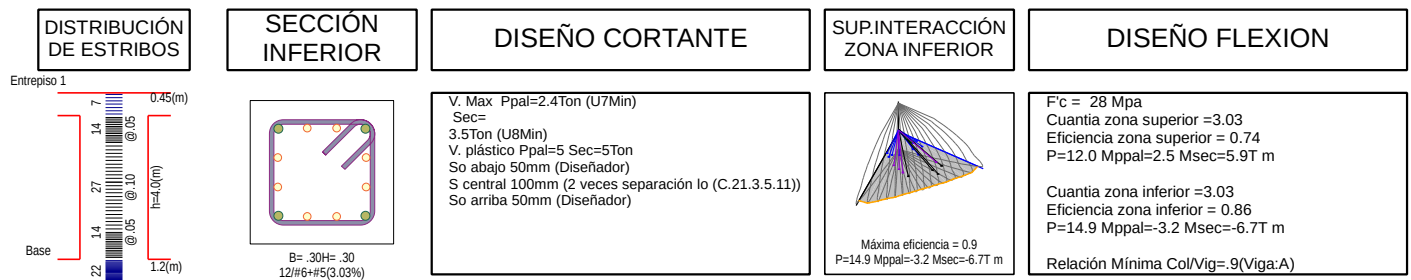
Volumen sin nudos= 2.0 m3 Peso del refuerzo= 428.6 Kg Cuantía= 213.0 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	B= .50H= .50 20/#4+#5(1.26%)	V. Max Ppal=4.8Ton (U13Max) Sec= 8.4Ton (U8Min) V. plástico Ppal=14 Sec=14Ton So abajo 75mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 75mm (P.Volum. (C.21.3.5.7))	Máxima eficiencia = 0.6 P=19.1 Mppal=5.6 Msec=15.8T m	F'c = 28 Mpa Cuantía zona superior =1.26 Eficiencia zona superior = 0.57 P=13.2 Mppal=5.1 Msec=14.5T m Cuantía zona inferior =1.26 Eficiencia zona inferior = 0.60 P=19.1 Mppal=5.6 Msec=15.8T m Relación Mínima Col/Vig=1.7(Viga:H)

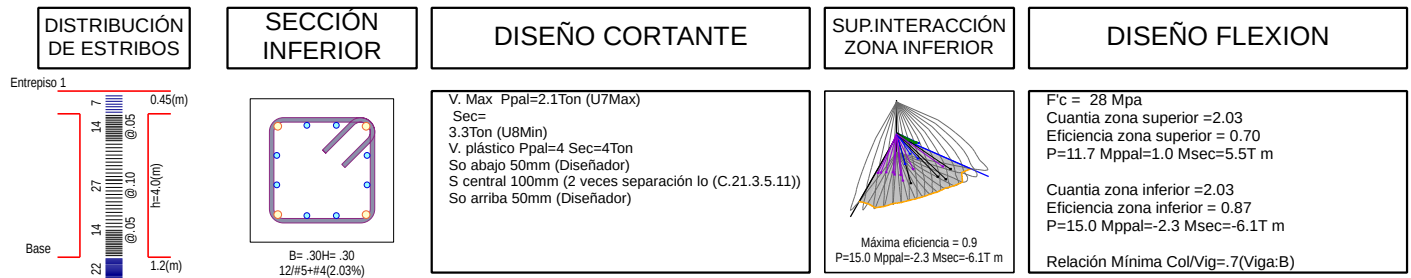
Nombre Principal		
Nombre Auxiliar	Dirección	
Propietario	Diseño Arquitectónico	
DC-CAD3 Licenciado a:	Contenido	Memorias de columnas
Norma	Código Nimbus	
NSR-10 DMO		



A-1 Norma: NSR-10 DMO
Volumen sin nudos= 0.4 m3 Peso del refuerzo= 180.9 Kg Cuantía= 502.5 kg/m3



B-1 Norma: NSR-10 DMO
Volumen sin nudos= 0.4 m3 Peso del refuerzo= 135.7 Kg Cuantía= 376.9 kg/m3

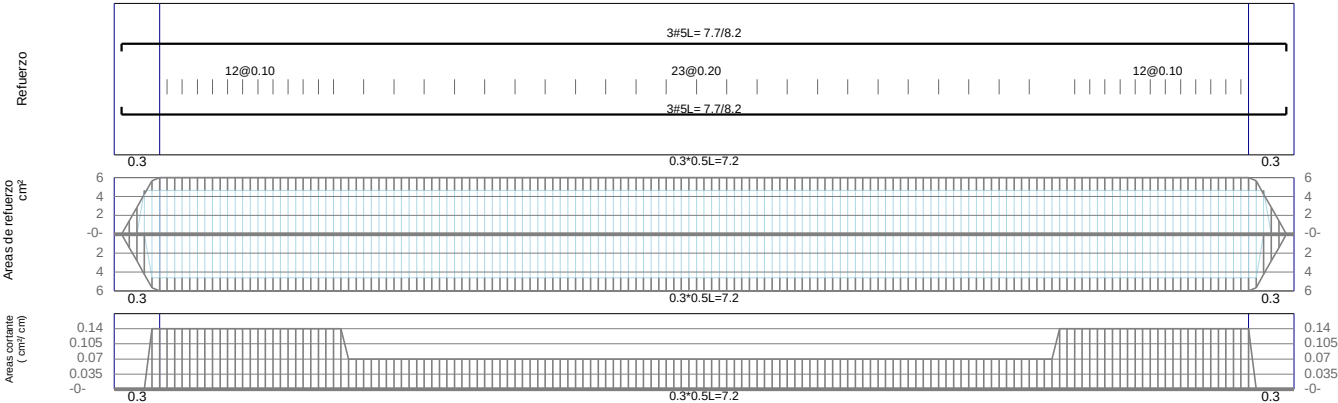


18. Diseño de Vigas aéreas

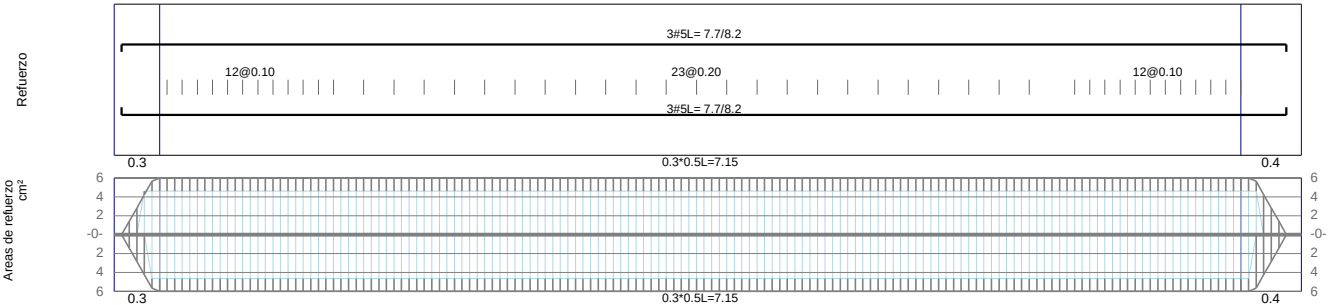
Combinaciones usadas en el grupo de diseño #1

Nº	Definición	Flexión	Cortante	Torsión
1	U1	SI	SI	
2	U2	SI	SI	
3	U3	SI	SI	
4	U4	SI	SI	
5	U5	SI	SI	
6	U6	SI	SI	
7	U7Max	SI	SI	
8	U7Min	SI	SI	
9	U8Max	SI	SI	
10	U8Min	SI	SI	
11	U9Max	SI	SI	
12	U9Min	SI	SI	
13	U10Max	SI	SI	
14	U10Min	SI	SI	
15	U11	SI	SI	
16	U12	SI	SI	
17	U13Max	SI	SI	
18	U13Min	SI	SI	
19	U14Max	SI	SI	
20	U14Min	SI	SI	
21	U15Max	SI	SI	
22	U15Min	SI	SI	
23	U16Max	SI	SI	
24	U16Min	SI	SI	

Eje 2 / Entrepiso 1



Eje 4 / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

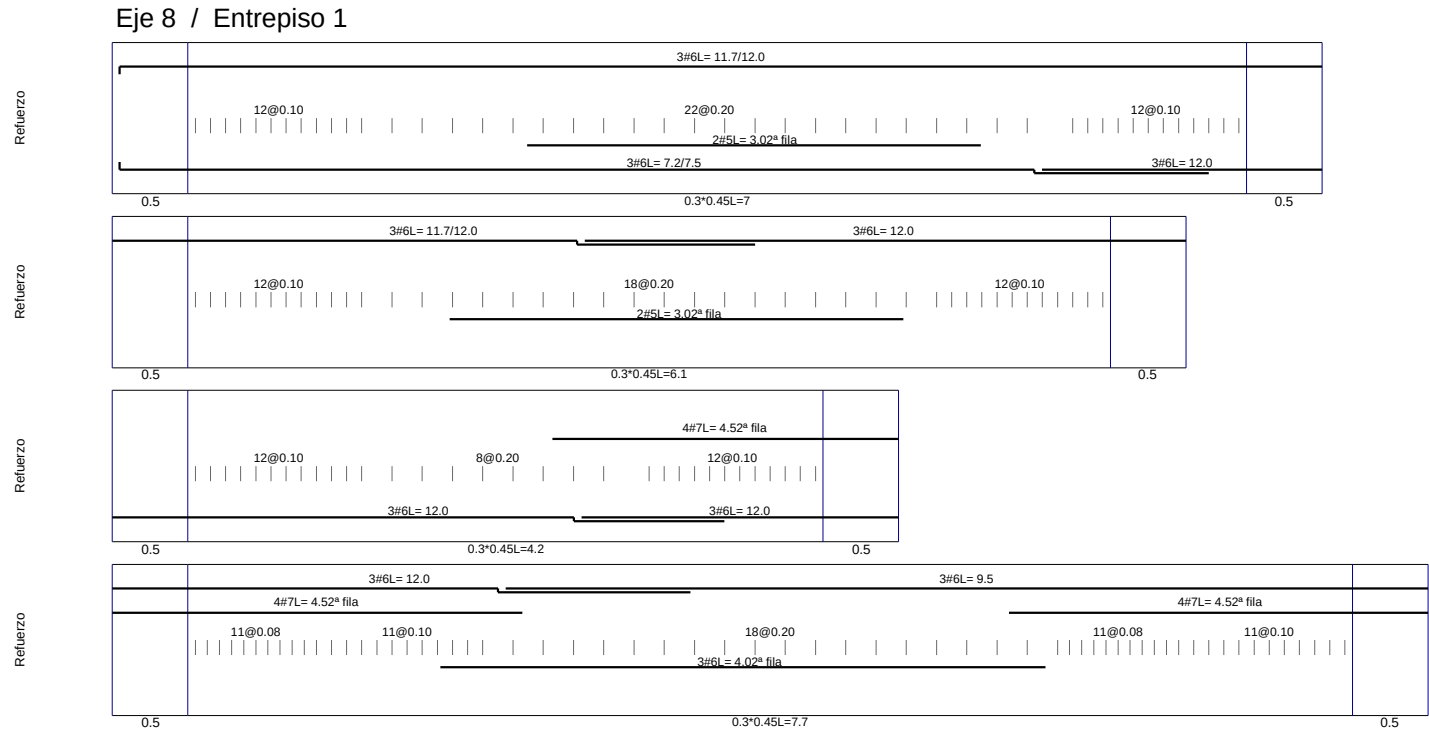
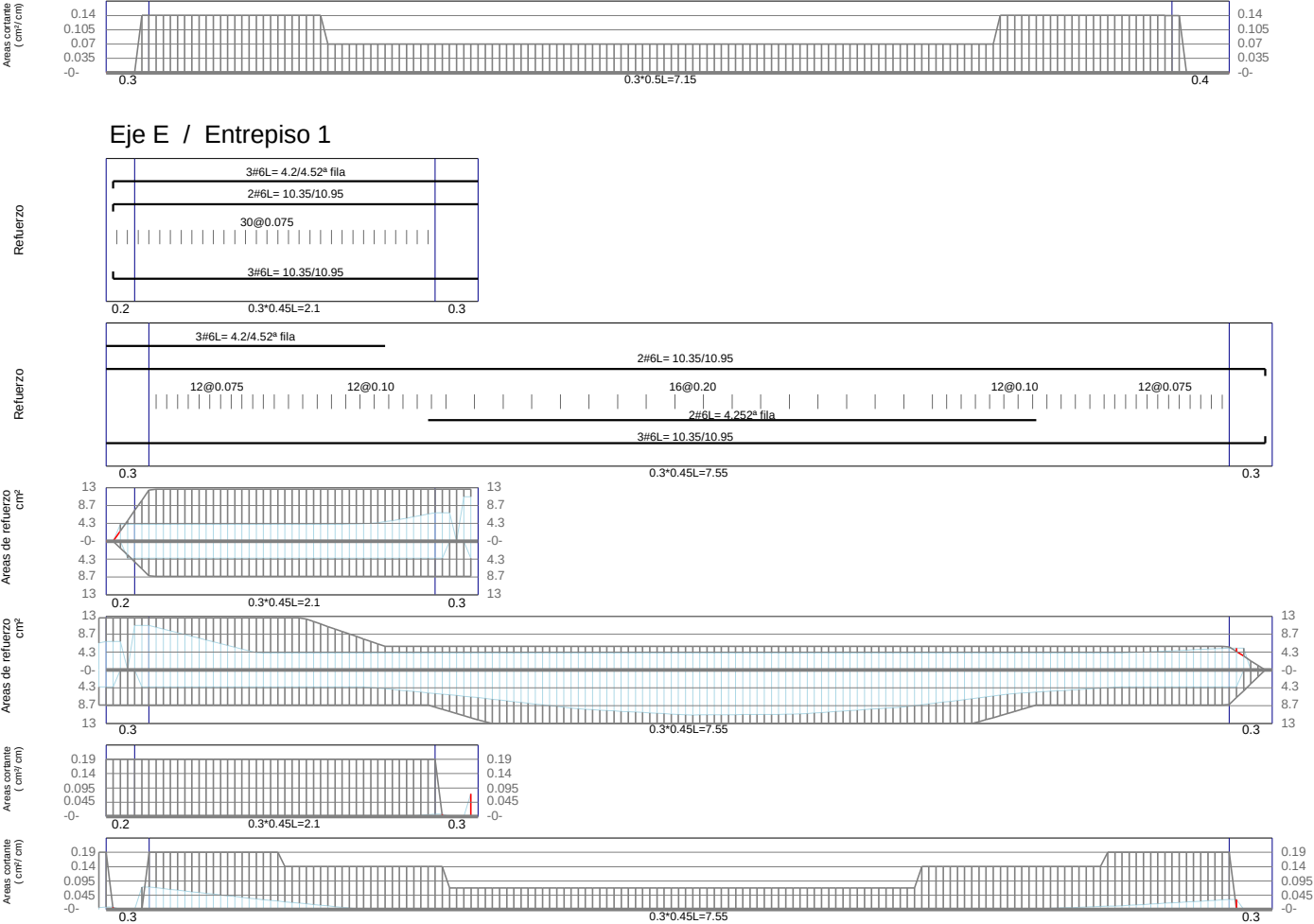
Diseño Arquitectónico

Contenido

Código Nimbus

Memorias de Vigas

NSR-10 DMO



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

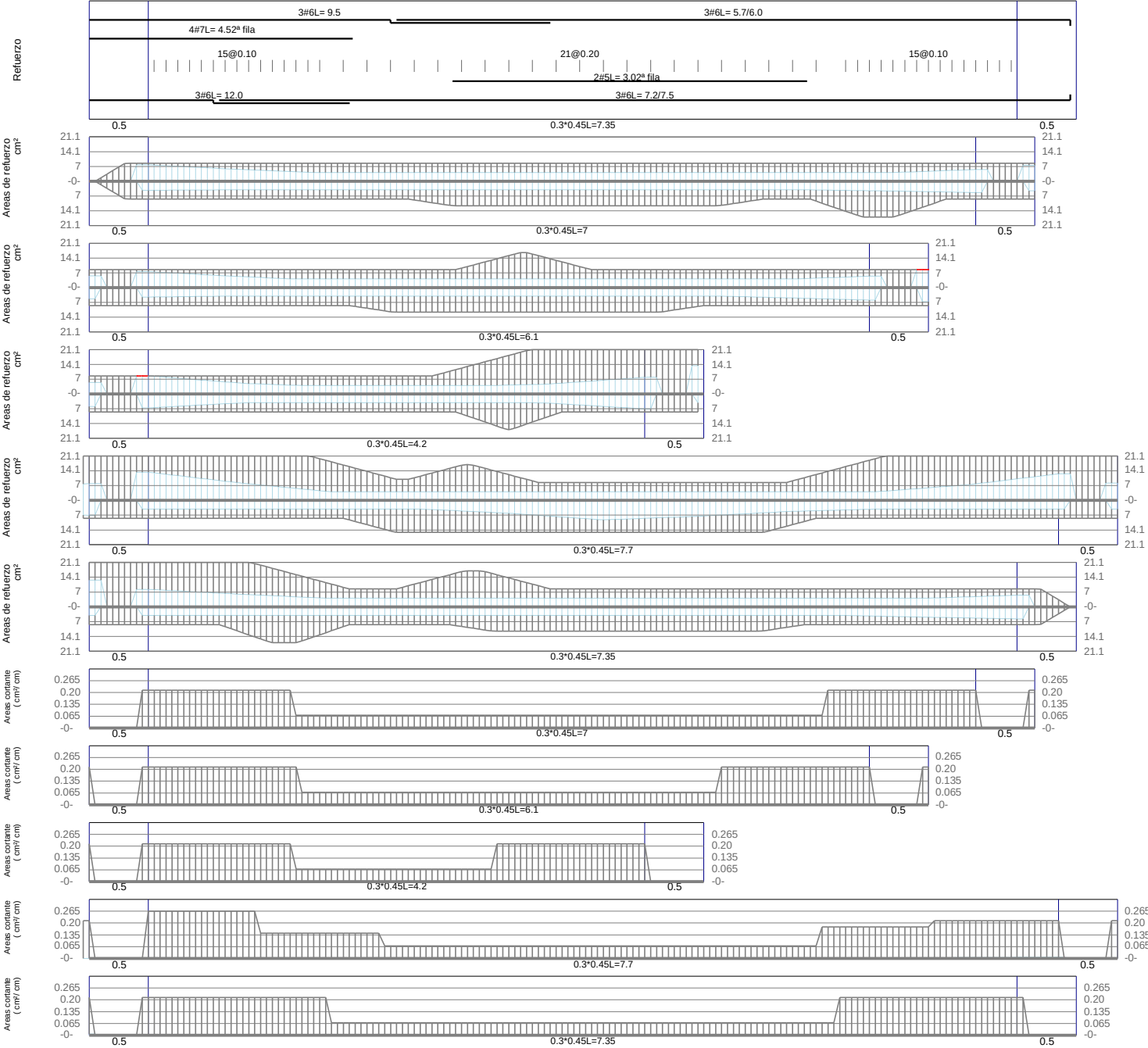
Diseño Arquitectónico

Contenido

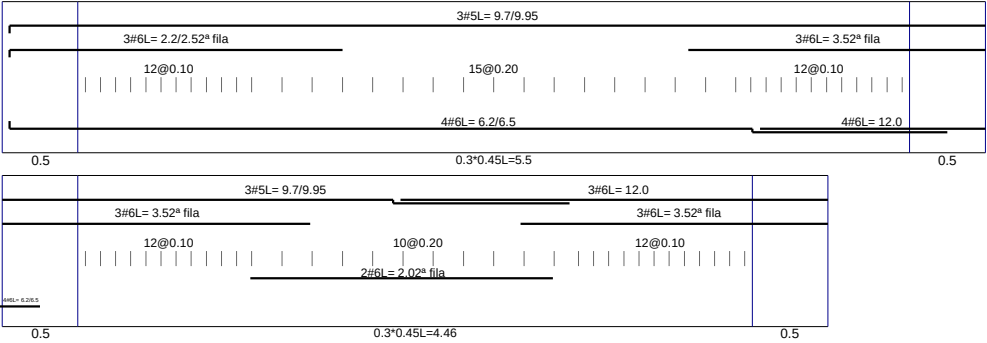
Código Nimbus

Memorias de Vigas

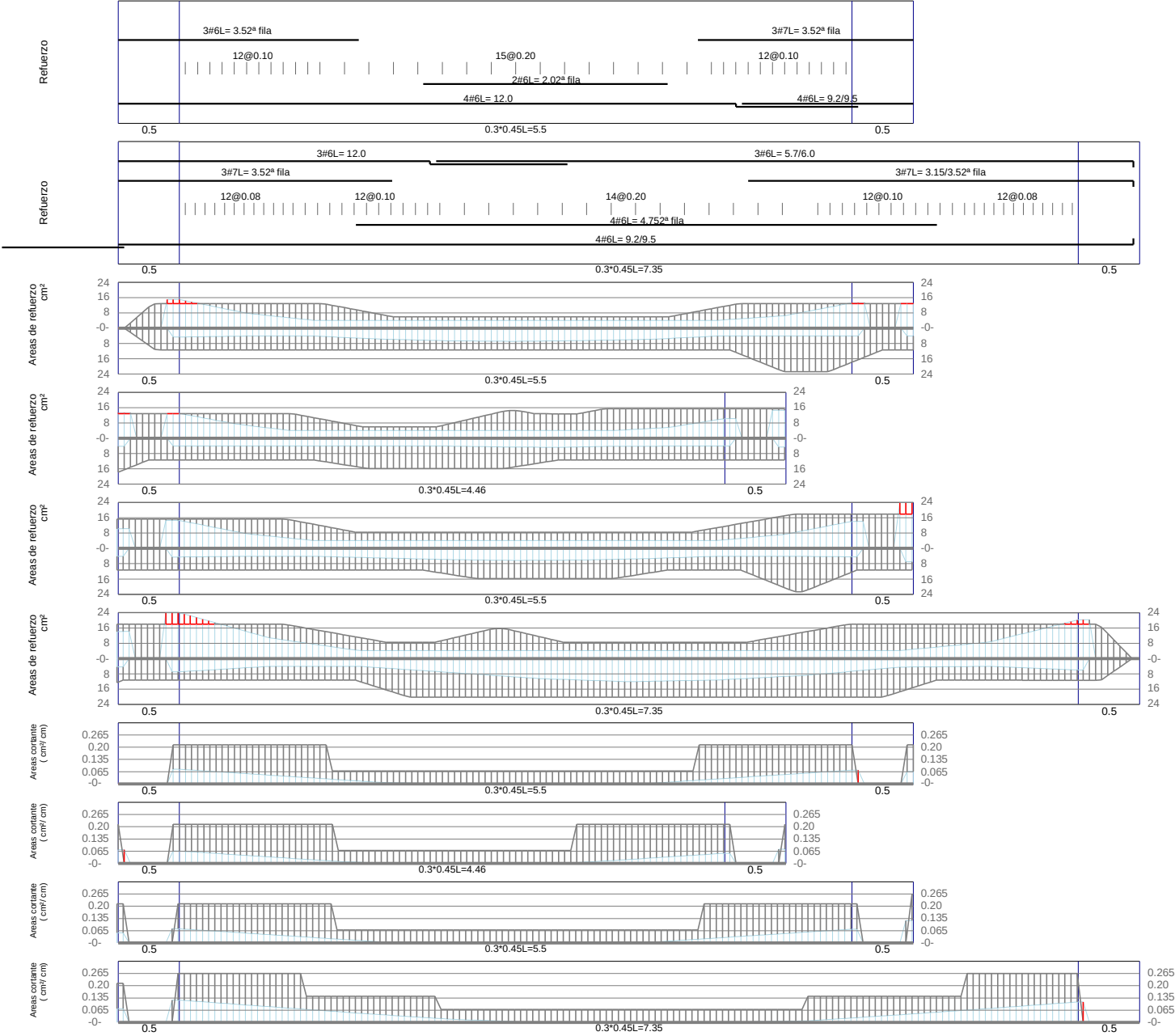
NSR-10 DMO



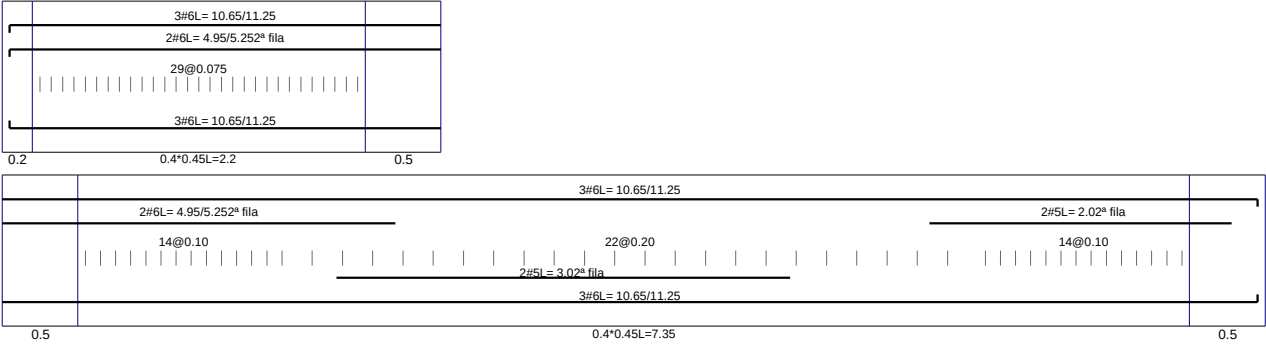
Eje H / Entrepiso 1



NSR-10 DMO



Eje 1 / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

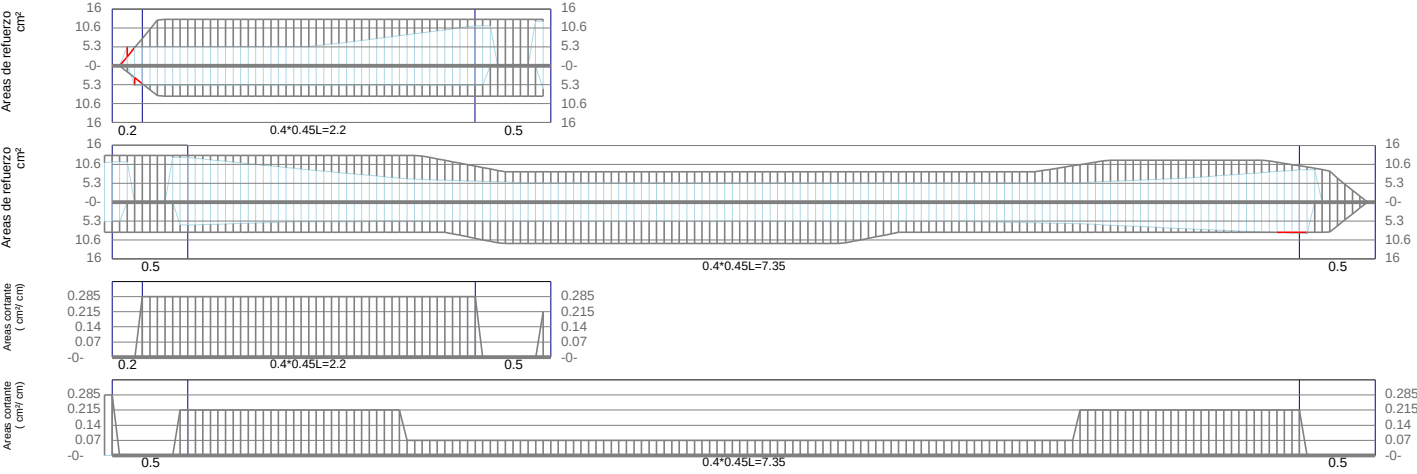
Diseño Arquitectónico

Contenido

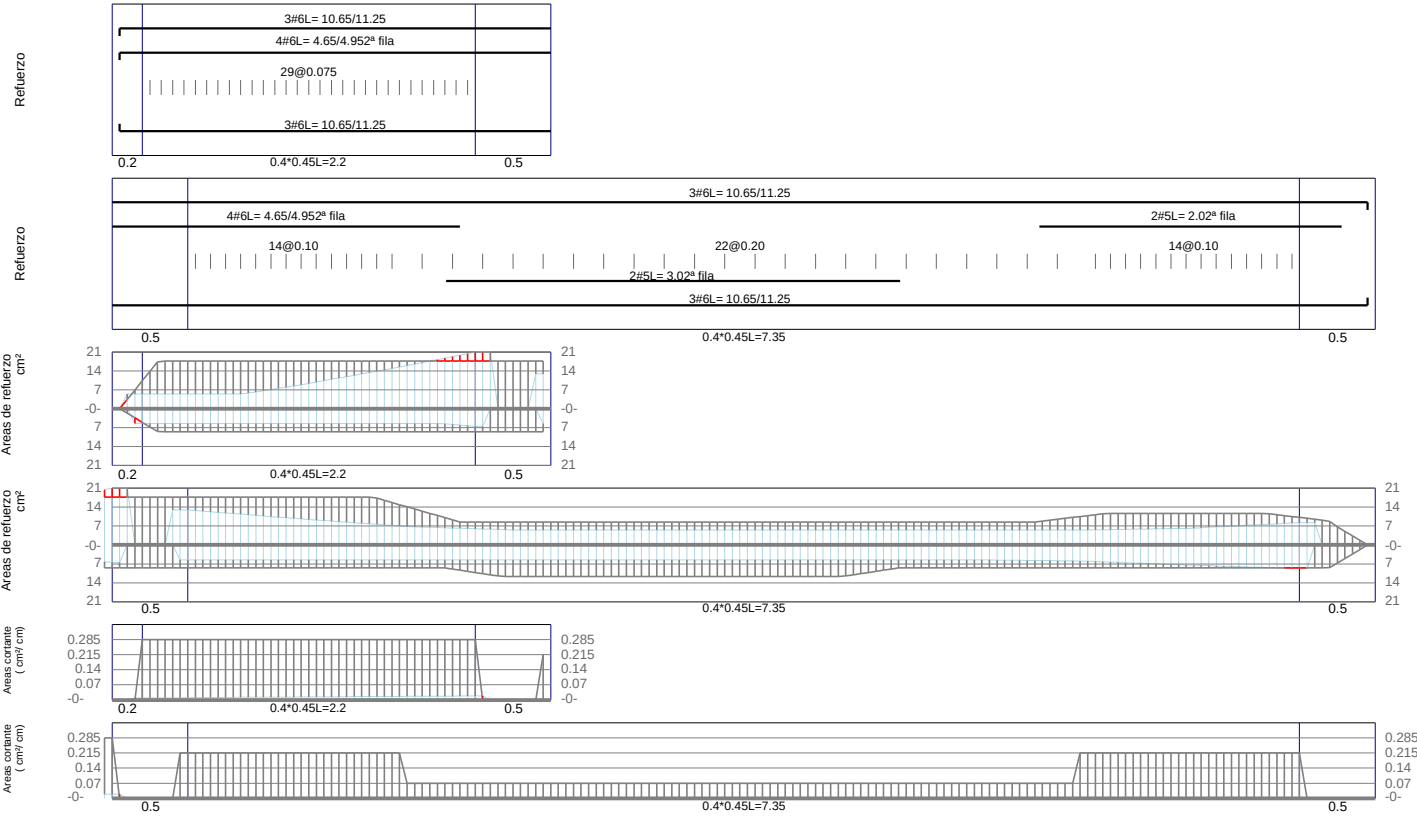
Código Nimbus

Memorias de Vigas

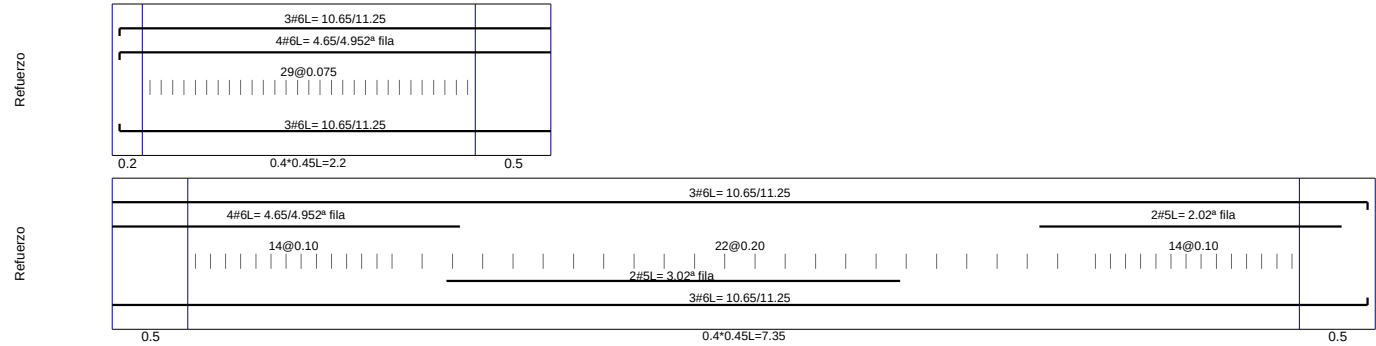
NSR-10 DMO



Eje 3 / Entrepiso 1



Eje 4(1) / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

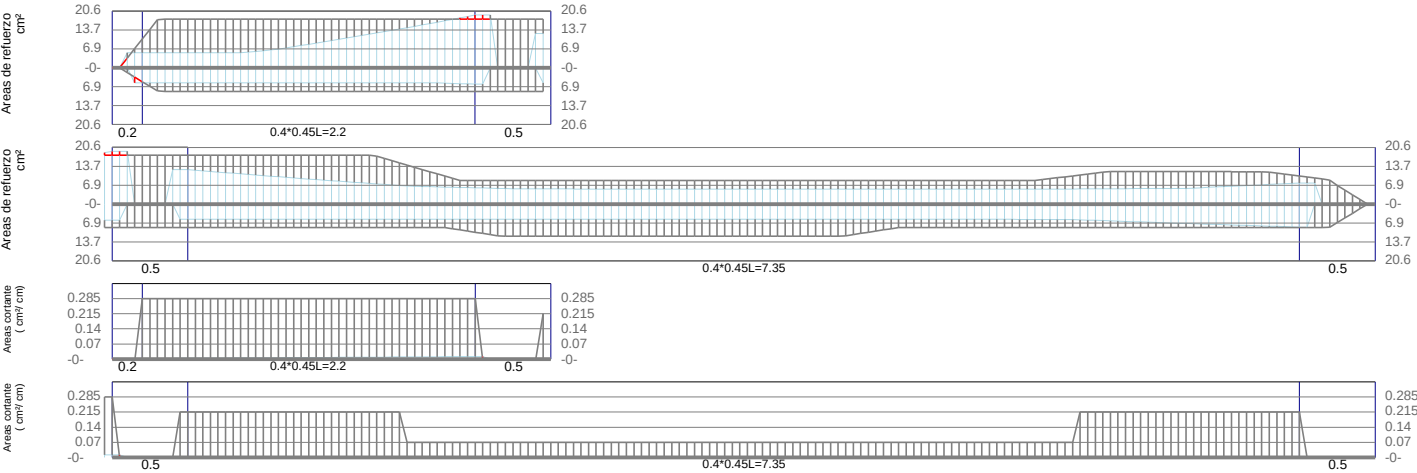
Diseño Arquitectónico

Contenido

Código Nimbus

Memorias de Vigas

NSR-10 DMO



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

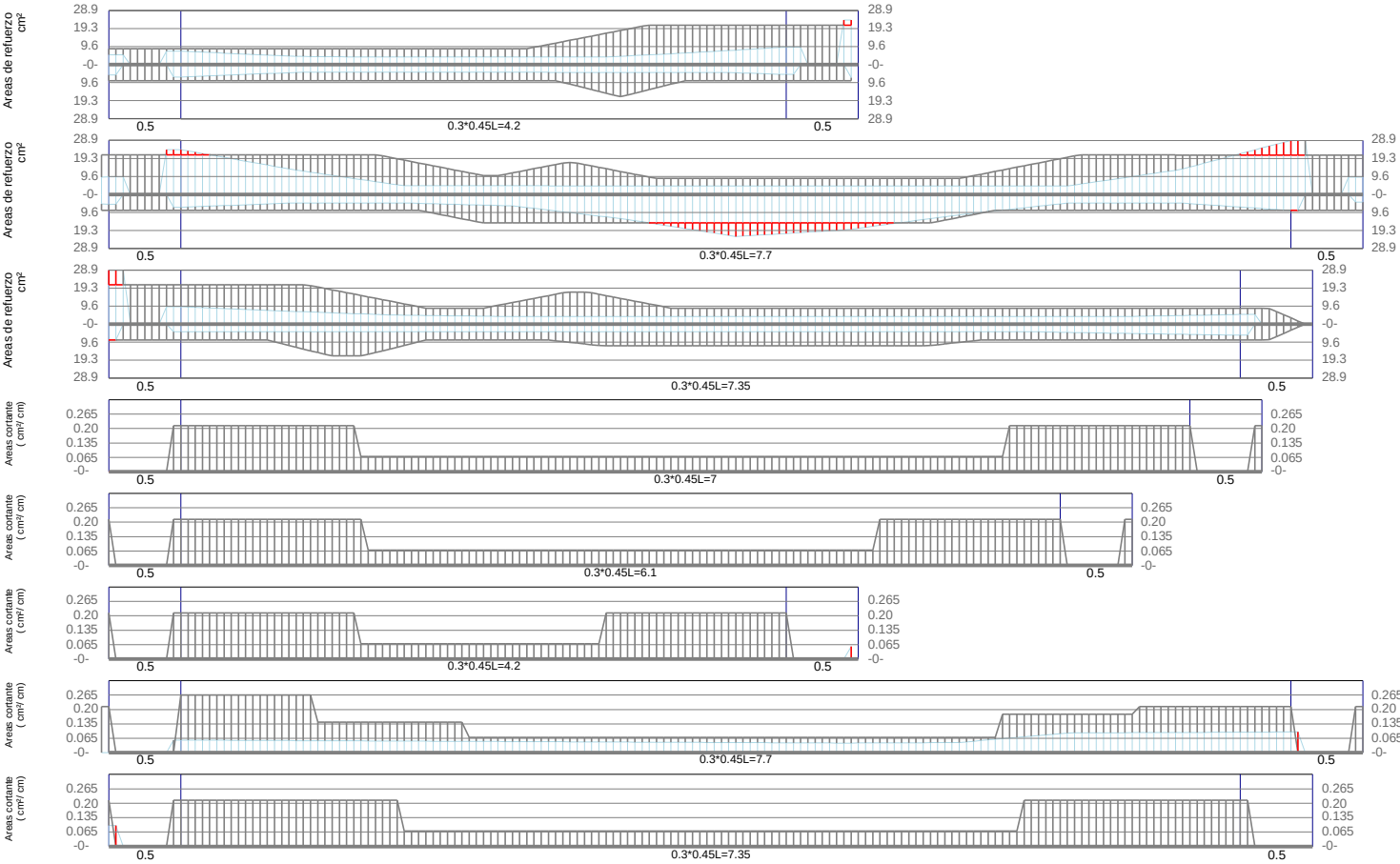
Diseño Arquitectónico

Contenido

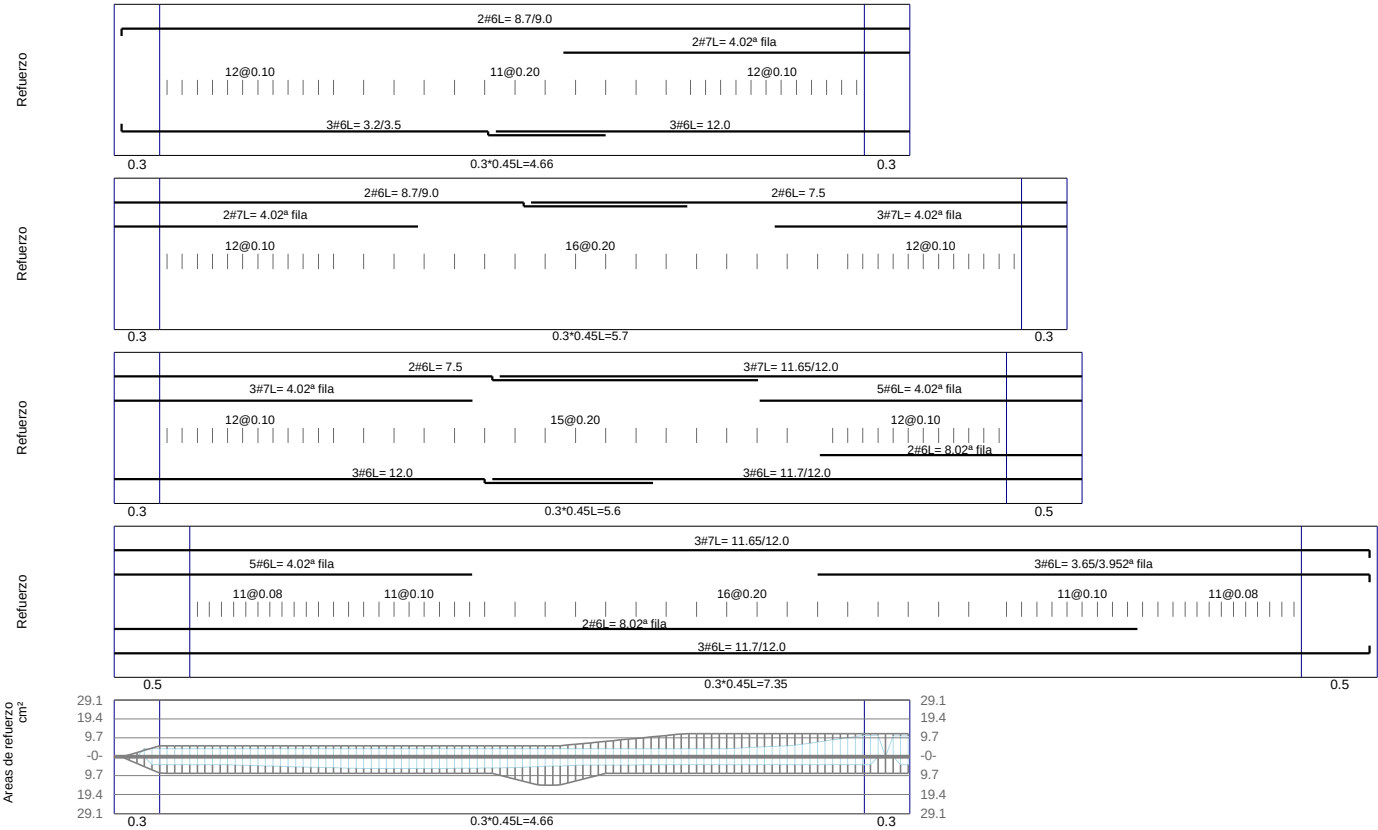
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje A / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

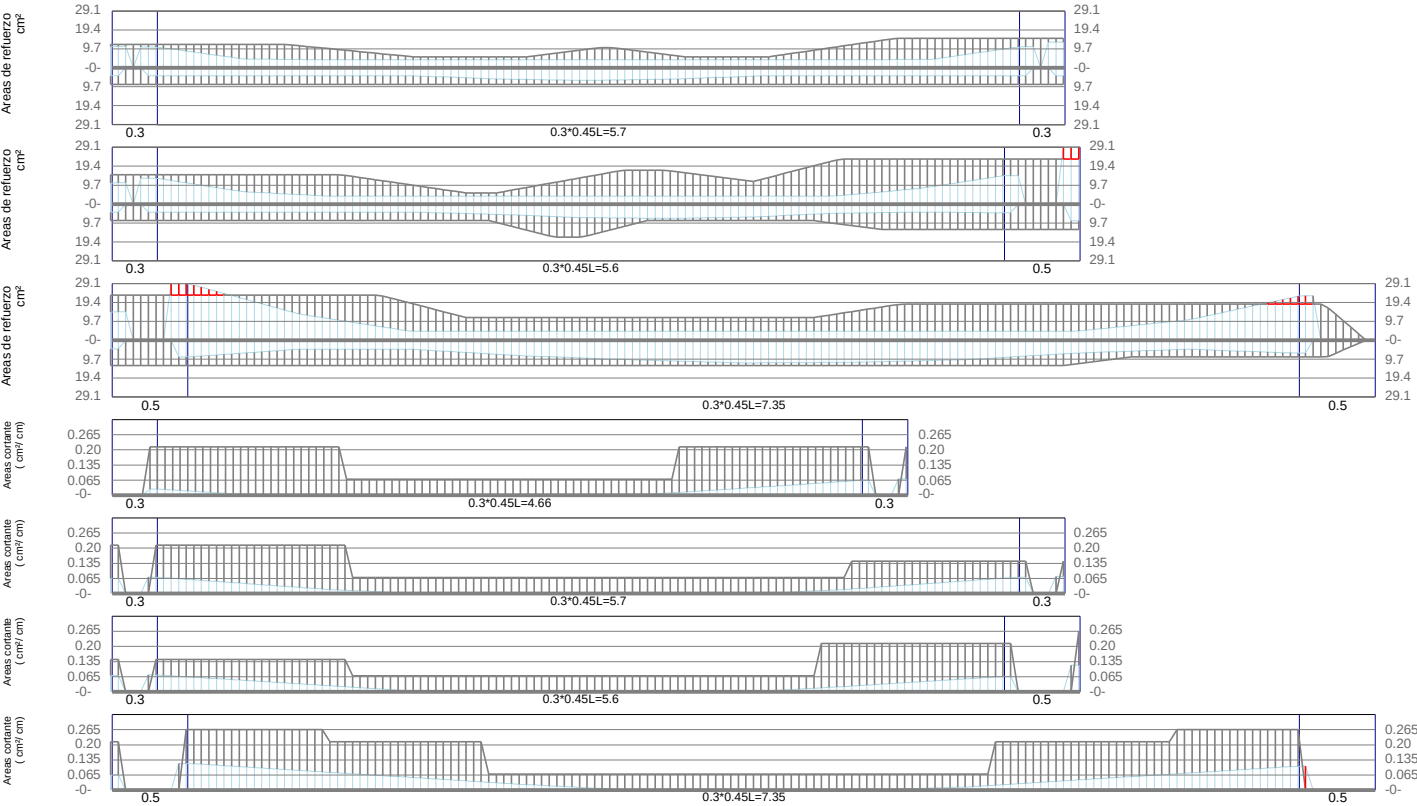
Diseño Arquitectónico

Contenido

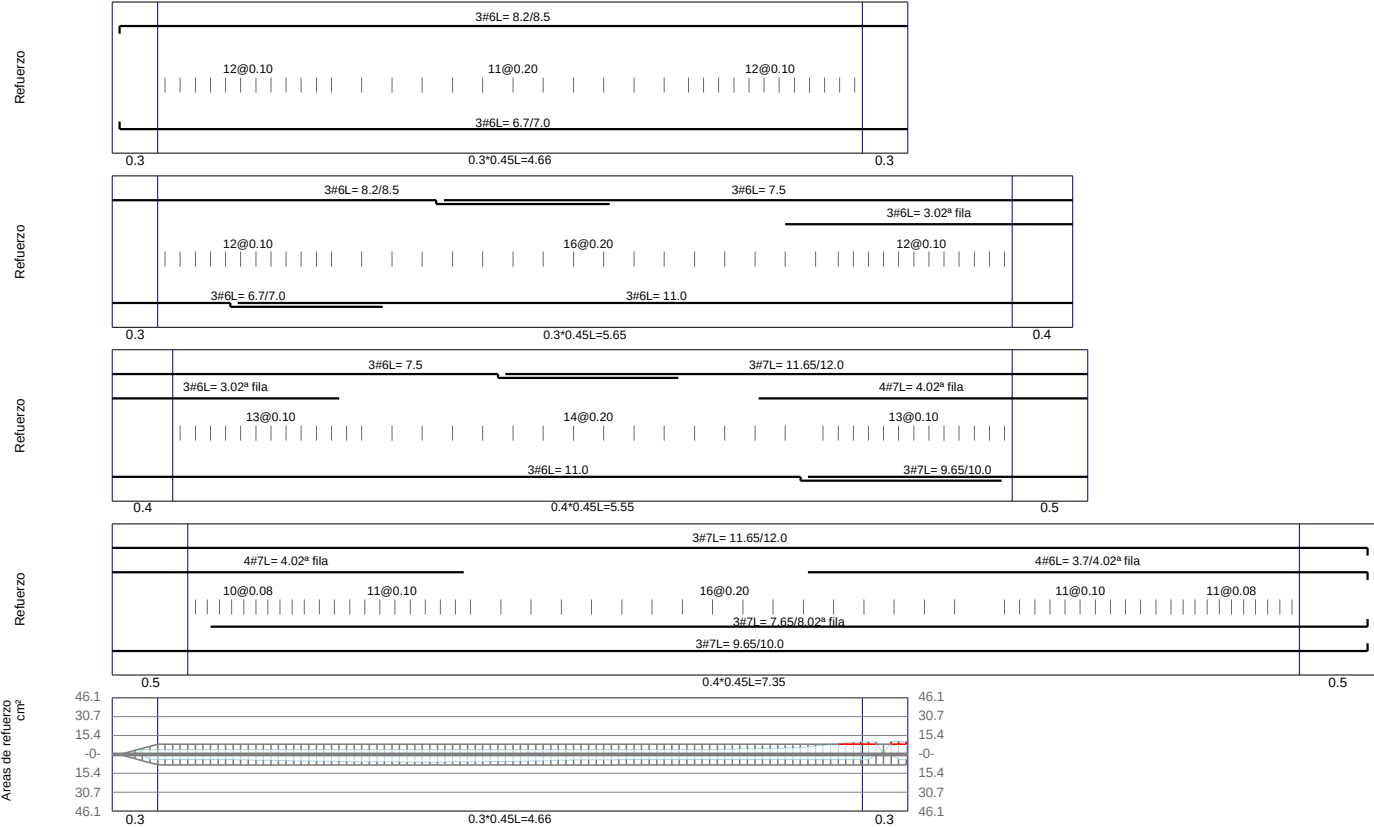
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje B / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

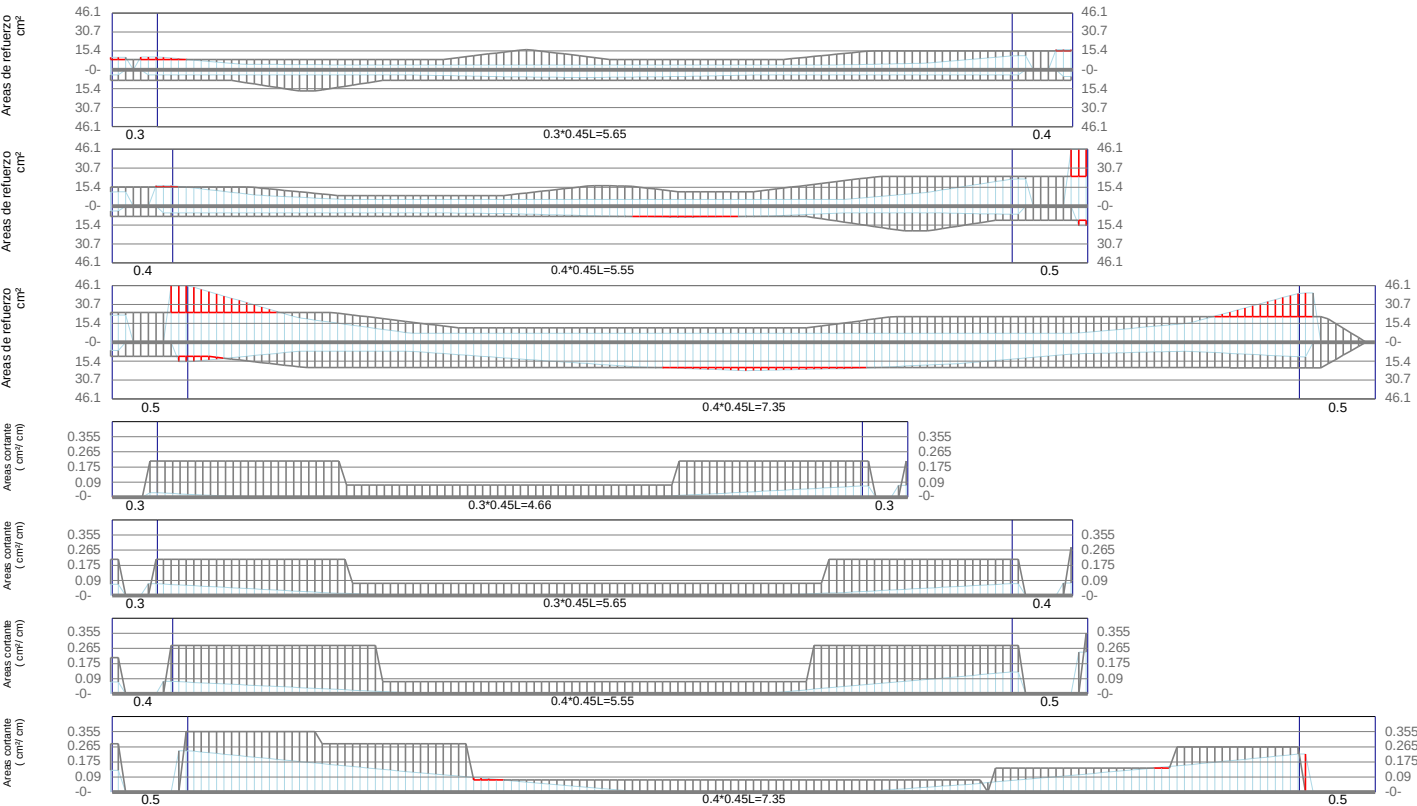
Diseño Arquitectónico

Contenido

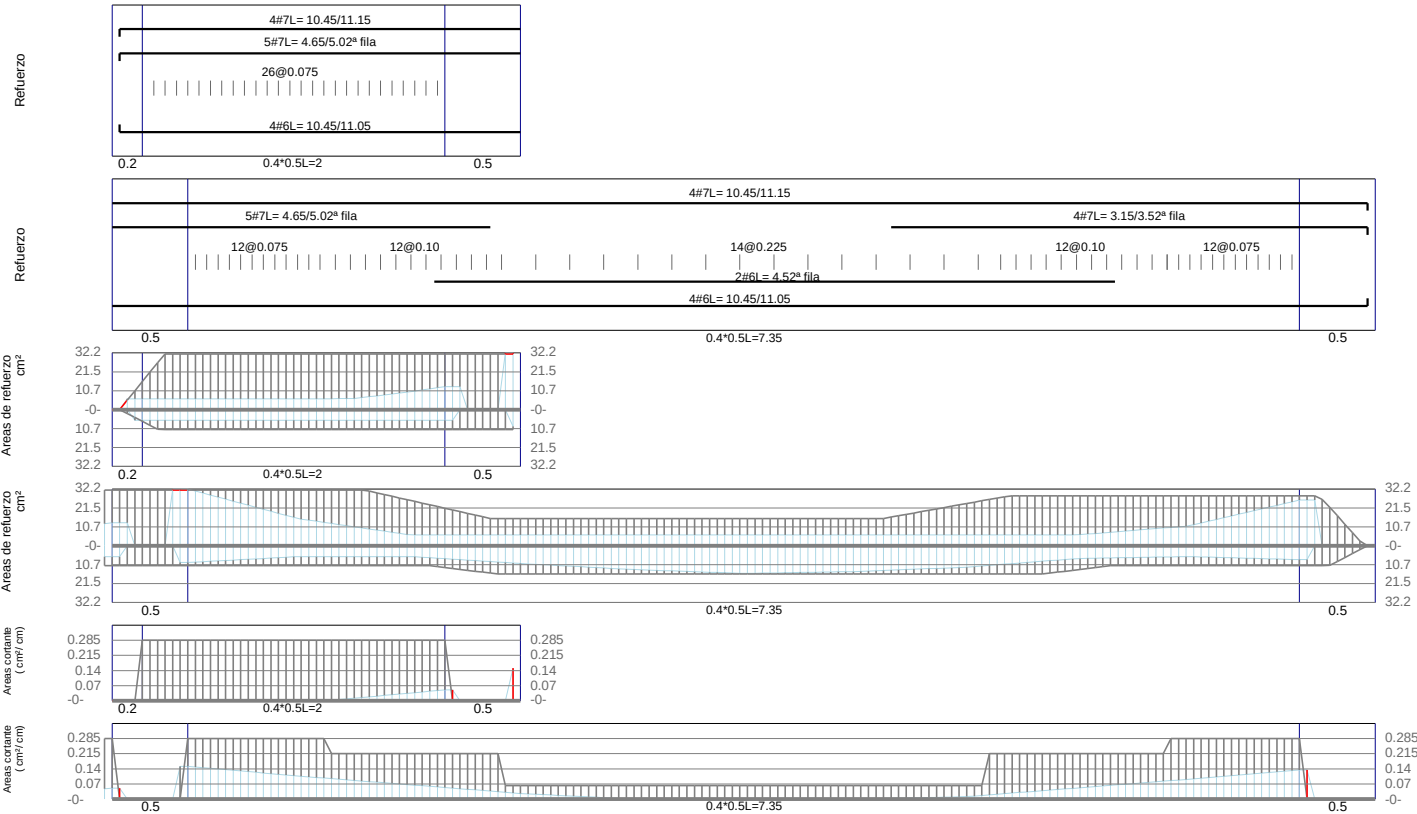
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje C / Entrepiso 1



Eje D / Entrepiso 1

Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

Diseño Arquitectónico

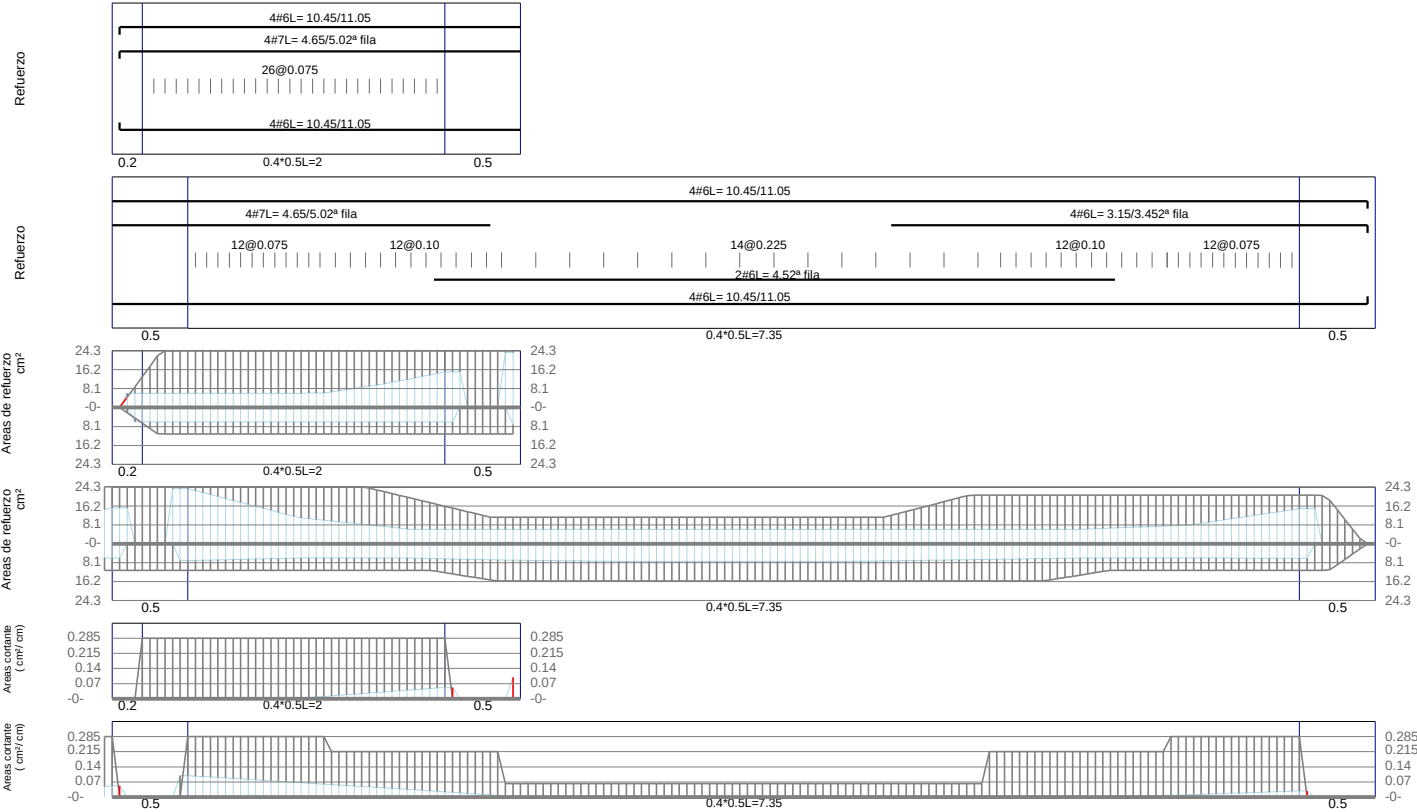
Contenido

Código Nimbus

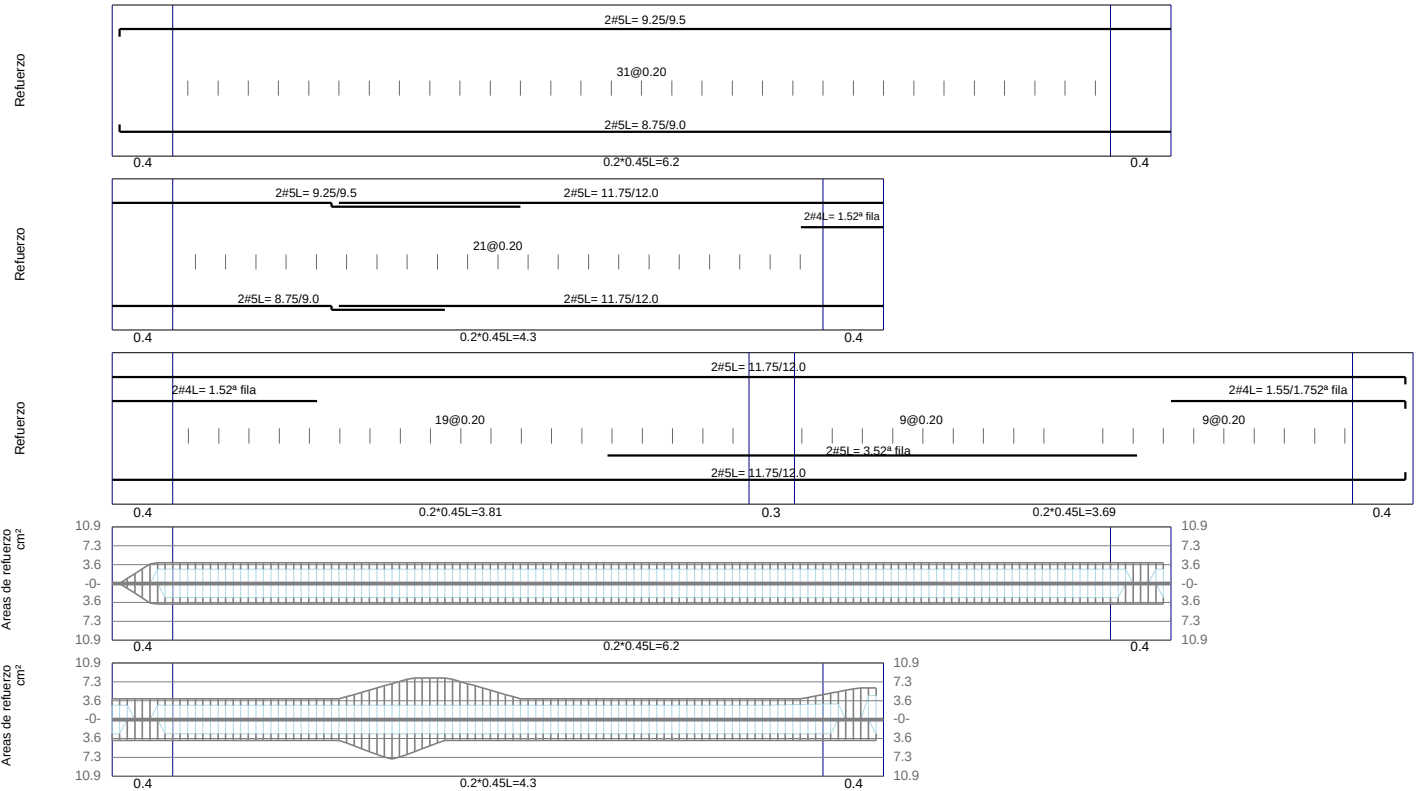
Memorias de Vigas

NSR-10 DMO

Eje D / Entrepiso 1



Eje 5 / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

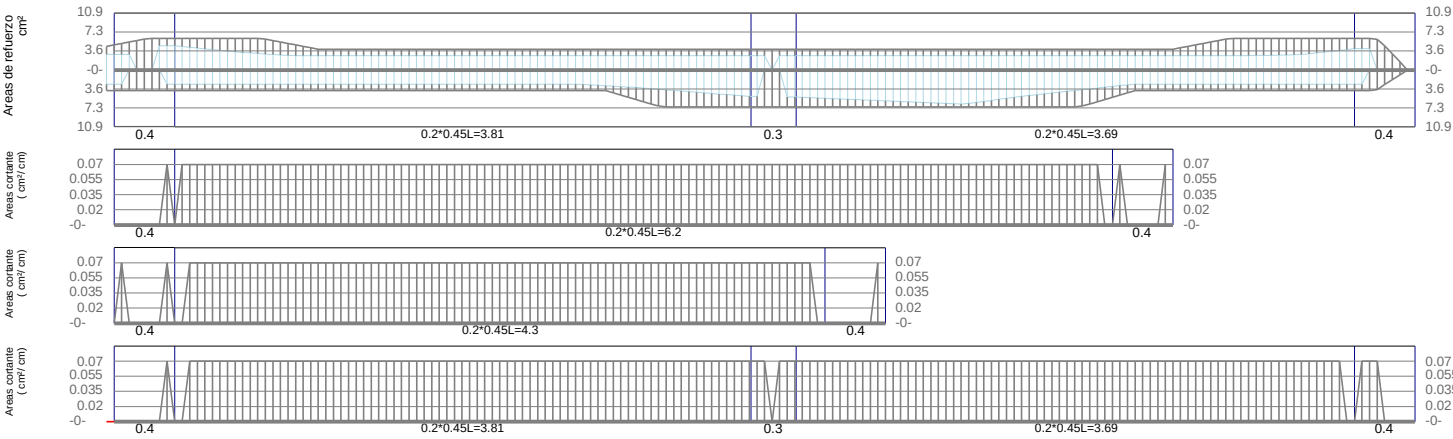
Diseño Arquitectónico

Contenido

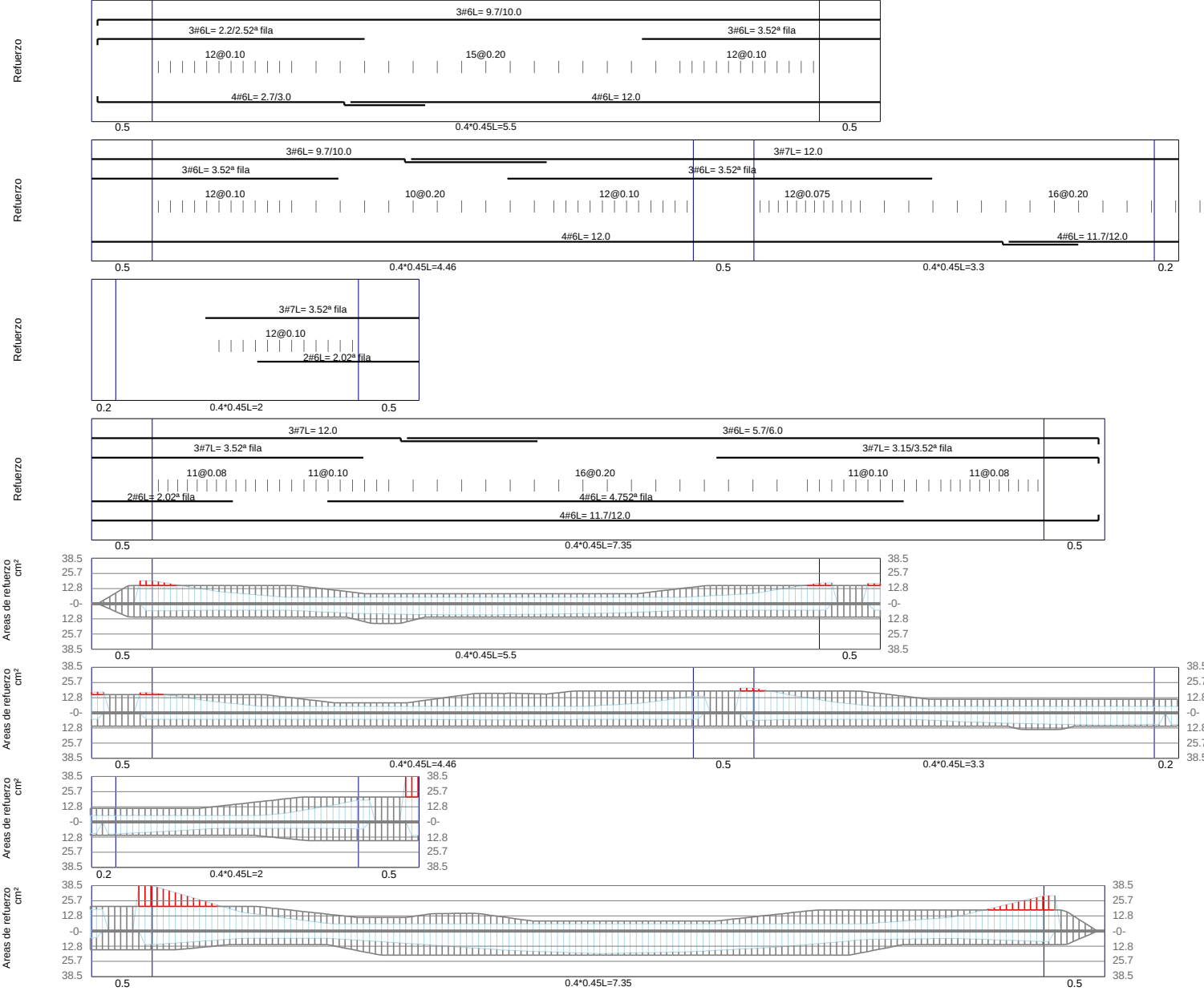
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje G / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

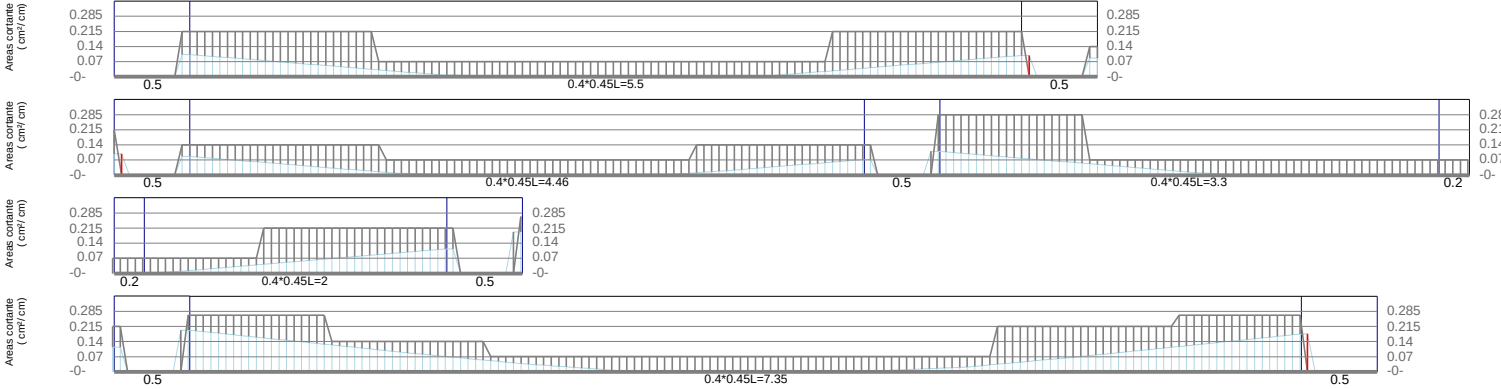
Diseño Arquitectónico

Contenido

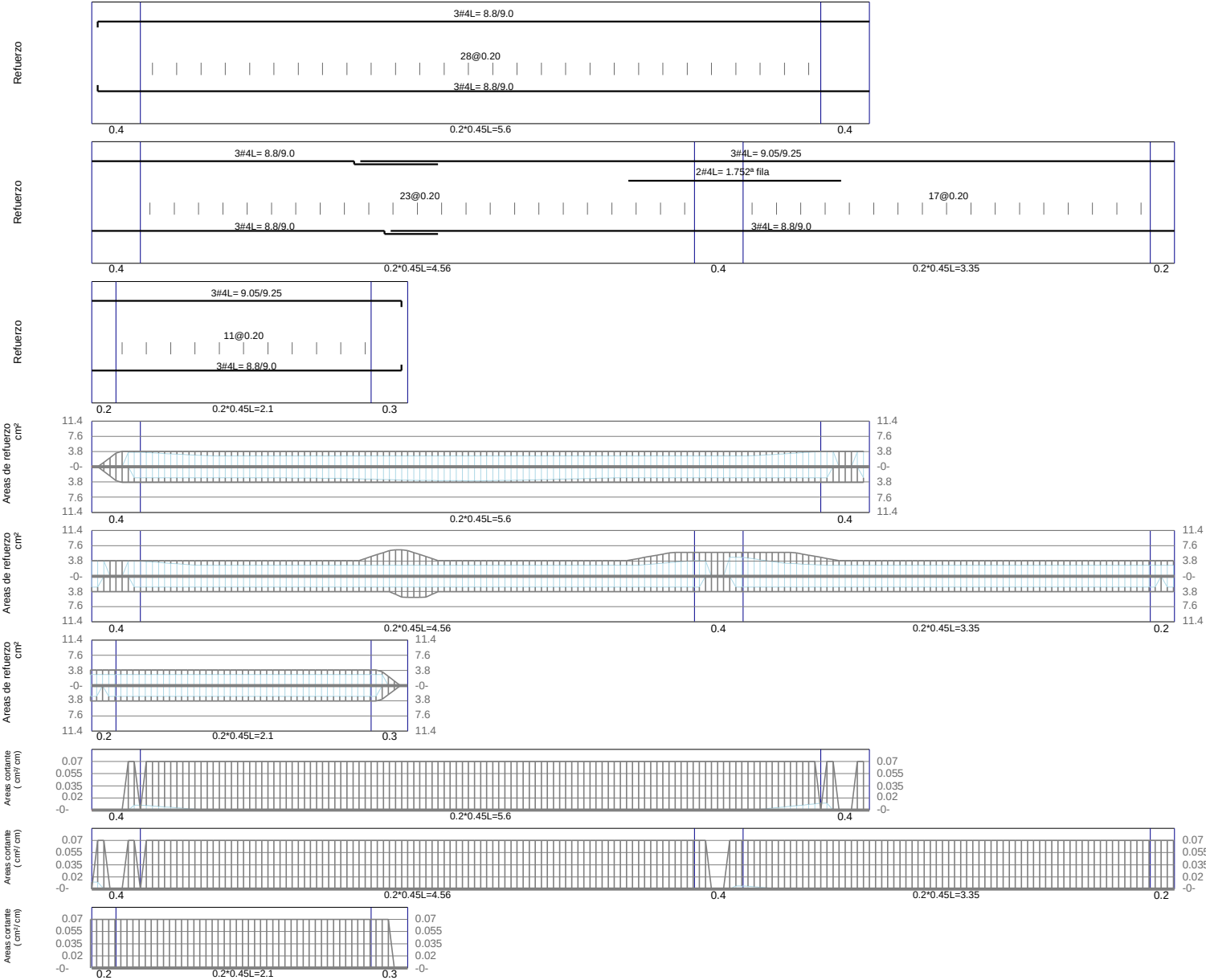
Código Nimbus

Memorias de Vigas

NSR-10 DMO

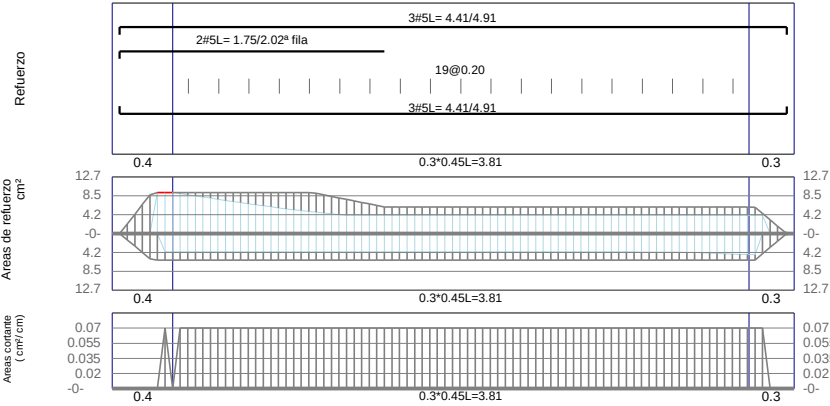


Eje F / Entrepiso 1

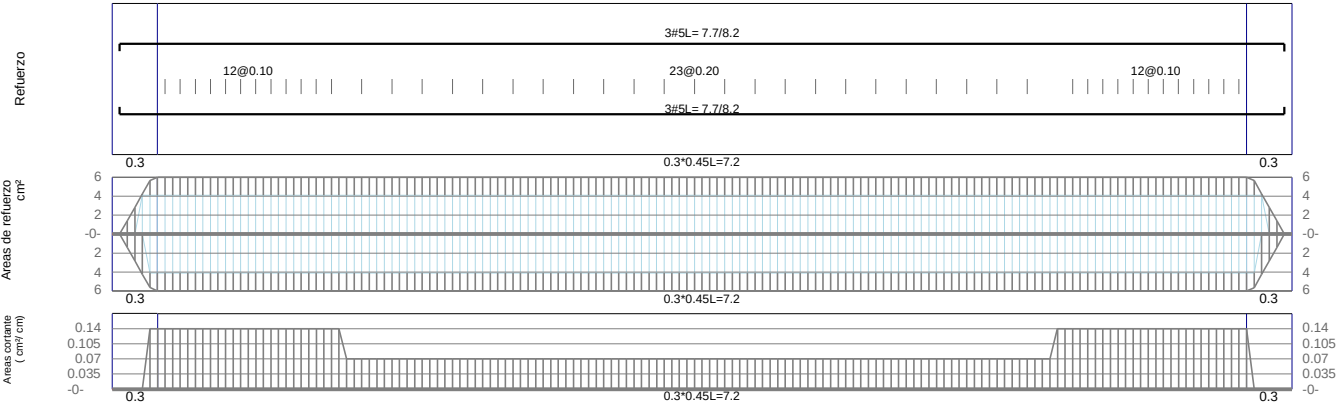


Eje 7 / Entrepiso 1

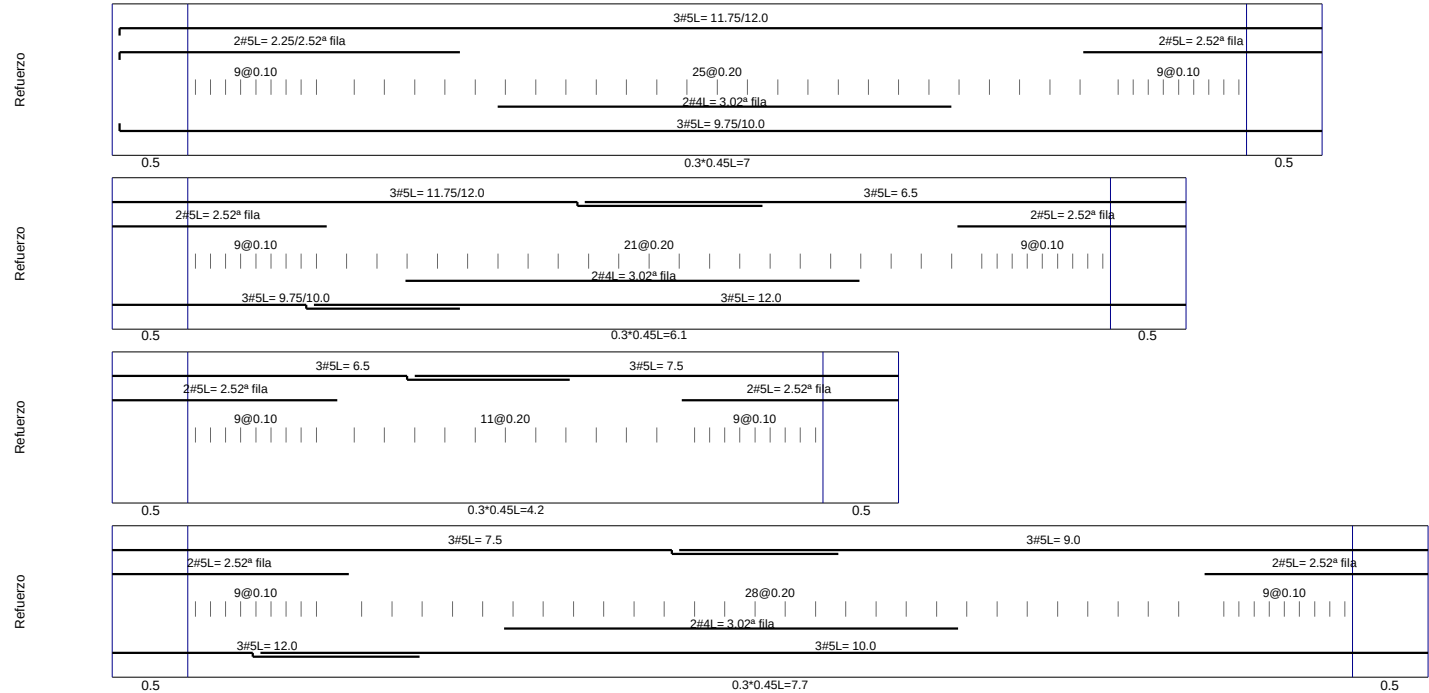
Eje 7 / Entrepiso 1



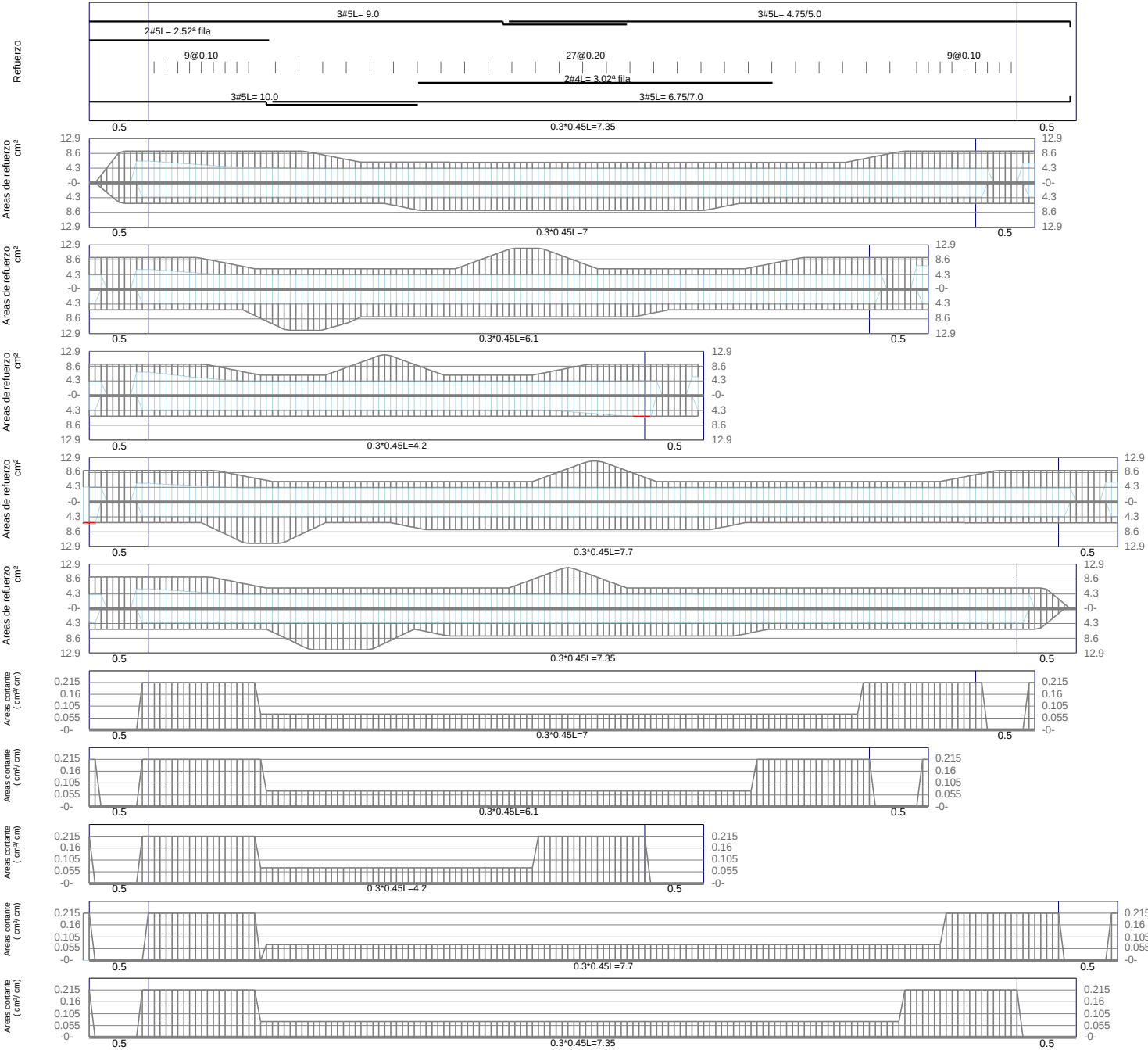
Eje 1(1) / Entrepiso 1



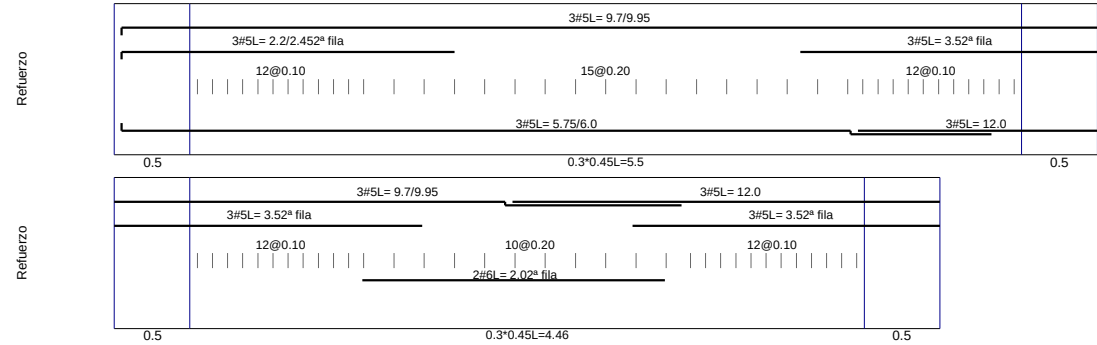
Eje 8 / Cubierta



Nombre Principal		
Nombre Auxiliar	Dirección	
Propietario	Diseño Arquitectónico	
DC-CAD3 Licenciado a:	Contenido	
Norma	Código Nimbus	Memorias de Vigas
NSR-10 DMO		



