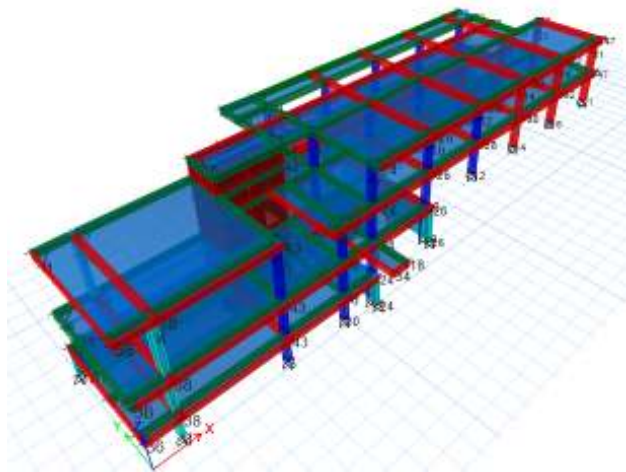


**DISEÑO ESTRUCTURAL  
JARDIN SANTA TERESITA  
AV. CARRERA 15A ESTE CALLE 62 SUR  
LOCALIDAD DE SAN CRISTOBAL, BOGOTÁ D.C.  
MODULO 1**



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**MEMORIAS DE CALCULO ESTRUCTURAL  
JUNIO DE 2018**

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### ANEXOS

- Datos de entrada
- Análisis de carga
- Espectro elástico de diseño.
- Desplazamientos de piso
- Control de derivas
- Diseño de elementos del sistema de resistencia sísmica y cargas verticales (vigas y columnas).
- Reacciones
- Diseño de Dados y vigas de amarre.
- Diseño de elementos no estructurales

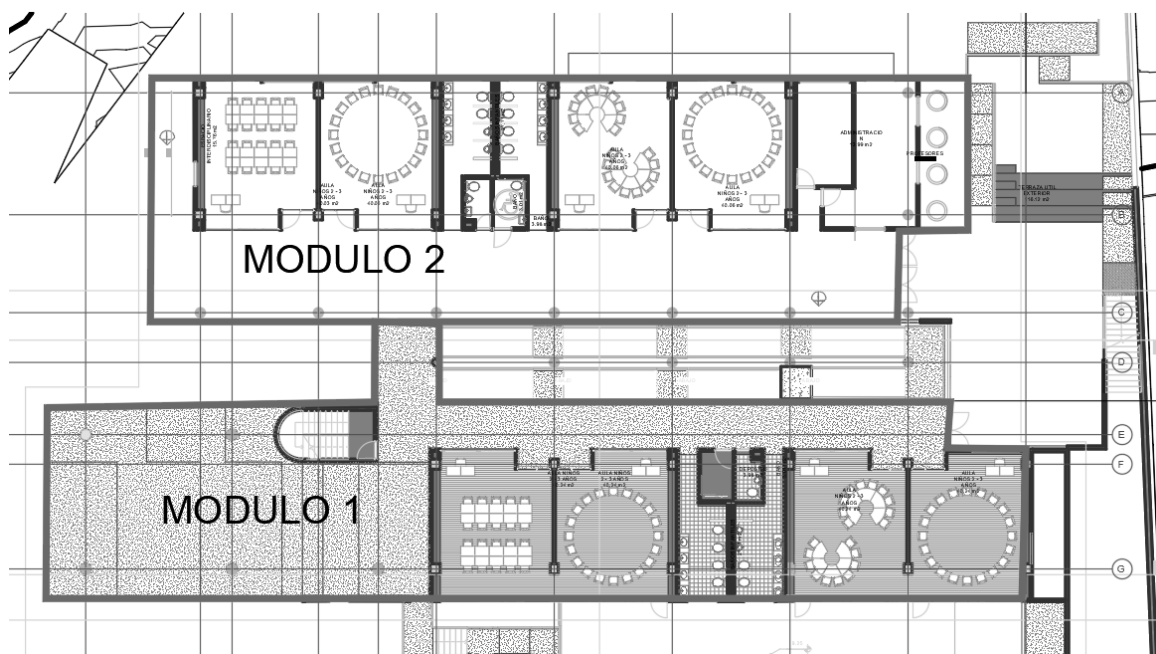
## 1. INTRODUCCION.

El proyecto arquitectónico contempla la construcción de un jardín infantil desarrollado en dos módulos dentro de un predio de perfil montañoso. El primer módulo es una estructura de cuatro niveles, el primer nivel (planta baja) es una parte del basamento de la estructura y contempla la colocación de los cuartos técnicos, bodega, depósito y de servicios en un área del 40% del paramento del edificio, en el segundo nivel (piso 1) se encuentra el comedor de estudiantes, la cocina y algunas aulas de uso múltiple, en el tercer nivel (piso 2) está el aula de recreación interna de doble altura, la zona de baños y dos aulas infantiles, en el cuarto nivel (piso 3) se tiene la zona de baños y dos aulas infantiles, por último se tiene la cubierta plana no transitable.

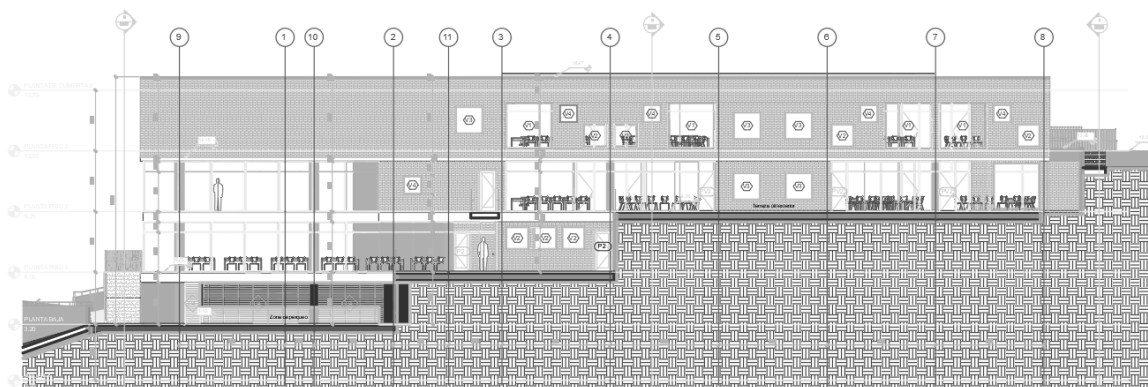
El segundo módulo es una estructura de dos niveles, el primer nivel coincide con la planta de piso 1 del módulo 1 y contiene un área de recreación dos aulas infantiles, la zona de baños y un área administrativa, en el segundo nivel se ubican el área de primeros auxilios, un vestíbulo, las salas cuna, dos zonas de baños y un cuarto de almacén, la cubierta del edificio es plana, no transitable y coincide con la cubierta del primer módulo.

Teniendo en cuenta que el proyecto se desarrolla en múltiples niveles en un lote de media ladera, es necesario contemplar la construcción de elementos de contención para la confirmación de los primeros dos niveles del módulo 1 y las terrazas y zonas de acceso al proyecto.

A ambas estructuras se puede acceder por medio una rampa en dos tramos por piso ubicada entre los dos módulos que arranca desde el piso 1 y llega hasta la planta de piso 3.



**Ilustración 1:** Planta arquitectonica del proyecto .



**Ilustración 2:** Corte transversal del jardín infantil.

## 2. PARAMETROS DE DISEÑO

### 2.1.LOCALIZACIÓN:

El proyecto se encuentra localizado Av. carrera 15a este con calle 62 sur de la localidad de San Cristóbal del distrito capital, Bogotá D.C.

### 2.2. NIVEL DE AMENAZA SISMICA:

Según lo establece la Norma NSR-10, el Distrito Capital se encuentra ubicado dentro de una zona de amenaza sísmica **Intermedia**, por lo tanto, para el diseño se toma el espectro correspondiente, que según el sitio oficial de consulta [www.sire.gov.co](http://www.sire.gov.co), se encuentra ubicado en un área intermedia entre la zona de depósito ladera y cerros del mapa de microzonificación de respuesta sísmica del 2010.

### 2.3.NUMERO DE PISOS:

El edificio se desarrolla en un predio de media ladera y contempla 4 niveles más cubierta plana en el módulo 1.

### 2.4.DESCRIPCIÓN DEL SISTEMA ESTRUCTURAL:

Para el módulo 1, el sistema estructural está definido como un **sistema combinado** entre pórticos en concreto resistentes a momento y muros estructurales en concreto resistentes a momento con capacidad disipación moderada de energía **DMO** en las dos direcciones ortogonales principales en planta.

El sistema de entrepiso en los niveles N+6.0 y N+14.20 consiste en una losa maciza de 8 cm de espesor sobre un sistema de viguetas descolgadas con casetones de hasta 1.8 m de ancho, en el resto de la edificación el sistema de entrepiso requiere torta inferior por lo que la separación entre viguetas se reduce a 0.8 m entre ejes apoyando una torta superior de 5 cm y una torta inferior de 3 cm.

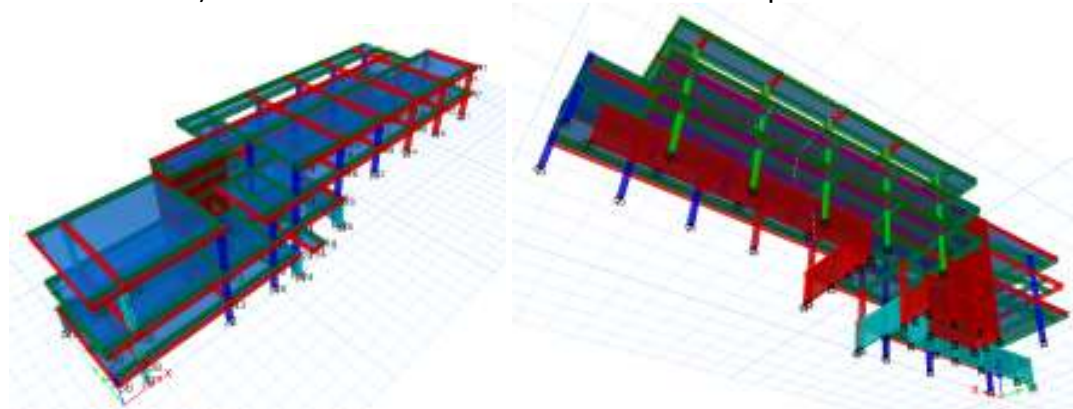


Como se puede apreciar en los datos de entrada del modelo las viguetas se modelaron dentro de un elemento tipo membrana, que no tiene en cuenta la rigidez de las viguetas, solo su peso propio.

## 2.5.DESCRIPCIÓN DEL MODELO DE ANALISIS

Dadas las características particulares de este tipo de estructura, y el interés de conocer el comportamiento de la edificación ante las acciones sísmicas a las cuales se verá sometida, para el análisis y diseño estructural se realizó un modelo tridimensional usando el software ETABS. El peso propio de los elementos es considerado directamente por el programa, pesos adicionales de acabados y otros son agregados directamente y llevados a los elementos como carga distribuida sobre las vigas.

A continuación, se muestra el modelo estructural utilizado para el diseño.



**Ilustración 3:** Modelo en 3D del modulo 1 del jardin infantil.

## 2.6.CAPACIDAD DE DISIPACION DE ENERGÍA

De acuerdo con el material de la estructura y las características del sistema de resistencia sísmica, así como el uso que tendrá la construcción, se establece el grado de disipación de energía para el proyecto como Disipación Moderada de Energía (DMO).

Se analizó la geometría y rigidez de la edificación para determinar sus irregularidades de acuerdo con los parámetros de la Norma. Se realizó el correspondiente chequeo de irregularidades conforme a lo establecido en las tablas A.3-5, A.3-6 y A.3-7 de la NSR-10, a partir de este se obtuvieron los siguientes coeficientes de reducción de la capacidad de disipación de energía:

### MODULO 1:

#### IRREGULARIDAD EN PLANTA DIRECCION X

IRREGULARIDAD	DESCRIPCIÓN	$\phi$		$\phi$ USADO
1aP	Irregularidad Torsional	0.9	NA	1.00
1bP	Irregularidad Torsional Extrema	0.8	NA	1.00
2P	Restrocesos excesivos en las esquinas	0.9	SI	0.90
3P	Discontinuidades en el diafragma	0.9	NA	1.00
4P	desplazamientos en el plano de accion elemetos verticales	0.8	NA	1.00
5P	Sistemas no paralelos	0.9	NA	0.90
			<b>USAR</b>	<b>0.90</b>

#### IRREGULARIDAD EN ALTURA DIRECCION X

IRREGULARIDAD	DESCRIPCIÓN	$\phi$		$\phi$ USADO
1aA	Piso Flexible	0.9	NA	1.00
1bA	Piso Flexible Extremo	0.8	NA	1.00
2A	Irregularidad en la distribucion de las masas	0.9	NA	1.00
3A	Irregularidad Geometrica	0.9	NA	1.00
4A	Desplazamientos dentro del plano de acción	0.8	NA	1.00
5aA	Piso Debil.	0.9	NA	1.00
5bA	Piso debil Extremo.	0.8	NA	1.00
			<b>USAR</b>	<b>1.00</b>

$\phi_P$	$\phi_A$	$\phi_R$
0.90	1.00	1.00

<b>Rox=</b>	5
<b>R'ox=</b>	4.5
<b>1/R'ox=</b>	0.222
<b>0.3/R'ox=</b>	0.0666

#### IRREGULARIDAD EN PLANTA DIRECCION Y

IRREGULARIDAD	DESCRIPCIÓN	$\phi$		$\phi$ USADO
1aP	Irregularidad Torsional	0.9	SI	0.90
1bP	Irregularidad Torsional Extrema	0.8	NA	0.80
2P	Restrosos excesivos en las esquinas	0.9	SI	0.90
3P	Discontinuidades en el diafragma	0.9	NA	1.00
4P	desplazamientos en el plano de accion elemetos verticales	0.8	NA	1.00
5P	Sistemas no paralelos	0.9	SI	0.90
			<b>USAR</b>	<b>0.80</b>

#### IRREGULARIDAD EN ALTURA DIRECCION Y

IRREGULARIDAD	DESCRIPCIÓN	$\phi$		$\phi$ USADO
1aA	Piso Flexible	0.9	NA	1.00
1bA	Piso Flexible Extremo	0.8	NA	1.00
2A	Irregularidad en la distribucion de las masas	0.9	NA	1.00
3A	Irregularidad Geometrica	0.9	NA	1.00
4A	Desplazamientos dentro del plano de acción	0.8	NA	1.00
5aA	Piso Debil.	0.9	NA	1.00
5bA	Piso debil Extremo.	0.8	NA	1.00
			<b>USAR</b>	<b>1.00</b>

$\phi_P$	$\phi_A$	$\phi_R$
0.80	1.00	0.75

<b>Roy=</b>	5
<b>R'oy=</b>	3.0
<b>1/R'oy=</b>	0.33
<b>0.3/R'ox=</b>	0.10

## 2.7.CARGAS:

Las cargas muertas se calcularon de acuerdo con el peso propio de todos los elementos considerados a partir de la masa de los materiales según su densidad, por lo tanto, en el modelo solo se incorporan las cargas sobre impuestas (carga viva, acabados y ocupación debida a equipos) ya que los demás elementos estarían modelados, las viguetas se diseñan aparte sobre un modelo en DC-CAD.

Las cargas muertas sobre impuestas utilizadas en el diseño son:

### MODULO 1:

- **Cargas muertas Cubierta plana:**

- Acabados:120 Kg/m<sup>2</sup>
- Casetón+ instalaciones:25 Kg/m<sup>2</sup>
- Antepechos, muros divisorios:25 Kg/m<sup>2</sup>
- Equipos fijos: 80 Kg/m<sup>2</sup>
- Cubierta verde: 120kg/m<sup>2</sup>

- **Cargas muertas piso 3:**

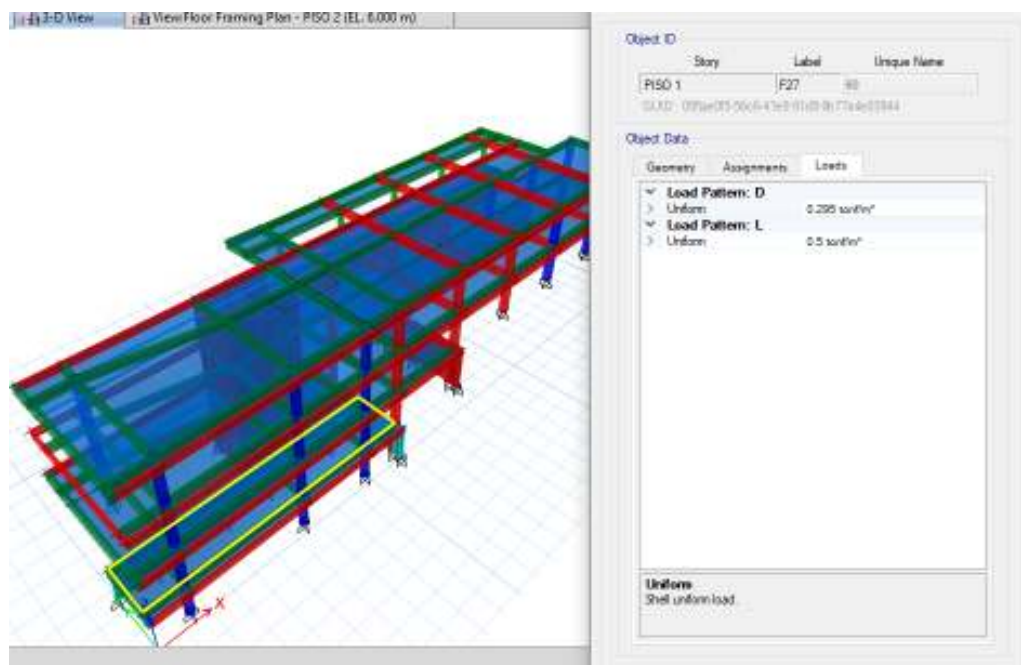
- Acabados:150 Kg/m<sup>2</sup>
- Casetón+ instalaciones:25 Kg/m<sup>2</sup>
- muros divisorios:200 Kg/m<sup>2</sup>
- muros divisorios baterías de baños:240 Kg/m<sup>2</sup>

- **Cargas muertas piso 2:**

- Acabados:150 Kg/m<sup>2</sup>
- Casetón+ instalaciones:25 Kg/m<sup>2</sup>
- muros divisorios:120 Kg/m<sup>2</sup>

- **Cargas muertas piso 1:**

- Acabados:150 Kg/m<sup>2</sup>
- Cielo Raso+ instalaciones:25 Kg/m<sup>2</sup>
- muros divisorios:120 Kg/m<sup>2</sup>



**Ilustración 4:**Asignacion de carga muerta sobrepuesta al modelo de analisis del modulo 1.

De acuerdo con el uso que tendrá la edificación, las cargas vivas utilizadas en el análisis son las siguientes:

- **Cargas vivas:**
  - Cubierta plana: 500 Kg/m<sup>2</sup>
  - Piso 2 y 3: 200 Kg/m<sup>2</sup>
  - Piso 1: 500 Kg/m<sup>2</sup>

## 2.8.MOVIMIENTO SÍSMICO DE DISEÑO

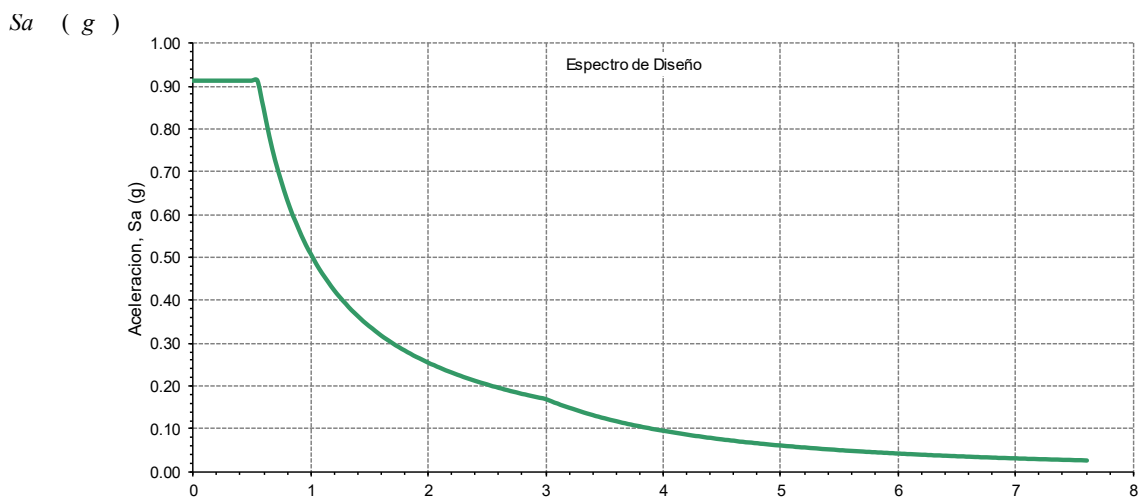
De acuerdo con el estudio de suelos el cual verificó la clasificación teniendo en cuenta la profundidad a la se encuentra la roca, el predio donde se localiza el proyecto puede ser catalogado como **Piedemonte B**.

Los parámetros para el cálculo de la fuerza sísmica utilizados en el dimensionamiento del edificio, de acuerdo con la Microzonificación Sísmica de Bogotá, son los siguientes:

*Zona: PIEDEMONTE B.*

1. Aceleración horizontal pico efectiva de diseño.  $A_a = 0.15 \text{ g}$
2. Aceleración que representa la velocidad horizontal pico efectiva de diseño,

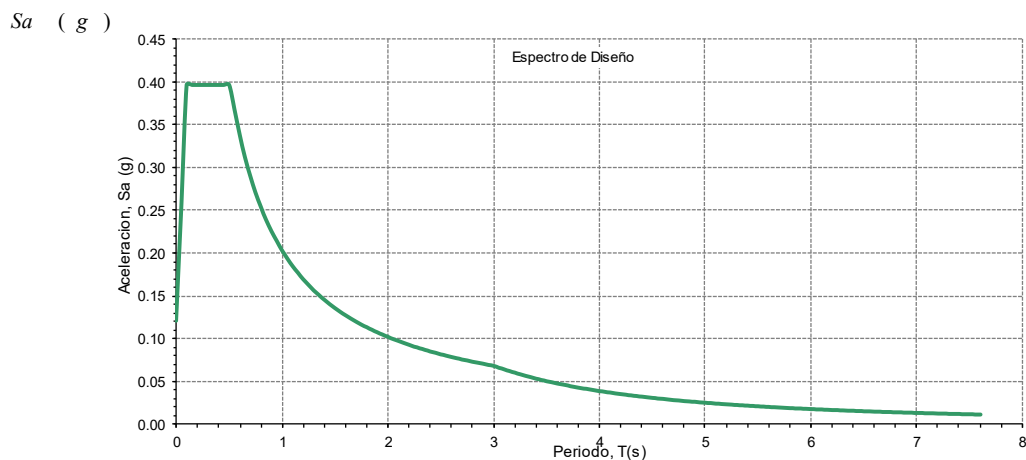
- $A_v = 0.20 \text{ g}$
3. Coeficiente de amplificación que afecta la aceleración en la zona de períodos cortos  $F_a = 1.95$
  4. Coeficiente de amplificación que afecta la aceleración en la zona de períodos intermedios  $F_v = 1.70$
  5. Coeficiente de Importancia  $I = 1.25$  (Grupo III)
  6.  $T_c = 0.56 \text{ s}$
  7.  $T_L = 3.00 \text{ s}$



**Ilustración 5:** Espectro elástico de aceleraciones de diseño como fracción de la gravedad.

## 2.9.MOVIMIENTOS PARA EL UMBRAL DE DAÑO.

De acuerdo con los requisitos de A.12 para edificaciones educativas (Grupo III), se hizo la verificación de las derivas para el Umbral de daño, de acuerdo con las gráficas de la Tabla 5 del Decreto 523 de 2010.



**Ilustración 6:** Espectro elástico de aceleraciones para el umbral de daño.

## 2.10. FUERZAS SÍSMICAS

Las fuerzas sísmicas se calcularon por el Método del análisis dinámico espectral como se establece en el Capítulo A.5 de la NSR-10. Se calcularon 45 y 9 modos de vibración para el módulo 1 y 2 respectivamente, obteniendo el 100% de participación de masa en ambas direcciones. Los resultados de cada modo se combinaron mediante el método CQC para obtener el cortante total en la base. El valor del cortante dinámico se ajustó de la siguiente manera:

### 2.10.1. FUERZA HORIZONTAL EQUIVALENTE (A.4.2 NSR-10).

#### 2.10.1.1. DETERMINACION DE LA MASA SISMICA TOTAL EN LA EDIFICACION:

La determinación de la masa total de la edificación (M) se hace por nivel midiendo sobre los planos los volúmenes de los elementos permanentes (placas en concreto, muros divisorios y antepechos, acabados, equipos fijos, etc.), a continuación se hace un resumen de la medición de estos elementos en cada caso:

- A. **PLACAS DE ENTREPISO AEREAS:** Se determina el peso real de las placas midiendo en planos los volúmenes, y teniendo en cuenta las tortas de placas macizas (ver ilustración). En base a esto se determinó el peso de estos elementos.

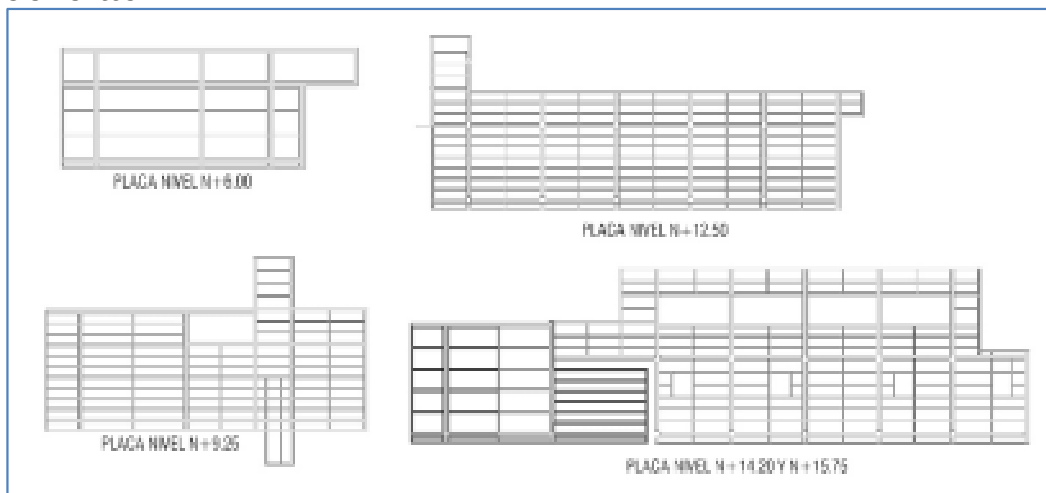


Ilustración 7 Volúmenes de placas en concreto (vigas viguetas y placas macizas).



NIVEL	AREA PLACA (m2)	AREA VIGAS Y VIGUETAS (m2)	Espesor placas macizas (m)	VOLUMEN PLACA (m3)	PESO PLACA (ton)
N+15.75	357.6	101.8	0.08	71.364	<b>171.2736</b>
N+14.20	148.02	30.22	0.08	24.534	<b>58.8816</b>
N+12.50	317.2	83.4	0.08	60.404	<b>144.9696</b>
N+9.25	248.7	67.2	0.08	48.12	<b>115.488</b>
N+6.00	194.1	56.7	0.08	39.342	<b>94.4208</b>

**B. MUROS DIVISORIOS/ANTEPECHOS:** En primer lugar se determina la densidad equivalente de lo mampostería a utilizar en los cuales se tiene en cuenta la densidad de la mampostería a usar y el pañete por ambos costados, usado incluso para los muros exteriores de manera conservadora por otra parte se definen unas zonas con mayor densidad de muros, para modelar de manera más eficiente dichas cargas:

ANALISIS DE CARGA MUROS DIVISORIOS			
TIPO DE MAMPOSTERIA	BLOQUE N° 4		
PESO DE LA MAMPOSTERIA	69		
PESO PAÑETE (3cm) (kg/m)	66		
Volumen de un M2 de m	0.09		
Densidad equivalente m	1500		
	<b>zona 1 (aulas)</b>	<b>zona 2 (baterias de Baño)</b>	<b>Zona 3 (Aulas)</b>
Area muros (m2)	2.66	4.5	2.52
altura muros (m2)	2.75	2.75	2.75
Volumen muros (m3)	7.315	12.375	6.93
Densidad mamposteria	1.5	1.5	1.5
Peso Muros (ton)	10.9725	18.5625	10.395
Area aferente (m2)	88.3	78.6	79.5
Carga distribuida placa (	<b>0.124</b>	<b>0.236</b>	<b>0.131</b>
Antepechos	1.55	0.7	1.35
altura antepechos	1.2	1.2	1.2
Volumen antepechos	1.86	0.84	1.62
peso antepechos	2.79	1.26	2.43
Carga distribuida antepe	<b>0.032</b>	<b>0.016</b>	<b>0.031</b>
<b>CARGA TOTAL MUROS</b>	<b>156</b>	<b>252</b>	<b>161</b>
NOTA: los muros internos son muros de arcilla N4 con pañete y pintura, en la fachada son a la vista conservadoramente se toma un valor de 170 kg/m2 para todas las placas excepto en las baterias de Baños.			

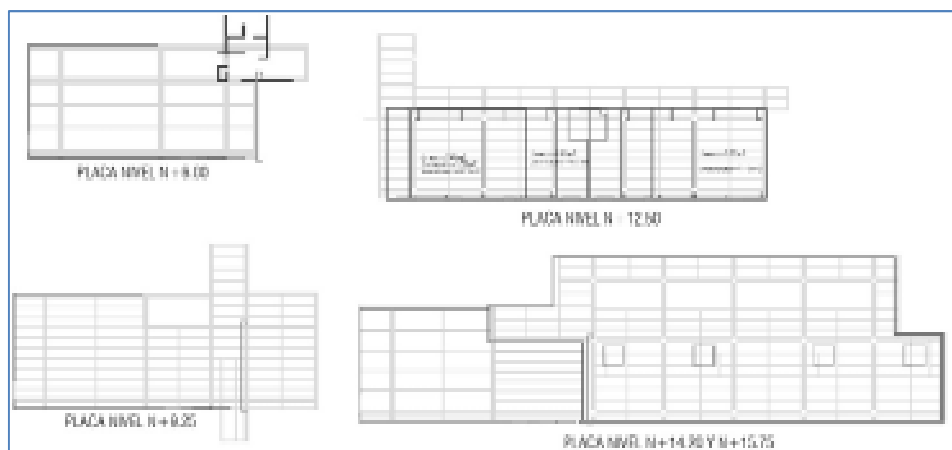


Ilustración 8 valuación de muros divisorios.

NIVEL	AREA PLACA (m2)	AREA MUROS (m2)	ALTURA MUROS(m)	VOLUMEN MUROS (m3)	PESO MUROS (tonf)
N+15.75	357.6	22	1.1	24.2	36.3
N+14.20	148.02	4.2	2.6	10.92	16.38
N+12.50	317.2	10.2	2.75	28.05	42.075
N+9.25	248.7	6.01	4.4	26.444	39.666
N+6.00	194.1	2.81	2.75	7.7275	11.59

C. **COLUMNAS Y MUROS DE CONTENCIÓN.** Se determino en cada piso el volumen de los elementos verticales (columnas, pantallas y muros de contención).

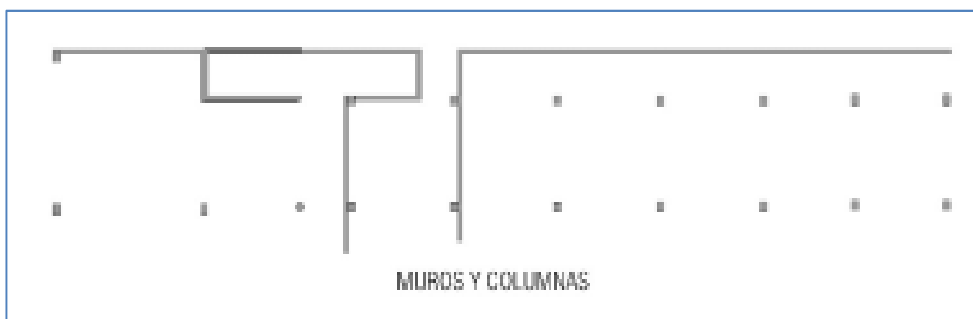


Ilustración 9 Determinación volúmenes columnas y muros

NIVEL	AREA PLACA (m2)	AREA COLUMNAS Y MUROS (m2)	ALTURA ELEMENTOS (m)	VOLUMEN MUROS (m3)	PESO (tonf)
N+15.75	357.6	6.07	1.375	8.34625	20.031
N+14.20	148.02	4.3	2.1	9.03	21.672
N+12.50	317.2	6.8	2.75	18.7	44.88
N+9.25	248.7	6.5	4.4	28.6	68.64
N+6.00	194.1	5.75	2.75	15.8125	37.95

D. **CARGAS MUERTAS SOBRE IMPUESTAS:** Corresponden a las cargas muertas sobre impuestas diferentes a muros divisorios, las cuales se pueden apreciar en detalle en los análisis de carga de cada placa.

NIVEL	AREA PLACA (m2)	ACABADOS/CASETON/CIELORASO/ CUB VERDE/EQUIPOS FIJOS.	PESO (tonf)
N+15.75	357.6	0.37	<b>132.312</b>
N+14.20	148.02	0.175	<b>25.9035</b>
N+12.50	317.2	0.175	<b>55.51</b>
N+9.25	248.7	0.175	<b>43.5225</b>
N+6.00	194.1	0.175	<b>33.9675</b>

NIVEL	CARGA MUERTA TOTAL (tonf)
N+15.75	<b>359.92</b>
N+14.20	<b>122.84</b>
N+12.50	<b>287.43</b>
N+9.25	<b>267.32</b>
N+6.00	<b>177.93</b>
<b>TOTAL</b>	<b>1215.43</b>

### 2.10.1.2. PARAMETROS SISMICOS DE LA ESTRUCTURA Y FUERZA HORIZONTAL EQUIVALENTE:

#### Parametros de la Estructura

Sistema estructural	Porticos de concreto
h (m) = 12.5	
Ct = 0.047	
a = 0.9	
Ta (s) = 0.456	
Cu = 1.342	Cu*Ta = 0.612 s
R <sub>0</sub> = 5.0	
Periodo Modelo Estructural, T= 0.349	seg
Chequeo A.5.4.5, T < Cu*Ta : OK	
T (s)= 0.349	
Sa = 0.914	

Nivel	Altura Piso (m)	Area (m <sup>2</sup> )	CM (kN/m <sup>2</sup> )	Ppropio (kN/m <sup>2</sup> )	Masa (kN.seg <sup>2</sup> /m)
N+15.75	1.55	357.6	3.700	6.365	366.887
N+14.20	1.7	148.02	1.750	6.549	125.216
N+12.50	3.25	317.2	1.750	7.312	293.002
N+9.25	3.25	248.7	1.750	8.999	272.494
N+6.00	2.75	194.1	1.750	7.417	181.376
Masa Total =					1238.975

$$V_s = S_a * g * M$$

$$V_s = 11109.070 \text{ kN}$$

$$F_x = C_{vx} * V_s$$

$$\text{donde } C_{vx} = \frac{M_x * h_x^k}{\sum m_i * h_i^k}$$

Estructura Regular=	NO
Vdiseño=	0.9x 11109.070 = 999.8 ton

#### Distribucion de Fuerzas Horizontales

Nivel	hi (m)	wi (kN)	wi hi <sup>k</sup>	Cvx	Fx (kN)	Fx (Ton)
N+15.75	12.5	366.887	12.50	0.30	3350.14	335.01
N+14.20	10.95	125.216	10.95	0.26	2934.72	293.47
N+12.50	9.25	293.002	9.25	0.22	2479.10	247.91
N+9.25	6	272.494	6.00	0.14	1608.07	160.81
N+6.00	2.75	181.376	2.75	0.07	737.03	73.70
Totales		1238.975	41.45	1.00	11109.07	1110.91

Ajuste de resultados (A.5.4.5):

$$T_a = 0.456 \text{ s}$$

$$C_u = 1.75 - 1.2 A_v * F_v = 1.342$$

$$T_{din} = 0.369$$

$$S_a = 0.914 g$$

Peso del edificio: W= 1238.67 Ton.

Cortante basal estático:  $V_s = W * S_a = 1110.9 \text{ Ton}$

Cortante a considerar en el diseño (90%):  $V_s = 999.8 \text{ Ton}$

Cortante dinámico en X:  $V_{sx} = 793.9 \text{ Ton}$

Factor de ajuste en X:  $F_x = 1.26$

Cortante dinámico en Z:  $V_{sy} = 680.15 \text{ Ton}$

Factor de ajuste en Z:  $F_y = 1.47$

## 2.11. CIMENTACION:

El informe de suelos fue llevado a cabo por la firma IngerCivil Ingeniería, Geotecnia y Riesgos S.A.S., en el informe FR-IN-05 de junio de 2018, se se ha concluido que la cimentación más conveniente para la estructura es aquella conformada por zapatas cuadradas aisladas en concreto reforzado apoyadas a mínimo 0.5 m de profundidad medidos a partir de la cota actual del terreno. Las zapatas se enlazarán mediante una red de vigas de amarre proyectadas para trasladar un 10% de la carga a los elementos vecinos. La presión de contacto estimada es de 12.9 Ton/m<sup>2</sup>.

## 2.12. COMBINACIONES DE CARGA:

Se evaluó la actual estructura para las condiciones de un sismo de diseño según lo establecido en el título A de la NSR-10.

Las revisiones de las derivas máximas de la edificación se efectuaron de acuerdo con el capítulo A.6 de la NSR-10, los cuales exigen que las derivas se verifiquen para las fuerzas sísmicas  $F_s$ , sin haber sido divididas por  $R$ , se tuvieron en cuenta las siguientes combinaciones de carga básicas:

- 1)  $DL \pm 1.0 EQX$
- 2)  $DL \pm 1.0EQY$
- 3)  $0.6DL \pm 1.0EQX$
- 4)  $0.6DL \pm 1.0EQY$

Nota: teniendo en cuenta lo establecido en A.6.2.1.2 de la NSR-10 para edificaciones pertenecientes al grupo de uso III, se tiene que el coeficiente de importancia  $I$  es igual a 1.25, por lo tanto, para determinar la fuerza horizontal empleada para calcular los desplazamientos, se permite que el coeficiente de importancia  $I$ , tenga un valor igual a la unidad ( $I=1.0$ ), para ello en el modelo de análisis la fuerza sísmica obtenida del espectro de diseño, es multiplicada por 0.80.

Para efectos de la revisión del diseño de cada uno de los elementos estructurales, se utilizaron las siguientes combinaciones de carga básicas:

- 1)  $1.4DL$
- 2)  $1.2DL + 1.6LL$
- 3)  $1.2DL + 1.0LL \pm EQX \pm 0.3EQY$
- 4)  $1.2DL + 1.0LL \pm 0.3EQX \pm EQY$
- 5)  $0.9DL \pm EQX \pm 0.3EQY$
- 6)  $0.9DL \pm EQY \pm 0.3EQY$

El chequeo de la resistencia a cortante para las vigas de acuerdo con C.21.3.3.1 se calculó como el cortante plástico asociado a los momentos nominales de cada elemento.



Y para el análisis de las columnas de acuerdo con el C.21.3.3.2 se plantearon las combinaciones de carga para el  $\Omega_o$  E. en este caso  $\Omega_o=3.0$ :

- 1)  $1.2DL + 1.0LL \pm \Omega_o EQX \pm 0.3 \Omega_o EQY$
- 2)  $1.2DL + 1.0LL \pm 0.3 \Omega_o EQX \pm \Omega_o EQY$
- 3)  $0.9DL \pm \Omega_o EQX \pm 0.3 \Omega_o EQY$
- 4)  $0.9DL \pm \Omega_o EQY \pm 0.3 \Omega_o EQX$

### 3. MATERIALES DE CONSTRUCCIÓN

Las especificaciones de los materiales de construcción para el proyecto son:

#### 1. Concretos:

- ✓ De limpieza:  $f'_c = 140 \text{ kg/cm}^2$  (14 MPa)
- ✓ Vigas, viguetas y placas  $f'_c = 280 \text{ kg/cm}^2$  (28 MPa)
- ✓ Columnas  $f'_c = 280 \text{ kg/cm}^2$  (28 MPa)

#### 2. Refuerzo:

- ✓ 1/4" y mayores  $f_y = 4200 \text{ kg/cm}^2$  (420 MPa)

#### 3. Perfiles metálicos:

- ✓ Perfiles Laminados ASTM A992 Gr. 50,  $f_y = 350 \text{ MPa}$
- ✓ Platinas y Láminas ASTM A572  $f_y = 3510 \text{ kg/cm}^2$  (350 MPa)
- ✓ Pernos de anclaje: ASTM F1554
- ✓ Pernos para conexiones: ASTM A325
- ✓ Soldadura E70XX

Cualquier modificación en las dimensiones y/o especificaciones de los elementos deberá consultarse para estudiar su incidencia en el diseño.



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**MAT. 68202-180753 STD**

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## **ANEXOS**

**MEMORIAS DE DISEÑO Y CÁLCULO ESTRUCTURAL  
JARDÍN INFANTIL SANTA TERESITA  
LISTA DE ANEXOS**

1. Espectro de diseño
2. Análisis de carga
3. Módulo 1.
  - 3.1. Parámetros sísmicos
  - 3.2. Datos de entrada al modelo de análisis: Geometría y Propiedades
  - 3.3. Chequeo de derivas y análisis de irregularidades
  - 3.4. Fuerzas internas en los elementos
  - 3.5. Umbral de Daño
  - 3.6. Chequeo derivas Umbral de daño.
4. Módulo 2.
  - 4.1. Parámetros sísmicos
  - 4.2. Datos de entrada al modelo de análisis: Geometría y Propiedades
  - 4.3. Chequeo de derivas y análisis de irregularidades
  - 4.4. Fuerzas internas en los elementos
  - 4.5. Umbral de Daño
  - 4.6. Chequeo derivas Umbral de daño.
5. Diseño de elementos: Columnas muros y vigas
6. Reacciones
7. Diseño zapatas y vigas de amarre
8. Diseño de muro de contención
9. Diseño elementos no estructurales

ZONA DE RESPUESTA SÍSMICA = **PIEDEMONTA B**  
GRUPO DE USO= III I= 1.25

☐ COEFICIENTES Y CURVA DE SEGURIDAD LIMITADA

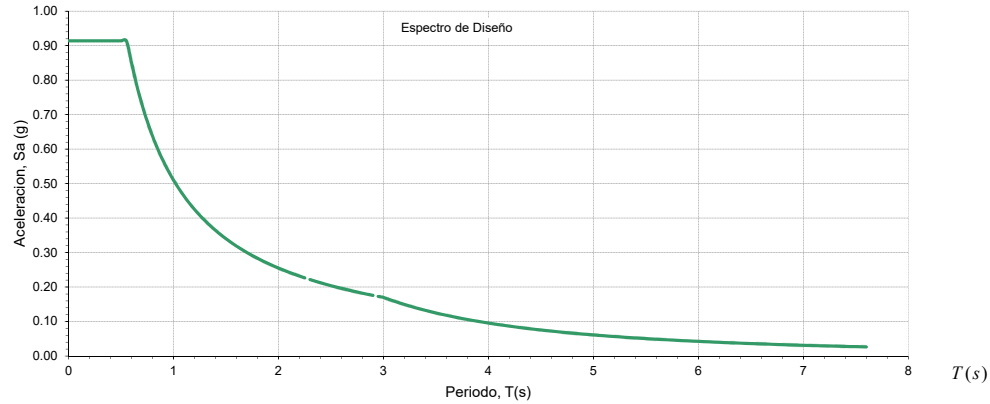
☐ COEFICIENTES Y CURVA UMBRA DE DAÑO

Aa= 0.15  
Fa= 1.95

Av= 0.20  
Fv= 1.70 To = 0.116 s

Tc= 0.56 seg  
TL= 3.00 seg

Sa ( g )



#### Parametros de la Estructura

Sistema estructural	Porticos de concreto
---------------------	----------------------

h (m) = 12.5  
Ct = 0.047  
a = 0.9  
Ta (s) = 0.456  
Cu = 1.342 Cu\*Ta = 0.612 s Según A.4.2-2, NSR-10  
R<sub>0</sub> = 5.0

Periodo Modelo Estructural, T= 0.369 seg  
Chequeo A.5.4.5, T < Cu\*Ta : OK  
T (s)= 0.369  
Sa = 0.914

#### Calculo Masa Estructural

Nivel	Altura Piso (m)	Area (m <sup>2</sup> )	CM (kN/m <sup>2</sup> )	Ppropio (kN/m <sup>2</sup> )	Peso (tonf)
N+9.75	1.55	357.6	3.700	6.365	366.887
N+8.20	1.7	148.02	1.750	6.549	125.216
N+9.50	3.25	317.2	1.750	7.312	293.002
N+3.25	3.25	248.7	1.750	8.999	272.494
N+0.00	2.75	194.1	1.750	7.417	181.376
Peso Total =					1238.975

$$V_s = S_a * g * M$$

$$V_s = 11109.070 \text{ kN} \quad F_x = C_{vx} * V_s$$

$$\text{donde } C_{vx} = \frac{M_x * h_x^k}{\sum m_i * h_i^k} \quad \text{donde } k = 1.00$$

Estructura Regular=	NO
Vdiseño=	0.9x 11109.070 =999.8 ton

#### Distribucion de Fuerzas Horizontales

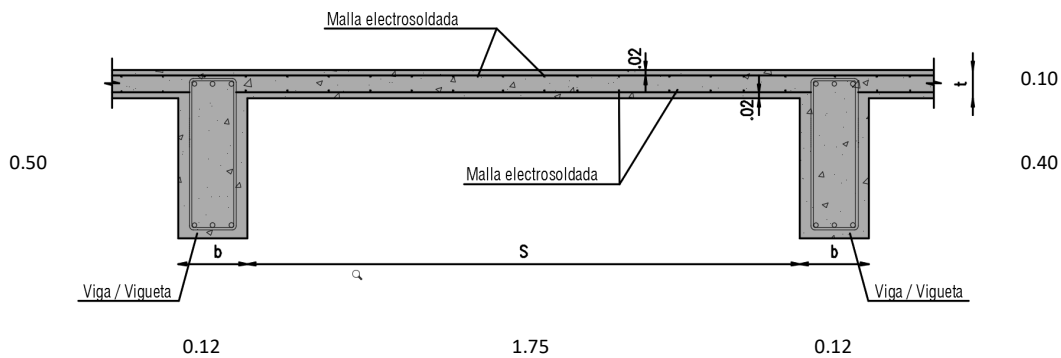
Nivel	hi (m)	wi (kN)	wi hi <sup>k</sup>	Cvx	Fx (kN)	Fx (Ton)	Ajuste Rsultados	
N+9.75	12.5	366.887	12.50	0.30	3350.14	335.01	Vsx	793.9
N+8.20	10.95	125.216	10.95	0.26	2934.72	293.47	F.A.x	1.26
N+9.50	9.25	293.002	9.25	0.22	2479.10	247.91	Vsy	680.15
N+3.25	6	272.494	6.00	0.14	1608.07	160.81	F.A.y	1.47
N+0.00	2.75	181.376	2.75	0.07	737.03	73.70		
Totales		1238.975	41.45	1.00	11109.07	1110.91		

# ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN SIN TORTA INFERIOR

PROYECTO: JARDIN INFANTIL SANTA TERESITA

CALCULO: METRIC IOC

PISO: PISO 1 NE+6.00m



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	240	
* VIGUETAS	62	
* CIELO RASO		25
* ACABADOS		150
* MUROS DIVISORIOS		100
<b>C. MUERTA</b>	<b>302</b>	<b>Kg/m<sup>2</sup></b>
<b>C. VIVA</b>	<b>500</b>	<b>Kg/m<sup>2</sup></b>
<b>C. TOTAL =</b>		<b>1077 Kg/m<sup>2</sup></b>
<b>C. ULTIMA = 1.2 CM + 1.6 CV =</b>		<b>1492 Kg/m<sup>2</sup></b>
<b>Factor de Carga, F.C.=</b>		<b>1.39</b>

**Nota:** El peso propio de vigas lo calcula automaticamente el programa

## CARGA A VIGUETAS:

$$q_u / \text{Vigueta} = 1492 \times 1.87 = 2790.8 \text{ Kg/m}$$

## DISEÑO DE LA LOSA

<b>C. MUERTA =</b>	490.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. VIVA =</b>	500.0	Kg/m <sup>2</sup>	f'c =	120
<b>C. ULTIMA =</b>	1388.0	Kg/m <sup>2</sup>	f <sub>y</sub> =	4200
			b (cm) =	100
			d (cm) =	7

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	425.08	0.096	0.03	0.0027	1.89
M+	303.63	0.069	0.03	0.0019	1.33

## Chequeo Cortante

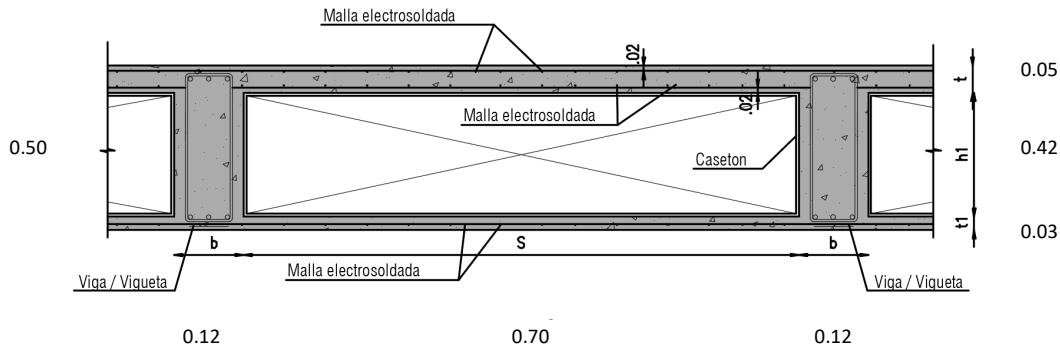
v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
1214.50	3048.08	Ok

# ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN CON TORTA INFERIOR

PROYECTO: Jardín Santa Teresita

CALCULO: METRIC IOC

PISO: PISO 2 NE+9.25m



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	192	
* VIGUETAS	148	
* CASETON		25
* ACABADOS		150
* MUROS DIVISORIOS		120
<b>C. MUERTA</b>	<b>340</b>	<b>Kg/m<sup>2</sup></b>
<b>C. VIVA</b>	<b>200</b>	<b>Kg/m<sup>2</sup></b>
<b>C. TOTAL =</b>		<b>835 Kg/m<sup>2</sup></b>
<b>C. ULTIMA = 1.2 CM + 1.6 CV =</b>		<b>1082 Kg/m<sup>2</sup></b>
<b>Factor de Carga, F.C.=</b>		<b>1.30</b>

**Nota:** El peso propio de vigas lo calcula automaticamente el programa

## CARGA A VIGUETAS:

$$q_u / \text{Vigueta} = 1082 \times 0.82 = 887.2 \text{ Kg/m}$$

## DISEÑO DE LA LOSA SUPERIOR

<b>C. MUERTA =</b>	390.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. VIVA =</b>	200.0	Kg/m <sup>2</sup>	f'c =	280
<b>C. ULTIMA =</b>	788.0	Kg/m <sup>2</sup>	fy =	4200
			b (cm) =	100
			d (cm) =	2.5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	38.61	0.069	0.07	0.0018	0.90
M+	27.58	0.049	0.07	0.0013	0.90

## Chequeo Cortante

v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
275.80	1662.86	Ok

## DISEÑO DE LA LOSA INFERIOR

<b>C. MUERTA =</b>	97.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. ULTIMA =</b>	116.4	Kg/m <sup>2</sup>	f'c =	280
			fy =	4200
			b (cm) =	100
			d (cm) =	1.5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	5.70	0.028	0.07	0.0008	0.54
M+	4.07	0.020	0.07	0.0005	0.54

## Chequeo Cortante

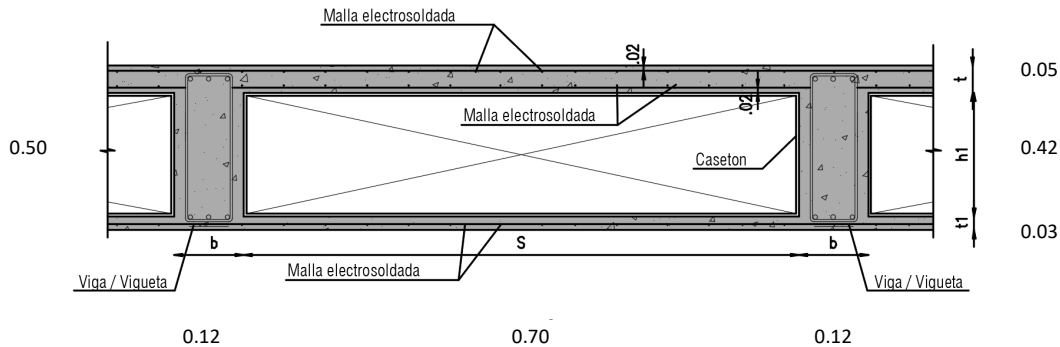
v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
40.74	997.72	Ok

# ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN CON TORTA INFERIOR

PROYECTO: Jardín Santa Teresita

CALCULO: METRIC IOC

PISO: PISO 3 MOD 1\_NE+12.50m



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	192	
* VIGUETAS	148	
* CASETON		25
* ACABADOS		150
* MUROS DIVISORIOS		200
<b>C. MUERTA</b>	<b>340</b>	<b>Kg/m<sup>2</sup></b>
<b>C. VIVA</b>	<b>200</b>	<b>Kg/m<sup>2</sup></b>
<b>C. TOTAL =</b>		<b>915 Kg/m<sup>2</sup></b>
<b>C. ULTIMA = 1.2 CM + 1.6 CV =</b>		<b>1178 Kg/m<sup>2</sup></b>
<b>Factor de Carga, F.C.=</b>		<b>1.29</b>

**Nota:** El peso propio de vigas lo calcula automaticamente el programa

## CARGA A VIGUETAS:

$$q_u / \text{Vigueta} = 1178 \times 0.82 = 966.0 \text{ Kg/m}$$

## DISEÑO DE LA LOSA SUPERIOR

<b>C. MUERTA =</b>	470.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. VIVA =</b>	200.0	Kg/m <sup>2</sup>	f'c =	280
<b>C. ULTIMA =</b>	884.0	Kg/m <sup>2</sup>	f <sub>y</sub> =	4200
			b (cm) =	100
			d (cm) =	2.5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	43.32	0.077	0.07	0.0021	0.90
M+	30.94	0.055	0.07	0.0015	0.90

## Chequeo Cortante

v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
309.40	1662.86	Ok

## DISEÑO DE LA LOSA INFERIOR

<b>C. MUERTA =</b>	97.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. ULTIMA =</b>	116.4	Kg/m <sup>2</sup>	f'c =	280
			f <sub>y</sub> =	4200
			b (cm) =	100
			d (cm) =	1.5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	5.70	0.028	0.07	0.0008	0.54
M+	4.07	0.020	0.07	0.0005	0.54

## Chequeo Cortante

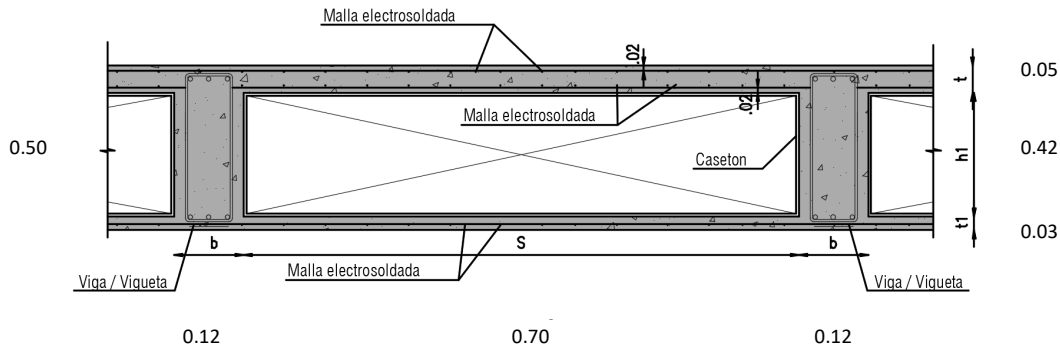
v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
40.74	997.72	Ok

# ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN CON TORTA INFERIOR

PROYECTO: **Jardin Santa Teresita**

CALCULO: **METRIC IOC**

PISO: **CUBIERTA MOD 2\_NE+12.50m**



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	192	
* VIGUETAS	148	
* CASETON		25
* ACABADOS		150
* MUROS DIVISORIOS		105
<b>C. MUERTA</b>	<b>340</b>	<b>Kg/m<sup>2</sup></b>
<b>C. VIVA</b>	<b>200</b>	<b>Kg/m<sup>2</sup></b>
<b>C. TOTAL =</b>		<b>820 Kg/m<sup>2</sup></b>
<b>C. ULTIMA = 1.2 CM + 1.6 CV =</b>		<b>1064 Kg/m<sup>2</sup></b>
<b>Factor de Carga, F.C.=</b>		<b>1.30</b>

**Nota:** El peso propio de vigas lo calcula automaticamente el programa

## CARGA A VIGUETAS:

$$q_u / \text{Vigueta} = 1064 \times 0.82 = 872.5 \text{ Kg/m}$$

## DISEÑO DE LA LOSA SUPERIOR

<b>C. MUERTA =</b>	375.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. VIVA =</b>	200.0	Kg/m <sup>2</sup>	f'c =	280
<b>C. ULTIMA =</b>	770.0	Kg/m <sup>2</sup>	fy =	4200
			b (cm) =	100
			d (cm) =	2.5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	37.73	0.067	0.07	0.0018	0.90
M+	26.95	0.048	0.07	0.0013	0.90

## Chequeo Cortante

v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
269.50	1662.86	Ok

## DISEÑO DE LA LOSA INFERIOR

<b>C. MUERTA =</b>	97.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. ULTIMA =</b>	116.4	Kg/m <sup>2</sup>	f'c =	280
			fy =	4200
			b (cm) =	100
			d (cm) =	1.5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	5.70	0.028	0.07	0.0008	0.54
M+	4.07	0.020	0.07	0.0005	0.54

## Chequeo Cortante

v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
40.74	997.72	Ok

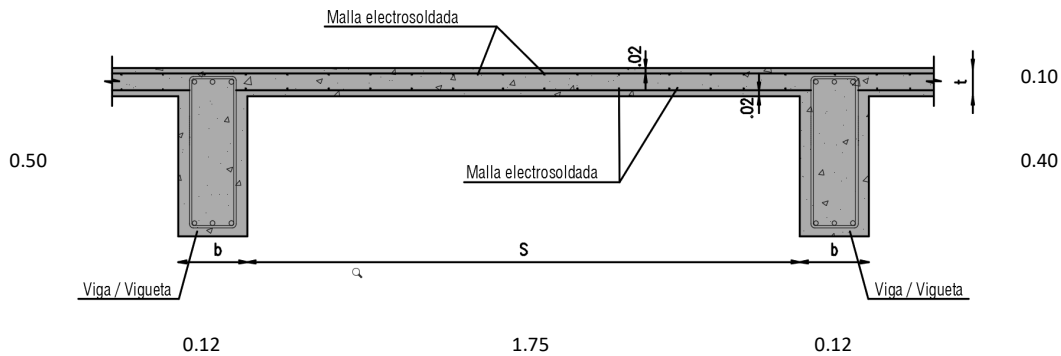


# ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN SIN TORTA INFERIOR

PROYECTO: JARDIN INFANTIL SANTA TERESITA

CALCULO: METRIC IOC

PISO: PISO 3A NE+14.20m



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	240	
* VIGUETAS	62	
* CIELO RASO		25
* ACABADOS		150
* MUROS DIVISORIOS		105
<b>C. MUERTA</b>	<b>302</b>	<b>Kg/m<sup>2</sup></b>
<b>C. VIVA</b>	<b>500</b>	<b>Kg/m<sup>2</sup></b>
<b>C. TOTAL =</b>		<b>1082 Kg/m<sup>2</sup></b>
<b>C. ULTIMA = 1.2 CM + 1.6 CV =</b>		<b>1498 Kg/m<sup>2</sup></b>
<b>Factor de Carga, F.C.=</b>		<b>1.38</b>

**Nota:** El peso propio de vigas lo calcula automaticamente el programa

## CARGA A VIGUETAS:

$$q_u / \text{Vigueta} = 1498 \times 1.87 = 2802.0 \text{ Kg/m}$$

## DISEÑO DE LA LOSA

<b>C. MUERTA =</b>	495.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. VIVA =</b>	500.0	Kg/m <sup>2</sup>	f'c =	120
<b>C. ULTIMA =</b>	1394.0	Kg/m <sup>2</sup>	f <sub>y</sub> =	4200
			b (cm) =	100
			d (cm) =	7

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	426.91	0.097	0.03	0.0027	1.90
M+	304.94	0.069	0.03	0.0019	1.33

## Chequeo Cortante

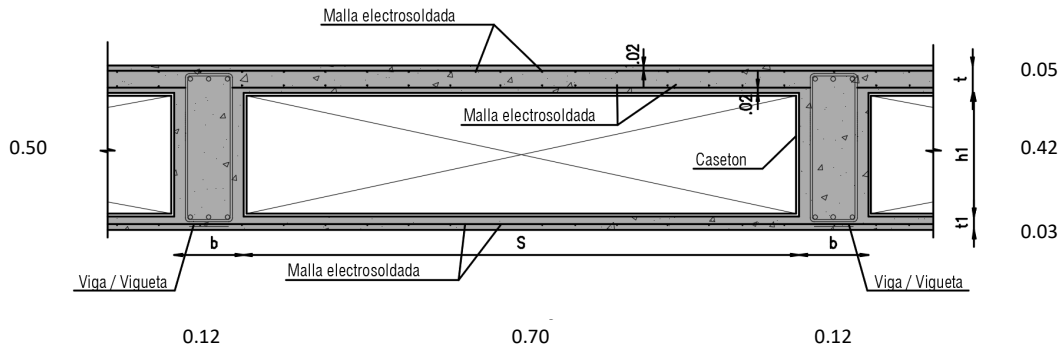
v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
1219.75	3048.08	Ok

# ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN CON TORTA INFERIOR

PROYECTO: Jardín Santa Teresita

CALCULO: METRIC IOC

PISO: CUBIERTA MOD 1\_NE+15.75m



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	192	
* VIGUETAS	148	
* CASETON		25
* ACABADOS		225
* CUBIERTA VERDE		120
<b>C. MUERTA</b>	<b>340</b>	<b>Kg/m<sup>2</sup></b>
<b>C. VIVA</b>	<b>500</b>	<b>Kg/m<sup>2</sup></b>
<b>C. TOTAL =</b>		<b>1210 Kg/m<sup>2</sup></b>
<b>C. ULTIMA = 1.2 CM + 1.6 CV =</b>		<b>1652 Kg/m<sup>2</sup></b>
<b>Factor de Carga, F.C.=</b>		<b>1.37</b>

**Nota:** El peso propio de vigas lo calcula automaticamente el programa

## CARGA A VIGUETAS:

$$q_u / \text{Vigueta} = 1652 \times 0.82 = 1354.6 \text{ Kg/m}$$

## DISEÑO DE LA LOSA SUPERIOR

<b>C. MUERTA =</b>	465.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. VIVA =</b>	500.0	Kg/m <sup>2</sup>	f'c =	280
<b>C. ULTIMA =</b>	1358.0	Kg/m <sup>2</sup>	f <sub>y</sub> =	4200
			b (cm) =	100
			d (cm) =	2.5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	66.54	0.118	0.07	0.0032	0.90
M+	47.53	0.084	0.07	0.0023	0.90

## Chequeo Cortante

v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
475.30	1662.86	Ok

## DISEÑO DE LA LOSA INFERIOR

<b>C. MUERTA =</b>	97.0	Kg/m <sup>2</sup>	<b>Materiales (kg/cm<sup>2</sup>)</b>	
<b>C. ULTIMA =</b>	116.4	Kg/m <sup>2</sup>	f'c =	280
			f <sub>y</sub> =	4200
			b (cm) =	100
			d (cm) =	1.5

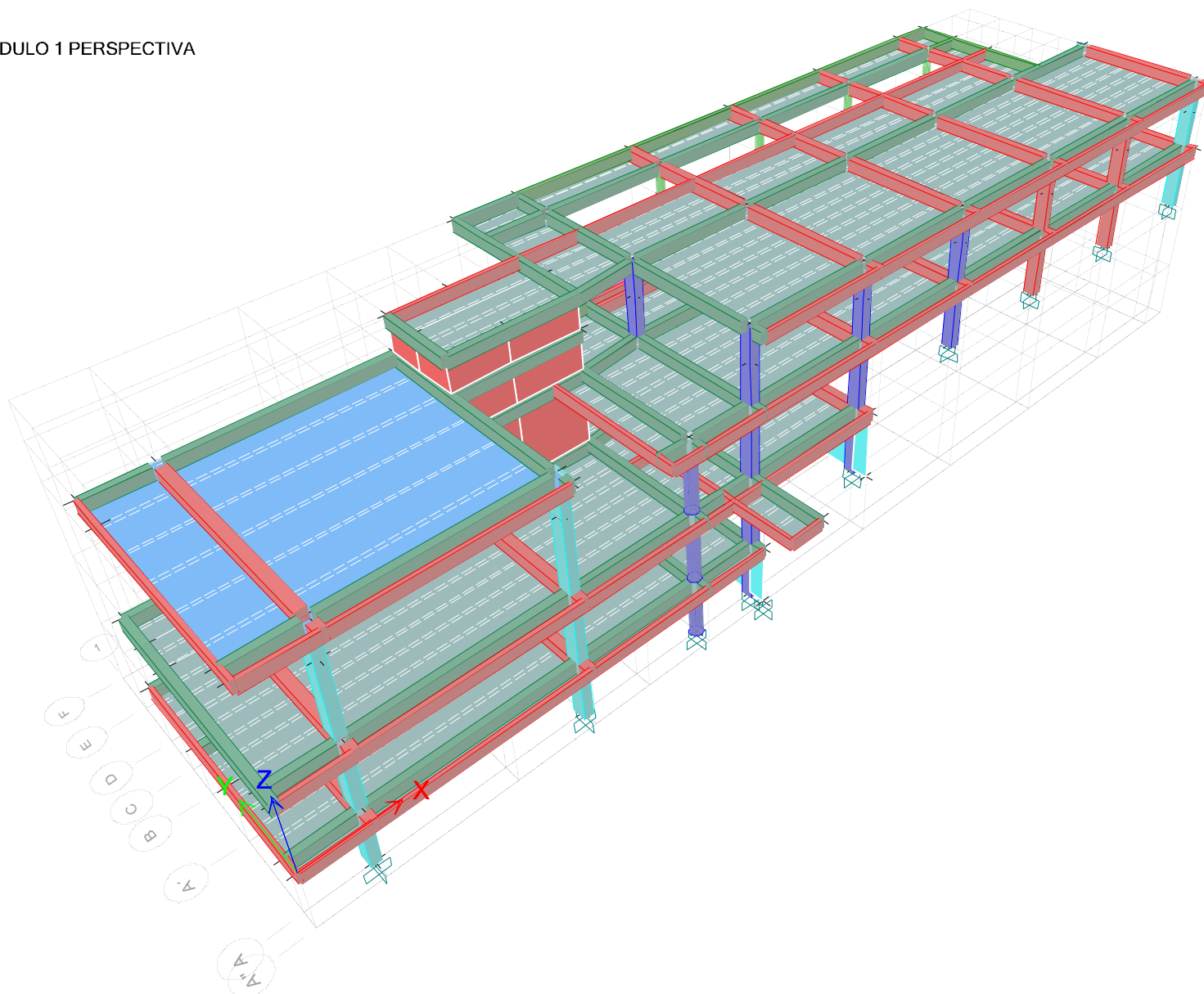
## Diseño a Flexión

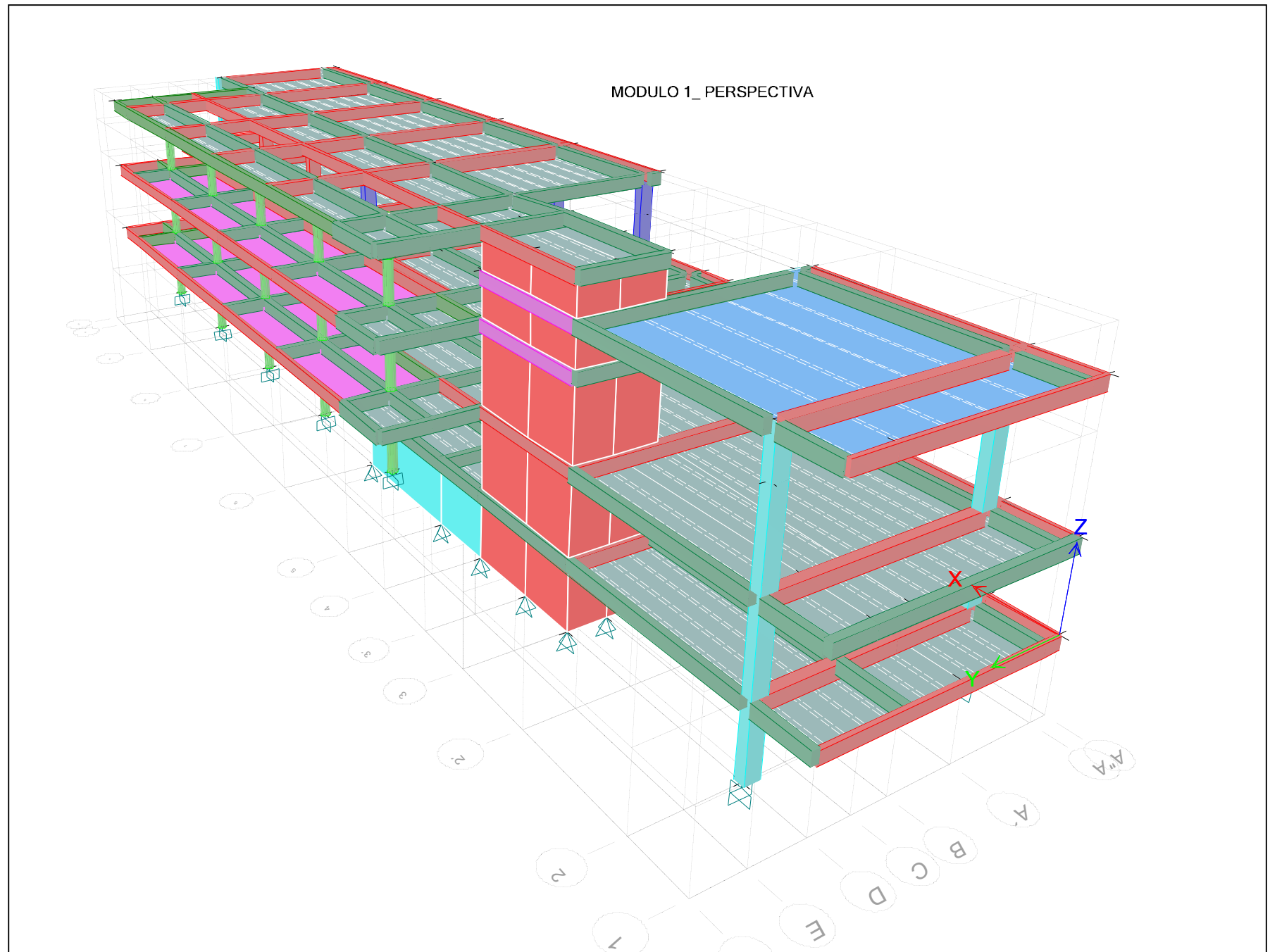
	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	5.70	0.028	0.07	0.0008	0.54
M+	4.07	0.020	0.07	0.0005	0.54

## Chequeo Cortante

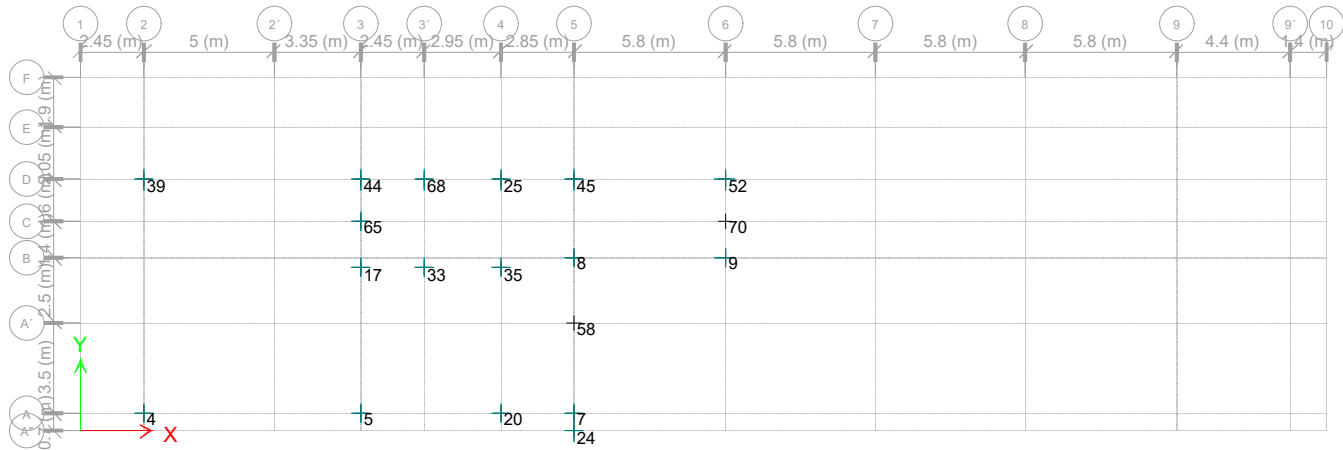
v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
40.74	997.72	Ok

MODULO 1 PERSPECTIVA

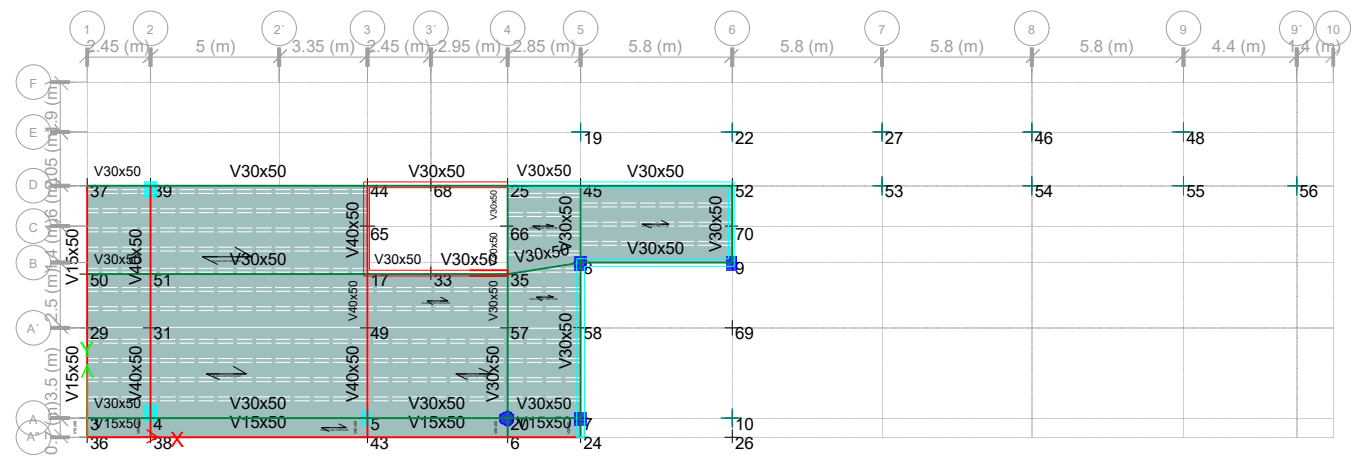




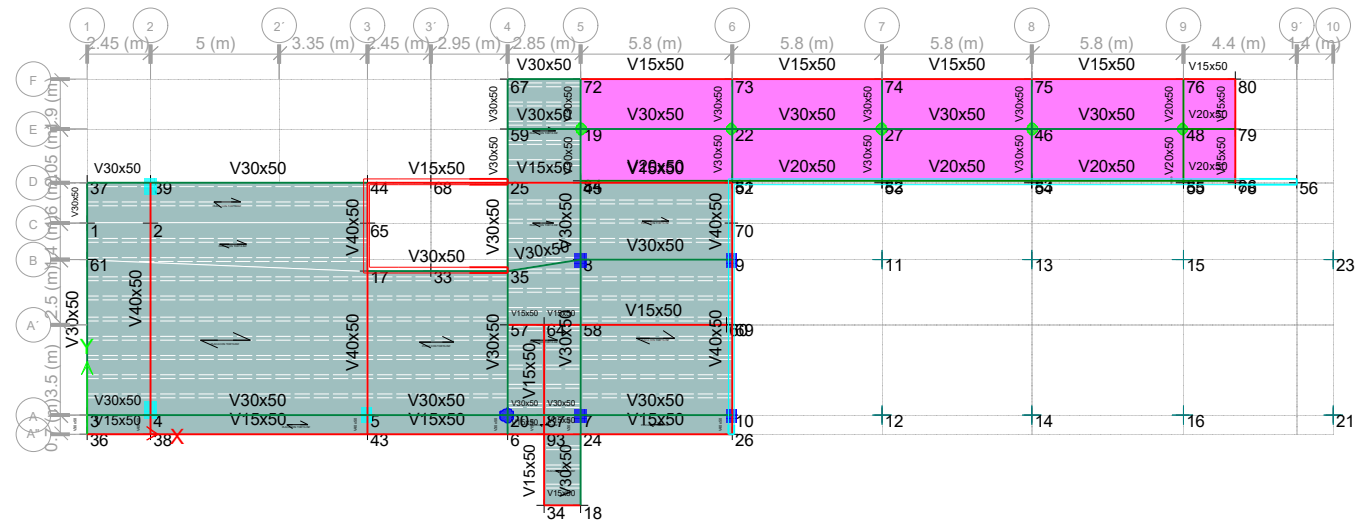
NODOS NIVEL N-2.8



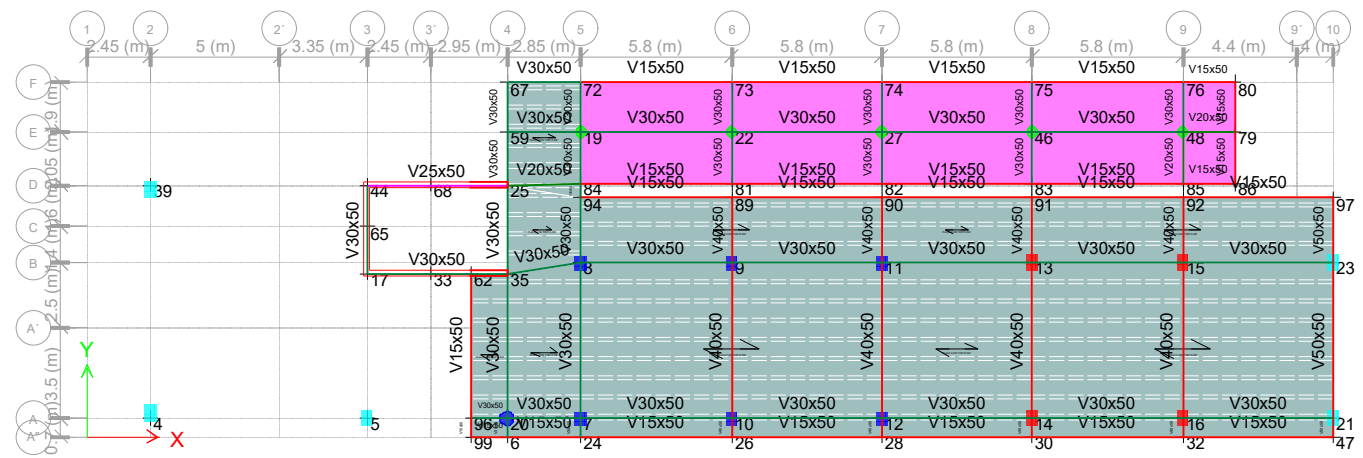
NODOS Y SECCIONES N+0.00



NODOS Y SECCIONES N+3.24

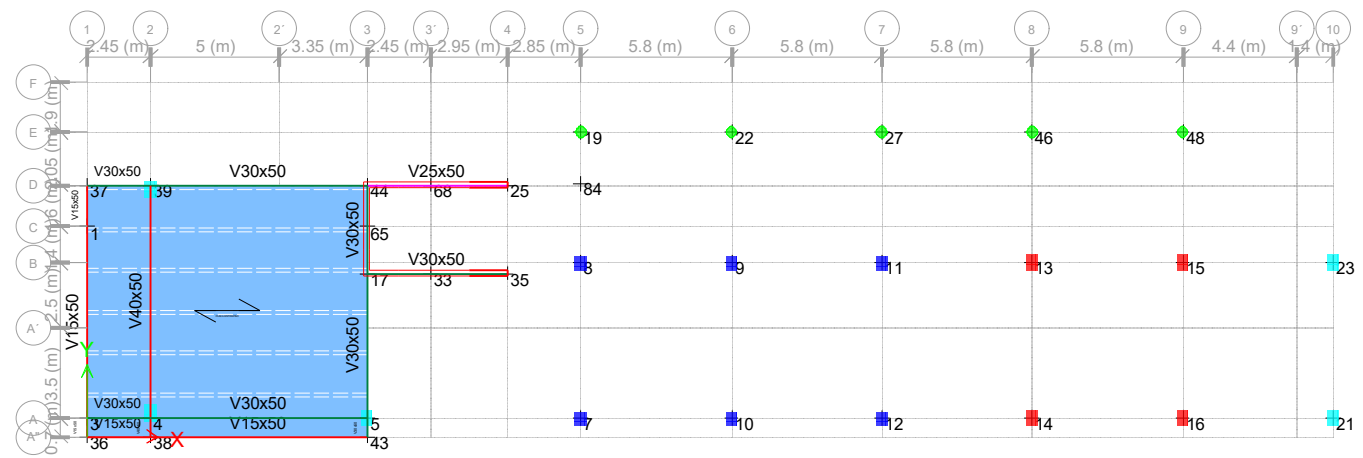


NODOS Y SECCIONES N+6.48

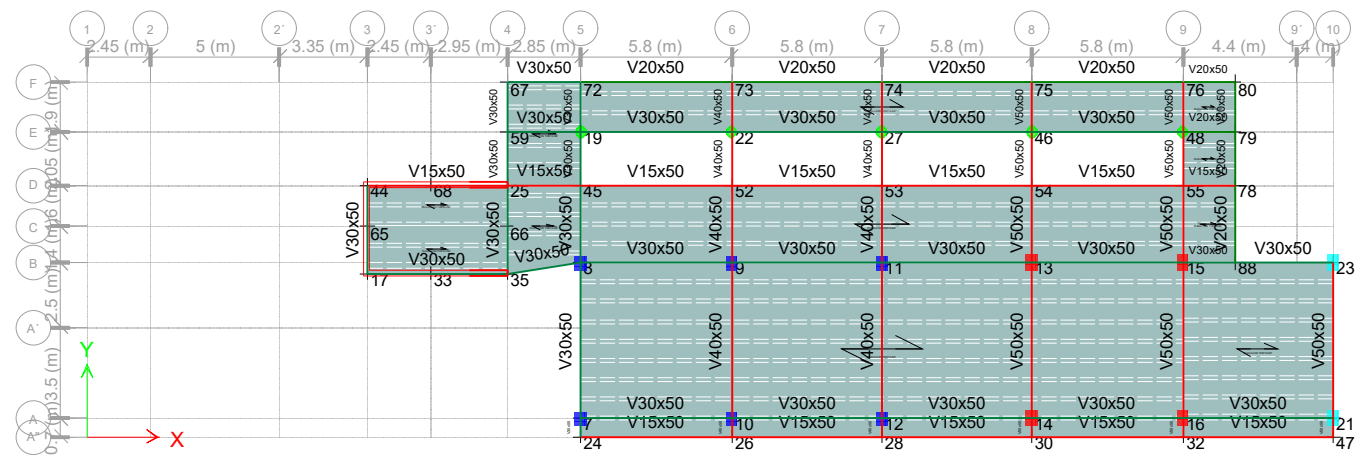




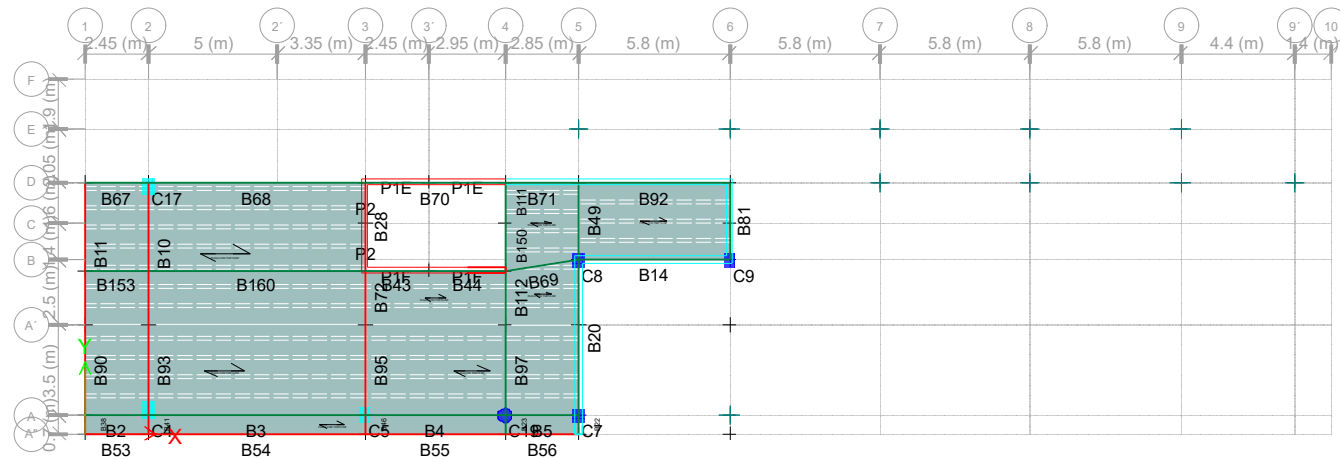
NODOS Y SECCIONES N+8.18



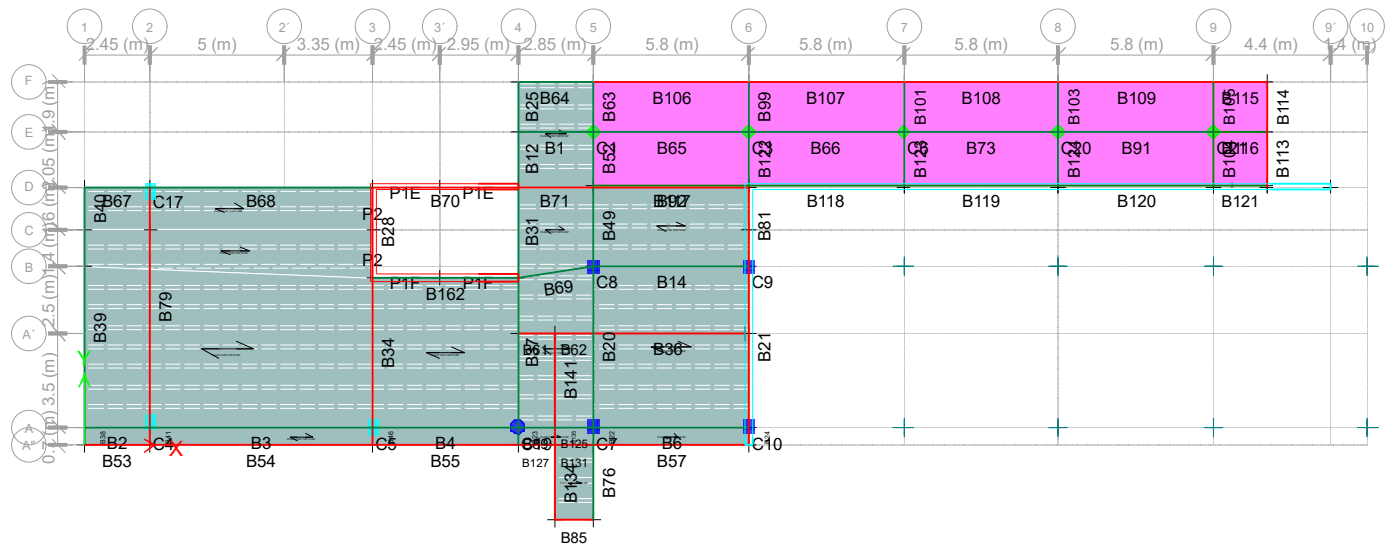
NODOS Y SECCIONES N+9.72



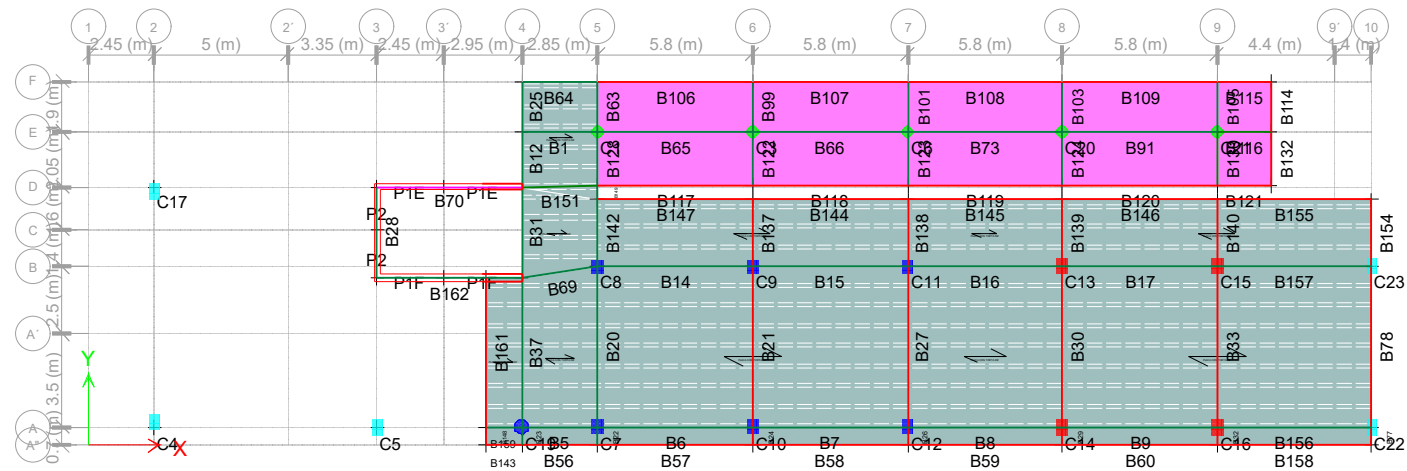
## NOMENCLATURA VIGAS, COLUMNAS Y PANTALLAS N+0.00



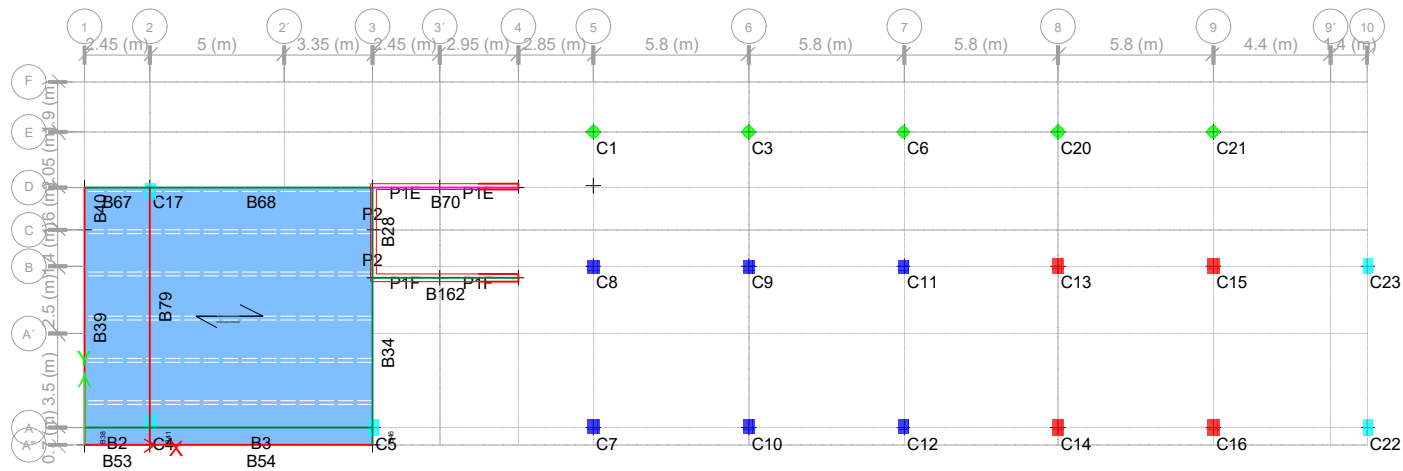
NOMENCLATURA VIGAS, COLUMNAS Y PANTALLAS N+3.24



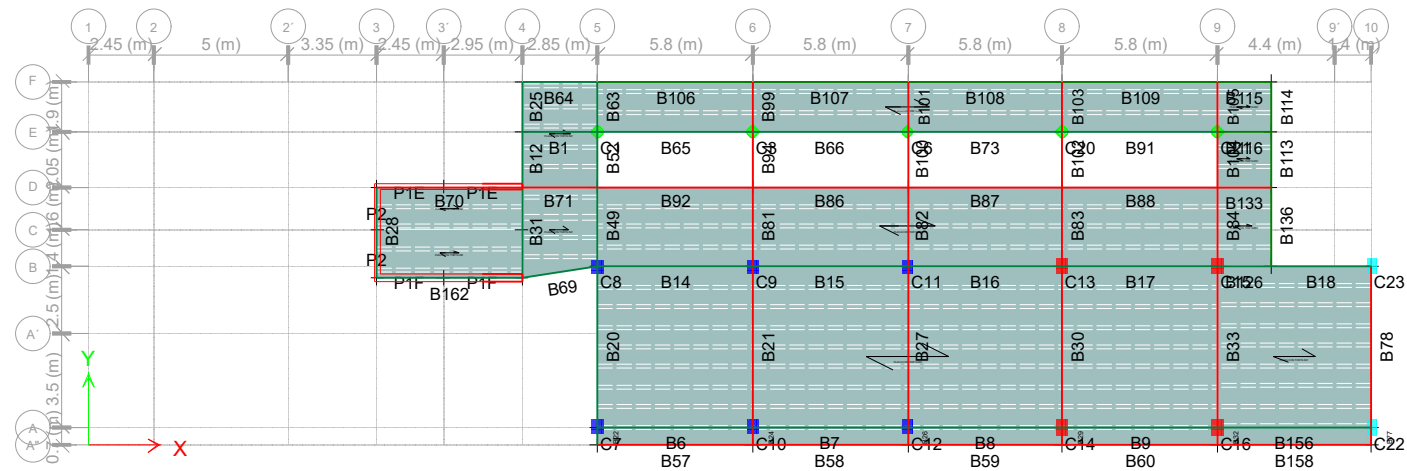
NOMENCLATURA VIGAS, COLUMNAS Y PANTALLAS N+6.48



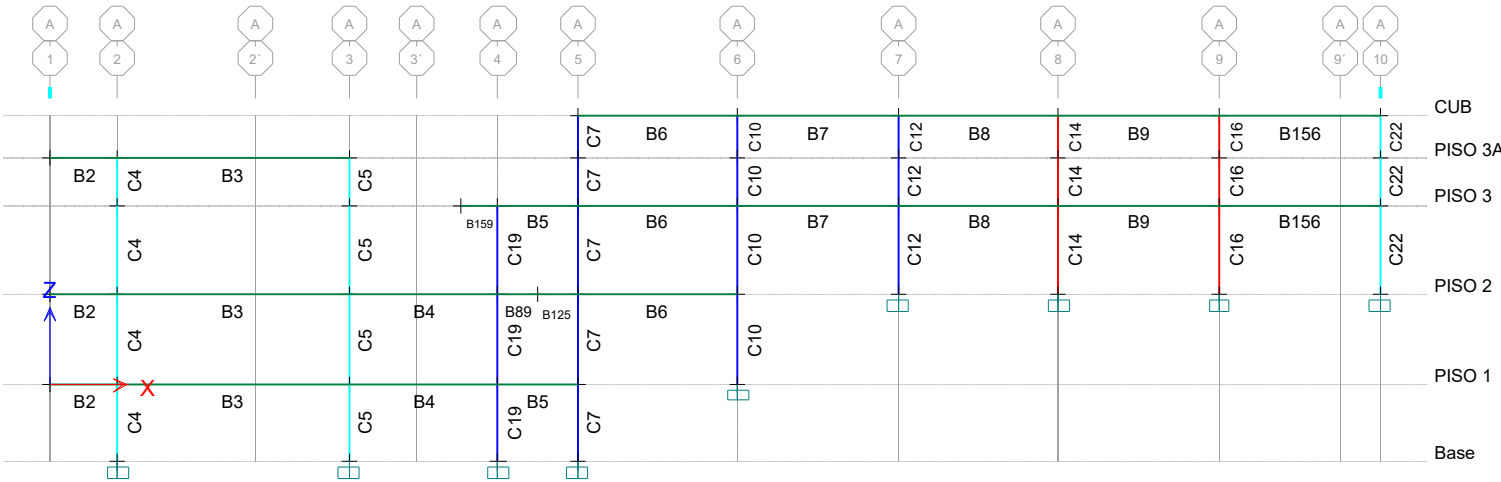
NOMENCLATURA VIGAS, COLUMNAS Y PANTALLAS N+8.18



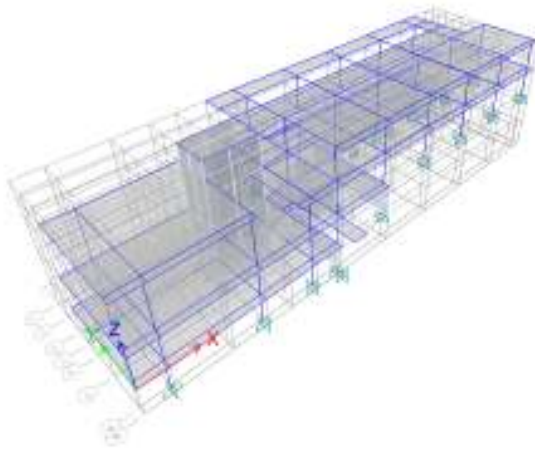
NOMENCLATURA VIGAS, COLUMNAS Y PANTALLAS N+9.72



NOMENCLATURA VIGAS, COLUMNAS Y PANTALLAS ALZADO EJE A







## DATOS DE ENTRADA\_MODULO 1

Model File: JARDIN INFANTIL SANTA TERESITA, Revision 1  
9/09/2018

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## 1 Structure Data

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

### 1.1 Story Data

Table 1.1 - Story Data

Name	Height m	Elevation m	Master Story	Similar To	Splice Story
CUB	1.54	9.72	No	None	No
PISO 3A	1.7	8.18	No	None	No
PISO 3	3.24	6.48	No	None	No
PISO 2	3.24	3.24	No	None	No
PISO 1	2.8	0	No	None	No
Base	0	-2.8	No	None	No

### 1.2 Grid Data

Table 1.2 - Grid Systems

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

Table 1.3 - Grid Lines

Grid System	Grid Direction	Grid ID	Visible	Bubble Location	Ordinate m
G1	X	1	Yes	End	0
G1	X	2	Yes	End	2.45
G1	X	2'	Yes	End	7.45
G1	X	3	Yes	End	10.8
G1	X	3'	Yes	End	13.25
G1	X	4	Yes	End	16.2
G1	X	5	Yes	End	19.05
G1	X	6	Yes	End	24.85
G1	X	7	Yes	End	30.65
G1	X	8	Yes	End	36.45
G1	X	9	Yes	End	42.25
G1	X	9'	Yes	End	46.65
G1	X	10	Yes	End	48.05
G1	Y	A"	Yes	Start	0
G1	Y	A	Yes	Start	0.7
G1	Y	A'	Yes	Start	4.2
G1	Y	B	Yes	Start	6.7
G1	Y	C	Yes	Start	8.1
G1	Y	D	Yes	Start	9.7
G1	Y	E	Yes	Start	11.75
G1	Y	F	Yes	Start	13.65

## 1.3 Point Coordinates

Table 1.4 - Joint Coordinates Data

Label	X m	Y m	$\Delta Z$ Below m
1	0	8.1	0
2	2.45	8.1	0
3	0	0.7	0
4	2.45	0.7	0
5	10.8	0.7	0
7	19.05	0.7	0
8	19.05	6.7	0
9	24.85	6.7	0
10	24.85	0.7	0
11	30.65	6.7	0
12	30.65	0.7	0
13	36.45	6.7	0
14	36.45	0.7	0
15	42.25	6.7	0
16	42.25	0.7	0
20	16.2	0.7	0
21	48.05	0.7	0
23	48.05	6.7	0
24	19.05	0	0
26	24.85	0	0
28	30.65	0	0
30	36.45	0	0
32	42.25	0	0
36	0	0	0
37	0	9.7	0
38	2.45	0	0
39	2.45	9.7	0
43	10.8	0	0
44	10.8	9.7	0
45	19.05	9.7	0
6	16.2	0	0
25	16.2	9.7	0
47	48.05	0	0
52	24.85	9.7	0
53	30.65	9.7	0
54	36.45	9.7	0
55	42.25	9.7	0
56	46.65	9.7	0
29	0	4.2	0
31	2.45	4.2	0
49	10.8	4.2	0
57	16.2	4.2	0
58	19.05	4.2	0

Table 1.4 - Joint Coordinates Data (continued)

Label	X m	Y m	$\Delta Z$ Below m
61	0	6.7	0
65	10.8	8.1	0
66	16.2	8.1	0
68	13.25	9.7	0
69	24.85	4.2	0
70	24.85	8.1	0
19	19.05	11.75	0
22	24.85	11.75	0
27	30.65	11.75	0
46	36.45	11.75	0
48	42.25	11.75	0
59	16.2	11.75	0
67	16.2	13.65	0
72	19.05	13.65	0
73	24.85	13.65	0
74	30.65	13.65	0
75	36.45	13.65	0
76	42.25	13.65	0
78	44.25	9.7	0
79	44.25	11.75	0
80	44.25	13.65	0
81	24.85	9.75	0
82	30.65	9.75	0
83	36.45	9.75	0
84	19.05	9.75	0
85	42.25	9.75	0
86	44.25	9.75	0
88	44.25	6.7	0
89	24.85	9.2	0
90	30.65	9.2	0
91	36.45	9.2	0
92	42.25	9.2	0
94	19.05	9.2	0
97	48.05	9.2	0
18	19.05	-2.8	0
34	17.6	-2.8	0
60	24.7	4.2	0
64	17.6	4.2	0
87	17.6	0.7	0
93	17.6	0	0
96	14.85	0.7	0
99	14.85	0	0
17	10.8	6.3	0
33	13.25	6.3	0

Table 1.4 - Joint Coordinates Data (continued)

Label	X m	Y m	ΔZ Below m
35	16.2	6.3	0
50	0	6.3	0
51	2.45	6.3	0
62	14.85	6.3	0

## 1.4 Line Connectivity

Table 1.5 - Column Connectivity Data

Column	I-End Point	J-End Point	I-End Story
C4	4	4	Below
C5	5	5	Below
C7	7	7	Below
C8	8	8	Below
C9	9	9	Below
C10	10	10	Below
C11	11	11	Below
C12	12	12	Below
C13	13	13	Below
C14	14	14	Below
C15	15	15	Below
C16	16	16	Below
C19	20	20	Below
C1	19	19	Below
C3	22	22	Below
C6	27	27	Below
C20	46	46	Below
C21	48	48	Below
C22	21	21	Below
C23	23	23	Below
C17	39	39	Below

Table 1.6 - Beam Connectivity Data

Beam	I-End Point	J-End Point	Curve Type
B2	3	4	None
B3	4	5	None
B4	5	20	None
B5	20	7	None
B6	7	10	None
B7	10	12	None
B8	12	14	None
B9	14	16	None
B14	8	9	None
B15	9	11	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B16	11	13	None
B17	13	15	None
B20	7	8	None
B21	10	9	None
B22	24	7	None
B24	26	10	None
B26	28	12	None
B27	12	11	None
B29	30	14	None
B30	14	13	None
B32	32	16	None
B33	16	15	None
B38	36	3	None
B39	3	1	None
B40	1	37	None
B41	38	4	None
B46	43	5	None
B49	8	45	None
B23	6	20	None
B53	36	38	None
B54	38	43	None
B55	43	6	None
B56	6	24	None
B57	24	26	None
B58	26	28	None
B59	28	30	None
B60	30	32	None
B67	37	39	None
B68	39	44	None
B70	44	25	None
B71	25	45	None
B77	47	21	None
B78	21	23	None
B81	9	52	None
B82	11	53	None
B83	13	54	None
B84	15	55	None
B86	52	53	None
B87	53	54	None
B88	54	55	None
B92	45	52	None
B90	3	29	None
B93	4	31	None
B95	5	49	None
B97	20	57	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B1	59	19	None
B12	25	59	None
B25	59	67	None
B52	45	19	None
B63	19	72	None
B64	67	72	None
B65	19	22	None
B66	22	27	None
B73	27	46	None
B91	46	48	None
B94	52	22	None
B99	22	73	None
B100	53	27	None
B101	27	74	None
B102	54	46	None
B103	46	75	None
B104	55	48	None
B105	48	76	None
B106	72	73	None
B107	73	74	None
B108	74	75	None
B109	75	76	None
B111	66	25	None
B113	78	79	None
B114	79	80	None
B115	76	80	None
B116	48	79	None
B117	84	81	None
B118	81	82	None
B119	82	83	None
B120	83	85	None
B121	85	86	None
B122	81	22	None
B123	82	27	None
B124	83	46	None
B128	84	19	None
B129	55	85	None
B130	85	48	None
B132	86	79	None
B126	15	88	None
B133	55	78	None
B136	88	78	None
B137	9	89	None
B138	11	90	None
B139	13	91	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B140	15	92	None
B142	8	94	None
B144	89	90	None
B145	90	91	None
B146	91	92	None
B147	94	89	None
B149	94	84	None
B151	25	84	None
B154	23	97	None
B155	92	97	None
B156	16	21	None
B157	15	23	None
B158	32	47	None
B18	88	23	None
B10	31	39	None
B11	29	37	None
B36	58	60	None
B61	57	64	None
B62	64	58	None
B76	18	24	None
B85	34	18	None
B89	20	87	None
B125	87	7	None
B127	6	93	None
B131	93	24	None
B134	34	93	None
B135	93	87	None
B141	87	64	None
B79	4	39	None
B143	99	6	None
B148	99	96	None
B159	96	20	None
B28	17	44	None
B31	35	25	None
B34	5	17	None
B37	20	35	None
B43	17	33	None
B44	33	35	None
B69	35	8	None
B72	49	17	None
B112	57	35	None
B150	35	66	None
B153	50	51	None
B160	51	17	None
B161	96	62	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B162	17	35	None