Eje H / Cubierta



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

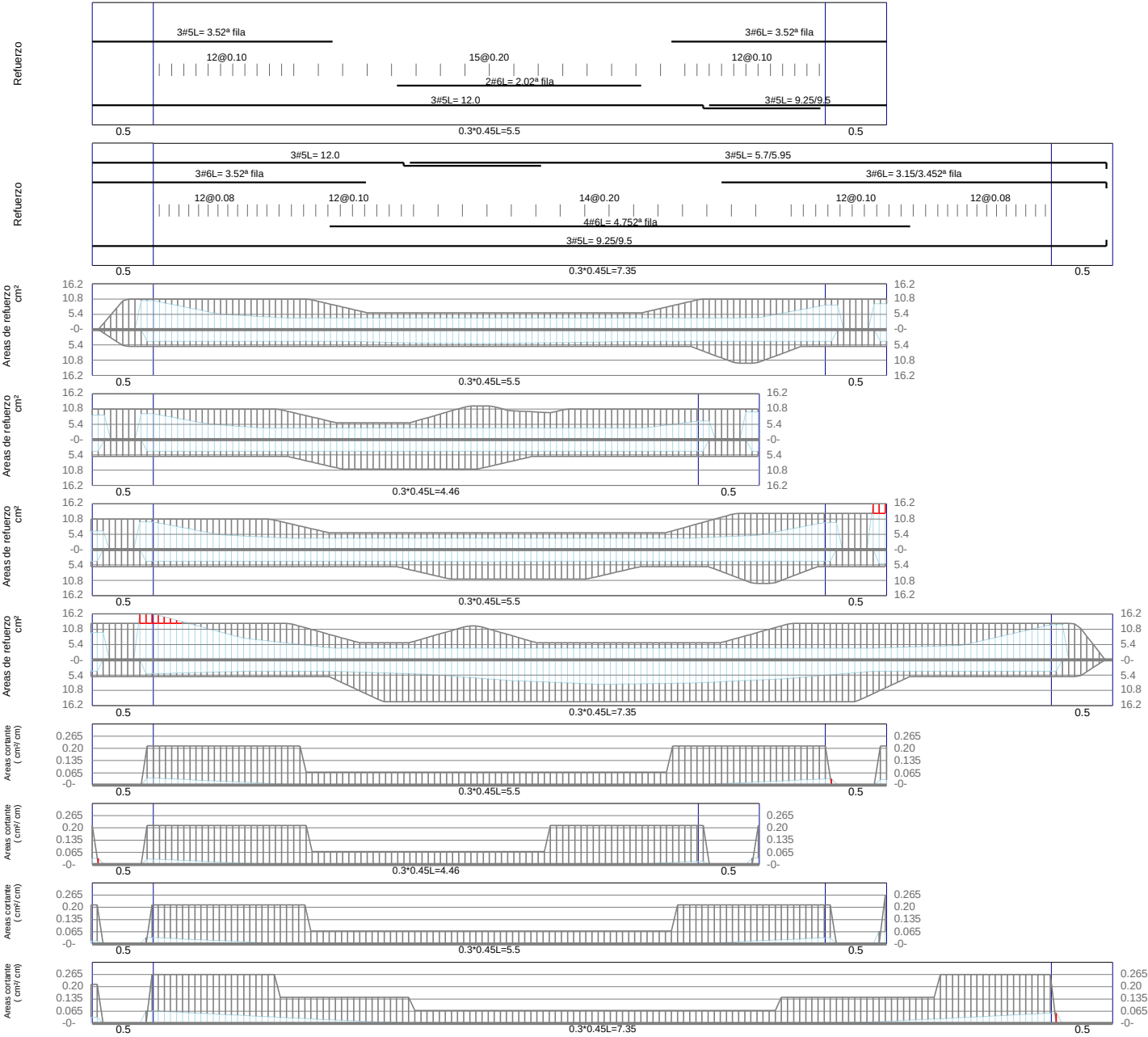
Dirección

Diseño Arquitectónico

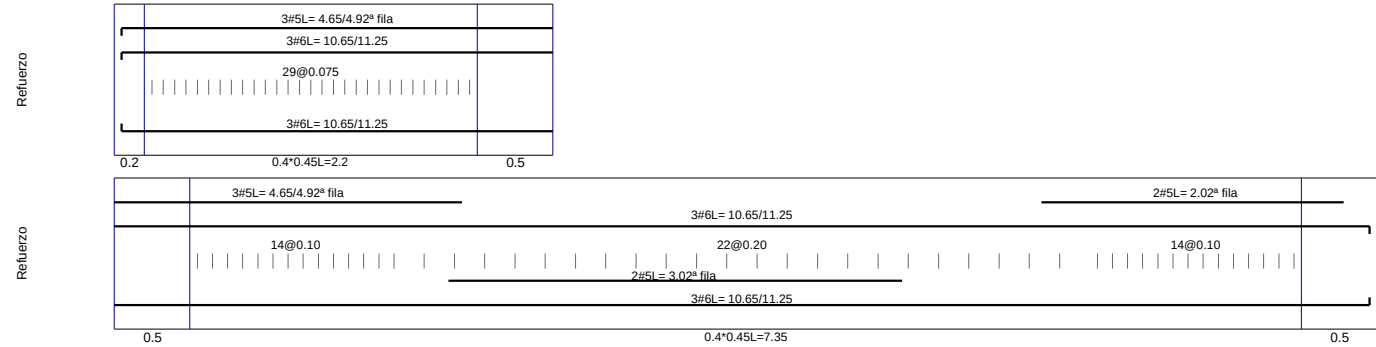
Contenido

Código Nimbus

Memorias de Vigas



Eje 1 / Cubierta



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

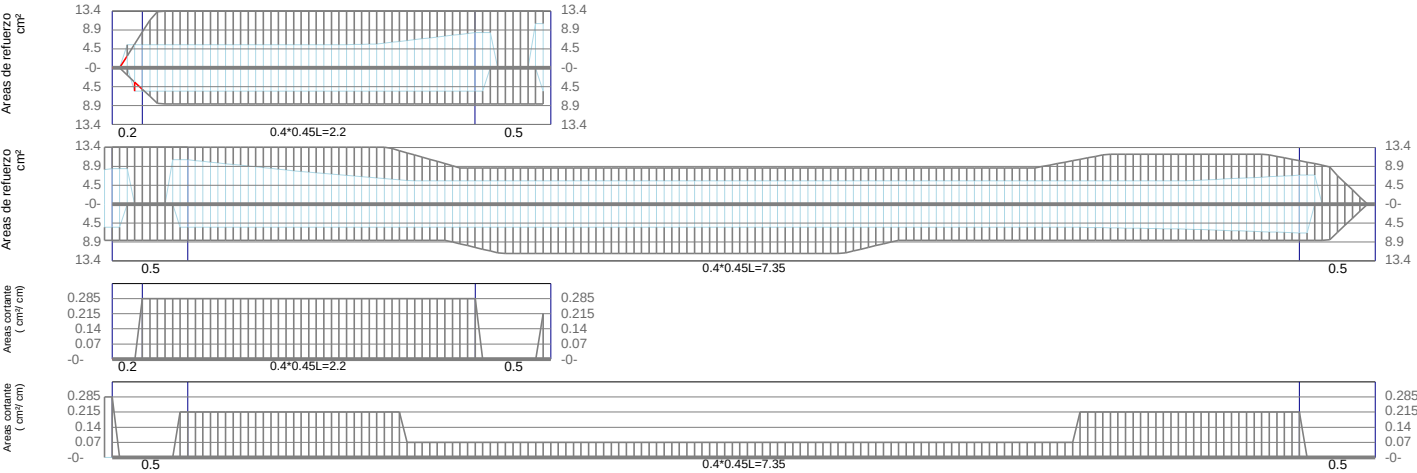
Diseño Arquitectónico

Contenido

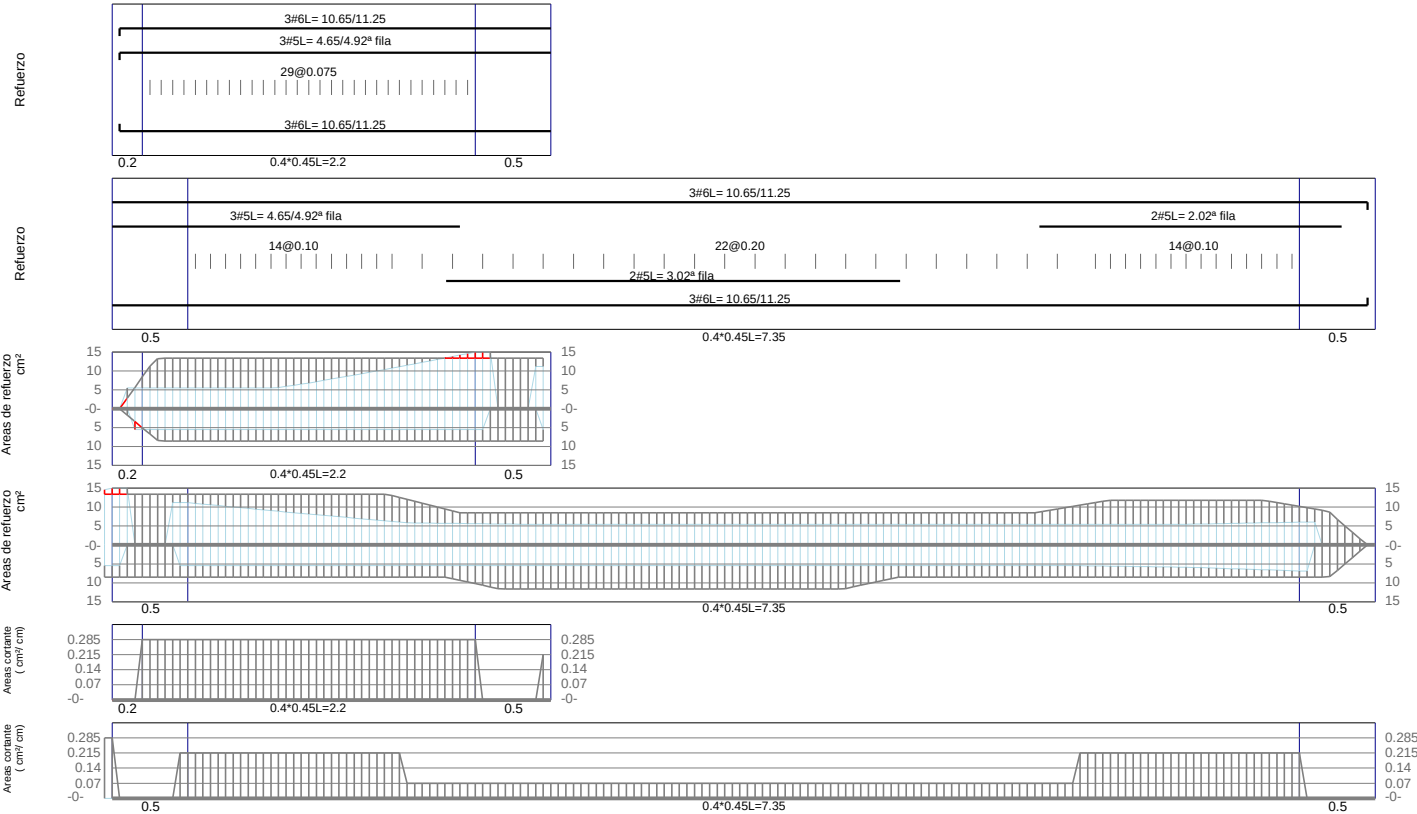
Código Nimbus

Memorias de Vigas

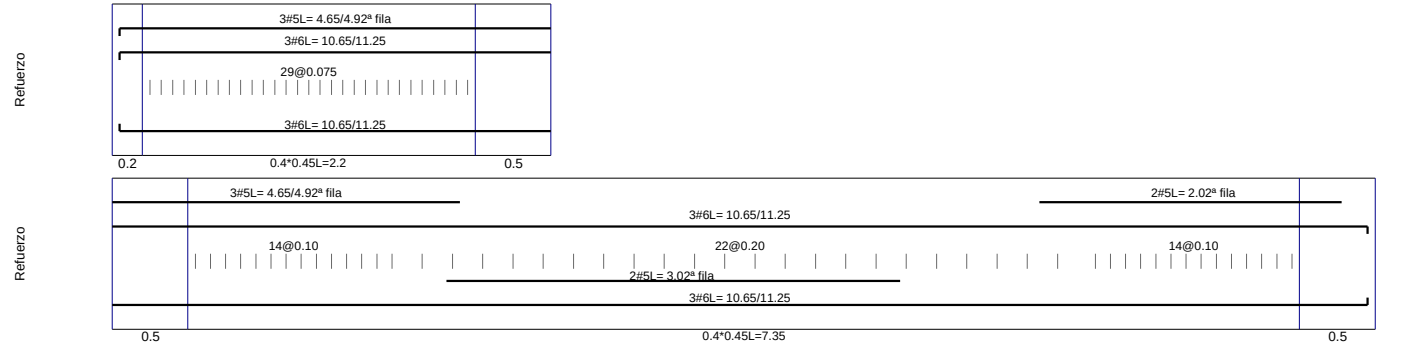
NSR-10 DMO



Eje 3 / Cubierta



Eje 4 / Cubierta



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

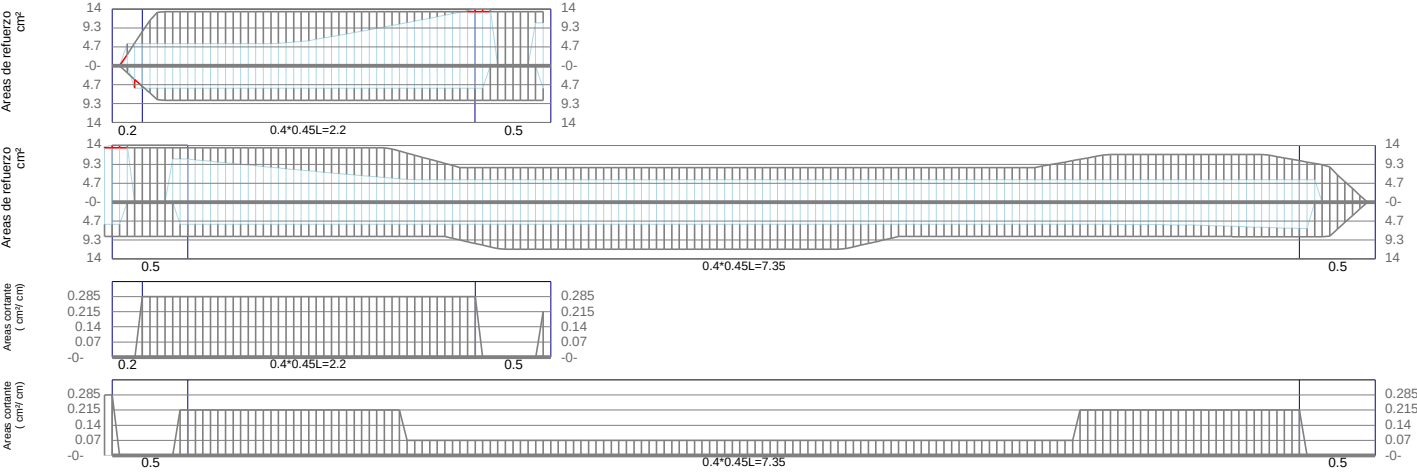
Diseño Arquitectónico

Contenido

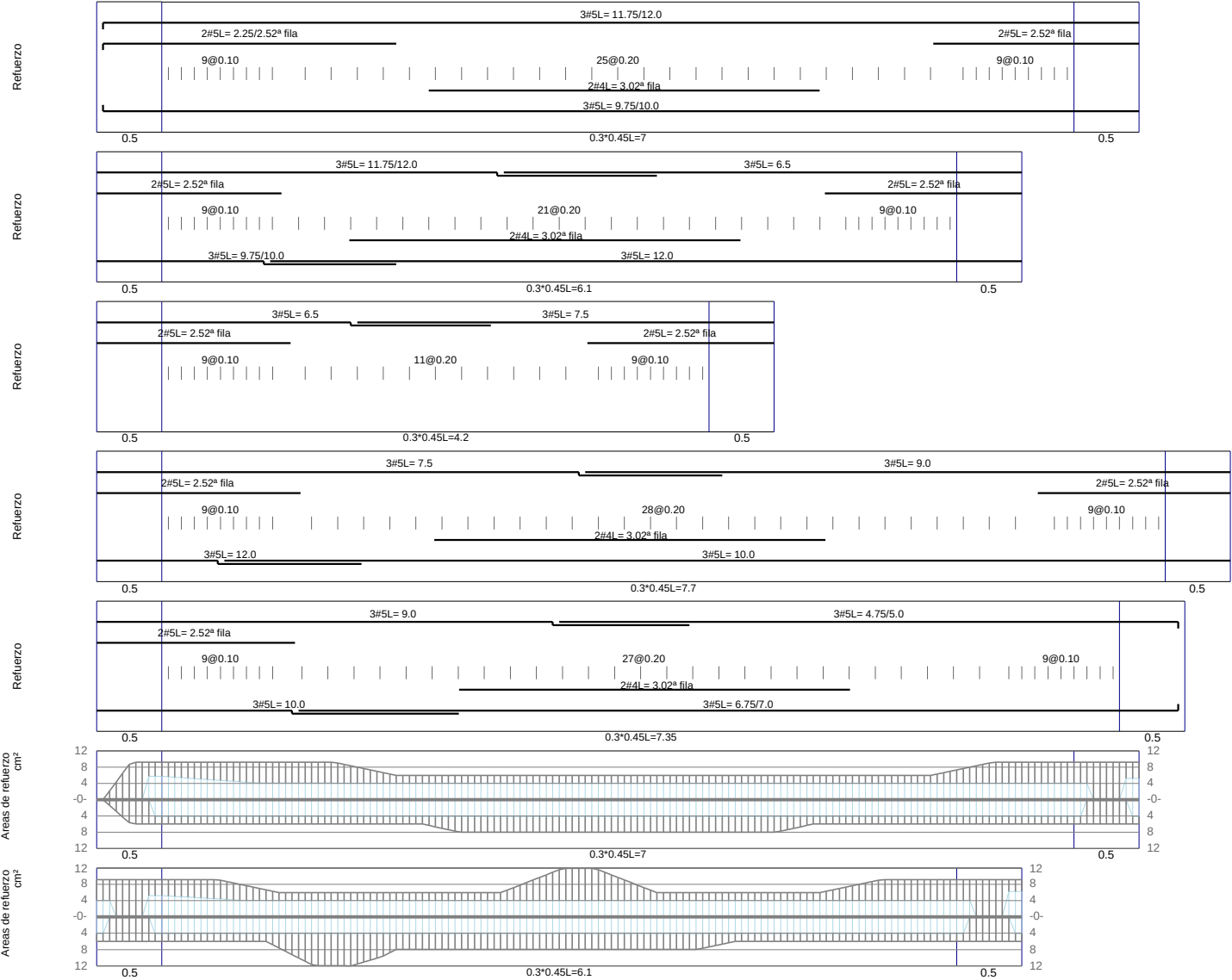
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje 6 / Cubierta



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

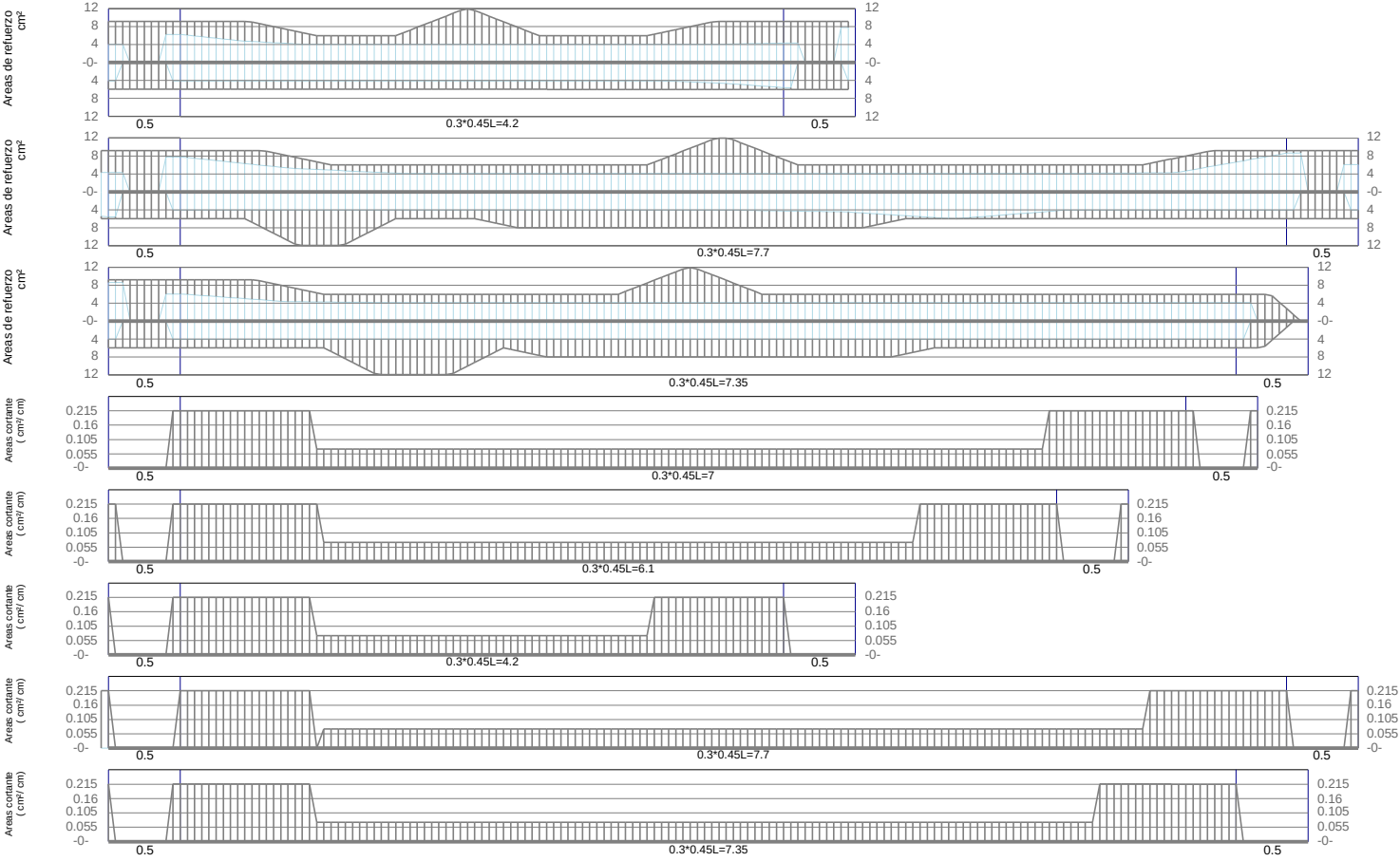
Diseño Arquitectónico

Contenido

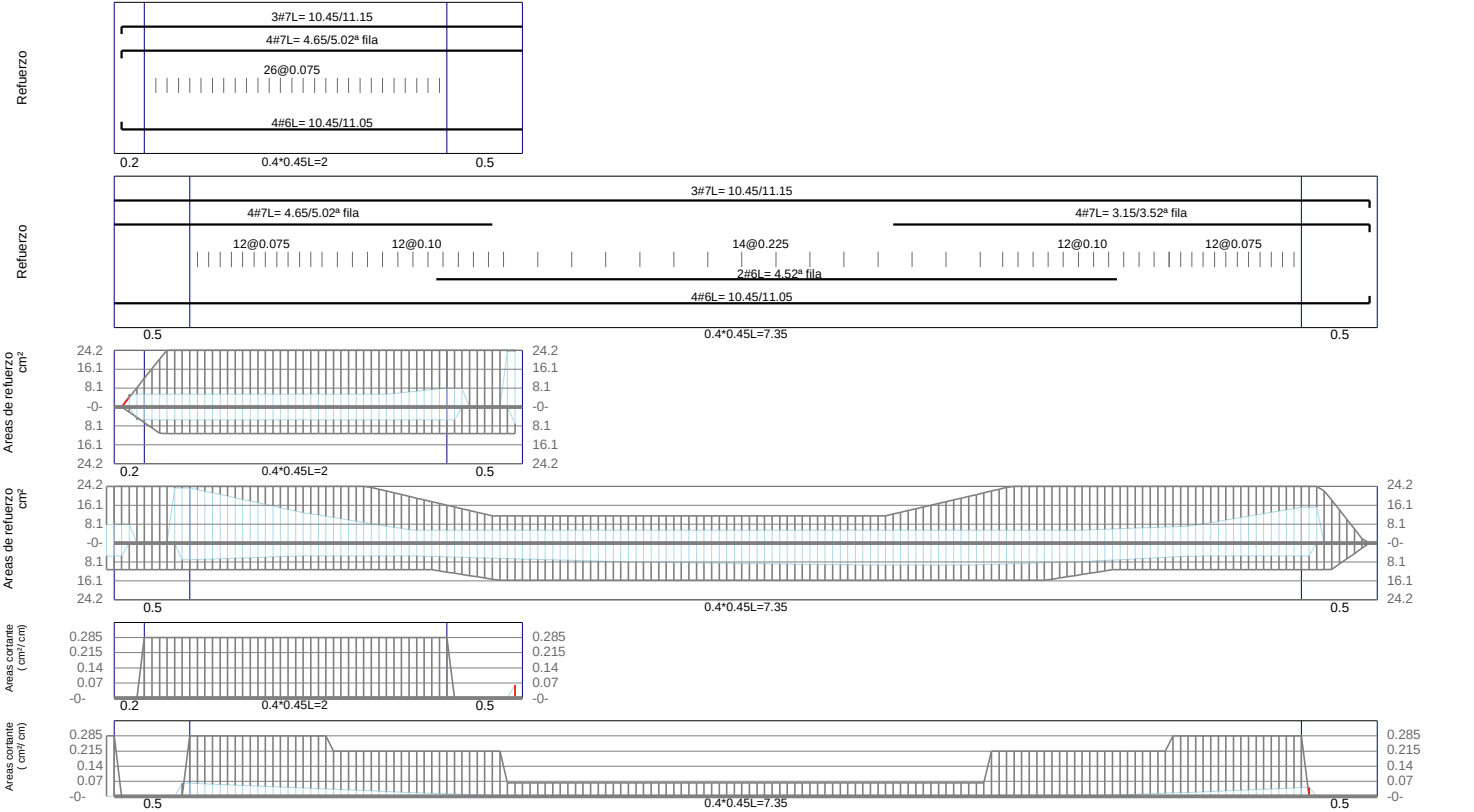
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje A / Cubierta



Eje B / Cubierta

Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

Diseño Arquitectónico

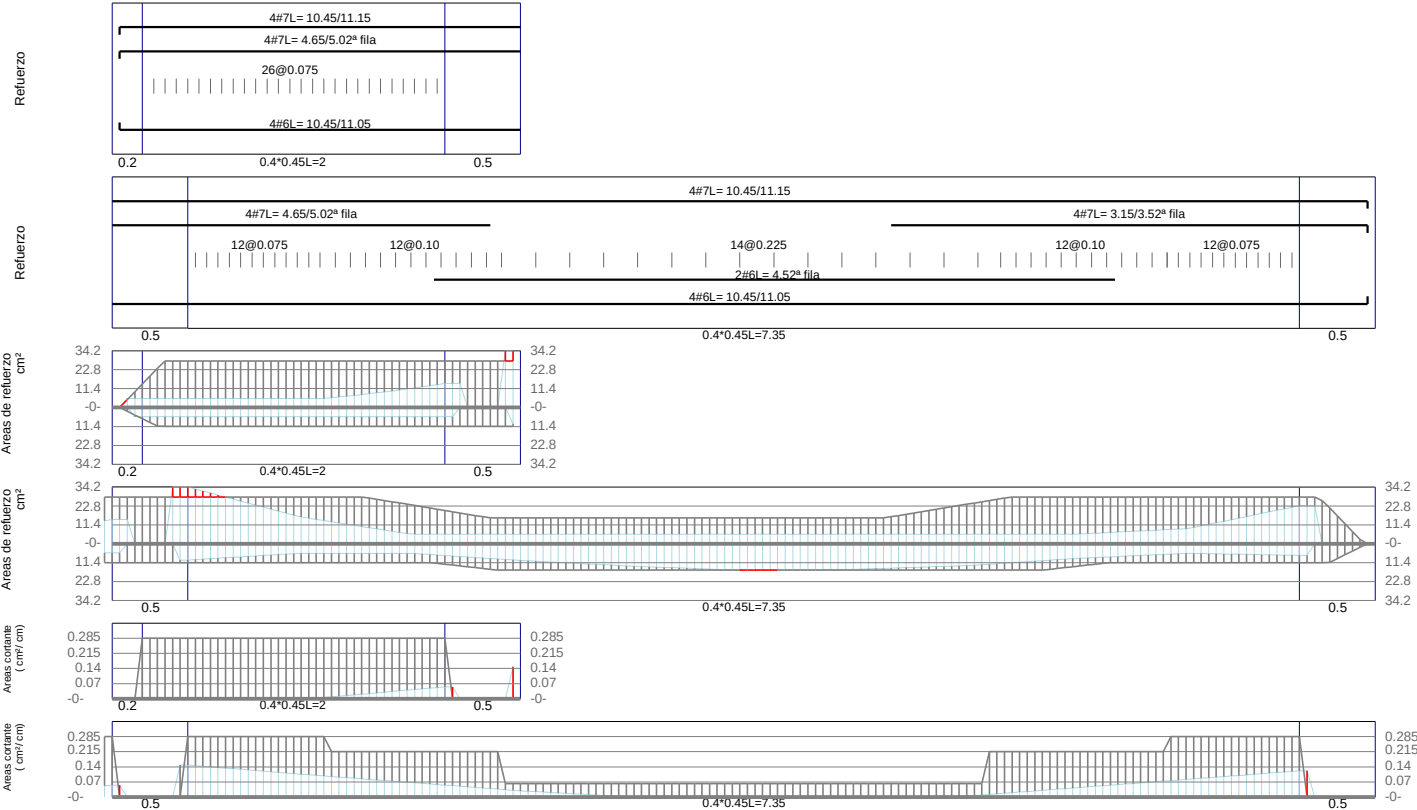
Contenido

Código Nimbus

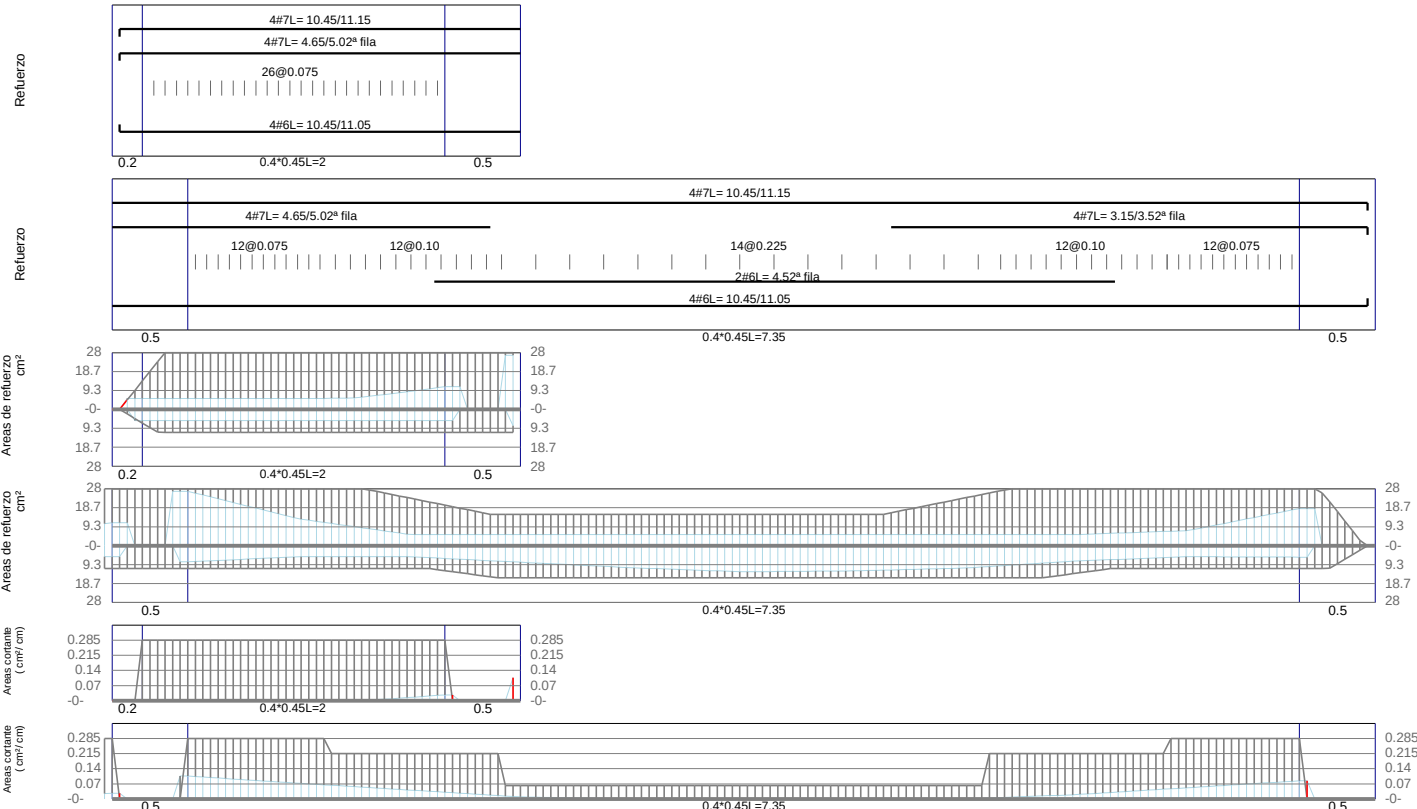
Memorias de Vigas

NSR-10 DMO

Eje B / Cubierta



Eje C / Cubierta



Eje D / Cubierta

Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

Diseño Arquitectónico

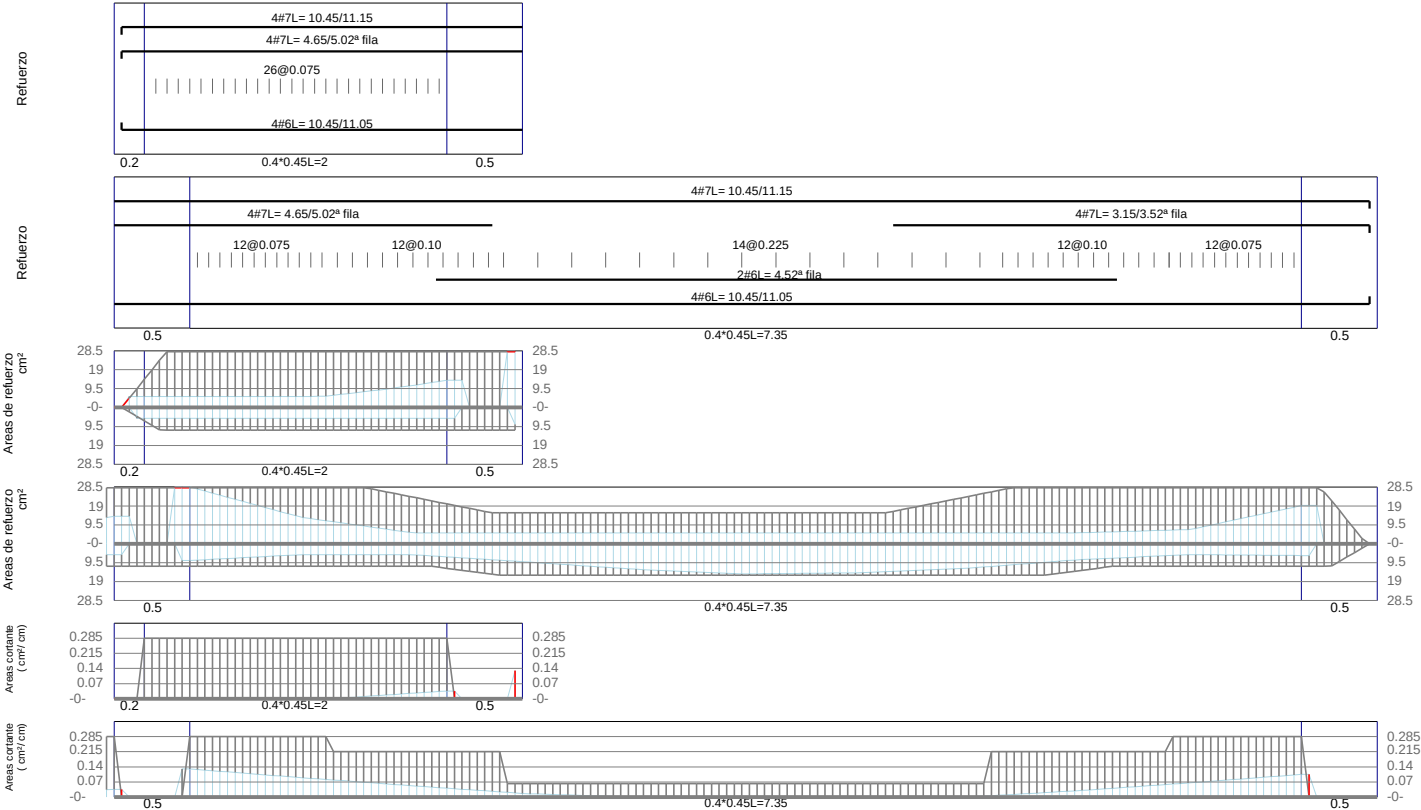
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Código Nimbus

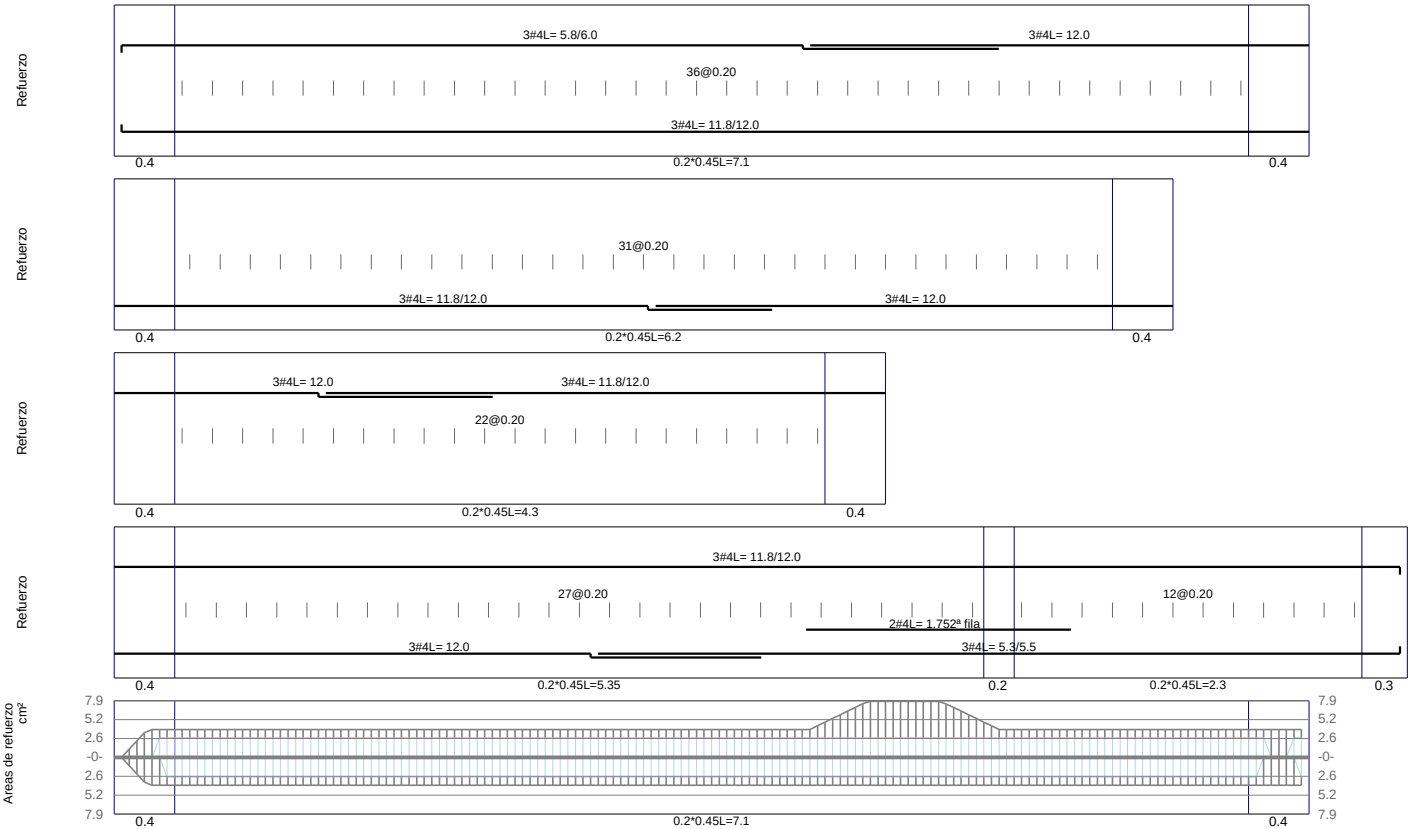
Memorias de Vigas

NSR-10 DMO

Eje D / Cubierta



Eje 5 / Cubierta



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

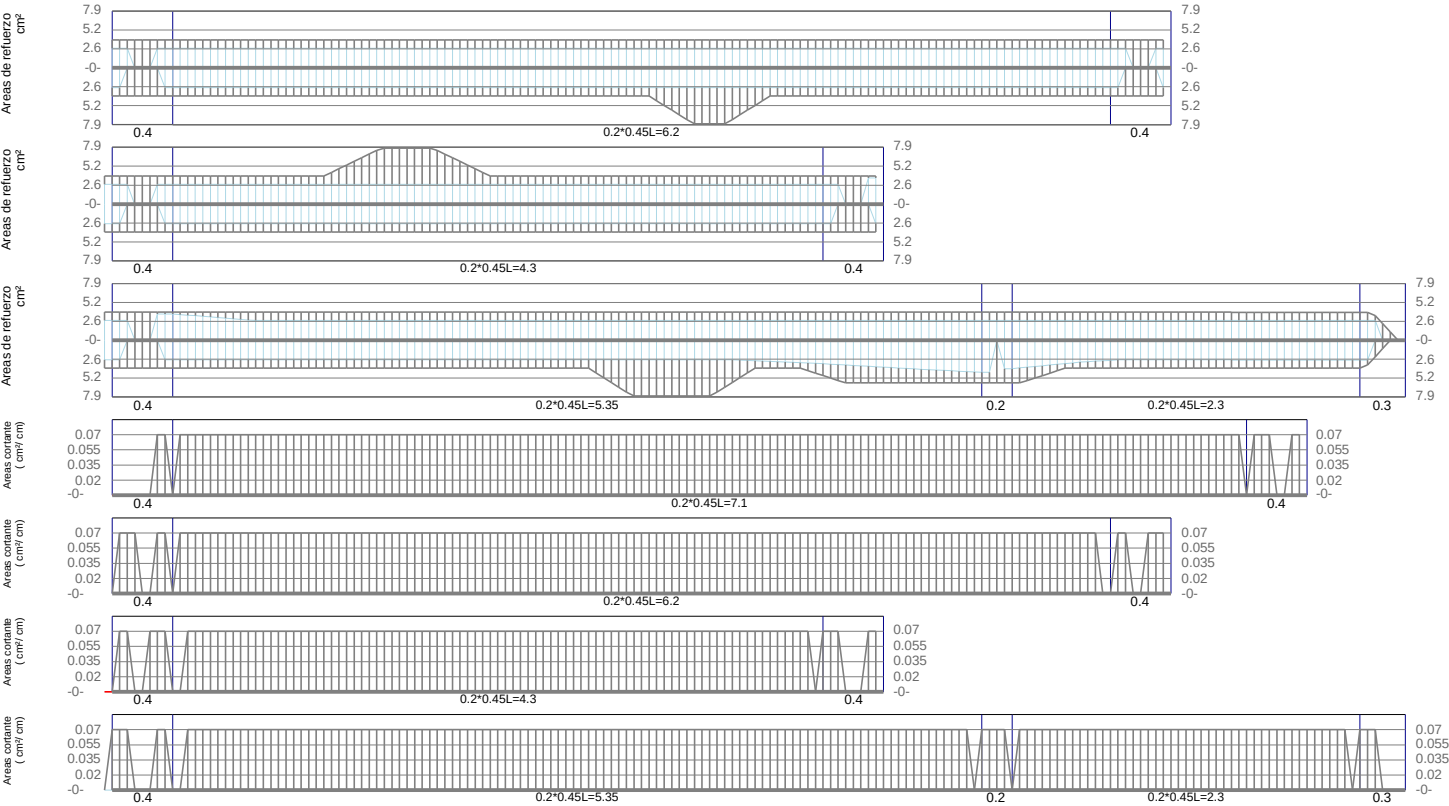
Diseño Arquitectónico

Contenido

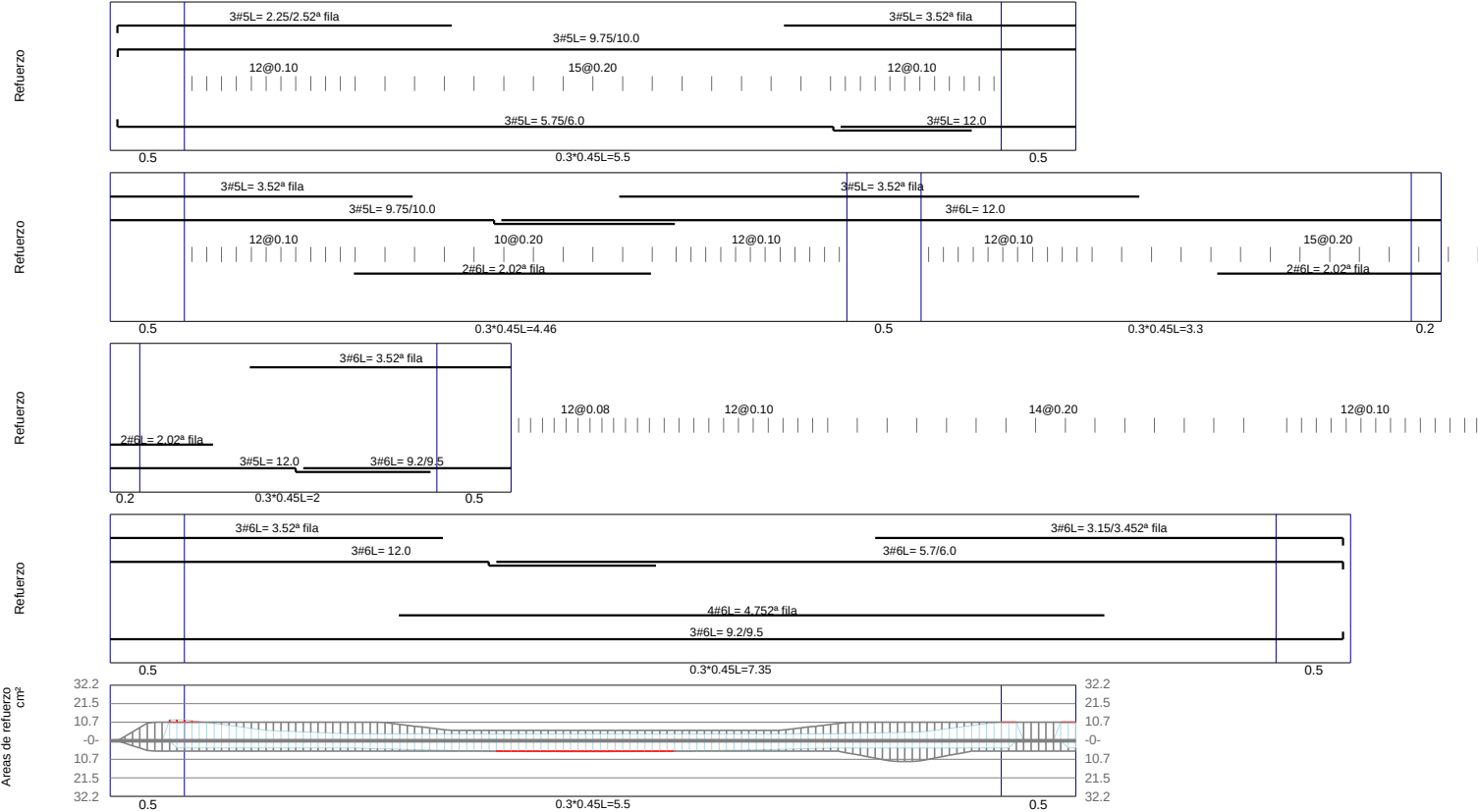
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje G / Cubierta



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

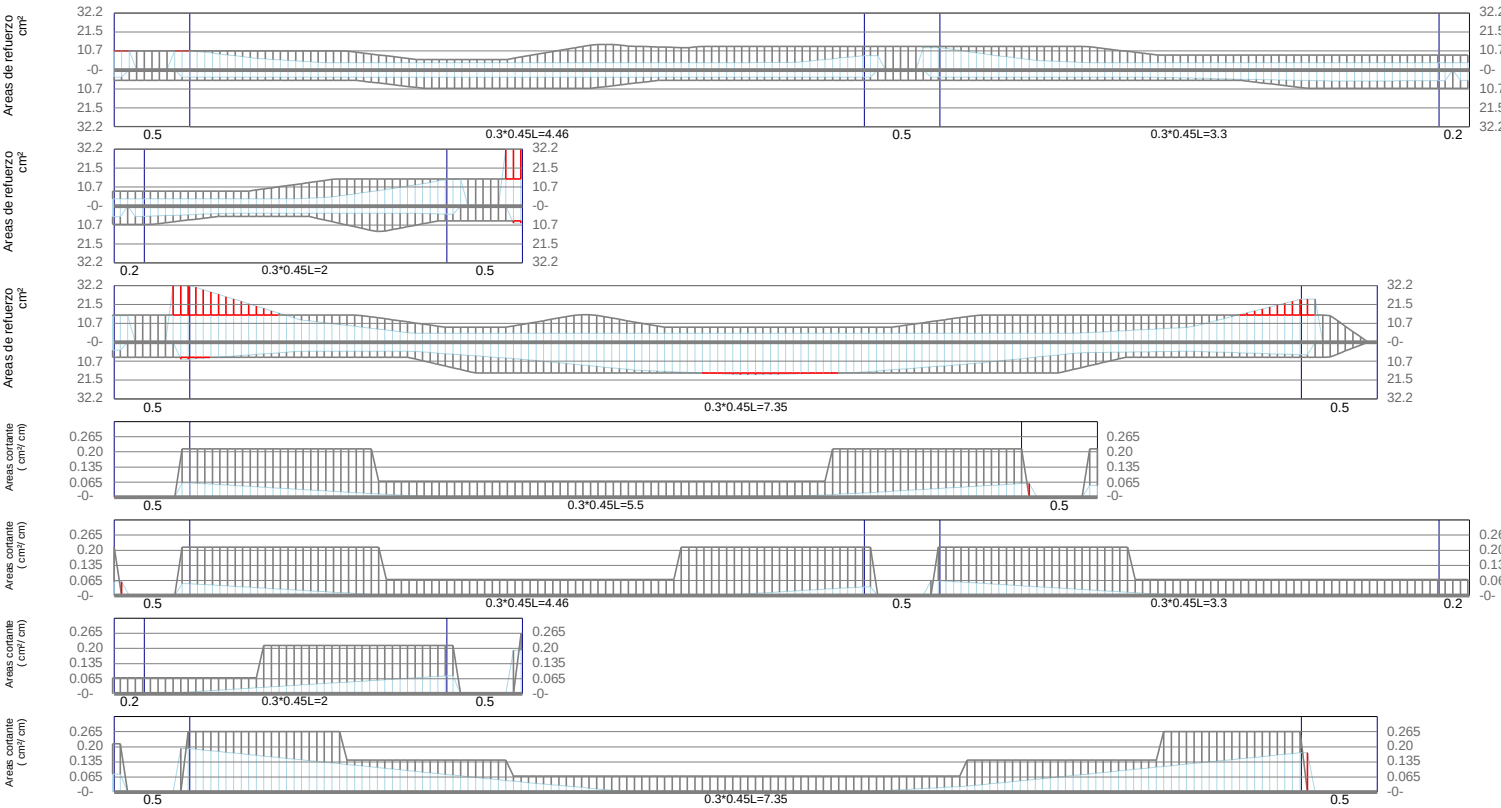
Diseño Arquitectónico

Contenido

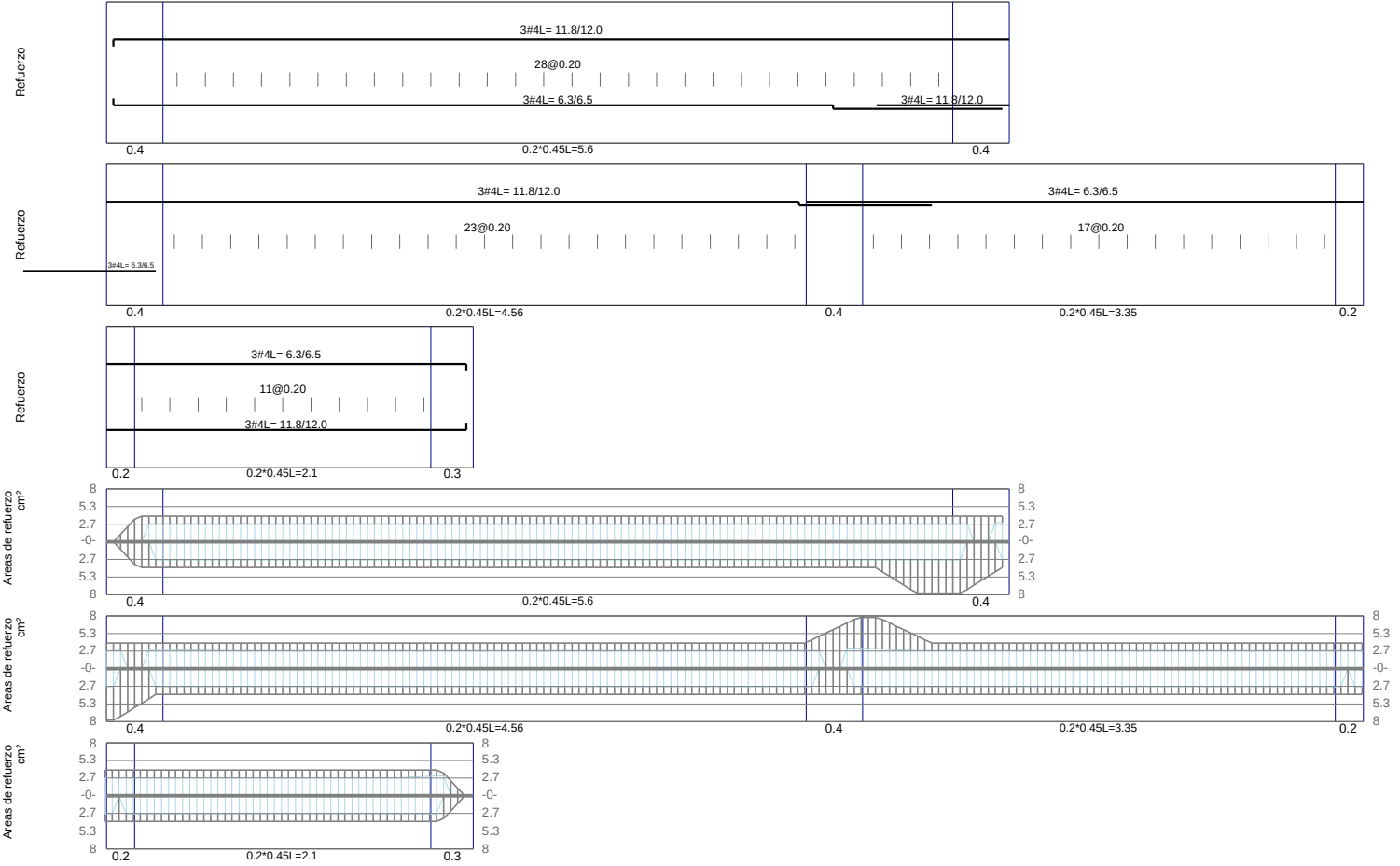
Código Nimbus

Memorias de Vigas

NSR-10 DMO



Eje F / Cubierta



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

Dirección

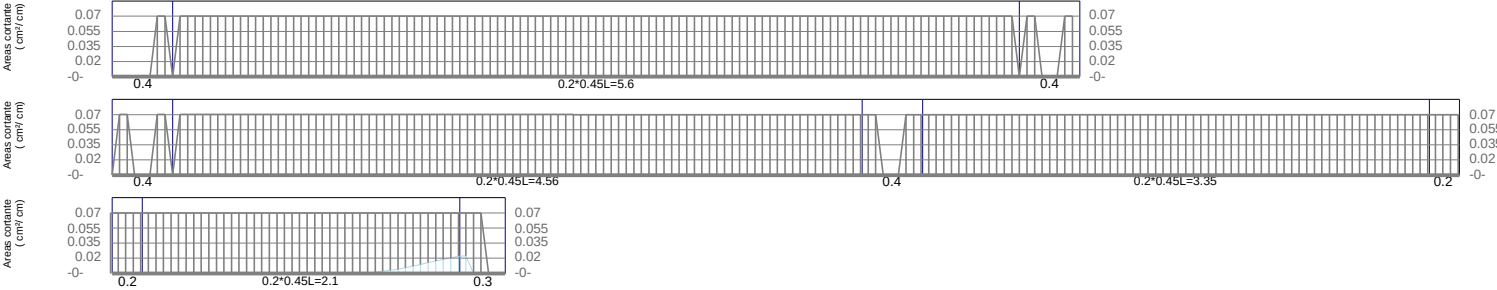
Diseño Arquitectónico

Contenido

Código Nimbus

Memorias de Vigas

NSR-10 DMO

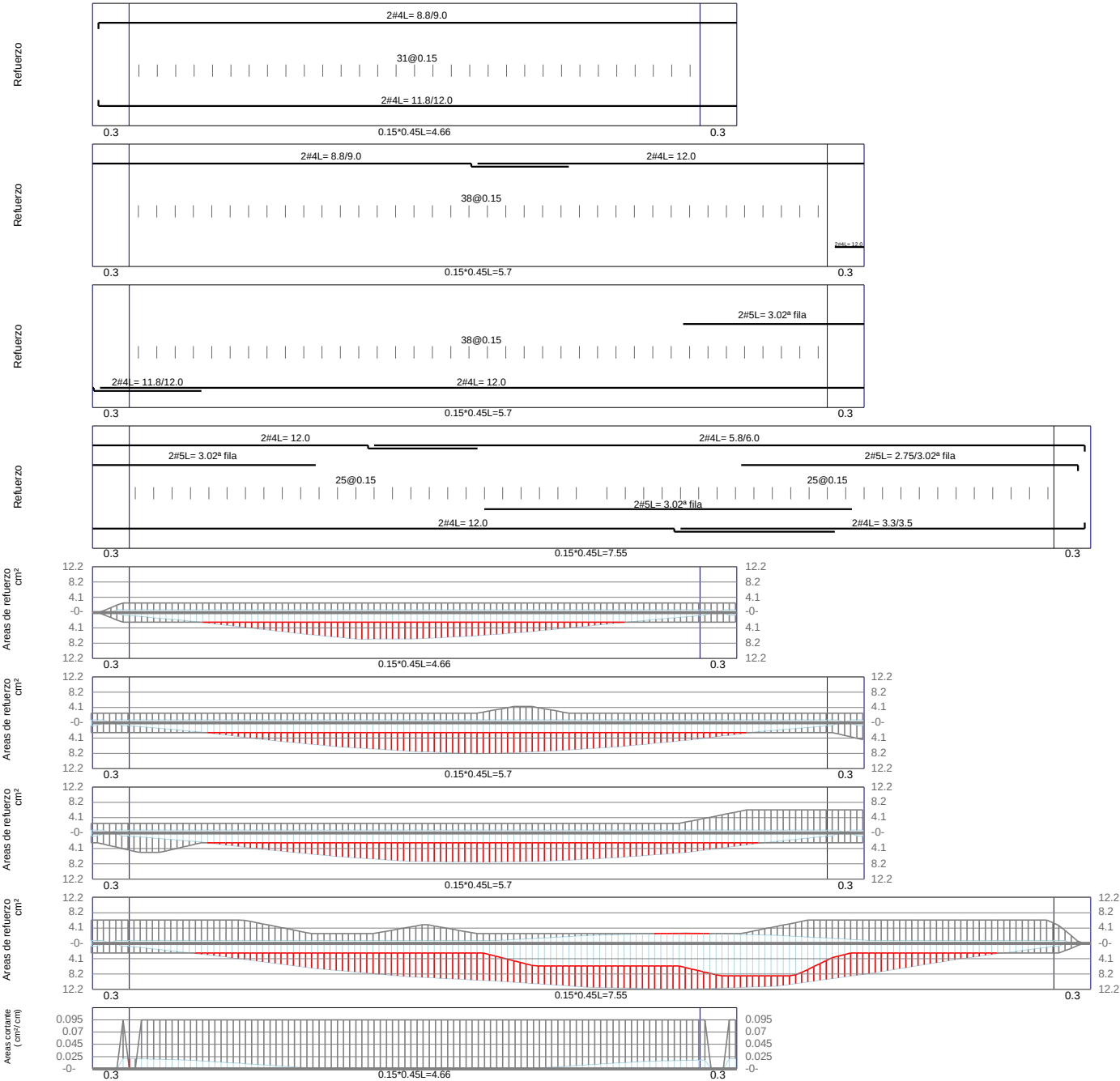


19. Diseño de viguetas

Combinaciones usadas en el grupo de diseño #3

Nº	Definición	Flexión	Cortante	Torsión
1	S1	SI	SI	
2	S2	SI	SI	
3	S3	SI	SI	
4	S4	SI	SI	
5	S5	SI	SI	
6	S6	SI	SI	

Vt Vgt 1 / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

ARG INGENIERIA INTEGRAL SAS

NSR-10 No sísmico

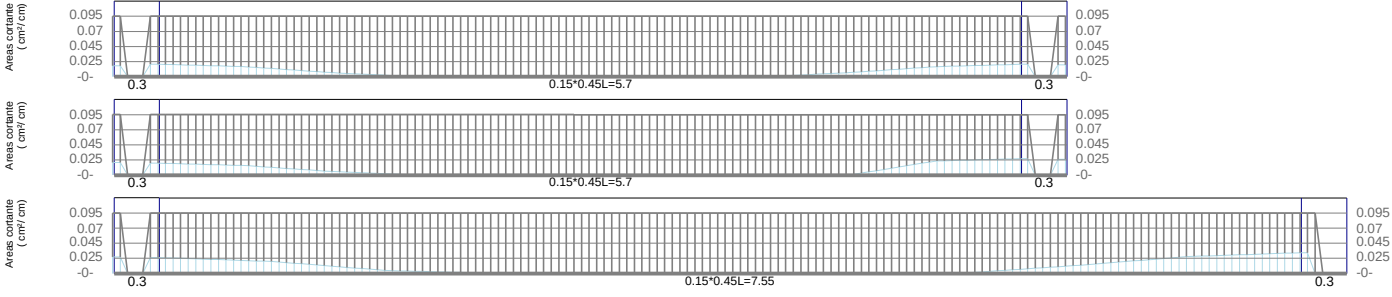
Dirección

Diseño Arquitectónico

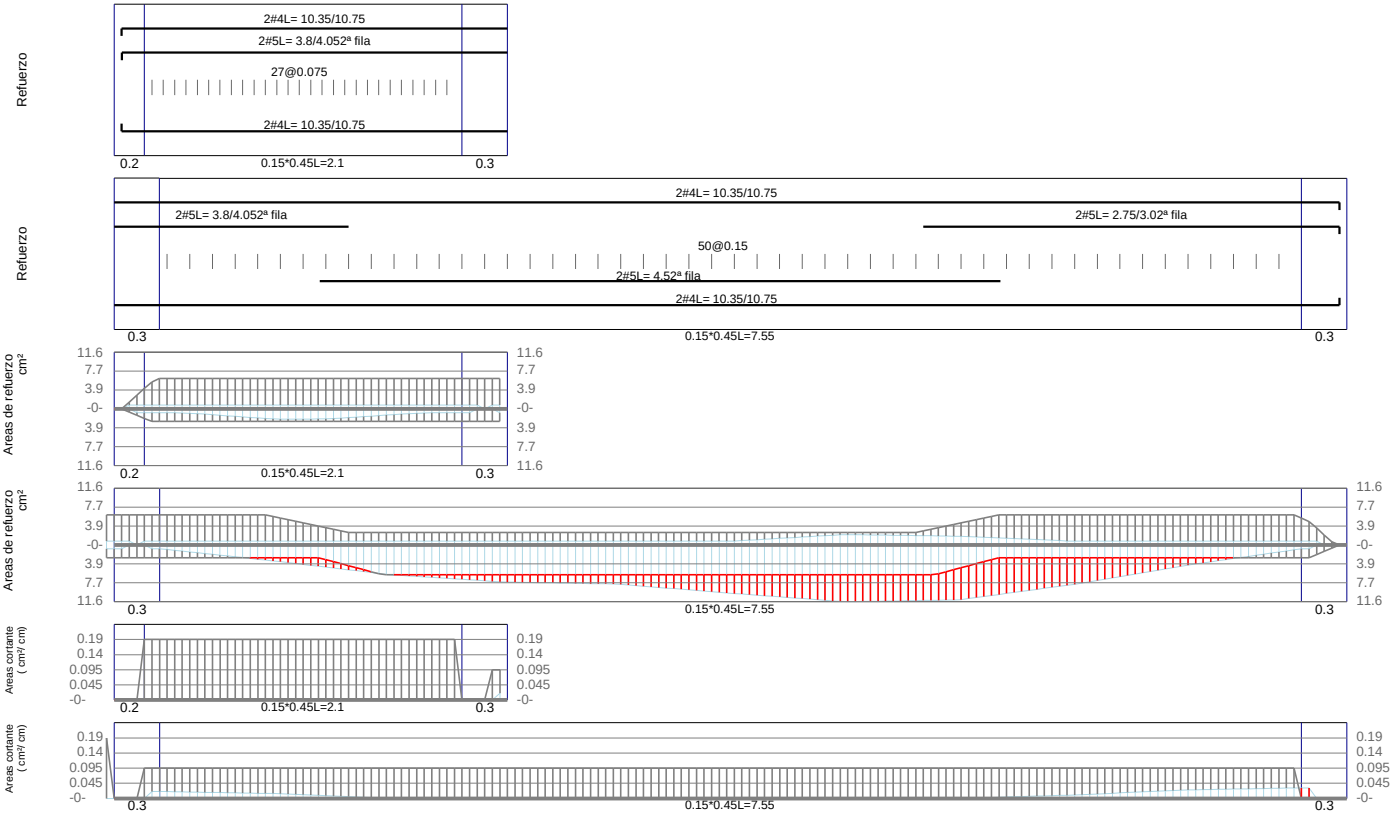
Contenido

Código Nimbus

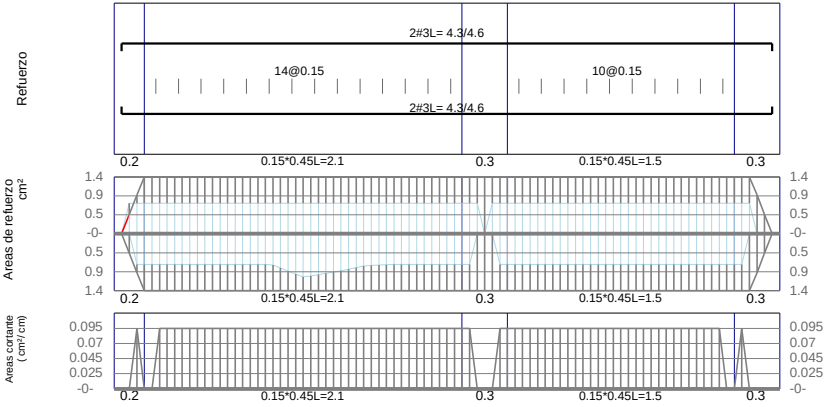
Memorias de Vigas



Vt Vgt 2 / Entrepiso 1

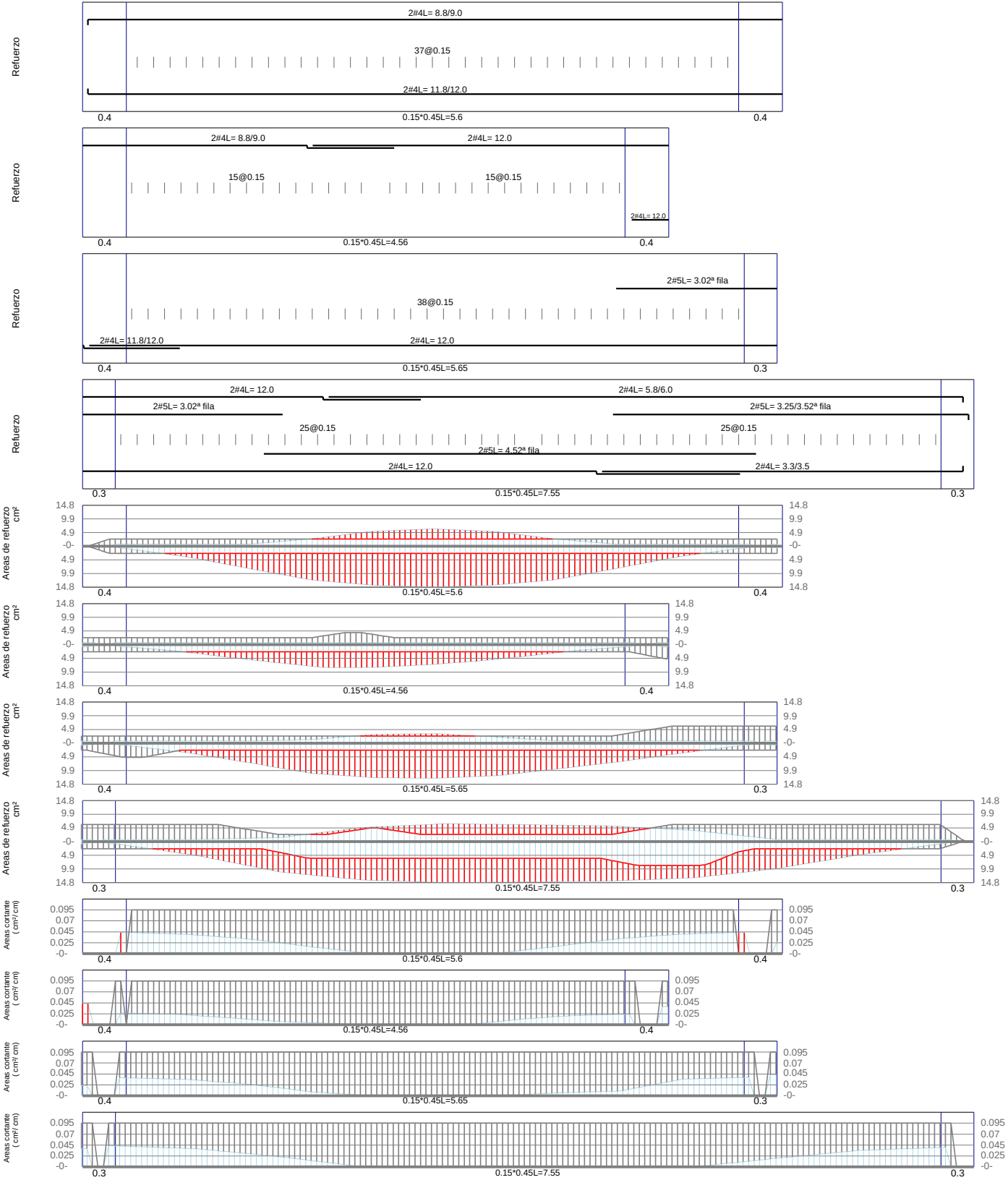


Vt Vgt 3 / Entrepiso 1



Vt Vgt 4 / Entrepiso 1

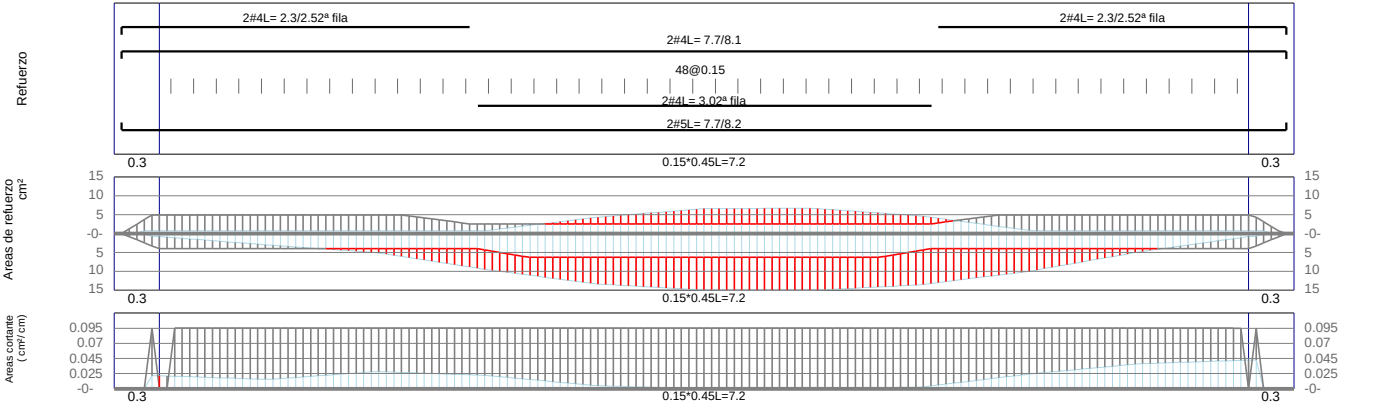
Vt Vgt 4 / Entrepiso 1



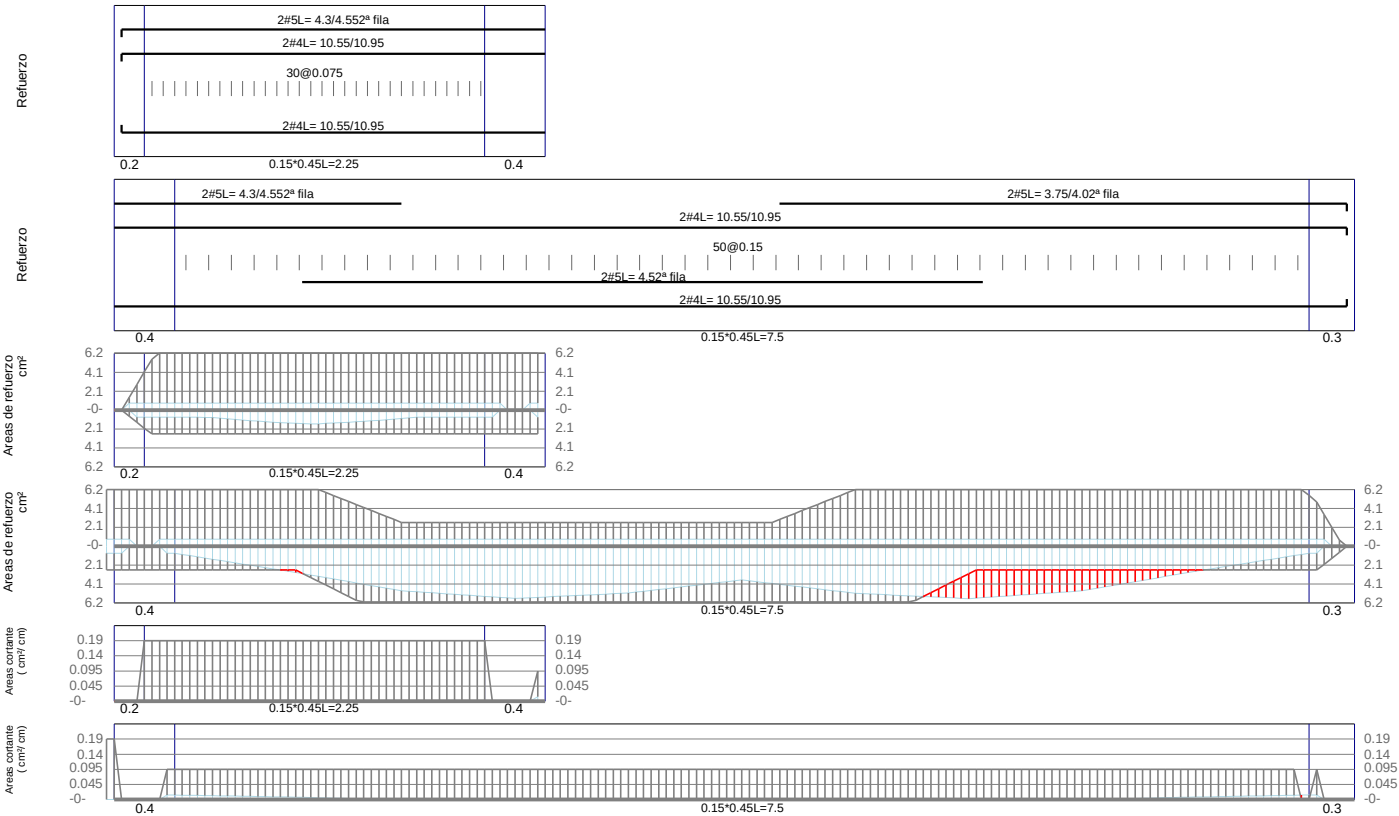
Vt Vgt 5 / Entrepiso 1

Nombre Principal		
Nombre Auxiliar	Dirección	
Propietario	Diseño Arquitectónico	
DC-CAD3 Licenciado a:	Contenido	Memorias de Vigas
Norma	Código Nimbus	
ARG INGENIERIA INTEGRAL SAS		
NSR-10 No sísmico		

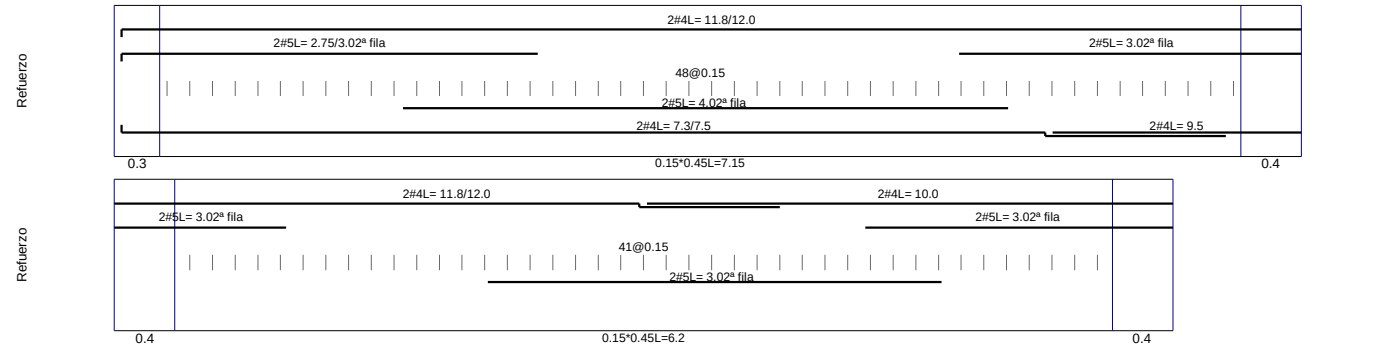
Vt Vgt 5 / Entrepiso 1

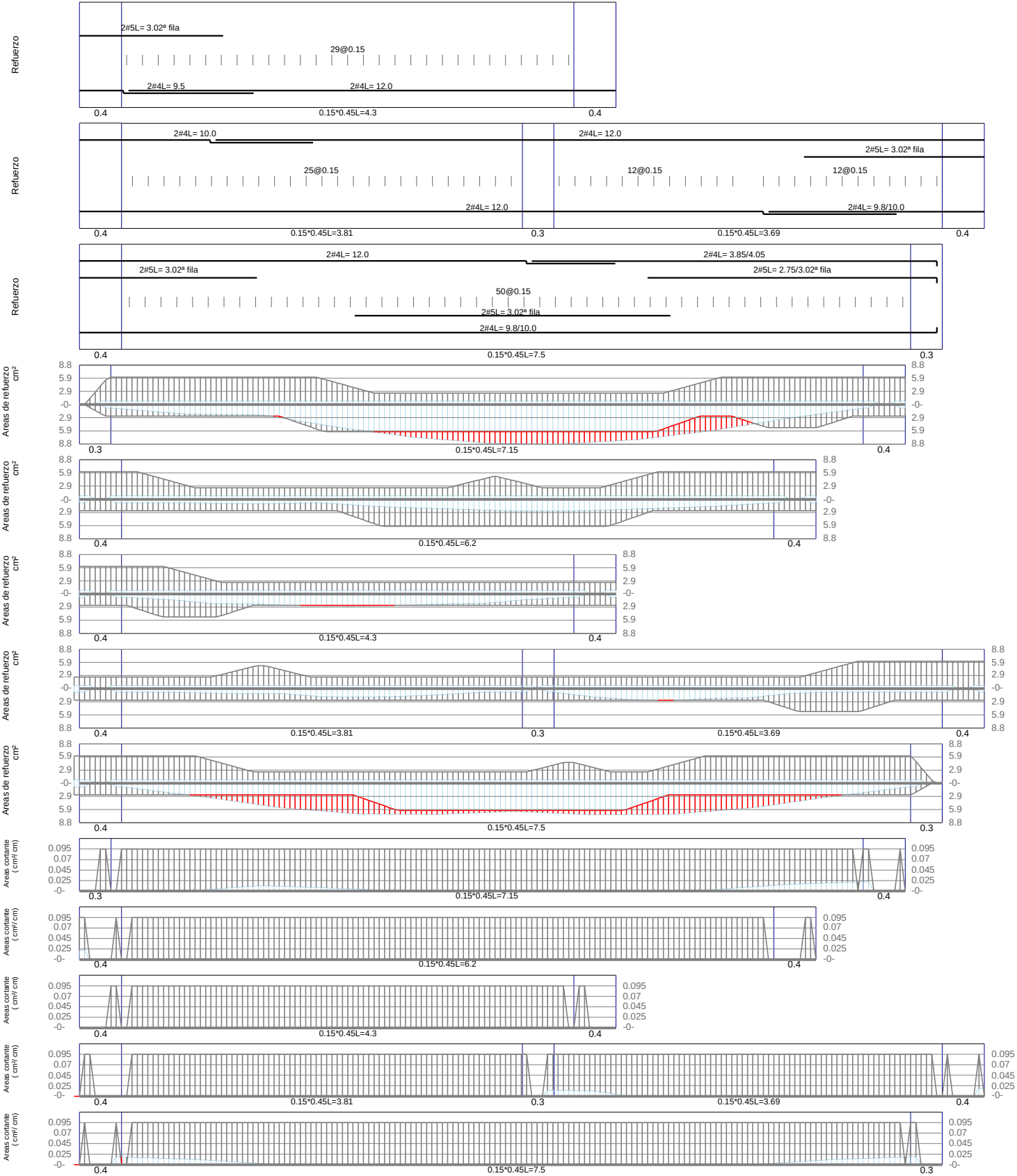


Vt Vgt 6 / Entrepiso 1

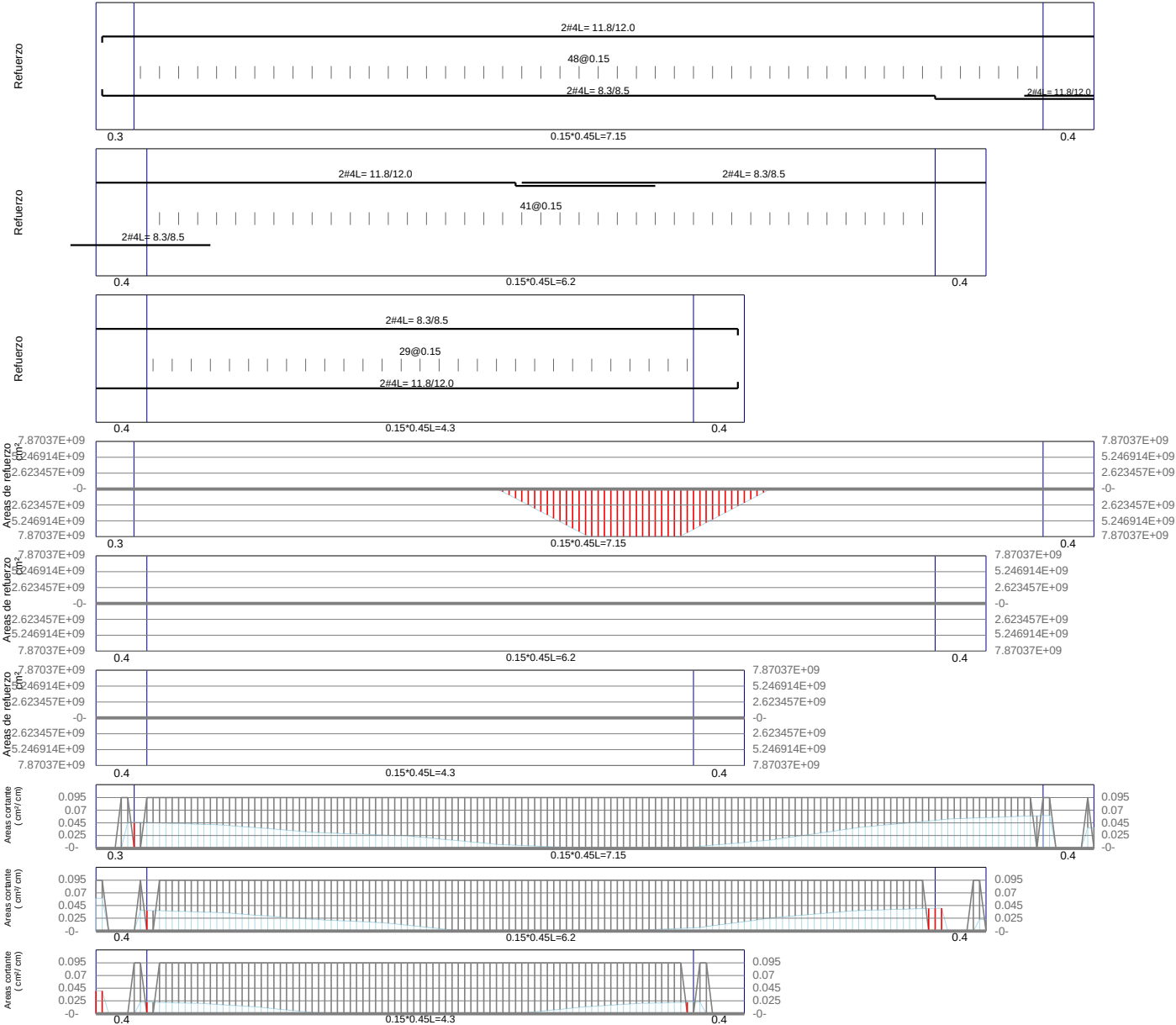


Vt Vgt 7 / Entrepiso 1

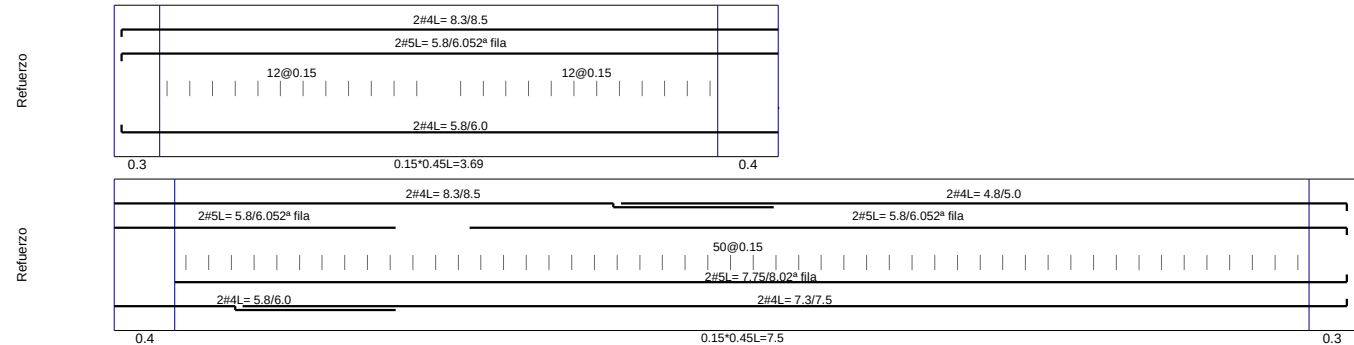




Vt Vgt 8 / Entrepiso 1



Vt Vgt 9 / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

DC-CAD3 Licenciado a:

Norma

ARG INGENIERIA INTEGRAL SAS

NSR-10 No sísmico

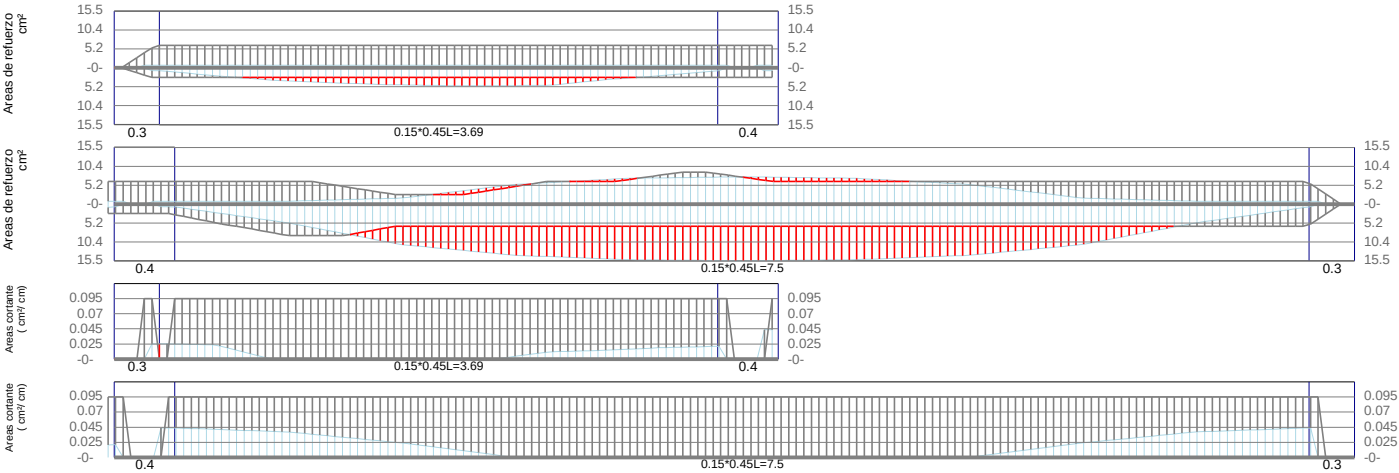
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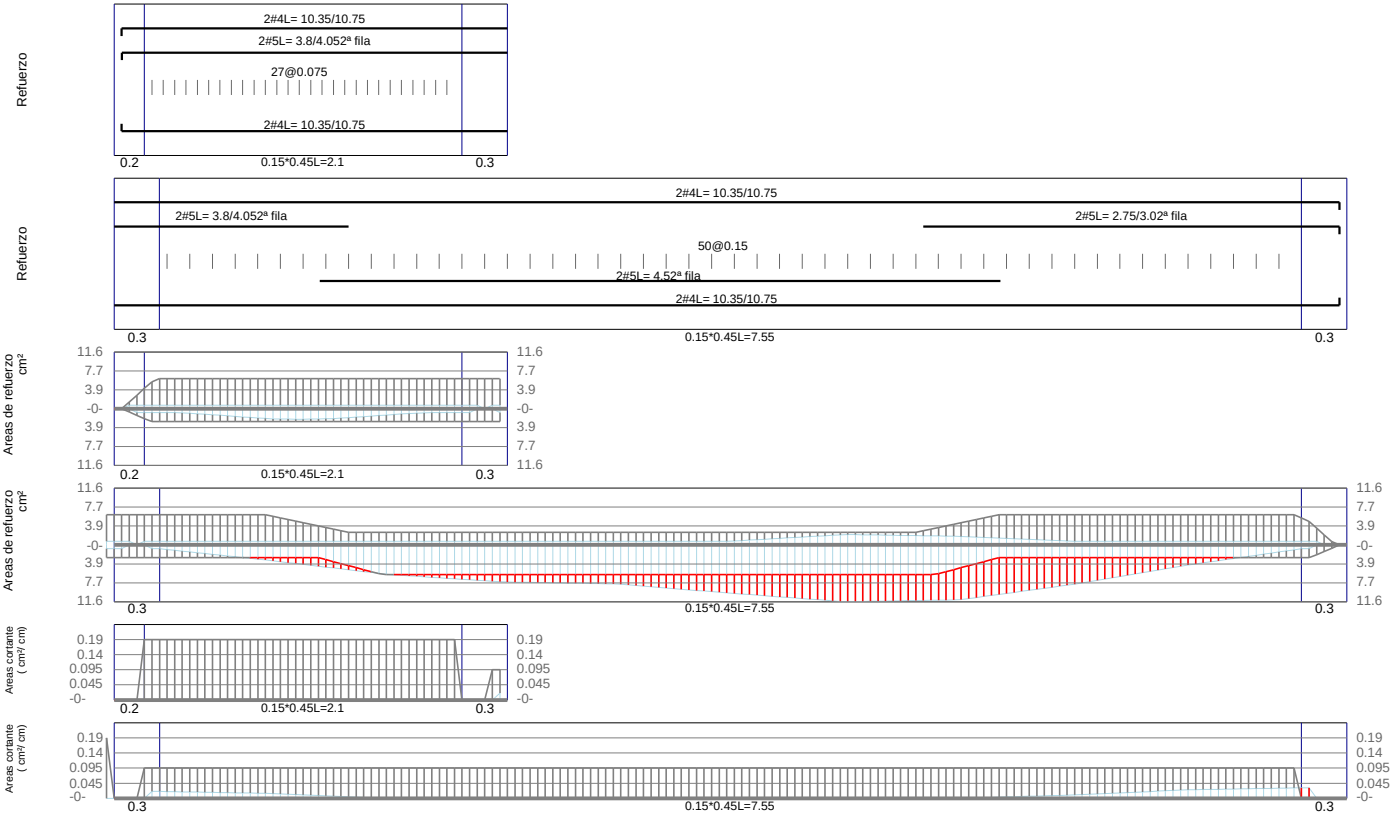
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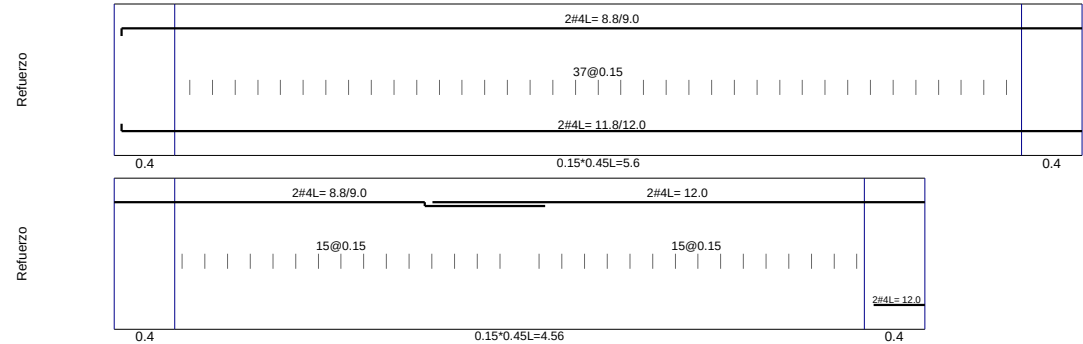
Memorias de Vigas



Vt Vgt 2 - Cubierta / Entrepiso 1



Vt Vgt 4 - cubierta / Entrepiso 1



Nombre Principal

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Propietario

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Norma

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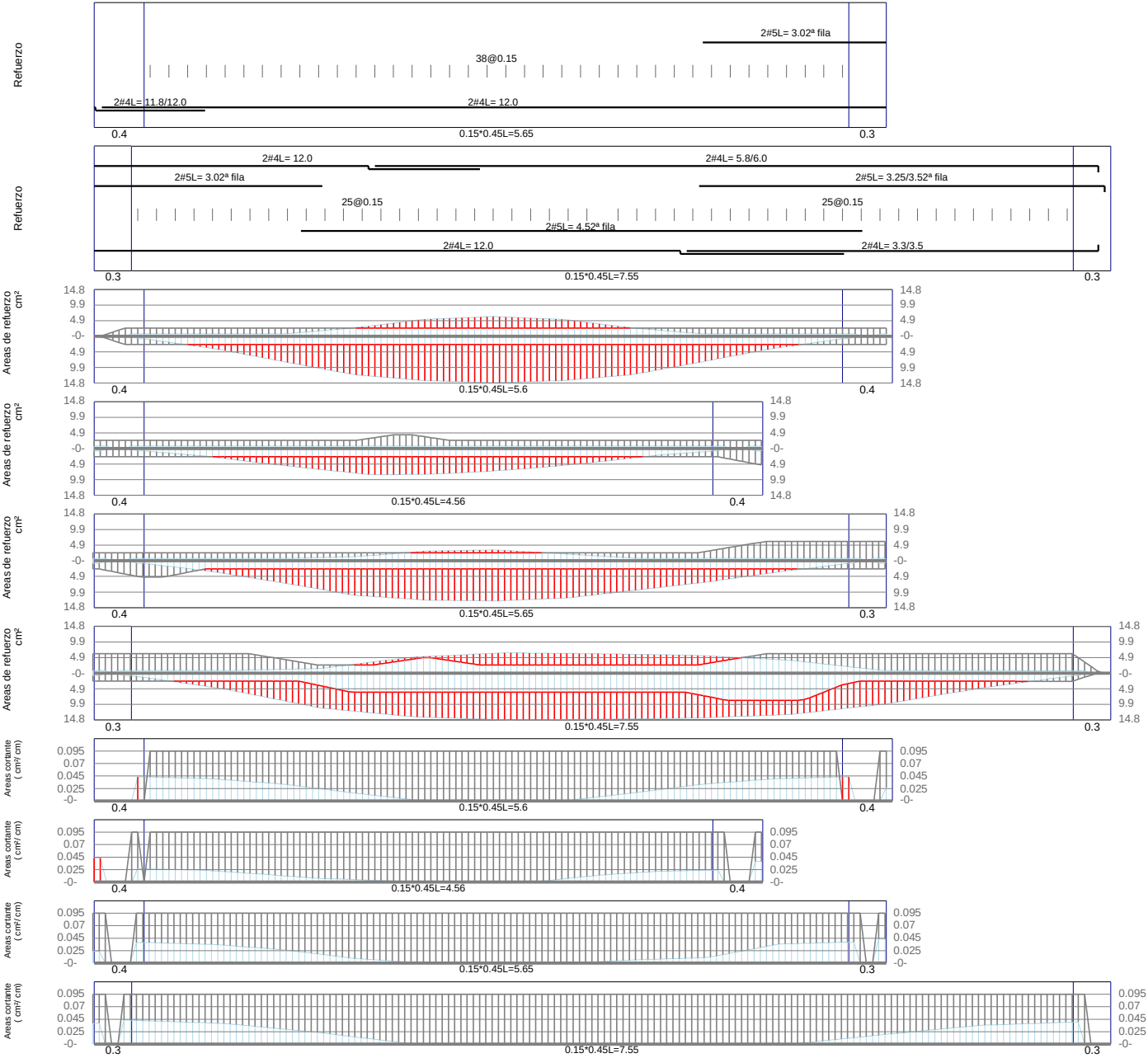
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Diseño Arquitectónico

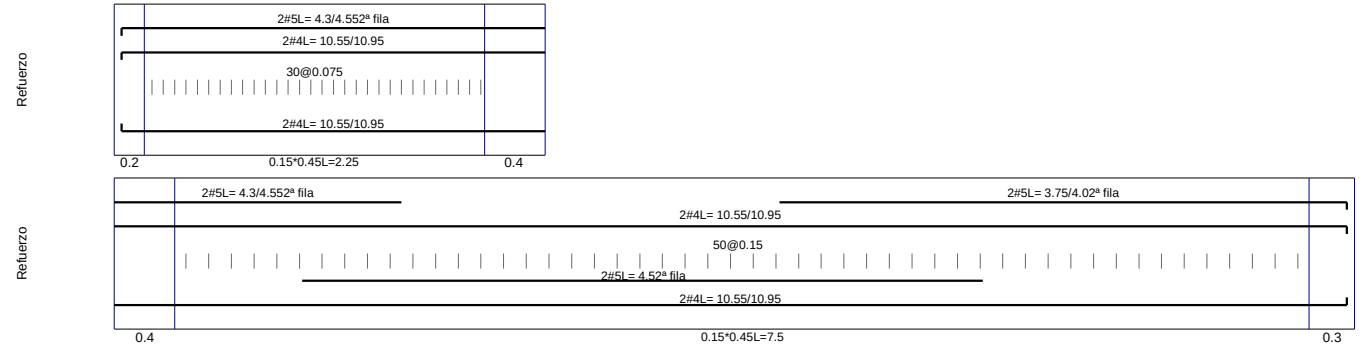
Contenido

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Memorias de Vigas



Vt Vgt 6 - Cubierta / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

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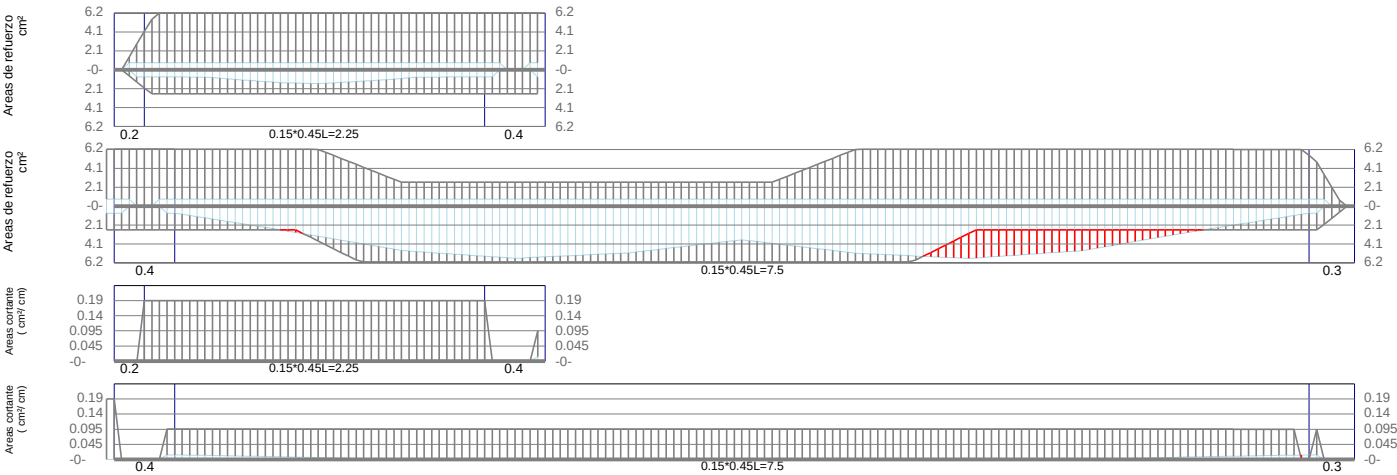
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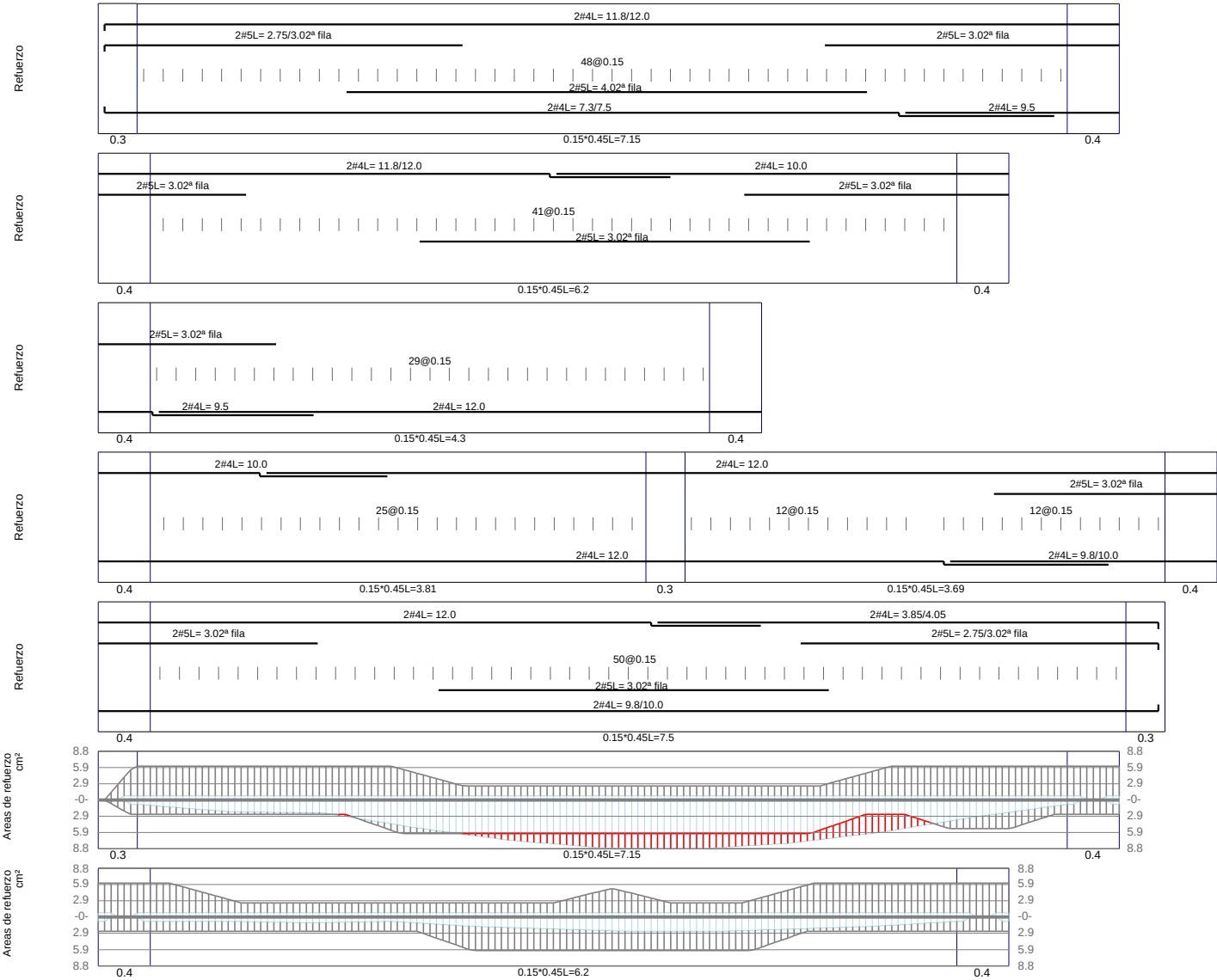
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Código Nimbus

Memorias de Vigas



Vt Vgt 7 - Cubierta / Entrepiso 1



Nombre Principal

Nombre Auxiliar

Propietario

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Dirección

Diseño Arquitectónico

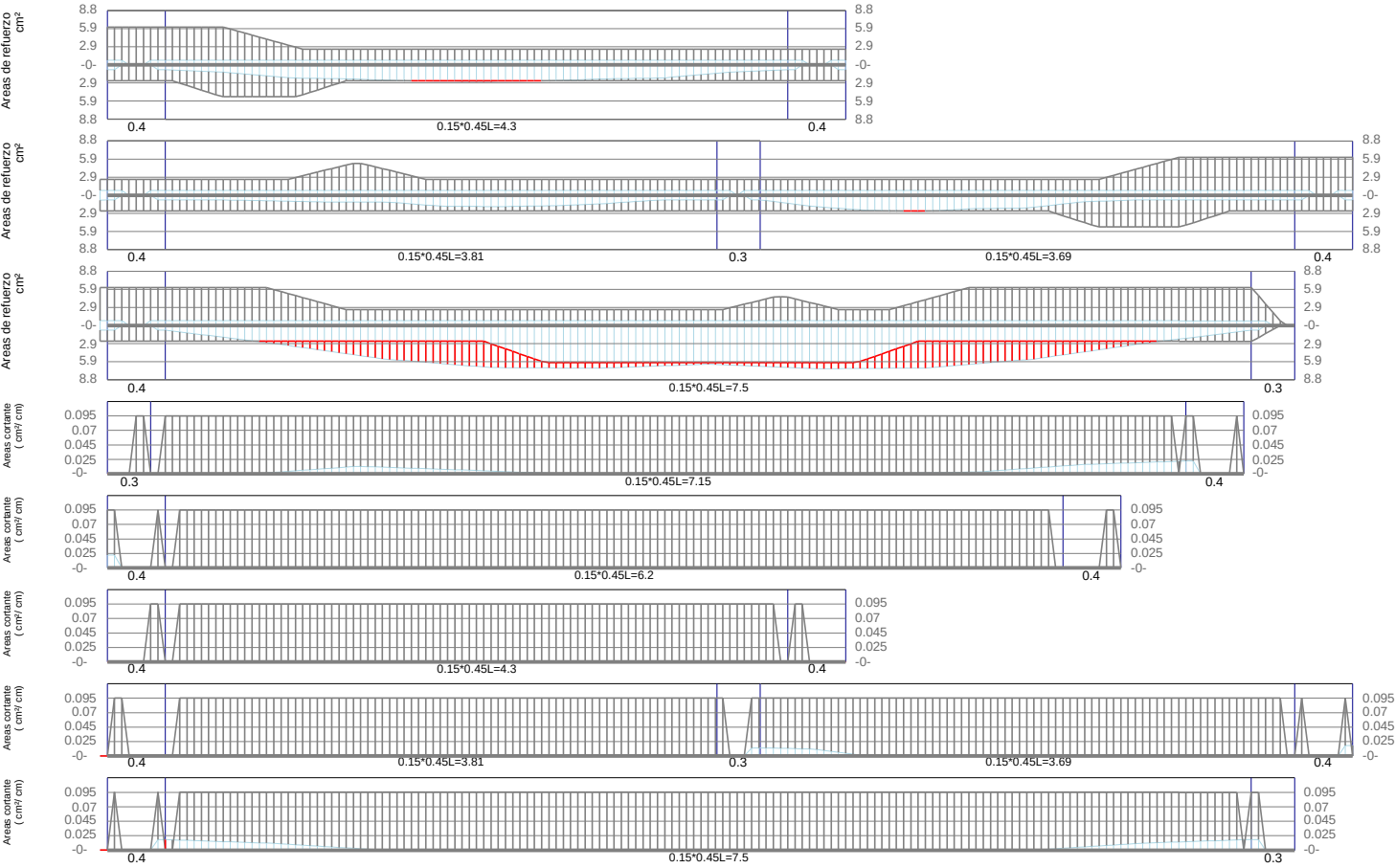
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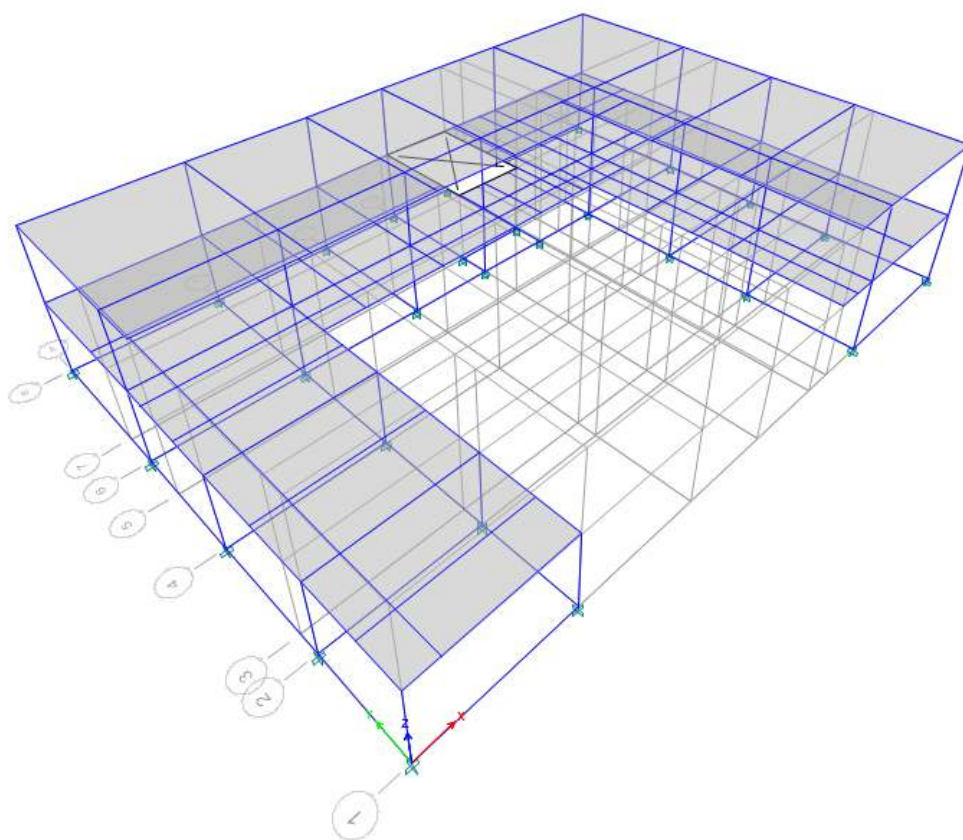
ARG INGENIERIA INTEGRAL SAS

NSR-10 No sísmico

Memorias de Vigas



20. Reporte del programa



Project Report

Model File: Modelo 0 - dinamico, Revision 0
10/07/2026

Table of Contents

1. Structure Data	5
1.1 Story Data	5
1.2 Grid Data	5
1.3 Point Coordinates	5
1.4 Line Connectivity	10
1.5 Area Connectivity	13
1.6 Mass	13
1.7 Groups	14
2. Properties	15
2.1 Materials	15
2.2 Frame Sections	15
2.3 Shell Sections	16
2.4 Reinforcement Sizes	16
2.5 Links	17
2.6 Tendon Sections	17
3. Assignments	18
3.1 Joint Assignments	18
3.2 Frame Assignments	20
3.3 Shell Assignments	25
4. Loads	26
4.1 Load Patterns	26
4.2 Auto Seismic Loading	26
4.3 Applied Loads	37
4.3.1 Line Loads	37
4.3.2 Area Loads	37
4.4 Functions	37
4.4.1 Response Spectrum Functions	37
4.4.2 Time History Functions	40
4.5 Load Cases	40
4.6 Load Combinations	41
5. Analysis Results	45
5.1 Structure Results	45
5.2 Story Results	56
5.3 Point Results	91
5.4 Modal Results	150

List of Tables

Table 1.1 Story Definitions	5
Table 1.2 Grid Definitions - General	5
Table 1.3 Grid Definitions - Grid Lines	5
Table 1.4 Point Bays	5
Table 1.5 Point Object Connectivity	7
Table 1.6 Column Bays	10
Table 1.7 Beam Bays	11
Table 1.8 Floor Bays	13
Table 1.9 Null Area Bays	13
Table 1.10 Mass Source Definition	13
Table 1.11 Centers Of Mass And Rigidity	14
Table 1.12 Mass Summary by Diaphragm	14
Table 1.13 Mass Summary by Story	14
Table 1.14 Mass Summary by Group	14
Table 1.15 Group Definitions	14
Table 2.1 Material Properties - General	15
Table 2.2 Frame Section Property Definitions - Summary	15
Table 2.3 Area Section Property Definitions - Summary	16
Table 2.4 Reinforcing Bar Sizes	16
Table 2.5 Link Property Definitions - Summary	17
Table 2.6 Tendon Section Properties	17
Table 3.1 Joint Assignments - Summary	18
Table 3.2 Frame Assignments - Summary	21
Table 3.3 Area Assignments - Summary	25
Table 4.1 Load Pattern Definitions	26
Table 4.8 Frame Loads Assignments - Distributed	37
Table 4.9 Area Load Assignments - Uniform	37
Table 4.10 Functions - Response Spectrum - User Defined	37
Table 4.11 Functions - Time History - User Defined	40
Table 4.12 Load Case Definitions - Summary	40
Table 4.13 Load Combination Definitions	41
Table 5.1 Base Reactions	45
Table 5.2 Centers Of Mass And Rigidity	48
Table 5.3 Diaphragm Center Of Mass Displacements	49
Table 5.4 Story Max Over Avg Displacements	56
Table 5.5 Story Drifts	63
Table 5.6 Story Max Over Avg Drifts	69

List of Tables

Table 5.7 Story Forces	75
Table 5.8 Joint Reactions	91
Table 5.9 Modal Periods And Frequencies	150
Table 5.10 Modal Participating Mass Ratios	150
Table 5.11 Modal Load Participation Ratios	151
Table 5.12 Modal Direction Factors	151

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 Definitions

Tower	Name	Height cm	Master Story	Similar To	Splice Story	Color
T1	Cubierta	400	No	None	No	Gray8Dark
T1	Entrepiso 1	400	No	None	No	Blue

1.2 Grid Data

Table 1.2 - Grid Definitions - General

Tower	Name	Type	Ux cm	Uy cm	Rz deg	Story Range	Bubble Size cm	Color
T1	G1	Cartesian	0	0	0	Default	125	Gray6

Table 1.3 - Grid Definitions - Grid Lines

Name	Grid Line Type	ID	Ordinate cm	Bubble Location	Visible
G1	X (Cartesian)	A	0	End	Yes
G1	X (Cartesian)	B	750	End	Yes
G1	X (Cartesian)	C	1410	End	Yes
G1	X (Cartesian)	D	1880	End	Yes
G1	X (Cartesian)	E	2296	End	Yes
G1	X (Cartesian)	F	2445	End	Yes
G1	X (Cartesian)	G	2700	End	Yes
G1	X (Cartesian)	H	3485	End	Yes
G1	Y (Cartesian)	1	0	Start	Yes
G1	Y (Cartesian)	2	496	Start	Yes
G1	Y (Cartesian)	3	600	Start	Yes
G1	Y (Cartesian)	4	1096	Start	Yes
G1	Y (Cartesian)	5	1461	Start	Yes
G1	Y (Cartesian)	6	1696	Start	Yes
G1	Y (Cartesian)	7	1876	Start	Yes
G1	Y (Cartesian)	8	2481	Start	Yes

1.3 Point Coordinates

Table 1.4 - Point Bays

Label	Is Auto Point	X cm	Y cm	DZBelow cm
1	No	0	2481	0
2	No	750	2481	0
3	No	1410	2481	0
4	No	1880	2481	0
5	No	2700	2481	0
6	No	3485	2481	0
7	No	0	1696	0
8	No	750	1696	0
9	No	1410	1696	0

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X cm	Y cm	DZBelow cm
10	No	1880	1696	0
11	No	0	0	0
12	No	2700	1696	0
13	No	3485	1696	0
14	No	0	1096	0
15	No	750	1096	0
16	No	2700	1096	0
17	No	3485	1096	0
18	No	0	496	0
19	No	750	496	0
20	No	2700	600	0
21	No	3485	600	0
22	No	2700	0	0
23	No	3485	0	0
24	No	2445	0	0
25	No	2445	600	0
26	No	2445	1096	0
27	No	1410	1461	0
28	No	1880	1461	0
29	No	2296	2481	0
30	No	2296	1696	0
31	No	2296	1461	0
32	No	750	1461	0
33	No	2700	1461	0
34	No	2445	1696	0
35	No	2445	1461	0
36	No	1880	1876	0
37	No	2296	1876	0
38	No	750	0	0
39	No	2700	2500	0
40	No	147.953	0	0
41	No	0	1461	0
42	No	147.953	496	0
45	Yes	2103.17	1585.324	0
46	No	147.953	1096	0
47	No	147.953	1696	0
48	No	147.953	2481	0
49	No	968.371	1461	0
50	No	968.371	1696	0
51	No	968.371	2481	0
52	No	2057.151	1461	0
53	No	2057.151	1696	0
54	No	2057.151	1876	0
55	No	2370.5	1461	0
56	No	2370.5	1696	0
57	No	2370.5	2481	0
58	Yes	1951.184	1391.32	0
59	No	2572.5	600	0
60	No	2572.5	0	0

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X cm	Y cm	DZBelow cm
61	No	2572.5	1096	0
62	No	2572.5	1461	0
63	No	2572.5	1696	0
64	No	2572.5	2481	0
65	No	3092.5	0	0
66	No	3092.5	600	0
67	No	3092.5	1096	0
68	No	3092.5	1696	0
69	No	3092.5	2481	0
70	No	0	213.691	0
71	No	750	213.691	0
72	No	0	796	0
73	No	750	796	0
74	No	0	1325.473	0
75	No	750	1325.473	0
76	No	0	2019.378	0
77	No	750	2019.378	0
78	No	1410	2019.378	0
79	No	1880	2019.378	0
80	No	0	1578.5	0
81	No	750	1578.5	0
82	No	1410	1578.5	0
83	No	1880	1578.5	0
84	No	2296	1578.5	0
85	No	2700	1578.5	0
86	No	3485	1578.5	0
89	No	2296	2111.388	0
90	No	2700	2111.388	0
91	No	3485	2111.388	0
92	No	2445	811.753	0
93	No	2700	811.753	0
94	No	3485	811.753	0

Table 1.5 - Point Object Connectivity

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X cm	Y cm	Z cm
1	No	Cubierta	1	No	0	2481	800
4	No	Cubierta	2	No	750	2481	800
7	No	Cubierta	3	No	1410	2481	800
10	No	Cubierta	4	No	1880	2481	800
13	No	Cubierta	5	No	2700	2481	800
16	No	Cubierta	6	No	3485	2481	800
19	No	Cubierta	7	No	0	1696	800
22	No	Cubierta	8	No	750	1696	800
25	No	Cubierta	9	No	1410	1696	800
28	No	Cubierta	10	No	1880	1696	800
34	No	Cubierta	12	No	2700	1696	800
37	No	Cubierta	13	No	3485	1696	800
46	No	Cubierta	16	No	2700	1096	800

Table 1.5 - Point Object Connectivity (continued)

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X cm	Y cm	Z cm
49	No	Cubierta	17	No	3485	1096	800
58	No	Cubierta	20	No	2700	600	800
61	No	Cubierta	21	No	3485	600	800
64	No	Cubierta	22	No	2700	0	800
67	No	Cubierta	23	No	3485	0	800
70	No	Cubierta	24	No	2445	0	800
72	No	Cubierta	25	No	2445	600	800
74	No	Cubierta	26	No	2445	1096	800
76	No	Cubierta	27	No	1410	1461	800
78	No	Cubierta	28	No	1880	1461	800
86	No	Cubierta	32	No	750	1461	800
87	No	Cubierta	33	No	2700	1461	800
90	No	Cubierta	34	No	2445	1696	800
92	No	Cubierta	35	No	2445	1461	800
105	No	Cubierta	41	No	0	1461	800
40	Yes	Cubierta	45	Yes	2103.17	1585.324	800
2	No	Entrepiso 1	1	No	0	2481	400
5	No	Entrepiso 1	2	No	750	2481	400
8	No	Entrepiso 1	3	No	1410	2481	400
11	No	Entrepiso 1	4	No	1880	2481	400
14	No	Entrepiso 1	5	No	2700	2481	400
17	No	Entrepiso 1	6	No	3485	2481	400
20	No	Entrepiso 1	7	No	0	1696	400
23	No	Entrepiso 1	8	No	750	1696	400
26	No	Entrepiso 1	9	No	1410	1696	400
29	No	Entrepiso 1	10	No	1880	1696	400
35	No	Entrepiso 1	12	No	2700	1696	400
38	No	Entrepiso 1	13	No	3485	1696	400
41	No	Entrepiso 1	14	No	0	1096	400
44	No	Entrepiso 1	15	No	750	1096	400
47	No	Entrepiso 1	16	No	2700	1096	400
50	No	Entrepiso 1	17	No	3485	1096	400
53	No	Entrepiso 1	18	No	0	496	400
56	No	Entrepiso 1	19	No	750	496	400
59	No	Entrepiso 1	20	No	2700	600	400
62	No	Entrepiso 1	21	No	3485	600	400
65	No	Entrepiso 1	22	No	2700	0	400
68	No	Entrepiso 1	23	No	3485	0	400
71	No	Entrepiso 1	24	No	2445	0	400
73	No	Entrepiso 1	25	No	2445	600	400
75	No	Entrepiso 1	26	No	2445	1096	400
77	No	Entrepiso 1	27	No	1410	1461	400
79	No	Entrepiso 1	28	No	1880	1461	400
83	No	Entrepiso 1	29	No	2296	2481	400
82	No	Entrepiso 1	30	No	2296	1696	400
85	No	Entrepiso 1	31	No	2296	1461	400
88	No	Entrepiso 1	32	No	750	1461	400
89	No	Entrepiso 1	33	No	2700	1461	400
91	No	Entrepiso 1	34	No	2445	1696	400

Table 1.5 - Point Object Connectivity (continued)

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X cm	Y cm	Z cm
93	No	Entrepiso 1	35	No	2445	1461	400
94	No	Entrepiso 1	36	No	1880	1876	400
95	No	Entrepiso 1	37	No	2296	1876	400
31	No	Entrepiso 1	11	No	0	0	400
33	No	Entrepiso 1	38	No	750	0	400
52	No	Entrepiso 1	40	No	147.953	0	400
55	No	Entrepiso 1	42	No	147.953	496	400
81	No	Entrepiso 1	46	No	147.953	1096	400
84	No	Entrepiso 1	47	No	147.953	1696	400
96	No	Entrepiso 1	48	No	147.953	2481	400
97	No	Entrepiso 1	49	No	968.371	1461	400
100	No	Entrepiso 1	50	No	968.371	1696	400
106	No	Entrepiso 1	51	No	968.371	2481	400
107	No	Entrepiso 1	52	No	2057.151	1461	400
108	No	Entrepiso 1	53	No	2057.151	1696	400
109	No	Entrepiso 1	54	No	2057.151	1876	400
110	No	Entrepiso 1	55	No	2370.5	1461	400
111	No	Entrepiso 1	56	No	2370.5	1696	400
112	No	Entrepiso 1	57	No	2370.5	2481	400
116	No	Entrepiso 1	59	No	2572.5	600	400
115	No	Entrepiso 1	60	No	2572.5	0	400
117	No	Entrepiso 1	61	No	2572.5	1096	400
118	No	Entrepiso 1	62	No	2572.5	1461	400
119	No	Entrepiso 1	63	No	2572.5	1696	400
120	No	Entrepiso 1	64	No	2572.5	2481	400
121	No	Entrepiso 1	65	No	3092.5	0	400
122	No	Entrepiso 1	66	No	3092.5	600	400
123	No	Entrepiso 1	67	No	3092.5	1096	400
124	No	Entrepiso 1	68	No	3092.5	1696	400
125	No	Entrepiso 1	69	No	3092.5	2481	400
126	No	Entrepiso 1	70	No	0	213.691	400
127	No	Entrepiso 1	71	No	750	213.691	400
128	No	Entrepiso 1	72	No	0	796	400
129	No	Entrepiso 1	73	No	750	796	400
130	No	Entrepiso 1	74	No	0	1325.473	400
131	No	Entrepiso 1	75	No	750	1325.473	400
132	No	Entrepiso 1	76	No	0	2019.378	400
133	No	Entrepiso 1	77	No	750	2019.378	400
134	No	Entrepiso 1	78	No	1410	2019.378	400
135	No	Entrepiso 1	79	No	1880	2019.378	400
136	No	Entrepiso 1	80	No	0	1578.5	400
137	No	Entrepiso 1	81	No	750	1578.5	400
138	No	Entrepiso 1	82	No	1410	1578.5	400
139	No	Entrepiso 1	83	No	1880	1578.5	400
140	No	Entrepiso 1	84	No	2296	1578.5	400
141	No	Entrepiso 1	85	No	2700	1578.5	400
142	No	Entrepiso 1	86	No	3485	1578.5	400
145	No	Entrepiso 1	89	No	2296	2111.388	400
146	No	Entrepiso 1	90	No	2700	2111.388	400

Table 1.5 - Point Object Connectivity (continued)

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X cm	Y cm	Z cm
147	No	Entrepiso 1	91	No	3485	2111.388	400
148	No	Entrepiso 1	92	No	2445	811.753	400
149	No	Entrepiso 1	93	No	2700	811.753	400
150	No	Entrepiso 1	94	No	3485	811.753	400
43	Yes	Entrepiso 1	58	Yes	1951.184	1391.32	400
3	No	Base	1	No	0	2481	0
6	No	Base	2	No	750	2481	0
9	No	Base	3	No	1410	2481	0
12	No	Base	4	No	1880	2481	0
15	No	Base	5	No	2700	2481	0
18	No	Base	6	No	3485	2481	0
21	No	Base	7	No	0	1696	0
24	No	Base	8	No	750	1696	0
27	No	Base	9	No	1410	1696	0
30	No	Base	10	No	1880	1696	0
36	No	Base	12	No	2700	1696	0
39	No	Base	13	No	3485	1696	0
42	No	Base	14	No	0	1096	0
45	No	Base	15	No	750	1096	0
48	No	Base	16	No	2700	1096	0
51	No	Base	17	No	3485	1096	0
54	No	Base	18	No	0	496	0
57	No	Base	19	No	750	496	0
60	No	Base	20	No	2700	600	0
63	No	Base	21	No	3485	600	0
66	No	Base	22	No	2700	0	0
69	No	Base	23	No	3485	0	0
101	No	Base	29	No	2296	2481	0
102	No	Base	30	No	2296	1696	0
103	No	Base	36	No	1880	1876	0
104	No	Base	37	No	2296	1876	0
32	No	Base	11	No	0	0	0
98	No	Base	38	No	750	0	0
99	No	Base	39	No	2700	2500	0

1.4 Line Connectivity

Table 1.6 - Column Bays

Label	PointBayI	PointBayJ	IEndStory
C1	1	1	Below
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

Table 1.6 - Column Bays (continued)

Label	PointBayI	PointBayJ	IEndStory
C11	11	11	Below
C12	12	12	Below
C13	13	13	Below
C14	14	14	Below
C15	15	15	Below
C16	16	16	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	38	38	Below

Table 1.7 - Beam Bays

Label	PointBayI	PointBayJ
B1	11	38
B2	38	19
B3	11	18
B4	40	42
B6	42	46
B7	46	47
B8	18	19
B9	47	48
B10	14	15
B11	49	50
B12	50	51
B13	30	29
B14	31	30
B15	16	12
B16	5	39
B17	10	30
B18	1	2
B19	2	3
B20	3	4
B21	4	29
B22	29	5
B23	5	6
B24	23	21
B25	21	17
B26	17	13
B27	13	6
B28	24	22
B29	22	23
B30	25	20
B31	20	21
B32	26	16
B33	16	17
B34	7	8

Table 1.7 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B35	8	9
B36	9	10
B37	30	12
B38	10	36
B39	36	4
B40	12	13
B41	18	14
B42	14	7
B43	7	1
B44	19	15
B45	30	37
B46	37	29
B47	8	2
B48	27	9
B49	9	3
B50	28	10
B51	10	4
B52	32	27
B53	27	28
B54	28	31
B55	32	8
B56	41	7
B57	22	20
B58	20	16
B59	16	33
B60	33	12
B61	12	5
B62	24	25
B63	25	26
B64	26	35
B65	35	34
B66	31	33
B67	41	32
B68	10	12
B69	15	8
B70	4	5
B71	36	37
B72	52	53
B73	53	54
B74	35	33
B75	28	35
B76	55	56
B77	56	57
B79	60	59
B80	59	61
B81	61	62
B82	62	63
B83	63	64
B84	65	66
B85	66	67

Table 1.7 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B86	67	68
B87	68	69
B88	70	71
B89	72	73
B90	74	75
B91	76	77
B92	77	78
B93	78	79
B94	80	81
B95	81	82
B96	82	83
B97	83	84
B98	84	85
B99	85	86
B101	89	90
B102	90	91
B103	92	93
B104	93	94

1.5 Area Connectivity**Table 1.8 - Floor Bays**

Label	NumPoints	PointNumber	PointBay
F1	8	1	11
F1		2	38
F1		3	32
F1		4	35
F1		5	24
F1		6	23
F1		7	6
F1		8	1
F2	6	1	1
F2		2	6
F2		3	23
F2		4	24
F2		5	35
F2		6	41

Table 1.9 - Null Area Bays

Label	NumPoints	PointNumber	PointBay	PointStory
A1	4	1	36	Same
A1		2	37	Same
A1		3	29	Same
A1		4	4	Same

1.6 Mass

Table 1.10 - Mass Source Definition

Name	Is Default	Include Lateral Mass?	Include Vertical Mass?	Lump Mass?	Source Self Mass?	Source Added Mass?	Source Load Patterns?	Move Mass Centroid?	Load Pattern	Multiplier
MsSrc1	Yes	Yes	No	Yes	No	No	Yes	No	Dead	1

Table 1.11 - Centers Of Mass And Rigidity (Part 1 of 2)

Story	Diaphragm	Mass X tonf-s2/cm	Mass Y tonf-s2/cm	XCM cm	YCM cm	Cum Mass X tonf-s2/cm	Cum Mass Y tonf-s2/cm	XCCM cm	YCCM cm
Cubierta	D1	0.411133	0.411133	2103.17	1585.324	0.411133	0.411133	2103.17	1585.324
Entrepiso 1	D1	0.301228	0.301228	1951.184	1391.32	0.712361	0.712361	2038.901	1503.288

Table 1.11 - Centers Of Mass And Rigidity (Part 2 of 2)

Story	Diaphragm	XCR cm	YCR cm
Cubierta	D1		
Entrepiso 1	D1		

Table 1.12 - Mass Summary by Diaphragm

Story	Diaphragm	Mass X tonf-s2/cm	Mass Y tonf-s2/cm	Mass Moment of Inertia tonf-cm-s2	X Mass Center cm	Y Mass Center cm
Cubierta	D1	0.411133	0.411133	695758.562	2103.17	1585.324
Entrepiso 1	D1	0.301228	0.301228	567946.941	1951.184	1391.32

Table 1.13 - Mass Summary by Story

Story	UX tonf-s2/cm	UY tonf-s2/cm	UZ tonf-s2/cm
Cubierta	0.411133	0.411133	0
Entrepiso 1	0.709743	0.709743	0
Base	0.096426	0.096426	0

Table 1.14 - Mass Summary by Group

Group	Self Mass tonf-s2/cm	Self Weight tonf	Mass X tonf-s2/cm	Mass Y tonf-s2/cm	Mass Z tonf-s2/cm
All	0	365.79598	0.818298	0.818298	0

1.7 Groups

Table 1.15 - Group Definitions

Name	Color	Steel Design?	Concrete Design?	Composite Design?
All	Yellow	No	No	No

2 Properties

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

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
3000Psi	Concrete	Isotropic	f'c 3000 psi	Gray8Dark	
4000Psi	Concrete	Isotropic	f'c 4000 psi	Gray8Dark	
A416Gr270	Tendon	Uniaxial	Grade 270	Green	
A500GrC - PTE	Steel	Isotropic	Grade B, Fy 42 (HSS Round)	Green	
A615Gr60	Rebar	Uniaxial	Grade 60	Blue	
A992Fy50	Steel	Isotropic	Grade 50	Yellow	
Mamposteria	Masonry	Isotropic	f'cm 1500 psi	Cyan	
NN	Concrete	Isotropic	f'c 3000 psi	Gray8Dark	

2.2 Frame Sections

Table 2.2 - Frame Section Property Definitions - Summary (Part 1 of 3)

Name	Material	Shape	Color	Area cm ²	J cm ⁴	I33 cm ⁴	I22 cm ⁴	As2 cm ²	As3 cm ²
Col 30x30	4000Psi	Concrete Rectangular	16744576	900	114075	67500	67500	750	750
col 40x40	3000Psi	Concrete Rectangular	Magenta	1600	360533.3	213333.3	213333.3	1333.3	1333.3
Col 50x120	3000Psi	Concrete Rectangular	Blue	6000	3690796.7	7200000	1250000	5000	5000
Col 50x50	4000Psi	Concrete Rectangular	DarkCyan	2500	880208.3	520833.3	520833.3	2083.3	2083.3
ConcBm	3000Psi	Concrete Rectangular	Gray8Dark	1875	474572.9	390625	219726.6	1562.5	1562.5
ConcCol	3000Psi	Concrete Rectangular	Yellow	1406.3	278503.4	164794.9	164794.9	1171.9	1171.9
SteelBm	A992Fy50	Steel I/Wide Flange	Magenta	71.4	25.7	30343.2	965.5	31.3	37.4
SteelCol	A992Fy50	Steel I/Wide Flange	Red	306.3	551.8	150638	52090.7	63.4	222.5
Vg 20x45	4000Psi	Concrete Rectangular	Red	900	86509.3	151875	30000	750	750
Vg 30x45	4000Psi	Concrete Rectangular	Magenta	1350	237700	227812.5	101250	1125	1125
Vg 30x50	3000Psi	Concrete Rectangular	16384	1500	281737.1	312500	112500	1250	1250
vg 40x45	3000Psi	Concrete Rectangular	Gray8Dark	1800	450368.4	303750	240000	1500	1500
vg 40x50	4000Psi	Concrete Rectangular	Blue	2000	547416.7	416666.7	266666.7	1666.7	1666.7
vg c 30x40	3000Psi	Concrete Rectangular	Blue	1200	194385.1	160000	90000	1000	1000
vg cim 40x40	3000Psi	Concrete Rectangular	Cyan	1600	360533.3	213333.3	213333.3	1333.3	1333.3
Vg cin 25x20	3000Psi	Concrete Rectangular	Red	500	34213.5	26041.7	16666.7	416.7	416.7
Vgt 15x45	3000Psi	Concrete Rectangular	Gray8Dark	675	40004.7	113906.3	12656.3	562.5	562.5

Table 2.2 - Frame Section Property Definitions - Summary (Part 2 of 3)

Name	S33Pos cm ³	S33Neg cm ³	S22Pos cm ³	S22Neg cm ³	Z33 cm ³	Z22 cm ³	R33 cm	R22 cm	Cw cm ⁶	CG Offset 3 cm	CG Offset 2 cm
Col 30x30	4500	4500	4500	4500	6750	6750	8.66	8.66		0	0
col 40x40	10666.7	10666.7	10666.7	10666.7	16000	16000	11.547	11.547		0	0
Col 50x120	120000	120000	50000	50000	180000	75000	34.641	14.434		0	0
Col 50x50	20833.3	20833.3	20833.3	20833.3	31250	31250	14.434	14.434		0	0
ConcBm	15625	15625	11718.8	11718.8	23437.5	17578.1	14.434	10.825		0	0
ConcCol	8789.1	8789.1	8789.1	8789.1	13183.6	13183.6	10.825	10.825		0	0
SteelBm	1213.7	1213.7	115.9	115.9	1368.2	178.2	20.622	3.678	573052.3	0	0
SteelCol	6025.5	6025.5	2083.6	2083.6	6570.3	3142.6	22.178	13.042	29378255.2	0	0

Table 2.2 - Frame Section Property Definitions - Summary (Part 2 of 3, continued)

Name	S33Pos cm ³	S33Neg cm ³	S22Pos cm ³	S22Neg cm ³	Z33 cm ³	Z22 cm ³	R33 cm	R22 cm	Cw cm ⁶	CG Offset 3 cm	CG Offset 2 cm
Vg 20x45	6750	6750	3000	3000	10125	4500	12.99	5.774		0	0
Vg 30x45	10125	10125	6750	6750	15187.5	10125	12.99	8.66		0	0
Vg 30x50	12500	12500	7500	7500	18750	11250	14.434	8.66		0	0
vg 40x45	13500	13500	12000	12000	20250	18000	12.99	11.547		0	0
vg 40x50	16666.7	16666.7	13333.3	13333.3	25000	20000	14.434	11.547		0	0
vg c 30x40	8000	8000	6000	6000	12000	9000	11.547	8.66		0	0
vg cim 40x40	10666.7	10666.7	10666.7	10666.7	16000	16000	11.547	11.547		0	0
Vg cin 25x20	2083.3	2083.3	1666.7	1666.7	3125	2500	7.217	5.774		0	0
Vgt 15x45	5062.5	5062.5	1687.5	1687.5	7593.8	2531.3	12.99	4.33		0	0

Table 2.2 - Frame Section Property Definitions - Summary (Part 3 of 3)

Name	PNA Offset 2 cm	Area Modifier	As2 Modifier	As3 Modifier	J Modifier	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
Col 30x30	0	1	1	1	1	1	1	1	1
col 40x40	0	1	1	1	1	1	1	1	1
Col 50x120	0	1	1	1	1	1	1	1	1
Col 50x50	0	1	1	1	1	1	1	1	1
ConcBm	0	1	1	1	1	1	1	1	1
ConcCol	0	1	1	1	1	1	1	1	1
SteelBm	0	1	1	1	1	1	1	1	1
SteelCol	0	1	1	1	1	1	1	1	1
Vg 20x45	0	1	1	1	1	1	1	1	1
Vg 30x45	0	1	1	1	1	1	1	1	1
Vg 30x50	0	1	1	1	1	1	1	1	1
vg 40x45	0	1	1	1	1	1	1	1	1
vg 40x50	0	1	1	1	1	1	1	1	1
vg c 30x40	0	1	1	1	1	1	1	1	1
vg cim 40x40	0	1	1	1	1	1	1	1	1
Vg cin 25x20	0	1	1	1	1	1	1	1	1
Vgt 15x45	0	1	1	1	1	1	1	1	1

2.3 Shell Sections

Table 2.3 - Area Section Property Definitions - Summary

Name	Type	Element Type	Material	Total Thickness cm	Deck Material	Deck Depth cm
Deck1	Deck	Membrane	3000Psi	16.25	A992Fy50	7.5
Losa 45	Slab	Membrane	3000Psi	45		
Losa Cubierta	Slab	Membrane	NN	5		
M 25	Wall	Shell-Thin	3000Psi	25		
Wall1	Wall	Shell-Thin	3000Psi	25		

2.4 Reinforcement Sizes

Table 2.4 - Reinforcing Bar Sizes

Name	Diameter cm	Area cm2
6	0.6	0.3
8	0.8	0.5
10	1	0.8
12	1.2	1.1
14	1.4	1.5
16	1.6	2
18	1.8	2.5
20	2	3.1
22	2.2	3.8
25	2.5	4.9
26	2.6	5.3
28	2.8	6.2
32	3.2	8
36	3.6	10.2
40	4	12.6
50	5	19.6

2.5 Links**Table 2.5 - Link Property Definitions - Summary**

Name	Type	Degrees of Freedom	Mass tonf-s2/cm	Weight tonf	Defined Length cm	Defined Area cm2
Link1	Linear	U1	0	0	100	10000

2.6 Tendon Sections**Table 2.6 - Tendon Section Properties**

Name	Material	StrandArea cm2	Color	Notes
Tendon1	A416Gr270	1	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	UniqueName	Diaphragm	Restraints
Cubierta	1	1	D1	
Cubierta	2	4	D1	
Cubierta	3	7	D1	
Cubierta	4	10	D1	
Cubierta	5	13	D1	
Cubierta	6	16	D1	
Cubierta	7	19	D1	
Cubierta	8	22	D1	
Cubierta	9	25	D1	
Cubierta	10	28	D1	
Cubierta	12	34	D1	
Cubierta	13	37	D1	
Cubierta	16	46	D1	
Cubierta	17	49	D1	
Cubierta	20	58	D1	
Cubierta	21	61	D1	
Cubierta	22	64	D1	
Cubierta	23	67	D1	
Cubierta	24	70	D1	
Cubierta	25	72	D1	
Cubierta	26	74	D1	
Cubierta	27	76	D1	
Cubierta	28	78	D1	
Cubierta	32	86	D1	
Cubierta	33	87	D1	
Cubierta	34	90	D1	
Cubierta	35	92	D1	
Cubierta	41	105	D1	
Cubierta	45	40	D1	
Entrepiso 1	1	2	D1	
Entrepiso 1	2	5	D1	
Entrepiso 1	3	8	D1	
Entrepiso 1	4	11	D1	
Entrepiso 1	5	14	D1	
Entrepiso 1	6	17	D1	
Entrepiso 1	7	20	D1	
Entrepiso 1	8	23	D1	
Entrepiso 1	9	26	D1	
Entrepiso 1	10	29	D1	
Entrepiso 1	12	35	D1	
Entrepiso 1	13	38	D1	
Entrepiso 1	14	41	D1	
Entrepiso 1	15	44	D1	
Entrepiso 1	16	47	D1	
Entrepiso 1	17	50	D1	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Entrepiso 1	18	53	D1	
Entrepiso 1	19	56	D1	
Entrepiso 1	20	59	D1	
Entrepiso 1	21	62	D1	
Entrepiso 1	22	65	D1	
Entrepiso 1	23	68	D1	
Entrepiso 1	24	71	D1	
Entrepiso 1	25	73	D1	
Entrepiso 1	26	75	D1	
Entrepiso 1	27	77	D1	
Entrepiso 1	28	79	D1	
Entrepiso 1	29	83	D1	
Entrepiso 1	30	82	D1	
Entrepiso 1	31	85	D1	
Entrepiso 1	32	88	D1	
Entrepiso 1	33	89	D1	
Entrepiso 1	34	91	D1	
Entrepiso 1	35	93	D1	
Entrepiso 1	36	94	D1	
Entrepiso 1	37	95	D1	
Entrepiso 1	11	31	D1	
Entrepiso 1	38	33	D1	
Entrepiso 1	40	52	From Area	
Entrepiso 1	42	55	From Area	
Entrepiso 1	46	81	From Area	
Entrepiso 1	47	84	From Area	
Entrepiso 1	48	96	From Area	
Entrepiso 1	49	97	From Area	
Entrepiso 1	50	100	From Area	
Entrepiso 1	51	106	From Area	
Entrepiso 1	52	107	From Area	
Entrepiso 1	53	108	From Area	
Entrepiso 1	54	109	From Area	
Entrepiso 1	55	110	From Area	
Entrepiso 1	56	111	From Area	
Entrepiso 1	57	112	From Area	
Entrepiso 1	59	116	From Area	
Entrepiso 1	60	115	From Area	
Entrepiso 1	61	117	From Area	
Entrepiso 1	62	118	From Area	
Entrepiso 1	63	119	From Area	
Entrepiso 1	64	120	From Area	
Entrepiso 1	65	121	From Area	
Entrepiso 1	66	122	From Area	
Entrepiso 1	67	123	From Area	
Entrepiso 1	68	124	From Area	
Entrepiso 1	69	125	From Area	
Entrepiso 1	70	126	From Area	
Entrepiso 1	71	127	From Area	
Entrepiso 1	72	128	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Entrepiso 1	73	129	From Area	
Entrepiso 1	74	130	From Area	
Entrepiso 1	75	131	From Area	
Entrepiso 1	76	132	From Area	
Entrepiso 1	77	133	From Area	
Entrepiso 1	78	134	From Area	
Entrepiso 1	79	135	From Area	
Entrepiso 1	80	136	From Area	
Entrepiso 1	81	137	From Area	
Entrepiso 1	82	138	From Area	
Entrepiso 1	83	139	From Area	
Entrepiso 1	84	140	From Area	
Entrepiso 1	85	141	From Area	
Entrepiso 1	86	142	From Area	
Entrepiso 1	89	145	From Area	
Entrepiso 1	90	146	From Area	
Entrepiso 1	91	147	From Area	
Entrepiso 1	92	148	From Area	
Entrepiso 1	93	149	From Area	
Entrepiso 1	94	150	From Area	
Entrepiso 1	58	43	D1	
Base	1	3	From Area	UX; UY; UZ; RX; RY; RZ
Base	2	6	From Area	UX; UY; UZ; RX; RY; RZ
Base	3	9	From Area	UX; UY; UZ; RX; RY; RZ
Base	4	12	From Area	UX; UY; UZ; RX; RY; RZ
Base	5	15	From Area	UX; UY; UZ; RX; RY; RZ
Base	6	18	From Area	UX; UY; UZ; RX; RY; RZ
Base	7	21	From Area	UX; UY; UZ; RX; RY; RZ
Base	8	24	From Area	UX; UY; UZ; RX; RY; RZ
Base	9	27	From Area	UX; UY; UZ; RX; RY; RZ
Base	10	30	From Area	UX; UY; UZ; RX; RY; RZ
Base	12	36	From Area	UX; UY; UZ; RX; RY; RZ
Base	13	39	From Area	UX; UY; UZ; RX; RY; RZ
Base	14	42	From Area	UX; UY; UZ; RX; RY; RZ
Base	15	45	From Area	UX; UY; UZ; RX; RY; RZ
Base	16	48	From Area	UX; UY; UZ; RX; RY; RZ
Base	17	51	From Area	UX; UY; UZ; RX; RY; RZ
Base	18	54	From Area	UX; UY; UZ; RX; RY; RZ
Base	19	57	From Area	UX; UY; UZ; RX; RY; RZ
Base	20	60	From Area	UX; UY; UZ; RX; RY; RZ
Base	21	63	From Area	UX; UY; UZ; RX; RY; RZ
Base	22	66	From Area	UX; UY; UZ; RX; RY; RZ
Base	23	69	From Area	UX; UY; UZ; RX; RY; RZ
Base	29	101	From Area	UX; UY; UZ; RX; RY; RZ
Base	30	102	From Area	UX; UY; UZ; RX; RY; RZ
Base	36	103	From Area	UX; UY; UZ; RX; RY; RZ
Base	37	104	From Area	UX; UY; UZ; RX; RY; RZ
Base	11	32	From Area	UX; UY; UZ; RX; RY; RZ
Base	38	98	From Area	UX; UY; UZ; RX; RY; RZ
Base	39	99	From Area	UX; UY; UZ; RX; RY; RZ

3.2 Frame Assignments

Table 3.2 - Frame Assignments - Summary

Story	Label	UniqueName	Design Type	Length cm	Analysis Section	Design Section	Min Number Stations	Releases
Cubierta	B18	81	Beam	750	Vg 30x45	Vg 30x45	11	
Cubierta	B19	82	Beam	660	Vg 30x45	Vg 30x45	11	
Cubierta	B20	83	Beam	470	Vg 30x45	Vg 30x45	11	
Cubierta	B23	86	Beam	785	Vg 30x45	Vg 30x45	11	
Cubierta	B24	93	Beam	600	Vg 30x45	Vg 30x45	11	
Cubierta	B25	94	Beam	496	Vg 30x45	Vg 30x45	11	
Cubierta	B26	95	Beam	600	Vg 30x45	Vg 30x45	11	
Cubierta	B27	96	Beam	785	Vg 30x45	Vg 30x45	11	
Cubierta	B28	101	Beam	255	vg 40x45	vg 40x45	11	
Cubierta	B29	102	Beam	785	vg 40x45	vg 40x45	11	
Cubierta	B30	105	Beam	255	vg 40x45	vg 40x45	11	
Cubierta	B31	106	Beam	785	vg 40x45	vg 40x45	11	
Cubierta	B32	109	Beam	255	vg 40x45	vg 40x45	11	
Cubierta	B33	110	Beam	785	vg 40x45	vg 40x45	11	
Cubierta	B34	113	Beam	750	Vg 30x45	Vg 30x45	11	
Cubierta	B35	114	Beam	660	Vg 30x45	Vg 30x45	11	
Cubierta	B36	115	Beam	470	Vg 30x45	Vg 30x45	11	
Cubierta	B40	119	Beam	785	Vg 30x45	Vg 30x45	11	
Cubierta	B43	129	Beam	785	vg 40x45	vg 40x45	11	
Cubierta	B47	136	Beam	785	vg 40x45	vg 40x45	11	
Cubierta	B48	141	Beam	235	vg 40x45	vg 40x45	11	
Cubierta	B49	142	Beam	785	vg 40x45	vg 40x45	11	
Cubierta	B50	145	Beam	235	vg 40x45	vg 40x45	11	
Cubierta	B51	146	Beam	785	vg 40x45	vg 40x45	11	
Cubierta	B52	149	Beam	660	Vg 20x45	Vg 20x45	11	
Cubierta	B53	150	Beam	470	Vg 20x45	Vg 20x45	11	
Cubierta	B57	159	Beam	600	Vg 30x45	Vg 30x45	11	
Cubierta	B58	160	Beam	496	Vg 30x45	Vg 30x45	11	
Cubierta	B59	161	Beam	365	Vg 30x45	Vg 30x45	11	
Cubierta	B60	162	Beam	235	Vg 30x45	Vg 30x45	11	
Cubierta	B61	163	Beam	785	Vg 30x45	Vg 30x45	11	
Cubierta	B62	169	Beam	600	Vg 20x45	Vg 20x45	11	
Cubierta	B63	170	Beam	496	Vg 20x45	Vg 20x45	11	
Cubierta	B64	171	Beam	365	Vg 20x45	Vg 20x45	11	
Cubierta	B65	172	Beam	235	Vg 20x45	Vg 20x45	11	
Cubierta	B68	116	Beam	820	Vg 30x45	Vg 30x45	11	
Cubierta	B55	200	Beam	235	vg 40x45	vg 40x45	11	
Cubierta	B56	201	Beam	235	vg 40x45	vg 40x45	11	
Cubierta	B67	202	Beam	750	Vg 20x45	Vg 20x45	11	
Cubierta	B70	84	Beam	820	Vg 30x45	Vg 30x45	11	
Cubierta	B74	204	Beam	255	Vg 20x45	Vg 20x45	11	
Cubierta	B75	151	Beam	565	Vg 20x45	Vg 20x45	11	
Cubierta	C1	1	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C2	3	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C3	5	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C4	7	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C5	9	Column	400	Col 50x50	Col 50x50	11	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length cm	Analysis Section	Design Section	Min Number Stations	Releases
Cubierta	C6	11	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C7	13	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C8	15	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C9	17	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C10	19	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C12	23	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C13	25	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C16	31	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C17	33	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C20	39	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C21	41	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C22	43	Column	400	Col 50x50	Col 50x50	11	
Cubierta	C23	45	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	B8	62	Beam	750	Vg 30x50	Vg 30x50	11	
Entrepiso 1	B10	66	Beam	750	Vg 30x50	Vg 30x50	11	
Entrepiso 1	B13	72	Beam	785	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B14	74	Beam	235	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B18	87	Beam	750	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B19	88	Beam	660	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B20	89	Beam	470	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B23	92	Beam	785	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B24	97	Beam	600	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B25	98	Beam	496	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B26	99	Beam	600	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B27	100	Beam	785	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B28	103	Beam	255	vg 40x45	vg 40x45	11	
Entrepiso 1	B29	104	Beam	785	vg 40x45	vg 40x45	11	
Entrepiso 1	B30	107	Beam	255	vg 40x45	vg 40x45	11	
Entrepiso 1	B31	108	Beam	785	vg 40x45	vg 40x45	11	
Entrepiso 1	B32	111	Beam	255	vg 40x45	vg 40x45	11	
Entrepiso 1	B33	112	Beam	785	vg 40x45	vg 40x45	11	
Entrepiso 1	B34	120	Beam	750	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B35	121	Beam	660	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B36	122	Beam	470	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B40	126	Beam	785	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B41	130	Beam	600	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B42	131	Beam	600	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B43	132	Beam	785	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B44	137	Beam	600	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B47	140	Beam	785	vg 40x50	vg 40x50	11	
Entrepiso 1	B48	143	Beam	235	vg 40x50	vg 40x50	11	
Entrepiso 1	B49	144	Beam	785	vg 40x50	vg 40x50	11	
Entrepiso 1	B50	147	Beam	235	vg 40x50	vg 40x50	11	
Entrepiso 1	B51	148	Beam	785	vg 40x50	vg 40x50	11	
Entrepiso 1	B52	154	Beam	660	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B53	155	Beam	470	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B54	156	Beam	416	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B57	164	Beam	600	vg 40x45	vg 40x45	11	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length cm	Analysis Section	Design Section	Min Number Stations	Releases
Entrepiso 1	B58	165	Beam	496	vg 40x45	vg 40x45	11	
Entrepiso 1	B59	166	Beam	365	vg 40x45	vg 40x45	11	
Entrepiso 1	B60	167	Beam	235	vg 40x50	vg 40x50	11	
Entrepiso 1	B61	168	Beam	785	vg 40x50	vg 40x50	11	
Entrepiso 1	B62	173	Beam	600	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B63	174	Beam	496	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B64	175	Beam	365	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B65	176	Beam	235	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B66	157	Beam	404	Vg 20x45	Vg 20x45	11	
Entrepiso 1	B68	123	Beam	820	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B69	138	Beam	600	vg 40x50	vg 40x50	11	
Entrepiso 1	B71	179	Beam	416	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B1	47	Beam	750	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B2	48	Beam	496	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B3	49	Beam	496	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B70	90	Beam	820	Vg 30x45	Vg 30x45	11	
Entrepiso 1	B4	27	Beam	496	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B6	35	Beam	600	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B7	37	Beam	600	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B9	50	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B11	51	Beam	235	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B12	53	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B72	54	Beam	235	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B73	56	Beam	180	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B76	57	Beam	235	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B77	58	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B79	65	Beam	600	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B80	67	Beam	496	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B81	69	Beam	365	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B82	71	Beam	235	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B83	73	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B84	85	Beam	600	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B85	91	Beam	496	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B86	127	Beam	600	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B87	128	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B88	133	Beam	750	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B89	134	Beam	750	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B90	152	Beam	750	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B91	177	Beam	750	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B92	178	Beam	660	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B93	180	Beam	470	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B94	203	Beam	750	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B95	205	Beam	660	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B96	206	Beam	470	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B97	207	Beam	416	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B98	208	Beam	404	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B99	209	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B101	211	Beam	404	Vgt 15x45	Vgt 15x45	11	Yes

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length cm	Analysis Section	Design Section	Min Number Stations	Releases
Entrepiso 1	B102	212	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B103	213	Beam	255	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	B104	214	Beam	785	Vgt 15x45	Vgt 15x45	11	Yes
Entrepiso 1	C1	2	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C2	4	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C3	6	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C4	8	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C5	10	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C6	12	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C7	14	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C8	16	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C9	18	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C10	20	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C12	24	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C13	26	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C14	28	Column	400	Col 30x30	Col 30x30	11	
Entrepiso 1	C15	30	Column	400	col 40x40	col 40x40	11	
Entrepiso 1	C16	32	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C17	34	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C18	36	Column	400	Col 30x30	Col 30x30	11	
Entrepiso 1	C19	38	Column	400	Col 30x30	Col 30x30	11	
Entrepiso 1	C20	40	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C21	42	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C22	44	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C23	46	Column	400	Col 50x50	Col 50x50	11	
Entrepiso 1	C11	21	Column	400	Col 30x30	Col 30x30	11	
Entrepiso 1	C24	22	Column	400	Col 30x30	Col 30x30	11	
Base	B8	60	Beam	750	vg c 30x40	vg c 30x40	11	
Base	B10	59	Beam	750	vg c 30x40	vg c 30x40	11	
Base	B18	75	Beam	750	vg c 30x40	vg c 30x40	11	
Base	B19	76	Beam	660	vg c 30x40	vg c 30x40	11	
Base	B20	77	Beam	470	vg c 30x40	vg c 30x40	11	
Base	B21	78	Beam	416	vg c 30x40	vg c 30x40	11	
Base	B22	79	Beam	404	vg c 30x40	vg c 30x40	11	
Base	B23	80	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B24	117	Beam	600	vg c 30x40	vg c 30x40	11	
Base	B25	118	Beam	496	vg c 30x40	vg c 30x40	11	
Base	B26	124	Beam	600	vg c 30x40	vg c 30x40	11	
Base	B27	125	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B29	52	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B31	64	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B33	63	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B34	190	Beam	750	vg c 30x40	vg c 30x40	11	
Base	B35	191	Beam	660	vg c 30x40	vg c 30x40	11	
Base	B36	192	Beam	470	vg c 30x40	vg c 30x40	11	
Base	B40	195	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B41	183	Beam	600	vg c 30x40	vg c 30x40	11	
Base	B42	184	Beam	600	vg c 30x40	vg c 30x40	11	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length cm	Analysis Section	Design Section	Min Number Stations	Releases
Base	B43	185	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B44	187	Beam	600	vg c 30x40	vg c 30x40	11	
Base	B47	189	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B49	68	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B57	135	Beam	600	vg c 30x40	vg c 30x40	11	
Base	B58	139	Beam	496	vg c 30x40	vg c 30x40	11	
Base	B61	158	Beam	785	vg c 30x40	vg c 30x40	11	
Base	B69	188	Beam	600	vg c 30x40	vg c 30x40	11	
Base	B71	70	Beam	416	vg c 30x40	vg c 30x40	11	
Base	B1	55	Beam	750	vg c 30x40	vg c 30x40	11	
Base	B2	186	Beam	496	vg c 30x40	vg c 30x40	11	
Base	B3	182	Beam	496	vg c 30x40	vg c 30x40	11	
Base	B15	153	Beam	600	vg c 30x40	vg c 30x40	11	
Base	B16	181	Beam	19	vg c 30x40	vg c 30x40	11	
Base	B17	193	Beam	416	vg c 30x40	vg c 30x40	11	
Base	B37	194	Beam	404	vg c 30x40	vg c 30x40	11	
Base	B38	196	Beam	180	vg c 30x40	vg c 30x40	11	
Base	B39	197	Beam	605	vg c 30x40	vg c 30x40	11	
Base	B45	198	Beam	180	vg c 30x40	vg c 30x40	11	
Base	B46	199	Beam	605	vg c 30x40	vg c 30x40	11	

3.3 Shell Assignments

Table 3.3 - Area Assignments - Summary

Story	Label	UniqueName	Section Property	Property Type
Cubierta	F2	3	Losa 45	Slab
Entrepiso 1	F1	1	Losa 45	Slab
Entrepiso 1	A1	2	None	Opening

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
Dead	No	Dead	1	
F	No	Other	0	
He	No	Other	0	
Live	No	Live	0	
Lr	No	Reducible Live	0	
Sx-FHE	No	Seismic	0	User Coefficient
Sx-FHE+Exc	No	Seismic	0	User Coefficient
Sx-FHE-Exc	No	Seismic	0	User Coefficient
Sy-FHE	No	Seismic	0	User Coefficient
Sy-FHE+Exc	No	Seismic	0	User Coefficient
Sy-FHE-Exc	No	Seismic	0	User Coefficient
W-	No	Wind	0	None
W+	No	Wind	0	None

4.2 Auto Seismic Loading

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern Sx-FHE using the user input coefficients, as calculated by ETABS.

Direction and Eccentricity

Direction = X

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

$$C = 0.7031$$

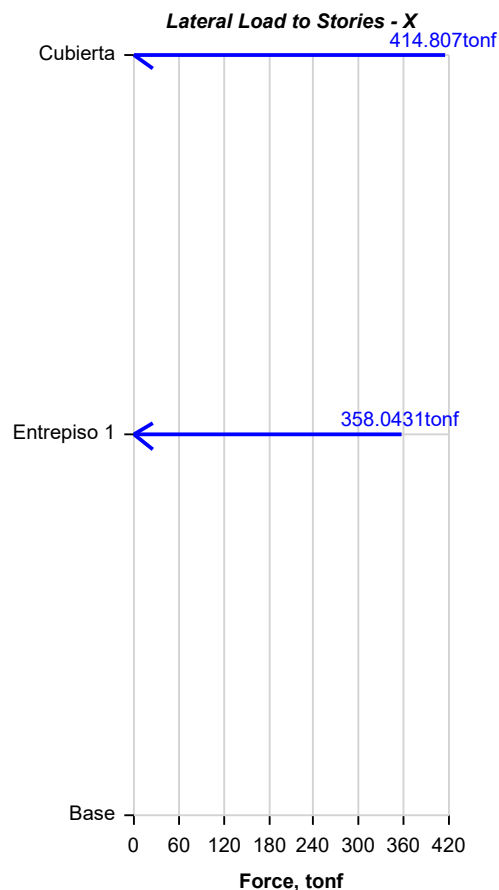
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
X	0	0	1099.2036	772.8501

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	cm	tonf	tonf
Cubierta	800	414.807	0
Entrepiso 1	400	358.0431	0
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern Sy-FHE using the user input coefficients, as calculated by ETABS.

Direction and Eccentricity

Direction = Y

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

$$C = 0.7031$$

Base Shear, V

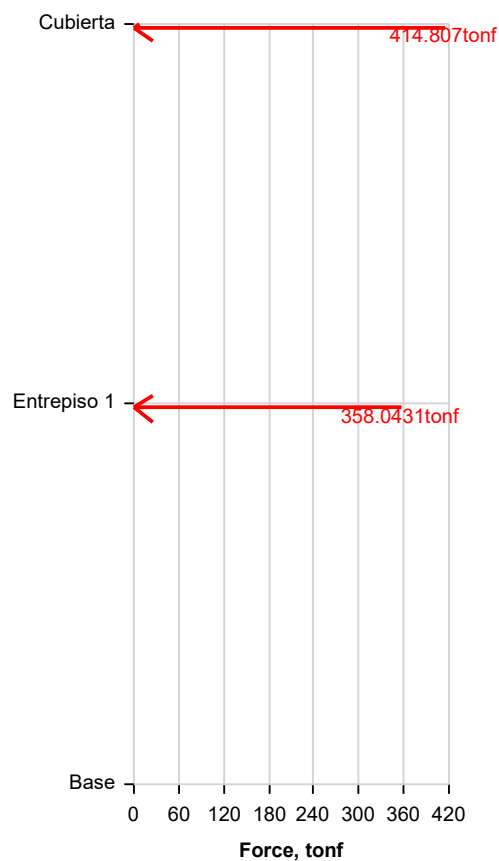
$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
Y	0	0	1099.2036	772.8501

Applied Story Forces

Lateral Load to Stories - Y



Story	Elevation	X-Dir	Y-Dir
	cm	tonf	tonf
Cubierta	800	0	414.807
Entrepiso 1	400	0	358.0431
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern Sx-FHE+Exc 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

$$C = 0.7031$$

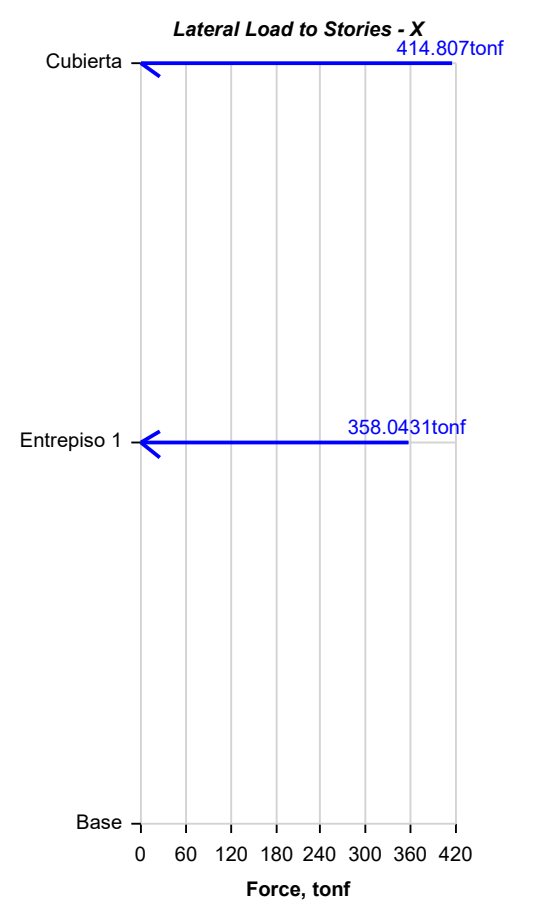
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
X + Ecc. Y	0	0	1099.2036	772.8501

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	cm	tonf	tonf
Cubierta	800	414.807	0
Entrepiso 1	400	358.0431	0
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern Sx-FHE-Exc 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

$$C = 0.7031$$

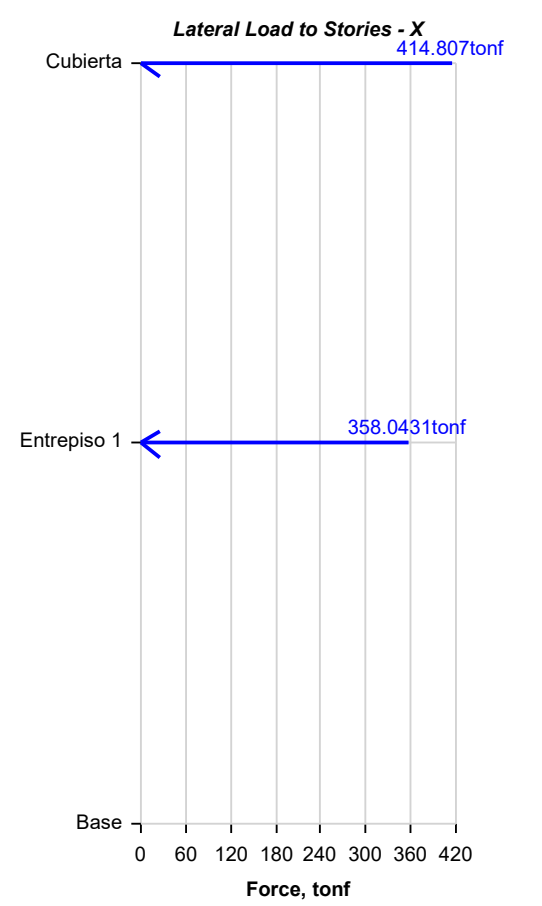
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
X - Ecc. Y	0	0	1099.2036	772.8501

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	cm	tonf	tonf
Cubierta	800	414.807	0
Entrepiso 1	400	358.0431	0
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern Sy-FHE+Exc 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

$$C = 0.7031$$

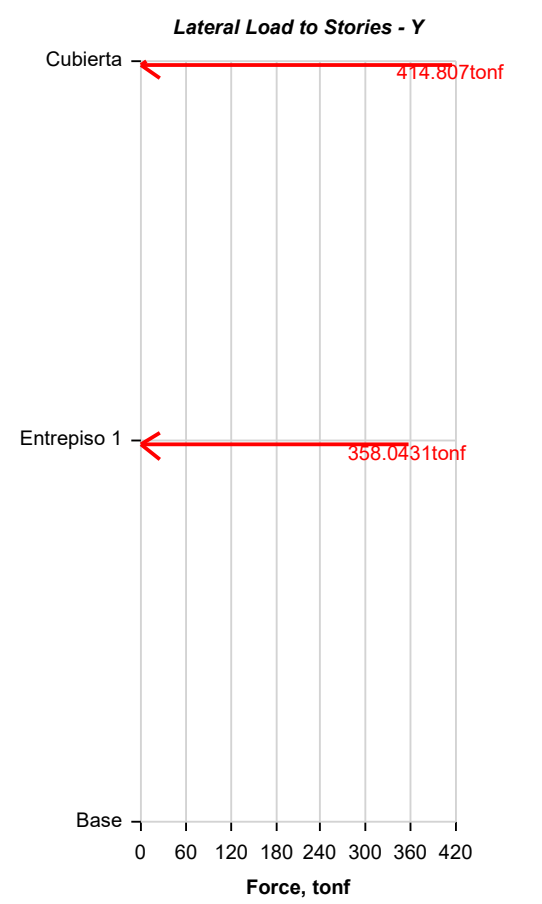
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
Y + Ecc. X	0	0	1099.2036	772.8501

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	cm	tonf	tonf
Cubierta	800	0	414.807
Entrepiso 1	400	0	358.0431
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern Sy-FHE-Exc 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

$$C = 0.7031$$

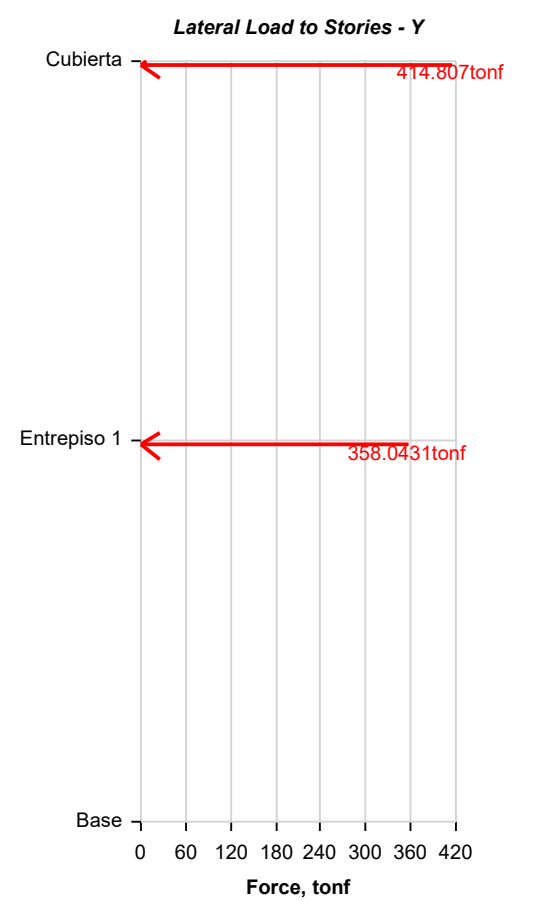
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (tonf)	V (tonf)
Y - Ecc. X	0	0	1099.2036	772.8501

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	cm	tonf	tonf
Cubierta	800	0	414.807
Entrepiso 1	400	0	358.0431
Base	0	0	0

4.3 Applied Loads

4.3.1 Line Loads

Table 4.8 - Frame Loads Assignments - Distributed (Part 1 of 2)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A cm
179	Dead	Entrepiso 1	B71	Force	Gravity	Relative	0	1	0

Table 4.8 - Frame Loads Assignments - Distributed (Part 2 of 2)

UniqueName	Load Pattern	Absolute Distance B cm	Force A tonf/cm	Force B tonf/cm
179	Dead	416	0.005	0.005

4.3.2 Area Loads

Table 4.9 - Area Load Assignments - Uniform

Story	Label	UniqueName	Load Pattern	Direction	Load tonf/cm2
Cubierta	F2	3	Dead	Gravity	3E-05
Entrepiso 1	F1	1	Dead	Gravity	5E-05
Cubierta	F2	3	Live	Gravity	2E-05
Entrepiso 1	F1	1	Live	Gravity	3E-05

4.4 Functions

4.4.1 Response Spectrum Functions

Table 4.10 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Damping Ratio
Pailitas I - D	0	0.5625	0.05
Pailitas I - D	0.1	0.5625	
Pailitas I - D	0.2	0.5625	
Pailitas I - D	0.3	0.5625	
Pailitas I - D	0.4	0.5625	
Pailitas I - D	0.5	0.5625	
Pailitas I - D	0.6	0.48	
Pailitas I - D	0.7	0.4114	
Pailitas I - D	0.8	0.36	
Pailitas I - D	0.9	0.32	
Pailitas I - D	1	0.288	
Pailitas I - D	1.2	0.24	
Pailitas I - D	1.5	0.192	
Pailitas I - D	1.7	0.1694	
Pailitas I - D	2	0.144	
Pailitas I - D	2.5	0.1152	
Pailitas I - D	3	0.096	
Pailitas I - D	3.5	0.0823	
Pailitas I - D	4	0.072	
Pailitas I - D	5	0.0576	
Pailitas I - D	8	0.0259	

Table 4.10 - Functions - Response Spectrum - User Defined (continued)

Name	Period sec	Value	Damping Ratio
Pailitas I - D	11	0.0137	
Pailitas I - D	15	0.007373	
Pailitas III - D	0	0.7031	0.05
Pailitas III - D	0.1	0.7031	
Pailitas III - D	0.2	0.7031	
Pailitas III - D	0.3	0.7031	
Pailitas III - D	0.4	0.7031	
Pailitas III - D	0.5	0.7031	
Pailitas III - D	0.6	0.6	
Pailitas III - D	0.7	0.5143	
Pailitas III - D	0.8	0.45	
Pailitas III - D	0.9	0.4	
Pailitas III - D	1	0.36	
Pailitas III - D	1.2	0.3	
Pailitas III - D	1.5	0.24	
Pailitas III - D	1.7	0.2118	
Pailitas III - D	2	0.18	
Pailitas III - D	2.5	0.144	
Pailitas III - D	3	0.12	
Pailitas III - D	3.5	0.1029	
Pailitas III - D	4	0.09	
Pailitas III - D	5	0.072	
Pailitas III - D	8	0.0324	
Pailitas III - D	11	0.0171	
Pailitas III - D	15	0.009216	
Umbral Pailitas	0	0.04	0.05
Umbral Pailitas	0.04	0.053	
Umbral Pailitas	0.08	0.067	
Umbral Pailitas	0.13	0.08	
Umbral Pailitas	0.17	0.093	
Umbral Pailitas	0.21	0.107	
Umbral Pailitas	0.25	0.12	
Umbral Pailitas	0.44	0.12	
Umbral Pailitas	0.63	0.12	
Umbral Pailitas	0.81	0.12	
Umbral Pailitas	1	0.12	
Umbral Pailitas	1.19	0.12	
Umbral Pailitas	1.38	0.12	
Umbral Pailitas	1.56	0.106	
Umbral Pailitas	2.43	0.068	
Umbral Pailitas	3.3	0.05	
Umbral Pailitas	4.18	0.04	
Umbral Pailitas	5.05	0.033	
Umbral Pailitas	5.92	0.028	
Umbral Pailitas	6.79	0.024	
Umbral Pailitas	8.13	0.016	
Umbral Pailitas	9.47	0.012	
Umbral Pailitas	10.81	0.009	
Umbral Vdpar	0	0.03	0.008

Table 4.10 - Functions - Response Spectrum - User Defined (continued)

Name	Period sec	Value	Damping Ratio
Umbra1 Vdpar	0.04	0.04	
Umbra1 Vdpar	0.08	0.05	
Umbra1 Vdpar	0.13	0.06	
Umbra1 Vdpar	0.17	0.07	
Umbra1 Vdpar	0.21	0.08	
Umbra1 Vdpar	0.25	0.09	
Umbra1 Vdpar	0.46	0.09	
Umbra1 Vdpar	0.67	0.09	
Umbra1 Vdpar	0.88	0.09	
Umbra1 Vdpar	1.08	0.09	
Umbra1 Vdpar	1.29	0.09	
Umbra1 Vdpar	1.5	0.09	
Umbra1 Vdpar	1.71	0.079	
Umbra1 Vdpar	2.66	0.051	
Umbra1 Vdpar	3.61	0.037	
Umbra1 Vdpar	4.56	0.03	
Umbra1 Vdpar	5.51	0.025	
Umbra1 Vdpar	6.46	0.021	
Umbra1 Vdpar	7.41	0.018	
Umbra1 Vdpar	8.69	0.013	
Umbra1 Vdpar	9.97	0.01	
Umbra1 Vdpar	11.25	0.01	
Umbra1 Vdpar	12.53	0.006	
Umbra1 Vdpar	13.81	0.005	
Umbra1 Vdpar	15.09	0.004	
Vdupar D -I	0	0.4	0.05
Vdupar D -I	0.1	0.4	
Vdupar D -I	0.2	0.4	
Vdupar D -I	0.3	0.4	
Vdupar D -I	0.4	0.4	
Vdupar D -I	0.5	0.4	
Vdupar D -I	0.6	0.4	
Vdupar D -I	0.7	0.4	
Vdupar D -I	0.8	0.36	
Vdupar D -I	0.9	0.32	
Vdupar D -I	1	0.288	
Vdupar D -I	1.2	0.24	
Vdupar D -I	1.5	0.192	
Vdupar D -I	1.7	0.1694	
Vdupar D -I	2	0.144	
Vdupar D -I	2.5	0.1152	
Vdupar D -I	3	0.096	
Vdupar D -I	3.5	0.0823	
Vdupar D -I	4	0.072	
Vdupar D -I	5	0.0576	
Vdupar D -I	8	0.0259	
Vdupar D -I	11	0.0137	
Vdupar D -I	15	0.007373	
Vdupar D -III	0	0.5	0.05

Table 4.10 - Functions - Response Spectrum - User Defined (continued)

Name	Period sec	Value	Damping Ratio
Vdupar D -III	0.1	0.5	
Vdupar D -III	0.2	0.5	
Vdupar D -III	0.3	0.5	
Vdupar D -III	0.4	0.5	
Vdupar D -III	0.5	0.5	
Vdupar D -III	0.6	0.5	
Vdupar D -III	0.7	0.5	
Vdupar D -III	0.8	0.45	
Vdupar D -III	0.9	0.4	
Vdupar D -III	1	0.36	
Vdupar D -III	1.2	0.3	
Vdupar D -III	1.5	0.24	
Vdupar D -III	1.7	0.2118	
Vdupar D -III	2	0.18	
Vdupar D -III	2.5	0.144	
Vdupar D -III	3	0.12	
Vdupar D -III	3.5	0.1029	
Vdupar D -III	4	0.09	
Vdupar D -III	5	0.072	
Vdupar D -III	8	0.0324	
Vdupar D -III	11	0.0171	
Vdupar D -III	15	0.009216	

4.4.2 Time History Functions**Table 4.11 - Functions - Time History - User Defined**

Name	Time sec	Value
RampTH	0	0
RampTH	1	1
RampTH	4	1
UnifTH	0	1
UnifTH	1	1

4.5 Load Cases**Table 4.12 - Load Case Definitions - Summary**

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
Sx-FHE	Linear Static
Sy-FHE	Linear Static
Lr	Linear Static
Sx-FHE+Exc	Linear Static
Sx-FHE-Exc	Linear Static
Sy-FHE+Exc	Linear Static
Sy-FHE-Exc	Linear Static
W-	Linear Static
W+	Linear Static

Table 4.12 - Load Case Definitions - Summary (continued)

Name	Type
F	Linear Static
He	Linear Static
Sx	Response Spectrum
Sy	Response Spectrum
Sx-Der	Response Spectrum
Sy-Der	Response Spectrum
Sx-Um	Response Spectrum
Sy-Um	Response Spectrum

4.6 Load Combinations

Table 4.13 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
Dx	Linear Add	No	Dead	1.2	
Dx			Live	1	
Dx			Sx-Der	1	
Dx-1	Linear Add	No	Dead	0.9	
Dx-1			Sx-Der	1	
Dx-1 -Um	Linear Add	No	Dead	0.9	
Dx-1 -Um			Sx-Um	1	
Dx-Um	Linear Add	No	Dead	1.2	
Dx-Um			Live	1	
Dx-Um			Sx-Um	1	
Dy	Linear Add	No	Dead	1.2	
Dy			Live	1	
Dy			Sy-Der	1	
Dy-1	Linear Add	No	Dead	0.9	
Dy-1			Sy-Der	1	
Dy-1-Um	Linear Add	No	Dead	0.9	
Dy-1-Um			Sy-Um	1	
Dy-Um	Linear Add	No	Dead	1.2	
Dy-Um			Live	1	
Dy-Um			Sy-Um	1	
S1	Linear Add	No	Dead	1	
S1			F	1	
S2	Linear Add	No	Dead	1	
S2			Live	1	
S2			He	1	
S2			F	1	
S3	Linear Add	No	Dead	1	
S3			Lr	1	
S3			He	1	
S3			F	1	
S4	Linear Add	No	Dead	1	
S4			Live	0.75	
S4			Lr	0.75	
S4			He	1	
S4			F	1	
S5	Linear Add	No	Dead	1	

Table 4.13 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
S5			W+	1	
S5			He	1	
S5			F	1	
S6	Linear Add	No	Dead	1	
S6			W-	1	
S6			He	1	
S6			F	1	
S7	Linear Add	No	Dead	1	
S7			Sy	0.175	
S7			Sx	0.0525	
S7			He	1	
S7			F	1	
S8	Linear Add	No	Dead	1	
S8			Sx	0.0525	
S8			Sy	0.175	
S8			He	1	
S8			F	1	
S9	Linear Add	No	Dead	1	
S9			Sx	0.175	
S9			He	1	
S9			F	1	
S10	Linear Add	No	Dead	1	
S10			Sy	0.175	
S10			He	1	
S10			F	1	
S11	Linear Add	No	Dead	1	
S11			Live	0.75	
S11			W+	0.75	
S11			Lr	0.75	
S11			He	1	
S11			F	1	
S12	Linear Add	No	Dead	1	
S12			Live	0.75	
S12			W-	0.75	
S12			Lr	0.75	
S12			He	1	
S12			F	1	
S13	Linear Add	No	Dead	1	
S13			Live	0.75	
S13			Sx	0.1313	
S13			Sy	0.0394	
S13			Lr	0.75	
S13			He	1	
S13			F	1	
S14	Linear Add	No	Dead	1	
S14			Live	0.75	
S14			Sy	0.1313	
S14			Sx	0.0394	
S14			Lr	0.75	

Table 4.13 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
S14			He	1	
S14			F	1	
S15	Linear Add	No	Dead	1	
S15			Live	0.75	
S15			Sx	0.1313	
S15			Lr	0.75	
S15			F	1	
S15			He	1	
S16	Linear Add	No	Dead	1	
S16			Live	0.75	
S16			Sy	0.1313	
S16			Lr	0.75	
S16			F	1	
S16			He	1	
S17	Linear Add	No	Dead	0.06	
S17			W-	1	
S17			He	1	
S18	Linear Add	No	Dead	0.06	
S18			W+	1	
S18			He	1	
S19	Linear Add	No	Dead	0.06	
S19			Sx	0.175	
S19			Sy	0.0525	
S19			He	1	
S20	Linear Add	No	Dead	0.06	
S20			Sy	0.175	
S20			Sx	0.0525	
S20			He	1	
S21	Linear Add	No	Dead	0.06	
S21			Sx	0.175	
S21			He	1	
S22	Linear Add	No	Dead	0.06	
S22			Sy	0.175	
S22			He	1	
U1	Linear Add	No	Dead	1.4	
U1			F	1.4	
U2	Linear Add	No	Dead	1.2	
U2			Live	1.6	
U2			Lr	0.5	
U2			He	1.6	
U2			F	1.2	
U3	Linear Add	No	Dead	1.2	
U3			Live	1	
U3			W-	0.8	
U3			Lr	1.6	
U4	Linear Add	No	Dead	1.2	
U4			Live	1	
U4			W+	0.8	
U4			Lr	1.6	

Table 4.13 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
U5	Linear Add	No	Dead	1.2	
U5			Live	1	
U5			W-	1.6	
U5			Lr	0.5	
U6	Linear Add	No	Dead	1.2	
U6			Live	1	
U6			W+	1.6	
U6			Lr	0.5	
U7	Linear Add	No	Dead	1.2	
U7			Live	1	
U7			Sx	0.25	
U7			Sy	0.075	
U8	Linear Add	No	Dead	1.2	
U8			Live	1	
U8			Sy	0.25	
U8			Sx	0.075	
U9	Linear Add	No	Dead	1.2	
U9			Live	1	
U9			Sx	0.25	
U10	Linear Add	No	Dead	1.2	
U10			Live	1	
U10			Sy	0.25	
U11	Linear Add	No	Dead	0.9	
U11			W-	1.6	
U11			He	1.6	
U12	Linear Add	No	Dead	0.9	
U12			W+	1.6	
U12			He	1.6	
U13	Linear Add	No	Dead	0.9	
U13			Sx	0.25	
U13			Sy	0.075	
U13			He	1.6	
U14	Linear Add	No	Dead	0.9	
U14			Sy	0.25	
U14			Sx	0.075	
U14			He	1.6	
U15	Linear Add	No	Dead	0.9	
U15			Sx	0.25	
U15			He	1.6	
U16	Linear Add	No	Dead	0.9	
U16			Sy	0.25	
U16			He	1.6	

5 Analysis Results

This chapter provides analysis results.