## 1.5 Area Connectivity

Table 1.7 - Floor Connectivity Data

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
F19	4	1	1	65	None
		2	65	44	None
		3	44	37	None
		4	37	1	None
F21	4	1	36	24	None
		2	24	7	None
		3	7	3	None
		4	3	36	None
F30	4	1	24	26	None
		2	26	10	None
		3	10	7	None
		4	7	24	None
F32	4	1	7	10	None
		2	10	9	None
		3	9	8	None
		4	8	7	None
F1	4	1	25	45	None
		2	45	72	None
		3	72	67	None
		4	67	25	None
F3	4	1	19	48	None
		2	48	76	None
		3	76	72	None
		4	72	19	None
F6	4	1	84	81	None
		2	81	22	None
		3	22	19	None
		4	19	84	None
F9	4	1	81	82	None
		2	82	27	None
		3	27	22	None
		4	22	81	None
F10	4	1	82	83	None
		2	83	46	None
		3	46	27	None
		4	27	82	None
F11	4	1	83	85	None
		2	85	48	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	48	46	None
		4	46	83	None
F15	4	1	85	86	None
		2	86	79	None
		3	79	48	None
		4	48	85	None
F17	4	1	46	48	None
		2	48	76	None
		3	76	75	None
		4	75	46	None
F20	4	1	27	46	None
		2	46	75	None
		3	75	74	None
		4	74	27	None
F26	4	1	22	27	None
		2	27	74	None
		3	74	73	None
		4	73	22	None
F29	4	1	19	22	None
		2	22	73	None
		3	73	72	None
		4	72	19	None
F31	4	1	48	79	None
		2	79	80	None
		3	80	76	None
		4	76	48	None
F37	4	1	15	88	None
		2	88	78	None
		3	78	55	None
		4	55	15	None
F40	4	1	55	78	None
		2	78	79	None
		3	79	48	None
		4	48	55	None
F42	4	1	25	94	None
		2	94	72	None
		3	72	67	None
		4	67	25	None
F5	4	1	32	47	None
		2	47	23	None
		3	23	15	None
		4	15	32	None
F16	4	1	8	15	None
		2	15	55	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	55	45	None
		4	45	8	None
F33	4	1	15	8	None
		2	8	24	None
		3	24	32	None
		4	32	15	None
F41	4	1	44	65	None
		2	65	66	None
		3	66	25	None
		4	25	44	None
F45	4	1	43	44	None
		2	44	37	None
		3	37	36	None
		4	36	43	None
F50	4	1	18	24	None
		2	24	93	None
		3	93	34	None
		4	34	18	None
F8	4	1	9	52	None
		2	52	45	None
		3	45	8	None
		4	8	9	None
F7	4	1	6	20	None
		2	20	3	None
		3	3	36	None
		4	36	6	None
F23	4	1	20	6	None
		2	6	24	None
		3	24	7	None
		4	7	20	None
F35	4	1	45	8	None
		2	8	9	None
		3	9	52	None
		4	52	45	None
F22	4	1	23	97	None
		2	97	91	None
		3	91	13	None
		4	13	23	None
F28	4	1	13	91	None
		2	91	90	None
		3	90	11	None
		4	11	13	None
F36	4	1	11	90	None
		2	90	94	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	94	8	None
		4	8	11	None
F39	4	1	24	28	None
		2	28	11	None
		3	11	8	None
		4	8	24	None
F43	4	1	28	30	None
		2	30	13	None
		3	13	11	None
		4	11	28	None
F46	4	1	30	47	None
		2	47	23	None
		3	23	13	None
		4	13	30	None
F12	4	1	3	5	None
		2	5	49	None
		3	49	29	None
		4	29	3	None
F48	4	1	5	7	None
		2	7	58	None
		3	58	49	None
		4	49	5	None
F27	4	1	29	49	None
		2	49	44	None
		3	44	37	None
		4	37	29	None
F53	4	1	57	58	None
		2	58	8	None
		3	8	35	None
		4	35	57	None
F54	4	1	61	17	None
		2	17	65	None
		3	65	1	None
		4	1	61	None
F55	4	1	35	8	None
		2	8	45	None
		3	45	25	None
		4	25	35	None
F56	4	1	35	8	None
		2	8	94	None
		3	94	25	None
		4	25	35	None
F57	4	1	65	17	None
		2	17	35	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	35	66	None
		4	66	65	None
F58	4	1	6	35	None
		2	35	62	None
		3	62	99	None
		4	99	6	None
F59	4	1	24	8	None
		2	8	35	None
		3	35	6	None
		4	6	24	None
F60	4	1	35	20	None
		2	20	7	None
		3	7	8	None
		4	8	35	None
F61	4	1	8	45	None
		2	45	25	None
		3	25	35	None
		4	35	8	None
F62	4	1	49	57	None
		2	57	35	None
		3	35	17	None
		4	17	49	None
F63	4	1	20	35	None
		2	35	17	None
		3	17	5	None
		4	5	20	None
F64	4	1	5	17	None
		2	17	61	None
		3	61	3	None
		4	3	5	None

Table 1.8 - Wall Connectivity Data

Label	Number of Edges	Edge Number	Point 1	Point 2	Curve Type	Point 1 Story	Point 2 Story
W9	4	1	24	7	None	Below	Below
		2	7	7	None	Below	Same
		3	7	24	None	Same	Same
		4	24	24	None	Same	Below
W10	4	1	7	58	None	Below	Below
		2	58	58	None	Below	Same
		3	58	7	None	Same	Same
		4	7	7	None	Same	Below
W11	4	1	58	8	None	Below	Below
		2	8	8	None	Below	Same

Table 1.8 - Wall Connectivity Data (continued)

Label	Number of Edges	Edge Number	Point 1	Point 2	Curve Type	Point 1 Story	Point 2 Story
		3	8	58	None	Same	Same
		4	58	58	None	Same	Below
W14	4	1	65	44	None	Below	Below
		2	44	44	None	Below	Same
		3	44	65	None	Same	Same
		4	65	65	None	Same	Below
W15	4	1	44	68	None	Below	Below
		2	68	68	None	Below	Same
		3	68	44	None	Same	Same
		4	44	44	None	Same	Below
W16	4	1	68	25	None	Below	Below
		2	25	25	None	Below	Same
		3	25	68	None	Same	Same
		4	68	68	None	Same	Below
W17	4	1	26	10	None	Below	Below
		2	10	10	None	Below	Same
		3	10	26	None	Same	Same
		4	26	26	None	Same	Below
W18	4	1	10	69	None	Below	Below
		2	69	69	None	Below	Same
		3	69	10	None	Same	Same
		4	10	10	None	Same	Below
W19	4	1	69	9	None	Below	Below
		2	9	9	None	Below	Same
		3	9	69	None	Same	Same
		4	69	69	None	Same	Below
W20	4	1	9	70	None	Below	Below
		2	70	70	None	Below	Same
		3	70	9	None	Same	Same
		4	9	9	None	Same	Below
W21	4	1	70	52	None	Below	Below
		2	52	52	None	Below	Same
		3	52	70	None	Same	Same
		4	70	70	None	Same	Below
W22	4	1	52	53	None	Below	Below
		2	53	53	None	Below	Same
		3	53	52	None	Same	Same
		4	52	52	None	Same	Below
W23	4	1	53	54	None	Below	Below
		2	54	54	None	Below	Same
		3	54	53	None	Same	Same
		4	53	53	None	Same	Below
W24	4	1	54	55	None	Below	Below
		2	55	55	None	Below	Same



Table 1.8 - Wall Connectivity Data (continued)

Label	Number of Edges	Edge Number	Point 1	Point 2	Curve Type	Point 1 Story	Point 2 Story
		3	55	54	None	Same	Same
		4	54	54	None	Same	Below
W25	4	1	55	56	None	Below	Below
		2	56	56	None	Below	Same
		3	56	55	None	Same	Same
		4	55	55	None	Same	Below
W3	4	1	25	45	None	Below	Below
		2	45	45	None	Below	Same
		3	45	25	None	Same	Same
		4	25	25	None	Same	Below
W28	4	1	45	45	None	Below	Same
		2	45	52	None	Same	Same
		3	52	52	None	Same	Below
		4	52	45	None	Below	Below
W29	4	1	9	8	None	Below	Below
		2	8	8	None	Below	Same
		3	8	9	None	Same	Same
		4	9	9	None	Same	Below
W4	4	1	17	33	None	Below	Below
		2	33	33	None	Below	Same
		3	33	17	None	Same	Same
		4	17	17	None	Same	Below
W5	4	1	33	35	None	Below	Below
		2	35	35	None	Below	Same
		3	35	33	None	Same	Same
		4	33	33	None	Same	Below
W6	4	1	17	65	None	Below	Below
		2	65	65	None	Below	Same
		3	65	17	None	Same	Same
		4	17	17	None	Same	Below

## 1.6 Mass

Table 1.9 - Mass Source

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

Table 1.10 - Mass Summary by Story

Story	UX tonf-s <sup>2</sup> /m	UY tonf-s <sup>2</sup> /m	UZ tonf-s <sup>2</sup> /m
CUB	38.12717	38.12717	0
PISO 3A	12.29428	12.29428	0
PISO 3	39.71615	39.71615	0

Table 1.10 - Mass Summary by Story (continued)

Story	UX tonf-s <sup>2</sup> /m	UY tonf-s <sup>2</sup> /m	UZ tonf-s <sup>2</sup> /m
PISO 2	37.45875	37.45875	0
PISO 1	26.85735	26.85735	0
Base	3.82097	3.82097	0

## 1.7 Groups

Table 1.11 - Group Definitions

Name	Color
All	Yellow
NODOS DERIVAS	Red

Table 1.12 - Group Assignments

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Point	7	4	PISO 2
NODOS DERIVAS	Point	9	5	PISO 2
NODOS DERIVAS	Point	10	5	PISO 3
NODOS DERIVAS	Point	13	7	PISO 2
NODOS DERIVAS	Point	14	7	PISO 3
NODOS DERIVAS	Point	15	8	PISO 2
NODOS DERIVAS	Point	16	8	PISO 3
NODOS DERIVAS	Point	17	9	PISO 2
NODOS DERIVAS	Point	18	9	PISO 3
NODOS DERIVAS	Point	19	10	PISO 2
NODOS DERIVAS	Point	20	10	PISO 3
NODOS DERIVAS	Point	21	11	PISO 2
NODOS DERIVAS	Point	22	11	PISO 3
NODOS DERIVAS	Point	23	12	PISO 2
NODOS DERIVAS	Point	24	12	PISO 3
NODOS DERIVAS	Point	25	13	PISO 2
NODOS DERIVAS	Point	26	13	PISO 3
NODOS DERIVAS	Point	27	14	PISO 2
NODOS DERIVAS	Point	28	14	PISO 3
NODOS DERIVAS	Point	29	15	PISO 2
NODOS DERIVAS	Point	30	15	PISO 3
NODOS DERIVAS	Point	31	16	PISO 2
NODOS DERIVAS	Point	32	16	PISO 3
NODOS DERIVAS	Point	43	7	CUB
NODOS DERIVAS	Point	44	8	CUB
NODOS DERIVAS	Point	45	9	CUB
NODOS DERIVAS	Point	46	10	CUB
NODOS DERIVAS	Point	47	11	CUB
NODOS DERIVAS	Point	48	12	CUB
NODOS DERIVAS	Point	49	13	CUB
NODOS DERIVAS	Point	50	14	CUB
NODOS DERIVAS	Point	51	15	CUB

Table 1.12 - Group Assignments (continued)

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Point	52	16	CUB
NODOS DERIVAS	Point	58	4	PISO 1
NODOS DERIVAS	Point	59	5	PISO 1
NODOS DERIVAS	Point	61	7	PISO 1
NODOS DERIVAS	Point	62	8	PISO 1
NODOS DERIVAS	Point	63	9	PISO 1
NODOS DERIVAS	Point	64	10	PISO 1
NODOS DERIVAS	Point	80	20	PISO 3
NODOS DERIVAS	Point	81	21	PISO 3
NODOS DERIVAS	Point	83	23	PISO 3
NODOS DERIVAS	Point	108	20	PISO 2
NODOS DERIVAS	Point	110	20	PISO 1
NODOS DERIVAS	Point	122	21	CUB
NODOS DERIVAS	Point	124	23	CUB
NODOS DERIVAS	Point	168	39	PISO 2
NODOS DERIVAS	Point	42	19	PISO 3
NODOS DERIVAS	Point	55	19	PISO 2
NODOS DERIVAS	Point	73	22	PISO 2
NODOS DERIVAS	Point	76	22	PISO 3
NODOS DERIVAS	Point	77	27	PISO 2
NODOS DERIVAS	Point	82	27	PISO 3
NODOS DERIVAS	Point	121	46	PISO 2
NODOS DERIVAS	Point	123	46	PISO 3
NODOS DERIVAS	Point	160	19	CUB
NODOS DERIVAS	Point	161	22	CUB
NODOS DERIVAS	Point	162	27	CUB
NODOS DERIVAS	Point	163	46	CUB
NODOS DERIVAS	Point	204	21	PISO 2
NODOS DERIVAS	Point	205	23	PISO 2
NODOS DERIVAS	Point	246	22	PISO 1
NODOS DERIVAS	Point	247	27	PISO 1
NODOS DERIVAS	Point	250	46	PISO 1
NODOS DERIVAS	Point	251	48	PISO 1
NODOS DERIVAS	Point	252	19	PISO 1
NODOS DERIVAS	Point	94	4	PISO 3A
NODOS DERIVAS	Point	95	5	PISO 3A
NODOS DERIVAS	Point	311	39	PISO 3A
NODOS DERIVAS	Point	323	39	PISO 1
NODOS DERIVAS	Line	4	C4	PISO 3
NODOS DERIVAS	Line	5	C5	PISO 3
NODOS DERIVAS	Line	7	C7	PISO 3
NODOS DERIVAS	Line	8	C8	PISO 3
NODOS DERIVAS	Line	9	C9	PISO 3
NODOS DERIVAS	Line	11	C11	PISO 3
NODOS DERIVAS	Line	12	C12	PISO 3

Table 1.12 - Group Assignments (continued)

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Line	13	C13	PISO 3
NODOS DERIVAS	Line	14	C14	PISO 3
NODOS DERIVAS	Line	15	C15	PISO 3
NODOS DERIVAS	Line	16	C16	PISO 3
NODOS DERIVAS	Line	25	C7	CUB
NODOS DERIVAS	Line	26	C8	CUB
NODOS DERIVAS	Line	27	C9	CUB
NODOS DERIVAS	Line	28	C10	CUB
NODOS DERIVAS	Line	29	C11	CUB
NODOS DERIVAS	Line	30	C12	CUB
NODOS DERIVAS	Line	31	C13	CUB
NODOS DERIVAS	Line	32	C14	CUB
NODOS DERIVAS	Line	33	C15	CUB
NODOS DERIVAS	Line	34	C16	CUB
NODOS DERIVAS	Line	40	C4	PISO 2
NODOS DERIVAS	Line	41	C5	PISO 2
NODOS DERIVAS	Line	43	C7	PISO 2
NODOS DERIVAS	Line	44	C8	PISO 2
NODOS DERIVAS	Line	45	C9	PISO 2
NODOS DERIVAS	Line	46	C10	PISO 2
NODOS DERIVAS	Line	56	C4	PISO 1
NODOS DERIVAS	Line	57	C5	PISO 1
NODOS DERIVAS	Line	110	C19	PISO 3
NODOS DERIVAS	Line	112	C19	PISO 2
NODOS DERIVAS	Line	113	C19	PISO 1
NODOS DERIVAS	Line	296	C7	PISO 1
NODOS DERIVAS	Line	1	C1	PISO 3
NODOS DERIVAS	Line	3	C3	PISO 3
NODOS DERIVAS	Line	19	C6	PISO 3
NODOS DERIVAS	Line	21	C20	PISO 3
NODOS DERIVAS	Line	37	C21	PISO 3
NODOS DERIVAS	Line	226	C1	CUB
NODOS DERIVAS	Line	227	C3	CUB
NODOS DERIVAS	Line	228	C6	CUB
NODOS DERIVAS	Line	231	C20	CUB
NODOS DERIVAS	Line	232	C21	CUB
NODOS DERIVAS	Line	280	C22	PISO 3
NODOS DERIVAS	Line	281	C22	CUB
NODOS DERIVAS	Line	282	C23	PISO 3
NODOS DERIVAS	Line	287	C23	CUB
NODOS DERIVAS	Line	290	C3	PISO 2
NODOS DERIVAS	Line	291	C6	PISO 2
NODOS DERIVAS	Line	294	C20	PISO 2
NODOS DERIVAS	Line	295	C21	PISO 2
NODOS DERIVAS	Line	307	C1	PISO 2

Table 1.12 - Group Assignments (continued)

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Line	79	C8	PISO 1
NODOS DERIVAS	Line	59	C4	PISO 3A
NODOS DERIVAS	Line	71	C5	PISO 3A
NODOS DERIVAS	Line	469	C17	PISO 1
NODOS DERIVAS	Line	470	C17	PISO 2
NODOS DERIVAS	Line	471	C17	PISO 3
NODOS DERIVAS	Line	472	C17	PISO 3A
NODOS DERIVAS	Line	6	C10	PISO 3
NODOS DERIVAS	Line	24	C9	PISO 1

2 Properties

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

2.1 Materials

Table 2.1 - Material Properties - Summary

Name	Type	E tonf/m²	v	Unit Weight tonf/m³	Design Strengths
21MPa	Concrete	2192389.81	0.2	2.4028	Fc=1900 tonf/m²
28MPa	Concrete	2487006	0.2	2.4	Fc=2800 tonf/m²
A416Gr270	Tendon	20037480	0	7.849	Fy=172322.4 tonf/m², Fu=189828.8 tonf/m²
A615Gr60	Rebar	20389020	0	7.849	Fy=42184.18 tonf/m², Fu=63276.27 tonf/m²

2.2 Frame Sections

Table 2.2 - Frame Sections - Summary

Name	Material	Shape
COL D40	28MPa	Concrete Circle
COL D50	28MPa	Concrete Circle
COL40x50	28MPa	Concrete Rectangular
COL40X55	28MPa	Concrete Rectangular
COL40x60	28MPa	Concrete Rectangular
V15x50	21MPa	Concrete Rectangular
V20x50	21MPa	Concrete Rectangular
V25x50	21MPa	Concrete Rectangular
V30x50	21MPa	Concrete Rectangular
V40x50	21MPa	Concrete Rectangular
V50x50	21MPa	Concrete Rectangular

2.3 Shell Sections

Table 2.3 - Shell Sections - Summary

Name	Design Type	Element Type	Material	Total Thickness m
CONTENCION	Wall	Shell-Thin	21MPa	0.25
LOSA 10 cm	Slab	Membrane	28MPa	0.1
PANT 25	Wall	Shell-Thin	28MPa	0.25
PLACA CON TORTA INF	Slab	Membrane	28MPa	0.08
PLACA ENTREPISO	Slab	Membrane	28MPa	0.08

2.4 Reinforcement Sizes

2.5 Tendon Sections

Table 2.4 - Reinforcing Bar Sizes

Name	Diameter m	Area m²
10	0.01	7.9E-05
18	0.018	0.000255
20	0.02	0.000314

Table 2.5 - Tendon Section Properties

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

3 Assignments

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

3.1 Joint Assignments

Table 3.1 - Joint Assignments - Summary

Story	Label	Unique Name	Diaphragm	Restraints
CUB	7	43	Disconnected	
CUB	8	44	Disconnected	
CUB	9	45	Disconnected	
CUB	10	46	Disconnected	
CUB	11	47	Disconnected	
CUB	12	48	Disconnected	
CUB	13	49	Disconnected	
CUB	14	50	Disconnected	
CUB	15	51	Disconnected	
CUB	16	52	Disconnected	
CUB	21	122	Disconnected	
CUB	23	124	Disconnected	
CUB	24	125	Disconnected	
CUB	26	126	Disconnected	
CUB	28	128	Disconnected	
CUB	30	130	Disconnected	
CUB	32	132	Disconnected	
CUB	44	141	Disconnected	
CUB	45	142	Disconnected	
CUB	25	144	Disconnected	
CUB	47	146	Disconnected	
CUB	52	127	Disconnected	
CUB	53	129	Disconnected	
CUB	54	131	Disconnected	
CUB	55	133	Disconnected	
CUB	65	218	Disconnected	
CUB	66	220	Disconnected	
CUB	68	228	Disconnected	
CUB	19	160	Disconnected	
CUB	22	161	Disconnected	
CUB	27	162	Disconnected	
CUB	46	163	Disconnected	
CUB	48	164	Disconnected	
CUB	59	174	Disconnected	
CUB	67	175	Disconnected	
CUB	72	176	Disconnected	
CUB	73	177	Disconnected	
CUB	74	178	Disconnected	
CUB	75	179	Disconnected	
CUB	76	182	Disconnected	
CUB	78	266	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
CUB	79	272	Disconnected	
CUB	80	273	Disconnected	
CUB	88	211	Disconnected	
CUB	17	119	Disconnected	
CUB	33	118	Disconnected	
CUB	35	120	Disconnected	
PISO 3A	1	298	Disconnected	
PISO 3A	3	297	Disconnected	
PISO 3A	4	94	Disconnected	
PISO 3A	5	95	Disconnected	
PISO 3A	7	113	Disconnected	
PISO 3A	8	134	Disconnected	
PISO 3A	9	135	Disconnected	
PISO 3A	10	148	Disconnected	
PISO 3A	11	149	Disconnected	
PISO 3A	12	195	Disconnected	
PISO 3A	13	206	Disconnected	
PISO 3A	14	208	Disconnected	
PISO 3A	15	267	Disconnected	
PISO 3A	16	268	Disconnected	
PISO 3A	21	277	Disconnected	
PISO 3A	23	278	Disconnected	
PISO 3A	36	308	Disconnected	
PISO 3A	37	309	Disconnected	
PISO 3A	38	310	Disconnected	
PISO 3A	39	311	Disconnected	
PISO 3A	43	312	Disconnected	
PISO 3A	44	283	Disconnected	
PISO 3A	25	285	Disconnected	
PISO 3A	65	282	Disconnected	
PISO 3A	68	284	Disconnected	
PISO 3A	19	270	Disconnected	
PISO 3A	22	271	Disconnected	
PISO 3A	27	274	Disconnected	
PISO 3A	46	275	Disconnected	
PISO 3A	48	276	Disconnected	
PISO 3A	84	294	Disconnected	
PISO 3A	17	279	Disconnected	
PISO 3A	33	280	Disconnected	
PISO 3A	35	281	Disconnected	
PISO 3	4	8	Disconnected	
PISO 3	5	10	Disconnected	
PISO 3	7	14	Disconnected	
PISO 3	8	16	Disconnected	
PISO 3	9	18	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 3	10	20	Disconnected	
PISO 3	11	22	Disconnected	
PISO 3	12	24	Disconnected	
PISO 3	13	26	Disconnected	
PISO 3	14	28	Disconnected	
PISO 3	15	30	Disconnected	
PISO 3	16	32	Disconnected	
PISO 3	20	80	Disconnected	
PISO 3	21	81	Disconnected	
PISO 3	23	83	Disconnected	
PISO 3	24	84	Disconnected	
PISO 3	26	86	Disconnected	
PISO 3	28	88	Disconnected	
PISO 3	30	90	Disconnected	
PISO 3	32	92	Disconnected	
PISO 3	39	99	Disconnected	
PISO 3	44	107	Disconnected	
PISO 3	6	11	Disconnected	
PISO 3	25	12	Disconnected	
PISO 3	47	60	Disconnected	
PISO 3	65	217	Disconnected	
PISO 3	68	227	Disconnected	
PISO 3	19	42	Disconnected	
PISO 3	22	76	Disconnected	
PISO 3	27	82	Disconnected	
PISO 3	46	123	Disconnected	
PISO 3	48	147	Disconnected	
PISO 3	59	150	Disconnected	
PISO 3	67	151	Disconnected	
PISO 3	72	152	Disconnected	
PISO 3	73	257	Disconnected	
PISO 3	74	258	Disconnected	
PISO 3	75	259	Disconnected	
PISO 3	76	260	Disconnected	
PISO 3	79	66	Disconnected	
PISO 3	80	67	Disconnected	
PISO 3	81	69	Disconnected	
PISO 3	82	70	Disconnected	
PISO 3	83	71	Disconnected	
PISO 3	84	72	Disconnected	
PISO 3	85	159	Disconnected	
PISO 3	86	248	Disconnected	
PISO 3	89	87	Disconnected	
PISO 3	90	89	Disconnected	
PISO 3	91	91	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 3	92	93	Disconnected	
PISO 3	94	112	Disconnected	
PISO 3	97	114	Disconnected	
PISO 3	96	37	Disconnected	
PISO 3	99	39	Disconnected	
PISO 3	17	103	Disconnected	
PISO 3	33	102	Disconnected	
PISO 3	35	105	Disconnected	
PISO 3	62	38	Disconnected	
PISO 2	1	1	Disconnected	
PISO 2	2	3	Disconnected	
PISO 2	3	5	Disconnected	
PISO 2	4	7	Disconnected	
PISO 2	5	9	Disconnected	
PISO 2	7	13	Disconnected	
PISO 2	8	15	Disconnected	
PISO 2	9	17	Disconnected	
PISO 2	10	19	Disconnected	
PISO 2	11	21	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	12	23	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	13	25	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	14	27	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	15	29	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	16	31	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	20	108	Disconnected	
PISO 2	21	204	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	23	205	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	24	154	Disconnected	
PISO 2	26	155	Disconnected	
PISO 2	36	165	Disconnected	
PISO 2	37	166	Disconnected	
PISO 2	38	167	Disconnected	
PISO 2	39	168	Disconnected	
PISO 2	43	169	Disconnected	
PISO 2	44	170	Disconnected	
PISO 2	45	171	Disconnected	
PISO 2	6	172	Disconnected	
PISO 2	25	173	Disconnected	
PISO 2	52	156	Disconnected	
PISO 2	53	236	Disconnected	
PISO 2	54	238	Disconnected	
PISO 2	55	240	Disconnected	
PISO 2	56	242	Disconnected	
PISO 2	57	329	Disconnected	
PISO 2	58	330	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 2	61	219	Disconnected	
PISO 2	65	216	Disconnected	
PISO 2	68	226	Disconnected	
PISO 2	69	231	Disconnected	
PISO 2	70	233	Disconnected	
PISO 2	19	55	Disconnected	
PISO 2	22	73	Disconnected	
PISO 2	27	77	Disconnected	
PISO 2	46	121	Disconnected	
PISO 2	48	145	Disconnected	
PISO 2	59	153	Disconnected	
PISO 2	67	157	Disconnected	
PISO 2	72	158	Disconnected	
PISO 2	73	253	Disconnected	
PISO 2	74	254	Disconnected	
PISO 2	75	255	Disconnected	
PISO 2	76	256	Disconnected	
PISO 2	78	33	Disconnected	
PISO 2	79	35	Disconnected	
PISO 2	80	65	Disconnected	
PISO 2	81	249	Disconnected	
PISO 2	82	261	Disconnected	
PISO 2	83	262	Disconnected	
PISO 2	84	263	Disconnected	
PISO 2	85	264	Disconnected	
PISO 2	86	265	Disconnected	
PISO 2	18	327	Disconnected	
PISO 2	34	328	Disconnected	
PISO 2	60	331	Disconnected	
PISO 2	64	332	Disconnected	
PISO 2	87	333	Disconnected	
PISO 2	93	334	Disconnected	
PISO 2	17	100	Disconnected	
PISO 2	33	101	Disconnected	
PISO 2	35	104	Disconnected	
PISO 1	3	57	Disconnected	
PISO 1	4	58	Disconnected	
PISO 1	5	59	Disconnected	
PISO 1	7	61	Disconnected	
PISO 1	8	62	Disconnected	
PISO 1	9	63	Disconnected	
PISO 1	10	64	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	20	110	Disconnected	
PISO 1	24	193	Disconnected	
PISO 1	26	229	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 1	36	200	Disconnected	
PISO 1	37	324	Disconnected	
PISO 1	38	201	Disconnected	
PISO 1	39	323	Disconnected	
PISO 1	43	202	Disconnected	
PISO 1	44	215	Disconnected	
PISO 1	45	209	Disconnected	
PISO 1	6	203	Disconnected	
PISO 1	25	225	Disconnected	
PISO 1	52	234	Disconnected	
PISO 1	53	235	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	54	237	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	55	239	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	56	241	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	29	181	Disconnected	
PISO 1	31	184	Disconnected	
PISO 1	49	188	Disconnected	
PISO 1	57	192	Disconnected	
PISO 1	58	194	Disconnected	
PISO 1	65	213	Disconnected	
PISO 1	66	245	Disconnected	
PISO 1	68	223	Disconnected	
PISO 1	69	230	Disconnected	
PISO 1	70	232	Disconnected	
PISO 1	19	252	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	22	246	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	27	247	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	46	250	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	48	251	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	17	78	Disconnected	
PISO 1	33	79	Disconnected	
PISO 1	35	85	Disconnected	
PISO 1	50	325	Disconnected	
PISO 1	51	326	Disconnected	
Base	4	74	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	5	75	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	7	198	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	8	197	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	9	336	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	20	111	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	24	199	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	39	322	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	44	214	Disconnected	UX; UY; UZ
Base	45	207	Disconnected	UX; UY; UZ
Base	25	224	Disconnected	UX; UY; UZ

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
Base	52	335	Disconnected	UX; UY; UZ
Base	58	196	Disconnected	
Base	65	212	Disconnected	UX; UY; UZ
Base	68	222	Disconnected	UX; UY; UZ
Base	70	337	Disconnected	
Base	17	115	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	33	116	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	35	117	Disconnected	UX; UY; UZ; RX; RY; RZ

## 3.2 Frame Assignments

Table 3.2 - Frame Assignments - Summary

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
CUB	C7	25	Column	1.54	COL40x50	COL40x50		3	No
CUB	C8	26	Column	1.54	COL40x50	COL40x50		3	No
CUB	C9	27	Column	1.54	COL40x50	COL40x50		3	No
CUB	C10	28	Column	1.54	COL40x50	COL40x50		3	No
CUB	C11	29	Column	1.54	COL40x50	COL40x50		3	No
CUB	C12	30	Column	1.54	COL40x50	COL40x50		3	No
CUB	C13	31	Column	1.54	COL40X55	COL40X55		3	No
CUB	C14	32	Column	1.54	COL40X55	COL40X55		3	No
CUB	C15	33	Column	1.54	COL40X55	COL40X55		3	No
CUB	C16	34	Column	1.54	COL40X55	COL40X55		3	No
CUB	C1	226	Column	1.54	COL D40	COL D40		3	No
CUB	C3	227	Column	1.54	COL D40	COL D40		3	No
CUB	C6	228	Column	1.54	COL D40	COL D40		3	No
CUB	C20	231	Column	1.54	COL D40	COL D40		3	No
CUB	C21	232	Column	1.54	COL D40	COL D40		3	No
CUB	C22	281	Column	1.54	COL40x60	COL40x60		3	No
CUB	C23	287	Column	1.54	COL40x60	COL40x60		3	No
PISO 3A	C4	59	Column	1.7	COL40x60	COL40x60		3	Yes
PISO 3A	C5	71	Column	1.7	COL40x60	COL40x60		3	No
PISO 3A	C7	96	Column	1.7	COL40x50	COL40x50		3	No
PISO 3A	C8	97	Column	1.7	COL40x50	COL40x50		3	No
PISO 3A	C9	98	Column	1.7	COL40x50	COL40x50		3	No
PISO 3A	C10	120	Column	1.7	COL40x50	COL40x50		3	No
PISO 3A	C11	129	Column	1.7	COL40x50	COL40x50		3	No
PISO 3A	C12	148	Column	1.7	COL40x50	COL40x50		3	No
PISO 3A	C13	155	Column	1.7	COL40X55	COL40X55		3	No
PISO 3A	C14	171	Column	1.7	COL40X55	COL40X55		3	No
PISO 3A	C15	172	Column	1.7	COL40X55	COL40X55		3	No
PISO 3A	C16	173	Column	1.7	COL40X55	COL40X55		3	No
PISO 3A	C1	428	Column	1.7	COL D40	COL D40		3	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
PISO 3A	C3	429	Column	1.7	COL D40	COL D40		3	No
PISO 3A	C6	430	Column	1.7	COL D40	COL D40		3	No
PISO 3A	C20	431	Column	1.7	COL D40	COL D40		3	No
PISO 3A	C21	432	Column	1.7	COL D40	COL D40		3	No
PISO 3A	C22	438	Column	1.7	COL40x60	COL40x60		3	No
PISO 3A	C23	439	Column	1.7	COL40x60	COL40x60		3	No
PISO 3A	C17	472	Column	1.7	COL40x60	COL40x60		3	Yes
PISO 3	C4	4	Column	3.24	COL40x60	COL40x60		3	Yes
PISO 3	C5	5	Column	3.24	COL40x60	COL40x60		3	No
PISO 3	C7	7	Column	3.24	COL40x50	COL40x50		3	No
PISO 3	C8	8	Column	3.24	COL40x50	COL40x50		3	No
PISO 3	C9	9	Column	3.24	COL40x50	COL40x50		3	No
PISO 3	C10	6	Column	3.24	COL40x50	COL40x50		3	No
PISO 3	C11	11	Column	3.24	COL40x50	COL40x50		3	No
PISO 3	C12	12	Column	3.24	COL40x50	COL40x50		3	No
PISO 3	C13	13	Column	3.24	COL40X55	COL40X55		3	No
PISO 3	C14	14	Column	3.24	COL40X55	COL40X55		3	No
PISO 3	C15	15	Column	3.24	COL40X55	COL40X55		3	No
PISO 3	C16	16	Column	3.24	COL40X55	COL40X55		3	No
PISO 3	C19	110	Column	3.24	COL D50	COL D50		3	No
PISO 3	C1	1	Column	3.24	COL D40	COL D40		3	No
PISO 3	C3	3	Column	3.24	COL D40	COL D40		3	No
PISO 3	C6	19	Column	3.24	COL D40	COL D40		3	No
PISO 3	C20	21	Column	3.24	COL D40	COL D40		3	No
PISO 3	C21	37	Column	3.24	COL D40	COL D40		3	No
PISO 3	C22	280	Column	3.24	COL40x60	COL40x60		3	No
PISO 3	C23	282	Column	3.24	COL40x60	COL40x60		3	No
PISO 3	C17	471	Column	3.24	COL40x60	COL40x60		3	Yes
PISO 2	C4	40	Column	3.24	COL40x60	COL40x60		3	Yes
PISO 2	C5	41	Column	3.24	COL40x60	COL40x60		3	No
PISO 2	C7	43	Column	3.24	COL40x50	COL40x50		3	No
PISO 2	C8	44	Column	3.24	COL40x50	COL40x50		3	No
PISO 2	C9	45	Column	3.24	COL40x50	COL40x50		3	No
PISO 2	C10	46	Column	3.24	COL40x50	COL40x50		3	No
PISO 2	C19	112	Column	3.24	COL D50	COL D50		3	No
PISO 2	C1	307	Column	3.24	COL D40	COL D40		3	No
PISO 2	C3	290	Column	3.24	COL D40	COL D40		3	No
PISO 2	C6	291	Column	3.24	COL D40	COL D40		3	No
PISO 2	C20	294	Column	3.24	COL D40	COL D40		3	No
PISO 2	C21	295	Column	3.24	COL D40	COL D40		3	No
PISO 2	C17	470	Column	3.24	COL40x60	COL40x60		3	Yes
PISO 1	C4	56	Column	2.8	COL40x60	COL40x60		3	Yes
PISO 1	C5	57	Column	2.8	COL40x60	COL40x60		3	No
PISO 1	C7	296	Column	2.8	COL40x50	COL40x50		3	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
PISO 1	C8	79	Column	2.8	COL40x50	COL40x50		3	No
PISO 1	C9	24	Column	2.8	COL40x50	COL40x50		3	No
PISO 1	C19	113	Column	2.8	COL D50	COL D50		3	No
PISO 1	C17	469	Column	2.8	COL40x60	COL40x60		3	Yes
CUB	B6	143	Beam	5.8	V30x50	V30x50		3	No
CUB	B7	144	Beam	5.8	V30x50	V30x50		3	No
CUB	B8	145	Beam	5.8	V30x50	V30x50		3	No
CUB	B9	146	Beam	5.8	V30x50	V30x50		3	No
CUB	B14	151	Beam	5.8	V30x50	V30x50		3	No
CUB	B15	152	Beam	5.8	V30x50	V30x50		3	No
CUB	B16	153	Beam	5.8	V30x50	V30x50		3	No
CUB	B17	154	Beam	5.8	V30x50	V30x50		3	No
CUB	B20	157	Beam	6	V30x50	V30x50		3	No
CUB	B21	158	Beam	6	V40x50	V40x50		3	No
CUB	B22	159	Beam	0.7	V30x50	V30x50		3	No
CUB	B24	160	Beam	0.7	V40x50	V40x50		3	No
CUB	B26	162	Beam	0.7	V40x50	V40x50		3	No
CUB	B27	163	Beam	6	V40x50	V40x50		3	No
CUB	B29	165	Beam	0.7	V50x50	V50x50		3	No
CUB	B30	166	Beam	6	V50x50	V50x50		3	No
CUB	B32	168	Beam	0.7	V50x50	V50x50		3	No
CUB	B33	169	Beam	6	V50x50	V50x50		3	No
CUB	B49	185	Beam	3	V30x50	V30x50		3	No
CUB	B57	194	Beam	5.8	V15x50	V15x50		3	No
CUB	B58	195	Beam	5.8	V15x50	V15x50		3	No
CUB	B59	196	Beam	5.8	V15x50	V15x50		3	No
CUB	B60	197	Beam	5.8	V15x50	V15x50		3	No
CUB	B70	206	Beam	5.4	V15x50	V15x50		3	No
CUB	B71	207	Beam	2.85	V15x50	V15x50		3	No
CUB	B77	212	Beam	0.7	V50x50	V50x50		3	No
CUB	B78	213	Beam	6	V50x50	V50x50		3	No
CUB	B81	161	Beam	3	V40x50	V40x50		3	No
CUB	B82	164	Beam	3	V40x50	V40x50		3	No
CUB	B83	167	Beam	3	V50x50	V50x50		3	No
CUB	B84	170	Beam	3	V50x50	V50x50		3	No
CUB	B86	208	Beam	5.8	V15x50	V15x50		3	No
CUB	B87	209	Beam	5.8	V15x50	V15x50		3	No
CUB	B88	210	Beam	5.8	V15x50	V15x50		3	No
CUB	B92	214	Beam	5.8	V15x50	V15x50		3	No
CUB	B1	233	Beam	2.85	V30x50	V30x50		3	No
CUB	B12	234	Beam	2.05	V30x50	V30x50		3	No
CUB	B25	235	Beam	1.9	V30x50	V30x50		3	No
CUB	B52	241	Beam	2.05	V30x50	V30x50		3	No
CUB	B63	242	Beam	1.9	V30x50	V30x50		3	No



Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
CUB	B64	243	Beam	2.85	V30x50	V30x50		3	No
CUB	B65	244	Beam	5.8	V30x50	V30x50		3	No
CUB	B66	245	Beam	5.8	V30x50	V30x50		3	No
CUB	B73	246	Beam	5.8	V30x50	V30x50		3	No
CUB	B91	247	Beam	5.8	V30x50	V30x50		3	No
CUB	B94	248	Beam	2.05	V40x50	V40x50		3	No
CUB	B99	249	Beam	1.9	V40x50	V40x50		3	No
CUB	B100	250	Beam	2.05	V40x50	V40x50		3	No
CUB	B101	251	Beam	1.9	V40x50	V40x50		3	No
CUB	B102	252	Beam	2.05	V50x50	V50x50		3	No
CUB	B103	268	Beam	1.9	V50x50	V50x50		3	No
CUB	B104	274	Beam	2.05	V50x50	V50x50		3	No
CUB	B105	275	Beam	1.9	V50x50	V50x50		3	No
CUB	B106	276	Beam	5.8	V20x50	V20x50		3	No
CUB	B107	277	Beam	5.8	V20x50	V20x50		3	No
CUB	B108	278	Beam	5.8	V20x50	V20x50		3	No
CUB	B109	279	Beam	5.8	V20x50	V20x50		3	No
CUB	B113	366	Beam	2.05	V20x50	V20x50		3	No
CUB	B114	23	Beam	1.9	V20x50	V20x50		3	No
CUB	B115	349	Beam	2	V20x50	V20x50		3	No
CUB	B116	354	Beam	2	V20x50	V20x50		3	No
CUB	B126	52	Beam	2	V30x50	V30x50		3	No
CUB	B133	54	Beam	2	V15x50	V15x50		3	No
CUB	B136	211	Beam	3	V20x50	V20x50		3	No
CUB	B156	147	Beam	5.8	V30x50	V30x50		3	No
CUB	B158	198	Beam	5.8	V15x50	V15x50		3	No
CUB	B18	156	Beam	3.8	V30x50	V30x50		3	No
CUB	B28	184	Beam	3.4	V30x50	V30x50		3	No
CUB	B31	188	Beam	3.4	V30x50	V30x50		3	No
CUB	B69	101	Beam	2.87793	V30x50	V30x50	0.5		No
CUB	B162	100	Beam	5.4	V30x50	V30x50	0.5		No
PISO 3A	B2	199	Beam	2.45	V30x50	V30x50		3	No
PISO 3A	B3	215	Beam	8.35	V30x50	V30x50		3	No
PISO 3A	B38	392	Beam	0.7	V15x50	V15x50		3	No
PISO 3A	B39	393	Beam	7.4	V15x50	V15x50		3	No
PISO 3A	B40	394	Beam	1.6	V15x50	V15x50		3	No
PISO 3A	B41	395	Beam	0.7	V40x50	V40x50		3	No
PISO 3A	B46	400	Beam	0.7	V30x50	V30x50		3	No
PISO 3A	B53	408	Beam	2.45	V15x50	V15x50		3	No
PISO 3A	B54	409	Beam	8.35	V15x50	V15x50		3	No
PISO 3A	B67	417	Beam	2.45	V30x50	V30x50		3	No
PISO 3A	B68	418	Beam	8.35	V30x50	V30x50		3	No
PISO 3A	B70	419	Beam	5.4	V25x50	V25x50		3	No
PISO 3A	B79	396	Beam	9	V40x50	V40x50		3	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
PISO 3A	B28	402	Beam	3.4	V30x50	V30x50		3	No
PISO 3A	B34	401	Beam	5.6	V30x50	V30x50		3	No
PISO 3A	B162	2	Beam	5.4	V30x50	V30x50		3	No
PISO 3	B5	53	Beam	2.85	V30x50	V30x50		3	No
PISO 3	B6	66	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B7	67	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B8	68	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B9	69	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B14	74	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B15	75	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B16	76	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B17	77	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B20	80	Beam	6	V30x50	V30x50		3	No
PISO 3	B21	81	Beam	6	V40x50	V40x50		3	No
PISO 3	B22	82	Beam	0.7	V30x50	V30x50		3	No
PISO 3	B24	84	Beam	0.7	V40x50	V40x50		3	No
PISO 3	B26	87	Beam	0.7	V40x50	V40x50		3	No
PISO 3	B27	88	Beam	6	V40x50	V40x50		3	No
PISO 3	B29	90	Beam	0.7	V40x50	V40x50		3	No
PISO 3	B30	91	Beam	6	V40x50	V40x50		3	No
PISO 3	B32	93	Beam	0.7	V40x50	V40x50		3	No
PISO 3	B33	94	Beam	6	V40x50	V40x50		3	No
PISO 3	B23	60	Beam	0.7	V30x50	V30x50		3	No
PISO 3	B56	64	Beam	2.85	V15x50	V15x50		3	No
PISO 3	B57	115	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B58	116	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B59	117	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B60	118	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B70	128	Beam	5.4	V25x50	V25x50		3	No
PISO 3	B77	135	Beam	0.7	V50x50	V50x50		3	No
PISO 3	B78	136	Beam	6	V50x50	V50x50		3	No
PISO 3	B1	39	Beam	2.85	V30x50	V30x50		3	No
PISO 3	B12	55	Beam	2.05	V30x50	V30x50		3	No
PISO 3	B25	58	Beam	1.9	V30x50	V30x50		3	No
PISO 3	B63	72	Beam	1.9	V30x50	V30x50		3	No
PISO 3	B64	121	Beam	2.85	V30x50	V30x50		3	No
PISO 3	B65	310	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B66	315	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B73	316	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B91	317	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B99	127	Beam	1.9	V30x50	V30x50		3	No
PISO 3	B101	149	Beam	1.9	V30x50	V30x50		3	No
PISO 3	B103	189	Beam	1.9	V30x50	V30x50		3	No
PISO 3	B105	341	Beam	1.9	V30x50	V30x50		3	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
PISO 3	B106	337	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B107	338	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B108	339	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B109	340	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B114	122	Beam	1.9	V15x50	V15x50		3	No
PISO 3	B115	123	Beam	2	V15x50	V15x50		3	No
PISO 3	B116	124	Beam	2	V20x50	V20x50		3	No
PISO 3	B117	200	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B118	201	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B119	292	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B120	343	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B121	344	Beam	2	V15x50	V15x50		3	No
PISO 3	B122	345	Beam	2	V30x50	V30x50		3	No
PISO 3	B123	346	Beam	2	V30x50	V30x50		3	No
PISO 3	B124	347	Beam	2	V30x50	V30x50		3	No
PISO 3	B128	351	Beam	2	V30x50	V30x50		3	No
PISO 3	B130	353	Beam	2	V20x50	V20x50		3	No
PISO 3	B132	355	Beam	2	V15x50	V15x50		3	No
PISO 3	B137	86	Beam	2.5	V40x50	V40x50		3	No
PISO 3	B138	89	Beam	2.5	V40x50	V40x50		3	No
PISO 3	B139	92	Beam	2.5	V40x50	V40x50		3	No
PISO 3	B140	95	Beam	2.5	V40x50	V40x50		3	No
PISO 3	B142	114	Beam	2.5	V30x50	V30x50		3	No
PISO 3	B144	130	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B145	131	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B146	132	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B147	138	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B149	350	Beam	0.55	V30x50	V30x50		3	No
PISO 3	B151	367	Beam	2.85044	V20x50	V20x50		3	No
PISO 3	B154	140	Beam	2.5	V50x50	V50x50		3	No
PISO 3	B155	139	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B156	70	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B157	78	Beam	5.8	V30x50	V30x50		3	No
PISO 3	B158	119	Beam	5.8	V15x50	V15x50		3	No
PISO 3	B143	62	Beam	1.35	V15x50	V15x50		3	No
PISO 3	B148	65	Beam	0.7	V15x50	V15x50		3	No
PISO 3	B159	83	Beam	1.35	V30x50	V30x50		3	No
PISO 3	B28	109	Beam	3.4	V30x50	V30x50		3	No
PISO 3	B31	42	Beam	3.4	V30x50	V30x50		3	No
PISO 3	B37	61	Beam	5.6	V30x50	V30x50		3	No
PISO 3	B69	99	Beam	2.87793	V30x50	V30x50	0.5		No
PISO 3	B161	73	Beam	5.6	V15x50	V15x50		3	No
PISO 3	B162	85	Beam	5.4	V30x50	V30x50	0.5		No
PISO 2	B2	218	Beam	2.45	V30x50	V30x50		3	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
PISO 2	B3	219	Beam	8.35	V30x50	V30x50		3	No
PISO 2	B4	220	Beam	5.4	V30x50	V30x50		3	No
PISO 2	B6	222	Beam	5.8	V30x50	V30x50		3	No
PISO 2	B14	230	Beam	5.8	V30x50	V30x50		3	No
PISO 2	B20	236	Beam	6	V30x50	V30x50		3	No
PISO 2	B21	237	Beam	6	V40x50	V40x50		3	No
PISO 2	B22	238	Beam	0.7	V30x50	V30x50		3	No
PISO 2	B24	239	Beam	0.7	V40x50	V40x50		3	No
PISO 2	B38	253	Beam	0.7	V30x50	V30x50		3	No
PISO 2	B39	254	Beam	7.4	V30x50	V30x50		3	No
PISO 2	B40	255	Beam	1.6	V30x50	V30x50		3	No
PISO 2	B41	256	Beam	0.7	V40x50	V40x50		3	No
PISO 2	B46	261	Beam	0.7	V40x50	V40x50		3	No
PISO 2	B49	264	Beam	3	V30x50	V30x50		3	No
PISO 2	B23	265	Beam	0.7	V30x50	V30x50		3	No
PISO 2	B53	269	Beam	2.45	V15x50	V15x50		3	No
PISO 2	B54	270	Beam	8.35	V15x50	V15x50		3	No
PISO 2	B55	271	Beam	5.4	V15x50	V15x50		3	No
PISO 2	B57	273	Beam	5.8	V15x50	V15x50		3	No
PISO 2	B67	283	Beam	2.45	V30x50	V30x50		3	No
PISO 2	B68	284	Beam	8.35	V30x50	V30x50		3	No
PISO 2	B70	285	Beam	5.4	V15x50	V15x50		3	No
PISO 2	B71	286	Beam	2.85	V15x50	V15x50		3	No
PISO 2	B81	240	Beam	3	V40x50	V40x50		3	No
PISO 2	B92	293	Beam	5.8	V15x50	V15x50		3	No
PISO 2	B1	202	Beam	2.85	V30x50	V30x50		3	No
PISO 2	B12	203	Beam	2.05	V30x50	V30x50		3	No
PISO 2	B25	217	Beam	1.9	V30x50	V30x50		3	No
PISO 2	B52	223	Beam	2.05	V30x50	V30x50		3	No
PISO 2	B63	224	Beam	1.9	V30x50	V30x50		3	No
PISO 2	B64	225	Beam	2.85	V30x50	V30x50		3	No
PISO 2	B65	309	Beam	5.8	V30x50	V30x50		3	No
PISO 2	B66	297	Beam	5.8	V30x50	V30x50		3	No
PISO 2	B73	303	Beam	5.8	V30x50	V30x50		3	No
PISO 2	B91	305	Beam	5.8	V30x50	V30x50		3	No
PISO 2	B99	49	Beam	1.9	V30x50	V30x50		3	No
PISO 2	B101	50	Beam	1.9	V30x50	V30x50		3	No
PISO 2	B103	51	Beam	1.9	V30x50	V30x50		3	No
PISO 2	B104	17	Beam	2.05	V20x50	V20x50		3	No
PISO 2	B105	18	Beam	1.9	V20x50	V20x50		3	No
PISO 2	B106	324	Beam	5.8	V15x50	V15x50		3	No
PISO 2	B107	329	Beam	5.8	V15x50	V15x50		3	No
PISO 2	B108	331	Beam	5.8	V15x50	V15x50		3	No
PISO 2	B109	336	Beam	5.8	V15x50	V15x50		3	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
PISO 2	B113	35	Beam	2.05	V15x50	V15x50		3	No
PISO 2	B114	36	Beam	1.9	V15x50	V15x50		3	No
PISO 2	B115	47	Beam	2	V15x50	V15x50		3	No
PISO 2	B116	48	Beam	2	V20x50	V20x50		3	No
PISO 2	B117	356	Beam	5.8	V20x50	V20x50		3	No
PISO 2	B118	357	Beam	5.8	V20x50	V20x50		3	No
PISO 2	B119	358	Beam	5.8	V20x50	V20x50		3	No
PISO 2	B120	359	Beam	5.8	V20x50	V20x50		3	No
PISO 2	B121	360	Beam	2	V20x50	V20x50		3	No
PISO 2	B122	361	Beam	2	V30x50	V30x50		3	No
PISO 2	B123	362	Beam	2	V30x50	V30x50		3	No
PISO 2	B124	363	Beam	2	V30x50	V30x50		3	No
PISO 2	B129	364	Beam	0.05	V20x50	V20x50		3	No
PISO 2	B36	484	Beam	5.65	V15x50	V15x50		3	No
PISO 2	B61	485	Beam	1.4	V15x50	V15x50		3	No
PISO 2	B62	486	Beam	1.45	V15x50	V15x50		3	No
PISO 2	B76	487	Beam	2.8	V30x50	V30x50		3	No
PISO 2	B85	489	Beam	1.45	V15x50	V15x50		3	No
PISO 2	B89	490	Beam	1.4	V30x50	V30x50		3	No
PISO 2	B125	491	Beam	1.45	V30x50	V30x50		3	No
PISO 2	B127	492	Beam	1.4	V15x50	V15x50		3	No
PISO 2	B131	493	Beam	1.45	V15x50	V15x50		3	No
PISO 2	B134	494	Beam	2.8	V15x50	V15x50		3	No
PISO 2	B135	495	Beam	0.7	V15x50	V15x50		3	No
PISO 2	B141	496	Beam	3.5	V15x50	V15x50		3	No
PISO 2	B79	257	Beam	9	V40x50	V40x50		3	No
PISO 2	B28	263	Beam	3.4	V40x50	V40x50		3	No
PISO 2	B31	267	Beam	3.4	V30x50	V30x50		3	No
PISO 2	B34	262	Beam	5.6	V40x50	V40x50		3	No
PISO 2	B37	266	Beam	5.6	V30x50	V30x50		3	No
PISO 2	B69	63	Beam	2.87793	V30x50	V30x50	0.5		No
PISO 2	B162	38	Beam	5.4	V30x50	V30x50	0.5		No
PISO 1	B2	298	Beam	2.45	V30x50	V30x50		3	No
PISO 1	B3	299	Beam	8.35	V30x50	V30x50		3	No
PISO 1	B4	300	Beam	5.4	V30x50	V30x50		3	No
PISO 1	B5	301	Beam	2.85	V30x50	V30x50		3	No
PISO 1	B14	497	Beam	5.8	V30x50	V30x50		3	No
PISO 1	B20	20	Beam	6	V30x50	V30x50		3	No
PISO 1	B22	10	Beam	0.7	V30x50	V30x50		3	No
PISO 1	B38	302	Beam	0.7	V15x50	V15x50		3	No
PISO 1	B41	304	Beam	0.7	V40x50	V40x50		3	No
PISO 1	B46	306	Beam	0.7	V40x50	V40x50		3	No
PISO 1	B49	22	Beam	3	V30x50	V30x50		3	No
PISO 1	B23	308	Beam	0.7	V30x50	V30x50		3	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations	User Offsets
PISO 1	B53	311	Beam	2.45	V15x50	V15x50		3	No
PISO 1	B54	312	Beam	8.35	V15x50	V15x50		3	No
PISO 1	B55	313	Beam	5.4	V15x50	V15x50		3	No
PISO 1	B56	314	Beam	2.85	V15x50	V15x50		3	No
PISO 1	B67	473	Beam	2.45	V30x50	V30x50		3	No
PISO 1	B68	474	Beam	8.35	V30x50	V30x50		3	No
PISO 1	B70	475	Beam	5.4	V30x50	V30x50		3	No
PISO 1	B71	476	Beam	2.85	V30x50	V30x50		3	No
PISO 1	B81	498	Beam	3	V30x50	V30x50		3	No
PISO 1	B92	477	Beam	5.8	V30x50	V30x50		3	No
PISO 1	B90	328	Beam	3.5	V15x50	V15x50		3	No
PISO 1	B93	330	Beam	3.5	V40x50	V40x50		3	No
PISO 1	B95	332	Beam	3.5	V40x50	V40x50		3	No
PISO 1	B97	334	Beam	3.5	V30x50	V30x50		3	No
PISO 1	B111	289	Beam	1.6	V30x50	V30x50		3	No
PISO 1	B10	478	Beam	5.5	V40x50	V40x50		3	No
PISO 1	B11	479	Beam	5.5	V15x50	V15x50		3	No
PISO 1	B28	482	Beam	3.4	V40x50	V40x50		3	No
PISO 1	B43	325	Beam	2.45	V30x50	V30x50		3	No
PISO 1	B44	326	Beam	2.95	V30x50	V30x50		3	No
PISO 1	B69	327	Beam	2.87793	V30x50	V30x50		3	No
PISO 1	B72	333	Beam	2.1	V40x50	V40x50		3	No
PISO 1	B112	335	Beam	2.1	V30x50	V30x50		3	No
PISO 1	B150	288	Beam	1.8	V30x50	V30x50		3	No
PISO 1	B153	480	Beam	2.45	V30x50	V30x50		3	No
PISO 1	B160	481	Beam	8.35	V30x50	V30x50		3	No