5.1 Structure Results

Table 5.1 - Base Reactions (Part 1 of 2)

Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm	X cm
Dead	LinStatic		0	0	1193.7655	1765135.938	-2279466.692	0	0
Live	LinStatic		0	0	279.0291	413378.046	-531522.17	0	0
Sx-FHE	LinStatic		-772.8501	0	0	0	-475062.819	1166273.604	0
Sy-FHE	LinStatic		0	-772.8501	0	475062.819	0	-1520674.142	0
Lr	LinStatic		0	0	0	0	0	0	0
Sx-FHE+Exc	LinStatic		-772.8501	0	0	0	-475062.819	1236581.047	0
Sx-FHE-Exc	LinStatic		-772.8501	0	0	0	-475062.819	1095966.161	0
Sy-FHE+Exc	LinStatic		0	-772.8501	0	475062.819	0	-1619433.287	0
Sy-FHE-Exc	LinStatic		0	-772.8501	0	475062.819	0	-1421914.997	0
W-	LinStatic		0	0	0	0	0	0	0
W+	LinStatic		0	0	0	0	0	0	0
F	LinStatic		0	0	0	0	0	0	0
He	LinStatic		0	0	0	0	0	0	0
Sx	LinRespSpec	Max	570.8822	34.6459	0	12045.804	350608.044	814974.924	0
Sy	LinRespSpec	Max	34.6459	557.5864	0	342956.84	13100.245	1015203.07	0
Sx-Der	LinRespSpec	Max	456.705	27.7175	0	9636.752	280485.614	651978.841	0
Sy-Der	LinRespSpec	Max	27.7175	446.0722	0	274367.198	10480.323	812171.76	0
Sx-Um	LinRespSpec	Max	113.7897	5.5938	0	2303.673	70447.125	162504.773	0
Sy-Um	LinRespSpec	Max	5.5938	108.0837	0	66807.965	2498.639	192730.63	0
U1	Combination		0	0	1671.2717	2471190.314	-3191253.369	0	0
U2	Combination		0	0	1878.9652	2779568	-3585795.503	0	0
U3	Combination		0	0	1711.5477	2531541.172	-3266882.201	0	0
U4	Combination		0	0	1711.5477	2531541.172	-3266882.201	0	0
U5	Combination		0	0	1711.5477	2531541.172	-3266882.201	0	0
U6	Combination		0	0	1711.5477	2531541.172	-3266882.201	0	0
U7	Combination	Max	145.319	50.4805	1711.5477	2560274.386	-3178247.671	279883.961	0
U7	Combination	Min	-145.319	-50.4805	1711.5477	2502807.958	-3355516.73	-279883.961	0
U8	Combination	Max	51.4776	141.995	1711.5477	2618183.817	-3237311.536	314923.887	0
U8	Combination	Min	-51.4776	-141.995	1711.5477	2444898.527	-3296452.865	-314923.887	0
U9	Combination	Max	142.7206	8.6615	1711.5477	2534552.623	-3179230.19	203743.731	0
U9	Combination	Min	-142.7206	-8.6615	1711.5477	2528529.721	-3354534.212	-203743.731	0
U10	Combination	Max	8.6615	139.3966	1711.5477	2617280.382	-3263607.139	253800.768	0
U10	Combination	Min	-8.6615	-139.3966	1711.5477	2445801.962	-3270157.262	-253800.768	0
U11	Combination		0	0	1074.389	1588622.345	-2051520.023	0	0
U12	Combination		0	0	1074.389	1588622.345	-2051520.023	0	0
U13	Combination	Max	145.319	50.4805	1074.389	1617355.559	-1962885.494	279883.961	0
U13	Combination	Min	-145.319	-50.4805	1074.389	1559889.131	-2140154.553	-279883.961	0
U14	Combination	Max	51.4776	141.995	1074.389	1675264.99	-2021949.359	314923.887	0
U14	Combination	Min	-51.4776	-141.995	1074.389	1501979.699	-2081090.688	-314923.887	0
U15	Combination	Max	142.7206	8.6615	1074.389	1591633.796	-1963868.012	203743.731	0
U15	Combination	Min	-142.7206	-8.6615	1074.389	1585610.894	-2139172.034	-203743.731	0
U16	Combination	Max	8.6615	139.3966	1074.389	1674361.555	-2048244.962	253800.768	0
U16	Combination	Min	-8.6615	-139.3966	1074.389	1502883.135	-2054795.084	-253800.768	0
S1	Combination		0	0	1193.7655	1765135.938	-2279466.692	0	0
S2	Combination		0	0	1472.7946	2178513.984	-2810988.862	0	0

Table 5.1 - Base Reactions (Part 1 of 2, continued)

Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm	X cm
S3	Combination		0	0	1193.7655	1765135.938	-2279466.692	0	0
S4	Combination		0	0	1403.0374	2075169.473	-2678108.32	0	0
S5	Combination		0	0	1193.7655	1765135.938	-2279466.692	0	0
S6	Combination		0	0	1193.7655	1765135.938	-2279466.692	0	0
S7	Combination	Max	36.0343	99.3965	1193.7655	1825785.79	-2258767.227	220446.721	0
S7	Combination	Min	-36.0343	-99.3965	1193.7655	1704486.087	-2300166.158	-220446.721	0
S8	Combination	Max	36.0343	99.3965	1193.7655	1825785.79	-2258767.227	220446.721	0
S8	Combination	Min	-36.0343	-99.3965	1193.7655	1704486.087	-2300166.158	-220446.721	0
S9	Combination	Max	99.9044	6.063	1193.7655	1767243.954	-2218110.285	142620.612	0
S9	Combination	Min	-99.9044	-6.063	1193.7655	1763027.923	-2340823.1	-142620.612	0
S10	Combination	Max	6.063	97.5776	1193.7655	1825153.386	-2277174.15	177660.537	0
S10	Combination	Min	-6.063	-97.5776	1193.7655	1705118.491	-2281759.235	-177660.537	0
S11	Combination		0	0	1403.0374	2075169.473	-2678108.32	0	0
S12	Combination		0	0	1403.0374	2075169.473	-2678108.32	0	0
S13	Combination	Max	76.3219	26.5179	1403.0374	2090263.586	-2631557.334	147005.208	0
S13	Combination	Min	-76.3219	-26.5179	1403.0374	2060075.359	-2724659.306	-147005.208	0
S14	Combination	Max	27.0418	74.5761	1403.0374	2120674.311	-2662574.301	165406.175	0
S14	Combination	Min	-27.0418	-74.5761	1403.0374	2029664.635	-2693642.339	-165406.175	0
S15	Combination	Max	74.9568	4.549	1403.0374	2076751.087	-2632073.484	107006.207	0
S15	Combination	Min	-74.9568	-4.549	1403.0374	2073587.859	-2724143.156	-107006.207	0
S16	Combination	Max	4.549	73.2111	1403.0374	2120199.706	-2676388.258	133296.163	0
S16	Combination	Min	-4.549	-73.2111	1403.0374	2030139.24	-2679828.382	-133296.163	0
S17	Combination		0	0	71.6259	105908.156	-136768.002	0	0
S18	Combination		0	0	71.6259	105908.156	-136768.002	0	0
S19	Combination	Max	101.7233	35.3363	71.6259	126021.406	-74723.831	195918.773	0
S19	Combination	Min	-101.7233	-35.3363	71.6259	85794.907	-198812.172	-195918.773	0
S20	Combination	Max	36.0343	99.3965	71.6259	166558.008	-116068.536	220446.721	0
S20	Combination	Min	-36.0343	-99.3965	71.6259	45258.305	-157467.467	-220446.721	0
S21	Combination	Max	99.9044	6.063	71.6259	108016.172	-75411.594	142620.612	0
S21	Combination	Min	-99.9044	-6.063	71.6259	103800.141	-198124.409	-142620.612	0
S22	Combination	Max	6.063	97.5776	71.6259	165925.603	-134475.459	177660.537	0
S22	Combination	Min	-6.063	-97.5776	71.6259	45890.709	-139060.544	-177660.537	0
Dx	Combination	Max	456.705	27.7175	1711.5477	2541177.924	-2986396.586	651978.841	0
Dx	Combination	Min	-456.705	-27.7175	1711.5477	2521904.42	-3547367.815	-651978.841	0
Dy	Combination	Max	27.7175	446.0722	1711.5477	2805908.37	-3256401.877	812171.76	0
Dy	Combination	Min	-27.7175	-446.0722	1711.5477	2257173.974	-3277362.524	-812171.76	0
Dx-1	Combination	Max	456.705	27.7175	1074.389	1598259.097	-1771034.409	651978.841	0
Dx-1	Combination	Min	-456.705	-27.7175	1074.389	1578985.593	-2332005.638	-651978.841	0
Dy-1	Combination	Max	27.7175	446.0722	1074.389	1862989.542	-2041039.7	812171.76	0
Dy-1	Combination	Min	-27.7175	-446.0722	1074.389	1314255.147	-2062000.347	-812171.76	0
Dx-Um	Combination	Max	113.7897	5.5938	1711.5477	2533844.845	-3196435.076	162504.773	0
Dx-Um	Combination	Min	-113.7897	-5.5938	1711.5477	2529237.499	-3337329.326	-162504.773	0
Dx-1 -Um	Combination	Max	113.7897	5.5938	1074.389	1590926.018	-1981072.898	162504.773	0
Dx-1 -Um	Combination	Min	-113.7897	-5.5938	1074.389	1586318.672	-2121967.148	-162504.773	0
Dy-Um	Combination	Max	5.5938	108.0837	1711.5477	2598349.137	-3264383.562	192730.63	0
Dy-Um	Combination	Min	-5.5938	-108.0837	1711.5477	2464733.207	-3269380.84	-192730.63	0
Dy-1 -Um	Combination	Max	5.5938	108.0837	1074.389	1655430.31	-2049021.384	192730.63	0
Dy-1 -Um	Combination	Min	-5.5938	-108.0837	1074.389	1521814.38	-2054018.662	-192730.63	0

Table 5.1 - Base Reactions (Part 2 of 2)

[illegible]

Table 5.1 - Base Reactions (Part 2 of 2, continued)

[illegible]

Table 5.2 - Centers Of Mass And Rigidity (Part 1 of 2)

Story	Diaphragm	Mass X tonf-s2/cm	Mass Y tonf-s2/cm	XCM cm	YCM cm	Cum Mass X tonf-s2/cm	Cum Mass Y tonf-s2/cm	XCCM cm	YCCM cm
Cubierta	D1	0.411133	0.411133	2103.17	1585.324	0.411133	0.411133	2103.17	1585.324
Entrepiso 1	D1	0.301228	0.301228	1951.184	1391.32	0.712361	0.712361	2038.901	1503.288

Table 5.2 - Centers Of Mass And Rigidity (Part 2 of 2)

Story	Diaphragm	XCR cm	YCR cm
Cubierta	D1		
Entrepiso 1	D1		

Table 5.3 - Diaphragm Center Of Mass Displacements

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Cubierta	D1	Dead	LinStatic		-0.1974	-0.2253	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	Live	LinStatic		-0.0475	-0.0552	-1E-06	40	2103.17	1585.324	800
Cubierta	D1	Sx-FHE	LinStatic		9.5412	0.0151	0.000161	40	2103.17	1585.324	800
Cubierta	D1	Sy-FHE	LinStatic		0.0226	8.8662	-0.000481	40	2103.17	1585.324	800
Cubierta	D1	Lr	LinStatic		0	0	0	40	2103.17	1585.324	800
Cubierta	D1	Sx-FHE+Exc	LinStatic		9.5407	0.0381	-0.000308	40	2103.17	1585.324	800
Cubierta	D1	Sx-FHE-Exc	LinStatic		9.5417	-0.0079	0.000629	40	2103.17	1585.324	800
Cubierta	D1	Sy-FHE+Exc	LinStatic		0.0233	8.8339	0.000177	40	2103.17	1585.324	800
Cubierta	D1	Sy-FHE-Exc	LinStatic		0.0219	8.8985	-0.001139	40	2103.17	1585.324	800
Cubierta	D1	W-	LinStatic		0	0	0	40	2103.17	1585.324	800
Cubierta	D1	W+	LinStatic		0	0	0	40	2103.17	1585.324	800
Cubierta	D1	F	LinStatic		0	0	0	40	2103.17	1585.324	800
Cubierta	D1	He	LinStatic		0	0	0	40	2103.17	1585.324	800
Cubierta	D1	Sx	LinRespSpec	Max	7.0776	0.2304	0.000435	40	2103.17	1585.324	800
Cubierta	D1	Sy	LinRespSpec	Max	0.2857	6.4563	0.001654	40	2103.17	1585.324	800
Cubierta	D1	Sx-Der	LinRespSpec	Max	5.662	0.1843	0.000348	40	2103.17	1585.324	800
Cubierta	D1	Sy-Der	LinRespSpec	Max	0.2286	5.1651	0.001323	40	2103.17	1585.324	800
Cubierta	D1	Sx-Um	LinRespSpec	Max	1.4221	0.0439	8.7E-05	40	2103.17	1585.324	800
Cubierta	D1	Sy-Um	LinRespSpec	Max	0.0543	1.2582	0.000318	40	2103.17	1585.324	800

Table 5.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Cubierta	D1	U1	Combination		-0.2764	-0.3154	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	U2	Combination		-0.3129	-0.3586	-3E-06	40	2103.17	1585.324	800
Cubierta	D1	U3	Combination		-0.2844	-0.3255	-3E-06	40	2103.17	1585.324	800
Cubierta	D1	U4	Combination		-0.2844	-0.3255	-3E-06	40	2103.17	1585.324	800
Cubierta	D1	U5	Combination		-0.2844	-0.3255	-3E-06	40	2103.17	1585.324	800
Cubierta	D1	U6	Combination		-0.2844	-0.3255	-3E-06	40	2103.17	1585.324	800
Cubierta	D1	U7	Combination	Max	1.5064	0.2163	0.00023	40	2103.17	1585.324	800
Cubierta	D1	U7	Combination	Min	-2.0752	-0.8673	-0.000236	40	2103.17	1585.324	800
Cubierta	D1	U8	Combination	Max	0.3179	1.3058	0.000443	40	2103.17	1585.324	800
Cubierta	D1	U8	Combination	Min	-0.8866	-1.9569	-0.000449	40	2103.17	1585.324	800
Cubierta	D1	U9	Combination	Max	1.485	-0.2679	0.000106	40	2103.17	1585.324	800
Cubierta	D1	U9	Combination	Min	-2.0538	-0.3831	-0.000112	40	2103.17	1585.324	800
Cubierta	D1	U10	Combination	Max	-0.213	1.2886	0.000411	40	2103.17	1585.324	800
Cubierta	D1	U10	Combination	Min	-0.3558	-1.9396	-0.000416	40	2103.17	1585.324	800
Cubierta	D1	U11	Combination		-0.1777	-0.2027	-1E-06	40	2103.17	1585.324	800
Cubierta	D1	U12	Combination		-0.1777	-0.2027	-1E-06	40	2103.17	1585.324	800
Cubierta	D1	U13	Combination	Max	1.6131	0.3391	0.000231	40	2103.17	1585.324	800
Cubierta	D1	U13	Combination	Min	-1.9685	-0.7446	-0.000234	40	2103.17	1585.324	800
Cubierta	D1	U14	Combination	Max	0.4245	1.4286	0.000445	40	2103.17	1585.324	800
Cubierta	D1	U14	Combination	Min	-0.7799	-1.8341	-0.000448	40	2103.17	1585.324	800
Cubierta	D1	U15	Combination	Max	1.5917	-0.1452	0.000107	40	2103.17	1585.324	800
Cubierta	D1	U15	Combination	Min	-1.9471	-0.2603	-0.00011	40	2103.17	1585.324	800
Cubierta	D1	U16	Combination	Max	-0.1063	1.4113	0.000412	40	2103.17	1585.324	800
Cubierta	D1	U16	Combination	Min	-0.2491	-1.8168	-0.000415	40	2103.17	1585.324	800
Cubierta	D1	S1	Combination		-0.1974	-0.2253	-2E-06	40	2103.17	1585.324	800

Table 5.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Cubierta	D1	S2	Combination		-0.2449	-0.2805	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	S3	Combination		-0.1974	-0.2253	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	S4	Combination		-0.233	-0.2667	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	S5	Combination		-0.1974	-0.2253	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	S6	Combination		-0.1974	-0.2253	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	S7	Combination	Max	0.2241	0.9167	0.000311	40	2103.17	1585.324	800
Cubierta	D1	S7	Combination	Min	-0.619	-1.3672	-0.000314	40	2103.17	1585.324	800
Cubierta	D1	S8	Combination	Max	0.2241	0.9167	0.000311	40	2103.17	1585.324	800
Cubierta	D1	S8	Combination	Min	-0.619	-1.3672	-0.000314	40	2103.17	1585.324	800
Cubierta	D1	S9	Combination	Max	1.0411	-0.185	7.4E-05	40	2103.17	1585.324	800
Cubierta	D1	S9	Combination	Min	-1.436	-0.2656	-7.8E-05	40	2103.17	1585.324	800
Cubierta	D1	S10	Combination	Max	-0.1474	0.9046	0.000288	40	2103.17	1585.324	800
Cubierta	D1	S10	Combination	Min	-0.2474	-1.3551	-0.000291	40	2103.17	1585.324	800
Cubierta	D1	S11	Combination		-0.233	-0.2667	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	S12	Combination		-0.233	-0.2667	-2E-06	40	2103.17	1585.324	800
Cubierta	D1	S13	Combination	Max	0.7075	0.018	0.00012	40	2103.17	1585.324	800
Cubierta	D1	S13	Combination	Min	-1.1736	-0.5513	-0.000125	40	2103.17	1585.324	800
Cubierta	D1	S14	Combination	Max	0.0833	0.5901	0.000232	40	2103.17	1585.324	800
Cubierta	D1	S14	Combination	Min	-0.5494	-1.1234	-0.000237	40	2103.17	1585.324	800
Cubierta	D1	S15	Combination	Max	0.6963	-0.2364	5.5E-05	40	2103.17	1585.324	800
Cubierta	D1	S15	Combination	Min	-1.1623	-0.2969	-5.9E-05	40	2103.17	1585.324	800
Cubierta	D1	S16	Combination	Max	-0.1955	0.5811	0.000215	40	2103.17	1585.324	800
Cubierta	D1	S16	Combination	Min	-0.2705	-1.1144	-0.000219	40	2103.17	1585.324	800
Cubierta	D1	S17	Combination		-0.0118	-0.0135	-9.982E-08	40	2103.17	1585.324	800
Cubierta	D1	S18	Combination		-0.0118	-0.0135	-9.982E-08	40	2103.17	1585.324	800

Table 5.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Cubierta	D1	S19	Combination	Max	1.2417	0.3658	0.000163	40	2103.17	1585.324	800
Cubierta	D1	S19	Combination	Min	-1.2654	-0.3928	-0.000163	40	2103.17	1585.324	800
Cubierta	D1	S20	Combination	Max	0.4097	1.1284	0.000312	40	2103.17	1585.324	800
Cubierta	D1	S20	Combination	Min	-0.4334	-1.1555	-0.000312	40	2103.17	1585.324	800
Cubierta	D1	S21	Combination	Max	1.2267	0.0268	7.6E-05	40	2103.17	1585.324	800
Cubierta	D1	S21	Combination	Min	-1.2504	-0.0538	-7.6E-05	40	2103.17	1585.324	800
Cubierta	D1	S22	Combination	Max	0.0381	1.1163	0.000289	40	2103.17	1585.324	800
Cubierta	D1	S22	Combination	Min	-0.0618	-1.1434	-0.000289	40	2103.17	1585.324	800
Cubierta	D1	Dx	Combination	Max	5.3777	-0.1412	0.000345	40	2103.17	1585.324	800
Cubierta	D1	Dx	Combination	Min	-5.9464	-0.5098	-0.000351	40	2103.17	1585.324	800
Cubierta	D1	Dy	Combination	Max	-0.0558	4.8396	0.00132	40	2103.17	1585.324	800
Cubierta	D1	Dy	Combination	Min	-0.5129	-5.4906	-0.001326	40	2103.17	1585.324	800
Cubierta	D1	Dx-1	Combination	Max	5.4843	-0.0185	0.000346	40	2103.17	1585.324	800
Cubierta	D1	Dx-1	Combination	Min	-5.8397	-0.387	-0.000349	40	2103.17	1585.324	800
Cubierta	D1	Dy-1	Combination	Max	0.0509	4.9623	0.001321	40	2103.17	1585.324	800
Cubierta	D1	Dy-1	Combination	Min	-0.4062	-5.3678	-0.001324	40	2103.17	1585.324	800
Cubierta	D1	Dx-Um	Combination	Max	1.1377	-0.2816	8.4E-05	40	2103.17	1585.324	800
Cubierta	D1	Dx-Um	Combination	Min	-1.7065	-0.3694	-8.9E-05	40	2103.17	1585.324	800
Cubierta	D1	Dx-1 -Um	Combination	Max	1.2444	-0.1589	8.5E-05	40	2103.17	1585.324	800
Cubierta	D1	Dx-1 -Um	Combination	Min	-1.5998	-0.2466	-8.8E-05	40	2103.17	1585.324	800
Cubierta	D1	Dy-Um	Combination	Max	-0.2301	0.9327	0.000315	40	2103.17	1585.324	800
Cubierta	D1	Dy-Um	Combination	Min	-0.3386	-1.5837	-0.00032	40	2103.17	1585.324	800
Cubierta	D1	Dy-1-Um	Combination	Max	-0.1234	1.0554	0.000316	40	2103.17	1585.324	800
Cubierta	D1	Dy-1-Um	Combination	Min	-0.232	-1.4609	-0.000319	40	2103.17	1585.324	800
Entrepiso 1	D1	Dead	LinStatic		-0.0633	-0.0588	-9E-06	43	1951.184	1391.32	400

Table 5.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Entrepiso 1	D1	Live	LinStatic		-0.0154	-0.0147	-2E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	Sx-FHE	LinStatic		4.3305	0.0002	4.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	Sy-FHE	LinStatic		-0.0187	4.0204	-0.000149	43	1951.184	1391.32	400
Entrepiso 1	D1	Lr	LinStatic		0	0	0	43	1951.184	1391.32	400
Entrepiso 1	D1	Sx-FHE+Exc	LinStatic		4.3002	0.0239	-0.000148	43	1951.184	1391.32	400
Entrepiso 1	D1	Sx-FHE-Exc	LinStatic		4.3607	-0.0235	0.00023	43	1951.184	1391.32	400
Entrepiso 1	D1	Sy-FHE+Exc	LinStatic		0.0238	3.9871	0.000117	43	1951.184	1391.32	400
Entrepiso 1	D1	Sy-FHE-Exc	LinStatic		-0.0612	4.0537	-0.000414	43	1951.184	1391.32	400
Entrepiso 1	D1	W-	LinStatic		0	0	0	43	1951.184	1391.32	400
Entrepiso 1	D1	W+	LinStatic		0	0	0	43	1951.184	1391.32	400
Entrepiso 1	D1	F	LinStatic		0	0	0	43	1951.184	1391.32	400
Entrepiso 1	D1	He	LinStatic		0	0	0	43	1951.184	1391.32	400
Entrepiso 1	D1	Sx	LinRespSpec	Max	3.202	0.1223	0.000177	43	1951.184	1391.32	400
Entrepiso 1	D1	Sy	LinRespSpec	Max	0.1225	2.927	0.000706	43	1951.184	1391.32	400
Entrepiso 1	D1	Sx-Der	LinRespSpec	Max	2.5616	0.0979	0.000141	43	1951.184	1391.32	400
Entrepiso 1	D1	Sy-Der	LinRespSpec	Max	0.098	2.3416	0.000565	43	1951.184	1391.32	400
Entrepiso 1	D1	Sx-Um	LinRespSpec	Max	0.6426	0.022	3.4E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	Sy-Um	LinRespSpec	Max	0.0224	0.5705	0.000134	43	1951.184	1391.32	400
Entrepiso 1	D1	U1	Combination		-0.0886	-0.0823	-1.3E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U2	Combination		-0.1006	-0.094	-1.5E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U3	Combination		-0.0914	-0.0852	-1.3E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U4	Combination		-0.0914	-0.0852	-1.3E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U5	Combination		-0.0914	-0.0852	-1.3E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U6	Combination		-0.0914	-0.0852	-1.3E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U7	Combination	Max	0.7183	0.1649	8.4E-05	43	1951.184	1391.32	400

Table 5.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Entrepiso 1	D1	U7	Combination	Min	-0.901	-0.3353	-0.00011	43	1951.184	1391.32	400
Entrepiso 1	D1	U8	Combination	Max	0.1794	0.6557	0.000176	43	1951.184	1391.32	400
Entrepiso 1	D1	U8	Combination	Min	-0.3621	-0.8261	-0.000203	43	1951.184	1391.32	400
Entrepiso 1	D1	U9	Combination	Max	0.7091	-0.0546	3.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U9	Combination	Min	-0.8919	-0.1158	-5.7E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U10	Combination	Max	-0.0607	0.6466	0.000163	43	1951.184	1391.32	400
Entrepiso 1	D1	U10	Combination	Min	-0.122	-0.8169	-0.00019	43	1951.184	1391.32	400
Entrepiso 1	D1	U11	Combination		-0.0569	-0.0529	-8E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	U12	Combination		-0.0569	-0.0529	-8E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	U13	Combination	Max	0.7527	0.1972	8.9E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U13	Combination	Min	-0.8666	-0.303	-0.000105	43	1951.184	1391.32	400
Entrepiso 1	D1	U14	Combination	Max	0.2138	0.688	0.000181	43	1951.184	1391.32	400
Entrepiso 1	D1	U14	Combination	Min	-0.3277	-0.7938	-0.000198	43	1951.184	1391.32	400
Entrepiso 1	D1	U15	Combination	Max	0.7436	-0.0223	3.6E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U15	Combination	Min	-0.8574	-0.0835	-5.2E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	U16	Combination	Max	-0.0263	0.6789	0.000168	43	1951.184	1391.32	400
Entrepiso 1	D1	U16	Combination	Min	-0.0876	-0.7846	-0.000185	43	1951.184	1391.32	400
Entrepiso 1	D1	S1	Combination		-0.0633	-0.0588	-9E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	S2	Combination		-0.0787	-0.0734	-1.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S3	Combination		-0.0633	-0.0588	-9E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	S4	Combination		-0.0749	-0.0698	-1.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S5	Combination		-0.0633	-0.0588	-9E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	S6	Combination		-0.0633	-0.0588	-9E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	S7	Combination	Max	0.1263	0.4599	0.000124	43	1951.184	1391.32	400
Entrepiso 1	D1	S7	Combination	Min	-0.2528	-0.5774	-0.000142	43	1951.184	1391.32	400

Table 5.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Entrepiso 1	D1	S8	Combination	Max	0.1263	0.4599	0.000124	43	1951.184	1391.32	400
Entrepiso 1	D1	S8	Combination	Min	-0.2528	-0.5774	-0.000142	43	1951.184	1391.32	400
Entrepiso 1	D1	S9	Combination	Max	0.4971	-0.0373	2.2E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S9	Combination	Min	-0.6236	-0.0802	-4E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S10	Combination	Max	-0.0418	0.4535	0.000114	43	1951.184	1391.32	400
Entrepiso 1	D1	S10	Combination	Min	-0.0847	-0.571	-0.000133	43	1951.184	1391.32	400
Entrepiso 1	D1	S11	Combination		-0.0749	-0.0698	-1.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S12	Combination		-0.0749	-0.0698	-1.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S13	Combination	Max	0.3504	0.0616	4E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S13	Combination	Min	-0.5001	-0.2011	-6.2E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S14	Combination	Max	0.0674	0.3194	8.9E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S14	Combination	Min	-0.2171	-0.4589	-0.000111	43	1951.184	1391.32	400
Entrepiso 1	D1	S15	Combination	Max	0.3456	-0.0537	1.2E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S15	Combination	Min	-0.4953	-0.0858	-3.4E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S16	Combination	Max	-0.0588	0.3146	8.2E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S16	Combination	Min	-0.0909	-0.4541	-0.000104	43	1951.184	1391.32	400
Entrepiso 1	D1	S17	Combination		-0.0038	-0.0035	-1E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	S18	Combination		-0.0038	-0.0035	-1E-06	43	1951.184	1391.32	400
Entrepiso 1	D1	S19	Combination	Max	0.563	0.1716	6.7E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S19	Combination	Min	-0.5706	-0.1786	-6.8E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S20	Combination	Max	0.1857	0.5151	0.000132	43	1951.184	1391.32	400
Entrepiso 1	D1	S20	Combination	Min	-0.1933	-0.5222	-0.000133	43	1951.184	1391.32	400
Entrepiso 1	D1	S21	Combination	Max	0.5565	0.0179	3E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S21	Combination	Min	-0.5641	-0.0249	-3.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	S22	Combination	Max	0.0176	0.5087	0.000123	43	1951.184	1391.32	400

Table 5.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX cm	UY cm	RZ rad	Point	X cm	Y cm	Z cm
Entrepiso 1	D1	S22	Combination	Min	-0.0252	-0.5157	-0.000124	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx	Combination	Max	2.4702	0.0127	0.000128	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx	Combination	Min	-2.6529	-0.1831	-0.000155	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy	Combination	Max	0.0067	2.2564	0.000551	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy	Combination	Min	-0.1894	-2.4268	-0.000578	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx-1	Combination	Max	2.5046	0.045	0.000133	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx-1	Combination	Min	-2.6185	-0.1508	-0.000149	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy-1	Combination	Max	0.0411	2.2887	0.000556	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy-1	Combination	Min	-0.155	-2.3945	-0.000573	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx-Um	Combination	Max	0.5512	-0.0632	2.1E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx-Um	Combination	Min	-0.734	-0.1071	-4.8E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx-1 -Um	Combination	Max	0.5857	-0.0309	2.6E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	Dx-1 -Um	Combination	Min	-0.6995	-0.0748	-4.3E-05	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy-Um	Combination	Max	-0.0689	0.4854	0.000121	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy-Um	Combination	Min	-0.1138	-0.6557	-0.000148	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy-1-Um	Combination	Max	-0.0345	0.5177	0.000126	43	1951.184	1391.32	400
Entrepiso 1	D1	Dy-1-Um	Combination	Min	-0.0794	-0.6234	-0.000142	43	1951.184	1391.32	400

5.2 Story Results

Table 5.4 - Story Max Over Avg Displacements

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Cubierta	Dead	LinStatic		X	0.2001	0.198	1.01
Cubierta	Dead	LinStatic		Y	0.2276	0.2247	1.013
Entrepiso 1	Dead	LinStatic		X	0.076	0.0646	1.176
Entrepiso 1	Dead	LinStatic		Y	0.0728	0.0568	1.28
Cubierta	Live	LinStatic		X	0.0488	0.0477	1.022
Cubierta	Live	LinStatic		Y	0.0563	0.0549	1.026
Entrepiso 1	Live	LinStatic		X	0.0187	0.0158	1.184
Entrepiso 1	Live	LinStatic		Y	0.0183	0.0142	1.288
Cubierta	Sx-FHE	LinStatic		X	9.7963	9.5967	1.021
Entrepiso 1	Sx-FHE	LinStatic		X	4.388	4.3367	1.012
Cubierta	Sy-FHE	LinStatic		Y	9.8771	9.0396	1.093

Table 5.4 - Story Max Over Avg Displacements (continued)

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Entrepiso 1	Sy-FHE	LinStatic		Y	4.3103	4.0514	1.064
Cubierta	Sx-FHE+Exc	LinStatic		X	9.8162	9.4346	1.04
Entrepiso 1	Sx-FHE+Exc	LinStatic		X	4.4612	4.2779	1.043
Cubierta	Sx-FHE-Exc	LinStatic		X	10.5396	9.7587	1.08
Entrepiso 1	Sx-FHE-Exc	LinStatic		X	4.6813	4.3955	1.065
Cubierta	Sy-FHE+Exc	LinStatic		Y	9.0792	8.7699	1.035
Entrepiso 1	Sy-FHE+Exc	LinStatic		Y	4.1666	3.9627	1.051
Cubierta	Sy-FHE-Exc	LinStatic		Y	11.2936	9.3092	1.213
Entrepiso 1	Sy-FHE-Exc	LinStatic		Y	4.8617	4.1401	1.174
Cubierta	Sx	LinRespSpec	Max	X	7.6194	7.2014	1.058
Entrepiso 1	Sx	LinRespSpec	Max	X	3.3774	3.2243	1.047
Cubierta	Sy	LinRespSpec	Max	X	2.4326	1.4328	1.698
Cubierta	Sy	LinRespSpec	Max	Y	8.9155	7.197	1.239
Entrepiso 1	Sy	LinRespSpec	Max	X	1.0293	0.6192	1.662
Entrepiso 1	Sy	LinRespSpec	Max	Y	3.8447	3.1818	1.208
Cubierta	Sx-Der	LinRespSpec	Max	X	6.0955	5.7611	1.058
Entrepiso 1	Sx-Der	LinRespSpec	Max	X	2.7019	2.5795	1.047
Cubierta	Sy-Der	LinRespSpec	Max	X	1.9461	1.1462	1.698
Cubierta	Sy-Der	LinRespSpec	Max	Y	7.1324	5.7577	1.239
Entrepiso 1	Sy-Der	LinRespSpec	Max	X	0.8235	0.4954	1.662
Entrepiso 1	Sy-Der	LinRespSpec	Max	Y	3.0758	2.5455	1.208
Cubierta	Sx-Um	LinRespSpec	Max	X	1.5355	1.4477	1.061
Entrepiso 1	Sx-Um	LinRespSpec	Max	X	0.6795	0.6471	1.05
Cubierta	Sy-Um	LinRespSpec	Max	X	0.469	0.2755	1.702
Cubierta	Sy-Um	LinRespSpec	Max	Y	1.7606	1.398	1.259
Entrepiso 1	Sy-Um	LinRespSpec	Max	X	0.1962	0.1174	1.671
Entrepiso 1	Sy-Um	LinRespSpec	Max	Y	0.7579	0.6167	1.229
Cubierta	U1	Combination		X	0.2801	0.2772	1.01
Cubierta	U1	Combination		Y	0.3186	0.3145	1.013
Entrepiso 1	U1	Combination		X	0.1064	0.0905	1.176
Entrepiso 1	U1	Combination		Y	0.1019	0.0796	1.28
Cubierta	U2	Combination		X	0.3181	0.314	1.013
Cubierta	U2	Combination		Y	0.3632	0.3574	1.016
Entrepiso 1	U2	Combination		X	0.1211	0.1029	1.178
Entrepiso 1	U2	Combination		Y	0.1166	0.0909	1.282
Cubierta	U3	Combination		X	0.2889	0.2854	1.012
Cubierta	U3	Combination		Y	0.3294	0.3245	1.015
Entrepiso 1	U3	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U3	Combination		Y	0.1056	0.0824	1.282
Cubierta	U4	Combination		X	0.2889	0.2854	1.012
Cubierta	U4	Combination		Y	0.3294	0.3245	1.015
Entrepiso 1	U4	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U4	Combination		Y	0.1056	0.0824	1.282
Cubierta	U5	Combination		X	0.2889	0.2854	1.012
Cubierta	U5	Combination		Y	0.3294	0.3245	1.015
Entrepiso 1	U5	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U5	Combination		Y	0.1056	0.0824	1.282
Cubierta	U6	Combination		X	0.2889	0.2854	1.012
Cubierta	U6	Combination		Y	0.3294	0.3245	1.015

Table 5.4 - Story Max Over Avg Displacements (continued)

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Entrepiso 1	U6	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U6	Combination		Y	0.1056	0.0824	1.282
Cubierta	U7	Combination	Max	X	1.7984	1.6535	1.088
Cubierta	U7	Combination	Max	Y	0.5758	0.394	1.461
Entrepiso 1	U7	Combination	Max	X	0.8117	0.7656	1.06
Entrepiso 1	U7	Combination	Max	Y	0.322	0.2359	1.365
Cubierta	U7	Combination	Min	X	2.3762	2.2264	1.067
Cubierta	U7	Combination	Min	Y	1.2149	1.0407	1.167
Entrepiso 1	U7	Combination	Min	X	1.0315	0.9628	1.071
Entrepiso 1	U7	Combination	Min	Y	0.4404	0.3885	1.133
Cubierta	U8	Combination	Max	X	0.8907	0.6215	1.433
Cubierta	U8	Combination	Max	Y	1.9773	1.5342	1.289
Entrepiso 1	U8	Combination	Max	X	0.4007	0.3015	1.329
Entrepiso 1	U8	Combination	Max	Y	0.9299	0.7379	1.26
Cubierta	U8	Combination	Min	X	1.4685	1.1944	1.229
Cubierta	U8	Combination	Min	Y	2.6164	2.1831	1.198
Entrepiso 1	U8	Combination	Min	X	0.6205	0.4987	1.244
Entrepiso 1	U8	Combination	Min	Y	1.0482	0.9027	1.161
Cubierta	U9	Combination	Max	X	1.616	1.515	1.067
Cubierta	U9	Combination	Max	Y	0.2661	0.1795	1.483
Entrepiso 1	U9	Combination	Max	X	0.7345	0.7127	1.031
Cubierta	U9	Combination	Min	X	2.1937	2.0857	1.052
Cubierta	U9	Combination	Min	Y	0.5463	0.465	1.175
Entrepiso 1	U9	Combination	Min	X	0.9543	0.8995	1.061
Entrepiso 1	U9	Combination	Min	Y	0.1785	0.1468	1.216
Cubierta	U10	Combination	Max	Y	1.9093	1.4748	1.295
Entrepiso 1	U10	Combination	Max	Y	0.902	0.7131	1.265
Cubierta	U10	Combination	Min	X	0.897	0.6447	1.391
Cubierta	U10	Combination	Min	Y	2.5484	2.1237	1.2
Entrepiso 1	U10	Combination	Min	X	0.3672	0.2534	1.449
Entrepiso 1	U10	Combination	Min	Y	1.0204	0.8779	1.162
Cubierta	U11	Combination		X	0.1801	0.1782	1.01
Cubierta	U11	Combination		Y	0.2048	0.2022	1.013
Entrepiso 1	U11	Combination		X	0.0684	0.0582	1.176
Entrepiso 1	U11	Combination		Y	0.0655	0.0512	1.28
Cubierta	U12	Combination		X	0.1801	0.1782	1.01
Cubierta	U12	Combination		Y	0.2048	0.2022	1.013
Entrepiso 1	U12	Combination		X	0.0684	0.0582	1.176
Entrepiso 1	U12	Combination		Y	0.0655	0.0512	1.28
Cubierta	U13	Combination	Max	X	1.9072	1.7612	1.083
Cubierta	U13	Combination	Max	Y	0.6958	0.5158	1.349
Entrepiso 1	U13	Combination	Max	X	0.8532	0.8028	1.063
Entrepiso 1	U13	Combination	Max	Y	0.3444	0.2652	1.299
Cubierta	U13	Combination	Min	X	2.2674	2.1188	1.07
Cubierta	U13	Combination	Min	Y	1.095	0.919	1.191
Entrepiso 1	U13	Combination	Min	X	0.9899	0.9256	1.069
Entrepiso 1	U13	Combination	Min	Y	0.418	0.361	1.158
Cubierta	U14	Combination	Max	X	0.9995	0.7292	1.371
Cubierta	U14	Combination	Max	Y	2.0973	1.6564	1.266

Table 5.4 - Story Max Over Avg Displacements (continued)

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Entrepiso 1	U14	Combination	Max	X	0.4423	0.3387	1.306
Entrepiso 1	U14	Combination	Max	Y	0.9522	0.7692	1.238
Cubierta	U14	Combination	Min	X	1.3597	1.0868	1.251
Cubierta	U14	Combination	Min	Y	2.4965	2.0608	1.211
Entrepiso 1	U14	Combination	Min	X	0.579	0.4615	1.255
Entrepiso 1	U14	Combination	Min	Y	1.0259	0.8715	1.177
Cubierta	U15	Combination	Max	X	1.7248	1.6221	1.063
Entrepiso 1	U15	Combination	Max	X	0.776	0.7479	1.038
Cubierta	U15	Combination	Min	X	2.0849	1.9786	1.054
Cubierta	U15	Combination	Min	Y	0.4263	0.3438	1.24
Entrepiso 1	U15	Combination	Min	X	0.9127	0.8643	1.056
Entrepiso 1	U15	Combination	Min	Y	0.1383	0.1108	1.249
Cubierta	U16	Combination	Max	X	0.4281	0.1794	2.386
Cubierta	U16	Combination	Max	Y	2.0293	1.5971	1.271
Entrepiso 1	U16	Combination	Max	X	0.1889	0.0934	2.023
Entrepiso 1	U16	Combination	Max	Y	0.9244	0.7443	1.242
Cubierta	U16	Combination	Min	X	0.7882	0.537	1.468
Cubierta	U16	Combination	Min	Y	2.4285	2.0015	1.213
Entrepiso 1	U16	Combination	Min	X	0.3257	0.2162	1.507
Entrepiso 1	U16	Combination	Min	Y	0.998	0.8466	1.179
Cubierta	S1	Combination		X	0.2001	0.198	1.01
Cubierta	S1	Combination		Y	0.2276	0.2247	1.013
Entrepiso 1	S1	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S1	Combination		Y	0.0728	0.0568	1.28
Cubierta	S2	Combination		X	0.2489	0.2458	1.013
Cubierta	S2	Combination		Y	0.2839	0.2796	1.016
Entrepiso 1	S2	Combination		X	0.0947	0.0804	1.177
Entrepiso 1	S2	Combination		Y	0.0911	0.071	1.282
Cubierta	S3	Combination		X	0.2001	0.198	1.01
Cubierta	S3	Combination		Y	0.2276	0.2247	1.013
Entrepiso 1	S3	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S3	Combination		Y	0.0728	0.0568	1.28
Cubierta	S4	Combination		X	0.2367	0.2338	1.012
Cubierta	S4	Combination		Y	0.2698	0.2658	1.015
Entrepiso 1	S4	Combination		X	0.09	0.0765	1.177
Entrepiso 1	S4	Combination		Y	0.0865	0.0675	1.282
Cubierta	S5	Combination		X	0.2001	0.198	1.01
Cubierta	S5	Combination		Y	0.2276	0.2247	1.013
Entrepiso 1	S5	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S5	Combination		Y	0.0728	0.0568	1.28
Cubierta	S6	Combination		X	0.2001	0.198	1.01
Cubierta	S6	Combination		Y	0.2276	0.2247	1.013
Entrepiso 1	S6	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S6	Combination		Y	0.0728	0.0568	1.28
Cubierta	S7	Combination	Max	X	0.6257	0.4369	1.432
Cubierta	S7	Combination	Max	Y	1.3861	1.0764	1.288
Entrepiso 1	S7	Combination	Max	X	0.2815	0.2119	1.329
Entrepiso 1	S7	Combination	Max	Y	0.6514	0.5174	1.259
Cubierta	S7	Combination	Min	X	1.0258	0.8342	1.23

Table 5.4 - Story Max Over Avg Displacements (continued)

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Cubierta	S7	Combination	Min	Y	1.8296	1.5257	1.199
Entrepiso 1	S7	Combination	Min	X	0.4334	0.3483	1.244
Entrepiso 1	S7	Combination	Min	Y	0.7332	0.6311	1.162
Cubierta	S8	Combination	Max	X	0.6257	0.4369	1.432
Cubierta	S8	Combination	Max	Y	1.3861	1.0764	1.288
Entrepiso 1	S8	Combination	Max	X	0.2815	0.2119	1.329
Entrepiso 1	S8	Combination	Max	Y	0.6514	0.5174	1.259
Cubierta	S8	Combination	Min	X	1.0258	0.8342	1.23
Cubierta	S8	Combination	Min	Y	1.8296	1.5257	1.199
Entrepiso 1	S8	Combination	Min	X	0.4334	0.3483	1.244
Entrepiso 1	S8	Combination	Min	Y	0.7332	0.6311	1.162
Cubierta	S9	Combination	Max	X	1.1333	1.0622	1.067
Cubierta	S9	Combination	Max	Y	0.1837	0.1234	1.489
Entrepiso 1	S9	Combination	Max	X	0.5151	0.4996	1.031
Cubierta	S9	Combination	Min	X	1.5335	1.4583	1.052
Cubierta	S9	Combination	Min	Y	0.3805	0.3233	1.177
Entrepiso 1	S9	Combination	Min	X	0.667	0.6289	1.061
Entrepiso 1	S9	Combination	Min	Y	0.1238	0.1018	1.216
Cubierta	S10	Combination	Max	Y	1.3384	1.0348	1.293
Entrepiso 1	S10	Combination	Max	Y	0.6319	0.5	1.264
Cubierta	S10	Combination	Min	X	0.6258	0.4494	1.392
Cubierta	S10	Combination	Min	Y	1.782	1.4841	1.201
Entrepiso 1	S10	Combination	Min	X	0.2561	0.1766	1.45
Entrepiso 1	S10	Combination	Min	Y	0.7137	0.6137	1.163
Cubierta	S11	Combination		X	0.2367	0.2338	1.012
Cubierta	S11	Combination		Y	0.2698	0.2658	1.015
Entrepiso 1	S11	Combination		X	0.09	0.0765	1.177
Entrepiso 1	S11	Combination		Y	0.0865	0.0675	1.282
Cubierta	S12	Combination		X	0.2367	0.2338	1.012
Cubierta	S12	Combination		Y	0.2698	0.2658	1.015
Entrepiso 1	S12	Combination		X	0.09	0.0765	1.177
Entrepiso 1	S12	Combination		Y	0.0865	0.0675	1.282
Cubierta	S13	Combination	Max	X	0.8596	0.7842	1.096
Cubierta	S13	Combination	Max	Y	0.2085	0.1119	1.863
Entrepiso 1	S13	Combination	Max	X	0.394	0.3731	1.056
Entrepiso 1	S13	Combination	Max	Y	0.1518	0.1013	1.499
Cubierta	S13	Combination	Min	X	1.3329	1.2536	1.063
Cubierta	S13	Combination	Min	Y	0.7322	0.6418	1.141
Entrepiso 1	S13	Combination	Min	X	0.574	0.5347	1.074
Entrepiso 1	S13	Combination	Min	Y	0.2487	0.2252	1.105
Cubierta	S14	Combination	Max	X	0.383	0.2422	1.581
Cubierta	S14	Combination	Max	Y	0.9445	0.7103	1.33
Entrepiso 1	S14	Combination	Max	X	0.1782	0.1294	1.377
Entrepiso 1	S14	Combination	Max	Y	0.471	0.3633	1.296
Cubierta	S14	Combination	Min	X	0.8563	0.7116	1.203
Cubierta	S14	Combination	Min	Y	1.4682	1.242	1.182
Entrepiso 1	S14	Combination	Min	X	0.3582	0.291	1.231
Entrepiso 1	S14	Combination	Min	Y	0.5679	0.4983	1.14
Cubierta	S15	Combination	Max	X	0.7638	0.7117	1.073

Table 5.4 - Story Max Over Avg Displacements (continued)

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Cubierta	S15	Combination	Max	Y	0.2353	0.189	1.245
Entrepiso 1	S15	Combination	Max	X	0.3534	0.3469	1.019
Cubierta	S15	Combination	Min	X	1.2371	1.1794	1.049
Cubierta	S15	Combination	Min	Y	0.3809	0.339	1.124
Entrepiso 1	S15	Combination	Min	X	0.5335	0.4999	1.067
Entrepiso 1	S15	Combination	Min	Y	0.1247	0.1047	1.191
Cubierta	S16	Combination	Max	Y	0.9088	0.6791	1.338
Entrepiso 1	S16	Combination	Max	Y	0.4563	0.3503	1.303
Cubierta	S16	Combination	Min	X	0.5561	0.4228	1.315
Cubierta	S16	Combination	Min	Y	1.4324	1.2108	1.183
Entrepiso 1	S16	Combination	Min	X	0.2252	0.1621	1.389
Entrepiso 1	S16	Combination	Min	Y	0.5533	0.4853	1.14
Cubierta	S17	Combination		X	0.012	0.0119	1.01
Cubierta	S17	Combination		Y	0.0137	0.0135	1.013
Entrepiso 1	S17	Combination		X	0.0046	0.0039	1.176
Entrepiso 1	S17	Combination		Y	0.0044	0.0034	1.28
Cubierta	S18	Combination		X	0.012	0.0119	1.01
Cubierta	S18	Combination		Y	0.0137	0.0135	1.013
Entrepiso 1	S18	Combination		X	0.0046	0.0039	1.176
Entrepiso 1	S18	Combination		Y	0.0044	0.0034	1.28
Cubierta	S19	Combination	Max	X	1.4491	1.3461	1.077
Cubierta	S19	Combination	Max	Y	0.6135	0.4887	1.255
Entrepiso 1	S19	Combination	Max	X	0.6405	0.6009	1.066
Entrepiso 1	S19	Combination	Max	Y	0.2644	0.216	1.224
Cubierta	S19	Combination	Min	X	1.4731	1.3699	1.075
Cubierta	S19	Combination	Min	Y	0.6401	0.5156	1.241
Entrepiso 1	S19	Combination	Min	X	0.6496	0.609	1.067
Entrepiso 1	S19	Combination	Min	Y	0.2693	0.2224	1.211
Cubierta	S20	Combination	Max	X	0.8137	0.6236	1.305
Cubierta	S20	Combination	Max	Y	1.5945	1.2876	1.238
Entrepiso 1	S20	Combination	Max	X	0.3529	0.276	1.279
Entrepiso 1	S20	Combination	Max	Y	0.6899	0.5708	1.209
Cubierta	S20	Combination	Min	X	0.8377	0.6475	1.294
Cubierta	S20	Combination	Min	Y	1.6211	1.3145	1.233
Entrepiso 1	S20	Combination	Min	X	0.362	0.2842	1.274
Entrepiso 1	S20	Combination	Min	Y	0.6948	0.5776	1.203
Cubierta	S21	Combination	Max	X	1.3214	1.2484	1.059
Entrepiso 1	S21	Combination	Max	X	0.5865	0.5604	1.047
Cubierta	S21	Combination	Min	X	1.3454	1.2721	1.058
Entrepiso 1	S21	Combination	Min	X	0.5956	0.5681	1.048
Cubierta	S22	Combination	Max	X	0.4137	0.2388	1.732
Cubierta	S22	Combination	Max	Y	1.5469	1.246	1.241
Entrepiso 1	S22	Combination	Max	X	0.1756	0.1043	1.684
Entrepiso 1	S22	Combination	Max	Y	0.6704	0.5534	1.211
Cubierta	S22	Combination	Min	X	0.4377	0.2627	1.666
Cubierta	S22	Combination	Min	Y	1.5735	1.273	1.236
Entrepiso 1	S22	Combination	Min	X	0.1847	0.1125	1.642
Entrepiso 1	S22	Combination	Min	Y	0.6753	0.5602	1.205
Cubierta	Dx	Combination	Max	X	5.8067	5.4757	1.06

Table 5.4 - Story Max Over Avg Displacements (continued)

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Entrepiso 1	Dx	Combination	Max	X	2.592	2.4861	1.043
Cubierta	Dx	Combination	Min	X	6.3844	6.0464	1.056
Cubierta	Dx	Combination	Min	Y	1.045	0.779	1.341
Entrepiso 1	Dx	Combination	Min	X	2.8118	2.6728	1.052
Entrepiso 1	Dx	Combination	Min	Y	0.3563	0.2697	1.321
Cubierta	Dy	Combination	Max	X	1.6573	0.8598	1.928
Cubierta	Dy	Combination	Max	Y	6.8129	5.4332	1.254
Entrepiso 1	Dy	Combination	Max	X	0.7136	0.3968	1.799
Entrepiso 1	Dy	Combination	Max	Y	3.0166	2.4631	1.225
Cubierta	Dy	Combination	Min	X	2.235	1.4327	1.56
Cubierta	Dy	Combination	Min	Y	7.452	6.0821	1.225
Entrepiso 1	Dy	Combination	Min	X	0.9334	0.594	1.571
Entrepiso 1	Dy	Combination	Min	Y	3.135	2.6279	1.193
Cubierta	Dx-1	Combination	Max	X	5.9155	5.5829	1.06
Entrepiso 1	Dx-1	Combination	Max	X	2.6335	2.5213	1.045
Cubierta	Dx-1	Combination	Min	X	6.2756	5.9393	1.057
Cubierta	Dx-1	Combination	Min	Y	0.9251	0.6578	1.406
Entrepiso 1	Dx-1	Combination	Min	X	2.7703	2.6377	1.05
Cubierta	Dy-1	Combination	Max	X	1.7661	0.9674	1.825
Cubierta	Dy-1	Combination	Max	Y	6.9328	5.5555	1.248
Entrepiso 1	Dy-1	Combination	Max	X	0.7551	0.434	1.74
Entrepiso 1	Dy-1	Combination	Max	Y	3.039	2.4943	1.218
Cubierta	Dy-1	Combination	Min	X	2.1262	1.325	1.605
Cubierta	Dy-1	Combination	Min	Y	7.332	5.9599	1.23
Entrepiso 1	Dy-1	Combination	Min	X	0.8919	0.5568	1.602
Entrepiso 1	Dy-1	Combination	Min	Y	3.1126	2.5966	1.199
Cubierta	Dx-Um	Combination	Max	X	1.2466	1.1624	1.073
Cubierta	Dx-Um	Combination	Max	Y	0.2789	0.208	1.341
Entrepiso 1	Dx-Um	Combination	Max	X	0.5696	0.5538	1.029
Cubierta	Dx-Um	Combination	Min	X	1.8244	1.7331	1.053
Cubierta	Dx-Um	Combination	Min	Y	0.5021	0.4364	1.15
Entrepiso 1	Dx-Um	Combination	Min	X	0.7894	0.7405	1.066
Entrepiso 1	Dx-Um	Combination	Min	Y	0.1607	0.1336	1.202
Cubierta	Dx-1 -Um	Combination	Max	X	1.3554	1.2695	1.068
Entrepiso 1	Dx-1 -Um	Combination	Max	X	0.6111	0.5889	1.038
Cubierta	Dx-1 -Um	Combination	Min	X	1.7156	1.6259	1.055
Cubierta	Dx-1 -Um	Combination	Min	Y	0.3821	0.3152	1.212
Entrepiso 1	Dx-1 -Um	Combination	Min	X	0.7479	0.7053	1.06
Entrepiso 1	Dx-1 -Um	Combination	Min	Y	0.1206	0.0976	1.235
Cubierta	Dy-Um	Combination	Max	Y	1.441	1.0735	1.342
Entrepiso 1	Dy-Um	Combination	Max	Y	0.6987	0.5343	1.308
Cubierta	Dy-Um	Combination	Min	X	0.7578	0.5619	1.349
Cubierta	Dy-Um	Combination	Min	Y	2.0801	1.7225	1.208
Entrepiso 1	Dy-Um	Combination	Min	X	0.3062	0.216	1.417
Entrepiso 1	Dy-Um	Combination	Min	Y	0.8171	0.6991	1.169
Cubierta	Dy-1-Um	Combination	Max	Y	1.561	1.1958	1.305
Entrepiso 1	Dy-1-Um	Combination	Max	Y	0.7211	0.5656	1.275
Cubierta	Dy-1-Um	Combination	Min	X	0.649	0.4543	1.429
Cubierta	Dy-1-Um	Combination	Min	Y	1.9602	1.6002	1.225

Table 5.4 - Story Max Over Avg Displacements (continued)

Story	Output Case	Case Type	Step Type	Direction	Maximum cm	Average cm	Ratio
Entrepiso 1	Dy-1-Um	Combination	Min	X	0.2646	0.1788	1.48
Entrepiso 1	Dy-1-Um	Combination	Min	Y	0.7947	0.6679	1.19

Table 5.5 - Story Drifts

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X cm	Y cm	Z cm
Cubierta	Dead	LinStatic		X	0.000357	6	3485	2481	800
Cubierta	Dead	LinStatic		Y	0.000452	7	0	1696	800
Cubierta	Live	LinStatic		X	8.5E-05	6	3485	2481	800
Cubierta	Live	LinStatic		Y	0.000108	7	0	1696	800
Cubierta	Sx-FHE	LinStatic		X	0.013521	23	3485	0	800
Cubierta	Sy-FHE	LinStatic		Y	0.013917	7	0	1696	800
Cubierta	Sx-FHE+Exc	LinStatic		X	0.013387	6	3485	2481	800
Cubierta	Sx-FHE-Exc	LinStatic		X	0.014646	23	3485	0	800
Cubierta	Sy-FHE+Exc	LinStatic		Y	0.012281	23	3485	0	800
Cubierta	Sy-FHE-Exc	LinStatic		Y	0.01608	7	0	1696	800
Cubierta	Sx	LinRespSpec	Max	X	0.010711	23	3485	0	800
Cubierta	Sy	LinRespSpec	Max	X	0.003661	23	3485	0	800
Cubierta	Sy	LinRespSpec	Max	Y	0.012848	7	0	1696	800
Cubierta	Sx-Der	LinRespSpec	Max	X	0.008569	23	3485	0	800
Cubierta	Sy-Der	LinRespSpec	Max	X	0.002929	23	3485	0	800
Cubierta	Sy-Der	LinRespSpec	Max	Y	0.010278	7	0	1696	800
Cubierta	Sx-Um	LinRespSpec	Max	X	0.002152	23	3485	0	800
Cubierta	Sy-Um	LinRespSpec	Max	X	0.000701	23	3485	0	800
Cubierta	Sy-Um	LinRespSpec	Max	Y	0.002527	7	0	1696	800
Cubierta	U1	Combination		X	0.000499	6	3485	2481	800
Cubierta	U1	Combination		Y	0.000633	7	0	1696	800
Cubierta	U2	Combination		X	0.000563	6	3485	2481	800
Cubierta	U2	Combination		Y	0.000716	7	0	1696	800
Cubierta	U3	Combination		X	0.000513	6	3485	2481	800
Cubierta	U3	Combination		Y	0.000651	7	0	1696	800
Cubierta	U4	Combination		X	0.000513	6	3485	2481	800
Cubierta	U4	Combination		Y	0.000651	7	0	1696	800
Cubierta	U5	Combination		X	0.000513	6	3485	2481	800
Cubierta	U5	Combination		Y	0.000651	7	0	1696	800
Cubierta	U6	Combination		X	0.000513	6	3485	2481	800
Cubierta	U6	Combination		Y	0.000651	7	0	1696	800
Cubierta	U7	Combination	Max	X	0.002505	23	3485	0	800
Cubierta	U7	Combination	Max	Y	0.000685	7	0	1696	800
Cubierta	U7	Combination	Min	X	0.0034	23	3485	0	800
Cubierta	U7	Combination	Min	Y	0.001987	7	0	1696	800
Cubierta	U8	Combination	Max	X	0.001271	23	3485	0	800
Cubierta	U8	Combination	Max	Y	0.002673	7	0	1696	800
Cubierta	U8	Combination	Min	X	0.002166	23	3485	0	800
Cubierta	U8	Combination	Min	Y	0.003975	7	0	1696	800
Cubierta	U9	Combination	Max	X	0.00223	23	3485	0	800
Cubierta	U9	Combination	Max	Y	0.000486	10	1880	1696	800
Cubierta	U9	Combination	Min	X	0.003125	23	3485	0	800
Cubierta	U9	Combination	Min	Y	0.001023	7	0	1696	800

Table 5.5 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X cm	Y cm	Z cm
Cubierta	U10	Combination	Max	Y	0.002561	7	0	1696	800
Cubierta	U10	Combination	Min	X	0.001363	23	3485	0	800
Cubierta	U10	Combination	Min	Y	0.003863	7	0	1696	800
Cubierta	U11	Combination		X	0.000321	6	3485	2481	800
Cubierta	U11	Combination		Y	0.000407	7	0	1696	800
Cubierta	U12	Combination		X	0.000321	6	3485	2481	800
Cubierta	U12	Combination		Y	0.000407	7	0	1696	800
Cubierta	U13	Combination	Max	X	0.002673	23	3485	0	800
Cubierta	U13	Combination	Max	Y	0.000929	7	0	1696	800
Cubierta	U13	Combination	Min	X	0.003232	23	3485	0	800
Cubierta	U13	Combination	Min	Y	0.001743	7	0	1696	800
Cubierta	U14	Combination	Max	X	0.001439	23	3485	0	800
Cubierta	U14	Combination	Max	Y	0.002917	7	0	1696	800
Cubierta	U14	Combination	Min	X	0.001998	23	3485	0	800
Cubierta	U14	Combination	Min	Y	0.003731	7	0	1696	800
Cubierta	U15	Combination	Max	X	0.002399	23	3485	0	800
Cubierta	U15	Combination	Min	X	0.002957	23	3485	0	800
Cubierta	U15	Combination	Min	Y	0.000779	7	0	1696	800
Cubierta	U16	Combination	Max	X	0.000636	23	3485	0	800
Cubierta	U16	Combination	Max	Y	0.002805	7	0	1696	800
Cubierta	U16	Combination	Min	X	0.001194	23	3485	0	800
Cubierta	U16	Combination	Min	Y	0.003619	7	0	1696	800
Cubierta	S1	Combination		X	0.000357	6	3485	2481	800
Cubierta	S1	Combination		Y	0.000452	7	0	1696	800
Cubierta	S2	Combination		X	0.000441	6	3485	2481	800
Cubierta	S2	Combination		Y	0.000561	7	0	1696	800
Cubierta	S3	Combination		X	0.000357	6	3485	2481	800
Cubierta	S3	Combination		Y	0.000452	7	0	1696	800
Cubierta	S4	Combination		X	0.00042	6	3485	2481	800
Cubierta	S4	Combination		Y	0.000533	7	0	1696	800
Cubierta	S5	Combination		X	0.000357	6	3485	2481	800
Cubierta	S5	Combination		Y	0.000452	7	0	1696	800
Cubierta	S6	Combination		X	0.000357	6	3485	2481	800
Cubierta	S6	Combination		Y	0.000452	7	0	1696	800
Cubierta	S7	Combination	Max	X	0.000893	23	3485	0	800
Cubierta	S7	Combination	Max	Y	0.001874	7	0	1696	800
Cubierta	S7	Combination	Min	X	0.001513	23	3485	0	800
Cubierta	S7	Combination	Min	Y	0.002779	7	0	1696	800
Cubierta	S8	Combination	Max	X	0.000893	23	3485	0	800
Cubierta	S8	Combination	Max	Y	0.001874	7	0	1696	800
Cubierta	S8	Combination	Min	X	0.001513	23	3485	0	800
Cubierta	S8	Combination	Min	Y	0.002779	7	0	1696	800
Cubierta	S9	Combination	Max	X	0.001564	23	3485	0	800
Cubierta	S9	Combination	Max	Y	0.000336	4	1880	2481	800
Cubierta	S9	Combination	Min	X	0.002185	23	3485	0	800
Cubierta	S9	Combination	Min	Y	0.000713	7	0	1696	800
Cubierta	S10	Combination	Max	Y	0.001796	7	0	1696	800
Cubierta	S10	Combination	Min	X	0.000951	23	3485	0	800
Cubierta	S10	Combination	Min	Y	0.002701	7	0	1696	800

Table 5.5 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X cm	Y cm	Z cm
Cubierta	S11	Combination		X	0.00042	6	3485	2481	800
Cubierta	S11	Combination		Y	0.000533	7	0	1696	800
Cubierta	S12	Combination		X	0.00042	6	3485	2481	800
Cubierta	S12	Combination		Y	0.000533	7	0	1696	800
Cubierta	S13	Combination	Max	X	0.001184	23	3485	0	800
Cubierta	S13	Combination	Min	X	0.001917	23	3485	0	800
Cubierta	S13	Combination	Min	Y	0.001235	7	0	1696	800
Cubierta	S14	Combination	Max	X	0.000536	23	3485	0	800
Cubierta	S14	Combination	Max	Y	0.001212	7	0	1696	800
Cubierta	S14	Combination	Min	X	0.001269	23	3485	0	800
Cubierta	S14	Combination	Min	Y	0.002279	7	0	1696	800
Cubierta	S15	Combination	Max	X	0.00104	23	3485	0	800
Cubierta	S15	Combination	Max	Y	0.000432	10	1880	1696	800
Cubierta	S15	Combination	Min	X	0.001773	23	3485	0	800
Cubierta	S15	Combination	Min	Y	0.000729	7	0	1696	800
Cubierta	S16	Combination	Max	X	0.000315	13	3485	1696	800
Cubierta	S16	Combination	Max	Y	0.001154	7	0	1696	800
Cubierta	S16	Combination	Min	X	0.000847	23	3485	0	800
Cubierta	S16	Combination	Min	Y	0.00222	7	0	1696	800
Cubierta	S17	Combination		X	2.1E-05	6	3485	2481	800
Cubierta	S17	Combination		Y	2.7E-05	7	0	1696	800
Cubierta	S18	Combination		X	2.1E-05	6	3485	2481	800
Cubierta	S18	Combination		Y	2.7E-05	7	0	1696	800
Cubierta	S19	Combination	Max	X	0.002048	23	3485	0	800
Cubierta	S19	Combination	Max	Y	0.000908	7	0	1696	800
Cubierta	S19	Combination	Min	X	0.002085	23	3485	0	800
Cubierta	S19	Combination	Min	Y	0.000962	7	0	1696	800
Cubierta	S20	Combination	Max	X	0.001184	23	3485	0	800
Cubierta	S20	Combination	Max	Y	0.002299	7	0	1696	800
Cubierta	S20	Combination	Min	X	0.001222	23	3485	0	800
Cubierta	S20	Combination	Min	Y	0.002354	7	0	1696	800
Cubierta	S21	Combination	Max	X	0.001856	23	3485	0	800
Cubierta	S21	Combination	Min	X	0.001893	23	3485	0	800
Cubierta	S21	Combination	Min	Y	0.000288	7	0	1696	800
Cubierta	S22	Combination	Max	X	0.000622	23	3485	0	800
Cubierta	S22	Combination	Max	Y	0.002221	7	0	1696	800
Cubierta	S22	Combination	Min	X	0.000659	23	3485	0	800
Cubierta	S22	Combination	Min	Y	0.002276	7	0	1696	800
Cubierta	Dx	Combination	Max	X	0.008122	23	3485	0	800
Cubierta	Dx	Combination	Min	X	0.009016	23	3485	0	800
Cubierta	Dx	Combination	Min	Y	0.001843	7	0	1696	800
Cubierta	Dy	Combination	Max	X	0.002481	23	3485	0	800
Cubierta	Dy	Combination	Max	Y	0.009627	7	0	1696	800
Cubierta	Dy	Combination	Min	X	0.003376	23	3485	0	800
Cubierta	Dy	Combination	Min	Y	0.010929	7	0	1696	800
Cubierta	Dx-1	Combination	Max	X	0.00829	23	3485	0	800
Cubierta	Dx-1	Combination	Min	X	0.008848	23	3485	0	800
Cubierta	Dx-1	Combination	Min	Y	0.001599	7	0	1696	800
Cubierta	Dy-1	Combination	Max	X	0.002649	23	3485	0	800

Table 5.5 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X cm	Y cm	Z cm
Cubierta	Dy-1	Combination	Max	Y	0.009871	7	0	1696	800
Cubierta	Dy-1	Combination	Min	X	0.003208	23	3485	0	800
Cubierta	Dy-1	Combination	Min	Y	0.010685	7	0	1696	800
Cubierta	Dx-Um	Combination	Max	X	0.001704	23	3485	0	800
Cubierta	Dx-Um	Combination	Max	Y	0.000521	10	1880	1696	800
Cubierta	Dx-Um	Combination	Min	X	0.002599	23	3485	0	800
Cubierta	Dx-Um	Combination	Min	Y	0.000943	7	0	1696	800
Cubierta	Dx-1 -Um	Combination	Max	X	0.001872	23	3485	0	800
Cubierta	Dx-1 -Um	Combination	Max	Y	0.000295	10	1880	1696	800
Cubierta	Dx-1 -Um	Combination	Min	X	0.002431	23	3485	0	800
Cubierta	Dx-1 -Um	Combination	Min	Y	0.000699	7	0	1696	800
Cubierta	Dy-Um	Combination	Max	Y	0.001876	7	0	1696	800
Cubierta	Dy-Um	Combination	Min	X	0.001148	23	3485	0	800
Cubierta	Dy-Um	Combination	Min	Y	0.003178	7	0	1696	800
Cubierta	Dy-1-Um	Combination	Max	Y	0.00212	7	0	1696	800
Cubierta	Dy-1-Um	Combination	Min	X	0.00098	23	3485	0	800
Cubierta	Dy-1-Um	Combination	Min	Y	0.002934	7	0	1696	800
Entrepiso 1	Dead	LinStatic		X	0.00019	38	750	0	400
Entrepiso 1	Dead	LinStatic		Y	0.000182	23	3485	0	400
Entrepiso 1	Live	LinStatic		X	4.7E-05	38	750	0	400
Entrepiso 1	Live	LinStatic		Y	4.6E-05	23	3485	0	400
Entrepiso 1	Sx-FHE	LinStatic		X	0.01097	38	750	0	400
Entrepiso 1	Sy-FHE	LinStatic		Y	0.010776	11	0	0	400
Entrepiso 1	Sx-FHE+Exc	LinStatic		X	0.011153	6	3485	2481	400
Entrepiso 1	Sx-FHE-Exc	LinStatic		X	0.011703	38	750	0	400
Entrepiso 1	Sy-FHE+Exc	LinStatic		Y	0.010417	23	3485	0	400
Entrepiso 1	Sy-FHE-Exc	LinStatic		Y	0.012154	11	0	0	400
Entrepiso 1	Sx	LinRespSpec	Max	X	0.008444	38	750	0	400
Entrepiso 1	Sy	LinRespSpec	Max	X	0.002573	38	750	0	400
Entrepiso 1	Sy	LinRespSpec	Max	Y	0.009612	11	0	0	400
Entrepiso 1	Sx-Der	LinRespSpec	Max	X	0.006755	38	750	0	400
Entrepiso 1	Sy-Der	LinRespSpec	Max	X	0.002059	38	750	0	400
Entrepiso 1	Sy-Der	LinRespSpec	Max	Y	0.00769	11	0	0	400
Entrepiso 1	Sx-Um	LinRespSpec	Max	X	0.001699	38	750	0	400
Entrepiso 1	Sy-Um	LinRespSpec	Max	X	0.000491	38	750	0	400
Entrepiso 1	Sy-Um	LinRespSpec	Max	Y	0.001895	11	0	0	400
Entrepiso 1	U1	Combination		X	0.000266	38	750	0	400
Entrepiso 1	U1	Combination		Y	0.000255	23	3485	0	400
Entrepiso 1	U2	Combination		X	0.000303	38	750	0	400
Entrepiso 1	U2	Combination		Y	0.000291	23	3485	0	400
Entrepiso 1	U3	Combination		X	0.000275	38	750	0	400
Entrepiso 1	U3	Combination		Y	0.000264	23	3485	0	400
Entrepiso 1	U4	Combination		X	0.000275	38	750	0	400
Entrepiso 1	U4	Combination		Y	0.000264	23	3485	0	400
Entrepiso 1	U5	Combination		X	0.000275	38	750	0	400
Entrepiso 1	U5	Combination		Y	0.000264	23	3485	0	400
Entrepiso 1	U6	Combination		X	0.000275	38	750	0	400
Entrepiso 1	U6	Combination		Y	0.000264	23	3485	0	400
Entrepiso 1	U7	Combination	Max	X	0.002029	38	750	0	400

Table 5.5 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X cm	Y cm	Z cm
Entrepiso 1	U7	Combination	Max	Y	0.000805	18	0	496	400
Entrepiso 1	U7	Combination	Min	X	0.002579	38	750	0	400
Entrepiso 1	U7	Combination	Min	Y	0.001101	18	0	496	400
Entrepiso 1	U8	Combination	Max	X	0.001002	38	750	0	400
Entrepiso 1	U8	Combination	Max	Y	0.002325	11	0	0	400
Entrepiso 1	U8	Combination	Min	X	0.001551	38	750	0	400
Entrepiso 1	U8	Combination	Min	Y	0.002621	11	0	0	400
Entrepiso 1	U9	Combination	Max	X	0.001836	38	750	0	400
Entrepiso 1	U9	Combination	Min	X	0.002386	38	750	0	400
Entrepiso 1	U9	Combination	Min	Y	0.000446	23	3485	0	400
Entrepiso 1	U10	Combination	Max	Y	0.002255	11	0	0	400
Entrepiso 1	U10	Combination	Min	X	0.000918	38	750	0	400
Entrepiso 1	U10	Combination	Min	Y	0.002551	11	0	0	400
Entrepiso 1	U11	Combination		X	0.000171	38	750	0	400
Entrepiso 1	U11	Combination		Y	0.000164	23	3485	0	400
Entrepiso 1	U12	Combination		X	0.000171	38	750	0	400
Entrepiso 1	U12	Combination		Y	0.000164	23	3485	0	400
Entrepiso 1	U13	Combination	Max	X	0.002133	38	750	0	400
Entrepiso 1	U13	Combination	Max	Y	0.000861	18	0	496	400
Entrepiso 1	U13	Combination	Min	X	0.002475	38	750	0	400
Entrepiso 1	U13	Combination	Min	Y	0.001045	11	0	0	400
Entrepiso 1	U14	Combination	Max	X	0.001106	38	750	0	400
Entrepiso 1	U14	Combination	Max	Y	0.002381	11	0	0	400
Entrepiso 1	U14	Combination	Min	X	0.001448	38	750	0	400
Entrepiso 1	U14	Combination	Min	Y	0.002565	11	0	0	400
Entrepiso 1	U15	Combination	Max	X	0.00194	38	750	0	400
Entrepiso 1	U15	Combination	Min	X	0.002282	38	750	0	400
Entrepiso 1	U15	Combination	Min	Y	0.000346	23	3485	0	400
Entrepiso 1	U16	Combination	Max	X	0.000472	38	750	0	400
Entrepiso 1	U16	Combination	Max	Y	0.002311	11	0	0	400
Entrepiso 1	U16	Combination	Min	X	0.000814	38	750	0	400
Entrepiso 1	U16	Combination	Min	Y	0.002495	11	0	0	400
Entrepiso 1	S1	Combination		X	0.00019	38	750	0	400
Entrepiso 1	S1	Combination		Y	0.000182	23	3485	0	400
Entrepiso 1	S2	Combination		X	0.000237	38	750	0	400
Entrepiso 1	S2	Combination		Y	0.000228	23	3485	0	400
Entrepiso 1	S3	Combination		X	0.00019	38	750	0	400
Entrepiso 1	S3	Combination		Y	0.000182	23	3485	0	400
Entrepiso 1	S4	Combination		X	0.000225	38	750	0	400
Entrepiso 1	S4	Combination		Y	0.000216	23	3485	0	400
Entrepiso 1	S5	Combination		X	0.00019	38	750	0	400
Entrepiso 1	S5	Combination		Y	0.000182	23	3485	0	400
Entrepiso 1	S6	Combination		X	0.00019	38	750	0	400
Entrepiso 1	S6	Combination		Y	0.000182	23	3485	0	400
Entrepiso 1	S7	Combination	Max	X	0.000704	38	750	0	400
Entrepiso 1	S7	Combination	Max	Y	0.001629	11	0	0	400
Entrepiso 1	S7	Combination	Min	X	0.001084	38	750	0	400
Entrepiso 1	S7	Combination	Min	Y	0.001833	11	0	0	400
Entrepiso 1	S8	Combination	Max	X	0.000704	38	750	0	400

Table 5.5 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X cm	Y cm	Z cm
Entrepiso 1	S8	Combination	Max	Y	0.001629	11	0	0	400
Entrepiso 1	S8	Combination	Min	X	0.001084	38	750	0	400
Entrepiso 1	S8	Combination	Min	Y	0.001833	11	0	0	400
Entrepiso 1	S9	Combination	Max	X	0.001288	38	750	0	400
Entrepiso 1	S9	Combination	Min	X	0.001668	38	750	0	400
Entrepiso 1	S9	Combination	Min	Y	0.000309	23	3485	0	400
Entrepiso 1	S10	Combination	Max	Y	0.00158	11	0	0	400
Entrepiso 1	S10	Combination	Min	X	0.00064	38	750	0	400
Entrepiso 1	S10	Combination	Min	Y	0.001784	11	0	0	400
Entrepiso 1	S11	Combination		X	0.000225	38	750	0	400
Entrepiso 1	S11	Combination		Y	0.000216	23	3485	0	400
Entrepiso 1	S12	Combination		X	0.000225	38	750	0	400
Entrepiso 1	S12	Combination		Y	0.000216	23	3485	0	400
Entrepiso 1	S13	Combination	Max	X	0.000985	38	750	0	400
Entrepiso 1	S13	Combination	Max	Y	0.000379	18	0	496	400
Entrepiso 1	S13	Combination	Min	X	0.001435	38	750	0	400
Entrepiso 1	S13	Combination	Min	Y	0.000622	11	0	0	400
Entrepiso 1	S14	Combination	Max	X	0.000445	38	750	0	400
Entrepiso 1	S14	Combination	Max	Y	0.001177	11	0	0	400
Entrepiso 1	S14	Combination	Min	X	0.000896	38	750	0	400
Entrepiso 1	S14	Combination	Min	Y	0.00142	11	0	0	400
Entrepiso 1	S15	Combination	Max	X	0.000884	38	750	0	400
Entrepiso 1	S15	Combination	Min	X	0.001334	38	750	0	400
Entrepiso 1	S15	Combination	Min	Y	0.000312	23	3485	0	400
Entrepiso 1	S16	Combination	Max	Y	0.001141	11	0	0	400
Entrepiso 1	S16	Combination	Min	X	0.000563	38	750	0	400
Entrepiso 1	S16	Combination	Min	Y	0.001383	11	0	0	400
Entrepiso 1	S17	Combination		X	1.1E-05	38	750	0	400
Entrepiso 1	S17	Combination		Y	1.1E-05	23	3485	0	400
Entrepiso 1	S18	Combination		X	1.1E-05	38	750	0	400
Entrepiso 1	S18	Combination		Y	1.1E-05	23	3485	0	400
Entrepiso 1	S19	Combination	Max	X	0.001601	38	750	0	400
Entrepiso 1	S19	Combination	Max	Y	0.000661	11	0	0	400
Entrepiso 1	S19	Combination	Min	X	0.001624	38	750	0	400
Entrepiso 1	S19	Combination	Min	Y	0.000673	18	0	496	400
Entrepiso 1	S20	Combination	Max	X	0.000882	38	750	0	400
Entrepiso 1	S20	Combination	Max	Y	0.001725	11	0	0	400
Entrepiso 1	S20	Combination	Min	X	0.000905	38	750	0	400
Entrepiso 1	S20	Combination	Min	Y	0.001737	11	0	0	400
Entrepiso 1	S21	Combination	Max	X	0.001466	38	750	0	400
Entrepiso 1	S21	Combination	Min	X	0.001489	38	750	0	400
Entrepiso 1	S22	Combination	Max	X	0.000439	38	750	0	400
Entrepiso 1	S22	Combination	Max	Y	0.001676	11	0	0	400
Entrepiso 1	S22	Combination	Min	X	0.000462	38	750	0	400
Entrepiso 1	S22	Combination	Min	Y	0.001688	11	0	0	400
Entrepiso 1	Dx	Combination	Max	X	0.00648	38	750	0	400
Entrepiso 1	Dx	Combination	Min	X	0.00703	38	750	0	400
Entrepiso 1	Dx	Combination	Min	Y	0.000891	11	0	0	400
Entrepiso 1	Dy	Combination	Max	X	0.001784	38	750	0	400

Table 5.5 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X cm	Y cm	Z cm
Entrepiso 1	Dy	Combination	Max	Y	0.007542	11	0	0	400
Entrepiso 1	Dy	Combination	Min	X	0.002333	38	750	0	400
Entrepiso 1	Dy	Combination	Min	Y	0.007837	11	0	0	400
Entrepiso 1	Dx-1	Combination	Max	X	0.006584	38	750	0	400
Entrepiso 1	Dx-1	Combination	Min	X	0.006926	38	750	0	400
Entrepiso 1	Dy-1	Combination	Max	X	0.001888	38	750	0	400
Entrepiso 1	Dy-1	Combination	Max	Y	0.007597	11	0	0	400
Entrepiso 1	Dy-1	Combination	Min	X	0.00223	38	750	0	400
Entrepiso 1	Dy-1	Combination	Min	Y	0.007782	11	0	0	400
Entrepiso 1	Dx-Um	Combination	Max	X	0.001424	38	750	0	400
Entrepiso 1	Dx-Um	Combination	Min	X	0.001973	38	750	0	400
Entrepiso 1	Dx-Um	Combination	Min	Y	0.000402	23	3485	0	400
Entrepiso 1	Dx-1 -Um	Combination	Max	X	0.001528	38	750	0	400
Entrepiso 1	Dx-1 -Um	Combination	Min	X	0.00187	38	750	0	400
Entrepiso 1	Dx-1 -Um	Combination	Min	Y	0.000301	23	3485	0	400
Entrepiso 1	Dy-Um	Combination	Max	Y	0.001747	11	0	0	400
Entrepiso 1	Dy-Um	Combination	Min	X	0.000765	38	750	0	400
Entrepiso 1	Dy-Um	Combination	Min	Y	0.002043	11	0	0	400
Entrepiso 1	Dy-1-Um	Combination	Max	Y	0.001803	11	0	0	400
Entrepiso 1	Dy-1-Um	Combination	Min	X	0.000662	38	750	0	400
Entrepiso 1	Dy-1-Um	Combination	Min	Y	0.001987	11	0	0	400

Table 5.6 - Story Max Over Avg Drifts

Story	Output Case	Case Type	Step Type	Direction	Max Drift cm	Avg Drift cm	Ratio
Cubierta	Dead	LinStatic		X	0.1427	0.1334	1.07
Cubierta	Dead	LinStatic		Y	0.1809	0.1678	1.078
Cubierta	Live	LinStatic		X	0.0338	0.0319	1.059
Cubierta	Live	LinStatic		Y	0.0433	0.0407	1.065
Cubierta	Sx-FHE	LinStatic		X	5.4084	5.26	1.028
Cubierta	Sy-FHE	LinStatic		Y	5.5669	4.9882	1.116
Cubierta	Sx-FHE+Exc	LinStatic		X	5.355	5.1567	1.038
Cubierta	Sx-FHE-Exc	LinStatic		X	5.8583	5.3633	1.092
Cubierta	Sy-FHE+Exc	LinStatic		Y	4.9126	4.8072	1.022
Cubierta	Sy-FHE-Exc	LinStatic		Y	6.4319	5.1692	1.244
Cubierta	Sx	LinRespSpec	Max	X	4.2845	4.0143	1.067
Cubierta	Sy	LinRespSpec	Max	X	1.4643	0.8657	1.691
Cubierta	Sy	LinRespSpec	Max	Y	5.1392	4.061	1.265
Cubierta	Sx-Der	LinRespSpec	Max	X	3.4276	3.2114	1.067
Cubierta	Sy-Der	LinRespSpec	Max	X	1.1715	0.6926	1.691
Cubierta	Sy-Der	LinRespSpec	Max	Y	4.1113	3.2488	1.265
Cubierta	Sx-Um	LinRespSpec	Max	X	0.8606	0.8046	1.07
Cubierta	Sy-Um	LinRespSpec	Max	X	0.2803	0.1643	1.706
Cubierta	Sy-Um	LinRespSpec	Max	Y	1.0108	0.7865	1.285
Cubierta	U1	Combination		X	0.1997	0.1867	1.07
Cubierta	U1	Combination		Y	0.2532	0.235	1.078
Cubierta	U2	Combination		X	0.2253	0.2111	1.067
Cubierta	U2	Combination		Y	0.2864	0.2665	1.075

Table 5.6 - Story Max Over Avg Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Max Drift cm	Avg Drift cm	Ratio
Cubierta	U3	Combination		X	0.205	0.192	1.068
Cubierta	U3	Combination		Y	0.2604	0.2421	1.076
Cubierta	U4	Combination		X	0.205	0.192	1.068
Cubierta	U4	Combination		Y	0.2604	0.2421	1.076
Cubierta	U5	Combination		X	0.205	0.192	1.068
Cubierta	U5	Combination		Y	0.2604	0.2421	1.076
Cubierta	U6	Combination		X	0.205	0.192	1.068
Cubierta	U6	Combination		Y	0.2604	0.2421	1.076
Cubierta	U7	Combination	Max	X	1.002	0.9014	1.112
Cubierta	U7	Combination	Max	Y	0.274	0.1758	1.559
Cubierta	U7	Combination	Min	X	1.3599	1.2771	1.065
Cubierta	U7	Combination	Min	Y	0.7948	0.6682	1.189
Cubierta	U8	Combination	Max	X	0.5085	0.3359	1.514
Cubierta	U8	Combination	Max	Y	1.0691	0.8117	1.317
Cubierta	U8	Combination	Min	X	0.8664	0.7116	1.218
Cubierta	U8	Combination	Min	Y	1.5899	1.2959	1.227
Cubierta	U9	Combination	Max	X	0.8922	0.8116	1.099
Cubierta	U9	Combination	Max	Y	0.1945	0.153	1.272
Cubierta	U9	Combination	Min	X	1.2501	1.1956	1.046
Cubierta	U9	Combination	Min	Y	0.4093	0.3481	1.176
Cubierta	U10	Combination	Max	Y	1.0244	0.7732	1.325
Cubierta	U10	Combination	Min	X	0.545	0.4043	1.348
Cubierta	U10	Combination	Min	Y	1.5452	1.2573	1.229
Cubierta	U11	Combination		X	0.1284	0.12	1.07
Cubierta	U11	Combination		Y	0.1628	0.151	1.078
Cubierta	U12	Combination		X	0.1284	0.12	1.07
Cubierta	U12	Combination		Y	0.1628	0.151	1.078
Cubierta	U13	Combination	Max	X	1.0693	0.9719	1.1
Cubierta	U13	Combination	Max	Y	0.3716	0.2683	1.385
Cubierta	U13	Combination	Min	X	1.2926	1.2067	1.071
Cubierta	U13	Combination	Min	Y	0.6972	0.5757	1.211
Cubierta	U14	Combination	Max	X	0.5757	0.4063	1.417
Cubierta	U14	Combination	Max	Y	1.1667	0.9028	1.292
Cubierta	U14	Combination	Min	X	0.7991	0.6411	1.246
Cubierta	U14	Combination	Min	Y	1.4923	1.2049	1.239
Cubierta	U15	Combination	Max	X	0.9595	0.8835	1.086
Cubierta	U15	Combination	Min	X	1.1828	1.1236	1.053
Cubierta	U15	Combination	Min	Y	0.3117	0.254	1.227
Cubierta	U16	Combination	Max	X	0.2544	0.099	2.569
Cubierta	U16	Combination	Max	Y	1.122	0.8642	1.298
Cubierta	U16	Combination	Min	X	0.4778	0.3338	1.431
Cubierta	U16	Combination	Min	Y	1.4476	1.1663	1.241
Cubierta	S1	Combination		X	0.1427	0.1334	1.07
Cubierta	S1	Combination		Y	0.1809	0.1678	1.078
Cubierta	S2	Combination		X	0.1765	0.1653	1.068
Cubierta	S2	Combination		Y	0.2242	0.2085	1.075
Cubierta	S3	Combination		X	0.1427	0.1334	1.07
Cubierta	S3	Combination		Y	0.1809	0.1678	1.078

Table 5.6 - Story Max Over Avg Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Max Drift cm	Avg Drift cm	Ratio
Cubierta	S4	Combination		X	0.168	0.1573	1.068
Cubierta	S4	Combination		Y	0.2134	0.1983	1.076
Cubierta	S5	Combination		X	0.1427	0.1334	1.07
Cubierta	S5	Combination		Y	0.1809	0.1678	1.078
Cubierta	S6	Combination		X	0.1427	0.1334	1.07
Cubierta	S6	Combination		Y	0.1809	0.1678	1.078
Cubierta	S7	Combination	Max	X	0.3571	0.2362	1.512
Cubierta	S7	Combination	Max	Y	0.7498	0.5699	1.316
Cubierta	S7	Combination	Min	X	0.6053	0.497	1.218
Cubierta	S7	Combination	Min	Y	1.1115	0.9055	1.227
Cubierta	S8	Combination	Max	X	0.3571	0.2362	1.512
Cubierta	S8	Combination	Max	Y	0.7498	0.5699	1.316
Cubierta	S8	Combination	Min	X	0.6053	0.497	1.218
Cubierta	S8	Combination	Min	Y	1.1115	0.9055	1.227
Cubierta	S9	Combination	Max	X	0.6257	0.5691	1.099
Cubierta	S9	Combination	Max	Y	0.1345	0.1055	1.274
Cubierta	S9	Combination	Min	X	0.8739	0.8359	1.045
Cubierta	S9	Combination	Min	Y	0.2851	0.2421	1.178
Cubierta	S10	Combination	Max	Y	0.7185	0.5428	1.324
Cubierta	S10	Combination	Min	X	0.3803	0.2819	1.349
Cubierta	S10	Combination	Min	Y	1.0802	0.8785	1.23
Cubierta	S11	Combination		X	0.168	0.1573	1.068
Cubierta	S11	Combination		Y	0.2134	0.1983	1.076
Cubierta	S12	Combination		X	0.168	0.1573	1.068
Cubierta	S12	Combination		Y	0.2134	0.1983	1.076
Cubierta	S13	Combination	Max	X	0.4736	0.4181	1.133
Cubierta	S13	Combination	Min	X	0.7669	0.726	1.056
Cubierta	S13	Combination	Min	Y	0.4941	0.4234	1.167
Cubierta	S14	Combination	Max	X	0.2144	0.1212	1.77
Cubierta	S14	Combination	Max	Y	0.4849	0.3551	1.365
Cubierta	S14	Combination	Min	X	0.5077	0.429	1.183
Cubierta	S14	Combination	Min	Y	0.9116	0.7518	1.213
Cubierta	S15	Combination	Max	X	0.4159	0.3698	1.125
Cubierta	S15	Combination	Max	Y	0.1729	0.1497	1.155
Cubierta	S15	Combination	Min	X	0.7092	0.6844	1.036
Cubierta	S15	Combination	Min	Y	0.2916	0.2565	1.137
Cubierta	S16	Combination	Max	X	0.1262	0.0403	3.133
Cubierta	S16	Combination	Max	Y	0.4614	0.3349	1.378
Cubierta	S16	Combination	Min	X	0.3389	0.2676	1.266
Cubierta	S16	Combination	Min	Y	0.8881	0.7316	1.214
Cubierta	S17	Combination		X	0.0086	0.008	1.07
Cubierta	S17	Combination		Y	0.0109	0.0101	1.078
Cubierta	S18	Combination		X	0.0086	0.008	1.07
Cubierta	S18	Combination		Y	0.0109	0.0101	1.078
Cubierta	S19	Combination	Max	X	0.8192	0.7547	1.086
Cubierta	S19	Combination	Max	Y	0.3632	0.2851	1.274
Cubierta	S19	Combination	Min	X	0.8341	0.7703	1.083
Cubierta	S19	Combination	Min	Y	0.3849	0.3056	1.26

Table 5.6 - Story Max Over Avg Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Max Drift cm	Avg Drift cm	Ratio
Cubierta	S20	Combination	Max	X	0.4737	0.3588	1.32
Cubierta	S20	Combination	Max	Y	0.9198	0.7276	1.264
Cubierta	S20	Combination	Min	X	0.4886	0.3744	1.305
Cubierta	S20	Combination	Min	Y	0.9415	0.7478	1.259
Cubierta	S21	Combination	Max	X	0.7423	0.6945	1.069
Cubierta	S21	Combination	Min	X	0.7572	0.7105	1.066
Cubierta	S21	Combination	Min	Y	0.1151	0.0787	1.463
Cubierta	S22	Combination	Max	X	0.2488	0.1437	1.732
Cubierta	S22	Combination	Max	Y	0.8885	0.7006	1.268
Cubierta	S22	Combination	Min	X	0.2637	0.1593	1.655
Cubierta	S22	Combination	Min	Y	0.9102	0.7207	1.263
Cubierta	Dx	Combination	Max	X	3.2486	3.0194	1.076
Cubierta	Dx	Combination	Min	X	3.6066	3.4034	1.06
Cubierta	Dx	Combination	Min	Y	0.7371	0.5627	1.31
Cubierta	Dy	Combination	Max	X	0.9925	0.5047	1.966
Cubierta	Dy	Combination	Max	Y	3.851	3.0067	1.281
Cubierta	Dy	Combination	Min	X	1.3504	0.8805	1.534
Cubierta	Dy	Combination	Min	Y	4.3717	3.4909	1.252
Cubierta	Dx-1	Combination	Max	X	3.3159	3.0914	1.073
Cubierta	Dx-1	Combination	Min	X	3.5393	3.3315	1.062
Cubierta	Dx-1	Combination	Min	Y	0.6395	0.4686	1.365
Cubierta	Dy-1	Combination	Max	X	1.0598	0.5752	1.842
Cubierta	Dy-1	Combination	Max	Y	3.9486	3.0978	1.275
Cubierta	Dy-1	Combination	Min	X	1.2832	0.81	1.584
Cubierta	Dy-1	Combination	Min	Y	4.2741	3.3998	1.257
Cubierta	Dx-Um	Combination	Max	X	0.6817	0.6126	1.113
Cubierta	Dx-Um	Combination	Max	Y	0.2084	0.1751	1.19
Cubierta	Dx-Um	Combination	Min	X	1.0396	0.9965	1.043
Cubierta	Dx-Um	Combination	Min	Y	0.3772	0.3251	1.16
Cubierta	Dx-1 -Um	Combination	Max	X	0.749	0.6845	1.094
Cubierta	Dx-1 -Um	Combination	Max	Y	0.1178	0.0819	1.439
Cubierta	Dx-1 -Um	Combination	Min	X	0.9723	0.9246	1.052
Cubierta	Dx-1 -Um	Combination	Min	Y	0.2796	0.231	1.21
Cubierta	Dy-Um	Combination	Max	Y	0.7504	0.5444	1.378
Cubierta	Dy-Um	Combination	Min	X	0.4592	0.3521	1.304
Cubierta	Dy-Um	Combination	Min	Y	1.2712	1.0286	1.236
Cubierta	Dy-1-Um	Combination	Max	Y	0.848	0.6354	1.335
Cubierta	Dy-1-Um	Combination	Min	X	0.3919	0.2817	1.392
Cubierta	Dy-1-Um	Combination	Min	Y	1.1736	0.9375	1.252
Entrepiso 1	Dead	LinStatic		X	0.076	0.0646	1.176
Entrepiso 1	Dead	LinStatic		Y	0.0728	0.0568	1.28
Entrepiso 1	Live	LinStatic		X	0.0187	0.0158	1.184
Entrepiso 1	Live	LinStatic		Y	0.0183	0.0142	1.288
Entrepiso 1	Sx-FHE	LinStatic		X	4.388	4.3367	1.012
Entrepiso 1	Sy-FHE	LinStatic		Y	4.3103	4.0514	1.064
Entrepiso 1	Sx-FHE+Exc	LinStatic		X	4.4612	4.2779	1.043
Entrepiso 1	Sx-FHE-Exc	LinStatic		X	4.6813	4.3955	1.065
Entrepiso 1	Sy-FHE+Exc	LinStatic		Y	4.1666	3.9627	1.051

Table 5.6 - Story Max Over Avg Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Max Drift cm	Avg Drift cm	Ratio
Entrepiso 1	Sy-FHE-Exc	LinStatic		Y	4.8617	4.1401	1.174
Entrepiso 1	Sx	LinRespSpec	Max	X	3.3774	3.2243	1.047
Entrepiso 1	Sy	LinRespSpec	Max	X	1.0293	0.6192	1.662
Entrepiso 1	Sy	LinRespSpec	Max	Y	3.8447	3.1818	1.208
Entrepiso 1	Sx-Der	LinRespSpec	Max	X	2.7019	2.5795	1.047
Entrepiso 1	Sy-Der	LinRespSpec	Max	X	0.8235	0.4954	1.662
Entrepiso 1	Sy-Der	LinRespSpec	Max	Y	3.0758	2.5455	1.208
Entrepiso 1	Sx-Um	LinRespSpec	Max	X	0.6795	0.6471	1.05
Entrepiso 1	Sy-Um	LinRespSpec	Max	X	0.1962	0.1174	1.671
Entrepiso 1	Sy-Um	LinRespSpec	Max	Y	0.7579	0.6167	1.229
Entrepiso 1	U1	Combination		X	0.1064	0.0905	1.176
Entrepiso 1	U1	Combination		Y	0.1019	0.0796	1.28
Entrepiso 1	U2	Combination		X	0.1211	0.1029	1.178
Entrepiso 1	U2	Combination		Y	0.1166	0.0909	1.282
Entrepiso 1	U3	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U3	Combination		Y	0.1056	0.0824	1.282
Entrepiso 1	U4	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U4	Combination		Y	0.1056	0.0824	1.282
Entrepiso 1	U5	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U5	Combination		Y	0.1056	0.0824	1.282
Entrepiso 1	U6	Combination		X	0.1099	0.0934	1.177
Entrepiso 1	U6	Combination		Y	0.1056	0.0824	1.282
Entrepiso 1	U7	Combination	Max	X	0.8117	0.7656	1.06
Entrepiso 1	U7	Combination	Max	Y	0.322	0.2359	1.365
Entrepiso 1	U7	Combination	Min	X	1.0315	0.9628	1.071
Entrepiso 1	U7	Combination	Min	Y	0.4404	0.3885	1.133
Entrepiso 1	U8	Combination	Max	X	0.4007	0.3015	1.329
Entrepiso 1	U8	Combination	Max	Y	0.9299	0.7379	1.26
Entrepiso 1	U8	Combination	Min	X	0.6205	0.4987	1.244
Entrepiso 1	U8	Combination	Min	Y	1.0482	0.9027	1.161
Entrepiso 1	U9	Combination	Max	X	0.7345	0.7127	1.031
Entrepiso 1	U9	Combination	Min	X	0.9543	0.8995	1.061
Entrepiso 1	U9	Combination	Min	Y	0.1785	0.1468	1.216
Entrepiso 1	U10	Combination	Max	Y	0.902	0.7131	1.265
Entrepiso 1	U10	Combination	Min	X	0.3672	0.2534	1.449
Entrepiso 1	U10	Combination	Min	Y	1.0204	0.8779	1.162
Entrepiso 1	U11	Combination		X	0.0684	0.0582	1.176
Entrepiso 1	U11	Combination		Y	0.0655	0.0512	1.28
Entrepiso 1	U12	Combination		X	0.0684	0.0582	1.176
Entrepiso 1	U12	Combination		Y	0.0655	0.0512	1.28
Entrepiso 1	U13	Combination	Max	X	0.8532	0.8028	1.063
Entrepiso 1	U13	Combination	Max	Y	0.3444	0.2652	1.299
Entrepiso 1	U13	Combination	Min	X	0.9899	0.9256	1.069
Entrepiso 1	U13	Combination	Min	Y	0.418	0.361	1.158
Entrepiso 1	U14	Combination	Max	X	0.4423	0.3387	1.306
Entrepiso 1	U14	Combination	Max	Y	0.9522	0.7692	1.238
Entrepiso 1	U14	Combination	Min	X	0.579	0.4615	1.255
Entrepiso 1	U14	Combination	Min	Y	1.0259	0.8715	1.177

Table 5.6 - Story Max Over Avg Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Max Drift cm	Avg Drift cm	Ratio
Entrepiso 1	U15	Combination	Max	X	0.776	0.7479	1.038
Entrepiso 1	U15	Combination	Min	X	0.9127	0.8643	1.056
Entrepiso 1	U15	Combination	Min	Y	0.1383	0.1108	1.249
Entrepiso 1	U16	Combination	Max	X	0.1889	0.0934	2.023
Entrepiso 1	U16	Combination	Max	Y	0.9244	0.7443	1.242
Entrepiso 1	U16	Combination	Min	X	0.3257	0.2162	1.507
Entrepiso 1	U16	Combination	Min	Y	0.998	0.8466	1.179
Entrepiso 1	S1	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S1	Combination		Y	0.0728	0.0568	1.28
Entrepiso 1	S2	Combination		X	0.0947	0.0804	1.177
Entrepiso 1	S2	Combination		Y	0.0911	0.071	1.282
Entrepiso 1	S3	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S3	Combination		Y	0.0728	0.0568	1.28
Entrepiso 1	S4	Combination		X	0.09	0.0765	1.177
Entrepiso 1	S4	Combination		Y	0.0865	0.0675	1.282
Entrepiso 1	S5	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S5	Combination		Y	0.0728	0.0568	1.28
Entrepiso 1	S6	Combination		X	0.076	0.0646	1.176
Entrepiso 1	S6	Combination		Y	0.0728	0.0568	1.28
Entrepiso 1	S7	Combination	Max	X	0.2815	0.2119	1.329
Entrepiso 1	S7	Combination	Max	Y	0.6514	0.5174	1.259
Entrepiso 1	S7	Combination	Min	X	0.4334	0.3483	1.244
Entrepiso 1	S7	Combination	Min	Y	0.7332	0.6311	1.162
Entrepiso 1	S8	Combination	Max	X	0.2815	0.2119	1.329
Entrepiso 1	S8	Combination	Max	Y	0.6514	0.5174	1.259
Entrepiso 1	S8	Combination	Min	X	0.4334	0.3483	1.244
Entrepiso 1	S8	Combination	Min	Y	0.7332	0.6311	1.162
Entrepiso 1	S9	Combination	Max	X	0.5151	0.4996	1.031
Entrepiso 1	S9	Combination	Min	X	0.667	0.6289	1.061
Entrepiso 1	S9	Combination	Min	Y	0.1238	0.1018	1.216
Entrepiso 1	S10	Combination	Max	Y	0.6319	0.5	1.264
Entrepiso 1	S10	Combination	Min	X	0.2561	0.1766	1.45
Entrepiso 1	S10	Combination	Min	Y	0.7137	0.6137	1.163
Entrepiso 1	S11	Combination		X	0.09	0.0765	1.177
Entrepiso 1	S11	Combination		Y	0.0865	0.0675	1.282
Entrepiso 1	S12	Combination		X	0.09	0.0765	1.177
Entrepiso 1	S12	Combination		Y	0.0865	0.0675	1.282
Entrepiso 1	S13	Combination	Max	X	0.394	0.3731	1.056
Entrepiso 1	S13	Combination	Max	Y	0.1518	0.1013	1.499
Entrepiso 1	S13	Combination	Min	X	0.574	0.5347	1.074
Entrepiso 1	S13	Combination	Min	Y	0.2487	0.2252	1.105
Entrepiso 1	S14	Combination	Max	X	0.1782	0.1294	1.377
Entrepiso 1	S14	Combination	Max	Y	0.471	0.3633	1.296
Entrepiso 1	S14	Combination	Min	X	0.3582	0.291	1.231
Entrepiso 1	S14	Combination	Min	Y	0.5679	0.4983	1.14
Entrepiso 1	S15	Combination	Max	X	0.3534	0.3469	1.019
Entrepiso 1	S15	Combination	Min	X	0.5335	0.4999	1.067
Entrepiso 1	S15	Combination	Min	Y	0.1247	0.1047	1.191

Table 5.6 - Story Max Over Avg Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Max Drift cm	Avg Drift cm	Ratio
Entrepiso 1	S16	Combination	Max	Y	0.4563	0.3503	1.303
Entrepiso 1	S16	Combination	Min	X	0.2252	0.1621	1.389
Entrepiso 1	S16	Combination	Min	Y	0.5533	0.4853	1.14
Entrepiso 1	S17	Combination		X	0.0046	0.0039	1.176
Entrepiso 1	S17	Combination		Y	0.0044	0.0034	1.28
Entrepiso 1	S18	Combination		X	0.0046	0.0039	1.176
Entrepiso 1	S18	Combination		Y	0.0044	0.0034	1.28
Entrepiso 1	S19	Combination	Max	X	0.6405	0.6009	1.066
Entrepiso 1	S19	Combination	Max	Y	0.2644	0.216	1.224
Entrepiso 1	S19	Combination	Min	X	0.6496	0.609	1.067
Entrepiso 1	S19	Combination	Min	Y	0.2693	0.2224	1.211
Entrepiso 1	S20	Combination	Max	X	0.3529	0.276	1.279
Entrepiso 1	S20	Combination	Max	Y	0.6899	0.5708	1.209
Entrepiso 1	S20	Combination	Min	X	0.362	0.2842	1.274
Entrepiso 1	S20	Combination	Min	Y	0.6948	0.5776	1.203
Entrepiso 1	S21	Combination	Max	X	0.5865	0.5604	1.047
Entrepiso 1	S21	Combination	Min	X	0.5956	0.5681	1.048
Entrepiso 1	S22	Combination	Max	X	0.1756	0.1043	1.684
Entrepiso 1	S22	Combination	Max	Y	0.6704	0.5534	1.211
Entrepiso 1	S22	Combination	Min	X	0.1847	0.1125	1.642
Entrepiso 1	S22	Combination	Min	Y	0.6753	0.5602	1.205
Entrepiso 1	Dx	Combination	Max	X	2.592	2.4861	1.043
Entrepiso 1	Dx	Combination	Min	X	2.8118	2.6728	1.052
Entrepiso 1	Dx	Combination	Min	Y	0.3563	0.2697	1.321
Entrepiso 1	Dy	Combination	Max	X	0.7136	0.3968	1.799
Entrepiso 1	Dy	Combination	Max	Y	3.0166	2.4631	1.225
Entrepiso 1	Dy	Combination	Min	X	0.9334	0.594	1.571
Entrepiso 1	Dy	Combination	Min	Y	3.135	2.6279	1.193
Entrepiso 1	Dx-1	Combination	Max	X	2.6335	2.5213	1.045
Entrepiso 1	Dx-1	Combination	Min	X	2.7703	2.6377	1.05
Entrepiso 1	Dy-1	Combination	Max	X	0.7551	0.434	1.74
Entrepiso 1	Dy-1	Combination	Max	Y	3.039	2.4943	1.218
Entrepiso 1	Dy-1	Combination	Min	X	0.8919	0.5568	1.602
Entrepiso 1	Dy-1	Combination	Min	Y	3.1126	2.5966	1.199
Entrepiso 1	Dx-Um	Combination	Max	X	0.5696	0.5538	1.029
Entrepiso 1	Dx-Um	Combination	Min	X	0.7894	0.7405	1.066
Entrepiso 1	Dx-Um	Combination	Min	Y	0.1607	0.1336	1.202
Entrepiso 1	Dx-1 -Um	Combination	Max	X	0.6111	0.5889	1.038
Entrepiso 1	Dx-1 -Um	Combination	Min	X	0.7479	0.7053	1.06
Entrepiso 1	Dx-1 -Um	Combination	Min	Y	0.1206	0.0976	1.235
Entrepiso 1	Dy-Um	Combination	Max	Y	0.6987	0.5343	1.308
Entrepiso 1	Dy-Um	Combination	Min	X	0.3062	0.216	1.417
Entrepiso 1	Dy-Um	Combination	Min	Y	0.8171	0.6991	1.169
Entrepiso 1	Dy-1-Um	Combination	Max	Y	0.7211	0.5656	1.275
Entrepiso 1	Dy-1-Um	Combination	Min	X	0.2646	0.1788	1.48
Entrepiso 1	Dy-1-Um	Combination	Min	Y	0.7947	0.6679	1.19

Table 5.7 - Story Forces (Part 1 of 2)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Cubierta	Top	Dead	LinStatic		381.5834	0	0	0	604991.452
Cubierta	Bottom	Dead	LinStatic		424.7834	0	0	0	673281.052
Cubierta	Top	Live	LinStatic		101.4828	0	0	0	162325.292
Cubierta	Bottom	Live	LinStatic		101.4828	0	0	0	162325.292
Cubierta	Top	Sx-FHE	LinStatic		0	-414.807	0	657603.544	0
Cubierta	Bottom	Sx-FHE	LinStatic		0	-414.807	0	657603.544	0
Cubierta	Top	Sy-FHE	LinStatic		0	0	-414.807	-872409.636	0
Cubierta	Bottom	Sy-FHE	LinStatic		0	0	-414.807	-872409.636	165922.799
Cubierta	Top	Lr	LinStatic		0	0	0	0	0
Cubierta	Bottom	Lr	LinStatic		0	0	0	0	0
Cubierta	Top	Sx-FHE+Exc	LinStatic		0	-414.807	0	709060.352	0
Cubierta	Bottom	Sx-FHE+Exc	LinStatic		0	-414.807	0	709060.352	0
Cubierta	Top	Sx-FHE-Exc	LinStatic		0	-414.807	0	606146.736	0
Cubierta	Bottom	Sx-FHE-Exc	LinStatic		0	-414.807	0	606146.736	0
Cubierta	Top	Sy-FHE+Exc	LinStatic		0	0	-414.807	-944689.755	0
Cubierta	Bottom	Sy-FHE+Exc	LinStatic		0	0	-414.807	-944689.755	165922.799
Cubierta	Top	Sy-FHE-Exc	LinStatic		0	0	-414.807	-800129.517	0
Cubierta	Bottom	Sy-FHE-Exc	LinStatic		0	0	-414.807	-800129.517	165922.799
Cubierta	Top	W-	LinStatic		0	0	0	0	0
Cubierta	Bottom	W-	LinStatic		0	0	0	0	0
Cubierta	Top	W+	LinStatic		0	0	0	0	0
Cubierta	Bottom	W+	LinStatic		0	0	0	0	0
Cubierta	Top	F	LinStatic		0	0	0	0	0
Cubierta	Bottom	F	LinStatic		0	0	0	0	0
Cubierta	Top	He	LinStatic		0	0	0	0	0
Cubierta	Bottom	He	LinStatic		0	0	0	0	0
Cubierta	Top	Sx	LinRespSpec	Max	0	326.0097	25.8696	481978.522	0
Cubierta	Bottom	Sx	LinRespSpec	Max	0	326.0097	25.8696	481978.522	10347.826
Cubierta	Top	Sy	LinRespSpec	Max	0	27.4121	314.864	611126.096	0
Cubierta	Bottom	Sy	LinRespSpec	Max	0	27.4121	314.864	611126.096	125945.606
Cubierta	Top	Sx-Der	LinRespSpec	Max	0	260.8076	20.6963	385582.461	0
Cubierta	Bottom	Sx-Der	LinRespSpec	Max	0	260.8076	20.6963	385582.461	8278.52
Cubierta	Top	Sy-Der	LinRespSpec	Max	0	21.9303	251.8932	488906.869	0
Cubierta	Bottom	Sy-Der	LinRespSpec	Max	0	21.9303	251.8932	488906.869	100757.285
Cubierta	Top	Sx-Um	LinRespSpec	Max	0	64.497	4.0085	95653.64	0
Cubierta	Bottom	Sx-Um	LinRespSpec	Max	0	64.497	4.0085	95653.64	1603.414
Cubierta	Top	Sy-Um	LinRespSpec	Max	0	4.3425	60.6577	115312.073	0
Cubierta	Bottom	Sy-Um	LinRespSpec	Max	0	4.3425	60.6577	115312.073	24263.089
Cubierta	Top	U1	Combination		534.2168	0	0	0	846988.033
Cubierta	Bottom	U1	Combination		594.6968	0	0	0	942593.473
Cubierta	Top	U2	Combination		620.2726	0	0	0	985710.211
Cubierta	Bottom	U2	Combination		672.1126	0	0	0	1067657.731
Cubierta	Top	U3	Combination		559.3829	0	0	0	888315.035
Cubierta	Bottom	U3	Combination		611.2229	0	0	0	970262.555
Cubierta	Top	U4	Combination		559.3829	0	0	0	888315.035
Cubierta	Bottom	U4	Combination		611.2229	0	0	0	970262.555
Cubierta	Top	U5	Combination		559.3829	0	0	0	888315.035
Cubierta	Bottom	U5	Combination		611.2229	0	0	0	970262.555
Cubierta	Top	U6	Combination		559.3829	0	0	0	888315.035

Table 5.7 - Story Forces (Part 1 of 2, continued)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Cubierta	Bottom	U6	Combination		611.2229	0	0	0	970262.555
Cubierta	Top	U7	Combination	Max	559.3829	83.5583	30.0822	166329.088	888315.035
Cubierta	Bottom	U7	Combination	Max	611.2229	83.5583	30.0822	166329.088	982295.432
Cubierta	Top	U7	Combination	Min	559.3829	-83.5583	-30.0822	-166329.088	888315.035
Cubierta	Bottom	U7	Combination	Min	611.2229	-83.5583	-30.0822	-166329.088	958229.678
Cubierta	Top	U8	Combination	Max	559.3829	31.3037	80.6562	188929.913	888315.035
Cubierta	Bottom	U8	Combination	Max	611.2229	31.3037	80.6562	188929.913	1002525.044
Cubierta	Top	U8	Combination	Min	559.3829	-31.3037	-80.6562	-188929.913	888315.035
Cubierta	Bottom	U8	Combination	Min	611.2229	-31.3037	-80.6562	-188929.913	938000.067
Cubierta	Top	U9	Combination	Max	559.3829	81.5024	6.4674	120494.631	888315.035
Cubierta	Bottom	U9	Combination	Max	611.2229	81.5024	6.4674	120494.631	972849.512
Cubierta	Top	U9	Combination	Min	559.3829	-81.5024	-6.4674	-120494.631	888315.035
Cubierta	Bottom	U9	Combination	Min	611.2229	-81.5024	-6.4674	-120494.631	967675.599
Cubierta	Top	U10	Combination	Max	559.3829	6.853	78.716	152781.524	888315.035
Cubierta	Bottom	U10	Combination	Max	611.2229	6.853	78.716	152781.524	1001748.957
Cubierta	Top	U10	Combination	Min	559.3829	-6.853	-78.716	-152781.524	888315.035
Cubierta	Bottom	U10	Combination	Min	611.2229	-6.853	-78.716	-152781.524	938776.154
Cubierta	Top	U11	Combination		343.4251	0	0	0	544492.307
Cubierta	Bottom	U11	Combination		382.3051	0	0	0	605952.947
Cubierta	Top	U12	Combination		343.4251	0	0	0	544492.307
Cubierta	Bottom	U12	Combination		382.3051	0	0	0	605952.947
Cubierta	Top	U13	Combination	Max	343.4251	83.5583	30.0822	166329.088	544492.307
Cubierta	Bottom	U13	Combination	Max	382.3051	83.5583	30.0822	166329.088	617985.824
Cubierta	Top	U13	Combination	Min	343.4251	-83.5583	-30.0822	-166329.088	544492.307
Cubierta	Bottom	U13	Combination	Min	382.3051	-83.5583	-30.0822	-166329.088	593920.07
Cubierta	Top	U14	Combination	Max	343.4251	31.3037	80.6562	188929.913	544492.307
Cubierta	Bottom	U14	Combination	Max	382.3051	31.3037	80.6562	188929.913	638215.436
Cubierta	Top	U14	Combination	Min	343.4251	-31.3037	-80.6562	-188929.913	544492.307
Cubierta	Bottom	U14	Combination	Min	382.3051	-31.3037	-80.6562	-188929.913	573690.459
Cubierta	Top	U15	Combination	Max	343.4251	81.5024	6.4674	120494.631	544492.307
Cubierta	Bottom	U15	Combination	Max	382.3051	81.5024	6.4674	120494.631	608539.904
Cubierta	Top	U15	Combination	Min	343.4251	-81.5024	-6.4674	-120494.631	544492.307
Cubierta	Bottom	U15	Combination	Min	382.3051	-81.5024	-6.4674	-120494.631	603365.991
Cubierta	Top	U16	Combination	Max	343.4251	6.853	78.716	152781.524	544492.307
Cubierta	Bottom	U16	Combination	Max	382.3051	6.853	78.716	152781.524	637439.349
Cubierta	Top	U16	Combination	Min	343.4251	-6.853	-78.716	-152781.524	544492.307
Cubierta	Bottom	U16	Combination	Min	382.3051	-6.853	-78.716	-152781.524	574466.546
Cubierta	Top	S1	Combination		381.5834	0	0	0	604991.452
Cubierta	Bottom	S1	Combination		424.7834	0	0	0	673281.052
Cubierta	Top	S2	Combination		483.0662	0	0	0	767316.745
Cubierta	Bottom	S2	Combination		526.2662	0	0	0	835606.345
Cubierta	Top	S3	Combination		381.5834	0	0	0	604991.452
Cubierta	Bottom	S3	Combination		424.7834	0	0	0	673281.052
Cubierta	Top	S4	Combination		457.6955	0	0	0	726735.422
Cubierta	Bottom	S4	Combination		500.8955	0	0	0	795025.022
Cubierta	Top	S5	Combination		381.5834	0	0	0	604991.452
Cubierta	Bottom	S5	Combination		424.7834	0	0	0	673281.052
Cubierta	Top	S6	Combination		381.5834	0	0	0	604991.452

Table 5.7 - Story Forces (Part 1 of 2, continued)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Cubierta	Bottom	S6	Combination		424.7834	0	0	0	673281.052
Cubierta	Top	S7	Combination	Max	381.5834	21.9126	56.4594	132250.939	604991.452
Cubierta	Bottom	S7	Combination	Max	424.7834	21.9126	56.4594	132250.939	695864.794
Cubierta	Top	S7	Combination	Min	381.5834	-21.9126	-56.4594	-132250.939	604991.452
Cubierta	Bottom	S7	Combination	Min	424.7834	-21.9126	-56.4594	-132250.939	650697.311
Cubierta	Top	S8	Combination	Max	381.5834	21.9126	56.4594	132250.939	604991.452
Cubierta	Bottom	S8	Combination	Max	424.7834	21.9126	56.4594	132250.939	695864.794
Cubierta	Top	S8	Combination	Min	381.5834	-21.9126	-56.4594	-132250.939	604991.452
Cubierta	Bottom	S8	Combination	Min	424.7834	-21.9126	-56.4594	-132250.939	650697.311
Cubierta	Top	S9	Combination	Max	381.5834	57.0517	4.5272	84346.241	604991.452
Cubierta	Bottom	S9	Combination	Max	424.7834	57.0517	4.5272	84346.241	675091.922
Cubierta	Top	S9	Combination	Min	381.5834	-57.0517	-4.5272	-84346.241	604991.452
Cubierta	Bottom	S9	Combination	Min	424.7834	-57.0517	-4.5272	-84346.241	671470.183
Cubierta	Top	S10	Combination	Max	381.5834	4.7971	55.1012	106947.067	604991.452
Cubierta	Bottom	S10	Combination	Max	424.7834	4.7971	55.1012	106947.067	695321.533
Cubierta	Top	S10	Combination	Min	381.5834	-4.7971	-55.1012	-106947.067	604991.452
Cubierta	Bottom	S10	Combination	Min	424.7834	-4.7971	-55.1012	-106947.067	651240.571
Cubierta	Top	S11	Combination		457.6955	0	0	0	726735.422
Cubierta	Bottom	S11	Combination		500.8955	0	0	0	795025.022
Cubierta	Top	S12	Combination		457.6955	0	0	0	726735.422
Cubierta	Bottom	S12	Combination		500.8955	0	0	0	795025.022
Cubierta	Top	S13	Combination	Max	457.6955	43.8851	15.8023	87362.148	726735.422
Cubierta	Bottom	S13	Combination	Max	500.8955	43.8851	15.8023	87362.148	801345.948
Cubierta	Top	S13	Combination	Min	457.6955	-43.8851	-15.8023	-87362.148	726735.422
Cubierta	Bottom	S13	Combination	Min	500.8955	-43.8851	-15.8023	-87362.148	788704.095
Cubierta	Top	S14	Combination	Max	457.6955	16.444	42.3609	99230.81	726735.422
Cubierta	Bottom	S14	Combination	Max	500.8955	16.444	42.3609	99230.81	811969.384
Cubierta	Top	S14	Combination	Min	457.6955	-16.444	-42.3609	-99230.81	726735.422
Cubierta	Bottom	S14	Combination	Min	500.8955	-16.444	-42.3609	-99230.81	778080.659
Cubierta	Top	S15	Combination	Max	457.6955	42.8051	3.3967	63283.78	726735.422
Cubierta	Bottom	S15	Combination	Max	500.8955	42.8051	3.3967	63283.78	796383.691
Cubierta	Top	S15	Combination	Min	457.6955	-42.8051	-3.3967	-63283.78	726735.422
Cubierta	Bottom	S15	Combination	Min	500.8955	-42.8051	-3.3967	-63283.78	793666.352
Cubierta	Top	S16	Combination	Max	457.6955	3.5992	41.3416	80240.856	726735.422
Cubierta	Bottom	S16	Combination	Max	500.8955	3.5992	41.3416	80240.856	811561.68
Cubierta	Top	S16	Combination	Min	457.6955	-3.5992	-41.3416	-80240.856	726735.422
Cubierta	Bottom	S16	Combination	Min	500.8955	-3.5992	-41.3416	-80240.856	778488.364
Cubierta	Top	S17	Combination		22.895	0	0	0	36299.487
Cubierta	Bottom	S17	Combination		25.487	0	0	0	40396.863
Cubierta	Top	S18	Combination		22.895	0	0	0	36299.487
Cubierta	Bottom	S18	Combination		25.487	0	0	0	40396.863
Cubierta	Top	S19	Combination	Max	22.895	58.4908	21.0575	116430.361	36299.487
Cubierta	Bottom	S19	Combination	Max	25.487	58.4908	21.0575	116430.361	48819.877
Cubierta	Top	S19	Combination	Min	22.895	-58.4908	-21.0575	-116430.361	36299.487
Cubierta	Bottom	S19	Combination	Min	25.487	-58.4908	-21.0575	-116430.361	31973.849
Cubierta	Top	S20	Combination	Max	22.895	21.9126	56.4594	132250.939	36299.487
Cubierta	Bottom	S20	Combination	Max	25.487	21.9126	56.4594	132250.939	62980.605
Cubierta	Top	S20	Combination	Min	22.895	-21.9126	-56.4594	-132250.939	36299.487

Table 5.7 - Story Forces (Part 1 of 2, continued)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Cubierta	Bottom	S20	Combination	Min	25.487	-21.9126	-56.4594	-132250.939	17813.121
Cubierta	Top	S21	Combination	Max	22.895	57.0517	4.5272	84346.241	36299.487
Cubierta	Bottom	S21	Combination	Max	25.487	57.0517	4.5272	84346.241	42207.733
Cubierta	Top	S21	Combination	Min	22.895	-57.0517	-4.5272	-84346.241	36299.487
Cubierta	Bottom	S21	Combination	Min	25.487	-57.0517	-4.5272	-84346.241	38585.994
Cubierta	Top	S22	Combination	Max	22.895	4.7971	55.1012	106947.067	36299.487
Cubierta	Bottom	S22	Combination	Max	25.487	4.7971	55.1012	106947.067	62437.344
Cubierta	Top	S22	Combination	Min	22.895	-4.7971	-55.1012	-106947.067	36299.487
Cubierta	Bottom	S22	Combination	Min	25.487	-4.7971	-55.1012	-106947.067	18356.382
Cubierta	Top	Dx	Combination	Max	559.3829	260.8076	20.6963	385582.461	888315.035
Cubierta	Bottom	Dx	Combination	Max	611.2229	260.8076	20.6963	385582.461	978541.076
Cubierta	Top	Dx	Combination	Min	559.3829	-260.8076	-20.6963	-385582.461	888315.035
Cubierta	Bottom	Dx	Combination	Min	611.2229	-260.8076	-20.6963	-385582.461	961984.035
Cubierta	Top	Dy	Combination	Max	559.3829	21.9303	251.8932	488906.869	888315.035
Cubierta	Bottom	Dy	Combination	Max	611.2229	21.9303	251.8932	488906.869	1071019.84
Cubierta	Top	Dy	Combination	Min	559.3829	-21.9303	-251.8932	-488906.869	888315.035
Cubierta	Bottom	Dy	Combination	Min	611.2229	-21.9303	-251.8932	-488906.869	869505.27
Cubierta	Top	Dx-1	Combination	Max	343.4251	260.8076	20.6963	385582.461	544492.307
Cubierta	Bottom	Dx-1	Combination	Max	382.3051	260.8076	20.6963	385582.461	614231.467
Cubierta	Top	Dx-1	Combination	Min	343.4251	-260.8076	-20.6963	-385582.461	544492.307
Cubierta	Bottom	Dx-1	Combination	Min	382.3051	-260.8076	-20.6963	-385582.461	597674.427
Cubierta	Top	Dy-1	Combination	Max	343.4251	21.9303	251.8932	488906.869	544492.307
Cubierta	Bottom	Dy-1	Combination	Max	382.3051	21.9303	251.8932	488906.869	706710.232
Cubierta	Top	Dy-1	Combination	Min	343.4251	-21.9303	-251.8932	-488906.869	544492.307
Cubierta	Bottom	Dy-1	Combination	Min	382.3051	-21.9303	-251.8932	-488906.869	505195.662
Cubierta	Top	Dx-Um	Combination	Max	559.3829	64.497	4.0085	95653.64	888315.035
Cubierta	Bottom	Dx-Um	Combination	Max	611.2229	64.497	4.0085	95653.64	971865.97
Cubierta	Top	Dx-Um	Combination	Min	559.3829	-64.497	-4.0085	-95653.64	888315.035
Cubierta	Bottom	Dx-Um	Combination	Min	611.2229	-64.497	-4.0085	-95653.64	968659.141
Cubierta	Top	Dx-1 -Um	Combination	Max	343.4251	64.497	4.0085	95653.64	544492.307
Cubierta	Bottom	Dx-1 -Um	Combination	Max	382.3051	64.497	4.0085	95653.64	607556.362
Cubierta	Top	Dx-1 -Um	Combination	Min	343.4251	-64.497	-4.0085	-95653.64	544492.307
Cubierta	Bottom	Dx-1 -Um	Combination	Min	382.3051	-64.497	-4.0085	-95653.64	604349.533
Cubierta	Top	Dy-Um	Combination	Max	559.3829	4.3425	60.6577	115312.073	888315.035
Cubierta	Bottom	Dy-Um	Combination	Max	611.2229	4.3425	60.6577	115312.073	994525.644
Cubierta	Top	Dy-Um	Combination	Min	559.3829	-4.3425	-60.6577	-115312.073	888315.035
Cubierta	Bottom	Dy-Um	Combination	Min	611.2229	-4.3425	-60.6577	-115312.073	945999.466
Cubierta	Top	Dy-1-Um	Combination	Max	343.4251	4.3425	60.6577	115312.073	544492.307
Cubierta	Bottom	Dy-1-Um	Combination	Max	382.3051	4.3425	60.6577	115312.073	630216.036
Cubierta	Top	Dy-1-Um	Combination	Min	343.4251	-4.3425	-60.6577	-115312.073	544492.307
Cubierta	Bottom	Dy-1-Um	Combination	Min	382.3051	-4.3425	-60.6577	-115312.073	581689.858
Entrepiso 1	Top	Dead	LinStatic		1074.6747	0	0	0	1592039.569
Entrepiso 1	Bottom	Dead	LinStatic		1123.7325	0	0	0	1663818.6
Entrepiso 1	Top	Live	LinStatic		279.0291	0	0	0	413378.046
Entrepiso 1	Bottom	Live	LinStatic		279.0291	0	0	0	413378.046
Entrepiso 1	Top	Sx-FHE	LinStatic		0	-772.8501	0	1166273.604	0
Entrepiso 1	Bottom	Sx-FHE	LinStatic		0	-772.8501	0	1166273.604	0
Entrepiso 1	Top	Sy-FHE	LinStatic		0	0	-772.8501	-1520674.142	165922.799

Table 5.7 - Story Forces (Part 1 of 2, continued)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Entrepiso 1	Bottom	Sy-FHE	LinStatic		0	0	-772.8501	-1520674.142	475062.819
Entrepiso 1	Top	Lr	LinStatic		0	0	0	0	0
Entrepiso 1	Bottom	Lr	LinStatic		0	0	0	0	0
Entrepiso 1	Top	Sx-FHE+Exc	LinStatic		0	-772.8501	0	1236581.047	0
Entrepiso 1	Bottom	Sx-FHE+Exc	LinStatic		0	-772.8501	0	1236581.047	0
Entrepiso 1	Top	Sx-FHE-Exc	LinStatic		0	-772.8501	0	1095966.161	0
Entrepiso 1	Bottom	Sx-FHE-Exc	LinStatic		0	-772.8501	0	1095966.161	0
Entrepiso 1	Top	Sy-FHE+Exc	LinStatic		0	0	-772.8501	-1619433.287	165922.799
Entrepiso 1	Bottom	Sy-FHE+Exc	LinStatic		0	0	-772.8501	-1619433.287	475062.819
Entrepiso 1	Top	Sy-FHE-Exc	LinStatic		0	0	-772.8501	-1421914.997	165922.799
Entrepiso 1	Bottom	Sy-FHE-Exc	LinStatic		0	0	-772.8501	-1421914.997	475062.819
Entrepiso 1	Top	W-	LinStatic		0	0	0	0	0
Entrepiso 1	Bottom	W-	LinStatic		0	0	0	0	0
Entrepiso 1	Top	W+	LinStatic		0	0	0	0	0
Entrepiso 1	Bottom	W+	LinStatic		0	0	0	0	0
Entrepiso 1	Top	F	LinStatic		0	0	0	0	0
Entrepiso 1	Bottom	F	LinStatic		0	0	0	0	0
Entrepiso 1	Top	He	LinStatic		0	0	0	0	0
Entrepiso 1	Bottom	He	LinStatic		0	0	0	0	0
Entrepiso 1	Top	Sx	LinRespSpec	Max	0	570.8822	34.6459	814974.924	10347.826
Entrepiso 1	Bottom	Sx	LinRespSpec	Max	0	570.8822	34.6459	814974.924	12045.804
Entrepiso 1	Top	Sy	LinRespSpec	Max	0	34.6459	557.5864	1015203.07	125945.606
Entrepiso 1	Bottom	Sy	LinRespSpec	Max	0	34.6459	557.5864	1015203.07	342956.84
Entrepiso 1	Top	Sx-Der	LinRespSpec	Max	0	456.705	27.7175	651978.841	8278.52
Entrepiso 1	Bottom	Sx-Der	LinRespSpec	Max	0	456.705	27.7175	651978.841	9636.752
Entrepiso 1	Top	Sy-Der	LinRespSpec	Max	0	27.7175	446.0722	812171.76	100757.285
Entrepiso 1	Bottom	Sy-Der	LinRespSpec	Max	0	27.7175	446.0722	812171.76	274367.198
Entrepiso 1	Top	Sx-Um	LinRespSpec	Max	0	113.7897	5.5938	162504.773	1603.414
Entrepiso 1	Bottom	Sx-Um	LinRespSpec	Max	0	113.7897	5.5938	162504.773	2303.673
Entrepiso 1	Top	Sy-Um	LinRespSpec	Max	0	5.5938	108.0837	192730.63	24263.089
Entrepiso 1	Bottom	Sy-Um	LinRespSpec	Max	0	5.5938	108.0837	192730.63	66807.965
Entrepiso 1	Top	U1	Combination		1504.5446	0	0	0	2228855.397
Entrepiso 1	Bottom	U1	Combination		1573.2255	0	0	0	2329346.04
Entrepiso 1	Top	U2	Combination		1736.0562	0	0	0	2571852.356
Entrepiso 1	Bottom	U2	Combination		1794.9255	0	0	0	2657987.193
Entrepiso 1	Top	U3	Combination		1568.6388	0	0	0	2323825.529
Entrepiso 1	Bottom	U3	Combination		1627.5081	0	0	0	2409960.366
Entrepiso 1	Top	U4	Combination		1568.6388	0	0	0	2323825.529
Entrepiso 1	Bottom	U4	Combination		1627.5081	0	0	0	2409960.366
Entrepiso 1	Top	U5	Combination		1568.6388	0	0	0	2323825.529
Entrepiso 1	Bottom	U5	Combination		1627.5081	0	0	0	2409960.366
Entrepiso 1	Top	U6	Combination		1568.6388	0	0	0	2323825.529
Entrepiso 1	Bottom	U6	Combination		1627.5081	0	0	0	2409960.366
Entrepiso 1	Top	U7	Combination	Max	1568.6388	145.319	50.4805	279883.961	2335858.406
Entrepiso 1	Bottom	U7	Combination	Max	1627.5081	145.319	50.4805	279883.961	2438693.58
Entrepiso 1	Top	U7	Combination	Min	1568.6388	-145.319	-50.4805	-279883.961	2311792.652
Entrepiso 1	Bottom	U7	Combination	Min	1627.5081	-145.319	-50.4805	-279883.961	2381227.152
Entrepiso 1	Top	U8	Combination	Max	1568.6388	51.4776	141.995	314923.887	2356088.017

Table 5.7 - Story Forces (Part 1 of 2, continued)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Entrepiso 1	Bottom	U8	Combination	Max	1627.5081	51.4776	141.995	314923.887	2496603.011
Entrepiso 1	Top	U8	Combination	Min	1568.6388	-51.4776	-141.995	-314923.887	2291563.04
Entrepiso 1	Bottom	U8	Combination	Min	1627.5081	-51.4776	-141.995	-314923.887	2323317.72
Entrepiso 1	Top	U9	Combination	Max	1568.6388	142.7206	8.6615	203743.731	2326412.485
Entrepiso 1	Bottom	U9	Combination	Max	1627.5081	142.7206	8.6615	203743.731	2412971.817
Entrepiso 1	Top	U9	Combination	Min	1568.6388	-142.7206	-8.6615	-203743.731	2321238.572
Entrepiso 1	Bottom	U9	Combination	Min	1627.5081	-142.7206	-8.6615	-203743.731	2406948.915
Entrepiso 1	Top	U10	Combination	Max	1568.6388	8.6615	139.3966	253800.768	2355311.93
Entrepiso 1	Bottom	U10	Combination	Max	1627.5081	8.6615	139.3966	253800.768	2495699.576
Entrepiso 1	Top	U10	Combination	Min	1568.6388	-8.6615	-139.3966	-253800.768	2292339.127
Entrepiso 1	Bottom	U10	Combination	Min	1627.5081	-8.6615	-139.3966	-253800.768	2324221.156
Entrepiso 1	Top	U11	Combination		967.2072	0	0	0	1432835.612
Entrepiso 1	Bottom	U11	Combination		1011.3592	0	0	0	1497436.74
Entrepiso 1	Top	U12	Combination		967.2072	0	0	0	1432835.612
Entrepiso 1	Bottom	U12	Combination		1011.3592	0	0	0	1497436.74
Entrepiso 1	Top	U13	Combination	Max	967.2072	145.319	50.4805	279883.961	1444868.489
Entrepiso 1	Bottom	U13	Combination	Max	1011.3592	145.319	50.4805	279883.961	1526169.954
Entrepiso 1	Top	U13	Combination	Min	967.2072	-145.319	-50.4805	-279883.961	1420802.735
Entrepiso 1	Bottom	U13	Combination	Min	1011.3592	-145.319	-50.4805	-279883.961	1468703.526
Entrepiso 1	Top	U14	Combination	Max	967.2072	51.4776	141.995	314923.887	1465098.101
Entrepiso 1	Bottom	U14	Combination	Max	1011.3592	51.4776	141.995	314923.887	1584079.385
Entrepiso 1	Top	U14	Combination	Min	967.2072	-51.4776	-141.995	-314923.887	1400573.124
Entrepiso 1	Bottom	U14	Combination	Min	1011.3592	-51.4776	-141.995	-314923.887	1410794.095
Entrepiso 1	Top	U15	Combination	Max	967.2072	142.7206	8.6615	203743.731	1435422.569
Entrepiso 1	Bottom	U15	Combination	Max	1011.3592	142.7206	8.6615	203743.731	1500448.191
Entrepiso 1	Top	U15	Combination	Min	967.2072	-142.7206	-8.6615	-203743.731	1430248.656
Entrepiso 1	Bottom	U15	Combination	Min	1011.3592	-142.7206	-8.6615	-203743.731	1494425.289
Entrepiso 1	Top	U16	Combination	Max	967.2072	8.6615	139.3966	253800.768	1464322.014
Entrepiso 1	Bottom	U16	Combination	Max	1011.3592	8.6615	139.3966	253800.768	1583175.95
Entrepiso 1	Top	U16	Combination	Min	967.2072	-8.6615	-139.3966	-253800.768	1401349.211
Entrepiso 1	Bottom	U16	Combination	Min	1011.3592	-8.6615	-139.3966	-253800.768	1411697.53
Entrepiso 1	Top	S1	Combination		1074.6747	0	0	0	1592039.569
Entrepiso 1	Bottom	S1	Combination		1123.7325	0	0	0	1663818.6
Entrepiso 1	Top	S2	Combination		1353.7038	0	0	0	2005417.615
Entrepiso 1	Bottom	S2	Combination		1402.7616	0	0	0	2077196.646
Entrepiso 1	Top	S3	Combination		1074.6747	0	0	0	1592039.569
Entrepiso 1	Bottom	S3	Combination		1123.7325	0	0	0	1663818.6
Entrepiso 1	Top	S4	Combination		1283.9465	0	0	0	1902073.104
Entrepiso 1	Bottom	S4	Combination		1333.0043	0	0	0	1973852.134
Entrepiso 1	Top	S5	Combination		1074.6747	0	0	0	1592039.569
Entrepiso 1	Bottom	S5	Combination		1123.7325	0	0	0	1663818.6
Entrepiso 1	Top	S6	Combination		1074.6747	0	0	0	1592039.569
Entrepiso 1	Bottom	S6	Combination		1123.7325	0	0	0	1663818.6
Entrepiso 1	Top	S7	Combination	Max	1074.6747	36.0343	99.3965	220446.721	1614623.311
Entrepiso 1	Bottom	S7	Combination	Max	1123.7325	36.0343	99.3965	220446.721	1724468.452
Entrepiso 1	Top	S7	Combination	Min	1074.6747	-36.0343	-99.3965	-220446.721	1569455.827
Entrepiso 1	Bottom	S7	Combination	Min	1123.7325	-36.0343	-99.3965	-220446.721	1603168.748
Entrepiso 1	Top	S8	Combination	Max	1074.6747	36.0343	99.3965	220446.721	1614623.311

Table 5.7 - Story Forces (Part 1 of 2, continued)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Entrepiso 1	Bottom	S8	Combination	Max	1123.7325	36.0343	99.3965	220446.721	1724468.452
Entrepiso 1	Top	S8	Combination	Min	1074.6747	-36.0343	-99.3965	-220446.721	1569455.827
Entrepiso 1	Bottom	S8	Combination	Min	1123.7325	-36.0343	-99.3965	-220446.721	1603168.748
Entrepiso 1	Top	S9	Combination	Max	1074.6747	99.9044	6.063	142620.612	1593850.439
Entrepiso 1	Bottom	S9	Combination	Max	1123.7325	99.9044	6.063	142620.612	1665926.616
Entrepiso 1	Top	S9	Combination	Min	1074.6747	-99.9044	-6.063	-142620.612	1590228.7
Entrepiso 1	Bottom	S9	Combination	Min	1123.7325	-99.9044	-6.063	-142620.612	1661710.584
Entrepiso 1	Top	S10	Combination	Max	1074.6747	6.063	97.5776	177660.537	1614080.05
Entrepiso 1	Bottom	S10	Combination	Max	1123.7325	6.063	97.5776	177660.537	1723836.047
Entrepiso 1	Top	S10	Combination	Min	1074.6747	-6.063	-97.5776	-177660.537	1569999.088
Entrepiso 1	Bottom	S10	Combination	Min	1123.7325	-6.063	-97.5776	-177660.537	1603801.153
Entrepiso 1	Top	S11	Combination		1283.9465	0	0	0	1902073.104
Entrepiso 1	Bottom	S11	Combination		1333.0043	0	0	0	1973852.134
Entrepiso 1	Top	S12	Combination		1283.9465	0	0	0	1902073.104
Entrepiso 1	Bottom	S12	Combination		1333.0043	0	0	0	1973852.134
Entrepiso 1	Top	S13	Combination	Max	1283.9465	76.3219	26.5179	147005.208	1908394.03
Entrepiso 1	Bottom	S13	Combination	Max	1333.0043	76.3219	26.5179	147005.208	1988946.248
Entrepiso 1	Top	S13	Combination	Min	1283.9465	-76.3219	-26.5179	-147005.208	1895752.177
Entrepiso 1	Bottom	S13	Combination	Min	1333.0043	-76.3219	-26.5179	-147005.208	1958758.021
Entrepiso 1	Top	S14	Combination	Max	1283.9465	27.0418	74.5761	165406.175	1919017.466
Entrepiso 1	Bottom	S14	Combination	Max	1333.0043	27.0418	74.5761	165406.175	2019356.972
Entrepiso 1	Top	S14	Combination	Min	1283.9465	-27.0418	-74.5761	-165406.175	1885128.741
Entrepiso 1	Bottom	S14	Combination	Min	1333.0043	-27.0418	-74.5761	-165406.175	1928347.296
Entrepiso 1	Top	S15	Combination	Max	1283.9465	74.9568	4.549	107006.207	1903431.773
Entrepiso 1	Bottom	S15	Combination	Max	1333.0043	74.9568	4.549	107006.207	1975433.748
Entrepiso 1	Top	S15	Combination	Min	1283.9465	-74.9568	-4.549	-107006.207	1900714.434
Entrepiso 1	Bottom	S15	Combination	Min	1333.0043	-74.9568	-4.549	-107006.207	1972270.52
Entrepiso 1	Top	S16	Combination	Max	1283.9465	4.549	73.2111	133296.163	1918609.762
Entrepiso 1	Bottom	S16	Combination	Max	1333.0043	4.549	73.2111	133296.163	2018882.367
Entrepiso 1	Top	S16	Combination	Min	1283.9465	-4.549	-73.2111	-133296.163	1885536.445
Entrepiso 1	Bottom	S16	Combination	Min	1333.0043	-4.549	-73.2111	-133296.163	1928821.901
Entrepiso 1	Top	S17	Combination		64.4805	0	0	0	95522.374
Entrepiso 1	Bottom	S17	Combination		67.4239	0	0	0	99829.116
Entrepiso 1	Top	S18	Combination		64.4805	0	0	0	95522.374
Entrepiso 1	Bottom	S18	Combination		67.4239	0	0	0	99829.116
Entrepiso 1	Top	S19	Combination	Max	64.4805	101.7233	35.3363	195918.773	103945.388
Entrepiso 1	Bottom	S19	Combination	Max	67.4239	101.7233	35.3363	195918.773	119942.366
Entrepiso 1	Top	S19	Combination	Min	64.4805	-101.7233	-35.3363	-195918.773	87099.36
Entrepiso 1	Bottom	S19	Combination	Min	67.4239	-101.7233	-35.3363	-195918.773	79715.866
Entrepiso 1	Top	S20	Combination	Max	64.4805	36.0343	99.3965	220446.721	118106.116
Entrepiso 1	Bottom	S20	Combination	Max	67.4239	36.0343	99.3965	220446.721	160478.968
Entrepiso 1	Top	S20	Combination	Min	64.4805	-36.0343	-99.3965	-220446.721	72938.632
Entrepiso 1	Bottom	S20	Combination	Min	67.4239	-36.0343	-99.3965	-220446.721	39179.264
Entrepiso 1	Top	S21	Combination	Max	64.4805	99.9044	6.063	142620.612	97333.244
Entrepiso 1	Bottom	S21	Combination	Max	67.4239	99.9044	6.063	142620.612	101937.132
Entrepiso 1	Top	S21	Combination	Min	64.4805	-99.9044	-6.063	-142620.612	93711.505
Entrepiso 1	Bottom	S21	Combination	Min	67.4239	-99.9044	-6.063	-142620.612	97721.1
Entrepiso 1	Top	S22	Combination	Max	64.4805	6.063	97.5776	177660.537	117562.855

Table 5.7 - Story Forces (Part 1 of 2, continued)

Story	Location	Output Case	Case Type	Step Type	P tonf	VX tonf	VY tonf	T tonf-cm	MX tonf-cm
Entrepiso 1	Bottom	S22	Combination	Max	67.4239	6.063	97.5776	177660.537	159846.563
Entrepiso 1	Top	S22	Combination	Min	64.4805	-6.063	-97.5776	-177660.537	73481.893
Entrepiso 1	Bottom	S22	Combination	Min	67.4239	-6.063	-97.5776	-177660.537	39811.669
Entrepiso 1	Top	Dx	Combination	Max	1568.6388	456.705	27.7175	651978.841	2332104.049
Entrepiso 1	Bottom	Dx	Combination	Max	1627.5081	456.705	27.7175	651978.841	2419597.118
Entrepiso 1	Top	Dx	Combination	Min	1568.6388	-456.705	-27.7175	-651978.841	2315547.009
Entrepiso 1	Bottom	Dx	Combination	Min	1627.5081	-456.705	-27.7175	-651978.841	2400323.614
Entrepiso 1	Top	Dy	Combination	Max	1568.6388	27.7175	446.0722	812171.76	2424582.814
Entrepiso 1	Bottom	Dy	Combination	Max	1627.5081	27.7175	446.0722	812171.76	2684327.563
Entrepiso 1	Top	Dy	Combination	Min	1568.6388	-27.7175	-446.0722	-812171.76	2223068.244
Entrepiso 1	Bottom	Dy	Combination	Min	1627.5081	-27.7175	-446.0722	-812171.76	2135593.168
Entrepiso 1	Top	Dx-1	Combination	Max	967.2072	456.705	27.7175	651978.841	1441114.133
Entrepiso 1	Bottom	Dx-1	Combination	Max	1011.3592	456.705	27.7175	651978.841	1507073.492
Entrepiso 1	Top	Dx-1	Combination	Min	967.2072	-456.705	-27.7175	-651978.841	1424557.092
Entrepiso 1	Bottom	Dx-1	Combination	Min	1011.3592	-456.705	-27.7175	-651978.841	1487799.988
Entrepiso 1	Top	Dy-1	Combination	Max	967.2072	27.7175	446.0722	812171.76	1533592.897
Entrepiso 1	Bottom	Dy-1	Combination	Max	1011.3592	27.7175	446.0722	812171.76	1771803.938
Entrepiso 1	Top	Dy-1	Combination	Min	967.2072	-27.7175	-446.0722	-812171.76	1332078.327
Entrepiso 1	Bottom	Dy-1	Combination	Min	1011.3592	-27.7175	-446.0722	-812171.76	1223069.542
Entrepiso 1	Top	Dx-Um	Combination	Max	1568.6388	113.7897	5.5938	162504.773	2325428.943
Entrepiso 1	Bottom	Dx-Um	Combination	Max	1627.5081	113.7897	5.5938	162504.773	2412264.039
Entrepiso 1	Top	Dx-Um	Combination	Min	1568.6388	-113.7897	-5.5938	-162504.773	2322222.114
Entrepiso 1	Bottom	Dx-Um	Combination	Min	1627.5081	-113.7897	-5.5938	-162504.773	2407656.693
Entrepiso 1	Top	Dx-1 -Um	Combination	Max	967.2072	113.7897	5.5938	162504.773	1434439.027
Entrepiso 1	Bottom	Dx-1 -Um	Combination	Max	1011.3592	113.7897	5.5938	162504.773	1499740.413
Entrepiso 1	Top	Dx-1 -Um	Combination	Min	967.2072	-113.7897	-5.5938	-162504.773	1431232.198
Entrepiso 1	Bottom	Dx-1 -Um	Combination	Min	1011.3592	-113.7897	-5.5938	-162504.773	1495133.067
Entrepiso 1	Top	Dy-Um	Combination	Max	1568.6388	5.5938	108.0837	192730.63	2348088.618
Entrepiso 1	Bottom	Dy-Um	Combination	Max	1627.5081	5.5938	108.0837	192730.63	2476768.331
Entrepiso 1	Top	Dy-Um	Combination	Min	1568.6388	-5.5938	-108.0837	-192730.63	2299562.44
Entrepiso 1	Bottom	Dy-Um	Combination	Min	1627.5081	-5.5938	-108.0837	-192730.63	2343152.401
Entrepiso 1	Top	Dy-1-Um	Combination	Max	967.2072	5.5938	108.0837	192730.63	1457098.701
Entrepiso 1	Bottom	Dy-1-Um	Combination	Max	1011.3592	5.5938	108.0837	192730.63	1564244.705
Entrepiso 1	Top	Dy-1-Um	Combination	Min	967.2072	-5.5938	-108.0837	-192730.63	1408572.523
Entrepiso 1	Bottom	Dy-1-Um	Combination	Min	1011.3592	-5.5938	-108.0837	-192730.63	1430628.775

Table 5.7 - Story Forces (Part 2 of 2)

Story	Location	MY tonf-cm
Cubierta	Top	-801119.965
Cubierta	Bottom	-894731.965
Cubierta	Top	-213984.087
Cubierta	Bottom	-213984.087
Cubierta	Top	0
Cubierta	Bottom	-165922.799
Cubierta	Top	0
Cubierta	Bottom	0
Cubierta	Top	0
Cubierta	Bottom	0

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Cubierta	Top	0
Cubierta	Bottom	-165922.799
Cubierta	Top	0
Cubierta	Bottom	-165922.799
Cubierta	Top	0
Cubierta	Bottom	0
Cubierta	Top	0
Cubierta	Bottom	0
Cubierta	Top	0
Cubierta	Bottom	0
Cubierta	Top	0
Cubierta	Bottom	0
Cubierta	Top	0
Cubierta	Bottom	0
Cubierta	Top	0
Cubierta	Bottom	0
Cubierta	Top	0
Cubierta	Bottom	130403.865
Cubierta	Top	0
Cubierta	Bottom	10964.828
Cubierta	Top	0
Cubierta	Bottom	104323.048
Cubierta	Top	0
Cubierta	Bottom	8772.125
Cubierta	Top	0
Cubierta	Bottom	25798.817
Cubierta	Top	0
Cubierta	Bottom	1736.999
Cubierta	Top	-1121567.952
Cubierta	Bottom	-1252624.752
Cubierta	Top	-1303718.498
Cubierta	Bottom	-1416052.898
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1287662.446
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1287662.446
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1287662.446
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1287662.446
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1254239.117
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1321085.774
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1275140.949
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1300183.943
Cubierta	Top	-1175328.046

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Cubierta	Bottom	-1255061.479
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1320263.412
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1284921.239
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1290403.653
Cubierta	Top	-721007.969
Cubierta	Bottom	-805258.769
Cubierta	Top	-721007.969
Cubierta	Bottom	-805258.769
Cubierta	Top	-721007.969
Cubierta	Bottom	-771835.441
Cubierta	Top	-721007.969
Cubierta	Bottom	-838682.097
Cubierta	Top	-721007.969
Cubierta	Bottom	-792737.272
Cubierta	Top	-721007.969
Cubierta	Bottom	-817780.266
Cubierta	Top	-721007.969
Cubierta	Bottom	-772657.803
Cubierta	Top	-721007.969
Cubierta	Bottom	-837859.735
Cubierta	Top	-721007.969
Cubierta	Bottom	-802517.562
Cubierta	Top	-721007.969
Cubierta	Bottom	-807999.976
Cubierta	Top	-801119.965
Cubierta	Bottom	-894731.965
Cubierta	Top	-1015104.052
Cubierta	Bottom	-1108716.052
Cubierta	Top	-801119.965
Cubierta	Bottom	-894731.965
Cubierta	Top	-961608.031
Cubierta	Bottom	-1055220.031
Cubierta	Top	-801119.965
Cubierta	Bottom	-894731.965
Cubierta	Top	-801119.965
Cubierta	Bottom	-894731.965
Cubierta	Top	-801119.965
Cubierta	Bottom	-885966.918
Cubierta	Top	-801119.965
Cubierta	Bottom	-903497.013
Cubierta	Top	-801119.965
Cubierta	Bottom	-885966.918
Cubierta	Top	-801119.965
Cubierta	Bottom	-903497.013
Cubierta	Top	-801119.965
Cubierta	Bottom	-871911.289

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Cubierta	Top	-801119.965
Cubierta	Bottom	-917552.642
Cubierta	Top	-801119.965
Cubierta	Bottom	-892813.121
Cubierta	Top	-801119.965
Cubierta	Bottom	-896650.81
Cubierta	Top	-961608.031
Cubierta	Bottom	-1055220.031
Cubierta	Top	-961608.031
Cubierta	Bottom	-1055220.031
Cubierta	Top	-961608.031
Cubierta	Bottom	-1037665.989
Cubierta	Top	-961608.031
Cubierta	Bottom	-1072774.072
Cubierta	Top	-961608.031
Cubierta	Bottom	-1048642.437
Cubierta	Top	-961608.031
Cubierta	Bottom	-1061797.625
Cubierta	Top	-961608.031
Cubierta	Bottom	-1038098.003
Cubierta	Top	-961608.031
Cubierta	Bottom	-1072342.058
Cubierta	Top	-961608.031
Cubierta	Bottom	-1053780.349
Cubierta	Top	-961608.031
Cubierta	Bottom	-1056659.713
Cubierta	Top	-48067.198
Cubierta	Bottom	-53683.918
Cubierta	Top	-48067.198
Cubierta	Bottom	-53683.918
Cubierta	Top	-48067.198
Cubierta	Bottom	-30287.588
Cubierta	Top	-48067.198
Cubierta	Bottom	-77080.248
Cubierta	Top	-48067.198
Cubierta	Bottom	-44918.87
Cubierta	Top	-48067.198
Cubierta	Bottom	-62448.966
Cubierta	Top	-48067.198
Cubierta	Bottom	-30863.242
Cubierta	Top	-48067.198
Cubierta	Bottom	-76504.594
Cubierta	Top	-48067.198
Cubierta	Bottom	-51765.073
Cubierta	Top	-48067.198
Cubierta	Bottom	-55602.763
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1183339.398
Cubierta	Top	-1175328.046

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Cubierta	Bottom	-1391985.493
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1278890.32
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1296434.571
Cubierta	Top	-721007.969
Cubierta	Bottom	-700935.721
Cubierta	Top	-721007.969
Cubierta	Bottom	-909581.817
Cubierta	Top	-721007.969
Cubierta	Bottom	-796486.644
Cubierta	Top	-721007.969
Cubierta	Bottom	-814030.894
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1261863.628
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1313461.263
Cubierta	Top	-721007.969
Cubierta	Bottom	-779459.952
Cubierta	Top	-721007.969
Cubierta	Bottom	-831057.586
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1285925.446
Cubierta	Top	-1175328.046
Cubierta	Bottom	-1289399.445
Cubierta	Top	-721007.969
Cubierta	Bottom	-803521.769
Cubierta	Top	-721007.969
Cubierta	Bottom	-806995.768
Entrepiso 1	Top	-2060049.671
Entrepiso 1	Bottom	-2156111
Entrepiso 1	Top	-531522.17
Entrepiso 1	Bottom	-531522.17
Entrepiso 1	Top	-165922.799
Entrepiso 1	Bottom	-475062.819
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0
Entrepiso 1	Top	-165922.799
Entrepiso 1	Bottom	-475062.819
Entrepiso 1	Top	-165922.799
Entrepiso 1	Bottom	-475062.819
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0
Entrepiso 1	Top	0
Entrepiso 1	Bottom	0
Entrepiso 1	Top	130403.865
Entrepiso 1	Bottom	350608.044
Entrepiso 1	Top	10964.828
Entrepiso 1	Bottom	13100.245
Entrepiso 1	Top	104323.048
Entrepiso 1	Bottom	280485.614
Entrepiso 1	Top	8772.125
Entrepiso 1	Bottom	10480.323
Entrepiso 1	Top	25798.817
Entrepiso 1	Bottom	70447.125
Entrepiso 1	Top	1736.999
Entrepiso 1	Bottom	2498.639
Entrepiso 1	Top	-2884069.539
Entrepiso 1	Bottom	-3018555.4
Entrepiso 1	Top	-3322495.076
Entrepiso 1	Bottom	-3437768.672
Entrepiso 1	Top	-3003581.775
Entrepiso 1	Bottom	-3118855.37
Entrepiso 1	Top	-3003581.775
Entrepiso 1	Bottom	-3118855.37
Entrepiso 1	Top	-3003581.775
Entrepiso 1	Bottom	-3118855.37
Entrepiso 1	Top	-3003581.775
Entrepiso 1	Bottom	-3118855.37
Entrepiso 1	Top	-2970158.446
Entrepiso 1	Bottom	-3030220.84
Entrepiso 1	Top	-3037005.103
Entrepiso 1	Bottom	-3207489.899
Entrepiso 1	Top	-2991060.278
Entrepiso 1	Bottom	-3089284.705
Entrepiso 1	Top	-3016103.272
Entrepiso 1	Bottom	-3148426.034
Entrepiso 1	Top	-2970980.808
Entrepiso 1	Bottom	-3031203.359
Entrepiso 1	Top	-3036182.741
Entrepiso 1	Bottom	-3206507.381
Entrepiso 1	Top	-3000840.567
Entrepiso 1	Bottom	-3115580.309
Entrepiso 1	Top	-3006322.982
Entrepiso 1	Bottom	-3122130.431
Entrepiso 1	Top	-1854044.704
Entrepiso 1	Bottom	-1940499.9
Entrepiso 1	Top	-1854044.704

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Entrepiso 1	Bottom	-1940499.9
Entrepiso 1	Top	-1820621.375
Entrepiso 1	Bottom	-1851865.371
Entrepiso 1	Top	-1887468.032
Entrepiso 1	Bottom	-2029134.429
Entrepiso 1	Top	-1841523.207
Entrepiso 1	Bottom	-1910929.235
Entrepiso 1	Top	-1866566.201
Entrepiso 1	Bottom	-1970070.565
Entrepiso 1	Top	-1821443.737
Entrepiso 1	Bottom	-1852847.889
Entrepiso 1	Top	-1886645.67
Entrepiso 1	Bottom	-2028151.911
Entrepiso 1	Top	-1851303.496
Entrepiso 1	Bottom	-1937224.839
Entrepiso 1	Top	-1856785.911
Entrepiso 1	Bottom	-1943774.961
Entrepiso 1	Top	-2060049.671
Entrepiso 1	Bottom	-2156111
Entrepiso 1	Top	-2591571.84
Entrepiso 1	Bottom	-2687633.17
Entrepiso 1	Top	-2060049.671
Entrepiso 1	Bottom	-2156111
Entrepiso 1	Top	-2458691.298
Entrepiso 1	Bottom	-2554752.627
Entrepiso 1	Top	-2060049.671
Entrepiso 1	Bottom	-2156111
Entrepiso 1	Top	-2060049.671
Entrepiso 1	Bottom	-2156111
Entrepiso 1	Top	-2051284.623
Entrepiso 1	Bottom	-2135411.535
Entrepiso 1	Top	-2068814.718
Entrepiso 1	Bottom	-2176810.465
Entrepiso 1	Top	-2051284.623
Entrepiso 1	Bottom	-2135411.535
Entrepiso 1	Top	-2068814.718
Entrepiso 1	Bottom	-2176810.465
Entrepiso 1	Top	-2037228.994
Entrepiso 1	Bottom	-2094754.592
Entrepiso 1	Top	-2082870.347
Entrepiso 1	Bottom	-2217467.408
Entrepiso 1	Top	-2058130.826
Entrepiso 1	Bottom	-2153818.457
Entrepiso 1	Top	-2061968.516
Entrepiso 1	Bottom	-2158403.543
Entrepiso 1	Top	-2458691.298
Entrepiso 1	Bottom	-2554752.627
Entrepiso 1	Top	-2458691.298
Entrepiso 1	Bottom	-2554752.627

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Entrepiso 1	Top	-2441137.256
Entrepiso 1	Bottom	-2508201.642
Entrepiso 1	Top	-2476245.34
Entrepiso 1	Bottom	-2601303.613
Entrepiso 1	Top	-2452113.704
Entrepiso 1	Bottom	-2539218.608
Entrepiso 1	Top	-2465268.892
Entrepiso 1	Bottom	-2570286.647
Entrepiso 1	Top	-2441569.271
Entrepiso 1	Bottom	-2508717.791
Entrepiso 1	Top	-2475813.325
Entrepiso 1	Bottom	-2600787.464
Entrepiso 1	Top	-2457251.616
Entrepiso 1	Bottom	-2553032.565
Entrepiso 1	Top	-2460130.98
Entrepiso 1	Bottom	-2556472.69
Entrepiso 1	Top	-123602.98
Entrepiso 1	Bottom	-129366.66
Entrepiso 1	Top	-123602.98
Entrepiso 1	Bottom	-129366.66
Entrepiso 1	Top	-100206.65
Entrepiso 1	Bottom	-67322.489
Entrepiso 1	Top	-146999.31
Entrepiso 1	Bottom	-191410.831
Entrepiso 1	Top	-114837.932
Entrepiso 1	Bottom	-108667.195
Entrepiso 1	Top	-132368.028
Entrepiso 1	Bottom	-150066.125
Entrepiso 1	Top	-100782.304
Entrepiso 1	Bottom	-68010.252
Entrepiso 1	Top	-146423.657
Entrepiso 1	Bottom	-190723.068
Entrepiso 1	Top	-121684.135
Entrepiso 1	Bottom	-127074.117
Entrepiso 1	Top	-125521.825
Entrepiso 1	Bottom	-131659.203
Entrepiso 1	Top	-2899258.727
Entrepiso 1	Bottom	-2838369.755
Entrepiso 1	Top	-3107904.822
Entrepiso 1	Bottom	-3399340.984
Entrepiso 1	Top	-2994809.649
Entrepiso 1	Bottom	-3108375.047
Entrepiso 1	Top	-3012353.9
Entrepiso 1	Bottom	-3129335.693
Entrepiso 1	Top	-1749721.656
Entrepiso 1	Bottom	-1660014.286
Entrepiso 1	Top	-1958367.751
Entrepiso 1	Bottom	-2220985.514
Entrepiso 1	Top	-1845272.578

Table 5.7 - Story Forces (Part 2 of 2, continued)

Story	Location	MY tonf-cm
Entrepiso 1	Bottom	-1930019.577
Entrepiso 1	Top	-1862816.829
Entrepiso 1	Bottom	-1950980.223
Entrepiso 1	Top	-2977782.957
Entrepiso 1	Bottom	-3048408.245
Entrepiso 1	Top	-3029380.592
Entrepiso 1	Bottom	-3189302.495
Entrepiso 1	Top	-1828245.886
Entrepiso 1	Bottom	-1870052.775
Entrepiso 1	Top	-1879843.521
Entrepiso 1	Bottom	-2010947.025
Entrepiso 1	Top	-3001844.775
Entrepiso 1	Bottom	-3116356.731
Entrepiso 1	Top	-3005318.774
Entrepiso 1	Bottom	-3121354.009
Entrepiso 1	Top	-1852307.704
Entrepiso 1	Bottom	-1938001.261
Entrepiso 1	Top	-1855781.703
Entrepiso 1	Bottom	-1942998.539

5.3 Point Results

Table 5.8 - Joint Reactions

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	1	3	Dead	LinStatic		1.849	-1.6509	33.7099	10.193	179.973	1.792
Base	1	3	Live	LinStatic		0.544	-0.4418	7.1264	43.541	88.826	0.46
Base	1	3	Sx-FHE	LinStatic		-34.1267	-0.2024	-22.1257	-85.454	-10409.383	-8.094
Base	1	3	Sy-FHE	LinStatic		-0.5217	-30.9016	23.8566	10023.563	-267.17	29.105
Base	1	3	Lr	LinStatic		0	0	0	0	0	0
Base	1	3	Sx-FHE+Exc	LinStatic		-35.3842	-2.5341	-20.4024	764.562	-10817.779	28.946
Base	1	3	Sx-FHE-Exc	LinStatic		-32.8691	2.1293	-23.849	-935.47	-10000.988	-45.134
Base	1	3	Sy-FHE+Exc	LinStatic		1.2447	-27.6264	21.4359	8829.566	306.493	-22.924
Base	1	3	Sy-FHE-Exc	LinStatic		-2.2881	-34.1768	26.2773	11217.56	-840.833	81.134
Base	1	3	W-	LinStatic		0	0	0	0	0	0
Base	1	3	W+	LinStatic		0	0	0	0	0	0
Base	1	3	F	LinStatic		0	0	0	0	0	0
Base	1	3	He	LinStatic		0	0	0	0	0	0
Base	1	3	Sx	LinRespSpec	Max	24.6138	3.355	17.1709	912.71	7465.523	34.587
Base	1	3	Sy	LinRespSpec	Max	5.9979	28.1587	19.7935	8970.748	1789.573	138.28
Base	1	3	Sx-Der	LinRespSpec	Max	19.691	2.6841	13.7367	730.175	5972.408	27.67
Base	1	3	Sy-Der	LinRespSpec	Max	4.7984	22.5271	15.8349	7176.628	1431.68	110.626
Base	1	3	Sx-Um	LinRespSpec	Max	4.8826	0.5761	3.4613	170.225	1490.02	6.755
Base	1	3	Sy-Um	LinRespSpec	Max	1.0875	5.4573	3.8958	1759.81	333.468	26.294
Base	1	3	U1	Combination		2.5886	-2.3112	47.1938	14.271	251.962	2.509
Base	1	3	U2	Combination		3.0891	-2.6879	51.854	81.898	358.089	2.886
Base	1	3	U3	Combination		2.7628	-2.4228	47.5782	55.773	304.793	2.61
Base	1	3	U4	Combination		2.7628	-2.4228	47.5782	55.773	304.793	2.61
Base	1	3	U5	Combination		2.7628	-2.4228	47.5782	55.773	304.793	2.61

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	1	3	U6	Combination		2.7628	-2.4228	47.5782	55.773	304.793	2.61
Base	1	3	U7	Combination	Max	9.3661	0.5278	53.3554	956.757	2305.392	21.628
Base	1	3	U7	Combination	Min	-3.8405	-5.3735	41.801	-845.21	-1695.805	-16.407
Base	1	3	U8	Combination	Max	6.1083	4.8685	53.8144	2366.913	1312.101	39.775
Base	1	3	U8	Combination	Min	-0.5828	-9.7141	41.342	-2255.367	-702.514	-34.554
Base	1	3	U9	Combination	Max	8.9162	-1.5841	51.8709	283.95	2171.174	11.257
Base	1	3	U9	Combination	Min	-3.3907	-3.2616	43.2855	-172.404	-1561.587	-6.036
Base	1	3	U10	Combination	Max	4.2622	4.6168	52.5266	2298.46	752.187	37.18
Base	1	3	U10	Combination	Min	1.2633	-9.4625	42.6298	-2186.914	-142.6	-31.96
Base	1	3	U11	Combination		1.6641	-1.4858	30.3389	9.174	161.976	1.613
Base	1	3	U12	Combination		1.6641	-1.4858	30.3389	9.174	161.976	1.613
Base	1	3	U13	Combination	Max	8.2674	1.4649	36.1161	910.157	2162.574	20.631
Base	1	3	U13	Combination	Min	-4.9392	-4.4364	24.5616	-891.81	-1838.623	-17.405
Base	1	3	U14	Combination	Max	5.0096	5.8055	36.5751	2320.314	1169.283	38.777
Base	1	3	U14	Combination	Min	-1.6814	-8.7771	24.1027	-2301.966	-845.332	-35.551
Base	1	3	U15	Combination	Max	7.8176	-0.647	34.6316	237.351	2028.356	10.26
Base	1	3	U15	Combination	Min	-4.4894	-2.3245	26.0461	-219.003	-1704.405	-7.034
Base	1	3	U16	Combination	Max	3.1636	5.5539	35.2873	2251.861	609.369	36.183
Base	1	3	U16	Combination	Min	0.1646	-8.5255	25.3905	-2233.513	-285.418	-32.957
Base	1	3	S1	Combination		1.849	-1.6509	33.7099	10.193	179.973	1.792
Base	1	3	S2	Combination		2.393	-2.0927	40.8362	53.734	268.799	2.252
Base	1	3	S3	Combination		1.849	-1.6509	33.7099	10.193	179.973	1.792
Base	1	3	S4	Combination		2.257	-1.9822	39.0546	42.849	246.592	2.137
Base	1	3	S5	Combination		1.849	-1.6509	33.7099	10.193	179.973	1.792
Base	1	3	S6	Combination		1.849	-1.6509	33.7099	10.193	179.973	1.792
Base	1	3	S7	Combination	Max	4.1909	3.4531	38.0752	1627.991	885.088	27.807
Base	1	3	S7	Combination	Min	-0.4929	-6.7548	29.3445	-1607.605	-525.142	-24.223
Base	1	3	S8	Combination	Max	4.1909	3.4531	38.0752	1627.991	885.088	27.807
Base	1	3	S8	Combination	Min	-0.4929	-6.7548	29.3445	-1607.605	-525.142	-24.223
Base	1	3	S9	Combination	Max	6.1564	-1.0637	36.7148	169.917	1486.44	7.845
Base	1	3	S9	Combination	Min	-2.4584	-2.238	30.705	-149.531	-1126.493	-4.261
Base	1	3	S10	Combination	Max	2.8986	3.2769	37.1737	1580.074	493.148	25.991
Base	1	3	S10	Combination	Min	0.7994	-6.5786	30.246	-1559.688	-133.202	-22.407
Base	1	3	S11	Combination		2.257	-1.9822	39.0546	42.849	246.592	2.137
Base	1	3	S12	Combination		2.257	-1.9822	39.0546	42.849	246.592	2.137
Base	1	3	S13	Combination	Max	5.7251	-0.4322	42.089	516.135	1297.325	12.127
Base	1	3	S13	Combination	Min	-1.2111	-3.5322	36.0202	-430.437	-804.14	-7.853
Base	1	3	S14	Combination	Max	4.0143	1.8472	42.3301	1256.669	775.705	21.656
Base	1	3	S14	Combination	Min	0.4997	-5.8116	35.7792	-1170.971	-282.52	-17.382
Base	1	3	S15	Combination	Max	5.4888	-1.5417	41.3092	162.688	1226.815	6.678
Base	1	3	S15	Combination	Min	-0.9748	-2.4227	36.8001	-76.99	-733.631	-2.404
Base	1	3	S16	Combination	Max	3.0445	1.715	41.6535	1220.708	481.563	20.293
Base	1	3	S16	Combination	Min	1.4694	-5.6795	36.4558	-1135.01	11.621	-16.019
Base	1	3	S17	Combination		0.1109	-0.0991	2.0226	0.612	10.798	0.108
Base	1	3	S18	Combination		0.1109	-0.0991	2.0226	0.612	10.798	0.108
Base	1	3	S19	Combination	Max	4.7332	1.9664	6.0667	631.3	1411.217	13.42
Base	1	3	S19	Combination	Min	-4.5114	-2.1645	-2.0215	-630.077	-1389.621	-13.205
Base	1	3	S20	Combination	Max	2.4528	5.0049	6.3879	1618.41	715.914	26.122