## 3.3 Shell Assignments

Table 3.3 - Shell Assignments - Summary

Story	Label	Unique Name	Section	Diaphragm	Pier
CUB	W14	36	PANT 25		P2
CUB	W15	68	PANT 25		P1E
CUB	W16	69	PANT 25		P1E
CUB	W4	7	PANT 25		P1F
CUB	W5	8	PANT 25		P1F
CUB	W6	43	PANT 25		P2
PISO 3A	W14	96	PANT 25		P2
PISO 3A	W15	97	PANT 25		P1E
PISO 3A	W16	101	PANT 25		P1E
PISO 3A	W4	33	PANT 25		P1F
PISO 3A	W5	39	PANT 25		P1F
PISO 3A	W6	95	PANT 25		P2

Table 3.3 - Shell Assignments - Summary (continued)

Story	Label	Unique Name	Section	Diaphragm	Pier
PISO 3	W14	35	PANT 25		P2
PISO 3	W15	66	PANT 25		P1E
PISO 3	W16	67	PANT 25		P1E
PISO 3	W4	1	PANT 25		P1F
PISO 3	W5	2	PANT 25		P1F
PISO 3	W6	32	PANT 25		P2
PISO 2	W14	27	PANT 25		P2
PISO 2	W15	64	PANT 25		P1E
PISO 2	W16	65	PANT 25		P1E
PISO 2	W17	70	CONTENCION		
PISO 2	W18	71	CONTENCION		
PISO 2	W19	72	CONTENCION		
PISO 2	W20	73	CONTENCION		
PISO 2	W21	74	CONTENCION		
PISO 2	W22	81	CONTENCION		
PISO 2	W23	82	CONTENCION		
PISO 2	W24	83	CONTENCION		
PISO 2	W25	84	CONTENCION		
PISO 2	W4	3	PANT 25		P1F
PISO 2	W5	4	PANT 25		P1F
PISO 2	W6	28	PANT 25		P2
PISO 1	W9	21	CONTENCION		
PISO 1	W10	20	CONTENCION		
PISO 1	W11	19	CONTENCION		
PISO 1	W14	26	PANT 25		P2
PISO 1	W15	62	PANT 25		P1E
PISO 1	W16	63	PANT 25		P1E
PISO 1	W20	130	CONTENCION		
PISO 1	W21	131	CONTENCION		
PISO 1	W3	24	CONTENCION		
PISO 1	W28	129	CONTENCION		
PISO 1	W29	132	CONTENCION		
PISO 1	W4	5	PANT 25		P1F
PISO 1	W5	6	PANT 25		P1F
PISO 1	W6	25	PANT 25		P2
CUB	F1	17	PLACA CON TORTA INF	D1	
CUB	F3	22	PLACA CON TORTA INF	D1	
CUB	F31	98	PLACA CON TORTA INF	D1	
CUB	F37	52	PLACA CON TORTA INF	D1	
CUB	F40	99	PLACA CON TORTA INF	D1	
CUB	F5	41	PLACA CON TORTA INF	D1	
CUB	F16	118	PLACA CON TORTA INF	D1	
CUB	F33	119	PLACA CON TORTA INF	D1	
CUB	F41	123	PLACA CON TORTA INF	D1	
CUB	F55	116	PLACA CON TORTA INF	D1	

Table 3.3 - Shell Assignments - Summary (continued)

Story	Label	Unique Name	Section	Diaphragm	Pier
CUB	F57	121	PLACA CON TORTA INF	D1	
PISO 3A	F45	125	PLACA ENTREPISO	D1	
PISO 3	F6	78	LOSA 10 cm	D2	
PISO 3	F9	80	LOSA 10 cm	D2	
PISO 3	F10	87	LOSA 10 cm	D2	
PISO 3	F11	88	LOSA 10 cm	D2	
PISO 3	F15	89	LOSA 10 cm	D2	
PISO 3	F17	90	LOSA 10 cm	D2	
PISO 3	F20	91	LOSA 10 cm	D2	
PISO 3	F26	92	LOSA 10 cm	D2	
PISO 3	F29	93	LOSA 10 cm	D2	
PISO 3	F31	94	LOSA 10 cm	D2	
PISO 3	F42	9	PLACA CON TORTA INF	D1	
PISO 3	F22	29	PLACA CON TORTA INF	D1	
PISO 3	F28	30	PLACA CON TORTA INF	D1	
PISO 3	F36	34	PLACA CON TORTA INF	D1	
PISO 3	F39	37	PLACA CON TORTA INF	D1	
PISO 3	F43	48	PLACA CON TORTA INF	D1	
PISO 3	F46	50	PLACA CON TORTA INF	D1	
PISO 3	F56	100	PLACA CON TORTA INF	D1	
PISO 3	F58	13	PLACA CON TORTA INF	D1	
PISO 3	F59	14	PLACA CON TORTA INF	D1	
PISO 2	F19	46	PLACA CON TORTA INF	D1	
PISO 2	F30	77	PLACA CON TORTA INF	D1	
PISO 2	F32	79	PLACA CON TORTA INF	D1	
PISO 2	F1	16	PLACA CON TORTA INF	D1	
PISO 2	F6	15	LOSA 10 cm	D2	
PISO 2	F9	44	LOSA 10 cm	D2	
PISO 2	F10	47	LOSA 10 cm	D2	
PISO 2	F11	49	LOSA 10 cm	D2	
PISO 2	F15	51	LOSA 10 cm	D2	
PISO 2	F17	55	LOSA 10 cm	D2	
PISO 2	F20	57	LOSA 10 cm	D2	
PISO 2	F26	58	LOSA 10 cm	D2	
PISO 2	F29	61	LOSA 10 cm	D2	
PISO 2	F31	76	LOSA 10 cm	D2	
PISO 2	F50	128	PLACA CON TORTA INF	D1	
PISO 2	F7	11	PLACA CON TORTA INF	D1	
PISO 2	F23	12	PLACA CON TORTA INF	D1	
PISO 2	F35	42	PLACA CON TORTA INF	D1	
PISO 2	F54	45	PLACA CON TORTA INF	D1	
PISO 2	F60	38	PLACA CON TORTA INF	D1	
PISO 2	F61	40	PLACA CON TORTA INF	D1	
PISO 2	F63	75	PLACA CON TORTA INF	D1	
PISO 2	F64	85	PLACA CON TORTA INF	D1	

Table 3.3 - Shell Assignments - Summary (continued)

Story	Label	Unique Name	Section	Diaphragm	Pier
PISO 1	F21	59	PLACA CON TORTA INF	D2	
PISO 1	F8	10	PLACA CON TORTA INF	D2	
PISO 1	F12	53	PLACA CON TORTA INF	D2	
PISO 1	F48	54	PLACA CON TORTA INF	D2	
PISO 1	F27	56	PLACA CON TORTA INF		
PISO 1	F53	23	PLACA CON TORTA INF	D2	
PISO 1	F55	31	PLACA CON TORTA INF	D2	
PISO 1	F62	60	PLACA CON TORTA INF		

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Patterns

Name	Type	Self Weight Multiplier	Auto Load
D	Dead	1	
L	Live	0	
PP	Dead	1	
W	Wind	0	None
GRANIZO	Other	0	
Lr	Roof Live	0	

4.2 Applied Loads

4.2.1 Line Loads

Table 4.2 - Frame Loads - Distributed

Story	Label	Unique Name	Design Type	Load Pattern	LoadType	Direction	Relative Distance Start	Relative Distance End	Absolute Distance Start m	Absolute Distance End m	Force at Start tonf/m	Force at End tonf/m
PISO 3A	B46	400	Beam	D	Force	Gravity	0	1	0	0.7	1.47	1.47
PISO 3A	B34	401	Beam	D	Force	Gravity	0	1	0	5.6	1.47	1.47
PISO 3	B148	65	Beam	D	Force	Gravity	0	1	0	0.7	1.47	1.47
PISO 3	B161	73	Beam	D	Force	Gravity	0	1	0	5.6	1.47	1.47
PISO 3A	B46	400	Beam	L	Force	Gravity	0	1	0	0.7	1.045	1.045
PISO 3A	B34	401	Beam	L	Force	Gravity	0	1	0	5.6	1.045	1.045
PISO 3	B148	65	Beam	L	Force	Gravity	0	1	0	0.7	1.045	1.045
PISO 3	B161	73	Beam	L	Force	Gravity	0	1	0	5.6	1.045	1.045

4.2.2 Area Loads

Table 4.3 - Shell Loads - Uniform

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m²
CUB	F1	17	D	Gravity	0.37
CUB	F3	22	D	Gravity	0.37
CUB	F31	98	D	Gravity	0.37
CUB	F37	52	D	Gravity	0.37
CUB	F40	99	D	Gravity	0.37
CUB	F5	41	D	Gravity	0.37
CUB	F16	118	D	Gravity	0.37
CUB	F33	119	D	Gravity	0.37

Table 4.3 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m <sup>2</sup>
CUB	F41	123	D	Gravity	0.37
CUB	F55	116	D	Gravity	0.37
CUB	F57	121	D	Gravity	0.37
PISO 3A	F45	125	D	Gravity	0.3
PISO 3	F6	78	D	Gravity	0.16
PISO 3	F9	80	D	Gravity	0.16
PISO 3	F10	87	D	Gravity	0.16
PISO 3	F11	88	D	Gravity	0.16
PISO 3	F15	89	D	Gravity	0.16
PISO 3	F17	90	D	Gravity	0.16
PISO 3	F20	91	D	Gravity	0.16
PISO 3	F26	92	D	Gravity	0.16
PISO 3	F29	93	D	Gravity	0.16
PISO 3	F31	94	D	Gravity	0.16
PISO 3	F42	9	D	Gravity	0.23
PISO 3	F39	37	D	Gravity	0.375
PISO 3	F43	48	D	Gravity	0.375
PISO 3	F43	48	D	Gravity	0.04
PISO 3	F46	50	D	Gravity	0.375
PISO 3	F56	100	D	Gravity	0.235
PISO 2	F19	46	D	Gravity	0.295
PISO 2	F30	77	D	Gravity	0.375
PISO 2	F32	79	D	Gravity	0.375
PISO 2	F1	16	D	Gravity	0.3
PISO 2	F6	15	D	Gravity	0.16
PISO 2	F9	44	D	Gravity	0.16
PISO 2	F10	47	D	Gravity	0.16
PISO 2	F11	49	D	Gravity	0.16
PISO 2	F15	51	D	Gravity	0.16
PISO 2	F17	55	D	Gravity	0.16
PISO 2	F20	57	D	Gravity	0.16
PISO 2	F26	58	D	Gravity	0.16
PISO 2	F29	61	D	Gravity	0.16
PISO 2	F31	76	D	Gravity	0.16
PISO 2	F50	128	D	Gravity	0.15
PISO 2	F7	11	D	Gravity	0.295
PISO 2	F23	12	D	Gravity	0.295
PISO 2	F35	42	D	Gravity	0.235
PISO 2	F54	45	D	Gravity	0.295
PISO 2	F60	38	D	Gravity	0.295
PISO 2	F61	40	D	Gravity	0.235
PISO 2	F63	75	D	Gravity	0.295
PISO 2	F64	85	D	Gravity	0.295
PISO 1	F21	59	D	Gravity	0.295
PISO 1	F8	10	D	Gravity	0.3

Table 4.3 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m <sup>2</sup>
PISO 1	F12	53	D	Gravity	0.295
PISO 1	F48	54	D	Gravity	0.295
PISO 1	F27	56	D	Gravity	0.3
PISO 1	F53	23	D	Gravity	0.3
PISO 1	F55	31	D	Gravity	0.3
PISO 1	F62	60	D	Gravity	0.3
CUB	F1	17	L	Gravity	0
CUB	F3	22	L	Gravity	0
CUB	F31	98	L	Gravity	0
CUB	F37	52	L	Gravity	0
CUB	F5	41	L	Gravity	0
CUB	F16	118	L	Gravity	0
CUB	F33	119	L	Gravity	0
CUB	F41	123	L	Gravity	0
CUB	F55	116	L	Gravity	0
CUB	F57	121	L	Gravity	0
PISO 3A	F45	125	L	Gravity	0.5
PISO 3	F6	78	L	Gravity	0.5
PISO 3	F9	80	L	Gravity	0.5
PISO 3	F10	87	L	Gravity	0.5
PISO 3	F11	88	L	Gravity	0.5
PISO 3	F15	89	L	Gravity	0.5
PISO 3	F17	90	L	Gravity	0.5
PISO 3	F20	91	L	Gravity	0.5
PISO 3	F26	92	L	Gravity	0.5
PISO 3	F29	93	L	Gravity	0.5
PISO 3	F31	94	L	Gravity	0.5
PISO 3	F42	9	L	Gravity	0.5
PISO 3	F22	29	L	Gravity	0.5
PISO 3	F28	30	L	Gravity	0.5
PISO 3	F36	34	L	Gravity	0.5
PISO 3	F39	37	L	Gravity	0.2
PISO 3	F43	48	L	Gravity	0.2
PISO 3	F46	50	L	Gravity	0.2
PISO 3	F56	100	L	Gravity	0.5
PISO 3	F58	13	L	Gravity	0.5
PISO 3	F59	14	L	Gravity	0.5
PISO 2	F19	46	L	Gravity	0.2
PISO 2	F30	77	L	Gravity	0.2
PISO 2	F32	79	L	Gravity	0.2
PISO 2	F1	16	L	Gravity	0.5
PISO 2	F6	15	L	Gravity	0.5
PISO 2	F9	44	L	Gravity	0.5
PISO 2	F10	47	L	Gravity	0.5
PISO 2	F11	49	L	Gravity	0.5

Table 4.3 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m <sup>2</sup>
PISO 2	F15	51	L	Gravity	0.5
PISO 2	F17	55	L	Gravity	0.5
PISO 2	F20	57	L	Gravity	0.5
PISO 2	F26	58	L	Gravity	0.5
PISO 2	F29	61	L	Gravity	0.5
PISO 2	F31	76	L	Gravity	0.5
PISO 2	F50	128	L	Gravity	0.5
PISO 2	F7	11	L	Gravity	0.2
PISO 2	F23	12	L	Gravity	0.5
PISO 2	F35	42	L	Gravity	0.5
PISO 2	F54	45	L	Gravity	0.2
PISO 2	F60	38	L	Gravity	0.5
PISO 2	F61	40	L	Gravity	0.5
PISO 2	F63	75	L	Gravity	0.2
PISO 2	F64	85	L	Gravity	0.2
PISO 1	F21	59	L	Gravity	0.5
PISO 1	F8	10	L	Gravity	0.5
PISO 1	F12	53	L	Gravity	0.5
PISO 1	F48	54	L	Gravity	0.5
PISO 1	F27	56	L	Gravity	0.5
PISO 1	F53	23	L	Gravity	0.5
PISO 1	F55	31	L	Gravity	0.5
PISO 1	F62	60	L	Gravity	0.5
CUB	F37	52	GRANIZO	Gravity	0.1
CUB	F5	41	GRANIZO	Gravity	0.1
CUB	F16	118	GRANIZO	Gravity	0.1
CUB	F33	119	GRANIZO	Gravity	0.1
CUB	F41	123	GRANIZO	Gravity	0.1
CUB	F55	116	GRANIZO	Gravity	0.1
CUB	F57	121	GRANIZO	Gravity	0.1
CUB	F1	17	Lr	Gravity	0.5
CUB	F3	22	Lr	Gravity	0.5
CUB	F31	98	Lr	Gravity	0.5
CUB	F37	52	Lr	Gravity	0.5
CUB	F5	41	Lr	Gravity	0.5
CUB	F16	118	Lr	Gravity	0.5
CUB	F33	119	Lr	Gravity	0.5
CUB	F41	123	Lr	Gravity	0.5
CUB	F55	116	Lr	Gravity	0.5
CUB	F57	121	Lr	Gravity	0.5

## 4.3 Functions

## 4.3.1 Response Spectrum Functions

Table 4.4 - Response Spectrum Function - User

Name	Period sec	Acceleration	Damping %
PIEDEMONTÉ B	0	0.914	5
PIEDEMONTÉ B	0.05	0.914	
PIEDEMONTÉ B	0.1	0.914	
PIEDEMONTÉ B	0.15	0.914	
PIEDEMONTÉ B	0.2	0.914	
PIEDEMONTÉ B	0.25	0.914	
PIEDEMONTÉ B	0.3	0.914	
PIEDEMONTÉ B	0.35	0.914	
PIEDEMONTÉ B	0.4	0.914	
PIEDEMONTÉ B	0.45	0.914	
PIEDEMONTÉ B	0.5	0.914	
PIEDEMONTÉ B	0.55	0.914	
PIEDEMONTÉ B	0.6	0.85	
PIEDEMONTÉ B	0.65	0.785	
PIEDEMONTÉ B	0.7	0.729	
PIEDEMONTÉ B	0.75	0.68	
PIEDEMONTÉ B	0.8	0.638	
PIEDEMONTÉ B	0.85	0.6	
PIEDEMONTÉ B	0.9	0.567	
PIEDEMONTÉ B	0.95	0.537	
PIEDEMONTÉ B	1	0.51	
PIEDEMONTÉ B	1.05	0.486	
PIEDEMONTÉ B	1.1	0.464	
PIEDEMONTÉ B	1.15	0.443	
PIEDEMONTÉ B	1.2	0.425	
PIEDEMONTÉ B	1.25	0.408	
PIEDEMONTÉ B	1.3	0.392	
PIEDEMONTÉ B	1.35	0.378	
PIEDEMONTÉ B	1.4	0.364	
PIEDEMONTÉ B	1.45	0.352	
PIEDEMONTÉ B	1.5	0.34	
PIEDEMONTÉ B	1.55	0.329	
PIEDEMONTÉ B	1.6	0.319	
PIEDEMONTÉ B	1.65	0.309	
PIEDEMONTÉ B	1.7	0.3	
PIEDEMONTÉ B	1.75	0.291	
PIEDEMONTÉ B	1.8	0.283	
PIEDEMONTÉ B	1.85	0.276	
PIEDEMONTÉ B	1.9	0.268	
PIEDEMONTÉ B	1.95	0.262	
PIEDEMONTÉ B	2	0.255	
PIEDEMONTÉ B	2.05	0.249	
PIEDEMONTÉ B	2.1	0.243	
PIEDEMONTÉ B	2.15	0.237	

Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
PIEDEMONTÉ B	2.2	0.232	
PIEDEMONTÉ B	2.25	0.227	
PIEDEMONTÉ B	2.3	0.222	
PIEDEMONTÉ B	2.35	0.217	
PIEDEMONTÉ B	2.4	0.213	
PIEDEMONTÉ B	2.45	0.208	
PIEDEMONTÉ B	2.5	0.204	
PIEDEMONTÉ B	2.55	0.2	
PIEDEMONTÉ B	2.6	0.196	
PIEDEMONTÉ B	2.65	0.192	
PIEDEMONTÉ B	2.7	0.189	
PIEDEMONTÉ B	2.75	0.185	
PIEDEMONTÉ B	2.8	0.182	
PIEDEMONTÉ B	2.85	0.179	
PIEDEMONTÉ B	2.9	0.176	
PIEDEMONTÉ B	2.95	0.173	
PIEDEMONTÉ B	3	0.17	
PIEDEMONTÉ B	3.05	0.164	
PIEDEMONTÉ B	3.1	0.159	
PIEDEMONTÉ B	3.15	0.154	
PIEDEMONTÉ B	3.2	0.149	
PIEDEMONTÉ B	3.25	0.145	
PIEDEMONTÉ B	3.3	0.14	
PIEDEMONTÉ B	3.35	0.136	
PIEDEMONTÉ B	3.4	0.132	
PIEDEMONTÉ B	3.45	0.129	
PIEDEMONTÉ B	3.5	0.125	
PIEDEMONTÉ B	3.55	0.121	
PIEDEMONTÉ B	3.6	0.118	
PIEDEMONTÉ B	3.65	0.115	
PIEDEMONTÉ B	3.7	0.112	
PIEDEMONTÉ B	3.75	0.109	
PIEDEMONTÉ B	3.8	0.106	
PIEDEMONTÉ B	3.85	0.103	
PIEDEMONTÉ B	3.9	0.101	
PIEDEMONTÉ B	3.95	0.098	
PIEDEMONTÉ B	4	0.096	
PIEDEMONTÉ B	4.05	0.093	
PIEDEMONTÉ B	4.1	0.091	
PIEDEMONTÉ B	4.15	0.089	
PIEDEMONTÉ B	4.2	0.087	
PIEDEMONTÉ B	4.25	0.085	
PIEDEMONTÉ B	4.3	0.083	
PIEDEMONTÉ B	4.35	0.081	
PIEDEMONTÉ B	4.4	0.079	

Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
PIEDEMONTÉ B	4.45	0.077	
PIEDEMONTÉ B	4.5	0.076	
PIEDEMONTÉ B	4.55	0.074	
PIEDEMONTÉ B	4.6	0.072	
PIEDEMONTÉ B	4.65	0.071	
PIEDEMONTÉ B	4.7	0.069	
PIEDEMONTÉ B	4.75	0.068	
PIEDEMONTÉ B	4.8	0.066	
PIEDEMONTÉ B	4.85	0.065	
PIEDEMONTÉ B	4.9	0.064	
PIEDEMONTÉ B	4.95	0.062	
PIEDEMONTÉ B	5	0.061	
PIEDEMONTÉ B	5.05	0.06	
PIEDEMONTÉ B	5.1	0.059	
PIEDEMONTÉ B	5.15	0.058	
PIEDEMONTÉ B	5.2	0.057	
PIEDEMONTÉ B	5.25	0.056	
PIEDEMONTÉ B	5.3	0.054	
PIEDEMONTÉ B	5.35	0.053	
PIEDEMONTÉ B	5.4	0.052	
PIEDEMONTÉ B	5.45	0.052	
PIEDEMONTÉ B	5.5	0.051	
PIEDEMONTÉ B	5.55	0.05	
PIEDEMONTÉ B	5.6	0.049	
PIEDEMONTÉ B	5.65	0.048	
PIEDEMONTÉ B	5.7	0.047	
PIEDEMONTÉ B	5.75	0.046	
PIEDEMONTÉ B	5.8	0.045	
PIEDEMONTÉ B	5.85	0.045	
PIEDEMONTÉ B	5.9	0.044	
PIEDEMONTÉ B	5.95	0.043	
PIEDEMONTÉ B	6	0.043	
PIEDEMONTÉ B	6.05	0.042	
PIEDEMONTÉ B	6.1	0.041	
PIEDEMONTÉ B	6.15	0.04	
PIEDEMONTÉ B	6.2	0.04	
PIEDEMONTÉ B	6.25	0.039	
PIEDEMONTÉ B	6.3	0.039	
PIEDEMONTÉ B	6.35	0.038	
PIEDEMONTÉ B	6.4	0.037	
PIEDEMONTÉ B	6.45	0.037	
PIEDEMONTÉ B	6.5	0.036	
PIEDEMONTÉ B	6.55	0.036	
PIEDEMONTÉ B	6.6	0.035	
PIEDEMONTÉ B	6.65	0.035	



Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
PIEDEMONT B	6.7	0.034	
PIEDEMONT B	6.75	0.034	
PIEDEMONT B	6.8	0.033	
PIEDEMONT B	6.85	0.033	
PIEDEMONT B	6.9	0.032	
PIEDEMONT B	6.95	0.032	
PIEDEMONT B	7	0.031	
PIEDEMONT B	7.05	0.031	
PIEDEMONT B	7.1	0.03	
PIEDEMONT B	7.15	0.03	
PIEDEMONT B	7.2	0.03	
PIEDEMONT B	7.25	0.029	
PIEDEMONT B	7.3	0.029	
PIEDEMONT B	7.35	0.028	
PIEDEMONT B	7.4	0.028	
PIEDEMONT B	7.45	0.028	
PIEDEMONT B	7.5	0.027	
PIEDEMONT B	7.55	0.027	
PIEDEMONT B	7.6	0.026	

## 4.4 Load Cases

Table 4.5 - Load Cases - Summary

Name	Type
DL	Linear Static
Live	Linear Static
EQX	Response Spectrum
EQY	Response Spectrum
PP	Linear Static
W	Linear Static
GRANIZO	Linear Static
Lr	Linear Static

## 4.5 Load Combinations

Table 4.6 - Load Combinations

Name	Load Case/Combo	Scale Factor	Type	Auto
EX	EQX	0.247	Linear Add	No
EY	EQY	0.33	Linear Add	No
1.2D+L	DL	1.2	Linear Add	No
1.2D+L	Live	1		No
DERX1	EQX	0.8	Linear Add	No
DERX1	DL	1		No
DERX2	EQX	-0.8	Linear Add	No
DERX2	D	1		No

Table 4.6 - Load Combinations (continued)

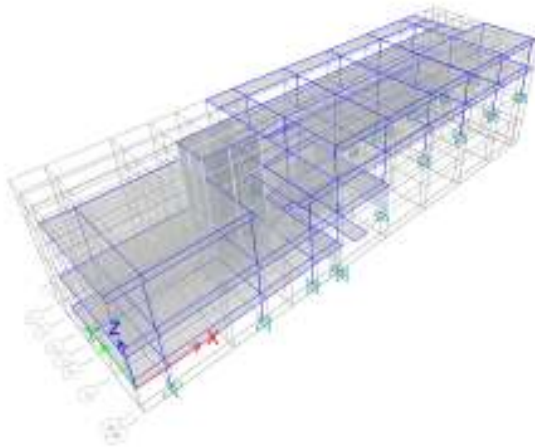
Name	Load Case/Combo	Scale Factor	Type	Auto
DERX3	D	0.6	Linear Add	No
DERX3	EQX	0.8		No
DERX4	D	0.6	Linear Add	No
DERX4	EQX	-0.8		No
DERY1	EQY	0.8	Linear Add	No
DERY1	D	1		No
DERY2	EQY	-0.8	Linear Add	No
DERY2	D	1		No
DERY3	D	0.6	Linear Add	No
DERY3	EQY	0.8		No
DERY4	D	0.6	Linear Add	No
DERY4	EQY	-0.8		No
1.4D	DL	1.4	Linear Add	No
1.2D+1.6L+0.5G	DL	1.2	Linear Add	No
1.2D+1.6L+0.5G	Live	1.6		No
1.2D+1.6L+0.5G	GRANIZO	0.5		No
1.2D+L+EX+.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX+.3EY	EX	1		No
1.2D+L+EX+.3EY	EY	0.3		No
1.2D+L+EX-.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX-.3EY	EX	1		No
1.2D+L+EX-.3EY	EY	-0.3		No
1.2D+L+EX-.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX-.3EY	EX	-1		No
1.2D+L+EX-.3EY	EY	-0.3		No
1.2D+L+EX+.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX+.3EY	EX	-1		No
1.2D+L+EX+.3EY	EY	0.3		No
1.2D+L+EY+0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY+0.3EX	EY	1		No
1.2D+L+EY+0.3EX	EX	0.3		No
1.2D+L+EY-0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY-0.3EX	EY	1		No
1.2D+L+EY-0.3EX	EX	-0.3		No
1.2D+L+EY-0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY-0.3EX	EY	-1		No
1.2D+L+EY-0.3EX	EX	-0.3		No
1.2D+L+EY+0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY+0.3EX	EY	-1		No
1.2D+L+EY+0.3EX	EX	0.3		No
0.9D+EX+.3EY	DL	0.9	Linear Add	No
0.9D+EX+.3EY	EX	1		No
0.9D+EX+.3EY	EY	0.3		No
0.9D+EX-.3EY	DL	0.9	Linear Add	No
0.9D+EX-.3EY	EX	1		No

Table 4.6 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
0.9D+EX-.3EY	EY	-0.3		No
0.9D-EX-0.3EY	DL	0.9	Linear Add	No
0.9D-EX-0.3EY	EX	-1		No
0.9D-EX-0.3EY	EY	-0.3		No
0.9D-EX+.3EY	DL	0.9	Linear Add	No
0.9D-EX+.3EY	EX	-1		No
0.9D-EX+.3EY	EY	0.3		No
0.9D+EY+.3EX	DL	0.9	Linear Add	No
0.9D+EY+.3EX	EY	1		No
0.9D+EY+.3EX	EX	0.3		No
0.9D+EY-.3EX	DL	0.9	Linear Add	No
0.9D+EY-.3EX	EY	1		No
0.9D+EY-.3EX	EX	-0.3		No
0.9D-EY-0.3EX	DL	0.9	Linear Add	No
0.9D-EY-0.3EX	EY	-1		No
0.9D-EY-0.3EX	EX	-0.3		No
0.9D-EY+.3EX	DL	0.9	Linear Add	No
0.9D-EY+.3EX	EY	-1		No
0.9D-EY+.3EX	EX	0.3		No
D+L	DL	0.9103	Linear Add	No
D+L	Live	1		No
D+.7EX	EX	0.7	Linear Add	No
D+.7EX	DL	0.9103		No
D-.7EX	EX	-0.7	Linear Add	No
D-.7EX	DL	0.9103		No
D+0.75(L+0.7EX)	DL	0.9103	Linear Add	No
D+0.75(L+0.7EX)	Live	0.75		No
D+0.75(L+0.7EX)	EX	0.525		No
D+0.75(L-0.7EX)	DL	0.9103	Linear Add	No
D+0.75(L-0.7EX)	Live	0.75		No
D+0.75(L-0.7EX)	EX	-0.525		No
D+.7EY	EY	0.7	Linear Add	No
D+.7EY	DL	0.9103		No
D-.7EY	EY	-0.7	Linear Add	No
D-.7EY	DL	0.9103		No
D+0.75(L+0.7EY)	DL	0.9103	Linear Add	No
D+0.75(L+0.7EY)	Live	0.75		No
D+0.75(L+0.7EY)	EY	0.525		No
D+0.75(L-0.7EY)	DL	0.9103	Linear Add	No
D+0.75(L-0.7EY)	Live	0.75		No
D+0.75(L-0.7EY)	EY	-0.525		No
ENVE CIM	D+L	1	Envelope	No
ENVE CIM	D+.7EX	1		No
ENVE CIM	D-.7EX	1		No
ENVE CIM	D+.7EY	1		No

Table 4.6 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
ENVE CIM	D-.7EY	1		No
ENVE CIM	D+0.75(L+0.7EX)	1		No
ENVE CIM	D+0.75(L-0.7EX)	1		No
ENVE CIM	D+0.75(L+0.7EY)	1		No
ENVE CIM	D+0.75(L-0.7EY)	1		No
ENVE CIM	D	1		No
1.2D+L+0.5G	DL	1.2	Linear Add	No
1.2D+L+0.5G	Live	1		No
1.2D+L+0.5G	GRANIZO	0.5		No
1.2D+L+1.6G	DL	1.2	Linear Add	No
1.2D+L+1.6G	Live	1		No
1.2D+L+1.6G	GRANIZO	1.6		No
D	DL	1	Linear Add	No
ENVE DISEÑO	1.4D	1	Envelope	No
ENVE DISEÑO	1.2D+1.6L+0.5G	1		No
ENVE DISEÑO	1.2D+L+0.5G	1		No
ENVE DISEÑO	1.2D+L+1.6G	1		No
ENVE DISEÑO	1.2D+L+EX+.3EY	1		No
ENVE DISEÑO	1.2D+L+EX-.3EY	1		No
ENVE DISEÑO	1.2D+L-EX-.3EY	1		No
ENVE DISEÑO	1.2D+L-EX+.3EY	1		No
ENVE DISEÑO	1.2D+L+EY+0.3EX	1		No
ENVE DISEÑO	1.2D+L+EY-0.3EX	1		No
ENVE DISEÑO	1.2D+L-EY+0.3EX	1		No
ENVE DISEÑO	1.2D+L-EY-0.3EX	1		No
ENVE DISEÑO	0.9D+EX+.3EY	1		No
ENVE DISEÑO	0.9D+EX-.3EY	1		No
ENVE DISEÑO	0.9D-EX-0.3EY	1		No
ENVE DISEÑO	0.9D-EX+.3EY	1		No
ENVE DISEÑO	0.9D+EY+.3EX	1		No
ENVE DISEÑO	0.9D+EY-.3EX	1		No
ENVE DISEÑO	0.9D-EY-0.3EX	1		No
ENVE DISEÑO	0.9D-EY+.3EX	1		No
ENVE DISEÑO	1.2D+L+W+0.5G	1		No
ENVE DISEÑO	0.9D+W	1		No
1.2D+L+W+0.5G	DL	1.2	Linear Add	No
1.2D+L+W+0.5G	Live	1		No
1.2D+L+W+0.5G	W	1		No
1.2D+L+W+0.5G	GRANIZO	0.5		No
0.9D+W	DL	0.9	Linear Add	No
0.9D+W	W	1		No
DSID1	DL	1	Linear Add	Yes
DSID2	DL	1	Linear Add	Yes
DSID2	Live	1		No



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## PARAMETROS SISMICOS MODULO 1

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## 1 Structure Data

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

### 1.1 Mass

Table 1.1 - Mass Source

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

Table 1.2 - Mass Summary by Story

Story	UX tonf-s <sup>2</sup> /m	UY tonf-s <sup>2</sup> /m	UZ tonf-s <sup>2</sup> /m
CUB	38.12717	38.12717	0
PISO 3A	12.29428	12.29428	0
PISO 3	39.71615	39.71615	0
PISO 2	37.45875	37.45875	0
PISO 1	26.85735	26.85735	0
Base	3.82097	3.82097	0

## 2 Loads

This chapter provides loading information as applied to the model.

### 2.1 Load Patterns

Table 2.1 - Load Patterns

Name	Type	Self Weight Multiplier
D	Dead	1

### 2.2 Functions

#### 2.2.1 Response Spectrum Functions

Table 2.2 - Response Spectrum Function - User

Name	Period sec	Acceleration	Damping %
PIEDEMONTE B	0	0.914	5
PIEDEMONTE B	0.05	0.914	
PIEDEMONTE B	0.1	0.914	
PIEDEMONTE B	0.15	0.914	
PIEDEMONTE B	0.2	0.914	
PIEDEMONTE B	0.25	0.914	
PIEDEMONTE B	0.3	0.914	
PIEDEMONTE B	0.35	0.914	
PIEDEMONTE B	0.4	0.914	
PIEDEMONTE B	0.45	0.914	
PIEDEMONTE B	0.5	0.914	
PIEDEMONTE B	0.55	0.914	
PIEDEMONTE B	0.6	0.85	
PIEDEMONTE B	0.65	0.785	
PIEDEMONTE B	0.7	0.729	
PIEDEMONTE B	0.75	0.68	
PIEDEMONTE B	0.8	0.638	
PIEDEMONTE B	0.85	0.6	
PIEDEMONTE B	0.9	0.567	
PIEDEMONTE B	0.95	0.537	
PIEDEMONTE B	1	0.51	
PIEDEMONTE B	1.05	0.486	
PIEDEMONTE B	1.1	0.464	
PIEDEMONTE B	1.15	0.443	
PIEDEMONTE B	1.2	0.425	
PIEDEMONTE B	1.25	0.408	
PIEDEMONTE B	1.3	0.392	
PIEDEMONTE B	1.35	0.378	
PIEDEMONTE B	1.4	0.364	
PIEDEMONTE B	1.45	0.352	
PIEDEMONTE B	1.5	0.34	
PIEDEMONTE B	1.55	0.329	

Table 2.2 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
PIEDEMONTE B	1.6	0.319	
PIEDEMONTE B	1.65	0.309	
PIEDEMONTE B	1.7	0.3	
PIEDEMONTE B	1.75	0.291	
PIEDEMONTE B	1.8	0.283	
PIEDEMONTE B	1.85	0.276	
PIEDEMONTE B	1.9	0.268	
PIEDEMONTE B	1.95	0.262	
PIEDEMONTE B	2	0.255	
PIEDEMONTE B	2.05	0.249	
PIEDEMONTE B	2.1	0.243	
PIEDEMONTE B	2.15	0.237	
PIEDEMONTE B	2.2	0.232	
PIEDEMONTE B	2.25	0.227	
PIEDEMONTE B	2.3	0.222	
PIEDEMONTE B	2.35	0.217	
PIEDEMONTE B	2.4	0.213	
PIEDEMONTE B	2.45	0.208	
PIEDEMONTE B	2.5	0.204	
PIEDEMONTE B	2.55	0.2	
PIEDEMONTE B	2.6	0.196	
PIEDEMONTE B	2.65	0.192	
PIEDEMONTE B	2.7	0.189	
PIEDEMONTE B	2.75	0.185	
PIEDEMONTE B	2.8	0.182	
PIEDEMONTE B	2.85	0.179	
PIEDEMONTE B	2.9	0.176	
PIEDEMONTE B	2.95	0.173	
PIEDEMONTE B	3	0.17	
PIEDEMONTE B	3.05	0.164	
PIEDEMONTE B	3.1	0.159	
PIEDEMONTE B	3.15	0.154	
PIEDEMONTE B	3.2	0.149	
PIEDEMONTE B	3.25	0.145	
PIEDEMONTE B	3.3	0.14	
PIEDEMONTE B	3.35	0.136	
PIEDEMONTE B	3.4	0.132	
PIEDEMONTE B	3.45	0.129	
PIEDEMONTE B	3.5	0.125	
PIEDEMONTE B	3.55	0.121	
PIEDEMONTE B	3.6	0.118	
PIEDEMONTE B	3.65	0.115	
PIEDEMONTE B	3.7	0.112	
PIEDEMONTE B	3.75	0.109	
PIEDEMONTE B	3.8	0.106	

Table 2.2 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
PIEDEMONT B	3.85	0.103	
PIEDEMONT B	3.9	0.101	
PIEDEMONT B	3.95	0.098	
PIEDEMONT B	4	0.096	
PIEDEMONT B	4.05	0.093	
PIEDEMONT B	4.1	0.091	
PIEDEMONT B	4.15	0.089	
PIEDEMONT B	4.2	0.087	
PIEDEMONT B	4.25	0.085	
PIEDEMONT B	4.3	0.083	
PIEDEMONT B	4.35	0.081	
PIEDEMONT B	4.4	0.079	
PIEDEMONT B	4.45	0.077	
PIEDEMONT B	4.5	0.076	
PIEDEMONT B	4.55	0.074	
PIEDEMONT B	4.6	0.072	
PIEDEMONT B	4.65	0.071	
PIEDEMONT B	4.7	0.069	
PIEDEMONT B	4.75	0.068	
PIEDEMONT B	4.8	0.066	
PIEDEMONT B	4.85	0.065	
PIEDEMONT B	4.9	0.064	
PIEDEMONT B	4.95	0.062	
PIEDEMONT B	5	0.061	
PIEDEMONT B	5.05	0.06	
PIEDEMONT B	5.1	0.059	
PIEDEMONT B	5.15	0.058	
PIEDEMONT B	5.2	0.057	
PIEDEMONT B	5.25	0.056	
PIEDEMONT B	5.3	0.054	
PIEDEMONT B	5.35	0.053	
PIEDEMONT B	5.4	0.052	
PIEDEMONT B	5.45	0.052	
PIEDEMONT B	5.5	0.051	
PIEDEMONT B	5.55	0.05	
PIEDEMONT B	5.6	0.049	
PIEDEMONT B	5.65	0.048	
PIEDEMONT B	5.7	0.047	
PIEDEMONT B	5.75	0.046	
PIEDEMONT B	5.8	0.045	
PIEDEMONT B	5.85	0.045	
PIEDEMONT B	5.9	0.044	
PIEDEMONT B	5.95	0.043	
PIEDEMONT B	6	0.043	
PIEDEMONT B	6.05	0.042	

Table 2.2 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
PIEDEMONT B	6.1	0.041	
PIEDEMONT B	6.15	0.04	
PIEDEMONT B	6.2	0.04	
PIEDEMONT B	6.25	0.039	
PIEDEMONT B	6.3	0.039	
PIEDEMONT B	6.35	0.038	
PIEDEMONT B	6.4	0.037	
PIEDEMONT B	6.45	0.037	
PIEDEMONT B	6.5	0.036	
PIEDEMONT B	6.55	0.036	
PIEDEMONT B	6.6	0.035	
PIEDEMONT B	6.65	0.035	
PIEDEMONT B	6.7	0.034	
PIEDEMONT B	6.75	0.034	
PIEDEMONT B	6.8	0.033	
PIEDEMONT B	6.85	0.033	
PIEDEMONT B	6.9	0.032	
PIEDEMONT B	6.95	0.032	
PIEDEMONT B	7	0.031	
PIEDEMONT B	7.05	0.031	
PIEDEMONT B	7.1	0.03	
PIEDEMONT B	7.15	0.03	
PIEDEMONT B	7.2	0.03	
PIEDEMONT B	7.25	0.029	
PIEDEMONT B	7.3	0.029	
PIEDEMONT B	7.35	0.028	
PIEDEMONT B	7.4	0.028	
PIEDEMONT B	7.45	0.028	
PIEDEMONT B	7.5	0.027	
PIEDEMONT B	7.55	0.027	
PIEDEMONT B	7.6	0.026	

## 2.3 Load Cases

Table 2.3 - Load Cases - Static - Linear

Name	Stiffness From	Mass Source	Load Type	Load Name	Scale Factor	Design Load Type
DL	Preset P-delta	MsSrc1	Load Pattern	D	1	Program Determined
Live	Preset P-delta	MsSrc1	Load Pattern	L	0.5	Program Determined
PP	Preset P-delta	MsSrc1	Load Pattern	PP	1	Other
W	Preset P-delta	MsSrc1	Load Pattern	W	1	Other
GRANIZO	Preset P-delta	MsSrc1	Load Pattern	GRANIZO	1	Other
Lr	Preset P-delta	MsSrc1	Load Pattern	Lr	1	Program Determined

Table 2.4 - Load Cases - Modal - Eigen

Name	Stiffness From	Mass Source	Max Number Modes	Min Number Modes	Frequency Shift cyc/sec	Cutoff Frequency cyc/sec	Convergence Tolerance	Auto Shift?	Design Load Type
Modal	Preset P-delta	MsSrc1	45	1	0	0	0	Yes	Program Determined

Table 2.5 - Load Cases - Response Spectrum (Part 1 of 2)

Name	Mass Source	Load Type	Load Name	Function	Scale Factor	Coordinate System	Angle deg	Modal Case	Modal Combination Method
EQX	Previous (MsSrc1)	Acceleration	U1	PIEDEMONT E B	12.3606	Global	0	Modal	CQC
EQY	Previous (MsSrc1)	Acceleration	U2	PIEDEMONT E B	14.4207	Global	0	Modal	CQC

Table 2.5 - Load Cases - Response Spectrum (Part 2 of 2)

Name	Include Rigid Response	Directional Combination Method	Design Load Type	Eccentricity Ratio	Eccentricity Overrides	Constant Damping
EQX	No	SRSS	Other	0	No	0.05
EQY	No	SRSS	Other	0	No	0.05

Table 2.6 - P-delta Options

Automation Method
None

3 Analysis Results

This chapter provides analysis results.

3.1 Structure Results

Table 3.1 - Base Reactions

Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
Modal 1	152.4245	2310.1749	0	-25832.3386	1729.5136	80428.9672	0	0	-2.8
Modal 2	-1107.521	1571.0004	0	-15779.8888	-11448.6299	19592.4436	0	0	-2.8
Modal 3	-3815.1676	3508.411	0	-31795.3323	-39463.3043	48414.9855	0	0	-2.8
Modal 4	-8691.8357	-2333.0136	0	23946.0006	-92915.0871	62320.9601	0	0	-2.8
Modal 5	3292.2304	2387.93	0	-12028.7884	35821.1774	34279.9719	0	0	-2.8
Modal 6	-5.7547	3669.8431	0	-22938.5286	-504.4447	133925.1299	0	0	-2.8
Modal 7	-196.0008	-3276.2142	0	23670.4763	-608.002	-172439.5674	0	0	-2.8
Modal 8	3744.3017	-7796.8834	0	27479.663	12602.3303	-35504.9577	0	0	-2.8
Modal 9	693.3258	-2643.9407	0	12464.661	2918.0933	-50206.0153	0	0	-2.8
Modal 10	-3243.6473	9143.8394	0	-31517.3061	-16279.6327	169551.7395	0	0	-2.8
Modal 11	-3840.6964	-10509.8962	0	66196.1034	-17304.9917	-361447.0064	0	0	-2.8
Modal 12	-1629.0003	-270.166	0	21290.8304	-9614.0809	-88573.1727	0	0	-2.8
Modal 13	-5920.9688	-3366.7173	0	35842.334	-16972.8276	-44954.8916	0	0	-2.8
Modal 14	1336.0092	4021.2757	0	-92412.2035	-707.5365	259360.5382	0	0	-2.8
Modal 15	25980.4642	6072.3604	0	-31382.8142	108413.6588	-143966.9136	0	0	-2.8
Modal 16	-5325.5207	13085.58	0	-29794.9295	-27502.2277	254693.805	0	0	-2.8
Modal 17	4635.6235	6352.1136	0	-4784.7296	44739.4869	-66160.1471	0	0	-2.8
Modal 18	13341.0952	-15856.0419	0	75661.9241	52169.4167	-286286.904	0	0	-2.8
Modal 19	-7928.8195	210.7012	0	362.6282	-23595.5969	30830.1284	0	0	-2.8
Modal 20	8088.9682	-297.767	0	856.2103	666.5461	-36853.7318	0	0	-2.8
Modal 21	2154.2607	11861.096	0	-58835.0958	3007.4021	211581.9495	0	0	-2.8
Modal 22	-4946.0179	-45479.2209	0	184139.7552	-26597.9939	-922783.586	0	0	-2.8
Modal 23	-64060.0776	-22397.2192	0	82049.4269	-246445.4227	53533.0696	0	0	-2.8
Modal 24	19921.1991	10661.0331	0	-30968.4995	78996.4079	-25508.3858	0	0	-2.8
Modal 25	32542.4371	-2517.4236	0	12299.3609	104856.5869	-336534.4069	0	0	-2.8
Modal 26	4587.8492	38399.5115	0	-163345.5153	-11593.5932	811593.0669	0	0	-2.8
Modal 27	-10124.1394	-9486.8634	0	40790.4079	-77975.2	-74408.5459	0	0	-2.8
Modal 28	-42121.2785	-5460.9814	0	62021.0082	-82881.977	149295.8214	0	0	-2.8
Modal 29	-16664.5808	-1724.5164	0	-12885.3841	-3615.5145	164194.7975	0	0	-2.8
Modal 30	-1925.5333	22739.5153	0	-33832.2855	4333.3852	362820.6392	0	0	-2.8
Modal 31	-15969.0713	-9644.9254	0	-8999.9029	-19635.3715	53386.3298	0	0	-2.8
Modal 32	70422.3076	40584.5082	0	-14669.6601	82600.4977	-16678.261	0	0	-2.8
Modal 33	12790.855	8203.7533	0	35876.1122	41638.5956	-84151.477	0	0	-2.8
Modal 34	49644.4019	-29866.3711	0	-8575.913	87099.4644	-603065.7562	0	0	-2.8
Modal 35	27296.8399	-34894.2705	0	45470.2758	56099.2681	-702717.7608	0	0	-2.8
Modal 36	1404.8989	-35471.4229	0	78050.2994	53227.5563	-604000.3778	0	0	-2.8
Modal 37	-25488.3279	63250.9068	0	-177712.5632	-89958.486	1366150.6448	0	0	-2.8
Modal 38	-1337.2795	31443.678	0	-103469.8216	-73177.9842	687754.3747	0	0	-2.8
Modal 39	-36800.4985	97032.5643	0	-380296.8001	-146574.5509	2507042.0458	0	0	-2.8
Modal 40	7732.462	-46911.0355	0	153400.5987	7962.2083	-1003976	0	0	-2.8
Modal 41	-15826.6117	35028.3467	0	-145722.7791	-62926.7719	962042.2363	0	0	-2.8

Table 3.1 - Base Reactions (continued)

Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
Modal 42	-38927.5532	-30417.2849	0	-33654.1828	-267882.9002	137445.6286	0	0	-2.8
Modal 43	3795.4063	9776.5895	0	-28734.8744	48777.0611	156552.4927	0	0	-2.8
Modal 44	19377.038	-18417.7644	0	1271.9428	106811.8541	-470536.6724	0	0	-2.8
Modal 45	-25262.5805	-10421.5653	0	70035.5175	-112268.8787	-113545.2673	0	0	-2.8
DL	0	0	1552.1444	9532.7847	-35496.7442	0	0	0	-2.8
EQX Max	1001.3934	298.4021	0	2662.6048	10374.9721	7161.6918	0	0	-2.8
EQY Max	348.1358	1002.4845	0	10490.3319	3540.9368	30261.1296	0	0	-2.8

## 3.2 Modal Results

Table 3.2 - Modal Periods and Frequencies

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad <sup>2</sup> /sec <sup>2</sup>
Modal	1	0.368	2.718	17.0796	291.7124
Modal	2	0.312	3.2	20.1065	404.2719
Modal	3	0.217	4.612	28.9781	839.7282
Modal	4	0.194	5.165	32.4551	1053.3352
Modal	5	0.183	5.461	34.3136	1177.4249
Modal	6	0.119	8.399	52.7723	2784.9116
Modal	7	0.116	8.631	54.2322	2941.1353
Modal	8	0.111	8.999	56.5402	3196.7969
Modal	9	0.107	9.35	58.749	3451.4455
Modal	10	0.103	9.67	60.7562	3691.3192
Modal	11	0.085	11.725	73.6694	5427.1805
Modal	12	0.079	12.668	79.5971	6335.6977
Modal	13	0.075	13.282	83.4525	6964.3175
Modal	14	0.07	14.257	89.5823	8024.9858
Modal	15	0.068	14.696	92.3406	8526.7877
Modal	16	0.062	16.014	100.619	10124.1905
Modal	17	0.059	16.873	106.0145	11239.0725
Modal	18	0.059	17.035	107.0327	11455.9891
Modal	19	0.054	18.685	117.4006	13782.9061
Modal	20	0.051	19.76	124.1571	15414.9769
Modal	21	0.049	20.389	128.1092	16411.9577
Modal	22	0.048	20.962	131.7085	17347.1418
Modal	23	0.046	21.845	137.2574	18839.5924
Modal	24	0.044	22.84	143.5098	20595.0611
Modal	25	0.043	23.4	147.0237	21615.9792
Modal	26	0.041	24.209	152.1077	23136.7628
Modal	27	0.041	24.657	154.9251	24001.7717
Modal	28	0.04	25.275	158.8068	25219.59
Modal	29	0.038	26.462	166.2658	27644.3108
Modal	30	0.035	28.792	180.9032	32725.9746
Modal	31	0.031	32.233	202.5258	41016.6873
Modal	32	0.031	32.386	203.4893	41407.8941

Table 3.2 - Modal Periods and Frequencies (continued)

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad <sup>2</sup> /sec <sup>2</sup>
Modal	33	0.031	32.727	205.6302	42283.7966
Modal	34	0.029	33.907	213.0414	45386.6563
Modal	35	0.029	34.202	214.9	46182.0259
Modal	36	0.028	35.675	224.1552	50245.5616
Modal	37	0.028	35.842	225.2032	50716.4888
Modal	38	0.027	36.417	228.8129	52355.3437
Modal	39	0.027	37.724	237.0295	56182.9632
Modal	40	0.026	38.758	243.5252	59304.5469
Modal	41	0.026	38.866	244.2035	59635.3334
Modal	42	0.025	39.693	249.397	62198.888
Modal	43	0.024	40.838	256.5911	65838.9718
Modal	44	0.024	41.118	258.3515	66745.4825
Modal	45	0.024	42.259	265.5208	70501.3145

Table 3.3 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	1	0.368	0.0018	0.4133	0	0.0018	0.4133	0
Modal	2	0.312	0.0495	0.0995	0	0.0513	0.5129	0
Modal	3	0.217	0.136	0.115	0	0.1873	0.6279	0
Modal	4	0.194	0.4488	0.0323	0	0.6361	0.6602	0
Modal	5	0.183	0.0515	0.0271	0	0.6876	0.6874	0
Modal	6	0.119	0	0.0114	0	0.6876	0.6988	0
Modal	7	0.116	2.927E-05	0.0082	0	0.6876	0.707	0
Modal	8	0.111	0.009	0.0392	0	0.6967	0.7462	0
Modal	9	0.107	0.0003	0.0039	0	0.6969	0.75	0
Modal	10	0.103	0.0051	0.0404	0	0.702	0.7905	0
Modal	11	0.085	0.0033	0.0247	0	0.7053	0.8152	0
Modal	12	0.079	0.0004	1.198E-05	0	0.7058	0.8152	0
Modal	13	0.075	0.0048	0.0015	0	0.7105	0.8168	0
Modal	14	0.07	0.0002	0.0017	0	0.7107	0.8184	0
Modal	15	0.068	0.0612	0.0033	0	0.7719	0.8218	0
Modal	16	0.062	0.0018	0.011	0	0.7737	0.8328	0
Modal	17	0.059	0.0011	0.0021	0	0.7748	0.8349	0
Modal	18	0.059	0.0089	0.0126	0	0.7838	0.8475	0
Modal	19	0.054	0.0022	1.54E-06	0	0.786	0.8475	0
Modal	20	0.051	0.0018	2.459E-06	0	0.7878	0.8475	0
Modal	21	0.049	0.0001	0.0034	0	0.7879	0.8509	0
Modal	22	0.048	0.0005	0.0453	0	0.7884	0.8962	0
Modal	23	0.046	0.0762	0.0093	0	0.8646	0.9056	0
Modal	24	0.044	0.0062	0.0018	0	0.8708	0.9073	0
Modal	25	0.043	0.0149	0.0001	0	0.8857	0.9074	0
Modal	26	0.041	0.0003	0.0182	0	0.886	0.9256	0
Modal	27	0.041	0.0012	0.001	0	0.8872	0.9266	0



Table 3.3 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	28	0.04	0.0184	0.0003	0	0.9055	0.9269	0
Modal	29	0.038	0.0024	2.565E-05	0	0.9079	0.9269	0
Modal	30	0.035	2.282E-05	0.0032	0	0.908	0.9301	0
Modal	31	0.031	0.001	0.0004	0	0.909	0.9305	0
Modal	32	0.031	0.0191	0.0063	0	0.928	0.9368	0
Modal	33	0.031	0.0006	0.0002	0	0.9286	0.9371	0
Modal	34	0.029	0.0079	0.0029	0	0.9365	0.9399	0
Modal	35	0.029	0.0023	0.0038	0	0.9388	0.9437	0
Modal	36	0.028	5.151E-06	0.0033	0	0.9388	0.947	0
Modal	37	0.028	0.0017	0.0103	0	0.9405	0.9572	0
Modal	38	0.027	4.301E-06	0.0024	0	0.9405	0.9596	0
Modal	39	0.027	0.0028	0.0197	0	0.9433	0.9792	0
Modal	40	0.026	0.0001	0.0041	0	0.9434	0.9834	0
Modal	41	0.026	0.0005	0.0023	0	0.9439	0.9856	0
Modal	42	0.025	0.0026	0.0016	0	0.9465	0.9872	0
Modal	43	0.024	2.19E-05	0.0001	0	0.9465	0.9874	0
Modal	44	0.024	0.0006	0.0005	0	0.9471	0.9879	0
Modal	45	0.024	0.0008	0.0001	0	0.9479	0.988	0

Table 3.3 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	1	0.3361	0.0016	0.3415	0.3361	0.0016	0.3415
Modal	2	0.0322	0.0212	0.1169	0.3683	0.0228	0.4585
Modal	3	0.0091	0.0586	0.1545	0.3774	0.0814	0.613
Modal	4	0.013	0.2576	0.1249	0.3904	0.339	0.7379
Modal	5	0.0218	0.0341	0	0.4122	0.3731	0.7379
Modal	6	0.0034	1.527E-05	0.0115	0.4155	0.3732	0.7494
Modal	7	0.0005	0.0001	0.0402	0.4161	0.3732	0.7896
Modal	8	0.0704	0.0174	0.096	0.4865	0.3906	0.8856
Modal	9	0.0038	0.0003	0.0006	0.4903	0.391	0.8863
Modal	10	0.0751	0.0041	0.0093	0.5654	0.3951	0.8955
Modal	11	0.0069	0.0037	0.0254	0.5723	0.3988	0.9209
Modal	12	0.0051	0.0002	0.0076	0.5775	0.3989	0.9285
Modal	13	0.0009	0.0112	1.369E-05	0.5783	0.4101	0.9285
Modal	14	0.0314	0.0012	0.0171	0.6097	0.4113	0.9456
Modal	15	0.0025	0.081	0.0075	0.6122	0.4923	0.9531
Modal	16	0.032	0.0013	0.0021	0.6442	0.4936	0.9552
Modal	17	0.0097	0.0002	0.0095	0.654	0.4939	0.9646
Modal	18	0.012	0.0135	0.0068	0.666	0.5073	0.9714
Modal	19	1.274E-05	0.0049	0.0001	0.666	0.5122	0.9715
Modal	20	5.757E-06	0.01	0.0001	0.666	0.5222	0.9716
Modal	21	0.0029	0.0004	0.0003	0.6689	0.5227	0.9719
Modal	22	0.0638	0.0003	0.0009	0.7327	0.523	0.9728
Modal	23	0.0157	0.1183	0.003	0.7484	0.6413	0.9758

Table 3.3 - Modal Participating Mass Ratios (Part 2 of 2, continued)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	24	0.0041	0.009	0.0018	0.7525	0.6503	0.9776
Modal	25	0.0001	0.0305	0.0005	0.7526	0.6808	0.9781
Modal	26	0.023	0.0025	0.0001	0.7757	0.6833	0.9782
Modal	27	0.0013	1.61E-05	0.0004	0.7769	0.6834	0.9786
Modal	28	0.0003	0.0593	1.361E-05	0.7772	0.7427	0.9786
Modal	29	0.0005	0.0128	0.0005	0.7778	0.7554	0.979
Modal	30	0.0119	0.0002	0.001	0.7897	0.7556	0.98
Modal	31	0.0026	0.004	0.0007	0.7922	0.7597	0.9807
Modal	32	0.0325	0.0785	0.0055	0.8248	0.8381	0.9861
Modal	33	0.0033	0.0012	0.0007	0.8281	0.8394	0.9869
Modal	34	0.0172	0.0272	0.0026	0.8453	0.8666	0.9894
Modal	35	0.0149	0.0072	0.0012	0.8602	0.8738	0.9906
Modal	36	0.0098	0.0004	0.0007	0.87	0.8742	0.9913
Modal	37	0.0246	0.003	0.0008	0.8946	0.8772	0.992
Modal	38	0.0047	0.0008	2.039E-05	0.8993	0.878	0.9921
Modal	39	0.0295	0.0041	4.346E-05	0.9288	0.8821	0.9921
Modal	40	0.0083	0.0005	0.0001	0.9371	0.8826	0.9922
Modal	41	0.003	0.0007	4.084E-05	0.9401	0.8833	0.9923
Modal	42	0.0115	0.0003	0.0033	0.9516	0.8836	0.9955
Modal	43	0.0003	4.235E-05	1.575E-05	0.9519	0.8836	0.9955
Modal	44	0.0028	0.0003	3.887E-05	0.9547	0.884	0.9956
Modal	45	2.358E-05	0.001	6.602E-06	0.9547	0.8849	0.9956

Table 3.4 - Modal Participation Factors

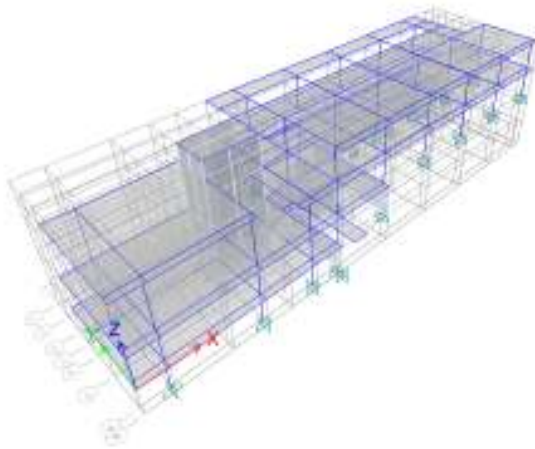
Case	Mode	Period sec	UX tonf-m	UY tonf-m	UZ tonf-m	RX tonf-m	RY tonf-m	RZ tonf-m	Modal Mass tonf-m-s <sup>2</sup>	Modal Stiffness tonf-m
Modal	1	0.368	0.522509	7.919358	0	-24.390529	1.695374	97.808116	1	291.71237
Modal	2	0.312	-2.739536	3.885999	0	-7.548026	-6.123049	-57.228412	1	404.27191
Modal	3	0.217	-4.543336	4.178032	0	-4.012911	-10.184669	-65.790022	1	839.72823
Modal	4	0.194	-8.251728	-2.214882	0	4.788264	-21.353863	59.15492	1	1053.33516
Modal	5	0.183	2.796129	2.028085	0	6.215649	7.768759	-0.099845	1	1177.4249
Modal	6	0.119	-0.002068	1.317763	0	2.439945	-0.164385	17.940105	1	2784.91161
Modal	7	0.116	-0.066641	-1.113928	0	-0.977109	0.333212	-33.564235	1	2941.13528
Modal	8	0.111	1.171266	-2.438969	0	-11.16482	-5.547566	51.863391	1	3196.79686
Modal	9	0.107	0.200877	-0.76603	0	-2.595069	-0.782063	4.206049	1	3451.44549
Modal	10	0.103	-0.878716	2.477118	0	11.531697	2.709242	-16.113623	1	3691.31917
Modal	11	0.085	-0.70769	-1.936527	0	-3.492841	2.545172	-26.656562	1	5427.18046
Modal	12	0.079	-0.257116	-0.042642	0	3.014967	0.565737	-14.583453	1	6335.69768
Modal	13	0.075	-0.850182	-0.483425	0	1.229798	4.451177	-0.619255	1	6964.31751
Modal	14	0.07	0.166485	0.501093	0	-7.455639	-1.437037	21.881422	1	8024.98579
Modal	15	0.068	3.046925	0.71215	0	2.089433	-11.972072	-14.463191	1	8526.78774
Modal	16	0.062	-0.526036	1.29251	0	7.529129	1.545484	-7.63197	1	10124.19047
Modal	17	0.059	0.412453	0.565189	0	4.153481	0.638959	-16.279756	1	11239.07253
Modal	18	0.059	1.164544	-1.384079	0	-4.609416	-4.881386	13.813517	1	11455.98912

Table 3.4 - Modal Participation Factors (continued)

Case	Mode	Period sec	UX tonf-m	UY tonf-m	UZ tonf-m	RX tonf-m	RY tonf-m	RZ tonf-m	Modal Mass tonf-m-s <sup>2</sup>	Modal Stiffness tonf-m
Modal	19	0.054	-0.57527	0.015287	0	0.150162	2.948935	-1.644765	1	13782.90612
Modal	20	0.051	0.524755	-0.019315	0	-0.100946	-4.208351	1.272795	1	15414.97693
Modal	21	0.049	0.131265	0.72271	0	2.270602	-0.880265	-2.830335	1	16411.95773
Modal	22	0.048	-0.285117	-2.621713	0	-10.626441	0.776792	5.012015	1	17347.14176
Modal	23	0.046	-3.400294	-1.188837	0	-5.276951	14.468325	9.152752	1	18839.59238
Modal	24	0.044	0.967281	0.517654	0	2.690392	-4.001334	-7.138125	1	20595.06112
Modal	25	0.043	1.505486	-0.116458	0	-0.374574	-7.346738	-3.661973	1	21615.97925
Modal	26	0.041	0.198291	1.65967	0	6.386868	-2.107674	-1.66072	1	23136.76282
Modal	27	0.041	-0.421808	-0.395252	0	-1.502931	0.168799	3.349501	1	24001.77172
Modal	28	0.04	-1.67018	-0.21654	0	0.70483	10.245599	0.61733	1	25219.59002
Modal	29	0.038	-0.602828	-0.062384	0	-0.97156	4.753385	3.665027	1	27644.31082
Modal	30	0.035	-0.058839	0.694842	0	4.595911	0.609131	-5.165568	1	32725.97462
Modal	31	0.031	-0.389329	-0.235145	0	-2.124598	2.675683	4.288889	1	41016.6873
Modal	32	0.031	1.700698	0.980114	0	7.586738	-11.784464	-12.375739	1	41407.89405
Modal	33	0.031	0.3025	0.19402	0	2.420415	-1.466153	-4.569969	1	42283.79661
Modal	34	0.029	1.093808	-0.65804	0	-5.520484	-6.943127	8.477726	1	45386.65631
Modal	35	0.029	0.591072	-0.755576	0	-5.137206	-3.57419	5.692736	1	46182.02593
Modal	36	0.028	0.027955	-0.705962	0	-4.166417	0.832835	4.295817	1	50245.5616
Modal	37	0.028	-0.502569	1.247148	0	6.600502	2.298109	-4.670513	1	50716.48875
Modal	38	0.027	-0.025546	0.600586	0	2.889707	-1.190753	-0.755691	1	52355.34365
Modal	39	0.027	-0.655011	1.72708	0	7.224121	2.6981	1.103319	1	56182.96317
Modal	40	0.026	0.130388	-0.791016	0	-3.822261	-0.922152	1.961748	1	59304.54689
Modal	41	0.026	-0.265393	0.587376	0	2.315435	1.09504	1.069568	1	59635.33339
Modal	42	0.025	-0.625853	-0.489035	0	-4.503277	0.763869	9.551146	1	62198.88804
Modal	43	0.024	0.057648	0.14849	0	0.766648	0.273788	-0.664233	1	65838.97181
Modal	44	0.024	0.290317	-0.275936	0	-2.216622	-0.751887	1.043423	1	66745.48248
Modal	45	0.024	-0.358324	-0.147821	0	-0.204274	1.310761	-0.430028	1	70501.31448

Table 3.5 - Modal Load Participation Ratios

Case	Item Type	Item	Static %	Dynamic %
Modal	Acceleration	UX	99.97	94.79
Modal	Acceleration	UY	100	98.8
Modal	Acceleration	UZ	0	0



## CONTROL DERIVAS NSR 10

Model File: JARDIN INFANTIL SANTA TERESITA, Revision 1  
9/09/2018

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Table 1.1 Joint Drifts

4

### 1 Analysis Results

This chapter provides analysis results.

#### 1.1 Point Results

Table 1.1 - Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	7	43	DERX1 Max	0.010485	0.007763	0.001369	0.000843
CUB	7	43	DERX1 Min	-0.010052	-0.006677	0.001266	0.0004
CUB	7	43	DERX2 Max	0.010485	0.007763	0.001369	0.000843
CUB	7	43	DERX2 Min	-0.010052	-0.006677	0.001266	0.0004
CUB	7	43	DERX3 Max	0.010399	0.007545	0.001349	0.000755
CUB	7	43	DERX3 Min	-0.010139	-0.006894	0.001286	0.000489
CUB	7	43	DERX4 Max	0.010399	0.007545	0.001349	0.000755
CUB	7	43	DERX4 Min	-0.010139	-0.006894	0.001286	0.000489
CUB	7	43	DERY1 Max	0.011474	0.023747	0.001905	0.00293
CUB	7	43	DERY1 Min	-0.011104	-0.022662	0.001801	0.002487
CUB	7	43	DERY2 Max	0.011474	0.023747	0.001905	0.00293
CUB	7	43	DERY2 Min	-0.011104	-0.022662	0.001801	0.002487
CUB	7	43	DERY3 Max	0.011387	0.02353	0.001884	0.002841
CUB	7	43	DERY3 Min	-0.011127	-0.022879	0.001822	0.002575
CUB	7	43	DERY4 Max	0.011387	0.02353	0.001884	0.002841
CUB	7	43	DERY4 Min	-0.011127	-0.022879	0.001822	0.002575
CUB	8	44	DERX1 Max	0.009303	0.007601	0.000783	0.00065
CUB	8	44	DERX1 Min	-0.00925	-0.006554	0.000701	0.000423
CUB	8	44	DERX2 Max	0.009303	0.007601	0.000783	0.00065
CUB	8	44	DERX2 Min	-0.00925	-0.006554	0.000701	0.000423
CUB	8	44	DERX3 Max	0.009293	0.007391	0.000766	0.000604
CUB	8	44	DERX3 Min	-0.009261	-0.006763	0.000717	0.000469
CUB	8	44	DERX4 Max	0.009293	0.007391	0.000766	0.000604
CUB	8	44	DERX4 Min	-0.009261	-0.006763	0.000717	0.000469
CUB	8	44	DERY1 Max	0.003518	0.023532	0.000321	0.002555
CUB	8	44	DERY1 Min	-0.003466	-0.022485	0.000239	0.002329
CUB	8	44	DERY2 Max	0.003518	0.023532	0.000321	0.002555
CUB	8	44	DERY2 Min	-0.003466	-0.022485	0.000239	0.002329
CUB	8	44	DERY3 Max	0.003508	0.023322	0.000304	0.00251
CUB	8	44	DERY3 Min	-0.003476	-0.022694	0.000255	0.002374
CUB	8	44	DERY4 Max	0.003508	0.023322	0.000304	0.00251
CUB	8	44	DERY4 Min	-0.003476	-0.022694	0.000255	0.002374
CUB	9	45	DERX1 Max	0.009755	0.005642	0.001034	0.000392
CUB	9	45	DERX1 Min	-0.009725	-0.004171	0.001037	0.000261
CUB	9	45	DERX2 Max	0.009755	0.005642	0.001034	0.000392
CUB	9	45	DERX2 Min	-0.009725	-0.004171	0.001037	0.000261
CUB	9	45	DERX3 Max	0.009749	0.005348	0.001035	0.000365
CUB	9	45	DERX3 Min	-0.009731	-0.004465	0.001036	0.000287
CUB	9	45	DERX4 Max	0.009749	0.005348	0.001035	0.000365
CUB	9	45	DERX4 Min	-0.009731	-0.004465	0.001036	0.000287

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	9	45	DERY1 Max	0.003711	0.030945	0.000408	0.003436
CUB	9	45	DERY1 Min	-0.00368	-0.029474	0.00041	0.003305
CUB	9	45	DERY2 Max	0.003711	0.030945	0.000408	0.003436
CUB	9	45	DERY2 Min	-0.00368	-0.029474	0.00041	0.003305
CUB	9	45	DERY3 Max	0.003704	0.030651	0.000408	0.00341
CUB	9	45	DERY3 Min	-0.003686	-0.029768	0.00041	0.003331
CUB	9	45	DERY4 Max	0.003704	0.030651	0.000408	0.00341
CUB	9	45	DERY4 Min	-0.003686	-0.029768	0.00041	0.003331
CUB	10	46	DERX1 Max	0.010423	0.005574	0.001133	0.00068
CUB	10	46	DERX1 Min	-0.009993	-0.004093	0.001078	2.2E-05
CUB	10	46	DERX2 Max	0.010423	0.005574	0.001133	0.00068
CUB	10	46	DERX2 Min	-0.009993	-0.004093	0.001078	2.2E-05
CUB	10	46	DERX3 Max	0.010337	0.005278	0.001122	0.000548
CUB	10	46	DERX3 Min	-0.010079	-0.004389	0.001089	0.000153
CUB	10	46	DERX4 Max	0.010337	0.005278	0.001122	0.000548
CUB	10	46	DERX4 Min	-0.010079	-0.004389	0.001089	0.000153
CUB	10	46	DERY1 Max	0.01144	0.030881	0.001544	0.004141
CUB	10	46	DERY1 Min	-0.011011	-0.0294	0.001489	0.003482
CUB	10	46	DERY2 Max	0.01144	0.030881	0.001544	0.004141
CUB	10	46	DERY2 Min	-0.011011	-0.0294	0.001489	0.003482
CUB	10	46	DERY3 Max	0.011354	0.030585	0.001533	0.004009
CUB	10	46	DERY3 Min	-0.011097	-0.029696	0.0015	0.003614
CUB	10	46	DERY4 Max	0.011354	0.030585	0.001533	0.004009
CUB	10	46	DERY4 Min	-0.011097	-0.029696	0.0015	0.003614
CUB	11	47	DERX1 Max	0.010017	0.003782	0.000932	0.000385
CUB	11	47	DERX1 Min	-0.009989	-0.001926	0.000913	0.000198
CUB	11	47	DERX2 Max	0.010017	0.003782	0.000932	0.000385
CUB	11	47	DERX2 Min	-0.009989	-0.001926	0.000913	0.000198
CUB	11	47	DERX3 Max	0.010012	0.003411	0.000928	0.000347
CUB	11	47	DERX3 Min	-0.009994	-0.002297	0.000917	0.000236
CUB	11	47	DERX4 Max	0.010012	0.003411	0.000928	0.000347
CUB	11	47	DERX4 Min	-0.009994	-0.002297	0.000917	0.000236
CUB	11	47	DERY1 Max	0.003793	0.03884	0.00037	0.004731
CUB	11	47	DERY1 Min	-0.003765	-0.036984	0.000351	0.004545
CUB	11	47	DERY2 Max	0.003793	0.03884	0.00037	0.004731
CUB	11	47	DERY2 Min	-0.003765	-0.036984	0.000351	0.004545
CUB	11	47	DERY3 Max	0.003788	0.038469	0.000366	0.004694
CUB	11	47	DERY3 Min	-0.00377	-0.037355	0.000355	0.004582
CUB	11	47	DERY4 Max	0.003788	0.038469	0.000366	0.004694
CUB	11	47	DERY4 Min	-0.00377	-0.037355	0.000355	0.004582
CUB	12	48	DERX1 Max	0.01047	0.003782	0.001005	0.000676
CUB	12	48	DERX1 Min	-0.010061	-0.001911	0.000944	2.7E-05
CUB	12	48	DERX2 Max	0.01047	0.003782	0.001005	0.000676
CUB	12	48	DERX2 Min	-0.010061	-0.001911	0.000944	2.7E-05
CUB	12	48	DERX3 Max	0.010388	0.003407	0.000993	0.000536

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	12	48	DERX3 Min	-0.010142	-0.002285	0.000956	0.000114
CUB	12	48	DERX4 Max	0.010388	0.003407	0.000993	0.000536
CUB	12	48	DERX4 Min	-0.010142	-0.002285	0.000956	0.000114
CUB	12	48	DERY1 Max	0.01138	0.038801	0.001572	0.005546
CUB	12	48	DERY1 Min	-0.010971	-0.03693	0.00151	0.004843
CUB	12	48	DERY2 Max	0.01138	0.038801	0.001572	0.005546
CUB	12	48	DERY2 Min	-0.010971	-0.03693	0.00151	0.004843
CUB	12	48	DERY3 Max	0.011298	0.038427	0.00156	0.005405
CUB	12	48	DERY3 Min	-0.011053	-0.037305	0.001523	0.004984
CUB	12	48	DERY4 Max	0.011298	0.038427	0.00156	0.005405
CUB	12	48	DERY4 Min	-0.011053	-0.037305	0.001523	0.004984
CUB	13	49	DERX1 Max	0.010182	0.003823	0.00098	0.000575
CUB	13	49	DERX1 Min	-0.010151	-0.001619	0.000978	0.000316
CUB	13	49	DERX2 Max	0.010182	0.003823	0.00098	0.000575
CUB	13	49	DERX2 Min	-0.010151	-0.001619	0.000978	0.000316
CUB	13	49	DERX3 Max	0.010176	0.003382	0.00098	0.000523
CUB	13	49	DERX3 Min	-0.010158	-0.00206	0.000979	0.000368
CUB	13	49	DERX4 Max	0.010176	0.003382	0.00098	0.000523
CUB	13	49	DERX4 Min	-0.010158	-0.00206	0.000979	0.000368
CUB	13	49	DERY1 Max	0.003859	0.046838	0.000386	0.006255
CUB	13	49	DERY1 Min	-0.003828	-0.044634	0.000384	0.005995
CUB	13	49	DERY2 Max	0.003859	0.046838	0.000386	0.006255
CUB	13	49	DERY2 Min	-0.003828	-0.044634	0.000384	0.005995
CUB	13	49	DERY3 Max	0.003853	0.046397	0.000386	0.006203
CUB	13	49	DERY3 Min	-0.003834	-0.045075	0.000385	0.006047
CUB	13	49	DERY4 Max	0.003853	0.046397	0.000386	0.006203
CUB	13	49	DERY4 Min	-0.003834	-0.045075	0.000385	0.006047
CUB	14	50	DERX1 Max	0.010518	0.003829	0.001043	0.00083
CUB	14	50	DERX1 Min	-0.01013	-0.0016	0.000987	0.000136
CUB	14	50	DERX2 Max	0.010518	0.003829	0.001043	0.00083
CUB	14	50	DERX2 Min	-0.01013	-0.0016	0.000987	0.000136
CUB	14	50	DERX3 Max	0.01044	0.003383	0.001032	0.000691
CUB	14	50	DERX3 Min	-0.010207	-0.002046	0.000998	0.000274
CUB	14	50	DERX4 Max	0.01044	0.003383	0.001032	0.000691
CUB	14	50	DERX4 Min	-0.010207	-0.002046	0.000998	0.000274
CUB	14	50	DERY1 Max	0.011253	0.046885	0.001563	0.007086
CUB	14	50	DERY1 Min	-0.010865	-0.044657	0.001507	0.006392
CUB	14	50	DERY2 Max	0.011253	0.046885	0.001563	0.007086
CUB	14	50	DERY2 Min	-0.010865	-0.044657	0.001507	0.006392
CUB	14	50	DERY3 Max	0.011175	0.04644	0.001552	0.006947
CUB	14	50	DERY3 Min	-0.010943	-0.045103	0.001518	0.006531
CUB	14	50	DERY4 Max	0.011175	0.04644	0.001552	0.006947
CUB	14	50	DERY4 Min	-0.010943	-0.045103	0.001518	0.006531
CUB	15	51	DERX1 Max	0.010285	0.006084	0.001071	0.000803
CUB	15	51	DERX1 Min	-0.010244	-0.003547	0.000942	0.000532

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	15	51	DERX2 Max	0.010285	0.006084	0.001071	0.000803
CUB	15	51	DERX2 Min	-0.010244	-0.003547	0.000942	0.000532
CUB	15	51	DERX3 Max	0.010277	0.005577	0.001045	0.000749
CUB	15	51	DERX3 Min	-0.010252	-0.004054	0.000967	0.000586
CUB	15	51	DERX4 Max	0.010277	0.005577	0.001045	0.000749
CUB	15	51	DERX4 Min	-0.010252	-0.004054	0.000967	0.000586
CUB	15	51	DERY1 Max	0.003925	0.054918	0.000452	0.007594
CUB	15	51	DERY1 Min	-0.003884	-0.052381	0.000323	0.007323
CUB	15	51	DERY2 Max	0.003925	0.054918	0.000452	0.007594
CUB	15	51	DERY2 Min	-0.003884	-0.052381	0.000323	0.007323
CUB	15	51	DERY3 Max	0.003917	0.054411	0.000426	0.00754
CUB	15	51	DERY3 Min	-0.003892	-0.052888	0.000349	0.007377
CUB	15	51	DERY4 Max	0.003917	0.054411	0.000426	0.00754
CUB	15	51	DERY4 Min	-0.003892	-0.052888	0.000349	0.007377
CUB	16	52	DERX1 Max	0.010554	0.006104	0.001055	0.001106
CUB	16	52	DERX1 Min	-0.010184	-0.003555	0.001002	0.000383
CUB	16	52	DERX2 Max	0.010554	0.006104	0.001055	0.001106
CUB	16	52	DERX2 Min	-0.010184	-0.003555	0.001002	0.000383
CUB	16	52	DERX3 Max	0.01048	0.005594	0.001044	0.000961
CUB	16	52	DERX3 Min	-0.010258	-0.004065	0.001012	0.000528
CUB	16	52	DERX4 Max	0.01048	0.005594	0.001044	0.000961
CUB	16	52	DERX4 Min	-0.010258	-0.004065	0.001012	0.000528
CUB	16	52	DERY1 Max	0.011116	0.054818	0.001529	0.008544
CUB	16	52	DERY1 Min	-0.010747	-0.052268	0.001476	0.007821
CUB	16	52	DERY2 Max	0.011116	0.054818	0.001529	0.008544
CUB	16	52	DERY2 Min	-0.010747	-0.052268	0.001476	0.007821
CUB	16	52	DERY3 Max	0.011042	0.054308	0.001518	0.0084
CUB	16	52	DERY3 Min	-0.01082	-0.052778	0.001487	0.007966
CUB	16	52	DERY4 Max	0.011042	0.054308	0.001518	0.0084
CUB	16	52	DERY4 Min	-0.01082	-0.052778	0.001487	0.007966
CUB	21	122	DERX1 Max	0.010572	0.008924	0.001056	0.001357
CUB	21	122	DERX1 Min	-0.010214	-0.006077	0.001054	0.000739
CUB	21	122	DERX2 Max	0.010572	0.008924	0.001056	0.001357
CUB	21	122	DERX2 Min	-0.010214	-0.006077	0.001054	0.000739
CUB	21	122	DERX3 Max	0.0105	0.008354	0.001056	0.001233
CUB	21	122	DERX3 Min	-0.010286	-0.006646	0.001055	0.000862
CUB	21	122	DERX4 Max	0.0105	0.008354	0.001056	0.001233
CUB	21	122	DERX4 Min	-0.010286	-0.006646	0.001055	0.000862
CUB	21	122	DERY1 Max	0.010994	0.062493	0.00159	0.009881
CUB	21	122	DERY1 Min	-0.010636	-0.059646	0.001588	0.009263
CUB	21	122	DERY2 Max	0.010994	0.062493	0.00159	0.009881
CUB	21	122	DERY2 Min	-0.010636	-0.059646	0.001588	0.009263
CUB	21	122	DERY3 Max	0.010922	0.061924	0.00159	0.009757
CUB	21	122	DERY3 Min	-0.010707	-0.060215	0.001589	0.009386
CUB	21	122	DERY4 Max	0.010922	0.061924	0.00159	0.009757

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	21	122	DERY4 Min	-0.010707	-0.060215	0.001589	0.009386
CUB	23	124	DERX1 Max	0.01033	0.008908	0.001007	0.001183
CUB	23	124	DERX1 Min	-0.010283	-0.006089	0.001077	0.000905
CUB	23	124	DERX2 Max	0.01033	0.008908	0.001007	0.001183
CUB	23	124	DERX2 Min	-0.010283	-0.006089	0.001077	0.000905
CUB	23	124	DERX3 Max	0.010321	0.008344	0.001021	0.001127
CUB	23	124	DERX3 Min	-0.010293	-0.006653	0.001063	0.00096
CUB	23	124	DERX4 Max	0.010321	0.008344	0.001021	0.001127
CUB	23	124	DERX4 Min	-0.010293	-0.006653	0.001063	0.00096
CUB	23	124	DERY1 Max	0.003985	0.062441	0.000393	0.009659
CUB	23	124	DERY1 Min	-0.003937	-0.059622	0.000463	0.009381
CUB	23	124	DERY2 Max	0.003985	0.062441	0.000393	0.009659
CUB	23	124	DERY2 Min	-0.003937	-0.059622	0.000463	0.009381
CUB	23	124	DERY3 Max	0.003975	0.061877	0.000407	0.009604
CUB	23	124	DERY3 Min	-0.003947	-0.060186	0.000449	0.009437
CUB	23	124	DERY4 Max	0.003975	0.061877	0.000407	0.009604
CUB	23	124	DERY4 Min	-0.003947	-0.060186	0.000449	0.009437
CUB	19	160	DERX1 Max	0.009743	0.007336	0.000663	0.000776
CUB	19	160	DERX1 Min	-0.010112	-0.006307	0.000876	0.00013
CUB	19	160	DERX2 Max	0.009743	0.007336	0.000663	0.000776
CUB	19	160	DERX2 Min	-0.010112	-0.006307	0.000876	0.00013
CUB	19	160	DERX3 Max	0.009816	0.00713	0.000706	0.000647
CUB	19	160	DERX3 Min	-0.010038	-0.006513	0.000833	0.000259
CUB	19	160	DERX4 Max	0.009816	0.00713	0.000706	0.000647
CUB	19	160	DERX4 Min	-0.010038	-0.006513	0.000833	0.000259
CUB	19	160	DERY1 Max	0.006935	0.023295	0.000573	0.002468
CUB	19	160	DERY1 Min	-0.007304	-0.022266	0.000785	0.001822
CUB	19	160	DERY2 Max	0.006935	0.023295	0.000573	0.002468
CUB	19	160	DERY2 Min	-0.007304	-0.022266	0.000785	0.001822
CUB	19	160	DERY3 Max	0.007009	0.023089	0.000615	0.002338
CUB	19	160	DERY3 Min	-0.00723	-0.022472	0.000743	0.001951
CUB	19	160	DERY4 Max	0.007009	0.023089	0.000615	0.002338
CUB	19	160	DERY4 Min	-0.00723	-0.022472	0.000743	0.001951
CUB	22	161	DERX1 Max	0.010123	0.005658	0.000926	0.00086
CUB	22	161	DERX1 Min	-0.010473	-0.004181	0.000941	7.5E-05
CUB	22	161	DERX2 Max	0.010123	0.005658	0.000926	0.00086
CUB	22	161	DERX2 Min	-0.010473	-0.004181	0.000941	7.5E-05
CUB	22	161	DERX3 Max	0.010193	0.005363	0.000929	0.000703
CUB	22	161	DERX3 Min	-0.010403	-0.004477	0.000938	0.000232
CUB	22	161	DERX4 Max	0.010193	0.005363	0.000929	0.000703
CUB	22	161	DERX4 Min	-0.010403	-0.004477	0.000938	0.000232
CUB	22	161	DERY1 Max	0.00693	0.031005	0.000679	0.001884
CUB	22	161	DERY1 Min	-0.007281	-0.029528	0.000694	0.0011
CUB	22	161	DERY2 Max	0.00693	0.031005	0.000679	0.001884
CUB	22	161	DERY2 Min	-0.007281	-0.029528	0.000694	0.0011

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	22	161	DERY3 Max	0.007	0.03071	0.000682	0.001727
CUB	22	161	DERY3 Min	-0.007211	-0.029824	0.000691	0.001256
CUB	22	161	DERY4 Max	0.007	0.03071	0.000682	0.001727
CUB	22	161	DERY4 Min	-0.007211	-0.029824	0.000691	0.001256
CUB	27	162	DERX1 Max	0.010244	0.003807	0.000908	0.001455
CUB	27	162	DERX1 Min	-0.01058	-0.001945	0.000926	0.000524
CUB	27	162	DERX2 Max	0.010244	0.003807	0.000908	0.001455
CUB	27	162	DERX2 Min	-0.01058	-0.001945	0.000926	0.000524
CUB	27	162	DERX3 Max	0.010311	0.003435	0.000912	0.001269
CUB	27	162	DERX3 Min	-0.010513	-0.002318	0.000922	0.000711
CUB	27	162	DERX4 Max	0.010311	0.003435	0.000912	0.001269
CUB	27	162	DERX4 Min	-0.010513	-0.002318	0.000922	0.000711
CUB	27	162	DERY1 Max	0.006919	0.038925	0.00066	0.001583
CUB	27	162	DERY1 Min	-0.007256	-0.037063	0.000678	0.000652
CUB	27	162	DERY2 Max	0.006919	0.038925	0.00066	0.001583
CUB	27	162	DERY2 Min	-0.007256	-0.037063	0.000678	0.000652
CUB	27	162	DERY3 Max	0.006987	0.038553	0.000664	0.001397
CUB	27	162	DERY3 Min	-0.007188	-0.037436	0.000675	0.000838
CUB	27	162	DERY4 Max	0.006987	0.038553	0.000664	0.001397
CUB	27	162	DERY4 Min	-0.007188	-0.037436	0.000675	0.000838
CUB	46	163	DERX1 Max	0.01037	0.003836	0.000866	0.00205
CUB	46	163	DERX1 Min	-0.010693	-0.001635	0.000989	0.001105
CUB	46	163	DERX2 Max	0.01037	0.003836	0.000866	0.00205
CUB	46	163	DERX2 Min	-0.010693	-0.001635	0.000989	0.001105
CUB	46	163	DERX3 Max	0.010434	0.003396	0.000891	0.001861
CUB	46	163	DERX3 Min	-0.010628	-0.002075	0.000965	0.001294
CUB	46	163	DERX4 Max	0.010434	0.003396	0.000891	0.001861
CUB	46	163	DERX4 Min	-0.010628	-0.002075	0.000965	0.001294
CUB	46	163	DERY1 Max	0.006915	0.046901	0.000608	0.00194
CUB	46	163	DERY1 Min	-0.007238	-0.0447	0.00073	0.000995
CUB	46	163	DERY2 Max	0.006915	0.046901	0.000608	0.00194
CUB	46	163	DERY2 Min	-0.007238	-0.0447	0.00073	0.000995
CUB	46	163	DERY3 Max	0.00698	0.046461	0.000632	0.001751
CUB	46	163	DERY3 Min	-0.007174	-0.04514	0.000706	0.001184
CUB	46	163	DERY4 Max	0.00698	0.046461	0.000632	0.001751
CUB	46	163	DERY4 Min	-0.007174	-0.04514	0.000706	0.001184
PISO 3A	4	94	DERX1 Max	0.01795	0.019519	0.002669	0.004005
PISO 3A	4	94	DERX1 Min	-0.018827	-0.018781	0.003418	0.002636
PISO 3A	4	94	DERX2 Max	0.01795	0.019519	0.002669	0.004005
PISO 3A	4	94	DERX2 Min	-0.018827	-0.018781	0.003418	0.002636
PISO 3A	4	94	DERX3 Max	0.018125	0.019371	0.002819	0.003731
PISO 3A	4	94	DERX3 Min	-0.018652	-0.018929	0.003268	0.00291
PISO 3A	4	94	DERX4 Max	0.018125	0.019371	0.002819	0.003731
PISO 3A	4	94	DERX4 Min	-0.018652	-0.018929	0.003268	0.00291
PISO 3A	4	94	DERY1 Max	0.027716	0.029671	0.004334	0.00579

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3A	4	94	DERY1 Min	-0.028594	-0.028934	0.005084	0.004421
PISO 3A	4	94	DERY2 Max	0.027716	0.029671	0.004334	0.00579
PISO 3A	4	94	DERY2 Min	-0.028594	-0.028934	0.005084	0.004421
PISO 3A	4	94	DERY3 Max	0.027892	0.029524	0.004484	0.005516
PISO 3A	4	94	DERY3 Min	-0.028418	-0.029081	0.004934	0.004694
PISO 3A	4	94	DERY4 Max	0.027892	0.029524	0.004484	0.005516
PISO 3A	4	94	DERY4 Min	-0.028418	-0.029081	0.004934	0.004694
PISO 3A	5	95	DERX1 Max	0.017501	0.005602	0.00306	0.000699
PISO 3A	5	95	DERX1 Min	-0.018333	-0.005511	0.003337	0.00024
PISO 3A	5	95	DERX2 Max	0.017501	0.005602	0.00306	0.000699
PISO 3A	5	95	DERX2 Min	-0.018333	-0.005511	0.003337	0.00024
PISO 3A	5	95	DERX3 Max	0.017667	0.005584	0.003116	0.000607
PISO 3A	5	95	DERX3 Min	-0.018166	-0.005529	0.003282	0.000331
PISO 3A	5	95	DERX4 Max	0.017667	0.005584	0.003116	0.000607
PISO 3A	5	95	DERX4 Min	-0.018166	-0.005529	0.003282	0.000331
PISO 3A	5	95	DERY1 Max	0.026954	0.009541	0.004816	0.001166
PISO 3A	5	95	DERY1 Min	-0.027786	-0.00945	0.005093	0.000707
PISO 3A	5	95	DERY2 Max	0.026954	0.009541	0.004816	0.001166
PISO 3A	5	95	DERY2 Min	-0.027786	-0.00945	0.005093	0.000707
PISO 3A	5	95	DERY3 Max	0.02712	0.009523	0.004871	0.001074
PISO 3A	5	95	DERY3 Min	-0.027619	-0.009468	0.005038	0.000799
PISO 3A	5	95	DERY4 Max	0.02712	0.009523	0.004871	0.001074
PISO 3A	5	95	DERY4 Min	-0.027619	-0.009468	0.005038	0.000799
PISO 3A	39	311	DERX1 Max	0.007491	0.019126	0.000375	0.002689
PISO 3A	39	311	DERX1 Min	-0.00773	-0.018518	0.001044	0.003847
PISO 3A	39	311	DERX2 Max	0.007491	0.019126	0.000375	0.002689
PISO 3A	39	311	DERX2 Min	-0.00773	-0.018518	0.001044	0.003847
PISO 3A	39	311	DERX3 Max	0.007539	0.019005	0.000509	0.00292
PISO 3A	39	311	DERX3 Min	-0.007682	-0.01864	0.00091	0.003615
PISO 3A	39	311	DERX4 Max	0.007539	0.019005	0.000509	0.00292
PISO 3A	39	311	DERX4 Min	-0.007682	-0.01864	0.00091	0.003615
PISO 3A	39	311	DERY1 Max	0.003313	0.029075	0.000194	0.004439
PISO 3A	39	311	DERY1 Min	-0.003552	-0.028467	0.000863	0.005597
PISO 3A	39	311	DERY2 Max	0.003313	0.029075	0.000194	0.004439
PISO 3A	39	311	DERY2 Min	-0.003552	-0.028467	0.000863	0.005597
PISO 3A	39	311	DERY3 Max	0.003361	0.028954	0.000328	0.004671
PISO 3A	39	311	DERY3 Min	-0.003505	-0.028589	0.000729	0.005366
PISO 3A	39	311	DERY4 Max	0.003361	0.028954	0.000328	0.004671
PISO 3A	39	311	DERY4 Min	-0.003505	-0.028589	0.000729	0.005366
PISO 3	5	10	DERX1 Max	0.01239	0.004431	0.003425	0.000578
PISO 3	5	10	DERX1 Min	-0.012751	-0.00512	0.00352	0.000797
PISO 3	5	10	DERX2 Max	0.01239	0.004431	0.003425	0.000578
PISO 3	5	10	DERX2 Min	-0.012751	-0.00512	0.00352	0.000797
PISO 3	5	10	DERX3 Max	0.012462	0.004569	0.003444	0.000622
PISO 3	5	10	DERX3 Min	-0.012679	-0.004982	0.003501	0.000754

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	5	10	DERX4 Max	0.012462	0.004569	0.003444	0.000622
PISO 3	5	10	DERX4 Min	-0.012679	-0.004982	0.003501	0.000754
PISO 3	5	10	DERY1 Max	0.018819	0.007624	0.005311	0.001125
PISO 3	5	10	DERY1 Min	-0.01918	-0.008313	0.005406	0.001344
PISO 3	5	10	DERY2 Max	0.018819	0.007624	0.005311	0.001125
PISO 3	5	10	DERY2 Min	-0.01918	-0.008313	0.005406	0.001344
PISO 3	5	10	DERY3 Max	0.018891	0.007762	0.00533	0.001169
PISO 3	5	10	DERY3 Min	-0.019108	-0.008175	0.005387	0.001301
PISO 3	5	10	DERY4 Max	0.018891	0.007762	0.00533	0.001169
PISO 3	5	10	DERY4 Min	-0.019108	-0.008175	0.005387	0.001301
PISO 3	7	14	DERX1 Max	0.005962	0.005006	0.001098	0.001206
PISO 3	7	14	DERX1 Min	-0.005826	-0.004799	0.001041	0.001141
PISO 3	7	14	DERX2 Max	0.005962	0.005006	0.001098	0.001206
PISO 3	7	14	DERX2 Min	-0.005826	-0.004799	0.001041	0.001141
PISO 3	7	14	DERX3 Max	0.005935	0.004965	0.001087	0.001193
PISO 3	7	14	DERX3 Min	-0.005853	-0.00484	0.001053	0.001154
PISO 3	7	14	DERX4 Max	0.005935	0.004965	0.001087	0.001193
PISO 3	7	14	DERX4 Min	-0.005853	-0.00484	0.001053	0.001154
PISO 3	7	14	DERY1 Max	0.005434	0.013435	0.0015	0.003545
PISO 3	7	14	DERY1 Min	-0.005298	-0.013227	0.001443	0.00348
PISO 3	7	14	DERY2 Max	0.005434	0.013435	0.0015	0.003545
PISO 3	7	14	DERY2 Min	-0.005298	-0.013227	0.001443	0.00348
PISO 3	7	14	DERY3 Max	0.005407	0.013393	0.001488	0.003532
PISO 3	7	14	DERY3 Min	-0.005325	-0.013269	0.001455	0.003493
PISO 3	7	14	DERY4 Max	0.005407	0.013393	0.001488	0.003532
PISO 3	7	14	DERY4 Min	-0.005325	-0.013269	0.001455	0.003493
PISO 3	8	16	DERX1 Max	0.005621	0.005063	0.001073	0.001223
PISO 3	8	16	DERX1 Min	-0.005649	-0.004854	0.001066	0.001161
PISO 3	8	16	DERX2 Max	0.005621	0.005063	0.001073	0.001223
PISO 3	8	16	DERX2 Min	-0.005649	-0.004854	0.001066	0.001161
PISO 3	8	16	DERX3 Max	0.005627	0.005021	0.001072	0.001211
PISO 3	8	16	DERX3 Min	-0.005644	-0.004896	0.001067	0.001174
PISO 3	8	16	DERX4 Max	0.005627	0.005021	0.001072	0.001211
PISO 3	8	16	DERX4 Min	-0.005644	-0.004896	0.001067	0.001174
PISO 3	8	16	DERY1 Max	0.00215	0.013585	0.0004	0.003566
PISO 3	8	16	DERY1 Min	-0.002178	-0.013376	0.000392	0.003504
PISO 3	8	16	DERY2 Max	0.00215	0.013585	0.0004	0.003566
PISO 3	8	16	DERY2 Min	-0.002178	-0.013376	0.000392	0.003504
PISO 3	8	16	DERY3 Max	0.002156	0.013543	0.000398	0.003554
PISO 3	8	16	DERY3 Min	-0.002173	-0.013418	0.000394	0.003517
PISO 3	8	16	DERY4 Max	0.002156	0.013543	0.000398	0.003554
PISO 3	8	16	DERY4 Min	-0.002173	-0.013418	0.000394	0.003517
PISO 3	9	18	DERX1 Max	0.005789	0.003603	0.001162	0.001059
PISO 3	9	18	DERX1 Min	-0.005826	-0.003213	0.001155	0.000937
PISO 3	9	18	DERX2 Max	0.005789	0.003603	0.001162	0.001059

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	9	18	DERX2 Min	-0.005826	-0.003213	0.001155	0.000937
PISO 3	9	18	DERX3 Max	0.005797	0.003525	0.00116	0.001035
PISO 3	9	18	DERX3 Min	-0.005819	-0.003291	0.001157	0.000961
PISO 3	9	18	DERX4 Max	0.005797	0.003525	0.00116	0.001035
PISO 3	9	18	DERX4 Min	-0.005819	-0.003291	0.001157	0.000961
PISO 3	9	18	DERY1 Max	0.002204	0.015934	0.000439	0.004715
PISO 3	9	18	DERY1 Min	-0.002241	-0.015544	0.000433	0.004593
PISO 3	9	18	DERY2 Max	0.002204	0.015934	0.000439	0.004715
PISO 3	9	18	DERY2 Min	-0.002241	-0.015544	0.000433	0.004593
PISO 3	9	18	DERY3 Max	0.002212	0.015856	0.000438	0.00469
PISO 3	9	18	DERY3 Min	-0.002234	-0.015622	0.000434	0.004617
PISO 3	9	18	DERY4 Max	0.002212	0.015856	0.000438	0.00469
PISO 3	9	18	DERY4 Min	-0.002234	-0.015622	0.000434	0.004617
PISO 3	10	20	DERX1 Max	0.005998	0.003582	0.001091	0.00105
PISO 3	10	20	DERX1 Min	-0.005851	-0.003207	0.001033	0.000941
PISO 3	10	20	DERX2 Max	0.005998	0.003582	0.001091	0.00105
PISO 3	10	20	DERX2 Min	-0.005851	-0.003207	0.001033	0.000941
PISO 3	10	20	DERX3 Max	0.005968	0.003507	0.001079	0.001028
PISO 3	10	20	DERX3 Min	-0.00588	-0.003282	0.001045	0.000963
PISO 3	10	20	DERX4 Max	0.005968	0.003507	0.001079	0.001028
PISO 3	10	20	DERX4 Min	-0.00588	-0.003282	0.001045	0.000963
PISO 3	10	20	DERY1 Max	0.005396	0.015894	0.001491	0.004688
PISO 3	10	20	DERY1 Min	-0.005249	-0.015519	0.001433	0.004579
PISO 3	10	20	DERY2 Max	0.005396	0.015894	0.001491	0.004688
PISO 3	10	20	DERY2 Min	-0.005249	-0.015519	0.001433	0.004579
PISO 3	10	20	DERY3 Max	0.005366	0.015819	0.001479	0.004666
PISO 3	10	20	DERY3 Min	-0.005278	-0.015594	0.001445	0.004601
PISO 3	10	20	DERY4 Max	0.005366	0.015819	0.001479	0.004666
PISO 3	10	20	DERY4 Min	-0.005278	-0.015594	0.001445	0.004601
PISO 3	11	22	DERX1 Max	0.005861	0.0022	0.001809	0.000679
PISO 3	11	22	DERX1 Min	-0.005899	-0.001629	0.001821	0.000503
PISO 3	11	22	DERX2 Max	0.005861	0.0022	0.001809	0.000679
PISO 3	11	22	DERX2 Min	-0.005899	-0.001629	0.001821	0.000503
PISO 3	11	22	DERX3 Max	0.005868	0.002086	0.001811	0.000644
PISO 3	11	22	DERX3 Min	-0.005891	-0.001743	0.001818	0.000538
PISO 3	11	22	DERX4 Max	0.005868	0.002086	0.001811	0.000644
PISO 3	11	22	DERX4 Min	-0.005891	-0.001743	0.001818	0.000538
PISO 3	11	22	DERY1 Max	0.002261	0.018609	0.000698	0.005744
PISO 3	11	22	DERY1 Min	-0.002298	-0.018038	0.000709	0.005567
PISO 3	11	22	DERY2 Max	0.002261	0.018609	0.000698	0.005744
PISO 3	11	22	DERY2 Min	-0.002298	-0.018038	0.000709	0.005567
PISO 3	11	22	DERY3 Max	0.002268	0.018495	0.0007	0.005708
PISO 3	11	22	DERY3 Min	-0.002291	-0.018152	0.000707	0.005602
PISO 3	11	22	DERY4 Max	0.002268	0.018495	0.0007	0.005708
PISO 3	11	22	DERY4 Min	-0.002291	-0.018152	0.000707	0.005602



Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	12	24	DERX1 Max	0.006006	0.0022	0.001854	0.000679
PISO 3	12	24	DERX1 Min	-0.005851	-0.001639	0.001806	0.000506
PISO 3	12	24	DERX2 Max	0.006006	0.0022	0.001854	0.000679
PISO 3	12	24	DERX2 Min	-0.005851	-0.001639	0.001806	0.000506
PISO 3	12	24	DERX3 Max	0.005975	0.002088	0.001844	0.000644
PISO 3	12	24	DERX3 Min	-0.005882	-0.001751	0.001816	0.00054
PISO 3	12	24	DERX4 Max	0.005975	0.002088	0.001844	0.000644
PISO 3	12	24	DERX4 Min	-0.005882	-0.001751	0.001816	0.00054
PISO 3	12	24	DERY1 Max	0.00531	0.018602	0.001639	0.005741
PISO 3	12	24	DERY1 Min	-0.005155	-0.01804	0.001591	0.005568
PISO 3	12	24	DERY2 Max	0.00531	0.018602	0.001639	0.005741
PISO 3	12	24	DERY2 Min	-0.005155	-0.01804	0.001591	0.005568
PISO 3	12	24	DERY3 Max	0.005279	0.018489	0.001629	0.005707
PISO 3	12	24	DERY3 Min	-0.005186	-0.018153	0.001601	0.005603
PISO 3	12	24	DERY4 Max	0.005279	0.018489	0.001629	0.005707
PISO 3	12	24	DERY4 Min	-0.005186	-0.018153	0.001601	0.005603
PISO 3	13	26	DERX1 Max	0.005915	0.001608	0.001825	0.000496
PISO 3	13	26	DERX1 Min	-0.005953	-0.000845	0.001837	0.000261
PISO 3	13	26	DERX2 Max	0.005915	0.001608	0.001825	0.000496
PISO 3	13	26	DERX2 Min	-0.005953	-0.000845	0.001837	0.000261
PISO 3	13	26	DERX3 Max	0.005922	0.001455	0.001828	0.000449
PISO 3	13	26	DERX3 Min	-0.005946	-0.000997	0.001835	0.000308
PISO 3	13	26	DERX4 Max	0.005922	0.001455	0.001828	0.000449
PISO 3	13	26	DERX4 Min	-0.005946	-0.000997	0.001835	0.000308
PISO 3	13	26	DERY1 Max	0.002302	0.021491	0.00071	0.006633
PISO 3	13	26	DERY1 Min	-0.002341	-0.020729	0.000722	0.006398
PISO 3	13	26	DERY2 Max	0.002302	0.021491	0.00071	0.006633
PISO 3	13	26	DERY2 Min	-0.002341	-0.020729	0.000722	0.006398
PISO 3	13	26	DERY3 Max	0.00231	0.021339	0.000713	0.006586
PISO 3	13	26	DERY3 Min	-0.002333	-0.020881	0.00072	0.006445
PISO 3	13	26	DERY4 Max	0.00231	0.021339	0.000713	0.006586
PISO 3	13	26	DERY4 Min	-0.002333	-0.020881	0.00072	0.006445
PISO 3	14	28	DERX1 Max	0.006006	0.0016	0.001854	0.000494
PISO 3	14	28	DERX1 Min	-0.005846	-0.00085	0.001804	0.000262
PISO 3	14	28	DERX2 Max	0.006006	0.0016	0.001854	0.000494
PISO 3	14	28	DERX2 Min	-0.005846	-0.00085	0.001804	0.000262
PISO 3	14	28	DERX3 Max	0.005974	0.00145	0.001844	0.000448
PISO 3	14	28	DERX3 Min	-0.005878	-0.001	0.001814	0.000309
PISO 3	14	28	DERX4 Max	0.005974	0.00145	0.001844	0.000448
PISO 3	14	28	DERX4 Min	-0.005878	-0.001	0.001814	0.000309
PISO 3	14	28	DERY1 Max	0.005232	0.021461	0.001615	0.006624
PISO 3	14	28	DERY1 Min	-0.005071	-0.020711	0.001565	0.006392
PISO 3	14	28	DERY2 Max	0.005232	0.021461	0.001615	0.006624
PISO 3	14	28	DERY2 Min	-0.005071	-0.020711	0.001565	0.006392
PISO 3	14	28	DERY3 Max	0.0052	0.021311	0.001605	0.006577

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	14	28	DERY3 Min	-0.005103	-0.020861	0.001575	0.006439
PISO 3	14	28	DERY4 Max	0.0052	0.021311	0.001605	0.006577
PISO 3	14	28	DERY4 Min	-0.005103	-0.020861	0.001575	0.006439
PISO 3	15	30	DERX1 Max	0.005939	0.002708	0.001833	0.000836
PISO 3	15	30	DERX1 Min	-0.005981	-0.001747	0.001846	0.000539
PISO 3	15	30	DERX2 Max	0.005939	0.002708	0.001833	0.000836
PISO 3	15	30	DERX2 Min	-0.005981	-0.001747	0.001846	0.000539
PISO 3	15	30	DERX3 Max	0.005948	0.002516	0.001836	0.000776
PISO 3	15	30	DERX3 Min	-0.005972	-0.001939	0.001843	0.000598
PISO 3	15	30	DERX4 Max	0.005948	0.002516	0.001836	0.000776
PISO 3	15	30	DERX4 Min	-0.005972	-0.001939	0.001843	0.000598
PISO 3	15	30	DERY1 Max	0.00233	0.024435	0.000719	0.007542
PISO 3	15	30	DERY1 Min	-0.002371	-0.023474	0.000732	0.007245
PISO 3	15	30	DERY2 Max	0.00233	0.024435	0.000719	0.007542
PISO 3	15	30	DERY2 Min	-0.002371	-0.023474	0.000732	0.007245
PISO 3	15	30	DERY3 Max	0.002338	0.024243	0.000722	0.007482
PISO 3	15	30	DERY3 Min	-0.002363	-0.023666	0.000729	0.007304
PISO 3	15	30	DERY4 Max	0.002338	0.024243	0.000722	0.007482
PISO 3	15	30	DERY4 Min	-0.002363	-0.023666	0.000729	0.007304
PISO 3	16	32	DERX1 Max	0.006003	0.002699	0.001853	0.000833
PISO 3	16	32	DERX1 Min	-0.005837	-0.001749	0.001801	0.00054
PISO 3	16	32	DERX2 Max	0.006003	0.002699	0.001853	0.000833
PISO 3	16	32	DERX2 Min	-0.005837	-0.001749	0.001801	0.00054
PISO 3	16	32	DERX3 Max	0.00597	0.002509	0.001843	0.000774
PISO 3	16	32	DERX3 Min	-0.00587	-0.001939	0.001812	0.000599
PISO 3	16	32	DERX4 Max	0.00597	0.002509	0.001843	0.000774
PISO 3	16	32	DERX4 Min	-0.00587	-0.001939	0.001812	0.000599
PISO 3	16	32	DERY1 Max	0.005162	0.024402	0.001593	0.007531
PISO 3	16	32	DERY1 Min	-0.004995	-0.023453	0.001542	0.007238
PISO 3	16	32	DERY2 Max	0.005162	0.024402	0.001593	0.007531
PISO 3	16	32	DERY2 Min	-0.004995	-0.023453	0.001542	0.007238
PISO 3	16	32	DERY3 Max	0.005128	0.024212	0.001583	0.007473
PISO 3	16	32	DERY3 Min	-0.005028	-0.023642	0.001552	0.007297
PISO 3	16	32	DERY4 Max	0.005128	0.024212	0.001583	0.007473
PISO 3	16	32	DERY4 Min	-0.005028	-0.023642	0.001552	0.007297
PISO 3	20	80	DERX1 Max	0.005972	0.00573	0.00112	0.00129
PISO 3	20	80	DERX1 Min	-0.005849	-0.005582	0.001067	0.001246
PISO 3	20	80	DERX2 Max	0.005972	0.00573	0.00112	0.00129
PISO 3	20	80	DERX2 Min	-0.005849	-0.005582	0.001067	0.001246
PISO 3	20	80	DERX3 Max	0.005948	0.0057	0.001109	0.001281
PISO 3	20	80	DERX3 Min	-0.005874	-0.005612	0.001078	0.001255
PISO 3	20	80	DERX4 Max	0.005948	0.0057	0.001109	0.001281
PISO 3	20	80	DERX4 Min	-0.005874	-0.005612	0.001078	0.001255
PISO 3	20	80	DERY1 Max	0.005434	0.012516	0.001484	0.003063
PISO 3	20	80	DERY1 Min	-0.005311	-0.012368	0.001431	0.00302

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	20	80	DERY2 Max	0.005434	0.012516	0.001484	0.003063
PISO 3	20	80	DERY2 Min	-0.005311	-0.012368	0.001431	0.00302
PISO 3	20	80	DERY3 Max	0.005409	0.012486	0.001473	0.003055
PISO 3	20	80	DERY3 Min	-0.005336	-0.012398	0.001442	0.003029
PISO 3	20	80	DERY4 Max	0.005409	0.012486	0.001473	0.003055
PISO 3	20	80	DERY4 Min	-0.005336	-0.012398	0.001442	0.003029
PISO 3	21	81	DERX1 Max	0.005996	0.004266	0.001851	0.001317
PISO 3	21	81	DERX1 Min	-0.005828	-0.003117	0.001799	0.000962
PISO 3	21	81	DERX2 Max	0.005996	0.004266	0.001851	0.001317
PISO 3	21	81	DERX2 Min	-0.005828	-0.003117	0.001799	0.000962
PISO 3	21	81	DERX3 Max	0.005962	0.004036	0.00184	0.001246
PISO 3	21	81	DERX3 Min	-0.005862	-0.003347	0.001809	0.001033
PISO 3	21	81	DERX4 Max	0.005962	0.004036	0.00184	0.001246
PISO 3	21	81	DERX4 Min	-0.005862	-0.003347	0.001809	0.001033
PISO 3	21	81	DERY1 Max	0.005128	0.027346	0.001583	0.00844
PISO 3	21	81	DERY1 Min	-0.00496	-0.026197	0.001531	0.008085
PISO 3	21	81	DERY2 Max	0.005128	0.027346	0.001583	0.00844
PISO 3	21	81	DERY2 Min	-0.00496	-0.026197	0.001531	0.008085
PISO 3	21	81	DERY3 Max	0.005094	0.027116	0.001572	0.008369
PISO 3	21	81	DERY3 Min	-0.004994	-0.026426	0.001541	0.008156
PISO 3	21	81	DERY4 Max	0.005094	0.027116	0.001572	0.008369
PISO 3	21	81	DERY4 Min	-0.004994	-0.026426	0.001541	0.008156
PISO 3	23	83	DERX1 Max	0.005941	0.004281	0.001834	0.001321
PISO 3	23	83	DERX1 Min	-0.005979	-0.003109	0.001845	0.00096
PISO 3	23	83	DERX2 Max	0.005941	0.004281	0.001834	0.001321
PISO 3	23	83	DERX2 Min	-0.005979	-0.003109	0.001845	0.00096
PISO 3	23	83	DERX3 Max	0.005949	0.004047	0.001836	0.001249
PISO 3	23	83	DERX3 Min	-0.005971	-0.003344	0.001843	0.001032
PISO 3	23	83	DERX4 Max	0.005949	0.004047	0.001836	0.001249
PISO 3	23	83	DERX4 Min	-0.005971	-0.003344	0.001843	0.001032
PISO 3	23	83	DERY1 Max	0.002338	0.027365	0.000722	0.008446
PISO 3	23	83	DERY1 Min	-0.002376	-0.026193	0.000733	0.008084
PISO 3	23	83	DERY2 Max	0.002338	0.027365	0.000722	0.008446
PISO 3	23	83	DERY2 Min	-0.002376	-0.026193	0.000733	0.008084
PISO 3	23	83	DERY3 Max	0.002346	0.027131	0.000724	0.008374
PISO 3	23	83	DERY3 Min	-0.002368	-0.026428	0.000731	0.008157
PISO 3	23	83	DERY4 Max	0.002346	0.027131	0.000724	0.008374
PISO 3	23	83	DERY4 Min	-0.002368	-0.026428	0.000731	0.008157
PISO 3	19	42	DERX1 Max	0.00611	0.005053	0.00124	0.001189
PISO 3	19	42	DERX1 Min	-0.006294	-0.004865	0.001271	0.001134
PISO 3	19	42	DERX2 Max	0.00611	0.005053	0.00124	0.001189
PISO 3	19	42	DERX2 Min	-0.006294	-0.004865	0.001271	0.001134
PISO 3	19	42	DERX3 Max	0.006147	0.005016	0.001246	0.001178
PISO 3	19	42	DERX3 Min	-0.006258	-0.004903	0.001265	0.001145
PISO 3	19	42	DERX4 Max	0.006147	0.005016	0.001246	0.001178

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	19	42	DERX4 Min	-0.006258	-0.004903	0.001265	0.001145
PISO 3	19	42	DERY1 Max	0.003993	0.013903	0.001018	0.003589
PISO 3	19	42	DERY1 Min	-0.004177	-0.013715	0.001049	0.003535
PISO 3	19	42	DERY2 Max	0.003993	0.013903	0.001018	0.003589
PISO 3	19	42	DERY2 Min	-0.004177	-0.013715	0.001049	0.003535
PISO 3	19	42	DERY3 Max	0.00403	0.013865	0.001024	0.003578
PISO 3	19	42	DERY3 Min	-0.00414	-0.013752	0.001043	0.003546
PISO 3	19	42	DERY4 Max	0.00403	0.013865	0.001024	0.003578
PISO 3	19	42	DERY4 Min	-0.00414	-0.013752	0.001043	0.003546
PISO 3	22	76	DERX1 Max	0.006257	0.003994	0.001345	0.000909
PISO 3	22	76	DERX1 Min	-0.006444	-0.003786	0.001378	0.000874
PISO 3	22	76	DERX2 Max	0.006257	0.003994	0.001345	0.000909
PISO 3	22	76	DERX2 Min	-0.006444	-0.003786	0.001378	0.000874
PISO 3	22	76	DERX3 Max	0.006294	0.003952	0.001352	0.000902
PISO 3	22	76	DERX3 Min	-0.006407	-0.003828	0.001371	0.000881
PISO 3	22	76	DERX4 Max	0.006294	0.003952	0.001352	0.000902
PISO 3	22	76	DERX4 Min	-0.006407	-0.003828	0.001371	0.000881
PISO 3	22	76	DERY1 Max	0.004071	0.020351	0.001048	0.005011
PISO 3	22	76	DERY1 Min	-0.004259	-0.020143	0.00108	0.004977
PISO 3	22	76	DERY2 Max	0.004071	0.020351	0.001048	0.005011
PISO 3	22	76	DERY2 Min	-0.004259	-0.020143	0.00108	0.004977
PISO 3	22	76	DERY3 Max	0.004109	0.020309	0.001054	0.005004
PISO 3	22	76	DERY3 Min	-0.004221	-0.020185	0.001074	0.004983
PISO 3	22	76	DERY4 Max	0.004109	0.020309	0.001054	0.005004
PISO 3	22	76	DERY4 Min	-0.004221	-0.020185	0.001074	0.004983
PISO 3	27	82	DERX1 Max	0.006345	0.004024	0.001424	0.000689
PISO 3	27	82	DERX1 Min	-0.006546	-0.003758	0.001461	0.000674
PISO 3	27	82	DERX2 Max	0.006345	0.004024	0.001424	0.000689
PISO 3	27	82	DERX2 Min	-0.006546	-0.003758	0.001461	0.000674
PISO 3	27	82	DERX3 Max	0.006385	0.003971	0.001431	0.000686
PISO 3	27	82	DERX3 Min	-0.006506	-0.003811	0.001454	0.000677
PISO 3	27	82	DERX4 Max	0.006385	0.003971	0.001431	0.000686
PISO 3	27	82	DERX4 Min	-0.006506	-0.003811	0.001454	0.000677
PISO 3	27	82	DERY1 Max	0.004067	0.028508	0.00106	0.006792
PISO 3	27	82	DERY1 Min	-0.004268	-0.028242	0.001097	0.006777
PISO 3	27	82	DERY2 Max	0.004067	0.028508	0.00106	0.006792
PISO 3	27	82	DERY2 Min	-0.004268	-0.028242	0.001097	0.006777
PISO 3	27	82	DERY3 Max	0.004107	0.028454	0.001067	0.006789
PISO 3	27	82	DERY3 Min	-0.004228	-0.028295	0.00109	0.00678
PISO 3	27	82	DERY4 Max	0.004107	0.028454	0.001067	0.006789
PISO 3	27	82	DERY4 Min	-0.004228	-0.028295	0.00109	0.00678
PISO 3	46	123	DERX1 Max	0.00641	0.00586	0.001512	0.000774
PISO 3	46	123	DERX1 Min	-0.006618	-0.0054	0.001552	0.000748
PISO 3	46	123	DERX2 Max	0.00641	0.00586	0.001512	0.000774
PISO 3	46	123	DERX2 Min	-0.006618	-0.0054	0.001552	0.000748

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	46	123	DERX3 Max	0.006452	0.005768	0.00152	0.000769
PISO 3	46	123	DERX3 Min	-0.006577	-0.005492	0.001544	0.000753
PISO 3	46	123	DERX4 Max	0.006452	0.005768	0.00152	0.000769
PISO 3	46	123	DERX4 Min	-0.006577	-0.005492	0.001544	0.000753
PISO 3	46	123	DERY1 Max	0.004083	0.037092	0.001087	0.008866
PISO 3	46	123	DERY1 Min	-0.004291	-0.036632	0.001127	0.00884
PISO 3	46	123	DERY2 Max	0.004083	0.037092	0.001087	0.008866
PISO 3	46	123	DERY2 Min	-0.004291	-0.036632	0.001127	0.00884
PISO 3	46	123	DERY3 Max	0.004124	0.037	0.001095	0.008861
PISO 3	46	123	DERY3 Min	-0.004249	-0.036724	0.001119	0.008845
PISO 3	46	123	DERY4 Max	0.004124	0.037	0.001095	0.008861
PISO 3	46	123	DERY4 Min	-0.004249	-0.036724	0.001119	0.008845
PISO 2	4	7	DERX1 Max	0.002659	0.004569	0.00061	0.000966
PISO 2	4	7	DERX1 Min	-0.002725	-0.00457	0.000633	0.000952
PISO 2	4	7	DERX2 Max	0.002659	0.004569	0.00061	0.000966
PISO 2	4	7	DERX2 Min	-0.002725	-0.00457	0.000633	0.000952
PISO 2	4	7	DERX3 Max	0.002672	0.004569	0.000615	0.000963
PISO 2	4	7	DERX3 Min	-0.002711	-0.004569	0.000629	0.000955
PISO 2	4	7	DERX4 Max	0.002672	0.004569	0.000615	0.000963
PISO 2	4	7	DERX4 Min	-0.002711	-0.004569	0.000629	0.000955
PISO 2	4	7	DERY1 Max	0.002903	0.006815	0.000653	0.00144
PISO 2	4	7	DERY1 Min	-0.002969	-0.006816	0.000676	0.001426
PISO 2	4	7	DERY2 Max	0.002903	0.006815	0.000653	0.00144
PISO 2	4	7	DERY2 Min	-0.002969	-0.006816	0.000676	0.001426
PISO 2	4	7	DERY3 Max	0.002917	0.006815	0.000657	0.001438
PISO 2	4	7	DERY3 Min	-0.002956	-0.006815	0.000671	0.001429
PISO 2	4	7	DERY4 Max	0.002917	0.006815	0.000657	0.001438
PISO 2	4	7	DERY4 Min	-0.002956	-0.006815	0.000671	0.001429
PISO 2	5	9	DERX1 Max	0.002582	0.002619	0.000583	0.000543
PISO 2	5	9	DERX1 Min	-0.002635	-0.002598	0.000598	0.000538
PISO 2	5	9	DERX2 Max	0.002582	0.002619	0.000583	0.000543
PISO 2	5	9	DERX2 Min	-0.002635	-0.002598	0.000598	0.000538
PISO 2	5	9	DERX3 Max	0.002593	0.002615	0.000586	0.000542
PISO 2	5	9	DERX3 Min	-0.002625	-0.002602	0.000595	0.000539
PISO 2	5	9	DERX4 Max	0.002593	0.002615	0.000586	0.000542
PISO 2	5	9	DERX4 Min	-0.002625	-0.002602	0.000595	0.000539
PISO 2	5	9	DERY1 Max	0.002685	0.004176	0.000553	0.000886
PISO 2	5	9	DERY1 Min	-0.002739	-0.004154	0.000568	0.00088
PISO 2	5	9	DERY2 Max	0.002685	0.004176	0.000553	0.000886
PISO 2	5	9	DERY2 Min	-0.002739	-0.004154	0.000568	0.00088
PISO 2	5	9	DERY3 Max	0.002696	0.004171	0.000556	0.000885
PISO 2	5	9	DERY3 Min	-0.002728	-0.004158	0.000565	0.000881
PISO 2	5	9	DERY4 Max	0.002696	0.004171	0.000556	0.000885
PISO 2	5	9	DERY4 Min	-0.002728	-0.004158	0.000565	0.000881
PISO 2	7	13	DERX1 Max	0.002622	0.001164	0.000588	0.000347

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	7	13	DERX1 Min	-0.002669	-0.001168	0.000597	0.00035
PISO 2	7	13	DERX2 Max	0.002622	0.001164	0.000588	0.000347
PISO 2	7	13	DERX2 Min	-0.002669	-0.001168	0.000597	0.00035
PISO 2	7	13	DERX3 Max	0.002631	0.001165	0.00059	0.000347
PISO 2	7	13	DERX3 Min	-0.002659	-0.001167	0.000595	0.000349
PISO 2	7	13	DERX4 Max	0.002631	0.001165	0.00059	0.000347
PISO 2	7	13	DERX4 Min	-0.002659	-0.001167	0.000595	0.000349
PISO 2	7	13	DERY1 Max	0.002505	0.002173	0.000459	0.000653
PISO 2	7	13	DERY1 Min	-0.002551	-0.002176	0.000468	0.000656
PISO 2	7	13	DERY2 Max	0.002505	0.002173	0.000459	0.000653
PISO 2	7	13	DERY2 Min	-0.002551	-0.002176	0.000468	0.000656
PISO 2	7	13	DERY3 Max	0.002514	0.002174	0.000461	0.000654
PISO 2	7	13	DERY3 Min	-0.002542	-0.002176	0.000466	0.000656
PISO 2	7	13	DERY4 Max	0.002514	0.002174	0.000461	0.000654
PISO 2	7	13	DERY4 Min	-0.002542	-0.002176	0.000466	0.000656
PISO 2	8	15	DERX1 Max	0.002176	0.001188	0.000577	0.000345
PISO 2	8	15	DERX1 Min	-0.002227	-0.00118	0.000589	0.000348
PISO 2	8	15	DERX2 Max	0.002176	0.001188	0.000577	0.000345
PISO 2	8	15	DERX2 Min	-0.002227	-0.00118	0.000589	0.000348
PISO 2	8	15	DERX3 Max	0.002186	0.001187	0.000579	0.000345
PISO 2	8	15	DERX3 Min	-0.002217	-0.001182	0.000587	0.000347
PISO 2	8	15	DERX4 Max	0.002186	0.001187	0.000579	0.000345
PISO 2	8	15	DERX4 Min	-0.002217	-0.001182	0.000587	0.000347
PISO 2	8	15	DERY1 Max	0.001034	0.002252	0.000267	0.000655
PISO 2	8	15	DERY1 Min	-0.001085	-0.002245	0.000279	0.000658
PISO 2	8	15	DERY2 Max	0.001034	0.002252	0.000267	0.000655
PISO 2	8	15	DERY2 Min	-0.001085	-0.002245	0.000279	0.000658
PISO 2	8	15	DERY3 Max	0.001044	0.002251	0.000269	0.000656
PISO 2	8	15	DERY3 Min	-0.001075	-0.002246	0.000276	0.000658
PISO 2	8	15	DERY4 Max	0.001044	0.002251	0.000269	0.000656
PISO 2	8	15	DERY4 Min	-0.001075	-0.002246	0.000276	0.000658
PISO 2	9	17	DERX1 Max	0.00207	0.000258	0.000606	2.5E-05
PISO 2	9	17	DERX1 Min	-0.002128	-0.000264	0.00063	3.9E-05
PISO 2	9	17	DERX2 Max	0.00207	0.000258	0.000606	2.5E-05
PISO 2	9	17	DERX2 Min	-0.002128	-0.000264	0.00063	3.9E-05
PISO 2	9	17	DERX3 Max	0.002082	0.000259	0.000611	2.7E-05
PISO 2	9	17	DERX3 Min	-0.002117	-0.000262	0.000625	3.6E-05
PISO 2	9	17	DERX4 Max	0.002082	0.000259	0.000611	2.7E-05
PISO 2	9	17	DERX4 Min	-0.002117	-0.000262	0.000625	3.6E-05
PISO 2	9	17	DERY1 Max	0.001034	0.000713	0.000305	0.000101
PISO 2	9	17	DERY1 Min	-0.001092	-0.000718	0.000329	0.000115
PISO 2	9	17	DERY2 Max	0.001034	0.000713	0.000305	0.000101
PISO 2	9	17	DERY2 Min	-0.001092	-0.000718	0.000329	0.000115
PISO 2	9	17	DERY3 Max	0.001045	0.000714	0.00031	0.000103
PISO 2	9	17	DERY3 Min	-0.00108	-0.000717	0.000324	0.000112

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	9	17	DERY4 Max	0.001045	0.000714	0.00031	0.000103
PISO 2	9	17	DERY4 Min	-0.00108	-0.000717	0.000324	0.000112
PISO 2	10	19	DERX1 Max	0.002661	0.000237	0.000821	7.3E-05
PISO 2	10	19	DERX1 Min	-0.002702	-0.000215	0.000834	6.6E-05
PISO 2	10	19	DERX2 Max	0.002661	0.000237	0.000821	7.3E-05
PISO 2	10	19	DERX2 Min	-0.002702	-0.000215	0.000834	6.6E-05
PISO 2	10	19	DERX3 Max	0.002669	0.000232	0.000824	7.2E-05
PISO 2	10	19	DERX3 Min	-0.002694	-0.000219	0.000831	6.8E-05
PISO 2	10	19	DERX4 Max	0.002669	0.000232	0.000824	7.2E-05
PISO 2	10	19	DERX4 Min	-0.002694	-0.000219	0.000831	6.8E-05
PISO 2	10	19	DERY1 Max	0.002492	0.000752	0.000769	0.000232
PISO 2	10	19	DERY1 Min	-0.002533	-0.00073	0.000782	0.000225
PISO 2	10	19	DERY2 Max	0.002492	0.000752	0.000769	0.000232
PISO 2	10	19	DERY2 Min	-0.002533	-0.00073	0.000782	0.000225
PISO 2	10	19	DERY3 Max	0.0025	0.000748	0.000772	0.000231
PISO 2	10	19	DERY3 Min	-0.002524	-0.000735	0.000779	0.000227
PISO 2	10	19	DERY4 Max	0.0025	0.000748	0.000772	0.000231
PISO 2	10	19	DERY4 Min	-0.002524	-0.000735	0.000779	0.000227
PISO 2	20	108	DERX1 Max	0.002587	0.001635	0.000579	0.000405
PISO 2	20	108	DERX1 Min	-0.002635	-0.001628	0.000588	0.000407
PISO 2	20	108	DERX2 Max	0.002587	0.001635	0.000579	0.000405
PISO 2	20	108	DERX2 Min	-0.002635	-0.001628	0.000588	0.000407
PISO 2	20	108	DERX3 Max	0.002597	0.001633	0.000581	0.000405
PISO 2	20	108	DERX3 Min	-0.002625	-0.001629	0.000586	0.000406
PISO 2	20	108	DERX4 Max	0.002597	0.001633	0.000581	0.000405
PISO 2	20	108	DERX4 Min	-0.002625	-0.001629	0.000586	0.000406
PISO 2	20	108	DERY1 Max	0.002524	0.002853	0.000473	0.000729
PISO 2	20	108	DERY1 Min	-0.002571	-0.002846	0.000482	0.000731
PISO 2	20	108	DERY2 Max	0.002524	0.002853	0.000473	0.000729
PISO 2	20	108	DERY2 Min	-0.002571	-0.002846	0.000482	0.000731
PISO 2	20	108	DERY3 Max	0.002533	0.002852	0.000475	0.00073
PISO 2	20	108	DERY3 Min	-0.002562	-0.002848	0.000481	0.000731
PISO 2	20	108	DERY4 Max	0.002533	0.002852	0.000475	0.00073
PISO 2	20	108	DERY4 Min	-0.002562	-0.002848	0.000481	0.000731
PISO 2	39	168	DERX1 Max	0.002807	0.004538	0.000678	0.000961
PISO 2	39	168	DERX1 Min	-0.002905	-0.004562	0.000692	0.000951
PISO 2	39	168	DERX2 Max	0.002807	0.004538	0.000678	0.000961
PISO 2	39	168	DERX2 Min	-0.002905	-0.004562	0.000692	0.000951
PISO 2	39	168	DERX3 Max	0.002826	0.004543	0.000681	0.000959
PISO 2	39	168	DERX3 Min	-0.002885	-0.004557	0.00069	0.000953
PISO 2	39	168	DERX4 Max	0.002826	0.004543	0.000681	0.000959
PISO 2	39	168	DERX4 Min	-0.002885	-0.004557	0.00069	0.000953
PISO 2	39	168	DERY1 Max	0.000989	0.006757	0.000281	0.001432
PISO 2	39	168	DERY1 Min	-0.001088	-0.00678	0.000296	0.001422
PISO 2	39	168	DERY2 Max	0.000989	0.006757	0.000281	0.001432

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	39	168	DERY2 Min	-0.001088	-0.00678	0.000296	0.001422
PISO 2	39	168	DERY3 Max	0.001009	0.006761	0.000284	0.00143
PISO 2	39	168	DERY3 Min	-0.001068	-0.006776	0.000293	0.001424
PISO 2	39	168	DERY4 Max	0.001009	0.006761	0.000284	0.00143
PISO 2	39	168	DERY4 Min	-0.001068	-0.006776	0.000293	0.001424
PISO 2	19	55	DERX1 Max	0.002136	0.001264	0.000659	0.00039
PISO 2	19	55	DERX1 Min	-0.002222	-0.001254	0.000686	0.000387
PISO 2	19	55	DERX2 Max	0.002136	0.001264	0.000659	0.00039
PISO 2	19	55	DERX2 Min	-0.002222	-0.001254	0.000686	0.000387
PISO 2	19	55	DERX3 Max	0.002153	0.001262	0.000665	0.00039
PISO 2	19	55	DERX3 Min	-0.002205	-0.001256	0.00068	0.000388
PISO 2	19	55	DERX4 Max	0.002153	0.001262	0.000665	0.00039
PISO 2	19	55	DERX4 Min	-0.002205	-0.001256	0.00068	0.000388
PISO 2	19	55	DERY1 Max	0.000792	0.002495	0.000244	0.00077
PISO 2	19	55	DERY1 Min	-0.000877	-0.002485	0.000271	0.000767
PISO 2	19	55	DERY2 Max	0.000792	0.002495	0.000244	0.00077
PISO 2	19	55	DERY2 Min	-0.000877	-0.002485	0.000271	0.000767
PISO 2	19	55	DERY3 Max	0.000809	0.002493	0.00025	0.00077
PISO 2	19	55	DERY3 Min	-0.00086	-0.002487	0.000265	0.000768
PISO 2	19	55	DERY4 Max	0.000809	0.002493	0.00025	0.00077
PISO 2	19	55	DERY4 Min	-0.00086	-0.002487	0.000265	0.000768
PISO 2	22	73	DERX1 Max	0.001951	0.001555	0.000602	0.00048
PISO 2	22	73	DERX1 Min	-0.002032	-0.001458	0.000627	0.00045
PISO 2	22	73	DERX2 Max	0.001951	0.001555	0.000602	0.00048
PISO 2	22	73	DERX2 Min	-0.002032	-0.001458	0.000627	0.00045
PISO 2	22	73	DERX3 Max	0.001967	0.001536	0.000607	0.000474
PISO 2	22	73	DERX3 Min	-0.002016	-0.001478	0.000622	0.000456
PISO 2	22	73	DERX4 Max	0.001967	0.001536	0.000607	0.000474
PISO 2	22	73	DERX4 Min	-0.002016	-0.001478	0.000622	0.000456
PISO 2	22	73	DERY1 Max	0.000759	0.004436	0.000234	0.001369
PISO 2	22	73	DERY1 Min	-0.00084	-0.004339	0.000259	0.001339
PISO 2	22	73	DERY2 Max	0.000759	0.004436	0.000234	0.001369
PISO 2	22	73	DERY2 Min	-0.00084	-0.004339	0.000259	0.001339
PISO 2	22	73	DERY3 Max	0.000775	0.004417	0.000239	0.001363
PISO 2	22	73	DERY3 Min	-0.000824	-0.004359	0.000254	0.001345
PISO 2	22	73	DERY4 Max	0.000775	0.004417	0.000239	0.001363
PISO 2	22	73	DERY4 Min	-0.000824	-0.004359	0.000254	0.001345
PISO 2	27	77	DERX1 Max	0.001786	0.002623	0.000551	0.000809
PISO 2	27	77	DERX1 Min	-0.001866	-0.002405	0.000576	0.000742
PISO 2	27	77	DERX2 Max	0.001786	0.002623	0.000551	0.000809
PISO 2	27	77	DERX2 Min	-0.001866	-0.002405	0.000576	0.000742
PISO 2	27	77	DERX3 Max	0.001802	0.002579	0.000556	0.000796
PISO 2	27	77	DERX3 Min	-0.00185	-0.002449	0.000571	0.000756
PISO 2	27	77	DERX4 Max	0.001802	0.002579	0.000556	0.000796
PISO 2	27	77	DERX4 Min	-0.00185	-0.002449	0.000571	0.000756

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	27	77	DERY1 Max	0.000717	0.007158	0.000221	0.002209
PISO 2	27	77	DERY1 Min	-0.000796	-0.006941	0.000246	0.002142
PISO 2	27	77	DERY2 Max	0.000717	0.007158	0.000221	0.002209
PISO 2	27	77	DERY2 Min	-0.000796	-0.006941	0.000246	0.002142
PISO 2	27	77	DERY3 Max	0.000733	0.007115	0.000226	0.002196
PISO 2	27	77	DERY3 Min	-0.00078	-0.006985	0.000241	0.002156
PISO 2	27	77	DERY4 Max	0.000733	0.007115	0.000226	0.002196
PISO 2	27	77	DERY4 Min	-0.00078	-0.006985	0.000241	0.002156
PISO 2	46	121	DERX1 Max	0.001563	0.003879	0.000483	0.001197
PISO 2	46	121	DERX1 Min	-0.00164	-0.003504	0.000506	0.001081
PISO 2	46	121	DERX2 Max	0.001563	0.003879	0.000483	0.001197
PISO 2	46	121	DERX2 Min	-0.00164	-0.003504	0.000506	0.001081
PISO 2	46	121	DERX3 Max	0.001579	0.003804	0.000487	0.001174
PISO 2	46	121	DERX3 Min	-0.001625	-0.003579	0.000502	0.001105
PISO 2	46	121	DERX4 Max	0.001579	0.003804	0.000487	0.001174
PISO 2	46	121	DERX4 Min	-0.001625	-0.003579	0.000502	0.001105
PISO 2	46	121	DERY1 Max	0.000656	0.009246	0.000203	0.002854
PISO 2	46	121	DERY1 Min	-0.000733	-0.008871	0.000226	0.002738
PISO 2	46	121	DERY2 Max	0.000656	0.009246	0.000203	0.002854
PISO 2	46	121	DERY2 Min	-0.000733	-0.008871	0.000226	0.002738
PISO 2	46	121	DERY3 Max	0.000672	0.009171	0.000207	0.002831
PISO 2	46	121	DERY3 Min	-0.000718	-0.008946	0.000222	0.002761
PISO 2	46	121	DERY4 Max	0.000672	0.009171	0.000207	0.002831
PISO 2	46	121	DERY4 Min	-0.000718	-0.008946	0.000222	0.002761
PISO 1	4	58	DERX1 Max	0.00088	0.001633	0.000314	0.000583
PISO 1	4	58	DERX1 Min	-0.000871	-0.00168	0.000311	0.0006
PISO 1	4	58	DERX2 Max	0.00088	0.001633	0.000314	0.000583
PISO 1	4	58	DERX2 Min	-0.000871	-0.00168	0.000311	0.0006
PISO 1	4	58	DERX3 Max	0.000878	0.001643	0.000314	0.000587
PISO 1	4	58	DERX3 Min	-0.000873	-0.001671	0.000312	0.000597
PISO 1	4	58	DERX4 Max	0.000878	0.001643	0.000314	0.000587
PISO 1	4	58	DERX4 Min	-0.000873	-0.001671	0.000312	0.000597
PISO 1	4	58	DERY1 Max	0.001197	0.00253	0.000427	0.000904
PISO 1	4	58	DERY1 Min	-0.001188	-0.002577	0.000424	0.00092
PISO 1	4	58	DERY2 Max	0.001197	0.00253	0.000427	0.000904
PISO 1	4	58	DERY2 Min	-0.001188	-0.002577	0.000424	0.00092
PISO 1	4	58	DERY3 Max	0.001195	0.002539	0.000427	0.000907
PISO 1	4	58	DERY3 Min	-0.00119	-0.002567	0.000425	0.000917
PISO 1	4	58	DERY4 Max	0.001195	0.002539	0.000427	0.000907
PISO 1	4	58	DERY4 Min	-0.00119	-0.002567	0.000425	0.000917
PISO 1	5	59	DERX1 Max	0.000853	0.000866	0.000305	0.000309
PISO 1	5	59	DERX1 Min	-0.000859	-0.000863	0.000307	0.000308
PISO 1	5	59	DERX2 Max	0.000853	0.000866	0.000305	0.000309
PISO 1	5	59	DERX2 Min	-0.000859	-0.000863	0.000307	0.000308
PISO 1	5	59	DERX3 Max	0.000854	0.000866	0.000305	0.000309

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 1	5	59	DERX3 Min	-0.000858	-0.000864	0.000306	0.000309
PISO 1	5	59	DERX4 Max	0.000854	0.000866	0.000305	0.000309
PISO 1	5	59	DERX4 Min	-0.000858	-0.000864	0.000306	0.000309
PISO 1	5	59	DERY1 Max	0.001169	0.001342	0.000418	0.000479
PISO 1	5	59	DERY1 Min	-0.001175	-0.001339	0.00042	0.000478
PISO 1	5	59	DERY2 Max	0.001169	0.001342	0.000418	0.000479
PISO 1	5	59	DERY2 Min	-0.001175	-0.001339	0.00042	0.000478
PISO 1	5	59	DERY3 Max	0.00117	0.001341	0.000418	0.000479
PISO 1	5	59	DERY3 Min	-0.001174	-0.00134	0.000419	0.000479
PISO 1	5	59	DERY4 Max	0.00117	0.001341	0.000418	0.000479
PISO 1	5	59	DERY4 Min	-0.001174	-0.00134	0.000419	0.000479
PISO 1	7	61	DERX1 Max	0.000848	6.6E-05	0.000303	2.4E-05
PISO 1	7	61	DERX1 Min	-0.000866	-5.9E-05	0.000309	2.1E-05
PISO 1	7	61	DERX2 Max	0.000848	6.6E-05	0.000303	2.4E-05
PISO 1	7	61	DERX2 Min	-0.000866	-5.9E-05	0.000309	2.1E-05
PISO 1	7	61	DERX3 Max	0.000852	6.5E-05	0.000304	2.3E-05
PISO 1	7	61	DERX3 Min	-0.000863	-6.1E-05	0.000308	2.2E-05
PISO 1	7	61	DERX4 Max	0.000852	6.5E-05	0.000304	2.3E-05
PISO 1	7	61	DERX4 Min	-0.000863	-6.1E-05	0.000308	2.2E-05
PISO 1	7	61	DERY1 Max	0.001155	0.000412	0.000412	5E-05
PISO 1	7	61	DERY1 Min	-0.001173	-0.000134	0.000419	4.8E-05
PISO 1	7	61	DERY2 Max	0.001155	0.000412	0.000412	5E-05
PISO 1	7	61	DERY2 Min	-0.001173	-0.000134	0.000419	4.8E-05
PISO 1	7	61	DERY3 Max	0.001159	0.000139	0.000414	5E-05
PISO 1	7	61	DERY3 Min	-0.00117	-0.000135	0.000418	4.8E-05
PISO 1	7	61	DERY4 Max	0.001159	0.000139	0.000414	5E-05
PISO 1	7	61	DERY4 Min	-0.00117	-0.000135	0.000418	4.8E-05
PISO 1	8	62	DERX1 Max	0.000311	0.000114	0.000111	4.1E-05
PISO 1	8	62	DERX1 Min	-0.000323	-9.7E-05	0.000115	3.5E-05
PISO 1	8	62	DERX2 Max	0.000311	0.000114	0.000111	4.1E-05
PISO 1	8	62	DERX2 Min	-0.000323	-9.7E-05	0.000115	3.5E-05
PISO 1	8	62	DERX3 Max	0.000314	0.000111	0.000112	4E-05
PISO 1	8	62	DERX3 Min	-0.000321	-0.0001	0.000115	3.6E-05
PISO 1	8	62	DERX4 Max	0.000314	0.000111	0.000112	4E-05
PISO 1	8	62	DERX4 Min	-0.000321	-0.0001	0.000115	3.6E-05
PISO 1	8	62	DERY1 Max	0.000176	0.000202	6.3E-05	7.2E-05
PISO 1	8	62	DERY1 Min	-0.000187	-0.000184	6.7E-05	6.6E-05
PISO 1	8	62	DERY2 Max	0.000176	0.000202	6.3E-05	7.2E-05
PISO 1	8	62	DERY2 Min	-0.000187	-0.000184	6.7E-05	6.6E-05
PISO 1	8	62	DERY3 Max	0.000178	0.000198	6.4E-05	7.1E-05
PISO 1	8	62	DERY3 Min	-0.000185	-0.000188	6.6E-05	6.7E-05
PISO 1	8	62	DERY4 Max	0.000178	0.000198	6.4E-05	7.1E-05
PISO 1	8	62	DERY4 Min	-0.000185	-0.000188	6.6E-05	6.7E-05
PISO 1	9	63	DERX1 Max	0.000108	0.000186	3.9E-05	6.7E-05
PISO 1	9	63	DERX1 Min	-8.9E-05	-0.000146	3.2E-05	5.2E-05

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 1	9	63	DERX2 Max	0.000108	0.000186	3.9E-05	6.7E-05
PISO 1	9	63	DERX2 Min	-8.9E-05	-0.000146	3.2E-05	5.2E-05
PISO 1	9	63	DERX3 Max	0.000104	0.000178	3.7E-05	6.4E-05
PISO 1	9	63	DERX3 Min	-9.3E-05	-0.000154	3.3E-05	5.5E-05
PISO 1	9	63	DERX4 Max	0.000104	0.000178	3.7E-05	6.4E-05
PISO 1	9	63	DERX4 Min	-9.3E-05	-0.000154	3.3E-05	5.5E-05
PISO 1	9	63	DERY1 Max	7.7E-05	0.00039	2.7E-05	0.000139
PISO 1	9	63	DERY1 Min	-5.7E-05	-0.00035	2E-05	0.000125
PISO 1	9	63	DERY2 Max	7.7E-05	0.00039	2.7E-05	0.000139
PISO 1	9	63	DERY2 Min	-5.7E-05	-0.00035	2E-05	0.000125
PISO 1	9	63	DERY3 Max	7.3E-05	0.000382	2.6E-05	0.000136
PISO 1	9	63	DERY3 Min	-6.1E-05	-0.000358	2.2E-05	0.000128
PISO 1	9	63	DERY4 Max	7.3E-05	0.000382	2.6E-05	0.000136
PISO 1	9	63	DERY4 Min	-6.1E-05	-0.000358	2.2E-05	0.000128
PISO 1	20	110	DERX1 Max	0.000846	0.000331	0.000302	0.000118
PISO 1	20	110	DERX1 Min	-0.000864	-0.000318	0.000309	0.000114
PISO 1	20	110	DERX2 Max	0.000846	0.000331	0.000302	0.000118
PISO 1	20	110	DERX2 Min	-0.000864	-0.000318	0.000309	0.000114
PISO 1	20	110	DERX3 Max	0.000849	0.000328	0.000303	0.000117
PISO 1	20	110	DERX3 Min	-0.00086	-0.000321	0.000307	0.000114
PISO 1	20	110	DERX4 Max	0.000849	0.000328	0.000303	0.000117
PISO 1	20	110	DERX4 Min	-0.00086	-0.000321	0.000307	0.000114
PISO 1	20	110	DERY1 Max	0.001158	0.000536	0.000413	0.000191
PISO 1	20	110	DERY1 Min	-0.001176	-0.000522	0.00042	0.000187
PISO 1	20	110	DERY2 Max	0.001158	0.000536	0.000413	0.000191
PISO 1	20	110	DERY2 Min	-0.001176	-0.000522	0.00042	0.000187
PISO 1	20	110	DERY3 Max	0.001161	0.000533	0.000415	0.00019
PISO 1	20	110	DERY3 Min	-0.001172	-0.000525	0.000419	0.000188
PISO 1	20	110	DERY4 Max	0.001161	0.000533	0.000415	0.00019
PISO 1	20	110	DERY4 Min	-0.001172	-0.000525	0.000419	0.000188
PISO 1	39	323	DERX1 Max	0.000669	0.00162	0.000239	0.000578
PISO 1	39	323	DERX1 Min	-0.00072	-0.001676	0.000257	0.000599
PISO 1	39	323	DERX2 Max	0.000669	0.00162	0.000239	0.000578
PISO 1	39	323	DERX2 Min	-0.00072	-0.001676	0.000257	0.000599
PISO 1	39	323	DERX3 Max	0.000679	0.001631	0.000243	0.000583
PISO 1	39	323	DERX3 Min	-0.00071	-0.001665	0.000254	0.000595
PISO 1	39	323	DERX4 Max	0.000679	0.001631	0.000243	0.000583
PISO 1	39	323	DERX4 Min	-0.00071	-0.001665	0.000254	0.000595
PISO 1	39	323	DERY1 Max	0.000323	0.002504	0.000116	0.000894
PISO 1	39	323	DERY1 Min	-0.000375	-0.00256	0.000134	0.000914
PISO 1	39	323	DERY2 Max	0.000323	0.002504	0.000116	0.000894
PISO 1	39	323	DERY2 Min	-0.000375	-0.00256	0.000134	0.000914
PISO 1	39	323	DERY3 Max	0.000334	0.002515	0.000119	0.000898
PISO 1	39	323	DERY3 Min	-0.000365	-0.002549	0.00013	0.00091
PISO 1	39	323	DERY4 Max	0.000334	0.002515	0.000119	0.000898

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 1	39	323	DERY4 Min	-0.000365	-0.002549	0.00013	0.00091

CONTROL DE DERIVAS MAXIMAS NSR-10  
JARDIN INFANTIL ARBOLEDA SANTA TERESITA.  
SEPTIEMBRE DE 2018

TABLE: Joint Drifts								
Story	Label	Unique Name	load Case/Comb	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
CUB	21	122	DERY1 Max	0.010994	0.062493	0.00159	0.009881	1.00%
CUB	21	122	DERY2 Max	0.010994	0.062493	0.00159	0.009881	1.00%
CUB	21	122	DERY3 Max	0.010922	0.061924	0.00159	0.009757	0.99%
CUB	21	122	DERY4 Max	0.010922	0.061924	0.00159	0.009757	0.99%
CUB	23	124	DERY1 Max	0.003985	0.062441	0.000393	0.009659	0.97%
CUB	23	124	DERY2 Max	0.003985	0.062441	0.000393	0.009659	0.97%
CUB	23	124	DERY3 Max	0.003975	0.061877	0.000407	0.009604	0.96%
CUB	23	124	DERY4 Max	0.003975	0.061877	0.000407	0.009604	0.96%
CUB	23	124	DERY3 Min	-0.003947	-0.060186	0.000449	0.009437	0.94%
CUB	23	124	DERY4 Min	-0.003947	-0.060186	0.000449	0.009437	0.94%
CUB	21	122	DERY3 Min	-0.010707	-0.060215	0.001589	0.009386	0.95%
CUB	21	122	DERY4 Min	-0.010707	-0.060215	0.001589	0.009386	0.95%
CUB	23	124	DERY1 Min	-0.003937	-0.059622	0.000463	0.009381	0.94%
CUB	23	124	DERY2 Min	-0.003937	-0.059622	0.000463	0.009381	0.94%
CUB	21	122	DERY1 Min	-0.010636	-0.059646	0.001588	0.009263	0.94%
CUB	21	122	DERY2 Min	-0.010636	-0.059646	0.001588	0.009263	0.94%
PISO 3	46	123	DERY1 Max	0.004083	0.037092	0.001087	0.008866	0.89%
PISO 3	46	123	DERY2 Max	0.004083	0.037092	0.001087	0.008866	0.89%
PISO 3	46	123	DERY3 Max	0.004124	0.037	0.001095	0.008861	0.89%
PISO 3	46	123	DERY4 Max	0.004124	0.037	0.001095	0.008861	0.89%
PISO 3	46	123	DERY3 Min	-0.004249	-0.036724	0.001119	0.008845	0.89%
PISO 3	46	123	DERY4 Min	-0.004249	-0.036724	0.001119	0.008845	0.89%
PISO 3	46	123	DERY1 Min	-0.004291	-0.036632	0.001127	0.00884	0.89%
PISO 3	46	123	DERY2 Min	-0.004291	-0.036632	0.001127	0.00884	0.89%
CUB	16	52	DERY1 Max	0.011116	0.054818	0.001529	0.008544	0.87%
CUB	16	52	DERY2 Max	0.011116	0.054818	0.001529	0.008544	0.87%
PISO 3	23	83	DERY1 Max	0.002338	0.027365	0.000722	0.008446	0.85%
PISO 3	23	83	DERY2 Max	0.002338	0.027365	0.000722	0.008446	0.85%
PISO 3	21	81	DERY1 Max	0.005128	0.027346	0.001583	0.00844	0.86%
PISO 3	21	81	DERY2 Max	0.005128	0.027346	0.001583	0.00844	0.86%
CUB	16	52	DERY3 Max	0.011042	0.054308	0.001518	0.0084	0.85%
CUB	16	52	DERY4 Max	0.011042	0.054308	0.001518	0.0084	0.85%
PISO 3	23	83	DERY3 Max	0.002346	0.027131	0.000724	0.008374	0.84%
PISO 3	23	83	DERY4 Max	0.002346	0.027131	0.000724	0.008374	0.84%
PISO 3	21	81	DERY3 Max	0.005094	0.027116	0.001572	0.008369	0.85%
PISO 3	21	81	DERY4 Max	0.005094	0.027116	0.001572	0.008369	0.85%
PISO 3	23	83	DERY3 Min	-0.002368	-0.026428	0.000731	0.008157	0.82%
PISO 3	23	83	DERY4 Min	-0.002368	-0.026428	0.000731	0.008157	0.82%
PISO 3	21	81	DERY3 Min	-0.004994	-0.026426	0.001541	0.008156	0.83%
PISO 3	21	81	DERY4 Min	-0.004994	-0.026426	0.001541	0.008156	0.83%
PISO 3	21	81	DERY1 Min	-0.00496	-0.026197	0.001531	0.008085	0.82%
PISO 3	21	81	DERY2 Min	-0.00496	-0.026197	0.001531	0.008085	0.82%
PISO 3	23	83	DERY1 Min	-0.002376	-0.026193	0.000733	0.008084	0.81%
PISO 3	23	83	DERY2 Min	-0.002376	-0.026193	0.000733	0.008084	0.81%
CUB	16	52	DERY3 Min	-0.01082	-0.052778	0.001487	0.007966	0.81%