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	1	3	S20	Combination	Min	-2.2309	-5.203	-2.3427	-1617.187	-694.317	-25.907
Base	1	3	S21	Combination	Max	4.4184	0.4881	5.0275	160.336	1317.265	6.16
Base	1	3	S21	Combination	Min	-4.1965	-0.6862	-0.9823	-159.113	-1295.668	-5.945
Base	1	3	S22	Combination	Max	1.1606	4.8287	5.4865	1570.492	323.974	24.307
Base	1	3	S22	Combination	Min	-0.9387	-5.0268	-1.4413	-1569.269	-302.377	-24.092
Base	1	3	Dx	Combination	Max	22.4538	0.2612	61.3149	785.948	6277.202	30.28
Base	1	3	Dx	Combination	Min	-16.9283	-5.1069	33.8415	-674.402	-5667.615	-25.06
Base	1	3	Dy	Combination	Max	7.5612	20.1043	63.4131	7232.401	1736.474	113.236
Base	1	3	Dy	Combination	Min	-2.0357	-24.95	31.7433	-7120.855	-1126.887	-108.015
Base	1	3	Dx-1	Combination	Max	21.3551	1.1983	44.0756	739.349	6134.384	29.283
Base	1	3	Dx-1	Combination	Min	-18.0269	-4.1699	16.6022	-721.001	-5810.433	-26.057
Base	1	3	Dy-1	Combination	Max	6.4625	21.0414	46.1737	7185.802	1593.656	112.238
Base	1	3	Dy-1	Combination	Min	-3.1343	-24.0129	14.504	-7167.454	-1269.705	-109.013
Base	1	3	Dx-Um	Combination	Max	7.6454	-1.8467	51.0395	225.998	1794.814	9.366
Base	1	3	Dx-Um	Combination	Min	-2.1199	-2.999	44.1169	-114.452	-1185.227	-4.145
Base	1	3	Dx-1 -Um	Combination	Max	6.5467	-0.9096	33.8001	179.399	1651.996	8.368
Base	1	3	Dx-1 -Um	Combination	Min	-3.2185	-2.0619	26.8776	-161.051	-1328.044	-5.143
Base	1	3	Dy-Um	Combination	Max	3.8502	3.0345	51.474	1815.583	638.261	28.905
Base	1	3	Dy-Um	Combination	Min	1.6753	-7.8802	43.6824	-1704.037	-28.674	-23.684
Base	1	3	Dy-1-Um	Combination	Max	2.7516	3.9716	34.2347	1768.984	495.444	27.907
Base	1	3	Dy-1-Um	Combination	Min	0.5766	-6.9431	26.4431	-1750.636	-171.492	-24.681
Base	2	6	Dead	LinStatic		0.271	-3.2083	56.0562	203.634	139.953	1.792
Base	2	6	Live	LinStatic		0.0666	-0.9338	13.4537	105.21	26.605	0.46
Base	2	6	Sx-FHE	LinStatic		-40.7009	-0.136	-3.7931	-51.001	-11266.224	-8.094
Base	2	6	Sy-FHE	LinStatic		-0.8153	-35.9447	30.992	10525.856	-305.432	29.105
Base	2	6	Lr	LinStatic		0	0	0	0	0	0
Base	2	6	Sx-FHE+Exc	LinStatic		-42.2633	-1.9165	-1.6694	529.919	-11714.357	28.946
Base	2	6	Sx-FHE-Exc	LinStatic		-39.1385	1.6444	-5.9167	-631.922	-10818.092	-45.134
Base	2	6	Sy-FHE+Exc	LinStatic		1.3794	-33.4438	28.0089	9709.851	324.049	-22.924
Base	2	6	Sy-FHE-Exc	LinStatic		-3.0099	-38.4457	33.975	11341.86	-934.913	81.134
Base	2	6	W-	LinStatic		0	0	0	0	0	0
Base	2	6	W+	LinStatic		0	0	0	0	0	0
Base	2	6	F	LinStatic		0	0	0	0	0	0
Base	2	6	He	LinStatic		0	0	0	0	0	0
Base	2	6	Sx	LinRespSpec	Max	29.2672	2.6482	3.8833	669.683	8076.493	34.587
Base	2	6	Sy	LinRespSpec	Max	7.1666	29.6888	25.8687	8654.77	1947.924	138.28
Base	2	6	Sx-Der	LinRespSpec	Max	23.4137	2.1186	3.1066	535.753	6461.184	27.67
Base	2	6	Sy-Der	LinRespSpec	Max	5.7334	23.7512	20.695	6923.845	1558.363	110.626
Base	2	6	Sx-Um	LinRespSpec	Max	5.8198	0.4569	0.7896	123.858	1612.635	6.755
Base	2	6	Sy-Um	LinRespSpec	Max	1.315	5.7862	5.0918	1697.504	363.879	26.294
Base	2	6	U1	Combination		0.3794	-4.4916	78.4786	285.088	195.934	2.509
Base	2	6	U2	Combination		0.4317	-5.344	88.7934	412.697	210.511	2.886
Base	2	6	U3	Combination		0.3917	-4.7837	80.7211	349.571	194.548	2.61
Base	2	6	U4	Combination		0.3917	-4.7837	80.7211	349.571	194.548	2.61
Base	2	6	U5	Combination		0.3917	-4.7837	80.7211	349.571	194.548	2.61
Base	2	6	U6	Combination		0.3917	-4.7837	80.7211	349.571	194.548	2.61
Base	2	6	U7	Combination	Max	8.246	-1.895	83.6321	1166.1	2359.766	21.628
Base	2	6	U7	Combination	Min	-7.4625	-7.6724	77.8102	-466.957	-1970.669	-16.407

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	2	6	U8	Combination	Max	4.3784	2.8371	87.4795	2563.49	1287.266	39.775
Base	2	6	U8	Combination	Min	-3.5949	-12.4045	73.9627	-1864.347	-898.17	-34.554
Base	2	6	U9	Combination	Max	7.7085	-4.1217	81.692	516.992	2213.671	11.257
Base	2	6	U9	Combination	Min	-6.9251	-5.4457	79.7503	182.15	-1824.575	-6.036
Base	2	6	U10	Combination	Max	2.1834	2.6385	87.1883	2513.264	681.529	37.18
Base	2	6	U10	Combination	Min	-1.3999	-12.2059	74.254	-1814.121	-292.433	-31.96
Base	2	6	U11	Combination		0.2439	-2.8875	50.4505	183.271	125.958	1.613
Base	2	6	U12	Combination		0.2439	-2.8875	50.4505	183.271	125.958	1.613
Base	2	6	U13	Combination	Max	8.0982	0.0013	53.3615	999.799	2291.175	20.631
Base	2	6	U13	Combination	Min	-7.6104	-5.7762	47.5396	-633.258	-2039.26	-17.405
Base	2	6	U14	Combination	Max	4.2306	4.7334	57.209	2397.19	1218.676	38.777
Base	2	6	U14	Combination	Min	-3.7428	-10.5083	43.6921	-2030.648	-966.76	-35.551
Base	2	6	U15	Combination	Max	7.5607	-2.2254	51.4214	350.692	2145.081	10.26
Base	2	6	U15	Combination	Min	-7.0729	-3.5495	49.4797	15.85	-1893.166	-7.034
Base	2	6	U16	Combination	Max	2.0355	4.5348	56.9177	2346.963	612.939	36.183
Base	2	6	U16	Combination	Min	-1.5478	-10.3097	43.9834	-1980.422	-361.023	-32.957
Base	2	6	S1	Combination		0.271	-3.2083	56.0562	203.634	139.953	1.792
Base	2	6	S2	Combination		0.3375	-4.142	69.5099	308.844	166.558	2.252
Base	2	6	S3	Combination		0.271	-3.2083	56.0562	203.634	139.953	1.792
Base	2	6	S4	Combination		0.3209	-3.9086	66.1465	282.542	159.906	2.137
Base	2	6	S5	Combination		0.271	-3.2083	56.0562	203.634	139.953	1.792
Base	2	6	S6	Combination		0.271	-3.2083	56.0562	203.634	139.953	1.792
Base	2	6	S7	Combination	Max	3.0617	2.1263	60.787	1753.377	904.856	27.807
Base	2	6	S7	Combination	Min	-2.5197	-8.5429	51.3253	-1346.109	-624.95	-24.223
Base	2	6	S8	Combination	Max	3.0617	2.1263	60.787	1753.377	904.856	27.807
Base	2	6	S8	Combination	Min	-2.5197	-8.5429	51.3253	-1346.109	-624.95	-24.223
Base	2	6	S9	Combination	Max	5.3927	-2.7449	56.7357	320.829	1553.339	7.845
Base	2	6	S9	Combination	Min	-4.8508	-3.6717	55.3766	86.44	-1273.433	-4.261
Base	2	6	S10	Combination	Max	1.5251	1.9873	60.5832	1718.219	480.84	25.991
Base	2	6	S10	Combination	Min	-0.9832	-8.4038	51.5291	-1310.95	-200.934	-22.407
Base	2	6	S11	Combination		0.3209	-3.9086	66.1465	282.542	159.906	2.137
Base	2	6	S12	Combination		0.3209	-3.9086	66.1465	282.542	159.906	2.137
Base	2	6	S13	Combination	Max	4.4461	-2.3912	67.6756	711.469	1297.098	12.127
Base	2	6	S13	Combination	Min	-3.8042	-5.426	64.6174	-146.385	-977.285	-7.853
Base	2	6	S14	Combination	Max	2.415	0.0939	69.696	1445.299	733.883	21.656
Base	2	6	S14	Combination	Min	-1.7732	-7.9111	62.5969	-880.215	-414.07	-17.382
Base	2	6	S15	Combination	Max	4.1637	-3.5609	66.6563	370.471	1220.35	6.678
Base	2	6	S15	Combination	Min	-3.5219	-4.2563	65.6366	194.613	-900.537	-2.404
Base	2	6	S16	Combination	Max	1.2619	-0.0105	69.543	1418.913	415.669	20.293
Base	2	6	S16	Combination	Min	-0.6201	-7.8067	62.7499	-853.829	-95.856	-16.019
Base	2	6	S17	Combination		0.0163	-0.1925	3.3634	12.218	8.397	0.108
Base	2	6	S18	Combination		0.0163	-0.1925	3.3634	12.218	8.397	0.108
Base	2	6	S19	Combination	Max	5.5143	1.8296	5.4011	583.788	1524.05	13.42
Base	2	6	S19	Combination	Min	-5.4817	-2.2146	1.3257	-559.352	-1507.255	-13.205
Base	2	6	S20	Combination	Max	2.8069	5.1421	8.0943	1561.961	773.3	26.122
Base	2	6	S20	Combination	Min	-2.7744	-5.5271	-1.3675	-1537.525	-756.505	-25.907
Base	2	6	S21	Combination	Max	5.138	0.2709	4.0429	129.413	1421.783	6.16
Base	2	6	S21	Combination	Min	-5.1055	-0.6559	2.6838	-104.977	-1404.989	-5.945

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	2	6	S22	Combination	Max	1.2704	5.003	7.8904	1526.803	349.284	24.307
Base	2	6	S22	Combination	Min	-1.2379	-5.388	-1.1636	-1502.367	-332.49	-24.092
Base	2	6	Dx	Combination	Max	23.8055	-2.6651	83.8278	885.324	6655.732	30.28
Base	2	6	Dx	Combination	Min	-23.022	-6.9023	77.6145	-186.181	-6266.636	-25.06
Base	2	6	Dy	Combination	Max	6.1251	18.9675	101.4161	7273.417	1752.911	113.236
Base	2	6	Dy	Combination	Min	-5.3416	-28.5349	60.0261	-6574.274	-1363.815	-108.015
Base	2	6	Dx-1	Combination	Max	23.6576	-0.7689	53.5572	719.023	6587.141	29.283
Base	2	6	Dx-1	Combination	Min	-23.1698	-5.006	47.3439	-352.482	-6335.226	-26.057
Base	2	6	Dy-1	Combination	Max	5.9772	20.8637	71.1456	7107.116	1684.32	112.238
Base	2	6	Dy-1	Combination	Min	-5.4895	-26.6386	29.7555	-6740.575	-1432.405	-109.013
Base	2	6	Dx-Um	Combination	Max	6.2115	-4.3268	81.5107	473.429	1807.183	9.366
Base	2	6	Dx-Um	Combination	Min	-5.428	-5.2406	79.9315	225.713	-1418.087	-4.145
Base	2	6	Dx-1 -Um	Combination	Max	6.0637	-2.4305	51.2401	307.129	1738.592	8.368
Base	2	6	Dx-1 -Um	Combination	Min	-5.5759	-3.3444	49.6609	59.413	-1486.677	-5.143
Base	2	6	Dy-Um	Combination	Max	1.7068	1.0024	85.8129	2047.075	558.427	28.905
Base	2	6	Dy-Um	Combination	Min	-0.9233	-10.5699	75.6293	-1347.933	-169.331	-23.684
Base	2	6	Dy-1-Um	Combination	Max	1.5589	2.8987	55.5423	1880.775	489.836	27.907
Base	2	6	Dy-1-Um	Combination	Min	-1.0711	-8.6736	45.3587	-1514.233	-237.921	-24.681
Base	3	9	Dead	LinStatic		-0.4513	-2.8507	45.3224	148.631	66.905	1.792
Base	3	9	Live	LinStatic		-0.1272	-0.8462	10.4849	91.642	1.358	0.46
Base	3	9	Sx-FHE	LinStatic		-43.3361	-0.0099	-21.5136	-29.505	-11609.684	-8.094
Base	3	9	Sy-FHE	LinStatic		-0.959	-36.458	30.1586	10456.35	-324.171	29.105
Base	3	9	Lr	LinStatic		0	0	0	0	0	0
Base	3	9	Sx-FHE+Exc	LinStatic		-45.0093	-0.8628	-21.2155	256.937	-12072.247	28.946
Base	3	9	Sx-FHE-Exc	LinStatic		-41.663	0.843	-21.8117	-315.948	-11147.121	-45.134
Base	3	9	Sy-FHE+Exc	LinStatic		1.3912	-35.2599	29.7398	10053.992	325.58	-22.924
Base	3	9	Sy-FHE-Exc	LinStatic		-3.3092	-37.656	30.5773	10858.709	-973.921	81.134
Base	3	9	W-	LinStatic		0	0	0	0	0	0
Base	3	9	W+	LinStatic		0	0	0	0	0	0
Base	3	9	F	LinStatic		0	0	0	0	0	0
Base	3	9	He	LinStatic		0	0	0	0	0	0
Base	3	9	Sx	LinRespSpec	Max	31.1382	2.0254	15.9896	471.213	8322.058	34.587
Base	3	9	Sy	LinRespSpec	Max	7.601	27.9452	22.0717	8006.492	2006.569	138.28
Base	3	9	Sx-Der	LinRespSpec	Max	24.9105	1.6203	12.7916	376.977	6657.635	27.67
Base	3	9	Sy-Der	LinRespSpec	Max	6.0809	22.3563	17.6574	6405.226	1605.279	110.626
Base	3	9	Sx-Um	LinRespSpec	Max	6.1973	0.3377	3.2183	83.796	1662.021	6.755
Base	3	9	Sy-Um	LinRespSpec	Max	1.4004	5.4359	4.3056	1565.116	375.255	26.294
Base	3	9	U1	Combination		-0.6319	-3.991	63.4514	208.084	93.667	2.509
Base	3	9	U2	Combination		-0.7451	-4.7748	71.1628	324.985	82.458	2.886
Base	3	9	U3	Combination		-0.6688	-4.267	64.8719	270	81.643	2.61
Base	3	9	U4	Combination		-0.6688	-4.267	64.8719	270	81.643	2.61
Base	3	9	U5	Combination		-0.6688	-4.267	64.8719	270	81.643	2.61
Base	3	9	U6	Combination		-0.6688	-4.267	64.8719	270	81.643	2.61
Base	3	9	U7	Combination	Max	7.6859	-1.6648	70.5246	988.29	2312.65	21.628
Base	3	9	U7	Combination	Min	-9.0234	-6.8693	59.2191	-448.29	-2149.364	-16.407
Base	3	9	U8	Combination	Max	3.5668	2.8712	71.589	2306.964	1207.44	39.775
Base	3	9	U8	Combination	Min	-4.9044	-11.4053	58.1547	-1766.964	-1044.153	-34.554

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	3	9	U9	Combination	Max	7.1158	-3.7607	68.8693	387.803	2162.158	11.257
Base	3	9	U9	Combination	Min	-8.4533	-4.7734	60.8745	152.196	-1998.871	-6.036
Base	3	9	U10	Combination	Max	1.2315	2.7193	70.3898	2271.623	583.286	37.18
Base	3	9	U10	Combination	Min	-2.569	-11.2533	59.354	-1731.623	-419.999	-31.96
Base	3	9	U11	Combination		-0.4062	-2.5656	40.7902	133.768	60.214	1.613
Base	3	9	U12	Combination		-0.4062	-2.5656	40.7902	133.768	60.214	1.613
Base	3	9	U13	Combination	Max	7.9484	0.0366	46.443	852.058	2291.221	20.631
Base	3	9	U13	Combination	Min	-8.7608	-5.1679	35.1374	-584.522	-2170.793	-17.405
Base	3	9	U14	Combination	Max	3.8294	4.5726	47.5073	2170.732	1186.011	38.777
Base	3	9	U14	Combination	Min	-4.6418	-9.7038	34.0731	-1903.196	-1065.582	-35.551
Base	3	9	U15	Combination	Max	7.3783	-2.0593	44.7876	251.571	2140.729	10.26
Base	3	9	U15	Combination	Min	-8.1908	-3.072	36.7928	15.965	-2020.3	-7.034
Base	3	9	U16	Combination	Max	1.494	4.4207	46.3081	2135.391	561.857	36.183
Base	3	9	U16	Combination	Min	-2.3065	-9.5519	35.2723	-1867.855	-441.428	-32.957
Base	3	9	S1	Combination		-0.4513	-2.8507	45.3224	148.631	66.905	1.792
Base	3	9	S2	Combination		-0.5785	-3.6969	55.8074	240.274	68.262	2.252
Base	3	9	S3	Combination		-0.4513	-2.8507	45.3224	148.631	66.905	1.792
Base	3	9	S4	Combination		-0.5467	-3.4853	53.1862	217.363	67.923	2.137
Base	3	9	S5	Combination		-0.4513	-2.8507	45.3224	148.631	66.905	1.792
Base	3	9	S6	Combination		-0.4513	-2.8507	45.3224	148.631	66.905	1.792
Base	3	9	S7	Combination	Max	2.5136	2.1461	50.0244	1574.506	854.962	27.807
Base	3	9	S7	Combination	Min	-3.4163	-7.8474	40.6205	-1277.244	-721.153	-24.223
Base	3	9	S8	Combination	Max	2.5136	2.1461	50.0244	1574.506	854.962	27.807
Base	3	9	S8	Combination	Min	-3.4163	-7.8474	40.6205	-1277.244	-721.153	-24.223
Base	3	9	S9	Combination	Max	4.9978	-2.4963	48.1206	231.093	1523.265	7.845
Base	3	9	S9	Combination	Min	-5.9005	-3.2051	42.5243	66.169	-1389.455	-4.261
Base	3	9	S10	Combination	Max	0.8788	2.0397	49.185	1549.767	418.054	25.991
Base	3	9	S10	Combination	Min	-1.7815	-7.7411	41.4599	-1252.505	-284.245	-22.407
Base	3	9	S11	Combination		-0.5467	-3.4853	53.1862	217.363	67.923	2.137
Base	3	9	S12	Combination		-0.5467	-3.4853	53.1862	217.363	67.923	2.137
Base	3	9	S13	Combination	Max	3.8412	-2.1184	56.1552	594.689	1239.668	12.127
Base	3	9	S13	Combination	Min	-4.9346	-4.8523	50.2171	-159.963	-1103.822	-7.853
Base	3	9	S14	Combination	Max	1.6781	0.2637	56.7142	1287.181	659.275	21.656
Base	3	9	S14	Combination	Min	-2.7716	-7.2344	49.6582	-852.455	-523.429	-17.382
Base	3	9	S15	Combination	Max	3.5417	-3.2194	55.2856	279.233	1160.609	6.678
Base	3	9	S15	Combination	Min	-4.6352	-3.7513	51.0867	155.493	-1024.763	-2.404
Base	3	9	S16	Combination	Max	0.4513	0.1839	56.0842	1268.615	331.385	20.293
Base	3	9	S16	Combination	Min	-1.5447	-7.1546	50.2881	-833.889	-195.54	-16.019
Base	3	9	S17	Combination		-0.0271	-0.171	2.7193	8.918	4.014	0.108
Base	3	9	S18	Combination		-0.0271	-0.171	2.7193	8.918	4.014	0.108
Base	3	9	S19	Combination	Max	5.8212	1.6505	6.6763	511.721	1565.719	13.42
Base	3	9	S19	Combination	Min	-5.8753	-1.9926	-1.2376	-493.885	-1557.691	-13.205
Base	3	9	S20	Combination	Max	2.9378	4.8257	7.4213	1434.793	792.072	26.122
Base	3	9	S20	Combination	Min	-2.992	-5.1678	-1.9827	-1416.957	-784.043	-25.907
Base	3	9	S21	Combination	Max	5.4221	0.1834	5.5175	91.38	1460.374	6.16
Base	3	9	S21	Combination	Min	-5.4763	-0.5255	-0.0788	-73.544	-1452.346	-5.945
Base	3	9	S22	Combination	Max	1.3031	4.7194	6.5819	1410.054	355.164	24.307
Base	3	9	S22	Combination	Min	-1.3572	-5.0615	-1.1432	-1392.218	-347.135	-24.092

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	3	9	Dx	Combination	Max	24.2418	-2.6467	77.6635	646.977	6739.278	30.28
Base	3	9	Dx	Combination	Min	-25.5793	-5.8874	52.0803	-106.977	-6575.991	-25.06
Base	3	9	Dy	Combination	Max	5.4121	18.0893	82.5293	6675.226	1686.923	113.236
Base	3	9	Dy	Combination	Min	-6.7496	-26.6234	47.2144	-6135.226	-1523.636	-108.015
Base	3	9	Dx-1	Combination	Max	24.5043	-0.9453	53.5818	510.745	6717.849	29.283
Base	3	9	Dx-1	Combination	Min	-25.3167	-4.186	27.9986	-243.209	-6597.42	-26.057
Base	3	9	Dy-1	Combination	Max	5.6747	19.7907	58.4476	6538.994	1665.494	112.238
Base	3	9	Dy-1	Combination	Min	-6.4871	-24.9219	23.1328	-6271.458	-1545.065	-109.013
Base	3	9	Dx-Um	Combination	Max	5.5285	-3.9293	68.0902	353.795	1743.664	9.366
Base	3	9	Dx-Um	Combination	Min	-6.8661	-4.6048	61.6536	186.204	-1580.378	-4.145
Base	3	9	Dx-1 -Um	Combination	Max	5.7911	-2.2279	44.0085	217.564	1722.235	8.368
Base	3	9	Dx-1 -Um	Combination	Min	-6.6035	-2.9034	37.5719	49.972	-1601.807	-5.143
Base	3	9	Dy-Um	Combination	Max	0.7316	1.1689	69.1775	1835.116	456.898	28.905
Base	3	9	Dy-Um	Combination	Min	-2.0691	-9.7029	60.5662	-1295.116	-293.611	-23.684
Base	3	9	Dy-1-Um	Combination	Max	0.9941	2.8703	45.0958	1698.884	435.469	27.907
Base	3	9	Dy-1-Um	Combination	Min	-1.8066	-8.0015	36.4846	-1431.348	-315.04	-24.681
Base	4	12	Dead	LinStatic		1.2403	-1.5178	39.9927	29.05	247.297	1.792
Base	4	12	Live	LinStatic		0.2103	-0.3385	8.3607	23.94	45.339	0.46
Base	4	12	Sx-FHE	LinStatic		-42.7768	0.1074	28.9779	-17.788	-11536.782	-8.094
Base	4	12	Sy-FHE	LinStatic		-0.6581	-36.7234	32.5021	10393.807	-284.948	29.105
Base	4	12	Lr	LinStatic		0	0	0	0	0	0
Base	4	12	Sx-FHE+Exc	LinStatic		-44.4179	-0.0339	30.7615	52.294	-11995.172	28.946
Base	4	12	Sx-FHE-Exc	LinStatic		-41.1356	0.2487	27.1943	-87.869	-11078.392	-45.134
Base	4	12	Sy-FHE+Exc	LinStatic		1.6472	-36.5249	29.9967	10295.366	358.941	-22.924
Base	4	12	Sy-FHE-Exc	LinStatic		-2.9633	-36.9218	35.0074	10492.249	-928.838	81.134
Base	4	12	W-	LinStatic		0	0	0	0	0	0
Base	4	12	W+	LinStatic		0	0	0	0	0	0
Base	4	12	F	LinStatic		0	0	0	0	0	0
Base	4	12	He	LinStatic		0	0	0	0	0	0
Base	4	12	Sx	LinRespSpec	Max	30.7416	1.7887	21.1022	396.332	8270.148	34.587
Base	4	12	Sy	LinRespSpec	Max	7.3931	26.8143	26.8557	7593.201	1977.952	138.28
Base	4	12	Sx-Der	LinRespSpec	Max	24.5933	1.431	16.8817	317.073	6616.107	27.67
Base	4	12	Sy-Der	LinRespSpec	Max	5.9146	21.4516	21.4846	6074.599	1582.385	110.626
Base	4	12	Sx-Um	LinRespSpec	Max	6.1177	0.2876	4.2159	67.061	1651.627	6.755
Base	4	12	Sy-Um	LinRespSpec	Max	1.357	5.1965	5.2754	1477.717	369.358	26.294
Base	4	12	U1	Combination		1.7365	-2.1249	55.9897	40.67	346.216	2.509
Base	4	12	U2	Combination		1.8249	-2.363	61.3683	73.164	369.3	2.886
Base	4	12	U3	Combination		1.6987	-2.1599	56.3519	58.8	342.096	2.61
Base	4	12	U4	Combination		1.6987	-2.1599	56.3519	58.8	342.096	2.61
Base	4	12	U5	Combination		1.6987	-2.1599	56.3519	58.8	342.096	2.61
Base	4	12	U6	Combination		1.6987	-2.1599	56.3519	58.8	342.096	2.61
Base	4	12	U7	Combination	Max	9.9386	0.2983	63.6416	727.373	2557.979	21.628
Base	4	12	U7	Combination	Min	-6.5412	-4.6182	49.0622	-609.773	-1873.787	-16.407
Base	4	12	U8	Combination	Max	5.8526	4.6778	64.6485	1986.825	1456.845	39.775
Base	4	12	U8	Combination	Min	-2.4552	-8.9976	48.0553	-1869.225	-772.653	-34.554
Base	4	12	U9	Combination	Max	9.3841	-1.7127	61.6274	157.883	2409.633	11.257
Base	4	12	U9	Combination	Min	-5.9867	-2.6071	51.0763	-40.283	-1725.441	-6.036
Base	4	12	U10	Combination	Max	3.547	4.5437	63.0658	1957.101	836.584	37.18

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	4	12	U10	Combination	Min	-0.1496	-8.8635	49.638	-1839.5	-152.392	-31.96
Base	4	12	U11	Combination		1.1163	-1.366	35.9934	26.145	222.568	1.613
Base	4	12	U12	Combination		1.1163	-1.366	35.9934	26.145	222.568	1.613
Base	4	12	U13	Combination	Max	9.3562	1.0922	43.2831	694.718	2438.451	20.631
Base	4	12	U13	Combination	Min	-7.1236	-3.8243	28.7037	-642.428	-1993.316	-17.405
Base	4	12	U14	Combination	Max	5.2702	5.4717	44.29	1954.17	1337.317	38.777
Base	4	12	U14	Combination	Min	-3.0376	-8.2038	27.6968	-1901.88	-892.181	-35.551
Base	4	12	U15	Combination	Max	8.8017	-0.9189	41.2689	125.228	2290.105	10.26
Base	4	12	U15	Combination	Min	-6.5691	-1.8132	30.7178	-72.938	-1844.969	-7.034
Base	4	12	U16	Combination	Max	2.9646	5.3375	42.7073	1924.445	717.056	36.183
Base	4	12	U16	Combination	Min	-0.732	-8.0696	29.2795	-1872.155	-271.92	-32.957
Base	4	12	S1	Combination		1.2403	-1.5178	39.9927	29.05	247.297	1.792
Base	4	12	S2	Combination		1.4507	-1.8564	48.3533	52.99	292.637	2.252
Base	4	12	S3	Combination		1.2403	-1.5178	39.9927	29.05	247.297	1.792
Base	4	12	S4	Combination		1.3981	-1.7717	46.2632	47.005	281.302	2.137
Base	4	12	S5	Combination		1.2403	-1.5178	39.9927	29.05	247.297	1.792
Base	4	12	S6	Combination		1.2403	-1.5178	39.9927	29.05	247.297	1.792
Base	4	12	S7	Combination	Max	4.1481	3.2686	45.8003	1378.668	1027.622	27.807
Base	4	12	S7	Combination	Min	-1.6674	-6.3042	34.185	-1320.568	-533.027	-24.223
Base	4	12	S8	Combination	Max	4.1481	3.2686	45.8003	1378.668	1027.622	27.807
Base	4	12	S8	Combination	Min	-1.6674	-6.3042	34.185	-1320.568	-533.027	-24.223
Base	4	12	S9	Combination	Max	6.6201	-1.2048	43.6855	98.408	1694.573	7.845
Base	4	12	S9	Combination	Min	-4.1394	-1.8308	36.2998	-40.308	-1199.978	-4.261
Base	4	12	S10	Combination	Max	2.5341	3.1747	44.6924	1357.86	593.439	25.991
Base	4	12	S10	Combination	Min	-0.0535	-6.2103	35.2929	-1299.76	-98.844	-22.407
Base	4	12	S11	Combination		1.3981	-1.7717	46.2632	47.005	281.302	2.137
Base	4	12	S12	Combination		1.3981	-1.7717	46.2632	47.005	281.302	2.137
Base	4	12	S13	Combination	Max	5.7257	-0.4804	50.092	398.216	1445.104	12.127
Base	4	12	S13	Combination	Min	-2.9296	-3.0631	42.4343	-304.205	-882.5	-7.853
Base	4	12	S14	Combination	Max	3.58	1.8195	50.6207	1059.608	866.851	21.656
Base	4	12	S14	Combination	Min	-0.7839	-5.3629	41.9056	-965.598	-304.247	-17.382
Base	4	12	S15	Combination	Max	5.4344	-1.5369	49.0339	99.044	1367.172	6.678
Base	4	12	S15	Combination	Min	-2.6383	-2.0066	43.4925	-5.033	-804.568	-2.404
Base	4	12	S16	Combination	Max	2.3688	1.749	49.7893	1043.992	541.007	20.293
Base	4	12	S16	Combination	Min	0.4274	-5.2924	42.737	-949.982	21.597	-16.019
Base	4	12	S17	Combination		0.0744	-0.0911	2.3996	1.743	14.838	0.108
Base	4	12	S18	Combination		0.0744	-0.0911	2.3996	1.743	14.838	0.108
Base	4	12	S19	Combination	Max	5.8423	1.6297	7.5024	469.744	1565.956	13.42
Base	4	12	S19	Combination	Min	-5.6935	-1.8118	-2.7032	-466.258	-1536.28	-13.205
Base	4	12	S20	Combination	Max	2.9822	4.6953	8.2072	1351.361	795.162	26.122
Base	4	12	S20	Combination	Min	-2.8333	-4.8775	-3.4081	-1347.875	-765.486	-25.907
Base	4	12	S21	Combination	Max	5.4542	0.222	6.0924	71.101	1462.114	6.16
Base	4	12	S21	Combination	Min	-5.3054	-0.4041	-1.2933	-67.615	-1432.438	-5.945
Base	4	12	S22	Combination	Max	1.3682	4.6014	7.0993	1330.553	360.979	24.307
Base	4	12	S22	Combination	Min	-1.2194	-4.7836	-2.3002	-1327.067	-331.304	-24.092
Base	4	12	Dx	Combination	Max	26.292	-0.7289	73.2336	375.873	6958.203	30.28
Base	4	12	Dx	Combination	Min	-22.8945	-3.5909	39.4702	-258.273	-6274.01	-25.06
Base	4	12	Dy	Combination	Max	7.6133	19.2917	77.8365	6133.399	1924.482	113.236

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	4	12	Dy	Combination	Min	-4.2159	-23.6115	34.8672	-6015.798	-1240.289	-108.015
Base	4	12	Dx-1	Combination	Max	25.7096	0.065	52.8751	343.218	6838.674	29.283
Base	4	12	Dx-1	Combination	Min	-23.4769	-2.797	19.1117	-290.928	-6393.539	-26.057
Base	4	12	Dy-1	Combination	Max	7.0309	20.0855	57.478	6100.743	1804.953	112.238
Base	4	12	Dy-1	Combination	Min	-4.7983	-22.8176	14.5088	-6048.454	-1359.818	-109.013
Base	4	12	Dx-Um	Combination	Max	7.8165	-1.8724	60.5677	125.861	1993.723	9.366
Base	4	12	Dx-Um	Combination	Min	-4.419	-2.4475	52.136	-8.26	-1309.531	-4.145
Base	4	12	Dx-1 -Um	Combination	Max	7.234	-1.0785	40.2093	93.205	1874.195	8.368
Base	4	12	Dx-1 -Um	Combination	Min	-5.0014	-1.6536	31.7775	-40.916	-1429.059	-5.143
Base	4	12	Dy-Um	Combination	Max	3.0557	3.0365	61.6273	1536.517	711.454	28.905
Base	4	12	Dy-Um	Combination	Min	0.3418	-7.3564	51.0765	-1418.917	-27.262	-23.684
Base	4	12	Dy-1-Um	Combination	Max	2.4733	3.8304	41.2688	1503.862	591.926	27.907
Base	4	12	Dy-1-Um	Combination	Min	-0.2406	-6.5625	30.718	-1451.572	-146.791	-24.681
Base	5	15	Dead	LinStatic		0.0221	-2.6469	61.0738	105.739	-31.828	1.792
Base	5	15	Live	LinStatic		0.1297	-0.734	14.5287	72.81	34.839	0.46
Base	5	15	Sx-FHE	LinStatic		-39.6886	0.0761	-2.2304	33.418	-11134.295	-8.094
Base	5	15	Sy-FHE	LinStatic		-1.1021	-36.3766	24.3974	10179.153	-342.815	29.105
Base	5	15	Lr	LinStatic		0	0	0	0	0	0
Base	5	15	Sx-FHE+Exc	LinStatic		-41.2031	1.1724	-3.0917	-273.457	-11576.174	28.946
Base	5	15	Sx-FHE-Exc	LinStatic		-38.1742	-1.0201	-1.3692	340.292	-10692.416	-45.134
Base	5	15	Sy-FHE+Exc	LinStatic		1.0252	-37.9165	25.6072	10610.212	277.881	-22.924
Base	5	15	Sy-FHE-Exc	LinStatic		-3.2294	-34.8367	23.1876	9748.094	-963.511	81.134
Base	5	15	W-	LinStatic		0	0	0	0	0	0
Base	5	15	W+	LinStatic		0	0	0	0	0	0
Base	5	15	F	LinStatic		0	0	0	0	0	0
Base	5	15	He	LinStatic		0	0	0	0	0	0
Base	5	15	Sx	LinRespSpec	Max	28.5525	2.0489	1.3812	498.358	7982.759	34.587
Base	5	15	Sy	LinRespSpec	Max	7.0893	24.9247	16.8425	6971.738	1938.337	138.28
Base	5	15	Sx-Der	LinRespSpec	Max	22.842	1.6392	1.105	398.696	6386.197	27.67
Base	5	15	Sy-Der	LinRespSpec	Max	5.6715	19.9399	13.4741	5577.442	1550.693	110.626
Base	5	15	Sx-Um	LinRespSpec	Max	5.6758	0.3336	0.2662	86.151	1593.814	6.755
Base	5	15	Sy-Um	LinRespSpec	Max	1.3039	4.773	3.2406	1339.343	362.537	26.294
Base	5	15	U1	Combination		0.0309	-3.7056	85.5034	148.034	-44.56	2.509
Base	5	15	U2	Combination		0.2341	-4.3507	96.5345	243.382	17.549	2.886
Base	5	15	U3	Combination		0.1562	-3.9103	87.8173	199.696	-3.355	2.61
Base	5	15	U4	Combination		0.1562	-3.9103	87.8173	199.696	-3.355	2.61
Base	5	15	U5	Combination		0.1562	-3.9103	87.8173	199.696	-3.355	2.61
Base	5	15	U6	Combination		0.1562	-3.9103	87.8173	199.696	-3.355	2.61
Base	5	15	U7	Combination	Max	7.826	-1.5287	89.4258	847.166	2137.71	21.628
Base	5	15	U7	Combination	Min	-7.5136	-6.2919	86.2088	-447.774	-2144.42	-16.407
Base	5	15	U8	Combination	Max	4.07	2.4746	92.1315	1980.008	1079.936	39.775
Base	5	15	U8	Combination	Min	-3.7575	-10.2951	83.5031	-1580.615	-1086.646	-34.554
Base	5	15	U9	Combination	Max	7.2944	-3.3981	88.1626	324.286	1992.335	11.257
Base	5	15	U9	Combination	Min	-6.9819	-4.4225	87.472	75.107	-1999.045	-6.036
Base	5	15	U10	Combination	Max	1.9285	2.3209	92.0279	1942.631	481.23	37.18
Base	5	15	U10	Combination	Min	-1.6161	-10.1415	83.6066	-1543.238	-487.939	-31.96
Base	5	15	U11	Combination		0.0199	-2.3822	54.9664	95.165	-28.646	1.613
Base	5	15	U12	Combination		0.0199	-2.3822	54.9664	95.165	-28.646	1.613

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	5	15	U13	Combination	Max	7.6897	-0.0006	56.5749	742.635	2112.42	20.631
Base	5	15	U13	Combination	Min	-7.65	-4.7638	53.358	-552.305	-2169.711	-17.405
Base	5	15	U14	Combination	Max	3.9336	4.0027	59.2807	1875.476	1054.646	38.777
Base	5	15	U14	Combination	Min	-3.8939	-8.767	50.6522	-1685.147	-1111.937	-35.551
Base	5	15	U15	Combination	Max	7.158	-1.87	55.3117	219.755	1967.044	10.26
Base	5	15	U15	Combination	Min	-7.1183	-2.8944	54.6211	-29.425	-2024.335	-7.034
Base	5	15	U16	Combination	Max	1.7922	3.849	59.1771	1838.1	455.939	36.183
Base	5	15	U16	Combination	Min	-1.7525	-8.6134	50.7558	-1647.77	-513.23	-32.957
Base	5	15	S1	Combination		0.0221	-2.6469	61.0738	105.739	-31.828	1.792
Base	5	15	S2	Combination		0.1518	-3.3809	75.6025	178.548	3.011	2.252
Base	5	15	S3	Combination		0.0221	-2.6469	61.0738	105.739	-31.828	1.792
Base	5	15	S4	Combination		0.1194	-3.1974	71.9703	160.346	-5.699	2.137
Base	5	15	S5	Combination		0.0221	-2.6469	61.0738	105.739	-31.828	1.792
Base	5	15	S6	Combination		0.0221	-2.6469	61.0738	105.739	-31.828	1.792
Base	5	15	S7	Combination	Max	2.7617	1.8225	64.0938	1351.957	726.476	27.807
Base	5	15	S7	Combination	Min	-2.7176	-7.1163	58.0539	-1140.479	-790.132	-24.223
Base	5	15	S8	Combination	Max	2.7617	1.8225	64.0938	1351.957	726.476	27.807
Base	5	15	S8	Combination	Min	-2.7176	-7.1163	58.0539	-1140.479	-790.132	-24.223
Base	5	15	S9	Combination	Max	5.0188	-2.2883	61.3155	192.952	1365.154	7.845
Base	5	15	S9	Combination	Min	-4.9746	-3.0054	60.8321	18.526	-1428.811	-4.261
Base	5	15	S10	Combination	Max	1.2627	1.715	64.0213	1325.793	307.381	25.991
Base	5	15	S10	Combination	Min	-1.2186	-7.0087	58.1264	-1114.315	-371.037	-22.407
Base	5	15	S11	Combination		0.1194	-3.1974	71.9703	160.346	-5.699	2.137
Base	5	15	S12	Combination		0.1194	-3.1974	71.9703	160.346	-5.699	2.137
Base	5	15	S13	Combination	Max	4.1476	-1.9463	72.8153	500.467	1118.808	12.127
Base	5	15	S13	Combination	Min	-3.9089	-4.4485	71.1254	-179.775	-1130.206	-7.853
Base	5	15	S14	Combination	Max	2.1752	0.1559	74.2362	1095.371	563.325	21.656
Base	5	15	S14	Combination	Min	-1.9364	-6.5507	69.7045	-774.679	-574.723	-17.382
Base	5	15	S15	Combination	Max	3.8683	-2.9284	72.1517	225.78	1042.437	6.678
Base	5	15	S15	Combination	Min	-3.6296	-3.4664	71.789	94.912	-1053.835	-2.404
Base	5	15	S16	Combination	Max	1.0502	0.0752	74.1818	1075.735	248.805	20.293
Base	5	15	S16	Combination	Min	-0.8114	-6.47	69.7589	-755.043	-260.203	-16.019
Base	5	15	S17	Combination		0.0013	-0.1588	3.6644	6.344	-1.91	0.108
Base	5	15	S18	Combination		0.0013	-0.1588	3.6644	6.344	-1.91	0.108
Base	5	15	S19	Combination	Max	5.3702	1.5083	4.7904	459.573	1496.836	13.42
Base	5	15	S19	Combination	Min	-5.3676	-1.8259	2.5385	-446.885	-1500.655	-13.205
Base	5	15	S20	Combination	Max	2.741	4.3106	6.6844	1252.562	756.394	26.122
Base	5	15	S20	Combination	Min	-2.7383	-4.6282	0.6445	-1239.874	-760.214	-25.907
Base	5	15	S21	Combination	Max	4.998	0.1997	3.9061	93.557	1395.073	6.16
Base	5	15	S21	Combination	Min	-4.9954	-0.5174	3.4227	-80.868	-1398.893	-5.945
Base	5	15	S22	Combination	Max	1.2419	4.203	6.6119	1226.399	337.299	24.307
Base	5	15	S22	Combination	Min	-1.2393	-4.5206	0.717	-1213.71	-341.119	-24.092
Base	5	15	Dx	Combination	Max	22.9982	-2.2711	88.9222	598.392	6382.842	30.28
Base	5	15	Dx	Combination	Min	-22.6858	-5.5495	86.7123	-199	-6389.551	-25.06
Base	5	15	Dy	Combination	Max	5.8277	16.0297	101.2914	5777.138	1547.338	113.236
Base	5	15	Dy	Combination	Min	-5.5153	-23.8502	74.3431	-5377.746	-1554.047	-108.015
Base	5	15	Dx-1	Combination	Max	22.8618	-0.743	56.0714	493.861	6357.551	29.283

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	5	15	Dx-1	Combination	Min	-22.8221	-4.0214	53.8615	-303.531	-6414.842	-26.057
Base	5	15	Dy-1	Combination	Max	5.6914	17.5578	68.4406	5672.607	1522.047	112.238
Base	5	15	Dy-1	Combination	Min	-5.6516	-22.3221	41.4923	-5482.277	-1579.338	-109.013
Base	5	15	Dx-Um	Combination	Max	5.8321	-3.5767	88.0835	285.847	1590.46	9.366
Base	5	15	Dx-Um	Combination	Min	-5.5196	-4.2439	87.551	113.545	-1597.169	-4.145
Base	5	15	Dx-1 -Um	Combination	Max	5.6957	-2.0486	55.2327	181.316	1565.169	8.368
Base	5	15	Dx-1 -Um	Combination	Min	-5.656	-2.7158	54.7002	9.014	-1622.46	-5.143
Base	5	15	Dy-Um	Combination	Max	1.4601	0.8627	91.0579	1539.04	359.182	28.905
Base	5	15	Dy-Um	Combination	Min	-1.1477	-8.6833	84.5766	-1139.647	-365.891	-23.684
Base	5	15	Dy-1-Um	Combination	Max	1.3238	2.3908	58.2071	1434.508	333.891	27.907
Base	5	15	Dy-1-Um	Combination	Min	-1.284	-7.1552	51.7258	-1244.179	-391.182	-24.681
Base	6	18	Dead	LinStatic		-1.6849	-1.6156	33.6701	-38.747	2.606	1.792
Base	6	18	Live	LinStatic		-0.4946	-0.4767	7.2952	36.704	-46.534	0.46
Base	6	18	Sx-FHE	LinStatic		-33.804	-0.0503	20.324	95.005	-10367.331	-8.094
Base	6	18	Sy-FHE	LinStatic		-0.4754	-30.4564	17.908	9245.321	-261.139	29.105
Base	6	18	Lr	LinStatic		0	0	0	0	0	0
Base	6	18	Sx-FHE+Exc	LinStatic		-35.0612	1.8922	19.9075	-528.621	-10775.687	28.946
Base	6	18	Sx-FHE-Exc	LinStatic		-32.5468	-1.9927	20.7405	718.63	-9958.976	-45.134
Base	6	18	Sy-FHE+Exc	LinStatic		1.2906	-33.1849	18.4931	10121.312	312.469	-22.924
Base	6	18	Sy-FHE-Exc	LinStatic		-2.2414	-27.7279	17.323	8369.329	-834.746	81.134
Base	6	18	W-	LinStatic		0	0	0	0	0	0
Base	6	18	W+	LinStatic		0	0	0	0	0	0
Base	6	18	F	LinStatic		0	0	0	0	0	0
Base	6	18	He	LinStatic		0	0	0	0	0	0
Base	6	18	Sx	LinRespSpec	Max	24.38	2.736	15.5244	739.809	7434.722	34.587
Base	6	18	Sy	LinRespSpec	Max	5.9712	20.3476	12.8639	6145.813	1785.883	138.28
Base	6	18	Sx-Der	LinRespSpec	Max	19.504	2.1888	12.4195	591.857	5947.768	27.67
Base	6	18	Sy-Der	LinRespSpec	Max	4.777	16.2783	10.2912	4916.718	1428.729	110.626
Base	6	18	Sx-Um	LinRespSpec	Max	4.8353	0.4588	3.1134	133.394	1483.816	6.755
Base	6	18	Sy-Um	LinRespSpec	Max	1.082	3.8118	2.4866	1157.29	332.719	26.294
Base	6	18	U1	Combination		-2.3589	-2.2618	47.1381	-54.246	3.648	2.509
Base	6	18	U2	Combination		-2.8133	-2.7014	52.0765	12.23	-71.328	2.886
Base	6	18	U3	Combination		-2.5165	-2.4154	47.6993	-9.792	-43.408	2.61
Base	6	18	U4	Combination		-2.5165	-2.4154	47.6993	-9.792	-43.408	2.61
Base	6	18	U5	Combination		-2.5165	-2.4154	47.6993	-9.792	-43.408	2.61
Base	6	18	U6	Combination		-2.5165	-2.4154	47.6993	-9.792	-43.408	2.61
Base	6	18	U7	Combination	Max	4.0263	-0.2053	52.5452	636.096	1949.214	21.628
Base	6	18	U7	Combination	Min	-9.0594	-4.6255	42.8534	-655.681	-2036.029	-16.407
Base	6	18	U8	Combination	Max	0.8048	2.8767	52.0797	1582.146	960.667	39.775
Base	6	18	U8	Combination	Min	-5.8378	-7.7075	43.319	-1601.731	-1047.482	-34.554
Base	6	18	U9	Combination	Max	3.5785	-1.7314	51.5805	175.16	1815.273	11.257
Base	6	18	U9	Combination	Min	-8.6115	-3.0994	43.8182	-194.745	-1902.088	-6.036
Base	6	18	U10	Combination	Max	-1.0237	2.6715	50.9153	1526.661	403.063	37.18
Base	6	18	U10	Combination	Min	-4.0093	-7.5023	44.4834	-1546.246	-489.878	-31.96
Base	6	18	U11	Combination		-1.5164	-1.454	30.3031	-34.873	2.345	1.613
Base	6	18	U12	Combination		-1.5164	-1.454	30.3031	-34.873	2.345	1.613
Base	6	18	U13	Combination	Max	5.0264	0.756	35.149	611.016	1994.967	20.631
Base	6	18	U13	Combination	Min	-8.0593	-3.6641	25.4572	-680.761	-1990.276	-17.405

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	6	18	U14	Combination	Max	1.8049	3.8381	34.6834	1557.066	1006.42	38.777
Base	6	18	U14	Combination	Min	-4.8377	-6.7461	25.9228	-1626.811	-1001.73	-35.551
Base	6	18	U15	Combination	Max	4.5786	-0.77	34.1842	150.08	1861.026	10.26
Base	6	18	U15	Combination	Min	-7.6114	-2.138	26.422	-219.825	-1856.335	-7.034
Base	6	18	U16	Combination	Max	-0.0236	3.6329	33.5191	1501.581	448.816	36.183
Base	6	18	U16	Combination	Min	-3.0092	-6.5409	27.0871	-1571.326	-444.126	-32.957
Base	6	18	S1	Combination		-1.6849	-1.6156	33.6701	-38.747	2.606	1.792
Base	6	18	S2	Combination		-2.1795	-2.0923	40.9653	-2.043	-43.929	2.252
Base	6	18	S3	Combination		-1.6849	-1.6156	33.6701	-38.747	2.606	1.792
Base	6	18	S4	Combination		-2.0559	-1.9731	39.1415	-11.219	-32.295	2.137
Base	6	18	S5	Combination		-1.6849	-1.6156	33.6701	-38.747	2.606	1.792
Base	6	18	S6	Combination		-1.6849	-1.6156	33.6701	-38.747	2.606	1.792
Base	6	18	S7	Combination	Max	0.64	2.0889	36.7363	1075.61	705.458	27.807
Base	6	18	S7	Combination	Min	-4.0098	-5.3201	30.6039	-1153.105	-700.247	-24.223
Base	6	18	S8	Combination	Max	0.64	2.0889	36.7363	1075.61	705.458	27.807
Base	6	18	S8	Combination	Min	-4.0098	-5.3201	30.6039	-1153.105	-700.247	-24.223
Base	6	18	S9	Combination	Max	2.5816	-1.1368	36.3869	90.719	1303.682	7.845
Base	6	18	S9	Combination	Min	-5.9514	-2.0944	30.9533	-168.214	-1298.471	-4.261
Base	6	18	S10	Combination	Max	-0.64	1.9453	35.9213	1036.77	315.135	25.991
Base	6	18	S10	Combination	Min	-2.7299	-5.1764	31.4189	-1114.265	-309.924	-22.407
Base	6	18	S11	Combination		-2.0559	-1.9731	39.1415	-11.219	-32.295	2.137
Base	6	18	S12	Combination		-2.0559	-1.9731	39.1415	-11.219	-32.295	2.137
Base	6	18	S13	Combination	Max	1.3805	-0.8122	41.6867	328.063	1014.248	12.127
Base	6	18	S13	Combination	Min	-5.4922	-3.134	36.5963	-350.501	-1078.838	-7.853
Base	6	18	S14	Combination	Max	-0.3113	0.8063	41.4422	824.875	495.119	21.656
Base	6	18	S14	Combination	Min	-3.8005	-4.7525	36.8408	-847.313	-559.71	-17.382
Base	6	18	S15	Combination	Max	1.1452	-1.6139	41.1799	85.918	943.884	6.678
Base	6	18	S15	Combination	Min	-5.257	-2.3323	37.1032	-108.356	-1008.474	-2.404
Base	6	18	S16	Combination	Max	-1.2719	0.6985	40.8305	795.726	202.191	20.293
Base	6	18	S16	Combination	Min	-2.8399	-4.6447	37.4525	-818.164	-266.782	-16.019
Base	6	18	S17	Combination		-0.1011	-0.0969	2.0202	-2.325	0.156	0.108
Base	6	18	S18	Combination		-0.1011	-0.0969	2.0202	-2.325	0.156	0.108
Base	6	18	S19	Combination	Max	4.4789	1.4501	5.4123	449.797	1394.992	13.42
Base	6	18	S19	Combination	Min	-4.6811	-1.644	-1.3719	-454.447	-1394.679	-13.205
Base	6	18	S20	Combination	Max	2.2238	3.6075	5.0864	1112.032	703.009	26.122
Base	6	18	S20	Combination	Min	-2.426	-3.8014	-1.046	-1116.682	-702.696	-25.907
Base	6	18	S21	Combination	Max	4.1654	0.3819	4.737	127.142	1301.233	6.16
Base	6	18	S21	Combination	Min	-4.3676	-0.5757	-0.6966	-131.791	-1300.92	-5.945
Base	6	18	S22	Combination	Max	0.9439	3.4639	4.2714	1073.192	312.686	24.307
Base	6	18	S22	Combination	Min	-1.1461	-3.6578	-0.231	-1077.842	-312.373	-24.092
Base	6	18	Dx	Combination	Max	16.9875	-0.2266	60.1189	582.064	5904.36	30.28
Base	6	18	Dx	Combination	Min	-22.0205	-4.6042	35.2798	-601.649	-5991.175	-25.06
Base	6	18	Dy	Combination	Max	2.2605	13.8629	57.9905	4906.925	1385.321	113.236
Base	6	18	Dy	Combination	Min	-7.2936	-18.6937	37.4081	-4926.51	-1472.136	-108.015
Base	6	18	Dx-1	Combination	Max	17.9876	0.7348	42.7226	556.984	5950.113	29.283
Base	6	18	Dx-1	Combination	Min	-21.0205	-3.6428	17.8836	-626.729	-5945.423	-26.057
Base	6	18	Dy-1	Combination	Max	3.2606	14.8243	40.5943	4881.845	1431.074	112.238
Base	6	18	Dy-1	Combination	Min	-6.2935	-17.7324	20.0119	-4951.59	-1426.383	-109.013

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	6	18	Dx-Um	Combination	Max	2.3188	-1.9566	50.8127	123.601	1440.408	9.366
Base	6	18	Dx-Um	Combination	Min	-7.3518	-2.8742	44.586	-143.186	-1527.223	-4.145
Base	6	18	Dx-1 -Um	Combination	Max	3.3189	-0.9953	33.4164	98.521	1486.161	8.368
Base	6	18	Dx-1 -Um	Combination	Min	-6.3517	-1.9128	27.1897	-168.266	-1481.471	-5.143
Base	6	18	Dy-Um	Combination	Max	-1.4345	1.3965	50.1859	1147.498	289.311	28.905
Base	6	18	Dy-Um	Combination	Min	-3.5986	-6.2272	45.2127	-1167.083	-376.126	-23.684
Base	6	18	Dy-1-Um	Combination	Max	-0.4344	2.3578	32.7897	1122.418	335.064	27.907
Base	6	18	Dy-1-Um	Combination	Min	-2.5985	-5.2659	27.8165	-1192.163	-330.374	-24.681
Base	7	21	Dead	LinStatic		2.8372	0.8079	56.6493	-100.637	318.751	1.792
Base	7	21	Live	LinStatic		0.8395	0.2342	13.0507	-44.566	129.908	0.46
Base	7	21	Sx-FHE	LinStatic		-34.7597	-0.1898	-22.1339	-87.09	-10537.001	-8.094
Base	7	21	Sy-FHE	LinStatic		-0.5689	-39.039	-15.4611	11084.135	-111.089	29.105
Base	7	21	Lr	LinStatic		0	0	0	0	0	0
Base	7	21	Sx-FHE+Exc	LinStatic		-35.0641	-3.3099	-23.9784	865.678	-10614.714	28.946
Base	7	21	Sx-FHE-Exc	LinStatic		-34.4552	2.9302	-20.2894	-1039.858	-10459.287	-45.134
Base	7	21	Sy-FHE+Exc	LinStatic		-0.1412	-34.6563	-12.8701	9745.804	-1.927	-22.924
Base	7	21	Sy-FHE-Exc	LinStatic		-0.9965	-43.4216	-18.0521	12422.465	-220.252	81.134
Base	7	21	W-	LinStatic		0	0	0	0	0	0
Base	7	21	W+	LinStatic		0	0	0	0	0	0
Base	7	21	F	LinStatic		0	0	0	0	0	0
Base	7	21	He	LinStatic		0	0	0	0	0	0
Base	7	21	Sx	LinRespSpec	Max	25.5989	3.7529	15.909	978.033	7722.673	34.587
Base	7	21	Sy	LinRespSpec	Max	2.4331	35.1381	15.0404	9902.295	599.273	138.28
Base	7	21	Sx-Der	LinRespSpec	Max	20.4791	3.0024	12.7272	782.433	6178.125	27.67
Base	7	21	Sy-Der	LinRespSpec	Max	1.9465	28.1107	12.0323	7921.867	479.428	110.626
Base	7	21	Sx-Um	LinRespSpec	Max	5.0859	0.6666	3.1748	184.156	1544.079	6.755
Base	7	21	Sy-Um	LinRespSpec	Max	0.4228	6.858	2.9462	1945.053	107.583	26.294
Base	7	21	U1	Combination		3.972	1.1311	79.309	-140.892	446.252	2.509
Base	7	21	U2	Combination		4.7478	1.3442	88.8604	-192.071	590.355	2.886
Base	7	21	U3	Combination		4.2441	1.2037	81.0299	-165.331	512.41	2.61
Base	7	21	U4	Combination		4.2441	1.2037	81.0299	-165.331	512.41	2.61
Base	7	21	U5	Combination		4.2441	1.2037	81.0299	-165.331	512.41	2.61
Base	7	21	U6	Combination		4.2441	1.2037	81.0299	-165.331	512.41	2.61
Base	7	21	U7	Combination	Max	10.8263	4.7773	86.1352	821.849	2488.024	21.628
Base	7	21	U7	Combination	Min	-2.3381	-2.3699	75.9246	-1152.511	-1463.203	-16.407
Base	7	21	U8	Combination	Max	6.7723	10.2697	85.9832	2383.595	1241.429	39.775
Base	7	21	U8	Combination	Min	1.7159	-7.8623	76.0767	-2714.257	-216.609	-34.554
Base	7	21	U9	Combination	Max	10.6438	2.1419	85.0072	79.177	2443.078	11.257
Base	7	21	U9	Combination	Min	-2.1556	0.2655	77.0527	-409.839	-1418.258	-6.036
Base	7	21	U10	Combination	Max	4.8524	9.9882	84.79	2310.243	662.229	37.18
Base	7	21	U10	Combination	Min	3.6358	-7.5808	77.2698	-2640.905	362.592	-31.96
Base	7	21	U11	Combination		2.5534	0.7271	50.9844	-90.574	286.876	1.613
Base	7	21	U12	Combination		2.5534	0.7271	50.9844	-90.574	286.876	1.613
Base	7	21	U13	Combination	Max	9.1357	4.3007	56.0897	896.607	2262.49	20.631
Base	7	21	U13	Combination	Min	-4.0288	-2.8465	45.8791	-1077.754	-1688.737	-17.405
Base	7	21	U14	Combination	Max	5.0816	9.7931	55.9376	2458.353	1015.895	38.777
Base	7	21	U14	Combination	Min	0.0253	-8.3389	46.0311	-2639.5	-442.142	-35.551
Base	7	21	U15	Combination	Max	8.9532	1.6654	54.9616	153.935	2217.544	10.26

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	7	21	U15	Combination	Min	-3.8463	-0.2111	47.0071	-335.082	-1643.792	-7.034
Base	7	21	U16	Combination	Max	3.1617	9.5117	54.7445	2385	436.695	36.183
Base	7	21	U16	Combination	Min	1.9452	-8.0574	47.2243	-2566.148	137.058	-32.957
Base	7	21	S1	Combination		2.8372	0.8079	56.6493	-100.637	318.751	1.792
Base	7	21	S2	Combination		3.6767	1.0421	69.7001	-145.203	448.66	2.252
Base	7	21	S3	Combination		2.8372	0.8079	56.6493	-100.637	318.751	1.792
Base	7	21	S4	Combination		3.4668	0.9836	66.4374	-134.062	416.183	2.137
Base	7	21	S5	Combination		2.8372	0.8079	56.6493	-100.637	318.751	1.792
Base	7	21	S6	Combination		2.8372	0.8079	56.6493	-100.637	318.751	1.792
Base	7	21	S7	Combination	Max	4.6069	7.1541	60.1166	1683.611	829.065	27.807
Base	7	21	S7	Combination	Min	1.0674	-5.5383	53.182	-1884.886	-191.562	-24.223
Base	7	21	S8	Combination	Max	4.6069	7.1541	60.1166	1683.611	829.065	27.807
Base	7	21	S8	Combination	Min	1.0674	-5.5383	53.182	-1884.886	-191.562	-24.223
Base	7	21	S9	Combination	Max	7.317	1.4647	59.4334	70.518	1670.219	7.845
Base	7	21	S9	Combination	Min	-1.6427	0.1512	53.8652	-271.793	-1032.716	-4.261
Base	7	21	S10	Combination	Max	3.2629	6.9571	59.2814	1632.264	423.624	25.991
Base	7	21	S10	Combination	Min	2.4114	-5.3413	54.0173	-1833.539	213.879	-22.407
Base	7	21	S11	Combination		3.4668	0.9836	66.4374	-134.062	416.183	2.137
Base	7	21	S12	Combination		3.4668	0.9836	66.4374	-134.062	416.183	2.137
Base	7	21	S13	Combination	Max	6.9238	2.8608	69.1188	384.504	1453.781	12.127
Base	7	21	S13	Combination	Min	0.0098	-0.8936	63.7559	-652.628	-621.416	-7.853
Base	7	21	S14	Combination	Max	4.7948	5.7451	69.039	1204.644	799.141	21.656
Base	7	21	S14	Combination	Min	2.1387	-3.7779	63.8358	-1472.768	33.225	-17.382
Base	7	21	S15	Combination	Max	6.8279	1.4763	68.5262	-5.646	1430.17	6.678
Base	7	21	S15	Combination	Min	0.1056	0.4908	64.3485	-262.478	-597.804	-2.404
Base	7	21	S16	Combination	Max	3.7862	5.5972	68.4122	1166.109	494.867	20.293
Base	7	21	S16	Combination	Min	3.1473	-3.6301	64.4626	-1434.233	337.498	-16.019
Base	7	21	S17	Combination		0.1702	0.0485	3.399	-6.038	19.125	0.108
Base	7	21	S18	Combination		0.1702	0.0485	3.399	-6.038	19.125	0.108
Base	7	21	S19	Combination	Max	4.7778	2.55	6.9727	684.988	1402.055	13.42
Base	7	21	S19	Combination	Min	-4.4373	-2.453	-0.1747	-697.064	-1363.804	-13.205
Base	7	21	S20	Combination	Max	1.94	6.3947	6.8662	1778.21	529.438	26.122
Base	7	21	S20	Combination	Min	-1.5995	-6.2977	-0.0683	-1790.287	-491.188	-25.907
Base	7	21	S21	Combination	Max	4.65	0.7052	6.183	165.117	1370.593	6.16
Base	7	21	S21	Combination	Min	-4.3096	-0.6083	0.6149	-177.194	-1332.343	-5.945
Base	7	21	S22	Combination	Max	0.596	6.1977	6.031	1726.863	123.998	24.307
Base	7	21	S22	Combination	Min	-0.2556	-6.1007	0.7669	-1738.94	-85.748	-24.092
Base	7	21	Dx	Combination	Max	24.7232	4.2061	93.7571	617.102	6690.535	30.28
Base	7	21	Dx	Combination	Min	-16.235	-1.7987	68.3027	-947.764	-5665.715	-25.06
Base	7	21	Dy	Combination	Max	6.1906	29.3144	93.0623	7756.536	991.838	113.236
Base	7	21	Dy	Combination	Min	2.2976	-26.9069	68.9976	-8087.198	32.982	-108.015
Base	7	21	Dx-1	Combination	Max	23.0326	3.7295	63.7116	691.859	6465.001	29.283
Base	7	21	Dx-1	Combination	Min	-17.9257	-2.2753	38.2572	-873.007	-5891.249	-26.057
Base	7	21	Dy-1	Combination	Max	4.4999	28.8378	63.0167	7831.294	766.304	112.238
Base	7	21	Dy-1	Combination	Min	0.6069	-27.3835	38.952	-8012.441	-192.552	-109.013
Base	7	21	Dx-Um	Combination	Max	9.33	1.8703	84.2047	18.825	2056.49	9.366
Base	7	21	Dx-Um	Combination	Min	-0.8419	0.5371	77.8551	-349.487	-1031.669	-4.145
Base	7	21	Dx-1 -Um	Combination	Max	7.6394	1.3937	54.1592	93.582	1830.956	8.368

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	7	21	Dx-1 -Um	Combination	Min	-2.5325	0.0605	47.8096	-274.729	-1257.203	-5.143
Base	7	21	Dy-Um	Combination	Max	4.6669	8.0617	83.9761	1779.722	619.993	28.905
Base	7	21	Dy-Um	Combination	Min	3.8213	-5.6543	78.0837	-2110.384	404.828	-23.684
Base	7	21	Dy-1-Um	Combination	Max	2.9763	7.5852	53.9306	1854.479	394.459	27.907
Base	7	21	Dy-1-Um	Combination	Min	2.1306	-6.1309	48.0382	-2035.626	179.294	-24.681
Base	8	24	Dead	LinStatic		0.6428	1.9951	93.8387	-264.905	198.399	1.792
Base	8	24	Live	LinStatic		0.1472	0.6053	23.4965	-95.388	39.676	0.46
Base	8	24	Sx-FHE	LinStatic		-42.0381	0.7373	-3.7891	-164.818	-11485.62	-8.094
Base	8	24	Sy-FHE	LinStatic		-0.5558	-47.2693	-13.2188	12001.83	-109.389	29.105
Base	8	24	Lr	LinStatic		0	0	0	0	0	0
Base	8	24	Sx-FHE+Exc	LinStatic		-42.339	-1.7943	-4.8799	513.992	-11562.881	28.946
Base	8	24	Sx-FHE-Exc	LinStatic		-41.7371	3.2688	-2.6984	-843.628	-11408.36	-45.134
Base	8	24	Sy-FHE+Exc	LinStatic		-0.1331	-43.7134	-11.6866	11048.322	-0.863	-22.924
Base	8	24	Sy-FHE-Exc	LinStatic		-0.9786	-50.8253	-14.751	12955.338	-217.914	81.134
Base	8	24	W-	LinStatic		0	0	0	0	0	0
Base	8	24	W+	LinStatic		0	0	0	0	0	0
Base	8	24	F	LinStatic		0	0	0	0	0	0
Base	8	24	He	LinStatic		0	0	0	0	0	0
Base	8	24	Sx	LinRespSpec	Max	30.8932	3.3239	2.6268	773.609	8418.593	34.587
Base	8	24	Sy	LinRespSpec	Max	2.6029	38.8917	11.6986	9866.888	622.837	138.28
Base	8	24	Sx-Der	LinRespSpec	Max	24.7145	2.6592	2.1015	618.891	6734.86	27.67
Base	8	24	Sy-Der	LinRespSpec	Max	2.0824	31.1135	9.3589	7893.543	498.279	110.626
Base	8	24	Sx-Um	LinRespSpec	Max	6.1565	0.6136	0.5082	146.933	1684.249	6.755
Base	8	24	Sy-Um	LinRespSpec	Max	0.4548	7.6154	2.2826	1937.456	111.986	26.294
Base	8	24	U1	Combination		0.8999	2.7931	131.3741	-370.867	277.759	2.509
Base	8	24	U2	Combination		1.0068	3.3626	150.2008	-470.507	301.561	2.886
Base	8	24	U3	Combination		0.9185	2.9994	136.1029	-413.274	277.755	2.61
Base	8	24	U4	Combination		0.9185	2.9994	136.1029	-413.274	277.755	2.61
Base	8	24	U5	Combination		0.9185	2.9994	136.1029	-413.274	277.755	2.61
Base	8	24	U6	Combination		0.9185	2.9994	136.1029	-413.274	277.755	2.61
Base	8	24	U7	Combination	Max	8.837	6.7473	137.637	520.145	2429.116	21.628
Base	8	24	U7	Combination	Min	-7	-0.7484	134.5688	-1346.693	-1873.606	-16.407
Base	8	24	U8	Combination	Max	3.8863	12.9716	139.2246	2111.469	1064.859	39.775
Base	8	24	U8	Combination	Min	-2.0492	-6.9728	132.9813	-2938.017	-509.349	-34.554
Base	8	24	U9	Combination	Max	8.6418	3.8304	136.7596	-219.872	2382.403	11.257
Base	8	24	U9	Combination	Min	-6.8048	2.1684	135.4462	-606.676	-1826.893	-6.036
Base	8	24	U10	Combination	Max	1.5693	12.7223	139.0275	2053.448	433.464	37.18

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	8	24	U10	Combination	Min	0.2678	-6.7235	133.1783	-2879.996	122.046	-31.96
Base	8	24	U11	Combination		0.5785	1.7956	84.4548	-238.415	178.559	1.613
Base	8	24	U12	Combination		0.5785	1.7956	84.4548	-238.415	178.559	1.613
Base	8	24	U13	Combination	Max	8.497	5.5434	85.9889	695.004	2329.92	20.631
Base	8	24	U13	Combination	Min	-7.34	-1.9523	82.9207	-1171.833	-1972.802	-17.405
Base	8	24	U14	Combination	Max	3.5462	11.7678	87.5765	2286.328	965.663	38.777
Base	8	24	U14	Combination	Min	-2.3892	-8.1767	81.3332	-2763.157	-608.545	-35.551
Base	8	24	U15	Combination	Max	8.3018	2.6265	85.1115	-45.012	2283.208	10.26
Base	8	24	U15	Combination	Min	-7.1448	0.9646	83.7981	-431.817	-1926.089	-7.034
Base	8	24	U16	Combination	Max	1.2292	11.5185	87.3794	2228.308	334.269	36.183
Base	8	24	U16	Combination	Min	-0.0722	-7.9274	81.5302	-2705.137	22.85	-32.957
Base	8	24	S1	Combination		0.6428	1.9951	93.8387	-264.905	198.399	1.792
Base	8	24	S2	Combination		0.79	2.6004	117.3352	-360.293	238.075	2.252
Base	8	24	S3	Combination		0.6428	1.9951	93.8387	-264.905	198.399	1.792
Base	8	24	S4	Combination		0.7532	2.4491	111.461	-336.446	228.156	2.137
Base	8	24	S5	Combination		0.6428	1.9951	93.8387	-264.905	198.399	1.792
Base	8	24	S6	Combination		0.6428	1.9951	93.8387	-264.905	198.399	1.792
Base	8	24	S7	Combination	Max	2.7202	8.9756	96.0238	1502.415	749.372	27.807
Base	8	24	S7	Combination	Min	-1.4346	-4.9855	91.6535	-2032.225	-352.573	-24.223
Base	8	24	S8	Combination	Max	2.7202	8.9756	96.0238	1502.415	749.372	27.807
Base	8	24	S8	Combination	Min	-1.4346	-4.9855	91.6535	-2032.225	-352.573	-24.223
Base	8	24	S9	Combination	Max	6.0491	2.5767	94.2984	-129.523	1671.653	7.845
Base	8	24	S9	Combination	Min	-4.7635	1.4134	93.379	-400.287	-1274.855	-4.261
Base	8	24	S10	Combination	Max	1.0983	8.8011	95.8859	1461.8	307.396	25.991
Base	8	24	S10	Combination	Min	0.1873	-4.811	91.7914	-1991.611	89.403	-22.407
Base	8	24	S11	Combination		0.7532	2.4491	111.461	-336.446	228.156	2.137
Base	8	24	S12	Combination		0.7532	2.4491	111.461	-336.446	228.156	2.137
Base	8	24	S13	Combination	Max	4.912	4.4178	112.2669	153.884	1358.057	12.127
Base	8	24	S13	Combination	Min	-3.4057	0.4803	110.6552	-826.776	-901.745	-7.853
Base	8	24	S14	Combination	Max	2.3121	7.6865	113.1006	989.557	641.627	21.656
Base	8	24	S14	Combination	Min	-0.8058	-2.7884	109.8215	-1662.449	-185.315	-17.382
Base	8	24	S15	Combination	Max	4.8095	2.8855	111.806	-234.871	1333.518	6.678
Base	8	24	S15	Combination	Min	-3.3031	2.0126	111.1161	-438.021	-877.205	-2.404
Base	8	24	S16	Combination	Max	1.0949	7.5556	112.9971	959.077	309.935	20.293
Base	8	24	S16	Combination	Min	0.4114	-2.6574	109.925	-1631.968	146.378	-16.019
Base	8	24	S17	Combination		0.0386	0.1197	5.6303	-15.894	11.904	0.108
Base	8	24	S18	Combination		0.0386	0.1197	5.6303	-15.894	11.904	0.108
Base	8	24	S19	Combination	Max	5.5815	2.7432	6.7042	637.499	1517.857	13.42
Base	8	24	S19	Combination	Min	-5.5044	-2.5038	4.5564	-669.288	-1494.049	-13.205
Base	8	24	S20	Combination	Max	2.116	7.1003	7.8155	1751.426	562.877	26.122
Base	8	24	S20	Combination	Min	-2.0388	-6.8608	3.4452	-1783.214	-539.069	-25.907

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	8	24	S21	Combination	Max	5.4449	0.7014	6.09	119.487	1485.158	6.16
Base	8	24	S21	Combination	Min	-5.3677	-0.462	5.1706	-151.276	-1461.35	-5.945
Base	8	24	S22	Combination	Max	0.4941	6.9258	7.6776	1710.811	120.901	24.307
Base	8	24	S22	Combination	Min	-0.4169	-6.6863	3.5831	-1742.6	-97.093	-24.092
Base	8	24	Dx	Combination	Max	25.6331	5.6586	138.2044	205.617	7012.615	30.28
Base	8	24	Dx	Combination	Min	-23.796	0.3403	134.0014	-1032.165	-6457.105	-25.06
Base	8	24	Dy	Combination	Max	3.0009	34.1129	145.4618	7480.269	776.035	113.236
Base	8	24	Dy	Combination	Min	-1.1639	-28.1141	126.744	-8306.817	-220.524	-108.015
Base	8	24	Dx-1	Combination	Max	25.293	4.4547	86.5563	380.477	6913.419	29.283
Base	8	24	Dx-1	Combination	Min	-24.136	-0.8636	82.3533	-857.306	-6556.3	-26.057
Base	8	24	Dy-1	Combination	Max	2.6609	32.9091	93.8137	7655.128	676.839	112.238
Base	8	24	Dy-1	Combination	Min	-1.5039	-29.3179	75.0959	-8131.958	-319.72	-109.013
Base	8	24	Dx-Um	Combination	Max	7.075	3.613	136.6111	-266.341	1962.004	9.366
Base	8	24	Dx-Um	Combination	Min	-5.238	2.3858	135.5947	-560.207	-1406.494	-4.145
Base	8	24	Dx-1 -Um	Combination	Max	6.735	2.4092	84.963	-91.482	1862.808	8.368
Base	8	24	Dx-1 -Um	Combination	Min	-5.578	1.182	83.9466	-385.347	-1505.69	-5.143
Base	8	24	Dy-Um	Combination	Max	1.3734	10.6149	138.3855	1524.182	389.741	28.905
Base	8	24	Dy-Um	Combination	Min	0.4637	-4.616	133.8203	-2350.73	165.769	-23.684
Base	8	24	Dy-1-Um	Combination	Max	1.0334	9.411	86.7374	1699.042	290.546	27.907
Base	8	24	Dy-1-Um	Combination	Min	0.1237	-5.8199	82.1722	-2175.871	66.573	-24.681
Base	9	27	Dead	LinStatic		-0.6277	1.2515	72.5478	-89.889	53.906	1.792
Base	9	27	Live	LinStatic		-0.1735	0.4566	17.5901	-78.159	-2.115	0.46
Base	9	27	Sx-FHE	LinStatic		-45.1077	-0.0944	-19.538	-18.494	-11885.696	-8.094
Base	9	27	Sy-FHE	LinStatic		-0.4762	-37.5886	-30.8095	10603.712	-99.007	29.105
Base	9	27	Lr	LinStatic		0	0	0	0	0	0
Base	9	27	Sx-FHE+Exc	LinStatic		-45.396	-1.0174	-20.8194	277.081	-11961.305	28.946
Base	9	27	Sx-FHE-Exc	LinStatic		-44.8194	0.8285	-18.2567	-314.068	-11810.087	-45.134
Base	9	27	Sy-FHE+Exc	LinStatic		-0.0712	-36.2922	-29.0096	10188.526	7.199	-22.924
Base	9	27	Sy-FHE-Exc	LinStatic		-0.8811	-38.8851	-32.6093	11018.898	-205.214	81.134
Base	9	27	W-	LinStatic		0	0	0	0	0	0
Base	9	27	W+	LinStatic		0	0	0	0	0	0
Base	9	27	F	LinStatic		0	0	0	0	0	0
Base	9	27	He	LinStatic		0	0	0	0	0	0
Base	9	27	Sx	LinRespSpec	Max	33.1378	2.0509	14.303	474.83	8712.952	34.587
Base	9	27	Sy	LinRespSpec	Max	2.6167	28.8519	24.6346	8126.029	624.699	138.28
Base	9	27	Sx-Der	LinRespSpec	Max	26.5102	1.6408	11.4424	379.87	6970.346	27.67
Base	9	27	Sy-Der	LinRespSpec	Max	2.0934	23.0816	19.7078	6500.856	499.769	110.626
Base	9	27	Sx-Um	LinRespSpec	Max	6.6101	0.3428	2.8533	84.479	1743.556	6.755
Base	9	27	Sy-Um	LinRespSpec	Max	0.4565	5.6162	4.8316	1588.779	112.225	26.294
Base	9	27	U1	Combination		-0.8788	1.7521	101.5669	-125.845	75.469	2.509

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	9	27	U2	Combination		-1.0308	2.2324	115.2016	-232.922	61.303	2.886
Base	9	27	U3	Combination		-0.9267	1.9584	104.6475	-186.027	62.572	2.61
Base	9	27	U4	Combination		-0.9267	1.9584	104.6475	-186.027	62.572	2.61
Base	9	27	U5	Combination		-0.9267	1.9584	104.6475	-186.027	62.572	2.61
Base	9	27	U6	Combination		-0.9267	1.9584	104.6475	-186.027	62.572	2.61
Base	9	27	U7	Combination	Max	7.554	4.635	110.0708	542.133	2287.663	21.628
Base	9	27	U7	Combination	Min	-9.4074	-0.7182	99.2241	-914.186	-2162.518	-16.407
Base	9	27	U8	Combination	Max	2.2128	9.3252	111.8789	1881.093	872.218	39.775
Base	9	27	U8	Combination	Min	-4.0663	-5.4084	97.4161	-2253.146	-747.074	-34.554
Base	9	27	U9	Combination	Max	7.3577	2.4711	108.2232	-67.319	2240.81	11.257
Base	9	27	U9	Combination	Min	-9.2112	1.4457	101.0717	-304.734	-2115.666	-6.036
Base	9	27	U10	Combination	Max	-0.2725	9.1714	110.8061	1845.481	218.747	37.18
Base	9	27	U10	Combination	Min	-1.5809	-5.2546	98.4888	-2217.534	-93.602	-31.96
Base	9	27	U11	Combination		-0.5649	1.1263	65.293	-80.9	48.515	1.613
Base	9	27	U12	Combination		-0.5649	1.1263	65.293	-80.9	48.515	1.613
Base	9	27	U13	Combination	Max	7.9158	3.803	70.7164	647.259	2273.606	20.631
Base	9	27	U13	Combination	Min	-9.0457	-1.5503	59.8697	-809.06	-2176.575	-17.405
Base	9	27	U14	Combination	Max	2.5746	8.4931	72.5244	1986.219	858.162	38.777
Base	9	27	U14	Combination	Min	-3.7045	-6.2405	58.0616	-2148.02	-761.131	-35.551
Base	9	27	U15	Combination	Max	7.7195	1.6391	68.8688	37.807	2226.753	10.26
Base	9	27	U15	Combination	Min	-8.8494	0.6136	61.7172	-199.608	-2129.722	-7.034
Base	9	27	U16	Combination	Max	0.0892	8.3393	71.4517	1950.607	204.69	36.183
Base	9	27	U16	Combination	Min	-1.2191	-6.0866	59.1344	-2112.408	-107.659	-32.957
Base	9	27	S1	Combination		-0.6277	1.2515	72.5478	-89.889	53.906	1.792
Base	9	27	S2	Combination		-0.8012	1.7081	90.1379	-168.049	51.791	2.252
Base	9	27	S3	Combination		-0.6277	1.2515	72.5478	-89.889	53.906	1.792
Base	9	27	S4	Combination		-0.7578	1.5939	85.7404	-148.509	52.32	2.137
Base	9	27	S5	Combination		-0.6277	1.2515	72.5478	-89.889	53.906	1.792
Base	9	27	S6	Combination		-0.6277	1.2515	72.5478	-89.889	53.906	1.792
Base	9	27	S7	Combination	Max	1.5699	6.4082	77.6098	1357.094	620.658	27.807
Base	9	27	S7	Combination	Min	-2.8254	-3.9053	67.4858	-1536.873	-512.846	-24.223
Base	9	27	S8	Combination	Max	1.5699	6.4082	77.6098	1357.094	620.658	27.807
Base	9	27	S8	Combination	Min	-2.8254	-3.9053	67.4858	-1536.873	-512.846	-24.223
Base	9	27	S9	Combination	Max	5.1714	1.6104	75.0508	-6.794	1578.673	7.845
Base	9	27	S9	Combination	Min	-6.4268	0.8926	70.0448	-172.985	-1470.86	-4.261
Base	9	27	S10	Combination	Max	-0.1698	6.3006	76.8588	1332.166	163.228	25.991
Base	9	27	S10	Combination	Min	-1.0856	-3.7976	68.2367	-1511.944	-55.416	-22.407
Base	9	27	S11	Combination		-0.7578	1.5939	85.7404	-148.509	52.32	2.137
Base	9	27	S12	Combination		-0.7578	1.5939	85.7404	-148.509	52.32	2.137

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	9	27	S13	Combination	Max	3.6963	3	88.589	234.002	1220.943	12.127
Base	9	27	S13	Combination	Min	-5.2119	0.1879	82.8918	-531.02	-1116.304	-7.853
Base	9	27	S14	Combination	Max	0.8914	5.463	89.5385	937.147	477.633	21.656
Base	9	27	S14	Combination	Min	-2.407	-2.2751	81.9423	-1234.165	-372.993	-17.382
Base	9	27	S15	Combination	Max	3.5932	1.8632	87.6184	-86.164	1196.33	6.678
Base	9	27	S15	Combination	Min	-5.1088	1.3247	83.8624	-210.854	-1091.691	-2.404
Base	9	27	S16	Combination	Max	-0.4142	5.3822	88.9749	918.439	134.343	20.293
Base	9	27	S16	Combination	Min	-1.1014	-2.1943	82.5059	-1215.456	-29.703	-16.019
Base	9	27	S17	Combination		-0.0377	0.0751	4.3529	-5.393	3.234	0.108
Base	9	27	S18	Combination		-0.0377	0.0751	4.3529	-5.393	3.234	0.108
Base	9	27	S19	Combination	Max	5.8988	1.9487	8.1492	504.318	1560.798	13.42
Base	9	27	S19	Combination	Min	-5.9742	-1.7985	0.5565	-515.105	-1554.329	-13.205
Base	9	27	S20	Combination	Max	2.16	5.2318	9.4148	1441.59	569.987	26.122
Base	9	27	S20	Combination	Min	-2.2353	-5.0817	-0.7091	-1452.377	-563.518	-25.907
Base	9	27	S21	Combination	Max	5.7615	0.434	6.8559	77.702	1528.001	6.16
Base	9	27	S21	Combination	Min	-5.8368	-0.2838	1.8498	-88.489	-1521.532	-5.945
Base	9	27	S22	Combination	Max	0.4203	5.1242	8.6639	1416.662	112.557	24.307
Base	9	27	S22	Combination	Min	-0.4956	-4.974	0.0418	-1427.448	-106.088	-24.092
Base	9	27	Dx	Combination	Max	25.5835	3.5992	116.0899	193.843	7032.918	30.28
Base	9	27	Dx	Combination	Min	-27.4369	0.3176	93.2051	-565.896	-6907.773	-25.06
Base	9	27	Dy	Combination	Max	1.1667	25.04	124.3552	6314.83	562.341	113.236
Base	9	27	Dy	Combination	Min	-3.0202	-21.1232	84.9397	-6686.883	-437.197	-108.015
Base	9	27	Dx-1	Combination	Max	25.9452	2.7671	76.7354	298.969	7018.861	29.283
Base	9	27	Dx-1	Combination	Min	-27.0751	-0.5145	53.8506	-460.77	-6921.83	-26.057
Base	9	27	Dy-1	Combination	Max	1.5285	24.208	85.0008	6419.956	548.284	112.238
Base	9	27	Dy-1	Combination	Min	-2.6584	-21.9553	45.5853	-6581.757	-451.253	-109.013
Base	9	27	Dx-Um	Combination	Max	5.6833	2.3012	107.5008	-101.548	1806.128	9.366
Base	9	27	Dx-Um	Combination	Min	-7.5368	1.6156	101.7942	-270.505	-1680.984	-4.145
Base	9	27	Dx-1 -Um	Combination	Max	6.0451	1.4692	68.1463	3.578	1792.072	8.368
Base	9	27	Dx-1 -Um	Combination	Min	-7.175	0.7835	62.4397	-165.379	-1695.041	-5.143
Base	9	27	Dy-Um	Combination	Max	-0.4702	7.5746	109.4791	1402.753	174.797	28.905
Base	9	27	Dy-Um	Combination	Min	-1.3832	-3.6578	99.8159	-1774.806	-49.653	-23.684
Base	9	27	Dy-1-Um	Combination	Max	-0.1084	6.7425	70.1246	1507.879	160.741	27.907
Base	9	27	Dy-1-Um	Combination	Min	-1.0215	-4.4898	60.4614	-1669.68	-63.71	-24.681
Base	10	30	Dead	LinStatic		3.8142	0.0953	81.0448	-85.464	592.743	1.792
Base	10	30	Live	LinStatic		0.8548	-0.0078	18.837	-19.171	131.897	0.46
Base	10	30	Sx-FHE	LinStatic		-46.7601	-0.329	22.6919	39.095	-12101.061	-8.094
Base	10	30	Sy-FHE	LinStatic		-0.2636	-38.0705	-26.9364	10569.383	-71.308	29.105
Base	10	30	Lr	LinStatic		0	0	0	0	0	0
Base	10	30	Sx-FHE+Exc	LinStatic		-47.0537	-0.4846	22.3366	111.037	-12177.357	28.946
Base	10	30	Sx-FHE-Exc	LinStatic		-46.4666	-0.1735	23.0472	-32.848	-12024.764	-45.134
Base	10	30	Sy-FHE+Exc	LinStatic		0.1487	-37.852	-26.4373	10468.327	35.864	-22.924
Base	10	30	Sy-FHE-Exc	LinStatic		-0.676	-38.289	-27.4354	10670.439	-178.48	81.134
Base	10	30	W-	LinStatic		0	0	0	0	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	10	30	W+	LinStatic		0	0	0	0	0	0
Base	10	30	F	LinStatic		0	0	0	0	0	0
Base	10	30	He	LinStatic		0	0	0	0	0	0
Base	10	30	Sx	LinRespSpec	Max	34.3362	1.8391	16.9398	402.272	8870.346	34.587
Base	10	30	Sy	LinRespSpec	Max	2.5876	27.7985	19.771	7722.39	620.981	138.28
Base	10	30	Sx-Der	LinRespSpec	Max	27.4689	1.4714	13.5518	321.825	7096.261	27.67
Base	10	30	Sy-Der	LinRespSpec	Max	2.0701	22.2389	15.8169	6177.95	496.794	110.626
Base	10	30	Sx-Um	LinRespSpec	Max	6.8531	0.2979	3.4079	68.107	1775.366	6.755
Base	10	30	Sy-Um	LinRespSpec	Max	0.4497	5.3895	3.8604	1502.991	111.346	26.294
Base	10	30	U1	Combination		5.3399	0.1335	113.4627	-119.649	829.84	2.509
Base	10	30	U2	Combination		5.9446	0.102	127.393	-133.23	922.327	2.886
Base	10	30	U3	Combination		5.4318	0.1066	116.0908	-121.727	843.188	2.61
Base	10	30	U4	Combination		5.4318	0.1066	116.0908	-121.727	843.188	2.61
Base	10	30	U5	Combination		5.4318	0.1066	116.0908	-121.727	843.188	2.61
Base	10	30	U6	Combination		5.4318	0.1066	116.0908	-121.727	843.188	2.61
Base	10	30	U7	Combination	Max	14.2099	2.6513	121.8085	558.02	3107.349	21.628
Base	10	30	U7	Combination	Min	-3.3463	-2.438	110.373	-801.475	-1420.972	-16.407
Base	10	30	U8	Combination	Max	8.6539	7.1942	122.304	1839.04	1663.71	39.775
Base	10	30	U8	Combination	Min	2.2097	-6.9809	109.8775	-2082.495	22.667	-34.554
Base	10	30	U9	Combination	Max	14.0158	0.5664	120.3257	-21.159	3060.775	11.257
Base	10	30	U9	Combination	Min	-3.1523	-0.3532	111.8558	-222.296	-1374.398	-6.036
Base	10	30	U10	Combination	Max	6.0787	7.0563	121.0335	1808.87	998.434	37.18
Base	10	30	U10	Combination	Min	4.7849	-6.843	111.148	-2052.325	687.943	-31.96
Base	10	30	U11	Combination		3.4328	0.0858	72.9403	-76.917	533.468	1.613
Base	10	30	U12	Combination		3.4328	0.0858	72.9403	-76.917	533.468	1.613
Base	10	30	U13	Combination	Max	12.2109	2.6305	78.6581	602.83	2797.628	20.631
Base	10	30	U13	Combination	Min	-5.3454	-2.4589	67.2225	-756.665	-1730.692	-17.405
Base	10	30	U14	Combination	Max	6.6549	7.1734	79.1535	1883.85	1353.989	38.777
Base	10	30	U14	Combination	Min	0.2107	-7.0018	66.7271	-2037.685	-287.053	-35.551
Base	10	30	U15	Combination	Max	12.0168	0.5456	77.1752	23.651	2751.055	10.26
Base	10	30	U15	Combination	Min	-5.1513	-0.374	68.7054	-177.486	-1684.118	-7.034
Base	10	30	U16	Combination	Max	4.0797	7.0354	77.883	1853.68	688.714	36.183
Base	10	30	U16	Combination	Min	2.7859	-6.8638	67.9975	-2007.515	378.223	-32.957
Base	10	30	S1	Combination		3.8142	0.0953	81.0448	-85.464	592.743	1.792
Base	10	30	S2	Combination		4.6689	0.0876	99.8818	-104.635	724.64	2.252
Base	10	30	S3	Combination		3.8142	0.0953	81.0448	-85.464	592.743	1.792
Base	10	30	S4	Combination		4.4553	0.0895	95.1726	-99.842	691.666	2.137
Base	10	30	S5	Combination		3.8142	0.0953	81.0448	-85.464	592.743	1.792
Base	10	30	S6	Combination		3.8142	0.0953	81.0448	-85.464	592.743	1.792

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	10	30	S7	Combination	Max	6.0697	5.0566	85.394	1287.074	1167.107	27.807
Base	10	30	S7	Combination	Min	1.5587	-4.866	76.6955	-1458.001	18.378	-24.223
Base	10	30	S8	Combination	Max	6.0697	5.0566	85.394	1287.074	1167.107	27.807
Base	10	30	S8	Combination	Min	1.5587	-4.866	76.6955	-1458.001	18.378	-24.223
Base	10	30	S9	Combination	Max	9.823	0.4172	84.0092	-15.066	2145.053	7.845
Base	10	30	S9	Combination	Min	-2.1947	-0.2265	78.0803	-155.862	-959.568	-4.261
Base	10	30	S10	Combination	Max	4.267	4.9601	84.5047	1265.954	701.414	25.991
Base	10	30	S10	Combination	Min	3.3614	-4.7694	77.5848	-1436.882	484.071	-22.407
Base	10	30	S11	Combination		4.4553	0.0895	95.1726	-99.842	691.666	2.137
Base	10	30	S12	Combination		4.4553	0.0895	95.1726	-99.842	691.666	2.137
Base	10	30	S13	Combination	Max	9.0655	1.4262	98.1757	257.239	1880.809	12.127
Base	10	30	S13	Combination	Min	-0.155	-1.2472	92.1694	-456.923	-497.478	-7.853
Base	10	30	S14	Combination	Max	6.1478	3.8119	98.4359	929.957	1122.692	21.656
Base	10	30	S14	Combination	Min	2.7627	-3.6329	91.9092	-1129.641	260.639	-17.382
Base	10	30	S15	Combination	Max	8.9636	0.331	97.3967	-47.024	1856.342	6.678
Base	10	30	S15	Combination	Min	-0.0531	-0.152	92.9484	-152.66	-473.011	-2.404
Base	10	30	S16	Combination	Max	4.795	3.7394	97.7685	914.108	773.2	20.293
Base	10	30	S16	Combination	Min	4.1155	-3.5604	92.5766	-1113.792	610.131	-16.019
Base	10	30	S17	Combination		0.2289	0.0057	4.8627	-5.128	35.565	0.108
Base	10	30	S18	Combination		0.2289	0.0057	4.8627	-5.128	35.565	0.108
Base	10	30	S19	Combination	Max	6.3735	1.787	8.8651	470.695	1620.477	13.42
Base	10	30	S19	Combination	Min	-5.9158	-1.7756	0.8603	-480.951	-1549.348	-13.205
Base	10	30	S20	Combination	Max	2.4843	4.967	9.212	1367.41	609.929	26.122
Base	10	30	S20	Combination	Min	-2.0266	-4.9556	0.5134	-1377.665	-538.8	-25.907
Base	10	30	S21	Combination	Max	6.2377	0.3276	7.8271	65.27	1587.875	6.16
Base	10	30	S21	Combination	Min	-5.78	-0.3161	1.8982	-75.525	-1516.746	-5.945
Base	10	30	S22	Combination	Max	0.6817	4.8705	8.3226	1346.29	144.236	24.307
Base	10	30	S22	Combination	Min	-0.224	-4.859	1.4028	-1356.546	-73.107	-24.092
Base	10	30	Dx	Combination	Max	32.9007	1.578	129.6425	200.098	7939.45	30.28
Base	10	30	Dx	Combination	Min	-22.0371	-1.3647	102.539	-443.553	-6253.073	-25.06
Base	10	30	Dy	Combination	Max	7.5019	22.3456	131.9077	6056.223	1339.983	113.236
Base	10	30	Dy	Combination	Min	3.3617	-22.1323	100.2739	-6299.678	346.394	-108.015
Base	10	30	Dx-1	Combination	Max	30.9017	1.5571	86.4921	244.908	7629.729	29.283
Base	10	30	Dx-1	Combination	Min	-24.0361	-1.3856	59.3885	-398.743	-6562.793	-26.057
Base	10	30	Dy-1	Combination	Max	5.5029	22.3247	88.7572	6101.033	1030.263	112.238
Base	10	30	Dy-1	Combination	Min	1.3627	-22.1532	57.1234	-6254.868	36.674	-109.013
Base	10	30	Dx-Um	Combination	Max	12.2849	0.4046	119.4987	-53.62	2618.554	9.366
Base	10	30	Dx-Um	Combination	Min	-1.4214	-0.1913	112.6828	-189.835	-932.177	-4.145
Base	10	30	Dx-1 -Um	Combination	Max	10.2859	0.3837	76.3482	-8.81	2308.834	8.368
Base	10	30	Dx-1 -Um	Combination	Min	-3.4204	-0.2121	69.5324	-145.025	-1241.898	-5.143
Base	10	30	Dy-Um	Combination	Max	5.8815	5.4962	119.9511	1381.263	954.534	28.905
Base	10	30	Dy-Um	Combination	Min	4.9821	-5.2829	112.2304	-1624.718	731.842	-23.684

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	10	30	Dy-1-Um	Combination	Max	3.8825	5.4753	76.8007	1426.073	644.814	27.907
Base	10	30	Dy-1-Um	Combination	Min	2.9831	-5.3038	69.0799	-1579.908	422.122	-24.681
Base	12	36	Dead	LinStatic		-0.9622	1.1494	106.2682	-179.497	-150.118	1.792
Base	12	36	Live	LinStatic		-0.0505	0.328	26.9017	-65.604	13.909	0.46
Base	12	36	Sx-FHE	LinStatic		-41.3615	-0.0075	-0.4427	44.322	-11397.445	-8.094
Base	12	36	Sy-FHE	LinStatic		0.199	-46.0335	9.9157	11437.762	-11.007	29.105
Base	12	36	Lr	LinStatic		0	0	0	0	0	0
Base	12	36	Sx-FHE+Exc	LinStatic		-41.6551	1.3677	-0.7119	-298.92	-11473.747	28.946
Base	12	36	Sx-FHE-Exc	LinStatic		-41.0679	-1.3828	-0.1735	387.564	-11321.143	-45.134
Base	12	36	Sy-FHE+Exc	LinStatic		0.6114	-47.9653	10.2938	11919.906	96.173	-22.924
Base	12	36	Sy-FHE-Exc	LinStatic		-0.2134	-44.1016	9.5375	10955.618	-118.186	81.134
Base	12	36	W-	LinStatic		0	0	0	0	0	0
Base	12	36	W+	LinStatic		0	0	0	0	0	0
Base	12	36	F	LinStatic		0	0	0	0	0	0
Base	12	36	He	LinStatic		0	0	0	0	0	0
Base	12	36	Sx	LinRespSpec	Max	30.3982	2.3503	0.3566	542.8	8353.69	34.587
Base	12	36	Sy	LinRespSpec	Max	2.3536	31.535	6.9391	7836.63	585.637	138.28
Base	12	36	Sx-Der	LinRespSpec	Max	24.3185	1.8803	0.2853	434.249	6682.938	27.67
Base	12	36	Sy-Der	LinRespSpec	Max	1.8829	25.2282	5.5514	6269.361	468.52	110.626
Base	12	36	Sx-Um	LinRespSpec	Max	6.0568	0.3952	0.0649	95.011	1671.217	6.755
Base	12	36	Sy-Um	LinRespSpec	Max	0.3983	6.0521	1.3387	1506.414	103.848	26.294
Base	12	36	U1	Combination		-1.347	1.6091	148.7755	-251.296	-210.166	2.509
Base	12	36	U2	Combination		-1.2354	1.904	170.5646	-320.363	-157.888	2.886
Base	12	36	U3	Combination		-1.2051	1.7072	154.4236	-281.001	-166.233	2.61
Base	12	36	U4	Combination		-1.2051	1.7072	154.4236	-281.001	-166.233	2.61
Base	12	36	U5	Combination		-1.2051	1.7072	154.4236	-281.001	-166.233	2.61
Base	12	36	U6	Combination		-1.2051	1.7072	154.4236	-281.001	-166.233	2.61
Base	12	36	U7	Combination	Max	6.5709	4.6599	155.0332	442.446	1966.112	21.628
Base	12	36	U7	Combination	Min	-8.9812	-1.2455	153.814	-1004.448	-2298.579	-16.407
Base	12	36	U8	Combination	Max	1.6631	9.7672	156.1851	1718.867	606.703	39.775
Base	12	36	U8	Combination	Min	-4.0734	-6.3528	152.6621	-2280.868	-939.17	-34.554
Base	12	36	U9	Combination	Max	6.3944	2.2948	154.5127	-145.301	1922.189	11.257
Base	12	36	U9	Combination	Min	-8.8047	1.1197	154.3344	-416.701	-2254.656	-6.036
Base	12	36	U10	Combination	Max	-0.6167	9.591	156.1584	1678.157	-19.824	37.18
Base	12	36	U10	Combination	Min	-1.7935	-6.1765	152.6888	-2240.158	-312.643	-31.96

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	12	36	U11	Combination		-0.8659	1.0344	95.6414	-161.548	-135.106	1.613
Base	12	36	U12	Combination		-0.8659	1.0344	95.6414	-161.548	-135.106	1.613
Base	12	36	U13	Combination	Max	6.9101	3.9871	96.251	561.9	1997.239	20.631
Base	12	36	U13	Combination	Min	-8.642	-1.9182	95.0318	-884.995	-2267.452	-17.405
Base	12	36	U14	Combination	Max	2.0023	9.0945	97.4029	1838.32	637.83	38.777
Base	12	36	U14	Combination	Min	-3.7342	-7.0256	93.8799	-2161.415	-908.043	-35.551
Base	12	36	U15	Combination	Max	6.7336	1.622	95.7306	-25.848	1953.316	10.26
Base	12	36	U15	Combination	Min	-8.4655	0.4469	95.5523	-297.248	-2223.529	-7.034
Base	12	36	U16	Combination	Max	-0.2775	8.9182	97.3762	1797.61	11.303	36.183
Base	12	36	U16	Combination	Min	-1.4544	-6.8493	93.9066	-2120.705	-281.516	-32.957
Base	12	36	S1	Combination		-0.9622	1.1494	106.2682	-179.497	-150.118	1.792
Base	12	36	S2	Combination		-1.0127	1.4773	133.17	-245.101	-136.21	2.252
Base	12	36	S3	Combination		-0.9622	1.1494	106.2682	-179.497	-150.118	1.792
Base	12	36	S4	Combination		-1.0001	1.3954	126.4445	-228.7	-139.687	2.137
Base	12	36	S5	Combination		-0.9622	1.1494	106.2682	-179.497	-150.118	1.792
Base	12	36	S6	Combination		-0.9622	1.1494	106.2682	-179.497	-150.118	1.792
Base	12	36	S7	Combination	Max	1.0456	6.7914	107.5013	1220.41	390.937	27.807
Base	12	36	S7	Combination	Min	-2.97	-4.4926	105.0352	-1579.404	-691.174	-24.223
Base	12	36	S8	Combination	Max	1.0456	6.7914	107.5013	1220.41	390.937	27.807
Base	12	36	S8	Combination	Min	-2.97	-4.4926	105.0352	-1579.404	-691.174	-24.223
Base	12	36	S9	Combination	Max	4.3575	1.5607	106.3306	-84.507	1311.778	7.845
Base	12	36	S9	Combination	Min	-6.2818	0.7381	106.2058	-274.487	-1612.014	-4.261
Base	12	36	S10	Combination	Max	-0.5503	6.668	107.4826	1191.913	-47.632	25.991
Base	12	36	S10	Combination	Min	-1.374	-4.3692	105.0539	-1550.907	-252.605	-22.407
Base	12	36	S11	Combination		-1.0001	1.3954	126.4445	-228.7	-139.687	2.137
Base	12	36	S12	Combination		-1.0001	1.3954	126.4445	-228.7	-139.687	2.137
Base	12	36	S13	Combination	Max	3.084	2.9464	126.7647	151.333	980.227	12.127
Base	12	36	S13	Combination	Min	-5.0841	-0.1557	126.1243	-608.733	-1259.601	-7.853
Base	12	36	S14	Combination	Max	0.5067	5.6285	127.3697	821.635	266.343	21.656
Base	12	36	S14	Combination	Min	-2.5068	-2.8378	125.5194	-1279.036	-545.716	-17.382

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	12	36	S15	Combination	Max	2.9912	1.7039	126.4913	-157.431	957.153	6.678
Base	12	36	S15	Combination	Min	-4.9913	1.0868	126.3977	-299.97	-1236.526	-2.404
Base	12	36	S16	Combination	Max	-0.691	5.5359	127.3556	800.249	-62.793	20.293
Base	12	36	S16	Combination	Min	-1.3091	-2.7452	125.5334	-1257.65	-216.581	-16.019
Base	12	36	S17	Combination		-0.0577	0.069	6.3761	-10.77	-9.007	0.108
Base	12	36	S18	Combination		-0.0577	0.069	6.3761	-10.77	-9.007	0.108
Base	12	36	S19	Combination	Max	5.3855	2.1358	6.8028	495.643	1483.635	13.42
Base	12	36	S19	Combination	Min	-5.501	-1.9979	5.9494	-517.183	-1501.649	-13.205
Base	12	36	S20	Combination	Max	1.9501	5.711	7.6092	1389.137	532.048	26.122
Base	12	36	S20	Combination	Min	-2.0655	-5.573	5.143	-1410.677	-550.062	-25.907
Base	12	36	S21	Combination	Max	5.262	0.4803	6.4385	84.22	1452.889	6.16
Base	12	36	S21	Combination	Min	-5.3774	-0.3423	6.3137	-105.76	-1470.903	-5.945
Base	12	36	S22	Combination	Max	0.3542	5.5876	7.5904	1360.64	93.479	24.307
Base	12	36	S22	Combination	Min	-0.4696	-5.4497	5.1617	-1382.18	-111.494	-24.092
Base	12	36	Dx	Combination	Max	23.1134	3.5875	154.7089	153.248	6516.704	30.28
Base	12	36	Dx	Combination	Min	-25.5236	-0.173	154.1383	-715.25	-6849.171	-25.06
Base	12	36	Dy	Combination	Max	0.6778	26.9355	159.9749	5988.36	302.286	113.236
Base	12	36	Dy	Combination	Min	-3.0881	-23.521	148.8722	-6550.362	-634.753	-108.015
Base	12	36	Dx-1	Combination	Max	23.4526	2.9147	95.9267	272.702	6547.831	29.283
Base	12	36	Dx-1	Combination	Min	-25.1845	-0.8458	95.3561	-595.797	-6818.044	-26.057
Base	12	36	Dy-1	Combination	Max	1.017	26.2627	101.1928	6107.814	333.413	112.238
Base	12	36	Dy-1	Combination	Min	-2.7489	-24.1938	90.0901	-6430.909	-603.626	-109.013
Base	12	36	Dx-Um	Combination	Max	4.8517	2.1024	154.4885	-185.99	1504.984	9.366
Base	12	36	Dx-Um	Combination	Min	-7.262	1.312	154.3587	-376.011	-1837.451	-4.145
Base	12	36	Dx-1 -Um	Combination	Max	5.1909	1.4297	95.7063	-66.537	1536.111	8.368
Base	12	36	Dx-1 -Um	Combination	Min	-6.9228	0.6392	95.5765	-256.558	-1806.324	-5.143
Base	12	36	Dy-Um	Combination	Max	-0.8068	7.7593	155.7623	1225.413	-62.385	28.905
Base	12	36	Dy-Um	Combination	Min	-1.6034	-4.3449	153.0849	-1787.415	-270.082	-23.684
Base	12	36	Dy-1-Um	Combination	Max	-0.4677	7.0865	96.9801	1344.866	-31.258	27.907
Base	12	36	Dy-1-Um	Combination	Min	-1.2642	-5.0176	94.3027	-1667.961	-238.955	-24.681
Base	13	39	Dead	LinStatic		-2.7014	1.1731	55.4278	-192.57	-119.886	1.792
Base	13	39	Live	LinStatic		-0.824	0.3299	13.4372	-68.428	-86.899	0.46
Base	13	39	Sx-FHE	LinStatic		-33.8532	-0.1991	20.1432	114.408	-10418.86	-8.094
Base	13	39	Sy-FHE	LinStatic		0.0051	-36.8728	8.4776	10081.586	-36.283	29.105
Base	13	39	Lr	LinStatic		0	0	0	0	0	0
Base	13	39	Sx-FHE+Exc	LinStatic		-34.1152	2.2011	19.6036	-568.88	-10491.043	28.946

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	13	39	Sx-FHE-Exc	LinStatic		-33.5912	-2.5994	20.6829	797.695	-10346.677	-45.134
Base	13	39	Sy-FHE+Exc	LinStatic		0.3731	-40.2443	9.2356	11041.384	65.11	-22.924
Base	13	39	Sy-FHE-Exc	LinStatic		-0.3629	-33.5012	7.7195	9121.789	-137.677	81.134
Base	13	39	W-	LinStatic		0	0	0	0	0	0
Base	13	39	W+	LinStatic		0	0	0	0	0	0
Base	13	39	F	LinStatic		0	0	0	0	0	0
Base	13	39	He	LinStatic		0	0	0	0	0	0
Base	13	39	Sx	LinRespSpec	Max	24.952	3.1495	15.3662	800.418	7637.802	34.587
Base	13	39	Sy	LinRespSpec	Max	2.1531	24.5743	5.9295	6700.03	558.065	138.28
Base	13	39	Sx-Der	LinRespSpec	Max	19.9616	2.5197	12.2929	640.344	6110.229	27.67
Base	13	39	Sy-Der	LinRespSpec	Max	1.7226	19.6597	4.7436	5360.097	446.461	110.626
Base	13	39	Sx-Um	LinRespSpec	Max	4.9561	0.5433	3.0852	145.403	1527.098	6.755
Base	13	39	Sy-Um	LinRespSpec	Max	0.3608	4.6143	1.1307	1262.211	98.824	26.294
Base	13	39	U1	Combination		-3.782	1.6423	77.5989	-269.598	-167.841	2.509
Base	13	39	U2	Combination		-4.5601	1.9356	88.0129	-340.569	-282.902	2.886
Base	13	39	U3	Combination		-4.0657	1.7376	79.9505	-299.512	-230.763	2.61
Base	13	39	U4	Combination		-4.0657	1.7376	79.9505	-299.512	-230.763	2.61
Base	13	39	U5	Combination		-4.0657	1.7376	79.9505	-299.512	-230.763	2.61
Base	13	39	U6	Combination		-4.0657	1.7376	79.9505	-299.512	-230.763	2.61
Base	13	39	U7	Combination	Max	2.3338	4.3681	84.2368	403.095	1720.543	21.628
Base	13	39	U7	Combination	Min	-10.4652	-0.8928	75.6643	-1002.119	-2182.068	-16.407
Base	13	39	U8	Combination	Max	-1.656	8.1174	82.5854	1435.527	481.589	39.775
Base	13	39	U8	Combination	Min	-6.4754	-4.6422	77.3157	-2034.551	-943.114	-34.554
Base	13	39	U9	Combination	Max	2.1723	2.525	83.7921	-99.408	1678.688	11.257
Base	13	39	U9	Combination	Min	-10.3037	0.9502	76.109	-499.616	-2140.213	-6.036
Base	13	39	U10	Combination	Max	-3.5274	7.8812	81.4329	1375.496	-91.247	37.18
Base	13	39	U10	Combination	Min	-4.604	-4.406	78.4682	-1974.52	-370.279	-31.96
Base	13	39	U11	Combination		-2.4313	1.0558	49.885	-173.313	-107.898	1.613
Base	13	39	U12	Combination		-2.4313	1.0558	49.885	-173.313	-107.898	1.613
Base	13	39	U13	Combination	Max	3.9682	3.6862	54.1712	529.294	1843.408	20.631
Base	13	39	U13	Combination	Min	-8.8308	-1.5747	45.5987	-875.92	-2059.203	-17.405
Base	13	39	U14	Combination	Max	-0.0216	7.4355	52.5198	1561.726	604.454	38.777
Base	13	39	U14	Combination	Min	-4.8409	-5.324	47.2501	-1908.352	-820.249	-35.551
Base	13	39	U15	Combination	Max	3.8068	1.8431	53.7265	26.791	1801.553	10.26
Base	13	39	U15	Combination	Min	-8.6693	0.2684	46.0434	-373.418	-2017.348	-7.034
Base	13	39	U16	Combination	Max	-1.893	7.1993	51.3673	1501.694	31.618	36.183
Base	13	39	U16	Combination	Min	-2.9695	-5.0878	48.4026	-1848.321	-247.414	-32.957
Base	13	39	S1	Combination		-2.7014	1.1731	55.4278	-192.57	-119.886	1.792
Base	13	39	S2	Combination		-3.5254	1.503	68.865	-260.998	-206.785	2.252
Base	13	39	S3	Combination		-2.7014	1.1731	55.4278	-192.57	-119.886	1.792
Base	13	39	S4	Combination		-3.3194	1.4205	65.5057	-243.891	-185.061	2.137
Base	13	39	S5	Combination		-2.7014	1.1731	55.4278	-192.57	-119.886	1.792
Base	13	39	S6	Combination		-2.7014	1.1731	55.4278	-192.57	-119.886	1.792
Base	13	39	S7	Combination	Max	-1.0146	5.6389	57.2721	1021.957	378.76	27.807
Base	13	39	S7	Combination	Min	-4.3882	-3.2928	53.5834	-1407.098	-618.532	-24.223
Base	13	39	S8	Combination	Max	-1.0146	5.6389	57.2721	1021.957	378.76	27.807
Base	13	39	S8	Combination	Min	-4.3882	-3.2928	53.5834	-1407.098	-618.532	-24.223
Base	13	39	S9	Combination	Max	1.6652	1.7242	58.1168	-52.497	1216.729	7.845

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	13	39	S9	Combination	Min	-7.068	0.6219	52.7387	-332.643	-1456.502	-4.261
Base	13	39	S10	Combination	Max	-2.3246	5.4736	56.4654	979.935	-22.225	25.991
Base	13	39	S10	Combination	Min	-3.0782	-3.1274	54.3901	-1365.076	-217.548	-22.407
Base	13	39	S11	Combination		-3.3194	1.4205	65.5057	-243.891	-185.061	2.137
Base	13	39	S12	Combination		-3.3194	1.4205	65.5057	-243.891	-185.061	2.137
Base	13	39	S13	Combination	Max	0.0416	2.8023	67.7569	125.185	839.771	12.127
Base	13	39	S13	Combination	Min	-6.6804	0.0388	63.2545	-612.967	-1209.892	-7.853
Base	13	39	S14	Combination	Max	-2.0536	4.7712	66.8896	667.359	189.143	21.656
Base	13	39	S14	Combination	Min	-4.5852	-1.9302	64.1217	-1155.141	-559.264	-17.382
Base	13	39	S15	Combination	Max	-0.0432	1.834	67.5233	-138.796	817.783	6.678
Base	13	39	S15	Combination	Min	-6.5956	1.007	63.4881	-348.986	-1187.904	-2.404
Base	13	39	S16	Combination	Max	-3.0367	4.6471	66.2842	635.823	-111.787	20.293
Base	13	39	S16	Combination	Min	-3.6021	-1.8061	64.7271	-1123.605	-258.335	-16.019
Base	13	39	S17	Combination		-0.1621	0.0704	3.3257	-11.554	-7.193	0.108
Base	13	39	S18	Combination		-0.1621	0.0704	3.3257	-11.554	-7.193	0.108
Base	13	39	S19	Combination	Max	4.3176	1.9117	6.3261	480.271	1358.721	13.42
Base	13	39	S19	Combination	Min	-4.6417	-1.7709	0.3253	-503.379	-1373.107	-13.205
Base	13	39	S20	Combination	Max	1.5247	4.5362	5.17	1202.973	491.453	26.122
Base	13	39	S20	Combination	Min	-1.8489	-4.3955	1.4813	-1226.081	-505.839	-25.907
Base	13	39	S21	Combination	Max	4.2045	0.6216	6.0148	128.519	1329.422	6.16
Base	13	39	S21	Combination	Min	-4.5287	-0.4808	0.6366	-151.627	-1343.809	-5.945
Base	13	39	S22	Combination	Max	0.2147	4.3709	4.3633	1160.951	90.468	24.307
Base	13	39	S22	Combination	Min	-0.5389	-4.2301	2.288	-1184.06	-104.854	-24.092
Base	13	39	Dx	Combination	Max	15.8959	4.2573	92.2435	340.832	5879.466	30.28
Base	13	39	Dx	Combination	Min	-24.0273	-0.7821	67.6576	-939.856	-6340.992	-25.06
Base	13	39	Dy	Combination	Max	-2.3431	21.3973	84.6942	5060.585	215.698	113.236
Base	13	39	Dy	Combination	Min	-5.7882	-17.9221	75.2069	-5659.609	-677.224	-108.015
Base	13	39	Dx-1	Combination	Max	17.5304	3.5754	62.1779	467.031	6002.331	29.283
Base	13	39	Dx-1	Combination	Min	-22.3929	-1.4639	37.592	-813.658	-6218.127	-26.057
Base	13	39	Dy-1	Combination	Max	-0.7087	20.7154	54.6286	5186.784	338.563	112.238
Base	13	39	Dy-1	Combination	Min	-4.1538	-18.6039	45.1414	-5533.411	-554.359	-109.013
Base	13	39	Dx-Um	Combination	Max	0.8904	2.2809	83.0357	-154.109	1296.335	9.366
Base	13	39	Dx-Um	Combination	Min	-9.0218	1.1943	76.8654	-444.915	-1757.861	-4.145
Base	13	39	Dx-1 -Um	Combination	Max	2.5248	1.5991	52.9701	-27.91	1419.2	8.368
Base	13	39	Dx-1 -Um	Combination	Min	-7.3874	0.5124	46.7998	-318.717	-1634.996	-5.143
Base	13	39	Dy-Um	Combination	Max	-3.7049	6.3519	81.0813	962.699	-131.938	28.905
Base	13	39	Dy-Um	Combination	Min	-4.4265	-2.8767	78.8198	-1561.723	-329.587	-23.684
Base	13	39	Dy-1-Um	Combination	Max	-2.0704	5.6701	51.0157	1088.898	-9.073	27.907
Base	13	39	Dy-1-Um	Combination	Min	-2.7921	-3.5586	48.7542	-1435.524	-206.722	-24.681
Base	14	42	Dead	LinStatic		2.3848	0.1022	27.4618	-20.886	192.132	0.232
Base	14	42	Live	LinStatic		0.6962	0.0221	6.5537	-4.742	94.985	0.06
Base	14	42	Sx-FHE	LinStatic		-10.3836	0.2547	-7.7604	-48.181	-2156.197	-1.049
Base	14	42	Sy-FHE	LinStatic		0.0976	-11.2462	-7.9427	2264.431	24.192	3.772
Base	14	42	Lr	LinStatic		0	0	0	0	0	0
Base	14	42	Sx-FHE+Exc	LinStatic		-10.1802	-0.7825	-8.4434	159.779	-2113.769	3.751
Base	14	42	Sx-FHE-Exc	LinStatic		-10.587	1.292	-7.0773	-256.14	-2198.625	-5.849
Base	14	42	Sy-FHE+Exc	LinStatic		-0.1882	-9.7891	-6.9832	1972.315	-35.405	-2.971
Base	14	42	Sy-FHE-Exc	LinStatic		0.3834	-12.7032	-8.9022	2556.547	83.789	10.515

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	14	42	W-	LinStatic		0	0	0	0	0	0
Base	14	42	W+	LinStatic		0	0	0	0	0	0
Base	14	42	F	LinStatic		0	0	0	0	0	0
Base	14	42	He	LinStatic		0	0	0	0	0	0
Base	14	42	Sx	LinRespSpec	Max	7.7425	0.9822	5.4735	196.796	1607.819	4.483
Base	14	42	Sy	LinRespSpec	Max	0.641	10.038	7.0103	2020.686	134.249	17.921
Base	14	42	Sx-Der	LinRespSpec	Max	6.194	0.7857	4.3788	157.436	1286.251	3.586
Base	14	42	Sy-Der	LinRespSpec	Max	0.5128	8.0304	5.6082	1616.554	107.4	14.337
Base	14	42	Sx-Um	LinRespSpec	Max	1.5546	0.1943	1.0916	38.839	322.838	0.876
Base	14	42	Sy-Um	LinRespSpec	Max	0.1213	1.9798	1.3814	398.472	25.469	3.408
Base	14	42	U1	Combination		3.3387	0.143	38.4465	-29.24	268.985	0.325
Base	14	42	U2	Combination		3.9757	0.158	43.44	-32.651	382.534	0.374
Base	14	42	U3	Combination		3.5579	0.1447	39.5078	-29.806	325.543	0.338
Base	14	42	U4	Combination		3.5579	0.1447	39.5078	-29.806	325.543	0.338
Base	14	42	U5	Combination		3.5579	0.1447	39.5078	-29.806	325.543	0.338
Base	14	42	U6	Combination		3.5579	0.1447	39.5078	-29.806	325.543	0.338
Base	14	42	U7	Combination	Max	5.5416	1.1431	41.4019	170.945	737.567	2.803
Base	14	42	U7	Combination	Min	1.5742	-0.8537	37.6136	-230.556	-86.48	-2.126
Base	14	42	U8	Combination	Max	4.2989	2.7279	41.6708	490.126	479.692	5.155
Base	14	42	U8	Combination	Min	2.817	-2.4385	37.3447	-549.737	171.395	-4.478
Base	14	42	U9	Combination	Max	5.4936	0.3902	40.8761	19.393	727.498	1.459
Base	14	42	U9	Combination	Min	1.6223	-0.1009	38.1394	-79.004	-76.411	-0.782
Base	14	42	U10	Combination	Max	3.7182	2.6542	41.2603	475.366	359.106	4.819
Base	14	42	U10	Combination	Min	3.3977	-2.3648	37.7552	-534.977	291.981	-4.142
Base	14	42	U11	Combination		2.1463	0.0919	24.7156	-18.797	172.919	0.209
Base	14	42	U12	Combination		2.1463	0.0919	24.7156	-18.797	172.919	0.209
Base	14	42	U13	Combination	Max	4.13	1.0903	26.6097	181.953	584.942	2.674
Base	14	42	U13	Combination	Min	0.1626	-0.9065	22.8214	-219.548	-239.104	-2.256
Base	14	42	U14	Combination	Max	2.8872	2.6751	26.8787	501.134	327.068	5.025
Base	14	42	U14	Combination	Min	1.4054	-2.4912	22.5525	-538.729	18.77	-4.607
Base	14	42	U15	Combination	Max	4.0819	0.3375	26.0839	30.402	574.874	1.33
Base	14	42	U15	Combination	Min	0.2107	-0.1536	23.3472	-67.996	-229.036	-0.912
Base	14	42	U16	Combination	Max	2.3065	2.6015	26.4681	486.374	206.481	4.689
Base	14	42	U16	Combination	Min	1.9861	-2.4176	22.963	-523.969	139.357	-4.271
Base	14	42	S1	Combination		2.3848	0.1022	27.4618	-20.886	192.132	0.232
Base	14	42	S2	Combination		3.081	0.1243	34.0154	-25.628	287.117	0.292
Base	14	42	S3	Combination		2.3848	0.1022	27.4618	-20.886	192.132	0.232
Base	14	42	S4	Combination		2.9069	0.1187	32.377	-24.443	263.371	0.277
Base	14	42	S5	Combination		2.3848	0.1022	27.4618	-20.886	192.132	0.232
Base	14	42	S6	Combination		2.3848	0.1022	27.4618	-20.886	192.132	0.232
Base	14	42	S7	Combination	Max	2.9034	1.9104	28.9759	343.066	300.036	3.604
Base	14	42	S7	Combination	Min	1.8661	-1.7061	25.9476	-384.838	84.228	-3.139
Base	14	42	S8	Combination	Max	2.9034	1.9104	28.9759	343.066	300.036	3.604
Base	14	42	S8	Combination	Min	1.8661	-1.7061	25.9476	-384.838	84.228	-3.139
Base	14	42	S9	Combination	Max	3.7397	0.274	28.4196	13.553	473.5	1.017
Base	14	42	S9	Combination	Min	1.0298	-0.0697	26.5039	-55.325	-89.236	-0.552
Base	14	42	S10	Combination	Max	2.497	1.8588	28.6885	332.734	215.626	3.368
Base	14	42	S10	Combination	Min	2.2726	-1.6545	26.235	-374.506	168.639	-2.904

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	14	42	S11	Combination		2.9069	0.1187	32.377	-24.443	263.371	0.277
Base	14	42	S12	Combination		2.9069	0.1187	32.377	-24.443	263.371	0.277
Base	14	42	S13	Combination	Max	3.9488	0.6432	33.3719	81.012	479.767	1.572
Base	14	42	S13	Combination	Min	1.8651	-0.4057	31.3821	-129.897	46.975	-1.018
Base	14	42	S14	Combination	Max	3.2961	1.4754	33.5131	248.627	344.346	2.807
Base	14	42	S14	Combination	Min	2.5177	-1.238	31.2409	-297.513	182.396	-2.253
Base	14	42	S15	Combination	Max	3.9235	0.2477	33.0957	1.397	474.477	0.866
Base	14	42	S15	Combination	Min	1.8903	-0.0102	31.6583	-50.282	52.264	-0.312
Base	14	42	S16	Combination	Max	2.9911	1.4367	33.2975	240.873	280.998	2.63
Base	14	42	S16	Combination	Min	2.8228	-1.1993	31.4566	-289.759	245.744	-2.076
Base	14	42	S17	Combination		0.1431	0.0061	1.6477	-1.253	11.528	0.014
Base	14	42	S18	Combination		0.1431	0.0061	1.6477	-1.253	11.528	0.014
Base	14	42	S19	Combination	Max	1.5317	0.705	2.9736	139.272	299.944	1.739
Base	14	42	S19	Combination	Min	-1.2455	-0.6927	0.3218	-141.778	-276.888	-1.711
Base	14	42	S20	Combination	Max	0.6617	1.8143	3.1619	362.699	119.432	3.385
Base	14	42	S20	Combination	Min	-0.3756	-1.8021	0.1336	-365.205	-96.376	-3.358
Base	14	42	S21	Combination	Max	1.498	0.178	2.6056	33.186	292.896	0.798
Base	14	42	S21	Combination	Min	-1.2118	-0.1658	0.6898	-35.692	-269.84	-0.771
Base	14	42	S22	Combination	Max	0.2553	1.7628	2.8745	352.367	35.021	3.15
Base	14	42	S22	Combination	Min	0.0309	-1.7505	0.4209	-354.873	-11.966	-3.122
Base	14	42	Dx	Combination	Max	9.7519	0.9304	43.8865	127.631	1611.795	3.924
Base	14	42	Dx	Combination	Min	-2.636	-0.6411	35.129	-187.242	-960.708	-3.248
Base	14	42	Dy	Combination	Max	4.0707	8.1751	45.116	1586.749	432.944	14.675
Base	14	42	Dy	Combination	Min	3.0451	-7.8857	33.8995	-1646.36	218.143	-13.999
Base	14	42	Dx-1	Combination	Max	8.3403	0.8777	29.0944	138.639	1459.17	3.795
Base	14	42	Dx-1	Combination	Min	-4.0477	-0.6938	20.3368	-176.234	-1113.332	-3.377
Base	14	42	Dy-1	Combination	Max	2.6591	8.1224	30.3238	1597.757	280.319	14.546
Base	14	42	Dy-1	Combination	Min	1.6335	-7.9385	19.1073	-1635.352	65.519	-14.128
Base	14	42	Dx-Um	Combination	Max	5.1125	0.339	40.5994	9.034	648.382	1.214
Base	14	42	Dx-Um	Combination	Min	2.0034	-0.0496	38.4162	-68.645	2.705	-0.537
Base	14	42	Dx-1 -Um	Combination	Max	3.7009	0.2863	25.8072	20.042	495.757	1.085
Base	14	42	Dx-1 -Um	Combination	Min	0.5917	-0.1024	23.624	-57.637	-149.92	-0.666
Base	14	42	Dy-Um	Combination	Max	3.6792	2.1245	40.8891	368.666	351.013	3.746
Base	14	42	Dy-Um	Combination	Min	3.4367	-1.8351	38.1264	-428.277	300.074	-3.069
Base	14	42	Dy-1-Um	Combination	Max	2.2676	2.0717	26.0969	379.674	198.388	3.617
Base	14	42	Dy-1-Um	Combination	Min	2.025	-1.8878	23.3342	-417.269	147.45	-3.199
Base	15	45	Dead	LinStatic		-3.5403	0.7236	30.67	-124.353	-289.685	0.789
Base	15	45	Live	LinStatic		-1.073	0.1545	7.3005	-27.565	-131.117	0.203
Base	15	45	Sx-FHE	LinStatic		-24.4091	0.0839	6.6134	-41.287	-5867.581	-3.564
Base	15	45	Sy-FHE	LinStatic		0.0776	-31.7598	-15.5561	6745.462	48.527	12.815
Base	15	45	Lr	LinStatic		0	0	0	0	0	0
Base	15	45	Sx-FHE+Exc	LinStatic		-23.9126	-1.8352	5.4757	364.511	-5749.598	12.745
Base	15	45	Sx-FHE-Exc	LinStatic		-24.9056	2.003	7.7511	-447.086	-5985.564	-19.872
Base	15	45	Sy-FHE+Exc	LinStatic		-0.6198	-29.0641	-13.958	6175.447	-117.201	-10.094
Base	15	45	Sy-FHE-Exc	LinStatic		0.7751	-34.4554	-17.1541	7315.477	214.255	35.723
Base	15	45	W-	LinStatic		0	0	0	0	0	0
Base	15	45	W+	LinStatic		0	0	0	0	0	0
Base	15	45	F	LinStatic		0	0	0	0	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	15	45	He	LinStatic		0	0	0	0	0	0
Base	15	45	Sx	LinRespSpec	Max	18.2096	1.753	5.3557	383.126	4376.539	15.229
Base	15	45	Sy	LinRespSpec	Max	1.5194	26.1513	13.0518	5553.371	367.289	60.885
Base	15	45	Sx-Der	LinRespSpec	Max	14.5676	1.4024	4.2845	306.502	3501.221	12.183
Base	15	45	Sy-Der	LinRespSpec	Max	1.2156	20.9211	10.4414	4442.713	293.835	48.708
Base	15	45	Sx-Um	LinRespSpec	Max	3.6562	0.3416	1.0844	74.749	878.787	2.974
Base	15	45	Sy-Um	LinRespSpec	Max	0.2857	5.1484	2.5759	1093.109	69.495	11.577
Base	15	45	U1	Combination		-4.9564	1.0131	42.9381	-174.095	-405.559	1.105
Base	15	45	U2	Combination		-5.9651	1.1156	48.4848	-193.328	-557.409	1.271
Base	15	45	U3	Combination		-5.3214	1.0229	44.1046	-176.789	-478.739	1.149
Base	15	45	U4	Combination		-5.3214	1.0229	44.1046	-176.789	-478.739	1.149
Base	15	45	U5	Combination		-5.3214	1.0229	44.1046	-176.789	-478.739	1.149
Base	15	45	U6	Combination		-5.3214	1.0229	44.1046	-176.789	-478.739	1.149
Base	15	45	U7	Combination	Max	-0.655	3.4225	46.4224	335.496	642.943	9.523
Base	15	45	U7	Combination	Min	-9.9877	-1.3767	41.7868	-689.073	-1600.42	-7.224
Base	15	45	U8	Combination	Max	-3.5758	7.6922	47.7692	1240.288	-58.676	17.513
Base	15	45	U8	Combination	Min	-7.0669	-5.6464	40.4399	-1593.866	-898.802	-15.214
Base	15	45	U9	Combination	Max	-0.769	1.4611	45.4435	-81.007	615.396	4.957
Base	15	45	U9	Combination	Min	-9.8738	0.5846	42.7656	-272.57	-1572.874	-2.658
Base	15	45	U10	Combination	Max	-4.9415	7.5607	47.3675	1211.554	-386.917	16.37
Base	15	45	U10	Combination	Min	-5.7012	-5.5149	40.8416	-1565.131	-570.561	-14.072
Base	15	45	U11	Combination		-3.1863	0.6513	27.603	-111.918	-260.717	0.71
Base	15	45	U12	Combination		-3.1863	0.6513	27.603	-111.918	-260.717	0.71
Base	15	45	U13	Combination	Max	1.4801	3.0509	29.9208	400.366	860.965	9.084
Base	15	45	U13	Combination	Min	-7.8527	-1.7483	25.2852	-624.202	-1382.398	-7.663
Base	15	45	U14	Combination	Max	-1.4407	7.3206	31.2677	1305.159	159.346	17.073
Base	15	45	U14	Combination	Min	-4.9319	-6.018	23.9384	-1528.995	-680.78	-15.653
Base	15	45	U15	Combination	Max	1.3661	1.0895	28.942	-16.136	833.418	4.517
Base	15	45	U15	Combination	Min	-7.7387	0.213	26.2641	-207.7	-1354.852	-3.097
Base	15	45	U16	Combination	Max	-2.8064	7.1891	30.866	1276.425	-168.894	15.931
Base	15	45	U16	Combination	Min	-3.5661	-5.8865	24.3401	-1500.261	-352.539	-14.511
Base	15	45	S1	Combination		-3.5403	0.7236	30.67	-124.353	-289.685	0.789
Base	15	45	S2	Combination		-4.6133	0.8782	37.9705	-151.918	-420.802	0.992
Base	15	45	S3	Combination		-3.5403	0.7236	30.67	-124.353	-289.685	0.789
Base	15	45	S4	Combination		-4.3451	0.8395	36.1454	-145.027	-388.023	0.941
Base	15	45	S5	Combination		-3.5403	0.7236	30.67	-124.353	-289.685	0.789
Base	15	45	S6	Combination		-3.5403	0.7236	30.67	-124.353	-289.685	0.789
Base	15	45	S7	Combination	Max	-2.3184	5.3922	33.2353	867.601	4.359	12.243
Base	15	45	S7	Combination	Min	-4.7622	-3.9449	28.1048	-1116.307	-583.729	-10.665
Base	15	45	S8	Combination	Max	-2.3184	5.3922	33.2353	867.601	4.359	12.243
Base	15	45	S8	Combination	Min	-4.7622	-3.9449	28.1048	-1116.307	-583.729	-10.665
Base	15	45	S9	Combination	Max	-0.3536	1.0304	31.6073	-57.306	476.209	3.454
Base	15	45	S9	Combination	Min	-6.727	0.4169	29.7328	-191.4	-1055.58	-1.876
Base	15	45	S10	Combination	Max	-3.2744	5.3001	32.9541	847.487	-225.41	11.444
Base	15	45	S10	Combination	Min	-3.8062	-3.8528	28.386	-1096.193	-353.961	-9.866
Base	15	45	S11	Combination		-4.3451	0.8395	36.1454	-145.027	-388.023	0.941
Base	15	45	S12	Combination		-4.3451	0.8395	36.1454	-145.027	-388.023	0.941
Base	15	45	S13	Combination	Max	-1.8943	2.1001	37.3629	124.08	201.088	5.339

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	15	45	S13	Combination	Min	-6.7958	-0.421	34.928	-414.134	-977.134	-3.457
Base	15	45	S14	Combination	Max	-3.4281	4.3423	38.0701	599.226	-167.362	9.535
Base	15	45	S14	Combination	Min	-5.262	-2.6632	34.2207	-889.28	-608.683	-7.653
Base	15	45	S15	Combination	Max	-1.9541	1.0697	36.8486	-94.722	186.617	2.94
Base	15	45	S15	Combination	Min	-6.736	0.6094	35.4422	-195.331	-962.662	-1.059
Base	15	45	S16	Combination	Max	-4.1455	4.2732	37.8591	584.131	-339.798	8.935
Base	15	45	S16	Combination	Min	-4.5446	-2.5941	34.4317	-874.185	-436.248	-7.053
Base	15	45	S17	Combination		-0.2124	0.0434	1.8402	-7.461	-17.381	0.047
Base	15	45	S18	Combination		-0.2124	0.0434	1.8402	-7.461	-17.381	0.047
Base	15	45	S19	Combination	Max	3.054	1.7231	3.4627	351.138	767.796	5.909
Base	15	45	S19	Combination	Min	-3.4789	-1.6363	0.2177	-366.06	-802.558	-5.814
Base	15	45	S20	Combination	Max	1.0095	4.7119	4.4054	984.493	276.663	11.502
Base	15	45	S20	Combination	Min	-1.4343	-4.6251	-0.725	-999.415	-311.425	-11.407
Base	15	45	S21	Combination	Max	2.9743	0.3502	2.7774	59.586	748.513	2.712
Base	15	45	S21	Combination	Min	-3.3991	-0.2634	0.903	-74.508	-783.276	-2.618
Base	15	45	S22	Combination	Max	0.0535	4.6199	4.1243	964.379	46.895	10.702
Base	15	45	S22	Combination	Min	-0.4783	-4.5331	-0.4439	-979.301	-81.657	-10.607
Base	15	45	Dx	Combination	Max	9.2463	2.4253	48.3891	129.713	3022.482	13.332
Base	15	45	Dx	Combination	Min	-19.889	-0.3795	39.82	-483.29	-3979.96	-11.034
Base	15	45	Dy	Combination	Max	-4.1058	21.944	54.546	4265.924	-184.904	49.858
Base	15	45	Dy	Combination	Min	-6.5369	-19.8982	33.6631	-4619.502	-772.574	-47.559
Base	15	45	Dx-1	Combination	Max	11.3814	2.0537	31.8876	194.584	3240.505	12.893
Base	15	45	Dx-1	Combination	Min	-17.7539	-0.7511	23.3185	-418.42	-3761.938	-11.473
Base	15	45	Dy-1	Combination	Max	-1.9707	21.5724	38.0445	4330.795	33.118	49.418
Base	15	45	Dy-1	Combination	Min	-4.4019	-20.2698	17.1616	-4554.631	-554.551	-47.998
Base	15	45	Dx-Um	Combination	Max	-1.6651	1.3645	45.189	-102.04	400.048	4.124
Base	15	45	Dx-Um	Combination	Min	-8.9776	0.6812	43.0201	-251.537	-1357.526	-1.825
Base	15	45	Dx-1 -Um	Combination	Max	0.4699	0.9929	28.6875	-37.169	618.071	3.684
Base	15	45	Dx-1 -Um	Combination	Min	-6.8425	0.3096	26.5186	-186.667	-1139.504	-2.264
Base	15	45	Dy-Um	Combination	Max	-5.0356	6.1712	46.6805	916.32	-409.244	12.727
Base	15	45	Dy-Um	Combination	Min	-5.6071	-4.1255	41.5286	-1269.898	-548.234	-10.428
Base	15	45	Dy-1-Um	Combination	Max	-2.9006	5.7996	30.179	981.191	-191.222	12.287
Base	15	45	Dy-1-Um	Combination	Min	-3.472	-4.4971	25.0271	-1205.027	-330.211	-10.867
Base	16	48	Dead	LinStatic		0.5187	0.8971	75.4544	-180.789	11.302	1.792
Base	16	48	Live	LinStatic		0.2716	0.2291	18.0891	-52.721	57.857	0.46
Base	16	48	Sx-FHE	LinStatic		-38.7877	0.2841	-21.4558	6.313	-11096.465	-8.094
Base	16	48	Sy-FHE	LinStatic		0.654	-45.849	7.8702	11413.723	172.292	29.105
Base	16	48	Lr	LinStatic		0	0	0	0	0	0
Base	16	48	Sx-FHE+Exc	LinStatic		-38.213	1.6312	-21.0951	-333.264	-10901.795	28.946
Base	16	48	Sx-FHE-Exc	LinStatic		-39.3624	-1.0631	-21.8165	345.891	-11291.135	-45.134
Base	16	48	Sy-FHE+Exc	LinStatic		-0.1532	-47.7414	7.3635	11890.719	-101.156	-22.924
Base	16	48	Sy-FHE-Exc	LinStatic		1.4613	-43.9567	8.3768	10936.728	445.74	81.134
Base	16	48	W-	LinStatic		0	0	0	0	0	0
Base	16	48	W+	LinStatic		0	0	0	0	0	0
Base	16	48	F	LinStatic		0	0	0	0	0	0
Base	16	48	He	LinStatic		0	0	0	0	0	0
Base	16	48	Sx	LinRespSpec	Max	29.0097	2.2682	16.1451	528.477	8271.936	34.587
Base	16	48	Sy	LinRespSpec	Max	2.8661	31.4252	5.9566	7822.159	738.722	138.28

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	16	48	Sx-Der	LinRespSpec	Max	23.2077	1.8146	12.9161	422.791	6617.532	27.67
Base	16	48	Sy-Der	LinRespSpec	Max	2.293	25.1404	4.7653	6257.785	590.985	110.626
Base	16	48	Sx-Um	LinRespSpec	Max	5.7791	0.3747	3.2442	91.632	1656.336	6.755
Base	16	48	Sy-Um	LinRespSpec	Max	0.5055	6.0316	1.1705	1503.728	136.351	26.294
Base	16	48	U1	Combination		0.7261	1.2559	105.6362	-253.104	15.823	2.509
Base	16	48	U2	Combination		1.057	1.4431	119.4879	-301.299	106.133	2.886
Base	16	48	U3	Combination		0.894	1.3056	108.6345	-269.667	71.419	2.61
Base	16	48	U4	Combination		0.894	1.3056	108.6345	-269.667	71.419	2.61
Base	16	48	U5	Combination		0.894	1.3056	108.6345	-269.667	71.419	2.61
Base	16	48	U6	Combination		0.894	1.3056	108.6345	-269.667	71.419	2.61
Base	16	48	U7	Combination	Max	8.3614	4.2295	113.1175	449.114	2194.807	21.628
Base	16	48	U7	Combination	Min	-6.5733	-1.6183	104.1514	-988.448	-2051.969	-16.407
Base	16	48	U8	Combination	Max	3.7863	9.332	111.3345	1725.509	876.495	39.775
Base	16	48	U8	Combination	Min	-1.9982	-6.7208	105.9344	-2264.843	-733.657	-34.554
Base	16	48	U9	Combination	Max	8.1465	1.8726	112.6707	-137.548	2139.403	11.257
Base	16	48	U9	Combination	Min	-6.3584	0.7385	104.5982	-401.786	-1996.565	-6.036
Base	16	48	U10	Combination	Max	1.6106	9.1619	110.1236	1685.873	256.099	37.18
Base	16	48	U10	Combination	Min	0.1775	-6.5507	107.1453	-2225.207	-113.261	-31.96
Base	16	48	U11	Combination		0.4668	0.8074	67.909	-162.71	10.172	1.613
Base	16	48	U12	Combination		0.4668	0.8074	67.909	-162.71	10.172	1.613
Base	16	48	U13	Combination	Max	7.9342	3.7313	72.392	556.072	2133.56	20.631
Base	16	48	U13	Combination	Min	-7.0006	-2.1166	63.426	-881.491	-2113.216	-17.405
Base	16	48	U14	Combination	Max	3.3591	8.8338	70.609	1832.466	815.248	38.777
Base	16	48	U14	Combination	Min	-2.4255	-7.2191	65.209	-2157.885	-794.904	-35.551
Base	16	48	U15	Combination	Max	7.7192	1.3744	71.9453	-30.59	2078.156	10.26
Base	16	48	U15	Combination	Min	-6.7856	0.2403	63.8727	-294.829	-2057.812	-7.034
Base	16	48	U16	Combination	Max	1.1833	8.6637	69.3981	1792.83	194.852	36.183
Base	16	48	U16	Combination	Min	-0.2497	-7.0489	66.4198	-2118.25	-174.509	-32.957
Base	16	48	S1	Combination		0.5187	0.8971	75.4544	-180.789	11.302	1.792
Base	16	48	S2	Combination		0.7903	1.1262	93.5436	-233.509	69.159	2.252
Base	16	48	S3	Combination		0.5187	0.8971	75.4544	-180.789	11.302	1.792
Base	16	48	S4	Combination		0.7224	1.0689	89.0213	-220.329	54.694	2.137
Base	16	48	S5	Combination		0.5187	0.8971	75.4544	-180.789	11.302	1.792
Base	16	48	S6	Combination		0.5187	0.8971	75.4544	-180.789	11.302	1.792
Base	16	48	S7	Combination	Max	2.5433	6.5156	77.3445	1215.834	574.855	27.807

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	16	48	S7	Combination	Min	-1.5059	-4.7214	73.5644	-1577.412	-552.251	-24.223
Base	16	48	S8	Combination	Max	2.5433	6.5156	77.3445	1215.834	574.855	27.807
Base	16	48	S8	Combination	Min	-1.5059	-4.7214	73.5644	-1577.412	-552.251	-24.223
Base	16	48	S9	Combination	Max	5.5954	1.294	78.2798	-88.305	1458.891	7.845
Base	16	48	S9	Combination	Min	-4.558	0.5001	72.629	-273.272	-1436.287	-4.261
Base	16	48	S10	Combination	Max	1.0203	6.3965	76.4968	1188.089	140.578	25.991
Base	16	48	S10	Combination	Min	0.0171	-4.6023	74.412	-1549.667	-117.974	-22.407
Base	16	48	S11	Combination		0.7224	1.0689	89.0213	-220.329	54.694	2.137
Base	16	48	S12	Combination		0.7224	1.0689	89.0213	-220.329	54.694	2.137
Base	16	48	S13	Combination	Max	4.6443	2.6049	91.3758	157.253	1169.905	12.127
Base	16	48	S13	Combination	Min	-3.1995	-0.4671	86.6667	-597.911	-1060.516	-7.853
Base	16	48	S14	Combination	Max	2.2417	5.2844	90.4395	827.542	477.603	21.656
Base	16	48	S14	Combination	Min	-0.7969	-3.1466	87.6031	-1268.201	-368.214	-17.382
Base	16	48	S15	Combination	Max	4.5314	1.3667	91.1411	-150.94	1140.8	6.678
Base	16	48	S15	Combination	Min	-3.0866	0.7711	86.9014	-289.718	-1031.411	-2.404
Base	16	48	S16	Combination	Max	1.0987	5.195	89.8034	806.72	151.689	20.293
Base	16	48	S16	Combination	Min	0.3461	-3.0572	88.2392	-1247.379	-42.3	-16.019
Base	16	48	S17	Combination		0.0311	0.0538	4.5273	-10.847	0.678	0.108
Base	16	48	S18	Combination		0.0311	0.0538	4.5273	-10.847	0.678	0.108
Base	16	48	S19	Combination	Max	5.2583	2.1006	7.6654	492.3	1487.05	13.42
Base	16	48	S19	Combination	Min	-5.1961	-1.9929	1.3891	-513.994	-1485.694	-13.205
Base	16	48	S20	Combination	Max	2.0557	5.6723	6.4173	1385.776	564.231	26.122
Base	16	48	S20	Combination	Min	-1.9935	-5.5647	2.6372	-1407.47	-562.875	-25.907
Base	16	48	S21	Combination	Max	5.1078	0.4508	7.3527	81.636	1448.267	6.16
Base	16	48	S21	Combination	Min	-5.0456	-0.3431	1.7019	-103.331	-1446.911	-5.945
Base	16	48	S22	Combination	Max	0.5327	5.5532	5.5697	1358.031	129.954	24.307
Base	16	48	S22	Combination	Min	-0.4705	-5.4456	3.4849	-1379.725	-128.598	-24.092
Base	16	48	Dx	Combination	Max	24.1018	3.1202	121.5505	153.124	6688.951	30.28
Base	16	48	Dx	Combination	Min	-22.3137	-0.509	95.7184	-692.458	-6546.113	-25.06
Base	16	48	Dy	Combination	Max	3.187	26.446	113.3998	5988.118	662.404	113.236
Base	16	48	Dy	Combination	Min	-1.3989	-23.8348	103.8692	-6527.452	-519.566	-108.015
Base	16	48	Dx-1	Combination	Max	23.6745	2.622	80.8251	260.082	6627.704	29.283
Base	16	48	Dx-1	Combination	Min	-22.7409	-1.0072	54.9929	-585.501	-6607.36	-26.057
Base	16	48	Dy-1	Combination	Max	2.7598	25.9478	72.6743	6095.075	601.157	112.238
Base	16	48	Dy-1	Combination	Min	-1.8261	-24.333	63.1437	-6420.494	-580.813	-109.013
Base	16	48	Dx-Um	Combination	Max	6.6732	1.6803	111.8787	-178.035	1727.755	9.366
Base	16	48	Dx-Um	Combination	Min	-4.8851	0.9309	105.3903	-361.299	-1584.917	-4.145
Base	16	48	Dx-1 -Um	Combination	Max	6.2459	1.1821	71.1532	-71.077	1666.508	8.368
Base	16	48	Dx-1 -Um	Combination	Min	-5.3123	0.4327	64.6648	-254.342	-1646.164	-5.143
Base	16	48	Dy-Um	Combination	Max	1.3995	7.3372	109.8049	1234.061	207.77	28.905
Base	16	48	Dy-Um	Combination	Min	0.3886	-4.726	107.464	-1773.395	-64.932	-23.684
Base	16	48	Dy-1-Um	Combination	Max	0.9723	6.839	69.0795	1341.019	146.523	27.907
Base	16	48	Dy-1-Um	Combination	Min	-0.0386	-5.2242	66.7385	-1666.438	-126.18	-24.681

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	17	51	Dead	LinStatic		-2.6531	0.5712	43.9365	-148.306	-105.962	1.792
Base	17	51	Live	LinStatic		-0.8064	0.1538	10.0706	-45.472	-82.641	0.46
Base	17	51	Sx-FHE	LinStatic		-36.4111	-0.2671	28.7225	123.267	-10786.724	-8.094
Base	17	51	Sy-FHE	LinStatic		0.2229	-38.9872	9.3266	10357.174	116.097	29.105
Base	17	51	Lr	LinStatic		0	0	0	0	0	0
Base	17	51	Sx-FHE+Exc	LinStatic		-35.8565	2.3025	27.2209	-582.098	-10594.673	28.946
Base	17	51	Sx-FHE-Exc	LinStatic		-36.9657	-2.8367	30.2242	828.631	-10978.775	-45.134
Base	17	51	Sy-FHE+Exc	LinStatic		-0.5562	-42.5967	11.436	11347.982	-153.672	-22.924
Base	17	51	Sy-FHE-Exc	LinStatic		1.0019	-35.3778	7.2173	9366.366	385.867	81.134
Base	17	51	W-	LinStatic		0	0	0	0	0	0
Base	17	51	W+	LinStatic		0	0	0	0	0	0
Base	17	51	F	LinStatic		0	0	0	0	0	0
Base	17	51	He	LinStatic		0	0	0	0	0	0
Base	17	51	Sx	LinRespSpec	Max	27.2763	3.2915	22.2364	821.391	8043.907	34.587
Base	17	51	Sy	LinRespSpec	Max	2.7408	25.9633	6.608	6882.144	719.205	138.28
Base	17	51	Sx-Der	LinRespSpec	Max	21.821	2.6333	17.789	657.123	6435.11	27.67
Base	17	51	Sy-Der	LinRespSpec	Max	2.1926	20.771	5.2865	5505.79	575.372	110.626
Base	17	51	Sx-Um	LinRespSpec	Max	5.4283	0.5738	4.4691	149.735	1610.383	6.755
Base	17	51	Sy-Um	LinRespSpec	Max	0.4754	4.8776	1.2097	1296.634	131.849	26.294
Base	17	51	U1	Combination		-3.7144	0.7997	61.511	-207.628	-148.347	2.509
Base	17	51	U2	Combination		-4.4739	0.9315	68.8367	-250.722	-259.38	2.886
Base	17	51	U3	Combination		-3.9901	0.8393	62.7944	-223.439	-209.796	2.61
Base	17	51	U4	Combination		-3.9901	0.8393	62.7944	-223.439	-209.796	2.61
Base	17	51	U5	Combination		-3.9901	0.8393	62.7944	-223.439	-209.796	2.61
Base	17	51	U6	Combination		-3.9901	0.8393	62.7944	-223.439	-209.796	2.61
Base	17	51	U7	Combination	Max	3.0345	3.6094	68.8491	498.07	1855.122	21.628
Base	17	51	U7	Combination	Min	-11.0147	-1.9309	56.7397	-944.947	-2274.713	-16.407
Base	17	51	U8	Combination	Max	-1.2592	7.577	66.1141	1558.701	573.299	39.775
Base	17	51	U8	Combination	Min	-6.721	-5.8984	59.4746	-2005.579	-992.89	-34.554
Base	17	51	U9	Combination	Max	2.8289	1.6621	68.3535	-18.091	1801.181	11.257
Base	17	51	U9	Combination	Min	-10.8092	0.0164	57.2353	-428.787	-2220.772	-6.036
Base	17	51	U10	Combination	Max	-3.3049	7.3301	64.4464	1497.097	-29.994	37.18
Base	17	51	U10	Combination	Min	-4.6753	-5.6516	61.1424	-1943.975	-389.597	-31.96
Base	17	51	U11	Combination		-2.3878	0.5141	39.5428	-133.475	-95.366	1.613
Base	17	51	U12	Combination		-2.3878	0.5141	39.5428	-133.475	-95.366	1.613
Base	17	51	U13	Combination	Max	4.6368	3.2842	45.5975	588.034	1969.551	20.631
Base	17	51	U13	Combination	Min	-9.4124	-2.256	33.4881	-854.984	-2160.283	-17.405
Base	17	51	U14	Combination	Max	0.3431	7.2518	42.8625	1648.665	687.728	38.777
Base	17	51	U14	Combination	Min	-5.1187	-6.2236	36.2231	-1915.615	-878.46	-35.551
Base	17	51	U15	Combination	Max	4.4312	1.337	45.1019	71.873	1915.61	10.26
Base	17	51	U15	Combination	Min	-9.2069	-0.3088	33.9837	-338.823	-2106.343	-7.034
Base	17	51	U16	Combination	Max	-1.7026	7.0049	41.1948	1587.061	84.435	36.183
Base	17	51	U16	Combination	Min	-3.073	-5.9768	37.8908	-1854.011	-275.167	-32.957
Base	17	51	S1	Combination		-2.6531	0.5712	43.9365	-148.306	-105.962	1.792
Base	17	51	S2	Combination		-3.4595	0.725	54.0071	-193.778	-188.603	2.252
Base	17	51	S3	Combination		-2.6531	0.5712	43.9365	-148.306	-105.962	1.792
Base	17	51	S4	Combination		-3.2579	0.6866	51.4894	-182.41	-167.943	2.137
Base	17	51	S5	Combination		-2.6531	0.5712	43.9365	-148.306	-105.962	1.792

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	17	51	S6	Combination		-2.6531	0.5712	43.9365	-148.306	-105.962	1.792
Base	17	51	S7	Combination	Max	-0.7415	5.2876	46.2603	1099.193	442.203	27.807
Base	17	51	S7	Combination	Min	-4.5648	-4.1452	41.6126	-1395.804	-654.128	-24.223
Base	17	51	S8	Combination	Max	-0.7415	5.2876	46.2603	1099.193	442.203	27.807
Base	17	51	S8	Combination	Min	-4.5648	-4.1452	41.6126	-1395.804	-654.128	-24.223
Base	17	51	S9	Combination	Max	2.1202	1.1472	47.8278	-4.562	1301.721	7.845
Base	17	51	S9	Combination	Min	-7.4265	-0.0048	40.0451	-292.049	-1513.646	-4.261
Base	17	51	S10	Combination	Max	-2.1735	5.1148	45.0929	1056.07	19.898	25.991
Base	17	51	S10	Combination	Min	-3.1328	-3.9724	42.7801	-1352.681	-231.823	-22.407
Base	17	51	S11	Combination		-3.2579	0.6866	51.4894	-182.41	-167.943	2.137
Base	17	51	S12	Combination		-3.2579	0.6866	51.4894	-182.41	-167.943	2.137
Base	17	51	S13	Combination	Max	0.4315	2.1417	54.6694	196.595	916.559	12.127
Base	17	51	S13	Combination	Min	-6.9473	-0.7686	48.3094	-561.415	-1252.445	-7.853
Base	17	51	S14	Combination	Max	-1.8234	4.2252	53.2332	753.579	243.419	21.656
Base	17	51	S14	Combination	Min	-4.6925	-2.8521	49.7457	-1118.398	-579.304	-17.382
Base	17	51	S15	Combination	Max	0.3235	1.1187	54.4091	-74.561	888.222	6.678
Base	17	51	S15	Combination	Min	-6.8393	0.2544	48.5698	-290.258	-1224.108	-2.404
Base	17	51	S16	Combination	Max	-2.898	4.0955	52.3571	721.216	-73.511	20.293
Base	17	51	S16	Combination	Min	-3.6178	-2.7224	50.6218	-1086.035	-262.374	-16.019
Base	17	51	S17	Combination		-0.1592	0.0343	2.6362	-8.898	-6.358	0.108
Base	17	51	S18	Combination		-0.1592	0.0343	2.6362	-8.898	-6.358	0.108
Base	17	51	S19	Combination	Max	4.758	1.9734	6.8745	496.158	1439.084	13.42
Base	17	51	S19	Combination	Min	-5.0764	-1.9048	-1.6021	-513.954	-1451.8	-13.205
Base	17	51	S20	Combination	Max	1.7524	4.7507	4.96	1238.6	541.808	26.122
Base	17	51	S20	Combination	Min	-2.0708	-4.6821	0.3124	-1256.397	-554.524	-25.907
Base	17	51	S21	Combination	Max	4.6142	0.6103	6.5276	134.845	1401.326	6.16
Base	17	51	S21	Combination	Min	-4.9325	-0.5417	-1.2552	-152.642	-1414.041	-5.945
Base	17	51	S22	Combination	Max	0.3204	4.5779	3.7926	1195.477	119.503	24.307
Base	17	51	S22	Combination	Min	-0.6388	-4.5093	1.4798	-1213.273	-132.219	-24.092
Base	17	51	Dx	Combination	Max	17.8308	3.4725	80.5834	433.684	6225.314	30.28
Base	17	51	Dx	Combination	Min	-25.8111	-1.794	45.0053	-880.562	-6644.905	-25.06
Base	17	51	Dy	Combination	Max	-1.7975	21.6102	68.0809	5282.351	365.577	113.236
Base	17	51	Dy	Combination	Min	-6.1828	-19.9317	57.5078	-5729.229	-785.168	-108.015
Base	17	51	Dx-1	Combination	Max	19.4331	3.1473	57.3318	523.648	6339.743	29.283
Base	17	51	Dx-1	Combination	Min	-24.2088	-2.1192	21.7538	-790.598	-6530.476	-26.057
Base	17	51	Dy-1	Combination	Max	-0.1952	21.285	44.8293	5372.315	480.006	112.238
Base	17	51	Dy-1	Combination	Min	-4.5805	-20.2569	34.2563	-5639.265	-670.738	-109.013
Base	17	51	Dx-Um	Combination	Max	1.4382	1.4131	67.2635	-73.704	1400.587	9.366
Base	17	51	Dx-Um	Combination	Min	-9.4184	0.2654	58.3252	-373.174	-1820.178	-4.145
Base	17	51	Dx-1 -Um	Combination	Max	3.0405	1.0879	44.0119	16.26	1515.016	8.368
Base	17	51	Dx-1 -Um	Combination	Min	-7.8161	-0.0598	35.0737	-283.21	-1705.749	-5.143
Base	17	51	Dy-Um	Combination	Max	-3.5147	5.7169	64.004	1073.195	-77.947	28.905
Base	17	51	Dy-Um	Combination	Min	-4.4655	-4.0384	61.5847	-1520.073	-341.644	-23.684
Base	17	51	Dy-1-Um	Combination	Max	-1.9124	5.3917	40.7525	1163.159	36.482	27.907
Base	17	51	Dy-1-Um	Combination	Min	-2.8632	-4.3635	38.3332	-1430.109	-227.215	-24.681
Base	18	54	Dead	LinStatic		2.8344	0.2293	26.5878	-10.317	252.584	0.232
Base	18	54	Live	LinStatic		0.8284	0.0653	6.369	-10.458	112.718	0.06
Base	18	54	Sx-FHE	LinStatic		-9.9936	0.16	-5.2293	-35.653	-2109.093	-1.049

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	18	54	Sy-FHE	LinStatic		0.3811	-10.51	4.6167	2167.068	77.753	3.772
Base	18	54	Lr	LinStatic		0	0	0	0	0	0
Base	18	54	Sx-FHE+Exc	LinStatic		-9.5361	-0.794	-4.5844	161.299	-2012.603	3.751
Base	18	54	Sx-FHE-Exc	LinStatic		-10.4512	1.114	-5.8742	-232.604	-2205.583	-5.849
Base	18	54	Sy-FHE+Exc	LinStatic		-0.2617	-9.1699	3.7108	1890.415	-57.784	-2.971
Base	18	54	Sy-FHE-Exc	LinStatic		1.0239	-11.8501	5.5225	2443.721	213.29	10.515
Base	18	54	W-	LinStatic		0	0	0	0	0	0
Base	18	54	W+	LinStatic		0	0	0	0	0	0
Base	18	54	F	LinStatic		0	0	0	0	0	0
Base	18	54	He	LinStatic		0	0	0	0	0	0
Base	18	54	Sx	LinRespSpec	Max	7.583	0.8906	4.1522	184.723	1600.325	4.483
Base	18	54	Sy	LinRespSpec	Max	1.5766	9.3719	4.5597	1932.627	331.569	17.921
Base	18	54	Sx-Der	LinRespSpec	Max	6.0664	0.7124	3.3217	147.779	1280.255	3.586
Base	18	54	Sy-Der	LinRespSpec	Max	1.2613	7.4976	3.6478	1546.107	265.258	14.337
Base	18	54	Sx-Um	LinRespSpec	Max	1.5244	0.1743	0.8381	36.2	321.706	0.876
Base	18	54	Sy-Um	LinRespSpec	Max	0.3012	1.8473	0.9012	380.956	63.32	3.408
Base	18	54	U1	Combination		3.9681	0.3211	37.223	-14.444	353.618	0.325
Base	18	54	U2	Combination		4.7267	0.3797	42.0957	-29.113	483.45	0.374
Base	18	54	U3	Combination		4.2296	0.3405	38.2744	-22.839	415.819	0.338
Base	18	54	U4	Combination		4.2296	0.3405	38.2744	-22.839	415.819	0.338
Base	18	54	U5	Combination		4.2296	0.3405	38.2744	-22.839	415.819	0.338
Base	18	54	U6	Combination		4.2296	0.3405	38.2744	-22.839	415.819	0.338
Base	18	54	U7	Combination	Max	6.2436	1.2661	39.6544	168.289	840.768	2.803
Base	18	54	U7	Combination	Min	2.2156	-0.585	36.8943	-213.966	-9.13	-2.126
Base	18	54	U8	Combination	Max	5.1925	2.7503	39.7257	474.172	618.736	5.155
Base	18	54	U8	Combination	Min	3.2668	-2.0693	36.823	-519.85	212.902	-4.478
Base	18	54	U9	Combination	Max	6.1254	0.5632	39.3124	23.342	815.9	1.459
Base	18	54	U9	Combination	Min	2.3339	0.1179	37.2363	-69.019	15.738	-0.782
Base	18	54	U10	Combination	Max	4.6238	2.6835	39.4143	460.318	498.712	4.819
Base	18	54	U10	Combination	Min	3.8355	-2.0025	37.1344	-505.995	332.927	-4.142
Base	18	54	U11	Combination		2.551	0.2064	23.9291	-9.286	227.326	0.209
Base	18	54	U12	Combination		2.551	0.2064	23.9291	-9.286	227.326	0.209
Base	18	54	U13	Combination	Max	4.5649	1.1319	25.3091	181.842	652.275	2.674
Base	18	54	U13	Combination	Min	0.537	-0.7191	22.549	-200.413	-197.623	-2.256
Base	18	54	U14	Combination	Max	3.5138	2.6162	25.3804	487.725	430.242	5.025
Base	18	54	U14	Combination	Min	1.5881	-2.2034	22.4777	-506.297	24.409	-4.607
Base	18	54	U15	Combination	Max	4.4467	0.429	24.9671	36.895	627.407	1.33
Base	18	54	U15	Combination	Min	0.6552	-0.0162	22.891	-55.466	-172.755	-0.912
Base	18	54	U16	Combination	Max	2.9451	2.5494	25.069	473.871	310.218	4.689
Base	18	54	U16	Combination	Min	2.1568	-2.1366	22.7891	-492.442	144.433	-4.271
Base	18	54	S1	Combination		2.8344	0.2293	26.5878	-10.317	252.584	0.232
Base	18	54	S2	Combination		3.6628	0.2947	32.9568	-20.775	365.302	0.292
Base	18	54	S3	Combination		2.8344	0.2293	26.5878	-10.317	252.584	0.232
Base	18	54	S4	Combination		3.4557	0.2783	31.3646	-18.161	337.123	0.277
Base	18	54	S5	Combination		2.8344	0.2293	26.5878	-10.317	252.584	0.232
Base	18	54	S6	Combination		2.8344	0.2293	26.5878	-10.317	252.584	0.232
Base	18	54	S7	Combination	Max	3.5084	1.9162	27.6038	337.59	394.626	3.604
Base	18	54	S7	Combination	Min	2.1604	-1.4575	25.5719	-358.225	110.542	-3.139

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	18	54	S8	Combination	Max	3.5084	1.9162	27.6038	337.59	394.626	3.604
Base	18	54	S8	Combination	Min	2.1604	-1.4575	25.5719	-358.225	110.542	-3.139
Base	18	54	S9	Combination	Max	4.1614	0.3852	27.3145	22.009	532.641	1.017
Base	18	54	S9	Combination	Min	1.5074	0.0735	25.8612	-42.644	-27.473	-0.552
Base	18	54	S10	Combination	Max	3.1103	1.8694	27.3858	327.892	310.609	3.368
Base	18	54	S10	Combination	Min	2.5585	-1.4108	25.7899	-348.527	194.56	-2.904
Base	18	54	S11	Combination		3.4557	0.2783	31.3646	-18.161	337.123	0.277
Base	18	54	S12	Combination		3.4557	0.2783	31.3646	-18.161	337.123	0.277
Base	18	54	S13	Combination	Max	4.5134	0.7645	32.0894	82.239	560.309	1.572
Base	18	54	S13	Combination	Min	2.3979	-0.2079	30.6397	-118.56	113.936	-1.018
Base	18	54	S14	Combination	Max	3.9614	1.5439	32.1268	242.871	443.711	2.807
Base	18	54	S14	Combination	Min	2.9499	-0.9873	30.6023	-279.193	230.535	-2.253
Base	18	54	S15	Combination	Max	4.4513	0.3953	31.9097	6.093	547.245	0.866
Base	18	54	S15	Combination	Min	2.46	0.1614	30.8194	-42.415	127	-0.312
Base	18	54	S16	Combination	Max	3.6627	1.5089	31.9633	235.593	380.658	2.63
Base	18	54	S16	Combination	Min	3.2487	-0.9522	30.7659	-271.915	293.588	-2.076
Base	18	54	S17	Combination		0.1701	0.0138	1.5953	-0.619	15.155	0.014
Base	18	54	S18	Combination		0.1701	0.0138	1.5953	-0.619	15.155	0.014
Base	18	54	S19	Combination	Max	1.5799	0.6616	2.5613	133.17	312.619	1.739
Base	18	54	S19	Combination	Min	-1.2397	-0.6341	0.6293	-134.409	-282.309	-1.711
Base	18	54	S20	Combination	Max	0.8441	1.7006	2.6112	347.289	157.197	3.385
Base	18	54	S20	Combination	Min	-0.504	-1.6731	0.5793	-348.527	-126.887	-3.358
Base	18	54	S21	Combination	Max	1.4971	0.1696	2.3219	31.708	295.212	0.798
Base	18	54	S21	Combination	Min	-1.157	-0.1421	0.8686	-32.946	-264.902	-0.771
Base	18	54	S22	Combination	Max	0.446	1.6538	2.3932	337.591	73.18	3.15
Base	18	54	S22	Combination	Min	-0.1058	-1.6263	0.7973	-338.829	-42.87	-3.122
Base	18	54	Dx	Combination	Max	10.296	1.053	41.5961	124.94	1696.075	3.924
Base	18	54	Dx	Combination	Min	-1.8367	-0.3719	34.9526	-170.617	-864.436	-3.248
Base	18	54	Dy	Combination	Max	5.4909	7.8381	41.9222	1523.268	681.077	14.675
Base	18	54	Dy	Combination	Min	2.9683	-7.157	34.6266	-1568.945	150.561	-13.999
Base	18	54	Dx-1	Combination	Max	8.6173	0.9189	27.2508	138.493	1507.581	3.795
Base	18	54	Dx-1	Combination	Min	-3.5154	-0.506	20.6073	-157.064	-1052.93	-3.377
Base	18	54	Dy-1	Combination	Max	3.8123	7.704	27.5768	1536.821	492.584	14.546
Base	18	54	Dy-1	Combination	Min	1.2896	-7.2912	20.2813	-1555.392	-37.933	-14.128
Base	18	54	Dx-Um	Combination	Max	5.754	0.5148	39.1124	13.361	737.525	1.214
Base	18	54	Dx-Um	Combination	Min	2.7053	0.1662	37.4363	-59.038	94.113	-0.537
Base	18	54	Dx-1 -Um	Combination	Max	4.0753	0.3807	24.7671	26.914	549.031	1.085
Base	18	54	Dx-1 -Um	Combination	Min	1.0266	0.0321	23.091	-45.485	-94.38	-0.666
Base	18	54	Dy-Um	Combination	Max	4.5309	2.1878	39.1756	358.117	479.139	3.746
Base	18	54	Dy-Um	Combination	Min	3.9284	-1.5068	37.3732	-403.795	352.499	-3.069
Base	18	54	Dy-1-Um	Combination	Max	2.8522	2.0537	24.8302	371.671	290.646	3.617
Base	18	54	Dy-1-Um	Combination	Min	2.2497	-1.6409	23.0279	-390.242	164.005	-3.199
Base	19	57	Dead	LinStatic		-2.1269	0.1897	25.8949	-6.312	-133.252	0.232
Base	19	57	Live	LinStatic		-0.6346	0.055	6.3606	-9.417	-80.764	0.06
Base	19	57	Sx-FHE	LinStatic		-9.6222	0.1306	5.2772	-26.178	-2059.964	-1.049
Base	19	57	Sy-FHE	LinStatic		0.3095	-10.5284	1.968	2149.411	68.291	3.772
Base	19	57	Lr	LinStatic		0	0	0	0	0	0
Base	19	57	Sx-FHE+Exc	LinStatic		-9.1807	-0.4956	5.1861	101.849	-1965.601	3.751

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	19	57	Sx-FHE-Exc	LinStatic		-10.0637	0.7568	5.3684	-154.205	-2154.328	-5.849
Base	19	57	Sy-FHE+Exc	LinStatic		-0.3106	-9.6488	2.096	1969.575	-64.26	-2.971
Base	19	57	Sy-FHE-Exc	LinStatic		0.9297	-11.4079	1.8401	2329.248	200.841	10.515
Base	19	57	W-	LinStatic		0	0	0	0	0	0
Base	19	57	W+	LinStatic		0	0	0	0	0	0
Base	19	57	F	LinStatic		0	0	0	0	0	0
Base	19	57	He	LinStatic		0	0	0	0	0	0
Base	19	57	Sx	LinRespSpec	Max	7.3021	0.631	3.9457	128.558	1563.171	4.483
Base	19	57	Sy	LinRespSpec	Max	1.5024	8.6628	1.3912	1768.765	321.753	17.921
Base	19	57	Sx-Der	LinRespSpec	Max	5.8416	0.5048	3.1565	102.846	1250.533	3.586
Base	19	57	Sy-Der	LinRespSpec	Max	1.2019	6.9302	1.113	1415.017	257.405	14.337
Base	19	57	Sx-Um	LinRespSpec	Max	1.4679	0.1232	0.7918	25.106	314.235	0.876
Base	19	57	Sy-Um	LinRespSpec	Max	0.2863	1.7045	0.2656	348.041	61.35	3.408
Base	19	57	U1	Combination		-2.9777	0.2656	36.2529	-8.836	-186.552	0.325
Base	19	57	U2	Combination		-3.5676	0.3157	41.2509	-22.641	-289.124	0.374
Base	19	57	U3	Combination		-3.1869	0.2827	37.4346	-16.991	-240.666	0.338
Base	19	57	U4	Combination		-3.1869	0.2827	37.4346	-16.991	-240.666	0.338
Base	19	57	U5	Combination		-3.1869	0.2827	37.4346	-16.991	-240.666	0.338
Base	19	57	U6	Combination		-3.1869	0.2827	37.4346	-16.991	-240.666	0.338
Base	19	57	U7	Combination	Max	-1.2487	1.0901	38.5253	147.806	174.258	2.803
Base	19	57	U7	Combination	Min	-5.1251	-0.5248	36.3438	-181.788	-655.59	-2.126
Base	19	57	U8	Combination	Max	-2.2636	2.4957	38.0783	434.842	-42.99	5.155
Base	19	57	U8	Combination	Min	-4.1101	-1.9303	36.7908	-468.824	-438.342	-4.478
Base	19	57	U9	Combination	Max	-1.3614	0.4404	38.421	15.149	150.127	1.459
Base	19	57	U9	Combination	Min	-5.0124	0.1249	36.4481	-49.13	-631.459	-0.782
Base	19	57	U10	Combination	Max	-2.8113	2.4484	37.7823	425.2	-160.228	4.819
Base	19	57	U10	Combination	Min	-3.5625	-1.883	37.0868	-459.182	-321.104	-4.142
Base	19	57	U11	Combination		-1.9142	0.1707	23.3054	-5.68	-119.927	0.209
Base	19	57	U12	Combination		-1.9142	0.1707	23.3054	-5.68	-119.927	0.209
Base	19	57	U13	Combination	Max	0.024	0.9782	24.3962	159.116	294.998	2.674
Base	19	57	U13	Combination	Min	-3.8524	-0.6367	22.2147	-170.477	-534.851	-2.256
Base	19	57	U14	Combination	Max	-0.991	2.3837	23.9492	446.153	77.75	5.025
Base	19	57	U14	Combination	Min	-2.8375	-2.0423	22.6617	-457.513	-317.603	-4.607
Base	19	57	U15	Combination	Max	-0.0887	0.3285	24.2919	26.459	270.866	1.33
Base	19	57	U15	Combination	Min	-3.7397	0.013	22.319	-37.82	-510.719	-0.912
Base	19	57	U16	Combination	Max	-1.5386	2.3364	23.6532	436.511	-39.488	4.689
Base	19	57	U16	Combination	Min	-2.2898	-1.995	22.9576	-447.872	-200.365	-4.271
Base	19	57	S1	Combination		-2.1269	0.1897	25.8949	-6.312	-133.252	0.232
Base	19	57	S2	Combination		-2.7615	0.2447	32.2556	-15.728	-214.015	0.292
Base	19	57	S3	Combination		-2.1269	0.1897	25.8949	-6.312	-133.252	0.232
Base	19	57	S4	Combination		-2.6029	0.231	30.6654	-13.374	-193.825	0.277
Base	19	57	S5	Combination		-2.1269	0.1897	25.8949	-6.312	-133.252	0.232
Base	19	57	S6	Combination		-2.1269	0.1897	25.8949	-6.312	-133.252	0.232
Base	19	57	S7	Combination	Max	-1.4806	1.7388	26.3455	309.972	5.122	3.604
Base	19	57	S7	Combination	Min	-2.7732	-1.3594	25.4443	-322.595	-271.625	-3.139
Base	19	57	S8	Combination	Max	-1.4806	1.7388	26.3455	309.972	5.122	3.604
Base	19	57	S8	Combination	Min	-2.7732	-1.3594	25.4443	-322.595	-271.625	-3.139
Base	19	57	S9	Combination	Max	-0.849	0.3001	26.5854	16.186	140.303	1.017

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	19	57	S9	Combination	Min	-3.4048	0.0793	25.2044	-28.809	-406.807	-0.552
Base	19	57	S10	Combination	Max	-1.864	1.7057	26.1384	303.222	-76.945	3.368
Base	19	57	S10	Combination	Min	-2.3898	-1.3263	25.6515	-315.845	-189.558	-2.904
Base	19	57	S11	Combination		-2.6029	0.231	30.6654	-13.374	-193.825	0.277
Base	19	57	S12	Combination		-2.6029	0.231	30.6654	-13.374	-193.825	0.277
Base	19	57	S13	Combination	Max	-1.5849	0.6551	31.2383	73.195	24.097	1.572
Base	19	57	S13	Combination	Min	-3.6208	-0.1932	30.0925	-99.943	-411.746	-1.018
Base	19	57	S14	Combination	Max	-2.1179	1.3933	31.0035	223.93	-89.989	2.807
Base	19	57	S14	Combination	Min	-3.0878	-0.9313	30.3273	-250.678	-297.66	-2.253
Base	19	57	S15	Combination	Max	-1.6441	0.3138	31.1835	3.505	11.42	0.866
Base	19	57	S15	Combination	Min	-3.5616	0.1481	30.1473	-30.254	-399.069	-0.312
Base	19	57	S16	Combination	Max	-2.4056	1.3684	30.8481	218.865	-151.578	2.63
Base	19	57	S16	Combination	Min	-2.8001	-0.9064	30.4827	-245.613	-236.071	-2.076
Base	19	57	S17	Combination		-0.1276	0.0114	1.5537	-0.379	-7.995	0.014
Base	19	57	S18	Combination		-0.1276	0.0114	1.5537	-0.379	-7.995	0.014
Base	19	57	S19	Combination	Max	1.2291	0.5766	2.3172	114.979	282.452	1.739
Base	19	57	S19	Combination	Min	-1.4844	-0.5538	0.7902	-115.736	-298.442	-1.711
Base	19	57	S20	Combination	Max	0.5187	1.5605	2.0043	315.904	130.378	3.385
Base	19	57	S20	Combination	Min	-0.7739	-1.5377	1.1031	-316.662	-146.368	-3.358
Base	19	57	S21	Combination	Max	1.1502	0.1218	2.2442	22.119	265.56	0.798
Base	19	57	S21	Combination	Min	-1.4055	-0.099	0.8632	-22.876	-281.55	-0.771
Base	19	57	S22	Combination	Max	0.1353	1.5274	1.7972	309.155	48.312	3.15
Base	19	57	S22	Combination	Min	-0.3905	-1.5046	1.3102	-309.913	-64.302	-3.122
Base	19	57	Dx	Combination	Max	2.6548	0.7875	40.5911	85.856	1009.867	3.924
Base	19	57	Dx	Combination	Min	-9.0285	-0.2221	34.278	-119.837	-1491.198	-3.248
Base	19	57	Dy	Combination	Max	-1.985	7.2129	38.5475	1398.026	16.739	14.675
Base	19	57	Dy	Combination	Min	-4.3888	-6.6476	36.3216	-1432.008	-498.071	-13.999
Base	19	57	Dx-1	Combination	Max	3.9274	0.6755	26.462	97.166	1130.606	3.795
Base	19	57	Dx-1	Combination	Min	-7.7558	-0.3341	20.1489	-108.527	-1370.459	-3.377
Base	19	57	Dy-1	Combination	Max	-0.7123	7.101	24.4184	1409.337	137.479	14.546
Base	19	57	Dy-1	Combination	Min	-3.1161	-6.7595	22.1925	-1420.697	-377.332	-14.128
Base	19	57	Dx-Um	Combination	Max	-1.719	0.4059	38.2264	8.115	73.57	1.214
Base	19	57	Dx-Um	Combination	Min	-4.6548	0.1595	36.6427	-42.097	-554.901	-0.537
Base	19	57	Dx-1 -Um	Combination	Max	-0.4463	0.2939	24.0972	19.426	194.309	1.085
Base	19	57	Dx-1 -Um	Combination	Min	-3.3821	0.0475	22.5136	-30.787	-434.162	-0.666
Base	19	57	Dy-Um	Combination	Max	-2.9005	1.9872	37.7002	331.05	-179.316	3.746
Base	19	57	Dy-Um	Combination	Min	-3.4732	-1.4218	37.1689	-365.031	-302.015	-3.069
Base	19	57	Dy-1-Um	Combination	Max	-1.6279	1.8752	23.5711	342.36	-58.577	3.617
Base	19	57	Dy-1-Um	Combination	Min	-2.2005	-1.5338	23.0398	-353.721	-181.276	-3.199
Base	20	60	Dead	LinStatic		0.848	0.5276	75.453	-187.408	60.539	1.792
Base	20	60	Live	LinStatic		0.3502	0.1334	18.2703	-40.243	69.716	0.46
Base	20	60	Sx-FHE	LinStatic		-36.5437	-0.1964	-30.1979	68.936	-10832.509	-8.094
Base	20	60	Sy-FHE	LinStatic		0.4408	-46.093	-6.3161	11445.526	247.01	29.105
Base	20	60	Lr	LinStatic		0	0	0	0	0	0
Base	20	60	Sx-FHE+Exc	LinStatic		-35.297	1.1611	-28.4853	-271.987	-10419.8	28.946
Base	20	60	Sx-FHE-Exc	LinStatic		-37.7904	-1.5539	-31.9104	409.859	-11245.217	-45.134
Base	20	60	Sy-FHE+Exc	LinStatic		-1.3104	-47.9999	-8.7216	11924.412	-332.712	-22.924
Base	20	60	Sy-FHE-Exc	LinStatic		2.1921	-44.1862	-3.9106	10966.64	826.731	81.134