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TABLE: Joint Drifts								
Story	Label	Unique Name	load Case/Comb	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
CUB	16	52	DERY4 Min	-0.01082	-0.052778	0.001487	0.007966	0.81%
CUB	16	52	DERY1 Min	-0.010747	-0.052268	0.001476	0.007821	0.80%
CUB	16	52	DERY2 Min	-0.010747	-0.052268	0.001476	0.007821	0.80%
CUB	15	51	DERY1 Max	0.003925	0.054918	0.000452	0.007594	0.76%
CUB	15	51	DERY2 Max	0.003925	0.054918	0.000452	0.007594	0.76%
PISO 3	15	30	DERY1 Max	0.00233	0.024435	0.000719	0.007542	0.76%
PISO 3	15	30	DERY2 Max	0.00233	0.024435	0.000719	0.007542	0.76%
CUB	15	51	DERY3 Max	0.003917	0.054411	0.000426	0.00754	0.76%
CUB	15	51	DERY4 Max	0.003917	0.054411	0.000426	0.00754	0.76%
PISO 3	16	32	DERY1 Max	0.005162	0.024402	0.001593	0.007531	0.77%
PISO 3	16	32	DERY2 Max	0.005162	0.024402	0.001593	0.007531	0.77%
PISO 3	15	30	DERY3 Max	0.002338	0.024243	0.000722	0.007482	0.75%
PISO 3	15	30	DERY4 Max	0.002338	0.024243	0.000722	0.007482	0.75%
PISO 3	16	32	DERY3 Max	0.005128	0.024212	0.001583	0.007473	0.76%
PISO 3	16	32	DERY4 Max	0.005128	0.024212	0.001583	0.007473	0.76%
CUB	15	51	DERY3 Min	-0.003892	-0.052888	0.000349	0.007377	0.74%
CUB	15	51	DERY4 Min	-0.003892	-0.052888	0.000349	0.007377	0.74%
CUB	15	51	DERY1 Min	-0.003884	-0.052381	0.000323	0.007323	0.73%
CUB	15	51	DERY2 Min	-0.003884	-0.052381	0.000323	0.007323	0.73%
PISO 3	15	30	DERY3 Min	-0.002363	-0.023666	0.000729	0.007304	0.73%
PISO 3	15	30	DERY4 Min	-0.002363	-0.023666	0.000729	0.007304	0.73%
PISO 3	16	32	DERY3 Min	-0.005028	-0.023642	0.001552	0.007297	0.75%
PISO 3	16	32	DERY4 Min	-0.005028	-0.023642	0.001552	0.007297	0.75%
PISO 3	15	30	DERY1 Min	-0.002371	-0.023474	0.000732	0.007245	0.73%
PISO 3	15	30	DERY2 Min	-0.002371	-0.023474	0.000732	0.007245	0.73%
PISO 3	16	32	DERY1 Min	-0.004995	-0.023453	0.001542	0.007238	0.74%
PISO 3	16	32	DERY2 Min	-0.004995	-0.023453	0.001542	0.007238	0.74%
CUB	14	50	DERY1 Max	0.011253	0.046885	0.001563	0.007086	0.73%
CUB	14	50	DERY2 Max	0.011253	0.046885	0.001563	0.007086	0.73%
CUB	14	50	DERY3 Max	0.011175	0.04644	0.001552	0.006947	0.71%
CUB	14	50	DERY4 Max	0.011175	0.04644	0.001552	0.006947	0.71%
PISO 3	27	82	DERY1 Max	0.004067	0.028508	0.00106	0.006792	0.69%
PISO 3	27	82	DERY2 Max	0.004067	0.028508	0.00106	0.006792	0.69%
PISO 3	27	82	DERY3 Max	0.004107	0.028454	0.001067	0.006789	0.69%
PISO 3	27	82	DERY4 Max	0.004107	0.028454	0.001067	0.006789	0.69%
PISO 3	27	82	DERY3 Min	-0.004228	-0.028295	0.00109	0.00678	0.69%
PISO 3	27	82	DERY4 Min	-0.004228	-0.028295	0.00109	0.00678	0.69%
PISO 3	27	82	DERY1 Min	-0.004268	-0.028242	0.001097	0.006777	0.69%
PISO 3	27	82	DERY2 Min	-0.004268	-0.028242	0.001097	0.006777	0.69%
PISO 3	13	26	DERY1 Max	0.002302	0.021491	0.00071	0.006633	0.67%
PISO 3	13	26	DERY2 Max	0.002302	0.021491	0.00071	0.006633	0.67%
PISO 3	14	28	DERY1 Max	0.005232	0.021461	0.001615	0.006624	0.68%
PISO 3	14	28	DERY2 Max	0.005232	0.021461	0.001615	0.006624	0.68%
PISO 3	13	26	DERY3 Max	0.00231	0.021339	0.000713	0.006586	0.66%
PISO 3	13	26	DERY4 Max	0.00231	0.021339	0.000713	0.006586	0.66%
PISO 3	14	28	DERY3 Max	0.0052	0.021311	0.001605	0.006577	0.68%

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
PISO 3	14	28	DERY4 Max	0.0052	0.021311	0.001605	0.006577	0.68%	
CUB	14	50	DERY3 Min	-0.010943	-0.045103	0.001518	0.006531	0.67%	
CUB	14	50	DERY4 Min	-0.010943	-0.045103	0.001518	0.006531	0.67%	
PISO 3	13	26	DERY3 Min	-0.002333	-0.020881	0.00072	0.006445	0.65%	
PISO 3	13	26	DERY4 Min	-0.002333	-0.020881	0.00072	0.006445	0.65%	
PISO 3	14	28	DERY3 Min	-0.005103	-0.020861	0.001575	0.006439	0.66%	
PISO 3	14	28	DERY4 Min	-0.005103	-0.020861	0.001575	0.006439	0.66%	
PISO 3	13	26	DERY1 Min	-0.002341	-0.020729	0.000722	0.006398	0.64%	
PISO 3	13	26	DERY2 Min	-0.002341	-0.020729	0.000722	0.006398	0.64%	
CUB	14	50	DERY1 Min	-0.010865	-0.044657	0.001507	0.006392	0.66%	
CUB	14	50	DERY2 Min	-0.010865	-0.044657	0.001507	0.006392	0.66%	
PISO 3	14	28	DERY1 Min	-0.005071	-0.020711	0.001565	0.006392	0.66%	
PISO 3	14	28	DERY2 Min	-0.005071	-0.020711	0.001565	0.006392	0.66%	
CUB	13	49	DERY1 Max	0.003859	0.046838	0.000386	0.006255	0.63%	
CUB	13	49	DERY2 Max	0.003859	0.046838	0.000386	0.006255	0.63%	
CUB	13	49	DERY3 Max	0.003853	0.046397	0.000386	0.006203	0.62%	
CUB	13	49	DERY4 Max	0.003853	0.046397	0.000386	0.006203	0.62%	
CUB	13	49	DERY3 Min	-0.003834	-0.045075	0.000385	0.006047	0.61%	
CUB	13	49	DERY4 Min	-0.003834	-0.045075	0.000385	0.006047	0.61%	
CUB	13	49	DERY1 Min	-0.003828	-0.044634	0.000384	0.005995	0.60%	
CUB	13	49	DERY2 Min	-0.003828	-0.044634	0.000384	0.005995	0.60%	
PISO 3A	4	94	DERY1 Max	0.027716	0.029671	0.004334	0.00579	0.72%	
PISO 3A	4	94	DERY2 Max	0.027716	0.029671	0.004334	0.00579	0.72%	
PISO 3	11	22	DERY1 Max	0.002261	0.018609	0.000698	0.005744	0.58%	
PISO 3	11	22	DERY2 Max	0.002261	0.018609	0.000698	0.005744	0.58%	
PISO 3	12	24	DERY1 Max	0.00531	0.018602	0.001639	0.005741	0.60%	
PISO 3	12	24	DERY2 Max	0.00531	0.018602	0.001639	0.005741	0.60%	
PISO 3	11	22	DERY3 Max	0.002268	0.018495	0.0007	0.005708	0.58%	
PISO 3	11	22	DERY4 Max	0.002268	0.018495	0.0007	0.005708	0.58%	
PISO 3	12	24	DERY3 Max	0.005279	0.018489	0.001629	0.005707	0.59%	
PISO 3	12	24	DERY4 Max	0.005279	0.018489	0.001629	0.005707	0.59%	
PISO 3	12	24	DERY3 Min	-0.005186	-0.018153	0.001601	0.005603	0.58%	
PISO 3	12	24	DERY4 Min	-0.005186	-0.018153	0.001601	0.005603	0.58%	
PISO 3	11	22	DERY3 Min	-0.002291	-0.018152	0.000707	0.005602	0.56%	
PISO 3	11	22	DERY4 Min	-0.002291	-0.018152	0.000707	0.005602	0.56%	
PISO 3A	39	311	DERY1 Min	-0.003552	-0.028467	0.000863	0.005597	0.57%	
PISO 3A	39	311	DERY2 Min	-0.003552	-0.028467	0.000863	0.005597	0.57%	
PISO 3	12	24	DERY1 Min	-0.005155	-0.01804	0.001591	0.005568	0.58%	
PISO 3	12	24	DERY2 Min	-0.005155	-0.01804	0.001591	0.005568	0.58%	
PISO 3	11	22	DERY1 Min	-0.002298	-0.018038	0.000709	0.005567	0.56%	
PISO 3	11	22	DERY3 Min	-0.002298	-0.018038	0.000709	0.005567	0.56%	
CUB	12	48	DERY1 Max	0.01138	0.038801	0.001572	0.005546	0.58%	
CUB	12	48	DERY2 Max	0.01138	0.038801	0.001572	0.005546	0.58%	
PISO 3A	4	94	DERY4 Max	0.027892	0.029524	0.004484	0.005516	0.71%	
PISO 3A	4	94	DERY4 Max	0.027892	0.029524	0.004484	0.005516	0.71%	
CUB	12	48	DERY3 Max	0.011298	0.038427	0.00156	0.005405	0.56%	

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JARDIN INFANTIL ARBOLEDA SANTA TERESITA.  
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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
CUB	12	48	DERY4 Max	0.011298	0.038427	0.00156	0.005405	0.56%	
PISO 3A	39	311	DERY3 Min	-0.003505	-0.028589	0.000729	0.005366	0.54%	
PISO 3A	39	311	DERY4 Min	-0.003505	-0.028589	0.000729	0.005366	0.54%	
PISO 3	22	76	DERY1 Max	0.004071	0.020351	0.001048	0.005011	0.51%	
PISO 3	22	76	DERY2 Max	0.004071	0.020351	0.001048	0.005011	0.51%	
PISO 3	22	76	DERY3 Max	0.004109	0.020309	0.001054	0.005004	0.51%	
PISO 3	22	76	DERY4 Max	0.004109	0.020309	0.001054	0.005004	0.51%	
CUB	12	48	DERY3 Min	-0.011053	-0.037305	0.001523	0.004984	0.52%	
CUB	12	48	DERY4 Min	-0.011053	-0.037305	0.001523	0.004984	0.52%	
PISO 3	22	76	DERY3 Min	-0.004221	-0.020185	0.001074	0.004983	0.51%	
PISO 3	22	76	DERY4 Min	-0.004221	-0.020185	0.001074	0.004983	0.51%	
PISO 3	22	76	DERY1 Min	-0.004259	-0.020143	0.00108	0.004977	0.51%	
PISO 3	22	76	DERY2 Min	-0.004259	-0.020143	0.00108	0.004977	0.51%	
CUB	12	48	DERY1 Min	-0.010971	-0.03693	0.00151	0.004843	0.51%	
CUB	12	48	DERY2 Min	-0.010971	-0.03693	0.00151	0.004843	0.51%	
CUB	11	47	DERY1 Max	0.003793	0.03884	0.00037	0.004731	0.47%	
CUB	11	47	DERY2 Max	0.003793	0.03884	0.00037	0.004731	0.47%	
PISO 3	9	18	DERY1 Max	0.002204	0.015934	0.000439	0.004715	0.47%	
PISO 3	9	18	DERY2 Max	0.002204	0.015934	0.000439	0.004715	0.47%	
CUB	11	47	DERY3 Max	0.003788	0.038469	0.000366	0.004694	0.47%	
CUB	11	47	DERY4 Max	0.003788	0.038469	0.000366	0.004694	0.47%	
PISO 3A	4	94	DERY3 Min	-0.028418	-0.029081	0.004934	0.004694	0.68%	
PISO 3A	4	94	DERY4 Min	-0.028418	-0.029081	0.004934	0.004694	0.68%	
PISO 3	9	18	DERY3 Max	0.002212	0.015856	0.000438	0.00469	0.47%	
PISO 3	9	18	DERY4 Max	0.002212	0.015856	0.000438	0.00469	0.47%	
PISO 3	10	20	DERY1 Max	0.005396	0.015894	0.001491	0.004688	0.49%	
PISO 3	10	20	DERY2 Max	0.005396	0.015894	0.001491	0.004688	0.49%	
PISO 3A	39	311	DERY3 Max	0.003361	0.028954	0.000328	0.004671	0.47%	
PISO 3A	39	311	DERY4 Max	0.003361	0.028954	0.000328	0.004671	0.47%	
PISO 3	10	20	DERY3 Max	0.005366	0.015819	0.001479	0.004666	0.49%	
PISO 3	10	20	DERY4 Max	0.005366	0.015819	0.001479	0.004666	0.49%	
PISO 3	9	18	DERY3 Min	-0.002234	-0.015622	0.000434	0.004617	0.46%	
PISO 3	9	18	DERY4 Min	-0.002234	-0.015622	0.000434	0.004617	0.46%	
PISO 3	10	20	DERY3 Min	-0.005278	-0.015594	0.001445	0.004601	0.48%	
PISO 3	10	20	DERY4 Min	-0.005278	-0.015594	0.001445	0.004601	0.48%	
PISO 3	9	18	DERY1 Min	-0.002241	-0.015544	0.000433	0.004593	0.46%	
PISO 3	9	18	DERY2 Min	-0.002241	-0.015544	0.000433	0.004593	0.46%	
CUB	11	47	DERY3 Min	-0.00377	-0.037355	0.000355	0.004582	0.46%	
CUB	11	47	DERY4 Min	-0.00377	-0.037355	0.000355	0.004582	0.46%	
PISO 3	10	20	DERY1 Min	-0.005249	-0.015519	0.001433	0.004579	0.48%	
PISO 3	10	20	DERY2 Min	-0.005249	-0.015519	0.001433	0.004579	0.48%	
CUB	11	47	DERY1 Min	-0.003765	-0.036984	0.000351	0.004545	0.46%	
CUB	11	47	DERY2 Min	-0.003765	-0.036984	0.000351	0.004545	0.46%	
PISO 3A	39	311	DERY1 Max	0.003313	0.029075	0.000194	0.004439	0.44%	
PISO 3A	39	311	DERY2 Max	0.003313	0.029075	0.000194	0.004439	0.44%	
PISO 3A	4	94	DERY1 Min	-0.028594	-0.028934	0.005084	0.004421	0.67%	



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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
PISO 3A	4	94	DERY2 Min	-0.028594	-0.028934	0.005084	0.004421	0.67%	
CUB	10	46	DERY1 Max	0.01144	0.030881	0.001544	0.004141	0.44%	
CUB	10	46	DERY2 Max	0.01144	0.030881	0.001544	0.004141	0.44%	
CUB	10	46	DERY3 Max	0.011354	0.030585	0.001533	0.004009	0.43%	
CUB	10	46	DERY4 Max	0.011354	0.030585	0.001533	0.004009	0.43%	
PISO 3A	4	94	DERX1 Max	0.01795	0.019519	0.002669	0.004005	0.48%	
PISO 3A	4	94	DERX2 Max	0.01795	0.019519	0.002669	0.004005	0.48%	
PISO 3A	39	311	DERX1 Min	-0.00773	-0.018518	0.001044	0.003847	0.40%	
PISO 3A	39	311	DERX2 Min	-0.00773	-0.018518	0.001044	0.003847	0.40%	
PISO 3A	4	94	DERX3 Max	0.018125	0.019371	0.002819	0.003731	0.47%	
PISO 3A	4	94	DERX4 Max	0.018125	0.019371	0.002819	0.003731	0.47%	
PISO 3A	39	311	DERX3 Min	-0.007682	-0.01864	0.00091	0.003615	0.37%	
PISO 3A	39	311	DERX4 Min	-0.007682	-0.01864	0.00091	0.003615	0.37%	
CUB	10	46	DERY3 Min	-0.011097	-0.029696	0.0015	0.003614	0.39%	
CUB	10	46	DERY4 Min	-0.011097	-0.029696	0.0015	0.003614	0.39%	
PISO 3	19	42	DERY1 Max	0.003993	0.013903	0.001018	0.003589	0.37%	
PISO 3	19	42	DERY2 Max	0.003993	0.013903	0.001018	0.003589	0.37%	
PISO 3	19	42	DERY3 Max	0.00403	0.013865	0.001024	0.003578	0.37%	
PISO 3	19	42	DERY4 Max	0.00403	0.013865	0.001024	0.003578	0.37%	
PISO 3	8	16	DERY1 Max	0.00215	0.013585	0.0004	0.003566	0.36%	
PISO 3	8	16	DERY2 Max	0.00215	0.013585	0.0004	0.003566	0.36%	
PISO 3	8	16	DERY3 Max	0.002156	0.013543	0.000398	0.003554	0.36%	
PISO 3	8	16	DERY4 Max	0.002156	0.013543	0.000398	0.003554	0.36%	
PISO 3	19	42	DERY3 Min	-0.00414	-0.013752	0.001043	0.003546	0.37%	
PISO 3	19	42	DERY4 Min	-0.00414	-0.013752	0.001043	0.003546	0.37%	
PISO 3	7	14	DERY1 Max	0.005434	0.013435	0.0015	0.003545	0.38%	
PISO 3	7	14	DERY2 Max	0.005434	0.013435	0.0015	0.003545	0.38%	
PISO 3	19	42	DERY1 Min	-0.004177	-0.013715	0.001049	0.003535	0.37%	
PISO 3	19	42	DERY2 Min	-0.004177	-0.013715	0.001049	0.003535	0.37%	
PISO 3	7	14	DERY3 Max	0.005407	0.013393	0.001488	0.003532	0.38%	
PISO 3	7	14	DERY4 Max	0.005407	0.013393	0.001488	0.003532	0.38%	
PISO 3	8	16	DERY3 Min	-0.002173	-0.013418	0.000394	0.003517	0.35%	
PISO 3	8	16	DERY4 Min	-0.002173	-0.013418	0.000394	0.003517	0.35%	
PISO 3	8	16	DERY1 Min	-0.002178	-0.013376	0.000392	0.003504	0.35%	
PISO 3	8	16	DERY2 Min	-0.002178	-0.013376	0.000392	0.003504	0.35%	
PISO 3	7	14	DERY3 Min	-0.005325	-0.013269	0.001455	0.003493	0.38%	
PISO 3	7	14	DERY4 Min	-0.005325	-0.013269	0.001455	0.003493	0.38%	
CUB	10	46	DERY1 Min	-0.011011	-0.0294	0.001489	0.003482	0.38%	
CUB	10	46	DERY2 Min	-0.011011	-0.0294	0.001489	0.003482	0.38%	
PISO 3	7	14	DERY1 Min	-0.005298	-0.013227	0.001443	0.00348	0.38%	
PISO 3	7	14	DERY3 Min	-0.005298	-0.013227	0.001443	0.00348	0.38%	
CUB	9	45	DERY1 Max	0.003711	0.030945	0.000408	0.003436	0.35%	
CUB	9	45	DERY2 Max	0.003711	0.030945	0.000408	0.003436	0.35%	
CUB	9	45	DERY3 Max	0.003704	0.030651	0.000408	0.00341	0.34%	
CUB	9	45	DERY4 Max	0.003704	0.030651	0.000408	0.00341	0.34%	
CUB	9	45	DERY3 Min	-0.003686	-0.029768	0.00041	0.003331	0.34%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
CUB	9	45	DERY4 Min	-0.003686	-0.029768	0.00041	0.003331	0.34%	
CUB	9	45	DERY1 Min	-0.00368	-0.029474	0.00041	0.003305	0.33%	
CUB	9	45	DERY2 Min	-0.00368	-0.029474	0.00041	0.003305	0.33%	
PISO 3	20	80	DERY1 Max	0.005434	0.012516	0.001484	0.003063	0.34%	
PISO 3	20	80	DERY2 Max	0.005434	0.012516	0.001484	0.003063	0.34%	
PISO 3	20	80	DERY3 Max	0.005409	0.012486	0.001473	0.003055	0.34%	
PISO 3	20	80	DERY4 Max	0.005409	0.012486	0.001473	0.003055	0.34%	
PISO 3	20	80	DERY3 Min	-0.005336	-0.012398	0.001442	0.003029	0.34%	
PISO 3	20	80	DERY4 Min	-0.005336	-0.012398	0.001442	0.003029	0.34%	
PISO 3	20	80	DERY1 Min	-0.005311	-0.012368	0.001431	0.00302	0.33%	
PISO 3	20	80	DERY2 Min	-0.005311	-0.012368	0.001431	0.00302	0.33%	
CUB	7	43	DERY1 Max	0.011474	0.023747	0.001905	0.00293	0.35%	
CUB	7	43	DERY2 Max	0.011474	0.023747	0.001905	0.00293	0.35%	
PISO 3A	39	311	DERX3 Max	0.007539	0.019005	0.000509	0.00292	0.30%	
PISO 3A	39	311	DERX4 Max	0.007539	0.019005	0.000509	0.00292	0.30%	
PISO 3A	4	94	DERX3 Min	-0.018652	-0.018929	0.003268	0.00291	0.44%	
PISO 3A	4	94	DERX4 Min	-0.018652	-0.018929	0.003268	0.00291	0.44%	
PISO 2	46	121	DERY1 Max	0.000656	0.009246	0.000203	0.002854	0.29%	
PISO 2	46	121	DERY2 Max	0.000656	0.009246	0.000203	0.002854	0.29%	
CUB	7	43	DERY3 Max	0.011387	0.02353	0.001884	0.002841	0.34%	
CUB	7	43	DERY4 Max	0.011387	0.02353	0.001884	0.002841	0.34%	
PISO 2	46	121	DERY3 Max	0.000672	0.009171	0.000207	0.002831	0.28%	
PISO 2	46	121	DERY4 Max	0.000672	0.009171	0.000207	0.002831	0.28%	
PISO 2	46	121	DERY3 Min	-0.000718	-0.008946	0.000222	0.002761	0.28%	
PISO 2	46	121	DERY4 Min	-0.000718	-0.008946	0.000222	0.002761	0.28%	
PISO 2	46	121	DERY1 Min	-0.000733	-0.008871	0.000226	0.002738	0.27%	
PISO 2	46	121	DERY2 Min	-0.000733	-0.008871	0.000226	0.002738	0.27%	
PISO 3A	39	311	DERX1 Max	0.007491	0.019126	0.000375	0.002689	0.27%	
PISO 3A	39	311	DERX2 Max	0.007491	0.019126	0.000375	0.002689	0.27%	
PISO 3A	4	94	DERX1 Min	-0.018827	-0.018781	0.003418	0.002636	0.43%	
PISO 3A	4	94	DERX2 Min	-0.018827	-0.018781	0.003418	0.002636	0.43%	
CUB	7	43	DERY3 Min	-0.011127	-0.022879	0.001822	0.002575	0.32%	
CUB	7	43	DERY4 Min	-0.011127	-0.022879	0.001822	0.002575	0.32%	
CUB	8	44	DERY1 Max	0.003518	0.023532	0.000321	0.002555	0.26%	
CUB	8	44	DERY2 Max	0.003518	0.023532	0.000321	0.002555	0.26%	
CUB	8	44	DERY3 Max	0.003508	0.023322	0.000304	0.00251	0.25%	
CUB	8	44	DERY4 Max	0.003508	0.023322	0.000304	0.00251	0.25%	
CUB	7	43	DERY1 Min	-0.01104	-0.022662	0.001801	0.002487	0.31%	
CUB	7	43	DERY2 Min	-0.01104	-0.022662	0.001801	0.002487	0.31%	
CUB	19	160	DERY1 Max	0.006935	0.023295	0.000573	0.002468	0.25%	
CUB	19	160	DERY2 Max	0.006935	0.023295	0.000573	0.002468	0.25%	
CUB	8	44	DERY3 Min	-0.003476	-0.022694	0.000255	0.002374	0.24%	
CUB	8	44	DERY4 Min	-0.003476	-0.022694	0.000255	0.002374	0.24%	
CUB	19	160	DERY3 Max	0.007009	0.023089	0.000615	0.002338	0.24%	
CUB	19	160	DERY4 Max	0.007009	0.023089	0.000615	0.002338	0.24%	
CUB	8	44	DERY1 Min	-0.003466	-0.022485	0.000239	0.002329	0.23%	

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TABLE: Joint Drifts								
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
CUB	8	44	DERY2 Min	-0.003466	-0.022485	0.000239	0.002329	0.23%
PISO 2	27	77	DERY1 Max	0.000717	0.007158	0.000221	0.002209	0.22%
PISO 2	27	77	DERY2 Max	0.000717	0.007158	0.000221	0.002209	0.22%
PISO 2	27	77	DERY3 Max	0.000733	0.007115	0.000226	0.002196	0.22%
PISO 2	27	77	DERY4 Max	0.000733	0.007115	0.000226	0.002196	0.22%
PISO 2	27	77	DERY3 Min	-0.00078	-0.006985	0.000241	0.002156	0.22%
PISO 2	27	77	DERY4 Min	-0.00078	-0.006985	0.000241	0.002156	0.22%
PISO 2	27	77	DERY1 Min	-0.000796	-0.006941	0.000246	0.002142	0.22%
PISO 2	27	77	DERY2 Min	-0.000796	-0.006941	0.000246	0.002142	0.22%
CUB	46	163	DERX1 Max	0.01037	0.003836	0.000866	0.00205	0.22%
CUB	46	163	DERX2 Max	0.01037	0.003836	0.000866	0.00205	0.22%
CUB	19	160	DERY3 Min	-0.00723	-0.022472	0.000743	0.001951	0.21%
CUB	19	160	DERY4 Min	-0.00723	-0.022472	0.000743	0.001951	0.21%
CUB	46	163	DERY1 Max	0.006915	0.046901	0.000608	0.00194	0.20%
CUB	46	163	DERY2 Max	0.006915	0.046901	0.000608	0.00194	0.20%
CUB	22	161	DERY1 Max	0.00693	0.031005	0.000679	0.001884	0.20%
CUB	22	161	DERY2 Max	0.00693	0.031005	0.000679	0.001884	0.20%
CUB	46	163	DERX3 Max	0.010434	0.003396	0.000891	0.001861	0.21%
CUB	46	163	DERX4 Max	0.010434	0.003396	0.000891	0.001861	0.21%
CUB	19	160	DERY1 Min	-0.007304	-0.022266	0.000785	0.001822	0.20%
CUB	19	160	DERY2 Min	-0.007304	-0.022266	0.000785	0.001822	0.20%
CUB	46	163	DERY3 Max	0.00698	0.046461	0.000632	0.001751	0.19%
CUB	46	163	DERY4 Max	0.00698	0.046461	0.000632	0.001751	0.19%
CUB	22	161	DERY3 Max	0.007	0.03071	0.000682	0.001727	0.19%
CUB	22	161	DERY4 Max	0.007	0.03071	0.000682	0.001727	0.19%
CUB	27	162	DERY1 Max	0.006919	0.038925	0.00066	0.001583	0.17%
CUB	27	162	DERY2 Max	0.006919	0.038925	0.00066	0.001583	0.17%
CUB	27	162	DERX1 Max	0.010244	0.003807	0.000908	0.001455	0.17%
CUB	27	162	DERX2 Max	0.010244	0.003807	0.000908	0.001455	0.17%
PISO 2	4	7	DERY1 Max	0.002903	0.006815	0.000653	0.00144	0.16%
PISO 2	4	7	DERY2 Max	0.002903	0.006815	0.000653	0.00144	0.16%
PISO 2	4	7	DERY3 Max	0.002917	0.006815	0.000657	0.001438	0.16%
PISO 2	4	7	DERY4 Max	0.002917	0.006815	0.000657	0.001438	0.16%
PISO 2	39	168	DERY1 Max	0.000989	0.006757	0.000281	0.001432	0.15%
PISO 2	39	168	DERY2 Max	0.000989	0.006757	0.000281	0.001432	0.15%
PISO 2	39	168	DERY3 Max	0.001009	0.006761	0.000284	0.00143	0.15%
PISO 2	39	168	DERY4 Max	0.001009	0.006761	0.000284	0.00143	0.15%
PISO 2	4	7	DERY3 Min	-0.002956	-0.006815	0.000671	0.001429	0.16%
PISO 2	4	7	DERY4 Min	-0.002956	-0.006815	0.000671	0.001429	0.16%
PISO 2	4	7	DERY1 Min	-0.002969	-0.006816	0.000676	0.001426	0.16%
PISO 2	4	7	DERY2 Min	-0.002969	-0.006816	0.000676	0.001426	0.16%
PISO 2	39	168	DERY3 Min	-0.001068	-0.006776	0.000293	0.001424	0.15%
PISO 2	39	168	DERY4 Min	-0.001068	-0.006776	0.000293	0.001424	0.15%
PISO 2	39	168	DERY2 Min	-0.001088	-0.00678	0.000296	0.001422	0.15%
PISO 2	39	168	DERY2 Min	-0.001088	-0.00678	0.000296	0.001422	0.15%
CUB	27	162	DERY3 Max	0.006987	0.038553	0.000664	0.001397	0.15%

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TABLE: Joint Drifts								
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
CUB	27	162	DERY4 Max	0.006987	0.038553	0.000664	0.001397	0.15%
PISO 2	22	73	DERY1 Max	0.000759	0.004436	0.000234	0.001369	0.14%
PISO 2	22	73	DERY2 Max	0.000759	0.004436	0.000234	0.001369	0.14%
PISO 2	22	73	DERY3 Max	0.000775	0.004417	0.000239	0.001363	0.14%
PISO 2	22	73	DERY4 Max	0.000775	0.004417	0.000239	0.001363	0.14%
CUB	21	122	DERX1 Max	0.010572	0.008924	0.001056	0.001357	0.17%
CUB	21	122	DERX2 Max	0.010572	0.008924	0.001056	0.001357	0.17%
PISO 2	22	73	DERY3 Min	-0.000824	-0.004359	0.000254	0.001345	0.14%
PISO 2	22	73	DERY4 Min	-0.000824	-0.004359	0.000254	0.001345	0.14%
PISO 3	5	10	DERY1 Min	-0.01918	-0.008313	0.005406	0.001344	0.56%
PISO 3	5	10	DERY2 Min	-0.01918	-0.008313	0.005406	0.001344	0.56%
PISO 2	22	73	DERY1 Min	-0.00084	-0.004339	0.000259	0.001339	0.14%
PISO 2	22	73	DERY2 Min	-0.00084	-0.004339	0.000259	0.001339	0.14%
PISO 3	23	83	DERX1 Max	0.005941	0.004281	0.001834	0.001321	0.23%
PISO 3	23	83	DERX2 Max	0.005941	0.004281	0.001834	0.001321	0.23%
PISO 3	21	81	DERX1 Max	0.005996	0.004266	0.001851	0.001317	0.23%
PISO 3	21	81	DERX2 Max	0.005996	0.004266	0.001851	0.001317	0.23%
PISO 3	5	10	DERY3 Min	-0.019108	-0.008175	0.005387	0.001301	0.55%
PISO 3	5	10	DERY4 Min	-0.019108	-0.008175	0.005387	0.001301	0.55%
CUB	46	163	DERX3 Min	-0.010628	-0.002075	0.000965	0.001294	0.16%
CUB	46	163	DERX4 Min	-0.010628	-0.002075	0.000965	0.001294	0.16%
PISO 3	20	80	DERX1 Max	0.005972	0.00573	0.00112	0.00129	0.17%
PISO 3	20	80	DERX2 Max	0.005972	0.00573	0.00112	0.00129	0.17%
PISO 3	20	80	DERX3 Max	0.005948	0.0057	0.001109	0.001281	0.17%
PISO 3	20	80	DERX4 Max	0.005948	0.0057	0.001109	0.001281	0.17%
CUB	27	162	DERX3 Max	0.010311	0.003435	0.000912	0.001269	0.16%
CUB	27	162	DERX4 Max	0.010311	0.003435	0.000912	0.001269	0.16%
CUB	22	161	DERY3 Min	-0.007211	-0.029824	0.000691	0.001256	0.14%
CUB	22	161	DERY4 Min	-0.007211	-0.029824	0.000691	0.001256	0.14%
PISO 3	20	80	DERX3 Min	-0.005874	-0.005612	0.001078	0.001255	0.17%
PISO 3	20	80	DERX4 Min	-0.005874	-0.005612	0.001078	0.001255	0.17%
PISO 3	23	83	DERX3 Max	0.005949	0.004047	0.001836	0.001249	0.22%
PISO 3	23	83	DERX4 Max	0.005949	0.004047	0.001836	0.001249	0.22%
PISO 3	20	80	DERX1 Min	-0.005849	-0.005582	0.001067	0.001246	0.16%
PISO 3	20	80	DERX2 Min	-0.005849	-0.005582	0.001067	0.001246	0.16%
PISO 3	21	81	DERX3 Max	0.005962	0.004036	0.00184	0.001246	0.22%
PISO 3	21	81	DERX4 Max	0.005962	0.004036	0.00184	0.001246	0.22%
CUB	21	122	DERX3 Max	0.0105	0.008354	0.001056	0.001233	0.16%
CUB	21	122	DERX4 Max	0.0105	0.008354	0.001056	0.001233	0.16%
PISO 3	8	16	DERX1 Max	0.005621	0.005063	0.001073	0.001223	0.16%
PISO 3	8	16	DERX2 Max	0.005621	0.005063	0.001073	0.001223	0.16%
PISO 3	8	16	DERX3 Max	0.005627	0.005021	0.001072	0.001211	0.16%
PISO 3	8	16	DERX4 Max	0.005627	0.005021	0.001072	0.001211	0.16%
PISO 3	7	14	DERX1 Max	0.005962	0.005006	0.001098	0.001206	0.16%
PISO 3	7	14	DERX2 Max	0.005962	0.005006	0.001098	0.001206	0.16%
PISO 2	46	121	DERX1 Max	0.001563	0.003879	0.000483	0.001197	0.13%

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx²+dy²)^(0.5)	
PISO 2	46	121	DERX2 Max	0.001563	0.003879	0.000483	0.001197	0.13%	
PISO 3	7	14	DERX3 Max	0.005935	0.004965	0.001087	0.001193	0.16%	
PISO 3	7	14	DERX4 Max	0.005935	0.004965	0.001087	0.001193	0.16%	
PISO 3	19	42	DERX1 Max	0.00611	0.005053	0.00124	0.001189	0.17%	
PISO 3	19	42	DERX2 Max	0.00611	0.005053	0.00124	0.001189	0.17%	
CUB	46	163	DERY3 Min	-0.007174	-0.04514	0.000706	0.001184	0.14%	
CUB	46	163	DERY4 Min	-0.007174	-0.04514	0.000706	0.001184	0.14%	
CUB	23	124	DERX1 Max	0.01033	0.008908	0.001007	0.001183	0.16%	
CUB	23	124	DERX2 Max	0.01033	0.008908	0.001007	0.001183	0.16%	
PISO 3	19	42	DERX3 Max	0.006147	0.005016	0.001246	0.001178	0.17%	
PISO 3	19	42	DERX4 Max	0.006147	0.005016	0.001246	0.001178	0.17%	
PISO 3	8	16	DERX3 Min	-0.005644	-0.004896	0.001067	0.001174	0.16%	
PISO 3	8	16	DERX4 Min	-0.005644	-0.004896	0.001067	0.001174	0.16%	
PISO 2	46	121	DERX2 Max	0.001579	0.003804	0.000487	0.001174	0.13%	
PISO 2	46	121	DERX4 Max	0.001579	0.003804	0.000487	0.001174	0.13%	
PISO 3	5	10	DERY3 Max	0.018891	0.007762	0.00533	0.001169	0.55%	
PISO 3	5	10	DERY4 Max	0.018891	0.007762	0.00533	0.001169	0.55%	
PISO 3A	5	95	DERY1 Max	0.026954	0.009541	0.004816	0.001166	0.50%	
PISO 3A	5	95	DERY2 Max	0.026954	0.009541	0.004816	0.001166	0.50%	
PISO 3	8	16	DERX1 Min	-0.005649	-0.004854	0.001066	0.001161	0.16%	
PISO 3	8	16	DERX2 Min	-0.005649	-0.004854	0.001066	0.001161	0.16%	
PISO 3	7	14	DERX3 Min	-0.005853	-0.00484	0.001053	0.001154	0.16%	
PISO 3	7	14	DERX4 Min	-0.005853	-0.00484	0.001053	0.001154	0.16%	
PISO 3	19	42	DERX3 Min	-0.006258	-0.004903	0.001265	0.001145	0.17%	
PISO 3	19	42	DERX4 Min	-0.006258	-0.004903	0.001265	0.001145	0.17%	
PISO 3	7	14	DERX1 Min	-0.005826	-0.004799	0.001041	0.001141	0.15%	
PISO 3	7	14	DERX2 Min	-0.005826	-0.004799	0.001041	0.001141	0.15%	
PISO 3	19	42	DERX1 Min	-0.006294	-0.004865	0.001271	0.001134	0.17%	
PISO 3	19	42	DERX2 Min	-0.006294	-0.004865	0.001271	0.001134	0.17%	
CUB	23	124	DERX3 Max	0.010321	0.008344	0.001021	0.001127	0.15%	
CUB	23	124	DERX4 Max	0.010321	0.008344	0.001021	0.001127	0.15%	
PISO 3	5	10	DERY1 Max	0.018819	0.007624	0.005311	0.001125	0.54%	
PISO 3	5	10	DERY2 Max	0.018819	0.007624	0.005311	0.001125	0.54%	
CUB	16	52	DERX1 Max	0.010554	0.006104	0.001055	0.001106	0.15%	
CUB	16	52	DERX2 Max	0.010554	0.006104	0.001055	0.001106	0.15%	
CUB	46	163	DERX1 Min	-0.010693	-0.001635	0.000989	0.001105	0.15%	
CUB	46	163	DERX2 Min	-0.010693	-0.001635	0.000989	0.001105	0.15%	
PISO 2	46	121	DERX3 Min	-0.001625	-0.003579	0.000502	0.001105	0.12%	
PISO 2	46	121	DERX4 Min	-0.001625	-0.003579	0.000502	0.001105	0.12%	
CUB	22	161	DERY1 Min	-0.007281	-0.029528	0.000694	0.0011	0.13%	
CUB	22	161	DERY2 Min	-0.007281	-0.029528	0.000694	0.0011	0.13%	
PISO 2	46	121	DERX1 Min	-0.00164	-0.003504	0.000506	0.001081	0.12%	
PISO 2	46	121	DERX2 Min	-0.00164	-0.003504	0.000506	0.001081	0.12%	
PISO 3A	5	95	DERY3 Max	0.02712	0.009523	0.004871	0.001074	0.50%	
PISO 3A	5	95	DERY4 Max	0.02712	0.009523	0.004871	0.001074	0.50%	
PISO 3	9	18	DERX1 Max	0.005789	0.003603	0.001162	0.001059	0.16%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx²+dy²)^(0.5)	
PISO 3	9	18	DERX2 Max	0.005789	0.003603	0.001162	0.001059	0.16%	
PISO 3	10	20	DERX1 Max	0.005998	0.003582	0.001091	0.00105	0.15%	
PISO 3	10	20	DERX2 Max	0.005998	0.003582	0.001091	0.00105	0.15%	
PISO 3	9	18	DERX3 Max	0.005797	0.003525	0.00116	0.001035	0.16%	
PISO 3	9	18	DERX4 Max	0.005797	0.003525	0.00116	0.001035	0.16%	
PISO 3	21	81	DERX3 Min	-0.005862	-0.003347	0.001809	0.001033	0.21%	
PISO 3	21	81	DERX4 Min	-0.005862	-0.003347	0.001809	0.001033	0.21%	
PISO 3	23	83	DERX3 Min	-0.005971	-0.003344	0.001843	0.001032	0.21%	
PISO 3	23	83	DERX4 Min	-0.005971	-0.003344	0.001843	0.001032	0.21%	
PISO 3	10	20	DERX3 Max	0.005968	0.003507	0.001079	0.001028	0.15%	
PISO 3	10	20	DERX4 Max	0.005968	0.003507	0.001079	0.001028	0.15%	
CUB	46	163	DERY1 Min	-0.007238	-0.0447	0.00073	0.000995	0.12%	
CUB	46	163	DERY2 Min	-0.007238	-0.0447	0.00073	0.000995	0.12%	
PISO 2	4	7	DERX1 Max	0.002659	0.004569	0.00061	0.000966	0.11%	
PISO 2	4	7	DERX2 Max	0.002659	0.004569	0.00061	0.000966	0.11%	
PISO 3	10	20	DERX3 Min	-0.00588	-0.003282	0.001045	0.000963	0.14%	
PISO 3	10	20	DERX4 Min	-0.00588	-0.003282	0.001045	0.000963	0.14%	
PISO 2	4	7	DERX3 Max	0.002672	0.004569	0.000615	0.000963	0.11%	
PISO 2	4	7	DERX4 Max	0.002672	0.004569	0.000615	0.000963	0.11%	
PISO 3	21	81	DERX1 Min	-0.005828	-0.003117	0.001799	0.000962	0.20%	
PISO 3	21	81	DERX2 Min	-0.005828	-0.003117	0.001799	0.000962	0.20%	
CUB	16	52	DERX3 Max	0.01048	0.005594	0.001044	0.000961	0.14%	
CUB	16	52	DERX4 Max	0.01048	0.005594	0.001044	0.000961	0.14%	
PISO 3	9	18	DERX3 Min	-0.005819	-0.003291	0.001157	0.000961	0.15%	
PISO 3	9	18	DERX4 Min	-0.005819	-0.003291	0.001157	0.000961	0.15%	
PISO 2	39	168	DERX1 Max	0.002807	0.004538	0.000678	0.000961	0.12%	
PISO 2	39	168	DERX2 Max	0.002807	0.004538	0.000678	0.000961	0.12%	
CUB	23	124	DERX3 Min	-0.010293	-0.006653	0.001063	0.00096	0.14%	
CUB	23	124	DERX4 Min	-0.010293	-0.006653	0.001063	0.00096	0.14%	
PISO 3	23	83	DERX1 Min	-0.005979	-0.003109	0.001845	0.00096	0.21%	
PISO 3	23	83	DERX2 Min	-0.005979	-0.003109	0.001845	0.00096	0.21%	
PISO 2	39	168	DERX3 Max	0.002826	0.004543	0.000681	0.000959	0.12%	
PISO 2	39	168	DERX4 Max	0.002826	0.004543	0.000681	0.000959	0.12%	
PISO 2	4	7	DERX3 Min	-0.002711	-0.004569	0.000629	0.000955	0.11%	
PISO 2	4	7	DERX4 Min	-0.002711	-0.004569	0.000629	0.000955	0.11%	
PISO 2	39	168	DERX3 Min	-0.002885	-0.004557	0.00069	0.000953	0.12%	
PISO 2	39	168	DERX4 Min	-0.002885	-0.004557	0.00069	0.000953	0.12%	
PISO 2	4	7	DERX1 Min	-0.002725	-0.00457	0.000633	0.000952	0.11%	
PISO 2	39	168	DERX1 Min	-0.002905	-0.004562	0.000692	0.000951	0.12%	
PISO 2	39	168	DERX2 Min	-0.002905	-0.004562	0.000692	0.000951	0.12%	
PISO 3	10	20	DERX1 Min	-0.005851	-0.003207	0.001033	0.000941	0.14%	
PISO 3	10	20	DERX2 Min	-0.005851	-0.003207	0.001033	0.000941	0.14%	
PISO 3	9	18	DERX1 Min	-0.005826	-0.003213	0.001155	0.000937	0.15%	
PISO 3	9	18	DERX2 Min	-0.005826	-0.003213	0.001155	0.000937	0.15%	
PISO 1	4	58	DERY1 Min	-0.001188	-0.002577	0.000424	0.00092	0.10%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
PISO 1	4	58	DERY2 Min	-0.001188	-0.002577	0.000424	0.00092	0.10%	
PISO 1	4	58	DERY3 Min	-0.00119	-0.002567	0.000425	0.000917	0.10%	
PISO 1	4	58	DERY4 Min	-0.00119	-0.002567	0.000425	0.000917	0.10%	
PISO 1	39	323	DERY1 Min	-0.000375	-0.00256	0.000134	0.000914	0.09%	
PISO 1	39	323	DERY2 Min	-0.000375	-0.00256	0.000134	0.000914	0.09%	
PISO 1	39	323	DERY3 Min	-0.000365	-0.002549	0.00013	0.00091	0.09%	
PISO 1	39	323	DERY4 Min	-0.000365	-0.002549	0.00013	0.00091	0.09%	
PISO 3	22	76	DERX1 Max	0.006257	0.003994	0.001345	0.000909	0.16%	
PISO 3	22	76	DERX2 Max	0.006257	0.003994	0.001345	0.000909	0.16%	
PISO 1	4	58	DERY3 Max	0.001195	0.002539	0.000427	0.000907	0.10%	
PISO 1	4	58	DERY4 Max	0.001195	0.002539	0.000427	0.000907	0.10%	
CUB	23	124	DERX1 Min	-0.010283	-0.006089	0.001077	0.000905	0.14%	
CUB	23	124	DERX2 Min	-0.010283	-0.006089	0.001077	0.000905	0.14%	
PISO 1	4	58	DERY1 Max	0.001197	0.00253	0.000427	0.000904	0.10%	
PISO 1	4	58	DERY2 Max	0.001197	0.00253	0.000427	0.000904	0.10%	
PISO 3	22	76	DERX3 Max	0.006294	0.003952	0.001352	0.000902	0.16%	
PISO 3	22	76	DERX4 Max	0.006294	0.003952	0.001352	0.000902	0.16%	
PISO 1	39	323	DERY1 Max	0.000334	0.002515	0.000119	0.000898	0.09%	
PISO 1	39	323	DERY2 Max	0.000334	0.002515	0.000119	0.000898	0.09%	
PISO 1	39	323	DERY3 Max	0.000323	0.002504	0.000116	0.000894	0.09%	
PISO 1	39	323	DERY4 Max	0.000323	0.002504	0.000116	0.000894	0.09%	
PISO 2	5	9	DERY1 Max	0.002685	0.004176	0.000553	0.000886	0.10%	
PISO 2	5	9	DERY2 Max	0.002685	0.004176	0.000553	0.000886	0.10%	
PISO 2	5	9	DERY3 Max	0.002696	0.004171	0.000556	0.000885	0.10%	
PISO 2	5	9	DERY4 Max	0.002696	0.004171	0.000556	0.000885	0.10%	
PISO 3	22	76	DERX3 Min	-0.006407	-0.003828	0.001371	0.000881	0.16%	
PISO 3	22	76	DERX4 Min	-0.006407	-0.003828	0.001371	0.000881	0.16%	
PISO 2	5	9	DERY3 Min	-0.002728	-0.004158	0.000565	0.000881	0.10%	
PISO 2	5	9	DERY4 Min	-0.002728	-0.004158	0.000565	0.000881	0.10%	
PISO 2	5	9	DERY1 Min	-0.002739	-0.004154	0.000568	0.00088	0.10%	
PISO 2	5	9	DERY2 Min	-0.002739	-0.004154	0.000568	0.00088	0.10%	
PISO 3	22	76	DERX1 Min	-0.006444	-0.003786	0.001378	0.000874	0.16%	
PISO 3	22	76	DERX2 Min	-0.006444	-0.003786	0.001378	0.000874	0.16%	
CUB	21	122	DERX3 Min	-0.010286	-0.006646	0.001055	0.000862	0.14%	
CUB	21	122	DERX4 Min	-0.010286	-0.006646	0.001055	0.000862	0.14%	
CUB	22	161	DERX1 Max	0.010123	0.005658	0.000926	0.00086	0.13%	
CUB	22	161	DERX2 Max	0.010123	0.005658	0.000926	0.00086	0.13%	
CUB	7	43	DERX1 Max	0.010485	0.007763	0.001369	0.000843	0.16%	
CUB	7	43	DERX2 Max	0.010485	0.007763	0.001369	0.000843	0.16%	
CUB	27	162	DERY3 Min	-0.007188	-0.037436	0.000675	0.000838	0.11%	
CUB	27	162	DERY4 Min	-0.007188	-0.037436	0.000675	0.000838	0.11%	
PISO 3	15	30	DERX1 Max	0.005939	0.002708	0.001833	0.000836	0.20%	
PISO 3	15	30	DERX2 Max	0.005939	0.002708	0.001833	0.000836	0.20%	
PISO 3	16	32	DERX1 Max	0.006003	0.002699	0.001853	0.000833	0.20%	
PISO 3	16	32	DERX2 Max	0.006003	0.002699	0.001853	0.000833	0.20%	
CUB	14	50	DERX1 Max	0.010518	0.003829	0.001043	0.00083	0.13%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
CUB	14	50	DERX2 Max	0.010518	0.003829	0.001043	0.00083	0.13%	
PISO 2	27	77	DERX1 Max	0.001786	0.002623	0.000551	0.000809	0.10%	
PISO 2	27	77	DERX2 Max	0.001786	0.002623	0.000551	0.000809	0.10%	
CUB	15	51	DERX1 Max	0.010285	0.006084	0.001071	0.000803	0.13%	
CUB	15	51	DERX2 Max	0.010285	0.006084	0.001071	0.000803	0.13%	
PISO 3A	5	95	DERY3 Min	-0.027619	-0.009468	0.005038	0.000799	0.51%	
PISO 3A	5	95	DERY4 Min	-0.027619	-0.009468	0.005038	0.000799	0.51%	
PISO 3	5	10	DERX1 Min	-0.012751	-0.00512	0.00352	0.000797	0.36%	
PISO 3	5	10	DERX2 Min	-0.012751	-0.00512	0.00352	0.000797	0.36%	
PISO 2	27	77	DERX3 Max	0.001802	0.002579	0.000556	0.000796	0.10%	
PISO 2	27	77	DERX4 Max	0.001802	0.002579	0.000556	0.000796	0.10%	
CUB	19	160	DERX1 Max	0.009743	0.007336	0.000663	0.000776	0.10%	
CUB	19	160	DERX2 Max	0.009743	0.007336	0.000663	0.000776	0.10%	
PISO 3	15	30	DERX3 Max	0.005948	0.002516	0.001836	0.000776	0.20%	
PISO 3	15	30	DERX4 Max	0.005948	0.002516	0.001836	0.000776	0.20%	
PISO 3	16	32	DERX3 Max	0.00597	0.002509	0.001843	0.000774	0.20%	
PISO 3	16	32	DERX4 Max	0.00597	0.002509	0.001843	0.000774	0.20%	
PISO 3	46	123	DERX1 Max	0.00641	0.00586	0.001512	0.000774	0.17%	
PISO 3	46	123	DERX2 Max	0.00641	0.00586	0.001512	0.000774	0.17%	
PISO 2	19	55	DERY1 Max	0.000792	0.002495	0.000244	0.00077	0.08%	
PISO 2	19	55	DERY2 Max	0.000792	0.002495	0.000244	0.00077	0.08%	
PISO 2	19	55	DERY3 Max	0.000809	0.002493	0.00025	0.00077	0.08%	
PISO 2	19	55	DERY4 Max	0.000809	0.002493	0.00025	0.00077	0.08%	
PISO 3	46	123	DERX3 Max	0.006452	0.005768	0.00152	0.000769	0.17%	
PISO 3	46	123	DERX4 Max	0.006452	0.005768	0.00152	0.000769	0.17%	
PISO 2	19	55	DERY3 Min	-0.00086	-0.002487	0.000265	0.000768	0.08%	
PISO 2	19	55	DERY4 Min	-0.00086	-0.002487	0.000265	0.000768	0.08%	
PISO 2	19	55	DERY1 Min	-0.000877	-0.002485	0.000271	0.000767	0.08%	
PISO 2	19	55	DERY2 Min	-0.000877	-0.002485	0.000271	0.000767	0.08%	
PISO 2	27	77	DERX3 Min	-0.00185	-0.002449	0.000571	0.000756	0.09%	
PISO 2	27	77	DERX4 Min	-0.00185	-0.002449	0.000571	0.000756	0.09%	
CUB	7	43	DERX3 Max	0.010399	0.007545	0.001349	0.000755	0.15%	
CUB	7	43	DERX4 Max	0.010399	0.007545	0.001349	0.000755	0.15%	
PISO 3	5	10	DERX3 Min	-0.012679	-0.004982	0.003501	0.000754	0.36%	
PISO 3	5	10	DERX4 Min	-0.012679	-0.004982	0.003501	0.000754	0.36%	
PISO 3	46	123	DERX3 Min	-0.006577	-0.005492	0.001544	0.000753	0.17%	
PISO 3	46	123	DERX4 Min	-0.006577	-0.005492	0.001544	0.000753	0.17%	
CUB	15	51	DERX3 Max	0.010277	0.005577	0.001045	0.000749	0.13%	
CUB	15	51	DERX4 Max	0.010277	0.005577	0.001045	0.000749	0.13%	
PISO 3	46	123	DERX1 Min	-0.006618	-0.0054	0.001552	0.000748	0.17%	
PISO 3	46	123	DERX2 Min	-0.006618	-0.0054	0.001552	0.000748	0.17%	
PISO 2	27	77	DERX1 Min	-0.001866	-0.002405	0.000576	0.000742	0.09%	
PISO 2	27	77	DERX2 Min	-0.001866	-0.002405	0.000576	0.000742	0.09%	
CUB	21	122	DERX1 Min	-0.010214	-0.006077	0.001054	0.000739	0.13%	
CUB	21	122	DERX2 Min	-0.010214	-0.006077	0.001054	0.000739	0.13%	
PISO 2	20	108	DERY1 Min	-0.002571	-0.002846	0.000482	0.000731	0.09%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx²+dy²)^(0.5)	
PISO 2	20	108	DERY2 Min	-0.002571	-0.002846	0.000482	0.000731	0.09%	
PISO 2	20	108	DERY3 Min	-0.002562	-0.002848	0.000481	0.000731	0.09%	
PISO 2	20	108	DERY4 Min	-0.002562	-0.002848	0.000481	0.000731	0.09%	
PISO 2	20	108	DERY3 Max	0.002533	0.002852	0.000475	0.00073	0.09%	
PISO 2	20	108	DERY4 Max	0.002533	0.002852	0.000475	0.00073	0.09%	
PISO 2	20	108	DERY1 Max	0.002524	0.002853	0.000473	0.000729	0.09%	
PISO 2	20	108	DERY2 Max	0.002524	0.002853	0.000473	0.000729	0.09%	
CUB	27	162	DERX3 Min	-0.010513	-0.002318	0.000922	0.000711	0.12%	
CUB	27	162	DERX4 Min	-0.010513	-0.002318	0.000922	0.000711	0.12%	
PISO 3A	5	95	DERY1 Min	-0.027786	-0.00945	0.005093	0.000707	0.51%	
PISO 3A	5	95	DERY2 Min	-0.027786	-0.00945	0.005093	0.000707	0.51%	
CUB	22	161	DERX3 Max	0.010193	0.005363	0.000929	0.000703	0.12%	
CUB	22	161	DERX4 Max	0.010193	0.005363	0.000929	0.000703	0.12%	
PISO 3A	5	95	DERX1 Max	0.017501	0.005602	0.00306	0.000699	0.31%	
PISO 3A	5	95	DERX2 Max	0.017501	0.005602	0.00306	0.000699	0.31%	
CUB	14	50	DERX3 Max	0.01044	0.003383	0.001032	0.000691	0.12%	
CUB	14	50	DERX4 Max	0.01044	0.003383	0.001032	0.000691	0.12%	
PISO 3	27	82	DERX1 Max	0.006345	0.004024	0.001424	0.000689	0.16%	
PISO 3	27	82	DERX2 Max	0.006345	0.004024	0.001424	0.000689	0.16%	
PISO 3	27	82	DERX3 Max	0.006385	0.003971	0.001431	0.000686	0.16%	
PISO 3	27	82	DERX4 Max	0.006385	0.003971	0.001431	0.000686	0.16%	
CUB	10	46	DERX1 Max	0.010423	0.005574	0.001133	0.00068	0.13%	
CUB	10	46	DERX2 Max	0.010423	0.005574	0.001133	0.00068	0.13%	
PISO 3	11	22	DERX1 Max	0.005861	0.0022	0.001809	0.000679	0.19%	
PISO 3	11	22	DERX2 Max	0.005861	0.0022	0.001809	0.000679	0.19%	
PISO 3	12	24	DERX1 Max	0.006006	0.0022	0.001854	0.000679	0.20%	
PISO 3	12	24	DERX2 Max	0.006006	0.0022	0.001854	0.000679	0.20%	
PISO 3	27	82	DERX3 Min	-0.006506	-0.003811	0.001454	0.000677	0.16%	
PISO 3	27	82	DERX4 Min	-0.006506	-0.003811	0.001454	0.000677	0.16%	
CUB	12	48	DERX1 Max	0.01047	0.003782	0.001005	0.000676	0.12%	
CUB	12	48	DERX2 Max	0.01047	0.003782	0.001005	0.000676	0.12%	
PISO 3	27	82	DERX1 Min	-0.006546	-0.003758	0.001461	0.000674	0.16%	
PISO 3	27	82	DERX2 Min	-0.006546	-0.003758	0.001461	0.000674	0.16%	
PISO 2	8	15	DERY1 Min	-0.001085	-0.002245	0.000279	0.000658	0.07%	
PISO 2	8	15	DERY2 Min	-0.001085	-0.002245	0.000279	0.000658	0.07%	
PISO 2	8	15	DERY3 Min	-0.001075	-0.002246	0.000276	0.000658	0.07%	
PISO 2	8	15	DERY4 Min	-0.001075	-0.002246	0.000276	0.000658	0.07%	
PISO 2	7	13	DERY1 Min	-0.002551	-0.002176	0.000468	0.000656	0.08%	
PISO 2	7	13	DERY2 Min	-0.002551	-0.002176	0.000468	0.000656	0.08%	
PISO 2	7	13	DERY3 Min	-0.002542	-0.002176	0.000466	0.000656	0.08%	
PISO 2	7	13	DERY4 Min	-0.002542	-0.002176	0.000466	0.000656	0.08%	
PISO 2	8	15	DERY3 Max	0.001044	0.002251	0.000269	0.000656	0.07%	
PISO 2	8	15	DERY4 Max	0.001044	0.002251	0.000269	0.000656	0.07%	
PISO 2	8	15	DERY2 Max	0.001034	0.002252	0.000267	0.000655	0.07%	
PISO 2	8	15	DERY3 Max	0.001034	0.002252	0.000267	0.000655	0.07%	
PISO 2	7	13	DERY3 Max	0.002514	0.002174	0.000461	0.000654	0.08%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx²+dy²)^(0.5)	
PISO 2	7	13	DERY4 Max	0.002514	0.002174	0.000461	0.000654	0.08%	
PISO 2	7	13	DERY1 Max	0.002505	0.002173	0.000459	0.000653	0.08%	
PISO 2	7	13	DERY2 Max	0.002505	0.002173	0.000459	0.000653	0.08%	
CUB	27	162	DERY1 Min	-0.007256	-0.037063	0.000678	0.000652	0.09%	
CUB	27	162	DERY2 Min	-0.007256	-0.037063	0.000678	0.000652	0.09%	
CUB	8	44	DERX1 Max	0.009303	0.007601	0.000783	0.00065	0.10%	
CUB	8	44	DERX2 Max	0.009303	0.007601	0.000783	0.00065	0.10%	
CUB	19	160	DERX3 Max	0.009816	0.00713	0.000706	0.000647	0.10%	
CUB	19	160	DERX4 Max	0.009816	0.00713	0.000706	0.000647	0.10%	
PISO 3	11	22	DERX3 Max	0.005868	0.002086	0.001811	0.000644	0.19%	
PISO 3	11	22	DERX4 Max	0.005868	0.002086	0.001811	0.000644	0.19%	
PISO 3	12	24	DERX3 Max	0.005975	0.002088	0.001844	0.000644	0.20%	
PISO 3	12	24	DERX4 Max	0.005975	0.002088	0.001844	0.000644	0.20%	
PISO 3	5	10	DERX3 Max	0.012462	0.004569	0.003444	0.000622	0.35%	
PISO 3	5	10	DERX4 Max	0.012462	0.004569	0.003444	0.000622	0.35%	
PISO 3A	5	95	DERX3 Max	0.017667	0.005584	0.003116	0.000607	0.32%	
PISO 3A	5	95	DERX4 Max	0.017667	0.005584	0.003116	0.000607	0.32%	
CUB	8	44	DERX3 Max	0.009293	0.007391	0.000766	0.000604	0.10%	
CUB	8	44	DERX4 Max	0.009293	0.007391	0.000766	0.000604	0.10%	
PISO 1	4	58	DERX1 Min	-0.000871	-0.00168	0.000311	0.0006	0.07%	
PISO 1	4	58	DERX2 Min	-0.000871	-0.00168	0.000311	0.0006	0.07%	
PISO 3	16	32	DERX3 Min	-0.00587	-0.001939	0.001812	0.000599	0.19%	
PISO 3	16	32	DERX4 Min	-0.00587	-0.001939	0.001812	0.000599	0.19%	
PISO 1	39	323	DERX1 Min	-0.00072	-0.001676	0.000257	0.000599	0.07%	
PISO 1	39	323	DERX2 Min	-0.00072	-0.001676	0.000257	0.000599	0.07%	
PISO 3	15	30	DERX3 Min	-0.005972	-0.001939	0.001843	0.000598	0.19%	
PISO 3	15	30	DERX4 Min	-0.005972	-0.001939	0.001843	0.000598	0.19%	
PISO 1	4	58	DERX3 Min	-0.000873	-0.001671	0.000312	0.000597	0.07%	
PISO 1	4	58	DERX4 Min	-0.000873	-0.001671	0.000312	0.000597	0.07%	
PISO 1	39	323	DERX3 Min	-0.00071	-0.001665	0.000254	0.000595	0.06%	
PISO 1	39	323	DERX4 Min	-0.00071	-0.001665	0.000254	0.000595	0.06%	
PISO 1	4	58	DERX3 Max	0.000878	0.001643	0.000314	0.000587	0.07%	
PISO 1	4	58	DERX4 Max	0.000878	0.001643	0.000314	0.000587	0.07%	
CUB	15	51	DERX3 Min	-0.010252	-0.004054	0.000967	0.000586	0.11%	
CUB	15	51	DERX4 Min	-0.010252	-0.004054	0.000967	0.000586	0.11%	
PISO 1	4	58	DERX1 Max	0.00088	0.001633	0.000314	0.000583	0.07%	
PISO 1	4	58	DERX2 Max	0.00088	0.001633	0.000314	0.000583	0.07%	
PISO 1	39	323	DERX3 Max	0.000679	0.001631	0.000243	0.000583	0.06%	
PISO 1	39	323	DERX4 Max	0.000679	0.001631	0.000243	0.000583	0.06%	
PISO 3	5	10	DERX1 Max	0.01239	0.004431	0.003425	0.000578	0.35%	
PISO 3	5	10	DERX2 Max	0.01239	0.004431	0.003425	0.000578	0.35%	
PISO 1	39	323	DERX1 Max	0.000669	0.00162	0.000239	0.000578	0.06%	
PISO 1	39	323	DERX2 Max	0.000669	0.00162	0.000239	0.000578	0.06%	
CUB	13	49	DERX1 Max	0.010182	0.003823	0.00098	0.000575	0.11%	
CUB	13	49	DERX2 Max	0.010182	0.003823	0.00098	0.000575	0.11%	
CUB	10	46	DERX3 Max	0.010337	0.005278	0.001122	0.000548	0.12%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X	Displacement Y	Drift X	Drift Y	(dx²+dy²)^(0.5)	
				m	m				
CUB	10	46	DERX4 Max	0.010337	0.005278	0.001122	0.000548	0.12%	
PISO 2	5	9	DERX1 Max	0.002582	0.002619	0.000583	0.000543	0.08%	
PISO 2	5	9	DERX2 Max	0.002582	0.002619	0.000583	0.000543	0.08%	
PISO 2	5	9	DERX3 Max	0.002593	0.002615	0.000586	0.000542	0.08%	
PISO 2	5	9	DERX4 Max	0.002593	0.002615	0.000586	0.000542	0.08%	
PISO 3	12	24	DERX3 Min	-0.005882	-0.001751	0.001816	0.00054	0.19%	
PISO 3	12	24	DERX4 Min	-0.005882	-0.001751	0.001816	0.00054	0.19%	
PISO 3	16	32	DERX1 Min	-0.005837	-0.001749	0.001801	0.00054	0.19%	
PISO 3	16	32	DERX2 Min	-0.005837	-0.001749	0.001801	0.00054	0.19%	
PISO 3	15	30	DERX1 Min	-0.005981	-0.001747	0.001846	0.000539	0.19%	
PISO 3	15	30	DERX2 Min	-0.005981	-0.001747	0.001846	0.000539	0.19%	
PISO 2	5	9	DERX3 Min	-0.002625	-0.002602	0.000595	0.000539	0.08%	
PISO 2	5	9	DERX4 Min	-0.002625	-0.002602	0.000595	0.000539	0.08%	
PISO 3	11	22	DERX3 Min	-0.005891	-0.001743	0.001818	0.000538	0.19%	
PISO 3	11	22	DERX4 Min	-0.005891	-0.001743	0.001818	0.000538	0.19%	
PISO 2	5	9	DERX1 Min	-0.002635	-0.002598	0.000598	0.000538	0.08%	
PISO 2	5	9	DERX2 Min	-0.002635	-0.002598	0.000598	0.000538	0.08%	
CUB	12	48	DERX3 Max	0.010388	0.003407	0.000993	0.000536	0.11%	
CUB	12	48	DERX4 Max	0.010388	0.003407	0.000993	0.000536	0.11%	
CUB	15	51	DERX2 Min	-0.010244	-0.003547	0.000942	0.000532	0.11%	
CUB	15	51	DERX2 Min	-0.010244	-0.003547	0.000942	0.000532	0.11%	
CUB	16	52	DERX3 Min	-0.010258	-0.004065	0.001012	0.000528	0.11%	
CUB	16	52	DERX4 Min	-0.010258	-0.004065	0.001012	0.000528	0.11%	
CUB	27	162	DERX1 Min	-0.01058	-0.001945	0.000926	0.000524	0.11%	
CUB	27	162	DERX2 Min	-0.01058	-0.001945	0.000926	0.000524	0.11%	
CUB	13	49	DERX3 Max	0.010176	0.003382	0.00098	0.000523	0.11%	
CUB	13	49	DERX4 Max	0.010176	0.003382	0.00098	0.000523	0.11%	
PISO 3	12	24	DERX1 Min	-0.005851	-0.001639	0.001806	0.000506	0.19%	
PISO 3	12	24	DERX2 Min	-0.005851	-0.001639	0.001806	0.000506	0.19%	
PISO 3	11	22	DERX1 Min	-0.005899	-0.001629	0.001821	0.000503	0.19%	
PISO 3	11	22	DERX2 Min	-0.005899	-0.001629	0.001821	0.000503	0.19%	
PISO 3	13	26	DERX1 Max	0.005915	0.001608	0.001825	0.000496	0.19%	
PISO 3	13	26	DERX2 Max	0.005915	0.001608	0.001825	0.000496	0.19%	
PISO 3	14	28	DERX1 Max	0.006006	0.0016	0.001854	0.000494	0.19%	
PISO 3	14	28	DERX2 Max	0.006006	0.0016	0.001854	0.000494	0.19%	
CUB	7	43	DERX3 Min	-0.010139	-0.006894	0.001286	0.000489	0.14%	
CUB	7	43	DERX4 Min	-0.010139	-0.006894	0.001286	0.000489	0.14%	
PISO 2	22	73	DERX1 Max	0.001951	0.001555	0.000602	0.00048	0.08%	
PISO 2	22	73	DERX2 Max	0.001951	0.001555	0.000602	0.00048	0.08%	
PISO 1	5	59	DERY1 Max	0.001169	0.001342	0.000418	0.000479	0.06%	
PISO 1	5	59	DERY2 Max	0.001169	0.001342	0.000418	0.000479	0.06%	
PISO 1	5	59	DERY3 Max	0.00117	0.001341	0.000418	0.000479	0.06%	
PISO 1	5	59	DERY3 Min	-0.001174	-0.00134	0.000419	0.000479	0.06%	
PISO 1	5	59	DERY4 Max	0.00117	0.001341	0.000418	0.000479	0.06%	
PISO 1	5	59	DERY4 Min	-0.001174	-0.00134	0.000419	0.000479	0.06%	
PISO 1	5	59	DERY1 Min	-0.001175	-0.001339	0.00042	0.000478	0.06%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X	Displacement Y	Drift X	Drift Y	(dx²+dy²)^(0.5)	
				m	m				
PISO 1	5	59	DERY2 Min	-0.001175	-0.001339	0.00042	0.000478	0.06%	
PISO 2	22	73	DERX3 Max	0.001967	0.001536	0.000607	0.000474	0.08%	
PISO 2	22	73	DERX4 Max	0.001967	0.001536	0.000607	0.000474	0.08%	
CUB	8	44	DERX3 Min	-0.009261	-0.006763	0.000717	0.000469	0.09%	
CUB	8	44	DERX4 Min	-0.009261	-0.006763	0.000717	0.000469	0.09%	
PISO 2	22	73	DERX3 Min	-0.002016	-0.001478	0.000622	0.000456	0.08%	
PISO 2	22	73	DERX4 Min	-0.002016	-0.001478	0.000622	0.000456	0.08%	
PISO 2	22	73	DERX1 Min	-0.002032	-0.001458	0.000627	0.00045	0.08%	
PISO 2	22	73	DERX2 Min	-0.002032	-0.001458	0.000627	0.00045	0.08%	
PISO 3	13	26	DERX3 Max	0.005922	0.001455	0.001828	0.000449	0.19%	
PISO 3	13	26	DERX4 Max	0.005922	0.001455	0.001828	0.000449	0.19%	
PISO 3	14	28	DERX3 Max	0.005974	0.00145	0.001844	0.000448	0.19%	
PISO 3	14	28	DERX4 Max	0.005974	0.00145	0.001844	0.000448	0.19%	
CUB	8	44	DERX1 Min	-0.00925	-0.006554	0.000701	0.000423	0.08%	
CUB	8	44	DERX2 Min	-0.00925	-0.006554	0.000701	0.000423	0.08%	
PISO 2	20	108	DERX1 Min	-0.002635	-0.001628	0.000588	0.000407	0.07%	
PISO 2	20	108	DERX2 Min	-0.002635	-0.001628	0.000588	0.000407	0.07%	
PISO 2	20	108	DERX3 Min	-0.002625	-0.001629	0.000586	0.000406	0.07%	
PISO 2	20	108	DERX4 Min	-0.002625	-0.001629	0.000586	0.000406	0.07%	
PISO 2	20	108	DERX1 Max	0.002587	0.001635	0.000579	0.000405	0.07%	
PISO 2	20	108	DERX2 Max	0.002587	0.001635	0.000579	0.000405	0.07%	
PISO 2	20	108	DERX3 Max	0.002597	0.001633	0.000581	0.000405	0.07%	
PISO 2	20	108	DERX4 Max	0.002597	0.001633	0.000581	0.000405	0.07%	
CUB	7	43	DERX1 Min	-0.010052	-0.006677	0.001266	0.0004	0.13%	
CUB	7	43	DERX2 Min	-0.010052	-0.006677	0.001266	0.0004	0.13%	
CUB	9	45	DERX1 Max	0.009755	0.005642	0.001034	0.000392	0.11%	
CUB	9	45	DERX2 Max	0.009755	0.005642	0.001034	0.000392	0.11%	
PISO 2	19	55	DERX1 Max	0.002136	0.001264	0.000659	0.00039	0.08%	
PISO 2	19	55	DERX2 Max	0.002136	0.001264	0.000659	0.00039	0.08%	
PISO 2	19	55	DERX3 Max	0.002153	0.001262	0.000665	0.00039	0.08%	
PISO 2	19	55	DERX4 Max	0.002153	0.001262	0.000665	0.00039	0.08%	
PISO 2	19	55	DERX3 Min	-0.002205	-0.001256	0.00068	0.000388	0.08%	
PISO 2	19	55	DERX4 Min	-0.002205	-0.001256	0.00068	0.000388	0.08%	
PISO 2	19	55	DERX1 Min	-0.002222	-0.001254	0.000686	0.000387	0.08%	
PISO 2	19	55	DERX2 Min	-0.002222	-0.001254	0.000686	0.000387	0.08%	
CUB	11	47	DERX1 Max	0.010017	0.003782	0.000932	0.000385	0.10%	
CUB	11	47	DERX2 Max	0.010017	0.003782	0.000932	0.000385	0.10%	
CUB	16	52	DERX1 Min	-0.010184	-0.003555	0.001002	0.000383	0.11%	
CUB	16	52	DERX2 Min	-0.010184	-0.003555	0.001002	0.000383	0.11%	
CUB	13	49	DERX3 Min	-0.010158	-0.00206	0.000979	0.000368	0.10%	
CUB	13	49	DERX4 Min	-0.010158	-0.00206	0.000979	0.000368	0.10%	
CUB	9	45	DERX3 Max	0.009749	0.005348	0.001035	0.000365	0.11%	
CUB	9	45	DERX4 Max	0.009749	0.005348	0.001035	0.000365	0.11%	
PISO 2	7	13	DERX1 Min	-0.002669	-0.001168	0.000597	0.00035	0.07%	
PISO 2	7	13	DERX2 Min	-0.002669	-0.001168	0.000597	0.00035	0.07%	
PISO 2	7	13	DERX3 Min	-0.002659	-0.001167	0.000595	0.000349	0.07%	