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	20	60	W-	LinStatic		0	0	0	0	0	0
Base	20	60	W+	LinStatic		0	0	0	0	0	0
Base	20	60	F	LinStatic		0	0	0	0	0	0
Base	20	60	He	LinStatic		0	0	0	0	0	0
Base	20	60	Sx	LinRespSpec	Max	27.7831	2.4178	23.4148	552.623	8195.069	34.587
Base	20	60	Sy	LinRespSpec	Max	5.3633	31.5947	5.3294	7844.236	1523.431	138.28
Base	20	60	Sx-Der	LinRespSpec	Max	22.2265	1.9343	18.7318	442.107	6556.038	27.67
Base	20	60	Sy-Der	LinRespSpec	Max	4.2907	25.276	4.2636	6275.446	1218.761	110.626
Base	20	60	Sx-Um	LinRespSpec	Max	5.5317	0.4097	4.7076	97.101	1641.9	6.755
Base	20	60	Sy-Um	LinRespSpec	Max	0.9692	6.064	0.9516	1507.948	284.967	26.294
Base	20	60	U1	Combination		1.1872	0.7386	105.6342	-262.371	84.755	2.509
Base	20	60	U2	Combination		1.578	0.8465	119.776	-289.279	184.193	2.886
Base	20	60	U3	Combination		1.3678	0.7665	108.8139	-265.133	142.364	2.61
Base	20	60	U4	Combination		1.3678	0.7665	108.8139	-265.133	142.364	2.61
Base	20	60	U5	Combination		1.3678	0.7665	108.8139	-265.133	142.364	2.61
Base	20	60	U6	Combination		1.3678	0.7665	108.8139	-265.133	142.364	2.61
Base	20	60	U7	Combination	Max	8.7159	3.7405	115.0673	461.34	2305.388	21.628
Base	20	60	U7	Combination	Min	-5.9802	-2.2076	102.5604	-991.607	-2020.661	-16.407
Base	20	60	U8	Combination	Max	4.7924	8.8465	111.9023	1737.373	1137.851	39.775
Base	20	60	U8	Combination	Min	-2.0567	-7.3135	105.7254	-2267.639	-853.124	-34.554
Base	20	60	U9	Combination	Max	8.3136	1.3709	114.6676	-126.977	2191.131	11.257
Base	20	60	U9	Combination	Min	-5.5779	0.162	102.9602	-403.289	-1906.404	-6.036
Base	20	60	U10	Combination	Max	2.7087	8.6651	110.1462	1695.926	523.221	37.18
Base	20	60	U10	Combination	Min	0.027	-7.1322	107.4815	-2226.192	-238.494	-31.96
Base	20	60	U11	Combination		0.7632	0.4748	67.9077	-168.667	54.485	1.613
Base	20	60	U12	Combination		0.7632	0.4748	67.9077	-168.667	54.485	1.613
Base	20	60	U13	Combination	Max	8.1113	3.4489	74.1611	557.806	2217.51	20.631
Base	20	60	U13	Combination	Min	-6.5848	-2.4992	61.6543	-895.141	-2108.539	-17.405
Base	20	60	U14	Combination	Max	4.1878	8.5548	70.9961	1833.838	1049.973	38.777
Base	20	60	U14	Combination	Min	-2.6613	-7.6052	64.8192	-2171.173	-941.003	-35.551
Base	20	60	U15	Combination	Max	7.709	1.0793	73.7614	-30.512	2103.253	10.26
Base	20	60	U15	Combination	Min	-6.1826	-0.1296	62.054	-306.823	-1994.282	-7.034
Base	20	60	U16	Combination	Max	2.104	8.3735	69.24	1792.392	435.343	36.183
Base	20	60	U16	Combination	Min	-0.5776	-7.4238	66.5753	-2129.726	-326.372	-32.957
Base	20	60	S1	Combination		0.848	0.5276	75.453	-187.408	60.539	1.792
Base	20	60	S2	Combination		1.1982	0.661	93.7233	-227.652	130.256	2.252

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	20	60	S3	Combination		0.848	0.5276	75.453	-187.408	60.539	1.792
Base	20	60	S4	Combination		1.1107	0.6276	89.1557	-217.591	112.827	2.137
Base	20	60	S5	Combination		0.848	0.5276	75.453	-187.408	60.539	1.792
Base	20	60	S6	Combination		0.848	0.5276	75.453	-187.408	60.539	1.792
Base	20	60	S7	Combination	Max	3.2452	6.1836	77.6149	1214.346	757.381	27.807
Base	20	60	S7	Combination	Min	-1.5492	-5.1284	73.291	-1589.162	-636.302	-24.223
Base	20	60	S8	Combination	Max	3.2452	6.1836	77.6149	1214.346	757.381	27.807
Base	20	60	S8	Combination	Min	-1.5492	-5.1284	73.291	-1589.162	-636.302	-24.223
Base	20	60	S9	Combination	Max	5.7101	0.9507	79.5506	-90.699	1494.676	7.845
Base	20	60	S9	Combination	Min	-4.014	0.1045	71.3554	-284.117	-1373.598	-4.261
Base	20	60	S10	Combination	Max	1.7866	6.0566	76.3856	1185.333	327.14	25.991
Base	20	60	S10	Combination	Min	-0.0905	-5.0015	74.5203	-1560.149	-206.061	-22.407
Base	20	60	S11	Combination		1.1107	0.6276	89.1557	-217.591	112.827	2.137
Base	20	60	S12	Combination		1.1107	0.6276	89.1557	-217.591	112.827	2.137
Base	20	60	S13	Combination	Max	4.9699	2.1899	92.44	164.032	1248.862	12.127
Base	20	60	S13	Combination	Min	-2.7486	-0.9347	85.8713	-599.213	-1023.209	-7.853
Base	20	60	S14	Combination	Max	2.9095	4.8713	90.778	834.131	635.739	21.656
Base	20	60	S14	Combination	Min	-0.6882	-3.616	87.5334	-1269.312	-410.086	-17.382
Base	20	60	S15	Combination	Max	4.7586	0.9451	92.2301	-145.031	1188.839	6.678
Base	20	60	S15	Combination	Min	-2.5372	0.3102	86.0813	-290.15	-963.186	-2.404
Base	20	60	S16	Combination	Max	1.8149	4.776	89.8554	812.358	312.853	20.293
Base	20	60	S16	Combination	Min	0.4065	-3.5208	88.4559	-1247.539	-87.2	-16.019
Base	20	60	S17	Combination		0.0509	0.0317	4.5272	-11.244	3.632	0.108
Base	20	60	S18	Combination		0.0509	0.0317	4.5272	-11.244	3.632	0.108
Base	20	60	S19	Combination	Max	5.1945	2.1135	8.9046	497.287	1517.75	13.42
Base	20	60	S19	Combination	Min	-5.0927	-2.0502	0.1498	-519.776	-1510.485	-13.205
Base	20	60	S20	Combination	Max	2.4481	5.6877	6.6891	1390.51	700.474	26.122
Base	20	60	S20	Combination	Min	-2.3463	-5.6243	2.3653	-1412.999	-693.209	-25.907
Base	20	60	S21	Combination	Max	4.9129	0.4548	8.6248	85.464	1437.769	6.16
Base	20	60	S21	Combination	Min	-4.8112	-0.3915	0.4296	-107.953	-1430.505	-5.945
Base	20	60	S22	Combination	Max	0.9895	5.5607	5.4598	1361.497	270.233	24.307
Base	20	60	S22	Combination	Min	-0.8877	-5.4974	3.5945	-1383.986	-262.968	-24.092
Base	20	60	Dx	Combination	Max	23.5943	2.7007	127.5456	176.974	6698.401	30.28
Base	20	60	Dx	Combination	Min	-20.8586	-1.1678	90.0821	-707.24	-6413.674	-25.06
Base	20	60	Dy	Combination	Max	5.6585	26.0424	113.0775	6010.313	1361.125	113.236
Base	20	60	Dy	Combination	Min	-2.9228	-24.5095	104.5502	-6540.579	-1076.398	-108.015
Base	20	60	Dx-1	Combination	Max	22.9897	2.4091	86.6395	273.44	6610.523	29.283
Base	20	60	Dx-1	Combination	Min	-21.4632	-1.4594	49.1759	-610.774	-6501.553	-26.057
Base	20	60	Dy-1	Combination	Max	5.0539	25.7508	72.1713	6106.779	1273.247	112.238
Base	20	60	Dy-1	Combination	Min	-3.5275	-24.8011	63.644	-6444.114	-1164.276	-109.013
Base	20	60	Dx-Um	Combination	Max	6.8995	1.1762	113.5215	-168.032	1784.263	9.366
Base	20	60	Dx-Um	Combination	Min	-4.1638	0.3568	104.1062	-362.234	-1499.536	-4.145
Base	20	60	Dx-1 -Um	Combination	Max	6.2949	0.8845	72.6153	-71.567	1696.385	8.368
Base	20	60	Dx-1 -Um	Combination	Min	-4.7685	0.0651	63.2	-265.768	-1587.415	-5.143

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	20	60	Dy-Um	Combination	Max	2.3371	6.8305	109.7654	1242.815	427.33	28.905
Base	20	60	Dy-Um	Combination	Min	0.3986	-5.2975	107.8623	-1773.081	-142.603	-23.684
Base	20	60	Dy-1-Um	Combination	Max	1.7325	6.5388	68.8592	1339.281	339.452	27.907
Base	20	60	Dy-1-Um	Combination	Min	-0.206	-5.5892	66.9561	-1676.615	-230.481	-24.681
Base	21	63	Dead	LinStatic		-2.6195	0.4811	45.6022	-191.335	-95.261	1.792
Base	21	63	Live	LinStatic		-0.8015	0.1177	10.5216	-40.771	-80.387	0.46
Base	21	63	Sx-FHE	LinStatic		-36.5309	-0.2836	28.9205	125.419	-10830.842	-8.094
Base	21	63	Sy-FHE	LinStatic		0.4693	-39.2172	-9.6145	10387.151	250.719	29.105
Base	21	63	Lr	LinStatic		0	0	0	0	0	0
Base	21	63	Sx-FHE+Exc	LinStatic		-35.29	2.3001	28.0756	-581.783	-10418.886	28.946
Base	21	63	Sx-FHE-Exc	LinStatic		-37.7719	-2.8673	29.7654	832.62	-11242.799	-45.134
Base	21	63	Sy-FHE+Exc	LinStatic		-1.2738	-42.8465	-8.4277	11380.539	-327.946	-22.924
Base	21	63	Sy-FHE-Exc	LinStatic		2.2124	-35.588	-10.8013	9393.762	829.384	81.134
Base	21	63	W-	LinStatic		0	0	0	0	0	0
Base	21	63	W+	LinStatic		0	0	0	0	0	0
Base	21	63	F	LinStatic		0	0	0	0	0	0
Base	21	63	He	LinStatic		0	0	0	0	0	0
Base	21	63	Sx	LinRespSpec	Max	27.7698	3.3165	21.9262	824.716	8193.383	34.587
Base	21	63	Sy	LinRespSpec	Max	5.3513	26.1168	7.9272	6902.125	1521.95	138.28
Base	21	63	Sx-Der	LinRespSpec	Max	22.2158	2.6533	17.5409	659.782	6554.689	27.67
Base	21	63	Sy-Der	LinRespSpec	Max	4.2811	20.8938	6.3417	5521.775	1217.576	110.626
Base	21	63	Sx-Um	LinRespSpec	Max	5.5291	0.5785	4.408	150.357	1641.57	6.755
Base	21	63	Sy-Um	LinRespSpec	Max	0.9673	4.9065	1.5658	1300.397	284.737	26.294
Base	21	63	U1	Combination		-3.6672	0.6735	63.8431	-267.869	-133.366	2.509
Base	21	63	U2	Combination		-4.4257	0.7657	71.5572	-294.835	-242.932	2.886
Base	21	63	U3	Combination		-3.9448	0.695	65.2442	-270.373	-194.7	2.61
Base	21	63	U4	Combination		-3.9448	0.695	65.2442	-270.373	-194.7	2.61
Base	21	63	U5	Combination		-3.9448	0.695	65.2442	-270.373	-194.7	2.61
Base	21	63	U6	Combination		-3.9448	0.695	65.2442	-270.373	-194.7	2.61
Base	21	63	U7	Combination	Max	3.399	3.4829	71.3203	453.466	1967.792	21.628
Base	21	63	U7	Combination	Min	-11.2886	-2.0929	59.1681	-994.211	-2357.192	-16.407
Base	21	63	U8	Combination	Max	-0.5243	7.473	68.8705	1517.012	800.291	39.775
Base	21	63	U8	Combination	Min	-7.3654	-6.0829	61.618	-2057.758	-1189.691	-34.554
Base	21	63	U9	Combination	Max	2.9976	1.5242	70.7258	-64.194	1853.645	11.257
Base	21	63	U9	Combination	Min	-10.8873	-0.1341	59.7627	-476.552	-2243.046	-6.036
Base	21	63	U10	Combination	Max	-2.607	7.2242	67.226	1455.158	185.787	37.18
Base	21	63	U10	Combination	Min	-5.2827	-5.8342	63.2624	-1995.904	-575.188	-31.96
Base	21	63	U11	Combination		-2.3575	0.433	41.042	-172.201	-85.735	1.613
Base	21	63	U12	Combination		-2.3575	0.433	41.042	-172.201	-85.735	1.613
Base	21	63	U13	Combination	Max	4.9863	3.2209	47.1181	551.637	2076.757	20.631
Base	21	63	U13	Combination	Min	-9.7013	-2.3549	34.9659	-896.039	-2248.227	-17.405
Base	21	63	U14	Combination	Max	1.0631	7.2109	44.6682	1615.184	909.256	38.777
Base	21	63	U14	Combination	Min	-5.7781	-6.345	37.4157	-1959.586	-1080.726	-35.551
Base	21	63	U15	Combination	Max	4.5849	1.2621	46.5235	33.978	1962.61	10.26
Base	21	63	U15	Combination	Min	-9.3	-0.3962	35.5604	-378.38	-2134.081	-7.034
Base	21	63	U16	Combination	Max	-1.0197	6.9622	43.0238	1553.33	294.752	36.183

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	21	63	U16	Combination	Min	-3.6953	-6.0962	39.0602	-1897.732	-466.223	-32.957
Base	21	63	S1	Combination		-2.6195	0.4811	45.6022	-191.335	-95.261	1.792
Base	21	63	S2	Combination		-3.4209	0.5988	56.1238	-232.106	-175.648	2.252
Base	21	63	S3	Combination		-2.6195	0.4811	45.6022	-191.335	-95.261	1.792
Base	21	63	S4	Combination		-3.2206	0.5694	53.4934	-221.913	-155.551	2.137
Base	21	63	S5	Combination		-2.6195	0.4811	45.6022	-191.335	-95.261	1.792
Base	21	63	S6	Combination		-2.6195	0.4811	45.6022	-191.335	-95.261	1.792
Base	21	63	S7	Combination	Max	-0.2251	5.2256	48.1406	1059.835	601.232	27.807
Base	21	63	S7	Combination	Min	-5.0139	-4.2635	43.0638	-1442.504	-791.755	-24.223
Base	21	63	S8	Combination	Max	-0.2251	5.2256	48.1406	1059.835	601.232	27.807
Base	21	63	S8	Combination	Min	-5.0139	-4.2635	43.0638	-1442.504	-791.755	-24.223
Base	21	63	S9	Combination	Max	2.2403	1.0615	49.4393	-47.009	1338.581	7.845
Base	21	63	S9	Combination	Min	-7.4792	-0.0993	41.7651	-335.66	-1529.103	-4.261
Base	21	63	S10	Combination	Max	-1.683	5.0515	46.9894	1016.537	171.08	25.991
Base	21	63	S10	Combination	Min	-3.5559	-4.0894	44.2149	-1399.207	-361.603	-22.407
Base	21	63	S11	Combination		-3.2206	0.5694	53.4934	-221.913	-155.551	2.137
Base	21	63	S12	Combination		-3.2206	0.5694	53.4934	-221.913	-155.551	2.137
Base	21	63	S13	Combination	Max	0.6364	2.0338	56.6846	158.316	980.205	12.127
Base	21	63	S13	Combination	Min	-7.0776	-0.8951	50.3022	-602.142	-1291.307	-7.853
Base	21	63	S14	Combination	Max	-1.4238	4.1292	55.3981	716.83	367.1	21.656
Base	21	63	S14	Combination	Min	-5.0173	-2.9904	51.5887	-1160.656	-678.203	-17.382
Base	21	63	S15	Combination	Max	0.4256	1.0048	56.3723	-113.628	920.24	6.678
Base	21	63	S15	Combination	Min	-6.8667	0.1339	50.6145	-330.198	-1231.343	-2.404
Base	21	63	S16	Combination	Max	-2.5179	3.9985	54.5342	684.336	44.281	20.293
Base	21	63	S16	Combination	Min	-3.9232	-2.8598	52.4526	-1128.162	-355.383	-16.019
Base	21	63	S17	Combination		-0.1572	0.0289	2.7361	-11.48	-5.716	0.108
Base	21	63	S18	Combination		-0.1572	0.0289	2.7361	-11.48	-5.716	0.108
Base	21	63	S19	Combination	Max	4.9835	1.9804	6.9894	495.207	1508.029	13.42
Base	21	63	S19	Combination	Min	-5.2978	-1.9227	-1.5171	-518.167	-1519.46	-13.205
Base	21	63	S20	Combination	Max	2.2372	4.7734	5.2745	1239.689	690.778	26.122
Base	21	63	S20	Combination	Min	-2.5516	-4.7157	0.1978	-1262.65	-702.209	-25.907
Base	21	63	S21	Combination	Max	4.7025	0.6093	6.5732	132.845	1428.126	6.16
Base	21	63	S21	Combination	Min	-5.0169	-0.5515	-1.101	-155.805	-1439.558	-5.945
Base	21	63	S22	Combination	Max	0.7793	4.5993	4.1234	1196.392	260.625	24.307
Base	21	63	S22	Combination	Min	-1.0937	-4.5416	1.3489	-1219.352	-272.057	-24.092
Base	21	63	Dx	Combination	Max	18.2709	3.3483	82.7851	389.41	6359.988	30.28
Base	21	63	Dx	Combination	Min	-26.1606	-1.9582	47.7033	-930.155	-6749.389	-25.06
Base	21	63	Dy	Combination	Max	0.3363	21.5888	71.586	5251.402	1022.876	113.236
Base	21	63	Dy	Combination	Min	-8.226	-20.1987	58.9025	-5792.148	-1412.276	-108.015
Base	21	63	Dx-1	Combination	Max	19.8583	3.0862	58.5829	487.581	6468.953	29.283
Base	21	63	Dx-1	Combination	Min	-24.5733	-2.2203	23.5011	-831.984	-6640.424	-26.057
Base	21	63	Dy-1	Combination	Max	1.9236	21.3267	47.3837	5349.574	1131.841	112.238
Base	21	63	Dy-1	Combination	Min	-6.6387	-20.4608	34.7002	-5693.976	-1303.311	-109.013
Base	21	63	Dx-Um	Combination	Max	1.5843	1.2736	69.6522	-120.016	1446.869	9.366
Base	21	63	Dx-Um	Combination	Min	-9.4739	0.1165	60.8362	-420.729	-1836.27	-4.145
Base	21	63	Dx-1 -Um	Combination	Max	3.1716	1.0115	45.45	-21.845	1555.834	8.368
Base	21	63	Dx-1 -Um	Combination	Min	-7.8866	-0.1456	36.634	-322.558	-1727.305	-5.143
Base	21	63	Dy-Um	Combination	Max	-2.9775	5.6015	66.81	1030.024	90.037	28.905

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	21	63	Dy-Um	Combination	Min	-4.9122	-4.2115	63.6784	-1570.769	-479.437	-23.684
Base	21	63	Dy-1-Um	Combination	Max	-1.3902	5.3395	42.6078	1128.195	199.002	27.907
Base	21	63	Dy-1-Um	Combination	Min	-3.3248	-4.4735	39.4762	-1472.598	-370.472	-24.681
Base	22	66	Dead	LinStatic		0.8858	1.2168	46.4897	-163.345	73.095	1.792
Base	22	66	Live	LinStatic		0.2986	0.3321	10.0867	-66.141	64.957	0.46
Base	22	66	Sx-FHE	LinStatic		-36.5461	-0.1205	-30.2531	59.045	-10867.298	-8.094
Base	22	66	Sy-FHE	LinStatic		1.6935	-36.424	-34.8936	10185.327	534.273	29.105
Base	22	66	Lr	LinStatic		0	0	0	0	0	0
Base	22	66	Sx-FHE+Exc	LinStatic		-34.4523	0.9423	-26.8176	-243.473	-10186.384	28.946
Base	22	66	Sx-FHE-Exc	LinStatic		-38.6399	-1.1833	-33.6885	361.564	-11548.213	-45.134
Base	22	66	Sy-FHE+Exc	LinStatic		-1.2476	-37.9169	-39.7193	10610.267	-422.191	-22.924
Base	22	66	Sy-FHE-Exc	LinStatic		4.6346	-34.9311	-30.0679	9760.387	1490.737	81.134
Base	22	66	W-	LinStatic		0	0	0	0	0	0
Base	22	66	W+	LinStatic		0	0	0	0	0	0
Base	22	66	F	LinStatic		0	0	0	0	0	0
Base	22	66	He	LinStatic		0	0	0	0	0	0
Base	22	66	Sx	LinRespSpec	Max	28.2954	2.1105	24.5548	507.758	8366.79	34.587
Base	22	66	Sy	LinRespSpec	Max	9.1224	24.9918	23.5355	6980.06	2594.115	138.28
Base	22	66	Sx-Der	LinRespSpec	Max	22.6363	1.6885	19.6438	406.216	6693.413	27.67
Base	22	66	Sy-Der	LinRespSpec	Max	7.298	19.9937	18.8287	5584.099	2075.318	110.626
Base	22	66	Sx-Um	LinRespSpec	Max	5.6361	0.3465	4.9356	88.127	1677.652	6.755
Base	22	66	Sy-Um	LinRespSpec	Max	1.6792	4.7867	4.41	1341.084	488.414	26.294
Base	22	66	U1	Combination		1.2401	1.7035	65.0856	-228.683	102.332	2.509
Base	22	66	U2	Combination		1.5408	1.9915	71.9264	-301.84	191.645	2.886
Base	22	66	U3	Combination		1.3616	1.7922	65.8743	-262.155	152.671	2.61
Base	22	66	U4	Combination		1.3616	1.7922	65.8743	-262.155	152.671	2.61
Base	22	66	U5	Combination		1.3616	1.7922	65.8743	-262.155	152.671	2.61
Base	22	66	U6	Combination		1.3616	1.7922	65.8743	-262.155	152.671	2.61
Base	22	66	U7	Combination	Max	9.1196	4.1942	73.7782	388.289	2438.927	21.628
Base	22	66	U7	Combination	Min	-6.3964	-0.6098	57.9705	-912.599	-2133.586	-16.407
Base	22	66	U8	Combination	Max	5.7643	8.1985	73.5998	1520.941	1428.709	39.775
Base	22	66	U8	Combination	Min	-3.0412	-4.614	58.1489	-2045.252	-1123.367	-34.554
Base	22	66	U9	Combination	Max	8.4354	2.3198	72.013	-135.216	2244.368	11.257
Base	22	66	U9	Combination	Min	-5.7123	1.2646	59.7357	-389.095	-1939.027	-6.036
Base	22	66	U10	Combination	Max	3.6422	8.0402	71.7582	1482.86	801.199	37.18
Base	22	66	U10	Combination	Min	-0.919	-4.4558	59.9905	-2007.17	-495.858	-31.96
Base	22	66	U11	Combination		0.7972	1.0951	41.8407	-147.01	65.785	1.613
Base	22	66	U12	Combination		0.7972	1.0951	41.8407	-147.01	65.785	1.613
Base	22	66	U13	Combination	Max	8.5552	3.4971	49.7446	503.434	2352.041	20.631
Base	22	66	U13	Combination	Min	-6.9608	-1.3069	33.9369	-797.455	-2220.471	-17.405
Base	22	66	U14	Combination	Max	5.2	7.5013	49.5662	1636.086	1341.823	38.777
Base	22	66	U14	Combination	Min	-3.6055	-5.3112	34.1153	-1930.107	-1210.253	-35.551
Base	22	66	U15	Combination	Max	7.8711	1.6227	47.9794	-20.071	2157.483	10.26
Base	22	66	U15	Combination	Min	-6.2766	0.5675	35.702	-273.95	-2025.912	-7.034
Base	22	66	U16	Combination	Max	3.0778	7.3431	47.7246	1598.004	714.314	36.183
Base	22	66	U16	Combination	Min	-1.4834	-5.1529	35.9569	-1892.025	-582.744	-32.957
Base	22	66	S1	Combination		0.8858	1.2168	46.4897	-163.345	73.095	1.792
Base	22	66	S2	Combination		1.1844	1.5489	56.5764	-229.486	138.052	2.252

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	22	66	S3	Combination		0.8858	1.2168	46.4897	-163.345	73.095	1.792
Base	22	66	S4	Combination		1.1098	1.4658	54.0547	-212.951	121.812	2.137
Base	22	66	S5	Combination		0.8858	1.2168	46.4897	-163.345	73.095	1.792
Base	22	66	S6	Combination		0.8858	1.2168	46.4897	-163.345	73.095	1.792
Base	22	66	S7	Combination	Max	3.9677	5.7011	51.8975	1084.823	966.321	27.807
Base	22	66	S7	Combination	Min	-2.1961	-3.2676	41.0819	-1411.513	-820.132	-24.223
Base	22	66	S8	Combination	Max	3.9677	5.7011	51.8975	1084.823	966.321	27.807
Base	22	66	S8	Combination	Min	-2.1961	-3.2676	41.0819	-1411.513	-820.132	-24.223
Base	22	66	S9	Combination	Max	5.8375	1.5861	50.7868	-74.487	1537.283	7.845
Base	22	66	S9	Combination	Min	-4.0659	0.8474	42.1926	-252.203	-1391.094	-4.261
Base	22	66	S10	Combination	Max	2.4822	5.5903	50.6084	1058.165	527.065	25.991
Base	22	66	S10	Combination	Min	-0.7106	-3.1568	42.371	-1384.855	-380.875	-22.407
Base	22	66	S11	Combination		1.1098	1.4658	54.0547	-212.951	121.812	2.137
Base	22	66	S12	Combination		1.1098	1.4658	54.0547	-212.951	121.812	2.137
Base	22	66	S13	Combination	Max	5.1844	2.7276	58.2061	128.732	1322.58	12.127
Base	22	66	S13	Combination	Min	-2.9648	0.204	49.9034	-554.634	-1078.955	-7.853
Base	22	66	S14	Combination	Max	3.4224	4.8304	58.1124	723.536	792.071	21.656
Base	22	66	S14	Combination	Min	-1.2028	-1.8987	49.9971	-1149.439	-548.446	-17.382
Base	22	66	S15	Combination	Max	4.825	1.7429	57.2788	-146.282	1220.372	6.678
Base	22	66	S15	Combination	Min	-2.6054	1.1887	50.8307	-279.62	-976.747	-2.404
Base	22	66	S16	Combination	Max	2.3075	4.7473	57.1449	703.531	462.42	20.293
Base	22	66	S16	Combination	Min	-0.088	-1.8156	50.9645	-1129.433	-218.795	-16.019
Base	22	66	S17	Combination		0.0531	0.073	2.7894	-9.801	4.386	0.108
Base	22	66	S18	Combination		0.0531	0.073	2.7894	-9.801	4.386	0.108
Base	22	66	S19	Combination	Max	5.4838	1.7544	8.3221	445.51	1604.765	13.42
Base	22	66	S19	Combination	Min	-5.3775	-1.6084	-2.7433	-465.112	-1595.994	-13.205
Base	22	66	S20	Combination	Max	3.1351	4.5574	8.1972	1238.367	897.612	26.122
Base	22	66	S20	Combination	Min	-3.0288	-4.4114	-2.6185	-1257.968	-888.841	-25.907
Base	22	66	S21	Combination	Max	5.0048	0.4423	7.0865	79.057	1468.574	6.16
Base	22	66	S21	Combination	Min	-4.8985	-0.2963	-1.5077	-98.658	-1459.803	-5.945
Base	22	66	S22	Combination	Max	1.6496	4.4466	6.9081	1211.71	458.356	24.307
Base	22	66	S22	Combination	Min	-1.5433	-4.3006	-1.3293	-1231.311	-449.584	-24.092
Base	22	66	Dx	Combination	Max	23.9979	3.4807	85.5181	144.06	6846.084	30.28
Base	22	66	Dx	Combination	Min	-21.2747	0.1038	46.2306	-668.371	-6540.742	-25.06
Base	22	66	Dy	Combination	Max	8.6596	21.7859	84.703	5321.944	2227.989	113.236
Base	22	66	Dy	Combination	Min	-5.9364	-18.2015	47.0457	-5846.255	-1922.648	-108.015
Base	22	66	Dx-1	Combination	Max	23.4335	2.7835	61.4845	259.205	6759.198	29.283
Base	22	66	Dx-1	Combination	Min	-21.8391	-0.5934	22.197	-553.226	-6627.628	-26.057
Base	22	66	Dy-1	Combination	Max	8.0953	21.0888	60.6694	5437.089	2141.103	112.238
Base	22	66	Dy-1	Combination	Min	-6.5008	-18.8986	23.0121	-5731.11	-2009.533	-109.013
Base	22	66	Dx-Um	Combination	Max	6.9977	2.1387	70.81	-174.029	1830.323	9.366
Base	22	66	Dx-Um	Combination	Min	-4.2745	1.4457	60.9387	-350.282	-1524.982	-4.145
Base	22	66	Dx-1 -Um	Combination	Max	6.4333	1.4416	46.7764	-58.884	1743.438	8.368
Base	22	66	Dx-1 -Um	Combination	Min	-4.8388	0.7486	36.9051	-235.137	-1611.867	-5.143
Base	22	66	Dy-Um	Combination	Max	3.0408	6.5789	70.2843	1078.929	641.085	28.905
Base	22	66	Dy-Um	Combination	Min	-0.3176	-2.9945	61.4644	-1603.24	-335.743	-23.684
Base	22	66	Dy-1-Um	Combination	Max	2.4764	5.8818	46.2507	1194.074	554.199	27.907
Base	22	66	Dy-1-Um	Combination	Min	-0.882	-3.6916	37.4308	-1488.095	-422.629	-24.681

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	23	69	Dead	LinStatic		-1.3957	0.9313	28.9745	-136.129	71.863	1.792
Base	23	69	Live	LinStatic		-0.4196	0.2612	5.7839	-59.466	-28.656	0.46
Base	23	69	Sx-FHE	LinStatic		-36.5622	-0.1131	28.6818	103.189	-10869.403	-8.094
Base	23	69	Sy-FHE	LinStatic		0.8512	-31.8395	-29.2148	9425.581	424.493	29.105
Base	23	69	Lr	LinStatic		0	0	0	0	0	0
Base	23	69	Sx-FHE+Exc	LinStatic		-34.4846	1.9436	28.4331	-535.317	-10190.594	28.946
Base	23	69	Sx-FHE-Exc	LinStatic		-38.6398	-2.1697	28.9304	741.694	-11548.212	-45.134
Base	23	69	Sy-FHE+Exc	LinStatic		-2.0672	-34.7284	-28.8656	10322.474	-529.013	-22.924
Base	23	69	Sy-FHE-Exc	LinStatic		3.7696	-28.9506	-29.564	8528.688	1377.998	81.134
Base	23	69	W-	LinStatic		0	0	0	0	0	0
Base	23	69	W+	LinStatic		0	0	0	0	0	0
Base	23	69	F	LinStatic		0	0	0	0	0	0
Base	23	69	He	LinStatic		0	0	0	0	0	0
Base	23	69	Sx	LinRespSpec	Max	28.3059	2.843	21.3294	755.991	8368.101	34.587
Base	23	69	Sy	LinRespSpec	Max	8.8361	21.2549	21.2449	6264.886	2552.072	138.28
Base	23	69	Sx-Der	LinRespSpec	Max	22.6447	2.2745	17.0635	604.803	6694.461	27.67
Base	23	69	Sy-Der	LinRespSpec	Max	7.069	17.0042	16.996	5011.977	2041.685	110.626
Base	23	69	Sx-Um	LinRespSpec	Max	5.6378	0.4811	4.2894	136.656	1677.868	6.755
Base	23	69	Sy-Um	LinRespSpec	Max	1.6133	3.9831	4.1417	1179.698	479.021	26.294
Base	23	69	U1	Combination		-1.954	1.3038	40.5643	-190.581	100.609	2.509
Base	23	69	U2	Combination		-2.3463	1.5355	44.0237	-258.501	40.387	2.886
Base	23	69	U3	Combination		-2.0945	1.3788	40.5533	-222.821	57.58	2.61
Base	23	69	U4	Combination		-2.0945	1.3788	40.5533	-222.821	57.58	2.61
Base	23	69	U5	Combination		-2.0945	1.3788	40.5533	-222.821	57.58	2.61
Base	23	69	U6	Combination		-2.0945	1.3788	40.5533	-222.821	57.58	2.61
Base	23	69	U7	Combination	Max	5.6447	3.6836	47.4791	436.043	2341.011	21.628
Base	23	69	U7	Combination	Min	-9.8337	-0.9261	33.6276	-881.685	-2225.85	-16.407
Base	23	69	U8	Combination	Max	2.2374	6.9057	47.4643	1400.1	1323.206	39.775
Base	23	69	U8	Combination	Min	-6.4265	-4.1482	33.6424	-1845.742	-1208.045	-34.554
Base	23	69	U9	Combination	Max	4.982	2.0895	45.8857	-33.823	2149.606	11.257
Base	23	69	U9	Combination	Min	-9.171	0.668	35.221	-411.819	-2034.445	-6.036
Base	23	69	U10	Combination	Max	0.1145	6.6925	45.8645	1343.4	695.598	37.18
Base	23	69	U10	Combination	Min	-4.3035	-3.935	35.2421	-1789.043	-580.438	-31.96
Base	23	69	U11	Combination		-1.2562	0.8382	26.0771	-122.516	64.677	1.613
Base	23	69	U12	Combination		-1.2562	0.8382	26.0771	-122.516	64.677	1.613
Base	23	69	U13	Combination	Max	6.483	3.1431	33.0028	536.348	2348.108	20.631
Base	23	69	U13	Combination	Min	-8.9954	-1.4667	19.1513	-781.38	-2218.754	-17.405
Base	23	69	U14	Combination	Max	3.0758	6.3651	32.988	1500.405	1330.303	38.777
Base	23	69	U14	Combination	Min	-5.5881	-4.6888	19.1661	-1745.437	-1200.949	-35.551
Base	23	69	U15	Combination	Max	5.8203	1.5489	31.4094	66.482	2156.702	10.26
Base	23	69	U15	Combination	Min	-8.3326	0.1274	20.7447	-311.514	-2027.348	-7.034
Base	23	69	U16	Combination	Max	0.9528	6.1519	31.3883	1443.705	702.695	36.183
Base	23	69	U16	Combination	Min	-3.4652	-4.4755	20.7658	-1688.738	-573.341	-32.957
Base	23	69	S1	Combination		-1.3957	0.9313	28.9745	-136.129	71.863	1.792
Base	23	69	S2	Combination		-1.8154	1.1925	34.7584	-195.595	43.208	2.252
Base	23	69	S3	Combination		-1.3957	0.9313	28.9745	-136.129	71.863	1.792
Base	23	69	S4	Combination		-1.7105	1.1272	33.3124	-180.729	50.372	2.137
Base	23	69	S5	Combination		-1.3957	0.9313	28.9745	-136.129	71.863	1.792

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	23	69	S6	Combination		-1.3957	0.9313	28.9745	-136.129	71.863	1.792
Base	23	69	S7	Combination	Max	1.6366	4.8002	33.8122	999.915	957.801	27.807
Base	23	69	S7	Combination	Min	-4.4281	-2.9375	24.1369	-1272.174	-814.075	-24.223
Base	23	69	S8	Combination	Max	1.6366	4.8002	33.8122	999.915	957.801	27.807
Base	23	69	S8	Combination	Min	-4.4281	-2.9375	24.1369	-1272.174	-814.075	-24.223
Base	23	69	S9	Combination	Max	3.5578	1.4288	32.7072	-3.831	1536.281	7.845
Base	23	69	S9	Combination	Min	-6.3493	0.4338	25.2419	-268.428	-1392.554	-4.261
Base	23	69	S10	Combination	Max	0.1506	4.6509	32.6924	960.226	518.476	25.991
Base	23	69	S10	Combination	Min	-2.9421	-2.7883	25.2567	-1232.484	-374.749	-22.407
Base	23	69	S11	Combination		-1.7105	1.1272	33.3124	-180.729	50.372	2.137
Base	23	69	S12	Combination		-1.7105	1.1272	33.3124	-180.729	50.372	2.137
Base	23	69	S13	Combination	Max	2.3542	2.3379	36.9501	165.369	1249.655	12.127
Base	23	69	S13	Combination	Min	-5.7752	-0.0835	29.6748	-526.827	-1148.912	-7.853
Base	23	69	S14	Combination	Max	0.565	4.03	36.9423	671.637	715.162	21.656
Base	23	69	S14	Combination	Min	-3.9859	-1.7756	29.6826	-1033.094	-614.419	-17.382
Base	23	69	S15	Combination	Max	2.0061	1.5005	36.113	-81.467	1149.103	6.678
Base	23	69	S15	Combination	Min	-5.427	0.7539	30.5119	-279.99	-1048.36	-2.404
Base	23	69	S16	Combination	Max	-0.5503	3.918	36.1019	641.851	385.459	20.293
Base	23	69	S16	Combination	Min	-2.8706	-1.6636	30.523	-1003.308	-284.715	-16.019
Base	23	69	S17	Combination		-0.0837	0.0559	1.7385	-8.168	4.312	0.108
Base	23	69	S18	Combination		-0.0837	0.0559	1.7385	-8.168	4.312	0.108
Base	23	69	S19	Combination	Max	5.3337	1.6693	6.5865	453.037	1602.713	13.42
Base	23	69	S19	Combination	Min	-5.5012	-1.5575	-3.1095	-469.373	-1594.09	-13.205
Base	23	69	S20	Combination	Max	2.9486	3.9247	6.5761	1127.877	890.25	26.122
Base	23	69	S20	Combination	Min	-3.1161	-3.813	-3.0992	-1144.212	-881.626	-25.907
Base	23	69	S21	Combination	Max	4.8698	0.5534	5.4711	124.131	1468.729	6.16
Base	23	69	S21	Combination	Min	-5.0373	-0.4417	-1.9942	-140.466	-1460.106	-5.945
Base	23	69	S22	Combination	Max	1.4626	3.7755	5.4563	1088.187	450.924	24.307
Base	23	69	S22	Combination	Min	-1.6301	-3.6637	-1.9794	-1104.523	-442.301	-24.092
Base	23	69	Dx	Combination	Max	20.5502	3.6532	57.6168	381.982	6752.042	30.28
Base	23	69	Dx	Combination	Min	-24.7392	-0.8957	23.4898	-827.624	-6636.881	-25.06
Base	23	69	Dy	Combination	Max	4.9745	18.3829	57.5493	4789.156	2099.266	113.236
Base	23	69	Dy	Combination	Min	-9.1635	-15.6254	23.5573	-5234.799	-1984.105	-108.015
Base	23	69	Dx-1	Combination	Max	21.3885	3.1127	43.1405	482.287	6759.138	29.283
Base	23	69	Dx-1	Combination	Min	-23.9009	-1.4363	9.0136	-727.319	-6629.784	-26.057
Base	23	69	Dy-1	Combination	Max	5.8128	17.8423	43.0731	4889.461	2106.362	112.238
Base	23	69	Dy-1	Combination	Min	-8.3252	-16.166	9.081	-5134.494	-1977.008	-109.013
Base	23	69	Dx-Um	Combination	Max	3.5433	1.8599	44.8427	-86.165	1735.448	9.366
Base	23	69	Dx-Um	Combination	Min	-7.7323	0.8976	36.264	-359.477	-1620.287	-4.145
Base	23	69	Dx-1 -Um	Combination	Max	4.3816	1.3193	30.3664	14.14	1742.545	8.368
Base	23	69	Dx-1 -Um	Combination	Min	-6.8939	0.357	21.7877	-259.172	-1613.191	-5.143
Base	23	69	Dy-Um	Combination	Max	-0.4812	5.3619	44.695	956.877	536.601	28.905
Base	23	69	Dy-Um	Combination	Min	-3.7078	-2.6044	36.4117	-1402.519	-421.44	-23.684
Base	23	69	Dy-1-Um	Combination	Max	0.3571	4.8213	30.2187	1057.181	543.698	27.907
Base	23	69	Dy-1-Um	Combination	Min	-2.8694	-3.145	21.9354	-1302.214	-414.344	-24.681
Base	29	101	Dead	LinStatic		0	0	2.0544	-87.947	2.364	0
Base	29	101	Live	LinStatic		0	0	0	0	0	0
Base	29	101	Sx-FHE	LinStatic		0	0	0	0	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	29	101	Sy-FHE	LinStatic		0	0	0	0	0	0
Base	29	101	Lr	LinStatic		0	0	0	0	0	0
Base	29	101	Sx-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	29	101	Sx-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	29	101	Sy-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	29	101	Sy-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	29	101	W-	LinStatic		0	0	0	0	0	0
Base	29	101	W+	LinStatic		0	0	0	0	0	0
Base	29	101	F	LinStatic		0	0	0	0	0	0
Base	29	101	He	LinStatic		0	0	0	0	0	0
Base	29	101	Sx	LinRespSpec	Max	0	0	0	0	0	0
Base	29	101	Sy	LinRespSpec	Max	0	0	0	0	0	0
Base	29	101	Sx-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	29	101	Sy-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	29	101	Sx-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	29	101	Sy-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	29	101	U1	Combination		0	0	2.8761	-123.126	3.31	0
Base	29	101	U2	Combination		0	0	2.4652	-105.537	2.837	0
Base	29	101	U3	Combination		0	0	2.4652	-105.537	2.837	0
Base	29	101	U4	Combination		0	0	2.4652	-105.537	2.837	0
Base	29	101	U5	Combination		0	0	2.4652	-105.537	2.837	0
Base	29	101	U6	Combination		0	0	2.4652	-105.537	2.837	0
Base	29	101	U7	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	U7	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	U8	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	U8	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	U9	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	U9	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	U10	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	U10	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	U11	Combination		0	0	1.8489	-79.153	2.128	0
Base	29	101	U12	Combination		0	0	1.8489	-79.153	2.128	0
Base	29	101	U13	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	U13	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	29	101	U14	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	U14	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	29	101	U15	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	U15	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	29	101	U16	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	U16	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	29	101	S1	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S2	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S3	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S4	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S5	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S6	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S7	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S7	Combination	Min	0	0	2.0544	-87.947	2.364	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	29	101	S8	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S8	Combination	Min	0	0	2.0544	-87.947	2.364	0
Base	29	101	S9	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S9	Combination	Min	0	0	2.0544	-87.947	2.364	0
Base	29	101	S10	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S10	Combination	Min	0	0	2.0544	-87.947	2.364	0
Base	29	101	S11	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S12	Combination		0	0	2.0544	-87.947	2.364	0
Base	29	101	S13	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S13	Combination	Min	0	0	2.0544	-87.947	2.364	0
Base	29	101	S14	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S14	Combination	Min	0	0	2.0544	-87.947	2.364	0
Base	29	101	S15	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S15	Combination	Min	0	0	2.0544	-87.947	2.364	0
Base	29	101	S16	Combination	Max	0	0	2.0544	-87.947	2.364	0
Base	29	101	S16	Combination	Min	0	0	2.0544	-87.947	2.364	0
Base	29	101	S17	Combination		0	0	0.1233	-5.277	0.142	0
Base	29	101	S18	Combination		0	0	0.1233	-5.277	0.142	0
Base	29	101	S19	Combination	Max	0	0	0.1233	-5.277	0.142	0
Base	29	101	S19	Combination	Min	0	0	0.1233	-5.277	0.142	0
Base	29	101	S20	Combination	Max	0	0	0.1233	-5.277	0.142	0
Base	29	101	S20	Combination	Min	0	0	0.1233	-5.277	0.142	0
Base	29	101	S21	Combination	Max	0	0	0.1233	-5.277	0.142	0
Base	29	101	S21	Combination	Min	0	0	0.1233	-5.277	0.142	0
Base	29	101	S22	Combination	Max	0	0	0.1233	-5.277	0.142	0
Base	29	101	S22	Combination	Min	0	0	0.1233	-5.277	0.142	0
Base	29	101	Dx	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dx	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dy	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dy	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dx-1	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	Dx-1	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	29	101	Dy-1	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	Dy-1	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	29	101	Dx-Um	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dx-Um	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dx-1 -Um	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	Dx-1 -Um	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	29	101	Dy-Um	Combination	Max	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dy-Um	Combination	Min	0	0	2.4652	-105.537	2.837	0
Base	29	101	Dy-1-Um	Combination	Max	0	0	1.8489	-79.153	2.128	0
Base	29	101	Dy-1-Um	Combination	Min	0	0	1.8489	-79.153	2.128	0
Base	30	102	Dead	LinStatic		0	0	1.4417	7.785	2.364	0
Base	30	102	Live	LinStatic		0	0	0	0	0	0
Base	30	102	Sx-FHE	LinStatic		0	0	0	0	0	0
Base	30	102	Sy-FHE	LinStatic		0	0	0	0	0	0
Base	30	102	Lr	LinStatic		0	0	0	0	0	0
Base	30	102	Sx-FHE+Exc	LinStatic		0	0	0	0	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	30	102	Sx-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	30	102	Sy-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	30	102	Sy-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	30	102	W-	LinStatic		0	0	0	0	0	0
Base	30	102	W+	LinStatic		0	0	0	0	0	0
Base	30	102	F	LinStatic		0	0	0	0	0	0
Base	30	102	He	LinStatic		0	0	0	0	0	0
Base	30	102	Sx	LinRespSpec	Max	0	0	0	0	0	0
Base	30	102	Sy	LinRespSpec	Max	0	0	0	0	0	0
Base	30	102	Sx-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	30	102	Sy-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	30	102	Sx-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	30	102	Sy-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	30	102	U1	Combination		0	0	2.0183	10.899	3.31	0
Base	30	102	U2	Combination		0	0	1.73	9.342	2.837	0
Base	30	102	U3	Combination		0	0	1.73	9.342	2.837	0
Base	30	102	U4	Combination		0	0	1.73	9.342	2.837	0
Base	30	102	U5	Combination		0	0	1.73	9.342	2.837	0
Base	30	102	U6	Combination		0	0	1.73	9.342	2.837	0
Base	30	102	U7	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	U7	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	U8	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	U8	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	U9	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	U9	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	U10	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	U10	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	U11	Combination		0	0	1.2975	7.006	2.128	0
Base	30	102	U12	Combination		0	0	1.2975	7.006	2.128	0
Base	30	102	U13	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	U13	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	30	102	U14	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	U14	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	30	102	U15	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	U15	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	30	102	U16	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	U16	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	30	102	S1	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S2	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S3	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S4	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S5	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S6	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S7	Combination	Max	0	0	1.4417	7.785	2.364	0
Base	30	102	S7	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S8	Combination	Max	0	0	1.4417	7.785	2.364	0
Base	30	102	S8	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S9	Combination	Max	0	0	1.4417	7.785	2.364	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	30	102	S9	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S10	Combination	Max	0	0	1.4417	7.785	2.364	0
Base	30	102	S10	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S11	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S12	Combination		0	0	1.4417	7.785	2.364	0
Base	30	102	S13	Combination	Max	0	0	1.4417	7.785	2.364	0
Base	30	102	S13	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S14	Combination	Max	0	0	1.4417	7.785	2.364	0
Base	30	102	S14	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S15	Combination	Max	0	0	1.4417	7.785	2.364	0
Base	30	102	S15	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S16	Combination	Max	0	0	1.4417	7.785	2.364	0
Base	30	102	S16	Combination	Min	0	0	1.4417	7.785	2.364	0
Base	30	102	S17	Combination		0	0	0.0865	0.467	0.142	0
Base	30	102	S18	Combination		0	0	0.0865	0.467	0.142	0
Base	30	102	S19	Combination	Max	0	0	0.0865	0.467	0.142	0
Base	30	102	S19	Combination	Min	0	0	0.0865	0.467	0.142	0
Base	30	102	S20	Combination	Max	0	0	0.0865	0.467	0.142	0
Base	30	102	S20	Combination	Min	0	0	0.0865	0.467	0.142	0
Base	30	102	S21	Combination	Max	0	0	0.0865	0.467	0.142	0
Base	30	102	S21	Combination	Min	0	0	0.0865	0.467	0.142	0
Base	30	102	S22	Combination	Max	0	0	0.0865	0.467	0.142	0
Base	30	102	S22	Combination	Min	0	0	0.0865	0.467	0.142	0
Base	30	102	Dx	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	Dx	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	Dy	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	Dy	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	Dx-1	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	Dx-1	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	30	102	Dy-1	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	Dy-1	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	30	102	Dx-Um	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	Dx-Um	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	Dx-1 -Um	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	Dx-1 -Um	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	30	102	Dy-Um	Combination	Max	0	0	1.73	9.342	2.837	0
Base	30	102	Dy-Um	Combination	Min	0	0	1.73	9.342	2.837	0
Base	30	102	Dy-1-Um	Combination	Max	0	0	1.2975	7.006	2.128	0
Base	30	102	Dy-1-Um	Combination	Min	0	0	1.2975	7.006	2.128	0
Base	36	103	Dead	LinStatic		0	0	1.7314	80.162	-41.581	0
Base	36	103	Live	LinStatic		0	0	0	0	0	0
Base	36	103	Sx-FHE	LinStatic		0	0	0	0	0	0
Base	36	103	Sy-FHE	LinStatic		0	0	0	0	0	0
Base	36	103	Lr	LinStatic		0	0	0	0	0	0
Base	36	103	Sx-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	36	103	Sx-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	36	103	Sy-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	36	103	Sy-FHE-Exc	LinStatic		0	0	0	0	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	36	103	W-	LinStatic		0	0	0	0	0	0
Base	36	103	W+	LinStatic		0	0	0	0	0	0
Base	36	103	F	LinStatic		0	0	0	0	0	0
Base	36	103	He	LinStatic		0	0	0	0	0	0
Base	36	103	Sx	LinRespSpec	Max	0	0	0	0	0	0
Base	36	103	Sy	LinRespSpec	Max	0	0	0	0	0	0
Base	36	103	Sx-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	36	103	Sy-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	36	103	Sx-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	36	103	Sy-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	36	103	U1	Combination		0	0	2.424	112.227	-58.214	0
Base	36	103	U2	Combination		0	0	2.0777	96.195	-49.898	0
Base	36	103	U3	Combination		0	0	2.0777	96.195	-49.898	0
Base	36	103	U4	Combination		0	0	2.0777	96.195	-49.898	0
Base	36	103	U5	Combination		0	0	2.0777	96.195	-49.898	0
Base	36	103	U6	Combination		0	0	2.0777	96.195	-49.898	0
Base	36	103	U7	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	U7	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	U8	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	U8	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	U9	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	U9	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	U10	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	U10	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	U11	Combination		0	0	1.5583	72.146	-37.423	0
Base	36	103	U12	Combination		0	0	1.5583	72.146	-37.423	0
Base	36	103	U13	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	U13	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	36	103	U14	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	U14	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	36	103	U15	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	U15	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	36	103	U16	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	U16	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	36	103	S1	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S2	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S3	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S4	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S5	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S6	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S7	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S7	Combination	Min	0	0	1.7314	80.162	-41.581	0
Base	36	103	S8	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S8	Combination	Min	0	0	1.7314	80.162	-41.581	0
Base	36	103	S9	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S9	Combination	Min	0	0	1.7314	80.162	-41.581	0
Base	36	103	S10	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S10	Combination	Min	0	0	1.7314	80.162	-41.581	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	36	103	S11	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S12	Combination		0	0	1.7314	80.162	-41.581	0
Base	36	103	S13	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S13	Combination	Min	0	0	1.7314	80.162	-41.581	0
Base	36	103	S14	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S14	Combination	Min	0	0	1.7314	80.162	-41.581	0
Base	36	103	S15	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S15	Combination	Min	0	0	1.7314	80.162	-41.581	0
Base	36	103	S16	Combination	Max	0	0	1.7314	80.162	-41.581	0
Base	36	103	S16	Combination	Min	0	0	1.7314	80.162	-41.581	0
Base	36	103	S17	Combination		0	0	0.1039	4.81	-2.495	0
Base	36	103	S18	Combination		0	0	0.1039	4.81	-2.495	0
Base	36	103	S19	Combination	Max	0	0	0.1039	4.81	-2.495	0
Base	36	103	S19	Combination	Min	0	0	0.1039	4.81	-2.495	0
Base	36	103	S20	Combination	Max	0	0	0.1039	4.81	-2.495	0
Base	36	103	S20	Combination	Min	0	0	0.1039	4.81	-2.495	0
Base	36	103	S21	Combination	Max	0	0	0.1039	4.81	-2.495	0
Base	36	103	S21	Combination	Min	0	0	0.1039	4.81	-2.495	0
Base	36	103	S22	Combination	Max	0	0	0.1039	4.81	-2.495	0
Base	36	103	S22	Combination	Min	0	0	0.1039	4.81	-2.495	0
Base	36	103	Dx	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dx	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dy	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dy	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dx-1	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	Dx-1	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	36	103	Dy-1	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	Dy-1	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	36	103	Dx-Um	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dx-Um	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dx-1 -Um	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	Dx-1 -Um	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	36	103	Dy-Um	Combination	Max	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dy-Um	Combination	Min	0	0	2.0777	96.195	-49.898	0
Base	36	103	Dy-1-Um	Combination	Max	0	0	1.5583	72.146	-37.423	0
Base	36	103	Dy-1-Um	Combination	Min	0	0	1.5583	72.146	-37.423	0
Base	37	104	Dead	LinStatic		0	0	1.7314	80.162	41.581	0
Base	37	104	Live	LinStatic		0	0	0	0	0	0
Base	37	104	Sx-FHE	LinStatic		0	0	0	0	0	0
Base	37	104	Sy-FHE	LinStatic		0	0	0	0	0	0
Base	37	104	Lr	LinStatic		0	0	0	0	0	0
Base	37	104	Sx-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	37	104	Sx-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	37	104	Sy-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	37	104	Sy-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	37	104	W-	LinStatic		0	0	0	0	0	0
Base	37	104	W+	LinStatic		0	0	0	0	0	0
Base	37	104	F	LinStatic		0	0	0	0	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	37	104	He	LinStatic		0	0	0	0	0	0
Base	37	104	Sx	LinRespSpec	Max	0	0	0	0	0	0
Base	37	104	Sy	LinRespSpec	Max	0	0	0	0	0	0
Base	37	104	Sx-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	37	104	Sy-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	37	104	Sx-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	37	104	Sy-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	37	104	U1	Combination		0	0	2.424	112.227	58.214	0
Base	37	104	U2	Combination		0	0	2.0777	96.195	49.898	0
Base	37	104	U3	Combination		0	0	2.0777	96.195	49.898	0
Base	37	104	U4	Combination		0	0	2.0777	96.195	49.898	0
Base	37	104	U5	Combination		0	0	2.0777	96.195	49.898	0
Base	37	104	U6	Combination		0	0	2.0777	96.195	49.898	0
Base	37	104	U7	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	U7	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	U8	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	U8	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	U9	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	U9	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	U10	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	U10	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	U11	Combination		0	0	1.5583	72.146	37.423	0
Base	37	104	U12	Combination		0	0	1.5583	72.146	37.423	0
Base	37	104	U13	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	U13	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	37	104	U14	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	U14	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	37	104	U15	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	U15	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	37	104	U16	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	U16	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	37	104	S1	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S2	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S3	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S4	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S5	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S6	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S7	Combination	Max	0	0	1.7314	80.162	41.581	0
Base	37	104	S7	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S8	Combination	Max	0	0	1.7314	80.162	41.581	0
Base	37	104	S8	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S9	Combination	Max	0	0	1.7314	80.162	41.581	0
Base	37	104	S9	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S10	Combination	Max	0	0	1.7314	80.162	41.581	0
Base	37	104	S10	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S11	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S12	Combination		0	0	1.7314	80.162	41.581	0
Base	37	104	S13	Combination	Max	0	0	1.7314	80.162	41.581	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	37	104	S13	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S14	Combination	Max	0	0	1.7314	80.162	41.581	0
Base	37	104	S14	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S15	Combination	Max	0	0	1.7314	80.162	41.581	0
Base	37	104	S15	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S16	Combination	Max	0	0	1.7314	80.162	41.581	0
Base	37	104	S16	Combination	Min	0	0	1.7314	80.162	41.581	0
Base	37	104	S17	Combination		0	0	0.1039	4.81	2.495	0
Base	37	104	S18	Combination		0	0	0.1039	4.81	2.495	0
Base	37	104	S19	Combination	Max	0	0	0.1039	4.81	2.495	0
Base	37	104	S19	Combination	Min	0	0	0.1039	4.81	2.495	0
Base	37	104	S20	Combination	Max	0	0	0.1039	4.81	2.495	0
Base	37	104	S20	Combination	Min	0	0	0.1039	4.81	2.495	0
Base	37	104	S21	Combination	Max	0	0	0.1039	4.81	2.495	0
Base	37	104	S21	Combination	Min	0	0	0.1039	4.81	2.495	0
Base	37	104	S22	Combination	Max	0	0	0.1039	4.81	2.495	0
Base	37	104	S22	Combination	Min	0	0	0.1039	4.81	2.495	0
Base	37	104	Dx	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	Dx	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	Dy	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	Dy	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	Dx-1	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	Dx-1	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	37	104	Dy-1	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	Dy-1	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	37	104	Dx-Um	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	Dx-Um	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	Dx-1 -Um	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	Dx-1 -Um	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	37	104	Dy-Um	Combination	Max	0	0	2.0777	96.195	49.898	0
Base	37	104	Dy-Um	Combination	Min	0	0	2.0777	96.195	49.898	0
Base	37	104	Dy-1-Um	Combination	Max	0	0	1.5583	72.146	37.423	0
Base	37	104	Dy-1-Um	Combination	Min	0	0	1.5583	72.146	37.423	0
Base	11	32	Dead	LinStatic		2.0051	0.4449	12.8227	-7.106	143.727	0.232
Base	11	32	Live	LinStatic		0.5457	0.1079	2.649	-16.094	75.539	0.06
Base	11	32	Sx-FHE	LinStatic		-9.4559	0.2428	-4.401	-46.607	-2041.672	-1.049
Base	11	32	Sy-FHE	LinStatic		0.5429	-9.5134	-6.0297	2035.266	112.442	3.772
Base	11	32	Lr	LinStatic		0	0	0	0	0	0
Base	11	32	Sx-FHE+Exc	LinStatic		-8.8177	-0.6307	-4.6711	139.695	-1904.382	3.751
Base	11	32	Sx-FHE-Exc	LinStatic		-10.0942	1.1163	-4.1309	-232.908	-2178.962	-5.849
Base	11	32	Sy-FHE+Exc	LinStatic		-0.3536	-8.2864	-5.6503	1773.572	-80.406	-2.971
Base	11	32	Sy-FHE-Exc	LinStatic		1.4395	-10.7404	-6.4092	2296.96	305.29	10.515
Base	11	32	W-	LinStatic		0	0	0	0	0	0
Base	11	32	W+	LinStatic		0	0	0	0	0	0
Base	11	32	F	LinStatic		0	0	0	0	0	0
Base	11	32	He	LinStatic		0	0	0	0	0	0
Base	11	32	Sx	LinRespSpec	Max	7.2812	0.8541	3.1581	179.866	1571.868	4.483
Base	11	32	Sy	LinRespSpec	Max	2.2602	8.5001	4.8429	1817.33	484.488	17.921

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	11	32	Sx-Der	LinRespSpec	Max	5.8249	0.6832	2.5265	143.893	1257.49	3.586
Base	11	32	Sy-Der	LinRespSpec	Max	1.8082	6.8001	3.8743	1453.869	387.594	14.337
Base	11	32	Sx-Um	LinRespSpec	Max	1.4649	0.1685	0.6297	35.43	316.237	0.876
Base	11	32	Sy-Um	LinRespSpec	Max	0.4315	1.6757	0.9508	358.264	92.448	3.408
Base	11	32	U1	Combination		2.8072	0.6229	17.9518	-9.949	201.218	0.325
Base	11	32	U2	Combination		3.2792	0.7066	19.6257	-34.277	293.336	0.374
Base	11	32	U3	Combination		2.9518	0.6418	18.0363	-24.621	248.012	0.338
Base	11	32	U4	Combination		2.9518	0.6418	18.0363	-24.621	248.012	0.338
Base	11	32	U5	Combination		2.9518	0.6418	18.0363	-24.621	248.012	0.338
Base	11	32	U6	Combination		2.9518	0.6418	18.0363	-24.621	248.012	0.338
Base	11	32	U7	Combination	Max	4.9416	1.4929	19.189	156.645	677.316	2.803
Base	11	32	U7	Combination	Min	0.962	-0.2092	16.8836	-205.887	-181.292	-2.126
Base	11	32	U8	Combination	Max	4.0629	2.8309	19.4839	443.201	487.024	5.155
Base	11	32	U8	Combination	Min	1.8407	-1.5472	16.5887	-492.444	9	-4.478
Base	11	32	U9	Combination	Max	4.7721	0.8554	18.8258	20.345	640.979	1.459
Base	11	32	U9	Combination	Min	1.1315	0.4283	17.2468	-69.588	-144.955	-0.782
Base	11	32	U10	Combination	Max	3.5169	2.7669	19.247	429.711	369.134	4.819
Base	11	32	U10	Combination	Min	2.3867	-1.4832	16.8256	-478.954	126.89	-4.142
Base	11	32	U11	Combination		1.8046	0.4004	11.5405	-6.396	129.354	0.209
Base	11	32	U12	Combination		1.8046	0.4004	11.5405	-6.396	129.354	0.209
Base	11	32	U13	Combination	Max	3.7944	1.2515	12.6932	174.871	558.658	2.674
Base	11	32	U13	Combination	Min	-0.1852	-0.4506	10.3877	-187.662	-299.949	-2.256
Base	11	32	U14	Combination	Max	2.9157	2.5895	12.9881	461.427	368.366	5.025
Base	11	32	U14	Combination	Min	0.6935	-1.7886	10.0929	-474.218	-109.658	-4.607
Base	11	32	U15	Combination	Max	3.6249	0.6139	12.33	38.571	522.321	1.33
Base	11	32	U15	Combination	Min	-0.0157	0.1869	10.751	-51.362	-263.613	-0.912
Base	11	32	U16	Combination	Max	2.3697	2.5255	12.7512	447.937	250.476	4.689
Base	11	32	U16	Combination	Min	1.2395	-1.7246	10.3297	-460.728	8.233	-4.271
Base	11	32	S1	Combination		2.0051	0.4449	12.8227	-7.106	143.727	0.232
Base	11	32	S2	Combination		2.5508	0.5529	15.4718	-23.2	219.267	0.292
Base	11	32	S3	Combination		2.0051	0.4449	12.8227	-7.106	143.727	0.232
Base	11	32	S4	Combination		2.4144	0.5259	14.8095	-19.177	200.382	0.277
Base	11	32	S5	Combination		2.0051	0.4449	12.8227	-7.106	143.727	0.232
Base	11	32	S6	Combination		2.0051	0.4449	12.8227	-7.106	143.727	0.232
Base	11	32	S7	Combination	Max	2.7829	1.9773	13.8361	320.37	311.036	3.604
Base	11	32	S7	Combination	Min	1.2273	-1.0874	11.8094	-334.582	-23.581	-3.139
Base	11	32	S8	Combination	Max	2.7829	1.9773	13.8361	320.37	311.036	3.604
Base	11	32	S8	Combination	Min	1.2273	-1.0874	11.8094	-334.582	-23.581	-3.139
Base	11	32	S9	Combination	Max	3.2793	0.5944	13.3754	24.37	418.804	1.017
Base	11	32	S9	Combination	Min	0.7309	0.2955	12.2701	-38.583	-131.35	-0.552
Base	11	32	S10	Combination	Max	2.4007	1.9325	13.6703	310.927	228.512	3.368
Base	11	32	S10	Combination	Min	1.6096	-1.0426	11.9752	-325.139	58.942	-2.904
Base	11	32	S11	Combination		2.4144	0.5259	14.8095	-19.177	200.382	0.277
Base	11	32	S12	Combination		2.4144	0.5259	14.8095	-19.177	200.382	0.277
Base	11	32	S13	Combination	Max	3.4594	0.9729	15.415	76.043	425.857	1.572
Base	11	32	S13	Combination	Min	1.3693	0.0788	14.204	-114.396	-25.093	-1.018
Base	11	32	S14	Combination	Max	2.998	1.6756	15.5698	226.526	325.927	2.807
Base	11	32	S14	Combination	Min	1.8307	-0.6238	14.0492	-264.879	74.837	-2.253

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	11	32	S15	Combination	Max	3.3704	0.638	15.2242	4.44	406.768	0.866
Base	11	32	S15	Combination	Min	1.4583	0.4137	14.3948	-42.793	-6.005	-0.312
Base	11	32	S16	Combination	Max	2.7111	1.6419	15.4454	219.439	263.995	2.63
Base	11	32	S16	Combination	Min	2.1176	-0.5902	14.1736	-257.792	136.768	-2.076
Base	11	32	S17	Combination		0.1203	0.0267	0.7694	-0.426	8.624	0.014
Base	11	32	S18	Combination		0.1203	0.0267	0.7694	-0.426	8.624	0.014
Base	11	32	S19	Combination	Max	1.5132	0.6224	1.5763	126.46	309.136	1.739
Base	11	32	S19	Combination	Min	-1.2726	-0.569	-0.0376	-127.313	-291.889	-1.711
Base	11	32	S20	Combination	Max	0.8981	1.5591	1.7827	327.049	175.932	3.385
Base	11	32	S20	Combination	Min	-0.6575	-1.5057	-0.2439	-327.902	-158.685	-3.358
Base	11	32	S21	Combination	Max	1.3945	0.1762	1.322	31.05	283.701	0.798
Base	11	32	S21	Combination	Min	-1.1539	-0.1228	0.2167	-31.903	-266.453	-0.771
Base	11	32	S22	Combination	Max	0.5158	1.5142	1.6169	317.606	93.409	3.15
Base	11	32	S22	Combination	Min	-0.2752	-1.4608	-0.0781	-318.459	-76.162	-3.122
Base	11	32	Dx	Combination	Max	8.7767	1.3251	20.5628	119.271	1505.502	3.924
Base	11	32	Dx	Combination	Min	-2.8731	-0.0414	15.5098	-168.514	-1009.478	-3.248
Base	11	32	Dy	Combination	Max	4.76	7.442	21.9106	1429.248	635.606	14.675
Base	11	32	Dy	Combination	Min	1.1436	-6.1583	14.162	-1478.49	-139.582	-13.999
Base	11	32	Dx-1	Combination	Max	7.6295	1.0837	14.0669	137.497	1386.844	3.795
Base	11	32	Dx-1	Combination	Min	-4.0203	-0.2828	9.014	-150.288	-1128.136	-3.377
Base	11	32	Dy-1	Combination	Max	3.6128	7.2006	15.4148	1447.473	516.949	14.546
Base	11	32	Dy-1	Combination	Min	-0.0036	-6.3997	7.6661	-1460.264	-258.24	-14.128
Base	11	32	Dx-Um	Combination	Max	4.4167	0.8104	18.666	10.809	564.249	1.214
Base	11	32	Dx-Um	Combination	Min	1.4869	0.4733	17.4066	-60.051	-68.225	-0.537
Base	11	32	Dx-1 -Um	Combination	Max	3.2695	0.569	12.1702	29.034	445.591	1.085
Base	11	32	Dx-1 -Um	Combination	Min	0.3397	0.2319	10.9108	-41.825	-186.882	-0.666
Base	11	32	Dy-Um	Combination	Max	3.3833	2.3176	18.9871	333.643	340.46	3.746
Base	11	32	Dy-Um	Combination	Min	2.5203	-1.0339	17.0855	-382.886	155.564	-3.069
Base	11	32	Dy-1-Um	Combination	Max	2.2361	2.0762	12.4913	351.869	221.803	3.617
Base	11	32	Dy-1-Um	Combination	Min	1.3731	-1.2753	10.5896	-364.66	36.906	-3.199
Base	38	98	Dead	LinStatic		-1.3902	0.7031	11.8301	-42.485	-35.001	0.232
Base	38	98	Live	LinStatic		-0.3779	0.1925	2.411	-27.599	-46.608	0.06
Base	38	98	Sx-FHE	LinStatic		-9.2906	0.1224	4.5116	-25.094	-2019.801	-1.049
Base	38	98	Sy-FHE	LinStatic		0.4513	-9.1481	-5.996	1966.871	100.328	3.772
Base	38	98	Lr	LinStatic		0	0	0	0	0	0
Base	38	98	Sx-FHE+Exc	LinStatic		-8.6675	-0.4229	3.8651	92.229	-1884.526	3.751
Base	38	98	Sx-FHE-Exc	LinStatic		-9.9136	0.6676	5.158	-142.417	-2155.077	-5.849
Base	38	98	Sy-FHE+Exc	LinStatic		-0.4238	-8.3822	-5.0879	1802.071	-89.691	-2.971
Base	38	98	Sy-FHE-Exc	LinStatic		1.3265	-9.914	-6.904	2131.672	290.346	10.515
Base	38	98	W-	LinStatic		0	0	0	0	0	0
Base	38	98	W+	LinStatic		0	0	0	0	0	0
Base	38	98	F	LinStatic		0	0	0	0	0	0
Base	38	98	He	LinStatic		0	0	0	0	0	0
Base	38	98	Sx	LinRespSpec	Max	7.1522	0.5491	3.6273	117.715	1554.81	4.483
Base	38	98	Sy	LinRespSpec	Max	2.177	7.5265	5.5176	1618.486	473.494	17.921
Base	38	98	Sx-Der	LinRespSpec	Max	5.7217	0.4392	2.9018	94.172	1243.843	3.586
Base	38	98	Sy-Der	LinRespSpec	Max	1.7416	6.0212	4.4141	1294.794	378.799	14.337
Base	38	98	Sx-Um	LinRespSpec	Max	1.4389	0.1075	0.7328	23.032	312.799	0.876

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	38	98	Sy-Um	LinRespSpec	Max	0.4147	1.4811	1.0891	318.493	90.231	3.408
Base	38	98	U1	Combination		-1.9463	0.9843	16.5622	-59.479	-49.002	0.325
Base	38	98	U2	Combination		-2.2729	1.1517	18.0537	-95.141	-116.575	0.374
Base	38	98	U3	Combination		-2.0462	1.0362	16.6071	-78.581	-88.61	0.338
Base	38	98	U4	Combination		-2.0462	1.0362	16.6071	-78.581	-88.61	0.338
Base	38	98	U5	Combination		-2.0462	1.0362	16.6071	-78.581	-88.61	0.338
Base	38	98	U6	Combination		-2.0462	1.0362	16.6071	-78.581	-88.61	0.338
Base	38	98	U7	Combination	Max	-0.0948	1.738	17.9278	72.234	335.605	2.803
Base	38	98	U7	Combination	Min	-3.9975	0.3345	15.2865	-229.396	-512.824	-2.126
Base	38	98	U8	Combination	Max	-0.9655	2.959	18.2586	334.869	146.374	5.155
Base	38	98	U8	Combination	Min	-3.1268	-0.8866	14.9557	-492.032	-323.594	-4.478
Base	38	98	U9	Combination	Max	-0.2581	1.1735	17.5139	-49.153	300.093	1.459
Base	38	98	U9	Combination	Min	-3.8342	0.899	15.7003	-108.01	-477.312	-0.782
Base	38	98	U10	Combination	Max	-1.5019	2.9178	17.9865	326.04	29.764	4.819
Base	38	98	U10	Combination	Min	-2.5904	-0.8454	15.2277	-483.203	-206.983	-4.142
Base	38	98	U11	Combination		-1.2512	0.6328	10.6471	-38.237	-31.501	0.209
Base	38	98	U12	Combination		-1.2512	0.6328	10.6471	-38.237	-31.501	0.209
Base	38	98	U13	Combination	Max	0.7002	1.3345	11.9677	112.578	392.713	2.674
Base	38	98	U13	Combination	Min	-3.2025	-0.069	9.3265	-189.052	-455.715	-2.256
Base	38	98	U14	Combination	Max	-0.1705	2.5556	12.2985	375.213	203.483	5.025
Base	38	98	U14	Combination	Min	-2.3318	-1.29	8.9957	-451.687	-266.485	-4.607
Base	38	98	U15	Combination	Max	0.5369	0.77	11.5539	-8.808	357.201	1.33
Base	38	98	U15	Combination	Min	-3.0392	0.4955	9.7403	-67.665	-420.203	-0.912
Base	38	98	U16	Combination	Max	-0.7069	2.5144	12.0265	366.385	86.872	4.689
Base	38	98	U16	Combination	Min	-1.7954	-1.2488	9.2677	-442.858	-149.874	-4.271
Base	38	98	S1	Combination		-1.3902	0.7031	11.8301	-42.485	-35.001	0.232
Base	38	98	S2	Combination		-1.7681	0.8956	14.2411	-70.084	-81.61	0.292
Base	38	98	S3	Combination		-1.3902	0.7031	11.8301	-42.485	-35.001	0.232
Base	38	98	S4	Combination		-1.6736	0.8475	13.6383	-63.185	-69.957	0.277
Base	38	98	S5	Combination		-1.3902	0.7031	11.8301	-42.485	-35.001	0.232
Base	38	98	S6	Combination		-1.3902	0.7031	11.8301	-42.485	-35.001	0.232
Base	38	98	S7	Combination	Max	-0.6337	2.049	12.9861	246.93	129.488	3.604
Base	38	98	S7	Combination	Min	-2.1467	-0.6429	10.6741	-331.9	-199.49	-3.139
Base	38	98	S8	Combination	Max	-0.6337	2.049	12.9861	246.93	129.488	3.604
Base	38	98	S8	Combination	Min	-2.1467	-0.6429	10.6741	-331.9	-199.49	-3.139
Base	38	98	S9	Combination	Max	-0.1386	0.7992	12.4649	-21.885	237.091	1.017
Base	38	98	S9	Combination	Min	-2.6418	0.607	11.1953	-63.085	-307.093	-0.552
Base	38	98	S10	Combination	Max	-1.0092	2.0202	12.7957	240.75	47.86	3.368
Base	38	98	S10	Combination	Min	-1.7712	-0.614	10.8645	-325.72	-117.863	-2.904
Base	38	98	S11	Combination		-1.6736	0.8475	13.6383	-63.185	-69.957	0.277
Base	38	98	S12	Combination		-1.6736	0.8475	13.6383	-63.185	-69.957	0.277
Base	38	98	S13	Combination	Max	-0.6488	1.2161	14.332	16.04	152.845	1.572
Base	38	98	S13	Combination	Min	-2.6985	0.4788	12.9447	-142.409	-292.76	-1.018
Base	38	98	S14	Combination	Max	-1.106	1.8573	14.5057	153.961	53.472	2.807
Base	38	98	S14	Combination	Min	-2.2413	-0.1624	12.771	-280.33	-193.387	-2.253
Base	38	98	S15	Combination	Max	-0.7346	0.9196	14.1146	-47.729	134.189	0.866
Base	38	98	S15	Combination	Min	-2.6127	0.7754	13.1621	-78.64	-274.104	-0.312
Base	38	98	S16	Combination	Max	-1.3878	1.8357	14.3628	149.323	-7.788	2.63

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	38	98	S16	Combination	Min	-1.9595	-0.1407	12.9139	-275.692	-132.127	-2.076
Base	38	98	S17	Combination		-0.0834	0.0422	0.7098	-2.549	-2.1	0.014
Base	38	98	S18	Combination		-0.0834	0.0422	0.7098	-2.549	-2.1	0.014
Base	38	98	S19	Combination	Max	1.2825	0.5334	1.6343	103.021	294.85	1.739
Base	38	98	S19	Combination	Min	-1.4493	-0.449	-0.2146	-108.12	-299.05	-1.711
Base	38	98	S20	Combination	Max	0.6731	1.3881	1.8658	286.866	162.389	3.385
Base	38	98	S20	Combination	Min	-0.8399	-1.3038	-0.4462	-291.964	-166.589	-3.358
Base	38	98	S21	Combination	Max	1.1682	0.1383	1.3446	18.051	269.992	0.798
Base	38	98	S21	Combination	Min	-1.335	-0.0539	0.075	-23.149	-274.192	-0.771
Base	38	98	S22	Combination	Max	0.2976	1.3593	1.6754	280.686	80.761	3.15
Base	38	98	S22	Combination	Min	-0.4644	-1.2749	-0.2558	-285.784	-84.961	-3.122
Base	38	98	Dx	Combination	Max	3.6756	1.4755	19.5089	15.591	1155.234	3.924
Base	38	98	Dx	Combination	Min	-7.7679	0.597	13.7053	-172.753	-1332.453	-3.248
Base	38	98	Dy	Combination	Max	-0.3045	7.0574	21.0212	1216.213	290.189	14.675
Base	38	98	Dy	Combination	Min	-3.7878	-4.985	12.193	-1373.375	-467.409	-13.999
Base	38	98	Dx-1	Combination	Max	4.4706	1.072	13.5489	55.935	1212.342	3.795
Base	38	98	Dx-1	Combination	Min	-6.9729	0.1935	7.7453	-132.409	-1275.344	-3.377
Base	38	98	Dy-1	Combination	Max	0.4905	6.654	15.0612	1256.557	347.298	14.546
Base	38	98	Dy-1	Combination	Min	-2.9928	-5.3884	6.233	-1333.031	-410.3	-14.128
Base	38	98	Dx-Um	Combination	Max	-0.6073	1.1437	17.34	-55.55	224.189	1.214
Base	38	98	Dx-Um	Combination	Min	-3.485	0.9287	15.8743	-101.613	-401.409	-0.537
Base	38	98	Dx-1 -Um	Combination	Max	0.1877	0.7403	11.3799	-15.205	281.298	1.085
Base	38	98	Dx-1 -Um	Combination	Min	-2.6901	0.5253	9.9143	-61.268	-344.3	-0.666
Base	38	98	Dy-Um	Combination	Max	-1.6314	2.5173	17.6962	239.912	1.622	3.746
Base	38	98	Dy-Um	Combination	Min	-2.4609	-0.4449	15.518	-397.074	-178.841	-3.069
Base	38	98	Dy-1-Um	Combination	Max	-0.8364	2.1139	11.7362	280.256	58.73	3.617
Base	38	98	Dy-1-Um	Combination	Min	-1.6659	-0.8483	9.558	-356.73	-121.732	-3.199
Base	39	99	Dead	LinStatic		0	0	0.0274	-0.087	0	0
Base	39	99	Live	LinStatic		0	0	0	0	0	0
Base	39	99	Sx-FHE	LinStatic		0	0	0	0	0	0
Base	39	99	Sy-FHE	LinStatic		0	0	0	0	0	0
Base	39	99	Lr	LinStatic		0	0	0	0	0	0
Base	39	99	Sx-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	39	99	Sx-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	39	99	Sy-FHE+Exc	LinStatic		0	0	0	0	0	0
Base	39	99	Sy-FHE-Exc	LinStatic		0	0	0	0	0	0
Base	39	99	W-	LinStatic		0	0	0	0	0	0
Base	39	99	W+	LinStatic		0	0	0	0	0	0
Base	39	99	F	LinStatic		0	0	0	0	0	0
Base	39	99	He	LinStatic		0	0	0	0	0	0
Base	39	99	Sx	LinRespSpec	Max	0	0	0	0	0	0
Base	39	99	Sy	LinRespSpec	Max	0	0	0	0	0	0
Base	39	99	Sx-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	39	99	Sy-Der	LinRespSpec	Max	0	0	0	0	0	0
Base	39	99	Sx-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	39	99	Sy-Um	LinRespSpec	Max	0	0	0	0	0	0
Base	39	99	U1	Combination		0	0	0.0383	-0.121	0	0
Base	39	99	U2	Combination		0	0	0.0329	-0.104	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	39	99	U3	Combination		0	0	0.0329	-0.104	0	0
Base	39	99	U4	Combination		0	0	0.0329	-0.104	0	0
Base	39	99	U5	Combination		0	0	0.0329	-0.104	0	0
Base	39	99	U6	Combination		0	0	0.0329	-0.104	0	0
Base	39	99	U7	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	U7	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	U8	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	U8	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	U9	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	U9	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	U10	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	U10	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	U11	Combination		0	0	0.0247	-0.078	0	0
Base	39	99	U12	Combination		0	0	0.0247	-0.078	0	0
Base	39	99	U13	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	U13	Combination	Min	0	0	0.0247	-0.078	0	0
Base	39	99	U14	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	U14	Combination	Min	0	0	0.0247	-0.078	0	0
Base	39	99	U15	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	U15	Combination	Min	0	0	0.0247	-0.078	0	0
Base	39	99	U16	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	U16	Combination	Min	0	0	0.0247	-0.078	0	0
Base	39	99	S1	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S2	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S3	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S4	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S5	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S6	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S7	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S7	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S8	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S8	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S9	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S9	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S10	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S10	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S11	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S12	Combination		0	0	0.0274	-0.087	0	0
Base	39	99	S13	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S13	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S14	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S14	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S15	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S15	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S16	Combination	Max	0	0	0.0274	-0.087	0	0
Base	39	99	S16	Combination	Min	0	0	0.0274	-0.087	0	0
Base	39	99	S17	Combination		0	0	0.0016	-0.005	0	0
Base	39	99	S18	Combination		0	0	0.0016	-0.005	0	0

Table 5.8 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-cm	MY tonf-cm	MZ tonf-cm
Base	39	99	S19	Combination	Max	0	0	0.0016	-0.005	0	0
Base	39	99	S19	Combination	Min	0	0	0.0016	-0.005	0	0
Base	39	99	S20	Combination	Max	0	0	0.0016	-0.005	0	0
Base	39	99	S20	Combination	Min	0	0	0.0016	-0.005	0	0
Base	39	99	S21	Combination	Max	0	0	0.0016	-0.005	0	0
Base	39	99	S21	Combination	Min	0	0	0.0016	-0.005	0	0
Base	39	99	S22	Combination	Max	0	0	0.0016	-0.005	0	0
Base	39	99	S22	Combination	Min	0	0	0.0016	-0.005	0	0
Base	39	99	Dx	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	Dx	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	Dy	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	Dy	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	Dx-1	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	Dx-1	Combination	Min	0	0	0.0247	-0.078	0	0
Base	39	99	Dy-1	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	Dy-1	Combination	Min	0	0	0.0247	-0.078	0	0
Base	39	99	Dx-Um	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	Dx-Um	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	Dx-1 -Um	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	Dx-1 -Um	Combination	Min	0	0	0.0247	-0.078	0	0
Base	39	99	Dy-Um	Combination	Max	0	0	0.0329	-0.104	0	0
Base	39	99	Dy-Um	Combination	Min	0	0	0.0329	-0.104	0	0
Base	39	99	Dy-1-Um	Combination	Max	0	0	0.0247	-0.078	0	0
Base	39	99	Dy-1-Um	Combination	Min	0	0	0.0247	-0.078	0	0

5.4 Modal Results

Table 5.9 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	0.604	1.656	10.4078	108.3215
Modal	2	0.589	1.699	10.6751	113.9574
Modal	3	0.533	1.876	11.7845	138.8744
Modal	4	0.213	4.703	29.5492	873.1525
Modal	5	0.197	5.084	31.9421	1020.2965
Modal	6	0.171	5.833	36.6495	1343.188
Modal	7	0.019	53.228	334.4422	111851.6004
Modal	8	0.017	57.957	364.1536	132607.8512
Modal	9	0.016	61.146	384.1898	147601.8039
Modal	10	0.016	62.488	392.6245	154153.9822
Modal	11	0.015	66.115	415.4104	172565.8058
Modal	12	0.015	68.959	433.2813	187732.7185

Table 5.10 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	1	0.604	0.8436	0.0059	0	0.8436	0.0059	0	0.0015	0.3165	0.0057
Modal	2	0.589	0.0101	0.7559	0	0.8536	0.7619	0	0.2607	0.0063	0.0792
Modal	3	0.533	0.003	0.0927	0	0.8566	0.8546	0	0.0739	0.0068	0.7686

Table 5.10 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	4	0.213	0.0131	0.0879	0	0.8697	0.9425	0	0.3789	0.0571	0.0553
Modal	5	0.197	0.1236	0.02	0	0.9934	0.9625	0	0.0929	0.5787	4.545E-05
Modal	6	0.171	0.0066	0.0375	0	1	1	0	0.192	0.0346	0.0911
Modal	7	0.019	0	0	0	1	1	0	0	6.323E-07	0
Modal	8	0.017	0	0	0	1	1	0	1.523E-06	7.754E-07	0
Modal	9	0.016	0	0	0	1	1	0	5.608E-07	5.091E-07	0
Modal	10	0.016	0	6.675E-07	0	1	1	0	2.315E-06	7.537E-07	7.386E-07
Modal	11	0.015	0	0	0	1	1	0	1.263E-06	0	0
Modal	12	0.015	0	0	0	1	1	0	0	5.153E-07	0

Table 5.10 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	SumRX	SumRY	SumRZ
Modal	1	0.0015	0.3165	0.0057
Modal	2	0.2622	0.3229	0.085
Modal	3	0.3361	0.3296	0.8536
Modal	4	0.715	0.3867	0.9088
Modal	5	0.8079	0.9654	0.9089
Modal	6	1	1	1
Modal	7	1	1	1
Modal	8	1	1	1
Modal	9	1	1	1
Modal	10	1	1	1
Modal	11	1	1	1
Modal	12	1	1	1

Table 5.11 - Modal Load Participation Ratios

Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	100
Modal	Acceleration	UY	100	100
Modal	Acceleration	UZ	0	0

Table 5.12 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.604	0.981	0.006	0	0.013
Modal	2	0.589	0.014	0.864	0	0.123
Modal	3	0.533	0.008	0.137	0	0.855
Modal	4	0.213	0.086	0.575	0	0.338
Modal	5	0.197	0.861	0.139	0	0
Modal	6	0.171	0.051	0.282	0	0.668
Modal	7	0.019	0.004	0	0	0.996
Modal	8	0.017	0	0	0	1
Modal	9	0.016	0	0	0	1
Modal	10	0.016	0	0	0	1
Modal	11	0.015	0	0	0	1
Modal	12	0.015	0	0	0	1