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TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
PISO 2	7	13	DERX4 Min	-0.002659	-0.001167	0.000595	0.000349	0.07%	
PISO 2	8	15	DERX1 Min	-0.002227	-0.00118	0.000589	0.000348	0.07%	
PISO 2	8	15	DERX2 Min	-0.002227	-0.00118	0.000589	0.000348	0.07%	
CUB	11	47	DERX3 Max	0.010012	0.003411	0.000928	0.000347	0.10%	
CUB	11	47	DERX4 Max	0.010012	0.003411	0.000928	0.000347	0.10%	
PISO 2	7	13	DERX1 Max	0.002622	0.001164	0.000588	0.000347	0.07%	
PISO 2	7	13	DERX2 Max	0.002622	0.001164	0.000588	0.000347	0.07%	
PISO 2	7	13	DERX3 Max	0.002631	0.001165	0.00059	0.000347	0.07%	
PISO 2	7	13	DERX4 Max	0.002631	0.001165	0.00059	0.000347	0.07%	
PISO 2	8	15	DERX3 Min	-0.002217	-0.001182	0.000587	0.000347	0.07%	
PISO 2	8	15	DERX4 Min	-0.002217	-0.001182	0.000587	0.000347	0.07%	
PISO 2	8	15	DERX1 Max	0.002176	0.001188	0.000577	0.000345	0.07%	
PISO 2	8	15	DERX2 Max	0.002176	0.001188	0.000577	0.000345	0.07%	
PISO 2	8	15	DERX3 Max	0.002186	0.001187	0.000579	0.000345	0.07%	
PISO 2	8	15	DERX4 Max	0.002186	0.001187	0.000579	0.000345	0.07%	
PISO 3A	5	95	DERX3 Min	-0.018166	-0.005529	0.003282	0.000331	0.33%	
PISO 3A	5	95	DERX4 Min	-0.018166	-0.005529	0.003282	0.000331	0.33%	
CUB	13	49	DERX1 Min	-0.010151	-0.001619	0.000978	0.000316	0.10%	
CUB	13	49	DERX2 Min	-0.010151	-0.001619	0.000978	0.000316	0.10%	
PISO 3	14	28	DERX3 Min	-0.005878	-0.001	0.001814	0.000309	0.18%	
PISO 3	14	28	DERX4 Min	-0.005878	-0.001	0.001814	0.000309	0.18%	
PISO 1	5	59	DERX1 Max	0.000853	0.000866	0.000305	0.000309	0.04%	
PISO 1	5	59	DERX2 Max	0.000853	0.000866	0.000305	0.000309	0.04%	
PISO 1	5	59	DERX3 Max	0.000854	0.000866	0.000305	0.000309	0.04%	
PISO 1	5	59	DERX3 Min	-0.000858	-0.000864	0.000306	0.000309	0.04%	
PISO 1	5	59	DERX4 Max	0.000854	0.000866	0.000305	0.000309	0.04%	
PISO 1	5	59	DERX4 Min	-0.000858	-0.000864	0.000306	0.000309	0.04%	
PISO 3	13	26	DERX3 Min	-0.005946	-0.000997	0.001835	0.000308	0.19%	
PISO 3	13	26	DERX4 Min	-0.005946	-0.000997	0.001835	0.000308	0.19%	
PISO 1	5	59	DERX1 Min	-0.000859	-0.000863	0.000307	0.000308	0.04%	
PISO 1	5	59	DERX2 Min	-0.000859	-0.000863	0.000307	0.000308	0.04%	
CUB	9	45	DERX3 Min	-0.009731	-0.004465	0.001036	0.000287	0.11%	
CUB	9	45	DERX4 Min	-0.009731	-0.004465	0.001036	0.000287	0.11%	
CUB	14	50	DERX3 Min	-0.010207	-0.002046	0.000998	0.000274	0.10%	
CUB	14	50	DERX4 Min	-0.010207	-0.002046	0.000998	0.000274	0.10%	
PISO 3	14	28	DERX1 Min	-0.005846	-0.00085	0.001804	0.000262	0.18%	
PISO 3	14	28	DERX2 Min	-0.005846	-0.00085	0.001804	0.000262	0.18%	
CUB	9	45	DERX1 Min	-0.009725	-0.004171	0.001037	0.000261	0.11%	
CUB	9	45	DERX2 Min	-0.009725	-0.004171	0.001037	0.000261	0.11%	
PISO 3	13	26	DERX1 Min	-0.005953	-0.000845	0.001837	0.000261	0.19%	
PISO 3	13	26	DERX2 Min	-0.005953	-0.000845	0.001837	0.000261	0.19%	
CUB	19	160	DERX3 Min	-0.010038	-0.006513	0.000833	0.000259	0.09%	
CUB	19	160	DERX4 Min	-0.010038	-0.006513	0.000833	0.000259	0.09%	
PISO 3A	5	95	DERX1 Min	-0.018333	-0.005511	0.003337	0.00024	0.33%	
PISO 3A	5	95	DERX2 Min	-0.018333	-0.005511	0.003337	0.00024	0.33%	
CUB	11	47	DERX3 Min	-0.009994	-0.002297	0.000917	0.000236	0.09%	

CONTROL DE DERIVAS MAXIMAS NSR-10  
JARDIN INFANTIL ARBOLEDA SANTA TERESITA.  
SEPTIEMBRE DE 2018

TABLE: Joint Drifts									
Story	Label	Unique Name	load Case/Comb	Displacement X m	Displacement Y m	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>	
CUB	11	47	DERX4 Min	-0.009994	-0.002297	0.000917	0.000236	0.09%	
CUB	22	161	DERX3 Min	-0.010403	-0.004477	0.000938	0.000232	0.10%	
CUB	22	161	DERX4 Min	-0.010403	-0.004477	0.000938	0.000232	0.10%	
PISO 2	10	19	DERY1 Max	0.002492	0.000752	0.000769	0.000232	0.08%	
PISO 2	10	19	DERY2 Max	0.002492	0.000752	0.000769	0.000232	0.08%	
PISO 2	10	19	DERY3 Max	0.0025	0.000748	0.000772	0.000231	0.08%	
PISO 2	10	19	DERY4 Max	0.0025	0.000748	0.000772	0.000231	0.08%	
PISO 2	10	19	DERY3 Min	-0.002524	-0.000735	0.000779	0.000227	0.08%	
PISO 2	10	19	DERY4 Min	-0.002524	-0.000735	0.000779	0.000227	0.08%	
PISO 2	10	19	DERY1 Min	-0.002533	-0.00073	0.000782	0.000225	0.08%	
PISO 2	10	19	DERY2 Min	-0.002533	-0.00073	0.000782	0.000225	0.08%	
CUB	11	47	DERX1 Min	-0.009989	-0.001926	0.000913	0.000198	0.09%	
CUB	11	47	DERX2 Min	-0.009989	-0.001926	0.000913	0.000198	0.09%	
PISO 1	20	110	DERY1 Max	0.001158	0.000536	0.000413	0.000191	0.05%	
PISO 1	20	110	DERY2 Max	0.001158	0.000536	0.000413	0.000191	0.05%	
PISO 1	20	110	DERY3 Max	0.001161	0.000533	0.000415	0.00019	0.05%	
PISO 1	20	110	DERY4 Max	0.001161	0.000533	0.000415	0.00019	0.05%	
PISO 1	20	110	DERY3 Min	-0.001172	-0.000525	0.000419	0.000188	0.05%	
PISO 1	20	110	DERY4 Min	-0.001172	-0.000525	0.000419	0.000188	0.05%	
PISO 1	20	110	DERY1 Min	-0.001176	-0.000522	0.00042	0.000187	0.05%	
PISO 1	20	110	DERY2 Min	-0.001176	-0.000522	0.00042	0.000187	0.05%	
CUB	10	46	DERX3 Min	-0.010079	-0.004389	0.001089	0.000153	0.11%	
CUB	10	46	DERX4 Min	-0.010079	-0.004389	0.001089	0.000153	0.11%	
PISO 1	9	63	DERY1 Max	0.000077	0.00039	0.000027	0.000139	0.01%	
PISO 1	9	63	DERY2 Max	0.000077	0.00039	0.000027	0.000139	0.01%	
CUB	14	50	DERX1 Min	-0.01013	-0.0016	0.000987	0.000136	0.10%	
CUB	14	50	DERX2 Min	-0.01013	-0.0016	0.000987	0.000136	0.10%	
PISO 1	9	63	DERY3 Max	0.000073	0.000382	0.000026	0.000136	0.01%	
PISO 1	9	63	DERY4 Max	0.000073	0.000382	0.000026	0.000136	0.01%	
CUB	19	160	DERX1 Min	-0.010112	-0.006307	0.000876	0.00013	0.09%	
CUB	19	160	DERX2 Min	-0.010112	-0.006307	0.000876	0.00013	0.09%	
PISO 1	9	63	DERY3 Min	-0.000061	-0.000358	0.000022	0.000128	0.01%	
PISO 1	9	63	DERY4 Min	-0.000061	-0.000358	0.000022	0.000128	0.01%	
PISO 1	9	63	DERY1 Min	-0.000057	-0.00035	0.00002	0.000125	0.01%	
PISO 1	9	63	DERY2 Min	-0.000057	-0.00035	0.00002	0.000125	0.01%	
PISO 1	20	110	DERX1 Max	0.000846	0.000331	0.000302	0.000118	0.03%	
PISO 1	20	110	DERX2 Max	0.000846	0.000331	0.000302	0.000118	0.03%	
PISO 1	20	110	DERX3 Max	0.000849	0.000328	0.000303	0.000117	0.03%	
PISO 1	20	110	DERX4 Max	0.000849	0.000328	0.000303	0.000117	0.03%	
PISO 2	9	17	DERY1 Min	-0.001092	-0.000718	0.000329	0.000115	0.03%	
PISO 2	9	17	DERY2 Min	-0.001092	-0.000718	0.000329	0.000115	0.03%	
CUB	12	48	DERX3 Min	-0.010142	-0.002285	0.000956	0.000114	0.10%	
CUB	12	48	DERX4 Min	-0.010142	-0.002285	0.000956	0.000114	0.10%	
PISO 1	20	110	DERX1 Min	-0.000864	-0.000318	0.000309	0.000114	0.03%	
PISO 1	20	110	DERX2 Min	-0.000864	-0.000318	0.000309	0.000114	0.03%	
PISO 1	20	110	DERX3 Min	-0.00086	-0.000321	0.000307	0.000114	0.03%	

CONTROL DE DERIVAS MAXIMAS NSR-10  
JARDIN INFANTIL ARBOLEDA SANTA TERESITA.  
SEPTIEMBRE DE 2018

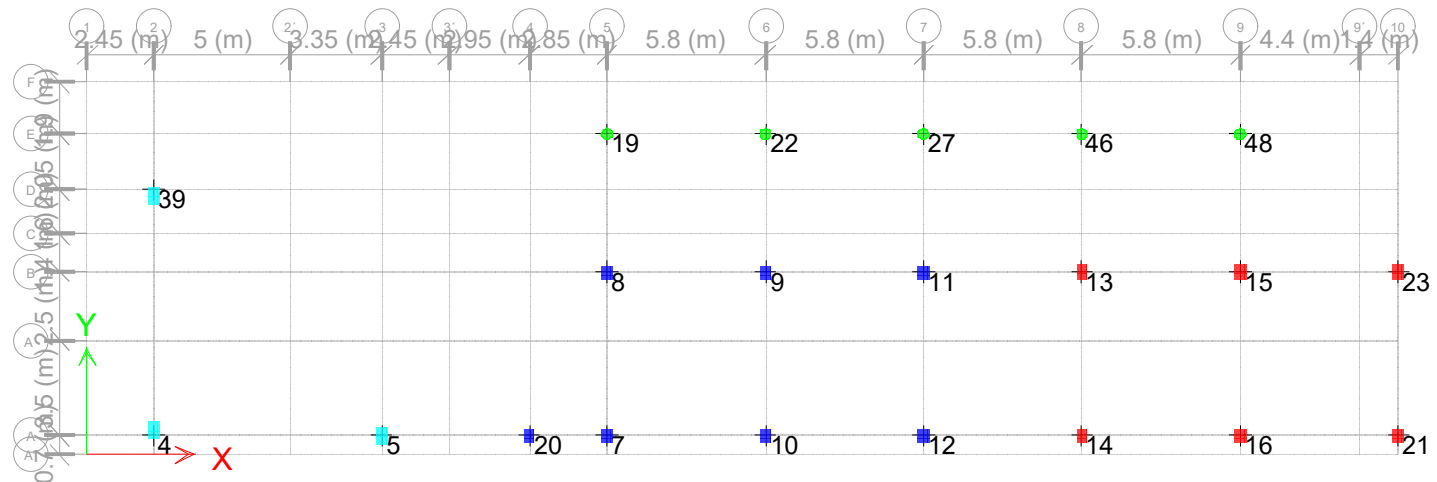
TABLE: Joint Drifts								
Story	Label	Unique Name	load Case/Comb	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 1	20	110	DERX4 Min	-0.00086	-0.000321	0.000307	0.000114	0.03%
PISO 2	9	17	DERY3 Min	-0.00108	-0.000717	0.000324	0.000112	0.03%
PISO 2	9	17	DERY4 Min	-0.00108	-0.000717	0.000324	0.000112	0.03%
PISO 2	9	17	DERY3 Max	0.001045	0.000714	0.00031	0.000103	0.03%
PISO 2	9	17	DERY4 Max	0.001045	0.000714	0.00031	0.000103	0.03%
PISO 2	9	17	DERY1 Max	0.001034	0.000713	0.000305	0.000101	0.03%
PISO 2	9	17	DERY2 Max	0.001034	0.000713	0.000305	0.000101	0.03%
CUB	22	161	DERX1 Min	-0.010473	-0.004181	0.000941	0.000075	0.09%
CUB	22	161	DERX2 Min	-0.010473	-0.004181	0.000941	0.000075	0.09%
PISO 2	10	19	DERX1 Max	0.002661	0.000237	0.000821	0.000073	0.08%
PISO 2	10	19	DERX2 Max	0.002661	0.000237	0.000821	0.000073	0.08%
PISO 2	10	19	DERX3 Max	0.002669	0.000232	0.000824	0.000072	0.08%
PISO 2	10	19	DERX4 Max	0.002669	0.000232	0.000824	0.000072	0.08%
PISO 1	8	62	DERY1 Max	0.000176	0.000202	0.000063	0.000072	0.01%
PISO 1	8	62	DERY1 Min	0.000176	0.000202	0.000063	0.000072	0.01%
PISO 1	8	62	DERY3 Max	0.000178	0.000198	0.000064	0.000071	0.01%
PISO 1	8	62	DERY4 Max	0.000178	0.000198	0.000064	0.000071	0.01%
PISO 2	10	19	DERX3 Min	-0.002694	-0.000219	0.000831	0.000068	0.08%
PISO 2	10	19	DERX4 Min	-0.002694	-0.000219	0.000831	0.000068	0.08%
PISO 1	8	62	DERY3 Min	-0.000185	-0.000188	0.000066	0.000067	0.01%
PISO 1	8	62	DERY4 Min	-0.000185	-0.000188	0.000066	0.000067	0.01%
PISO 1	9	63	DERX1 Max	0.000108	0.000186	0.000039	0.000067	0.01%
PISO 1	9	63	DERX2 Max	0.000108	0.000186	0.000039	0.000067	0.01%
PISO 2	10	19	DERX1 Min	-0.002702	-0.000215	0.000834	0.000066	0.08%
PISO 2	10	19	DERX2 Min	-0.002702	-0.000215	0.000834	0.000066	0.08%
PISO 1	8	62	DERY1 Min	-0.000187	-0.000184	0.000067	0.000066	0.01%
PISO 1	8	62	DERY2 Min	-0.000187	-0.000184	0.000067	0.000066	0.01%
PISO 1	9	63	DERX3 Max	0.000104	0.000178	0.000037	0.000064	0.01%
PISO 1	9	63	DERX4 Max	0.000104	0.000178	0.000037	0.000064	0.01%
PISO 1	9	63	DERX3 Min	-0.000093	-0.000154	0.000033	0.000055	0.01%
PISO 1	9	63	DERX4 Min	-0.000093	-0.000154	0.000033	0.000055	0.01%
PISO 1	9	63	DERX1 Min	-0.000089	-0.000146	0.000032	0.000052	0.01%
PISO 1	9	63	DERX2 Min	-0.000089	-0.000146	0.000032	0.000052	0.01%
PISO 1	7	61	DERY1 Max	0.001155	0.00014	0.000412	0.00005	0.04%
PISO 1	7	61	DERY2 Max	0.001155	0.00014	0.000412	0.00005	0.04%
PISO 1	7	61	DERY3 Max	0.001159	0.000139	0.000414	0.00005	0.04%
PISO 1	7	61	DERY4 Max	0.001159	0.000139	0.000414	0.00005	0.04%
PISO 1	7	61	DERY1 Min	-0.001173	-0.000134	0.000419	0.000048	0.04%
PISO 1	7	61	DERY2 Min	-0.001173	-0.000134	0.000419	0.000048	0.04%
PISO 1	7	61	DERY3 Min	-0.00117	-0.000135	0.000418	0.000048	0.04%
PISO 1	7	61	DERY4 Min	-0.00117	-0.000135	0.000418	0.000048	0.04%
PISO 1	8	62	DERX1 Max	0.000311	0.000114	0.000111	0.000041	0.01%
PISO 1	8	62	DERX2 Max	0.000311	0.000114	0.000111	0.000041	0.01%
PISO 1	8	62	DERX3 Max	0.000314	0.000111	0.000112	0.00004	0.01%
PISO 1	8	62	DERX4 Max	0.000314	0.000111	0.000112	0.00004	0.01%
PISO 2	9	17	DERX1 Min	-0.002128	-0.000264	0.00063	0.000039	0.06%

CONTROL DE DERIVAS MAXIMAS NSR-10  
JARDIN INFANTIL ARBOLEDA SANTA TERESITA.  
SEPTIEMBRE DE 2018

TABLE: Joint Drifts								
Story	Label	Unique Name	load Case/Comb	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 2	9	17	DERX2 Min	-0.002128	-0.000264	0.00063	0.000039	0.06%
PISO 2	9	17	DERX3 Min	-0.002117	-0.000262	0.000625	0.000036	0.06%
PISO 2	9	17	DERX4 Min	-0.002117	-0.000262	0.000625	0.000036	0.06%
PISO 1	8	62	DERX3 Min	-0.000321	-0.0001	0.000115	0.000036	0.01%
PISO 1	8	62	DERX4 Min	-0.000321	-0.0001	0.000115	0.000036	0.01%
PISO 1	8	62	DERX1 Min	-0.000323	-0.000097	0.000115	0.000035	0.01%
PISO 1	8	62	DERX2 Min	-0.000323	-0.000097	0.000115	0.000035	0.01%
CUB	12	48	DERX1 Min	-0.010061	-0.001911	0.000944	0.000027	0.09%
CUB	12	48	DERX2 Min	-0.010061	-0.001911	0.000944	0.000027	0.09%
PISO 2	9	17	DERX3 Max	0.002082	0.000259	0.000611	0.000027	0.06%
PISO 2	9	17	DERX4 Max	0.002082	0.000259	0.000611	0.000027	0.06%
PISO 2	9	17	DERX1 Max	0.00207	0.000258	0.000606	0.000025	0.06%
PISO 2	9	17	DERX2 Max	0.00207	0.000258	0.000606	0.000025	0.06%
PISO 1	7	61	DERX1 Max	0.000848	0.000066	0.000303	0.000024	0.03%
PISO 1	7	61	DERX2 Max	0.000848	0.000066	0.000303	0.000024	0.03%
PISO 1	7	61	DERX3 Max	0.000852	0.000065	0.000304	0.000023	0.03%
PISO 1	7	61	DERX4 Max	0.000852	0.000065	0.000304	0.000023	0.03%
CUB	10	46	DERX1 Min	-0.009993	-0.004093	0.001078	0.000022	0.11%
CUB	10	46	DERX2 Min	-0.009993	-0.004093	0.001078	0.000022	0.11%
PISO 1	7	61	DERX3 Min	-0.000863	-0.000061	0.000308	0.000022	0.03%
PISO 1	7	61	DERX4 Min	-0.000863	-0.000061	0.000308	0.000022	0.03%
PISO 1	7	61	DERX1 Min	-0.000866	-0.000059	0.000309	0.000021	0.03%
PISO 1	7	61	DERX2 Min	-0.000866	-0.000059	0.000309	0.000021	0.03%




## JARDIN INFANTIL SANTA TERESITA MODULO 1



### Nota:

-El control de derivas para todos los ejes verticales se adjunta a las memorias de cálculo como el numeral "CONTROL DE DERIVAS MODULO 1".

**ANALISIS DE IRREGULARIDAD TORSIONAL**
**PROYECTO : JARDIN INFANTIL ARBOLEDA SANTA TERESITA**
**FECHA: SEPTIEMBRE DE 2018**

<b>Tipo 1aP — Irregularidad torsional</b> $\phi_P = 0.9$ $1.4 \left( \frac{\Delta_1 + \Delta_2}{2} \right) \geq \Delta_1 > 1.2 \left( \frac{\Delta_1 + \Delta_2}{2} \right)$	<b>Tipo 1bP — Irregularidad torsional extrema</b> $\phi_P = 0.8$ $\Delta_1 > 1.4 \left( \frac{\Delta_1 + \Delta_2}{2} \right)$
	

NODOS 4				CHQUEQUEO EN X (CON NODO 39)		
PISO	NIVEL	DERX1	DERY1	(D1+D2)/2	CHEQUEO	IRREGULARIDAD
PISO 3A	N+8.18	0.48%	0.72%	0.004400	1.0940	NO IRREGULAR
PISO 2	N+3.24	0.11%	0.16%	-0.006363	1.0038	NO IRREGULAR
PISO 1	N+0.0	0.07%	0.10%	-0.001969	1.0524	NO IRREGULAR

NODOS 39				CHQUEQUEO EN Y (CON NODO 23)		
PISO	NIVEL	DERX1 Min	DERY1 Min	(D1+D2)/2	CHEQUEO	IRREGULARIDAD
PISO 3A	N+8.18	0.40%	0.57%	0.007665	1.2612	1aP
PISO 2	N+3.24	0.12%	0.15%	0.004965	1.7074	1bP
PISO 1	N+0.00	0.07%	0.09%			

NODOS 7				CHQUEQUEO EN Y (CON NODO 4)		
PISO	NIVEL	DERX1 Max	DERY1 Max	(D1+D2)/2	CHEQUEO	IRREGULARIDAD
CUB	N+9.72	0.16%	0.35%	0.005364	1.348418	1aP
PISO 3	N+6.48	0.16%	0.38%	0.002715	1.417674	1bP
PISO 2	N+3.24	0.07%	0.08%			
PISO 1	N+0.00	0.03%	0.04%			

NODOS 21				CHQUEQUEO EN X (CON NODO 23)		
PISO	NIVEL	DERX1 Max	DERY3 Max	(D1+D2)/2	CHEQUEO	IRREGULARIDAD
CUB	N+9.72	0.17%	1.00%	0.001637	1.3811	1aP
PISO 3	N+16.48	0.23%	0.86%	0.002266	1.0025	NO IRREGULAR

NODOS 23				CHQUEQUEO EN X (CON NODO 4)		
PISO	NIVEL	DERX1 Max	DERY1 Max	(D1+D2)/2	CHEQUEO	IRREGULARIDAD
CUB	N+9.72	0.16%	0.97%	0.003183	1.512	1bP
PISO 3	N+6.48	0.23%	0.85%	0.001701	1.328	1aP

NODOS 21				CHQUEQUEO EN Y (CON NODO 4)		
PISO	NIVEL	DERX1 Max	DERY3 Max	(D1+D2)/2	CHEQUEO	IRREGULARIDAD
CUB	N+9.72	0.17%	1.00%	0.008620	1.161	NO IRREGULAR
PISO 3	N+6.48	0.23%	0.86%	0.005084	1.689	1bP

ZONA DE RESPUESTA SÍSMICA = **PIEDEMONTA B**  
**GRUPO DE USO= III** I= 1.25

☐ COEFICIENTES Y CURVA DE SEGURIDAD LIMITADA

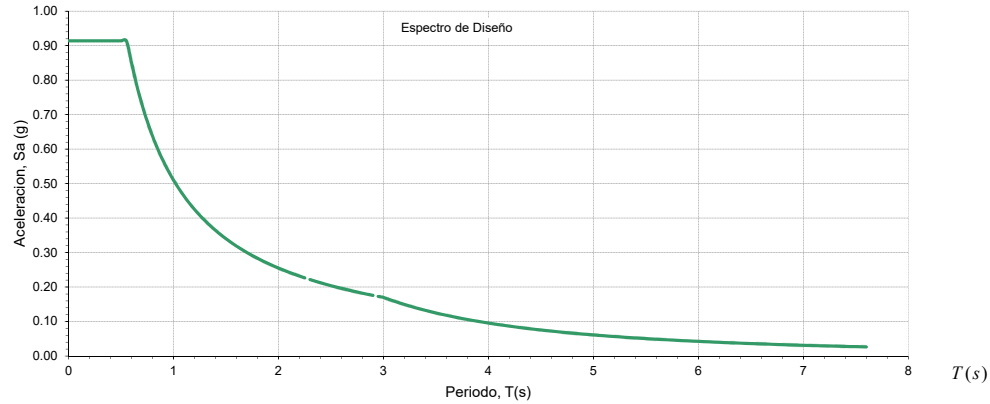
☐ COEFICIENTES Y CURVA UMBRA DE DAÑO

Aa= 0.15  
Fa= 1.95

Av= 0.20  
Fv= 1.70 To = 0.116 s

Tc= 0.56 seg  
TL= 3.00 seg

Sa ( g )



#### Parametros de la Estructura

Sistema estructural	Porticos de concreto
---------------------	----------------------

h (m) = 12.5  
Ct = 0.047  
a = 0.9  
Ta (s) = 0.456  
Cu = 1.342 Cu\*Ta = 0.612 s Según A.4.2-2, NSR-10  
R0 = 5.0

Periodo Modelo Estructural, T= 0.369 seg  
Chequeo A.5.4.5, T < Cu\*Ta : OK  
T (s)= 0.369  
Sa = 0.914

#### Calculo Masa Estructural

Nivel	Altura Piso (m)	Area (m²)	CM (kN/m²)	Ppropio (kN/m²)	Peso (tonf)
N+9.75	1.55	357.6	3.700	6.365	366.887
N+8.20	1.7	148.02	1.750	6.549	125.216
N+9.50	3.25	317.2	1.750	7.312	293.002
N+3.25	3.25	248.7	1.750	8.999	272.494
N+0.00	2.75	194.1	1.750	7.417	181.376
Peso Total =					1238.975

$$V_s = S_a * g * M$$

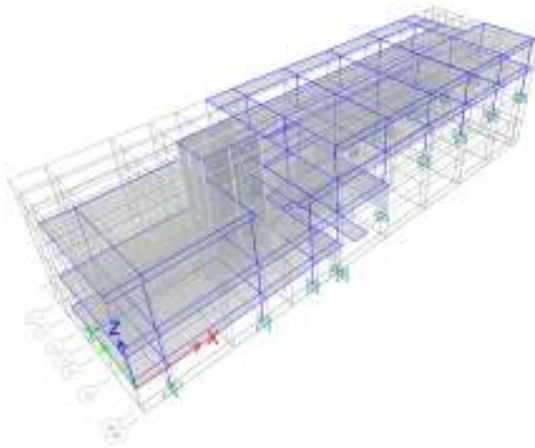
$$V_s = 11109.070 \text{ kN} \quad F_x = C_{vx} * V_s$$

$$\text{donde } C_{vx} = \frac{M_x * h_x^k}{\sum m_i * h_i^k} \quad \text{donde } k = 1.00$$

Estructura Regular=	NO
Vdiseño=	0.9x 11109.070 =999.8 ton

#### Distribucion de Fuerzas Horizontales

Nivel	hi (m)	wi (kN)	wi hi <sup>k</sup>	Cvx	Fx (kN)	Fx (Ton)	Ajuste Rsultados	
N+9.75	12.5	366.887	12.50	0.30	3350.14	335.01	Vsx	793.9
N+8.20	10.95	125.216	10.95	0.26	2934.72	293.47	F.A.x	1.26
N+9.50	9.25	293.002	9.25	0.22	2479.10	247.91	Vsy	680.15
N+3.25	6	272.494	6.00	0.14	1608.07	160.81	F.A.y	1.47
N+0.00	2.75	181.376	2.75	0.07	737.03	73.70		
Totales		1238.975	41.45	1.00	11109.07	1110.91		



## DATOS DE ENTRADA\_UMBRAL\_MOD 1

Model File: JARDIN INFANTIL SANTA TERESITA, Revision 1  
9/09/2018

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## 1 Structure Data

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

### 1.1 Story Data

Table 1.1 - Story Data

Name	Height m	Elevation m	Master Story	Similar To	Splice Story
CUB	1.54	9.72	No	None	No
PISO 3A	1.7	8.18	No	None	No
PISO 3	3.24	6.48	No	None	No
PISO 2	3.24	3.24	No	None	No
PISO 1	2.8	0	No	None	No
Base	0	-2.8	No	None	No

### 1.2 Grid Data

Table 1.2 - Grid Systems

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

Table 1.3 - Grid Lines

Grid System	Grid Direction	Grid ID	Visible	Bubble Location	Ordinate m
G1	X	1	Yes	End	0
G1	X	2	Yes	End	2.45
G1	X	2'	Yes	End	7.45
G1	X	3	Yes	End	10.8
G1	X	3'	Yes	End	13.25
G1	X	4	Yes	End	16.2
G1	X	5	Yes	End	19.05
G1	X	6	Yes	End	24.85
G1	X	7	Yes	End	30.65
G1	X	8	Yes	End	36.45
G1	X	9	Yes	End	42.25
G1	X	9'	Yes	End	46.65
G1	X	10	Yes	End	48.05
G1	Y	A"	Yes	Start	0
G1	Y	A	Yes	Start	0.7
G1	Y	A'	Yes	Start	4.2
G1	Y	B	Yes	Start	6.7
G1	Y	C	Yes	Start	8.1
G1	Y	D	Yes	Start	9.7
G1	Y	E	Yes	Start	11.75
G1	Y	F	Yes	Start	13.65

## 1.3 Point Coordinates

Table 1.4 - Joint Coordinates Data

Label	X m	Y m	$\Delta Z$ Below m
1	0	8.1	0
2	2.45	8.1	0
3	0	0.7	0
4	2.45	0.7	0
5	10.8	0.7	0
7	19.05	0.7	0
8	19.05	6.7	0
9	24.85	6.7	0
10	24.85	0.7	0
11	30.65	6.7	0
12	30.65	0.7	0
13	36.45	6.7	0
14	36.45	0.7	0
15	42.25	6.7	0
16	42.25	0.7	0
20	16.2	0.7	0
21	48.05	0.7	0
23	48.05	6.7	0
24	19.05	0	0
26	24.85	0	0
28	30.65	0	0
30	36.45	0	0
32	42.25	0	0
36	0	0	0
37	0	9.7	0
38	2.45	0	0
39	2.45	9.7	0
43	10.8	0	0
44	10.8	9.7	0
45	19.05	9.7	0
6	16.2	0	0
25	16.2	9.7	0
47	48.05	0	0
52	24.85	9.7	0
53	30.65	9.7	0
54	36.45	9.7	0
55	42.25	9.7	0
56	46.65	9.7	0
29	0	4.2	0
31	2.45	4.2	0
49	10.8	4.2	0
57	16.2	4.2	0
58	19.05	4.2	0

Table 1.4 - Joint Coordinates Data (continued)

Label	X m	Y m	$\Delta Z$ Below m
61	0	6.7	0
65	10.8	8.1	0
66	16.2	8.1	0
68	13.25	9.7	0
69	24.85	4.2	0
70	24.85	8.1	0
19	19.05	11.75	0
22	24.85	11.75	0
27	30.65	11.75	0
46	36.45	11.75	0
48	42.25	11.75	0
59	16.2	11.75	0
67	16.2	13.65	0
72	19.05	13.65	0
73	24.85	13.65	0
74	30.65	13.65	0
75	36.45	13.65	0
76	42.25	13.65	0
78	44.25	9.7	0
79	44.25	11.75	0
80	44.25	13.65	0
81	24.85	9.75	0
82	30.65	9.75	0
83	36.45	9.75	0
84	19.05	9.75	0
85	42.25	9.75	0
86	44.25	9.75	0
88	44.25	6.7	0
89	24.85	9.2	0
90	30.65	9.2	0
91	36.45	9.2	0
92	42.25	9.2	0
94	19.05	9.2	0
97	48.05	9.2	0
18	19.05	-2.8	0
34	17.6	-2.8	0
60	24.7	4.2	0
64	17.6	4.2	0
87	17.6	0.7	0
93	17.6	0	0
96	14.85	0.7	0
99	14.85	0	0
17	10.8	6.3	0
33	13.25	6.3	0

Table 1.4 - Joint Coordinates Data (continued)

Label	X m	Y m	$\Delta Z$ Below m
35	16.2	6.3	0
50	0	6.3	0
51	2.45	6.3	0
62	14.85	6.3	0

## 1.4 Line Connectivity

Table 1.5 - Column Connectivity Data

Column	I-End Point	J-End Point	I-End Story
C4	4	4	Below
C5	5	5	Below
C7	7	7	Below
C8	8	8	Below
C9	9	9	Below
C10	10	10	Below
C11	11	11	Below
C12	12	12	Below
C13	13	13	Below
C14	14	14	Below
C15	15	15	Below
C16	16	16	Below
C19	20	20	Below
C1	19	19	Below
C3	22	22	Below
C6	27	27	Below
C20	46	46	Below
C21	48	48	Below
C22	21	21	Below
C23	23	23	Below
C17	39	39	Below

Table 1.6 - Beam Connectivity Data

Beam	I-End Point	J-End Point	Curve Type
B2	3	4	None
B3	4	5	None
B4	5	20	None
B5	20	7	None
B6	7	10	None
B7	10	12	None
B8	12	14	None
B9	14	16	None
B14	8	9	None
B15	9	11	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B16	11	13	None
B17	13	15	None
B20	7	8	None
B21	10	9	None
B22	24	7	None
B24	26	10	None
B26	28	12	None
B27	12	11	None
B29	30	14	None
B30	14	13	None
B32	32	16	None
B33	16	15	None
B38	36	3	None
B39	3	1	None
B40	1	37	None
B41	38	4	None
B46	43	5	None
B49	8	45	None
B23	6	20	None
B53	36	38	None
B54	38	43	None
B55	43	6	None
B56	6	24	None
B57	24	26	None
B58	26	28	None
B59	28	30	None
B60	30	32	None
B67	37	39	None
B68	39	44	None
B70	44	25	None
B71	25	45	None
B77	47	21	None
B78	21	23	None
B81	9	52	None
B82	11	53	None
B83	13	54	None
B84	15	55	None
B86	52	53	None
B87	53	54	None
B88	54	55	None
B92	45	52	None
B90	3	29	None
B93	4	31	None
B95	5	49	None
B97	20	57	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B1	59	19	None
B12	25	59	None
B25	59	67	None
B52	45	19	None
B63	19	72	None
B64	67	72	None
B65	19	22	None
B66	22	27	None
B73	27	46	None
B91	46	48	None
B94	52	22	None
B99	22	73	None
B100	53	27	None
B101	27	74	None
B102	54	46	None
B103	46	75	None
B104	55	48	None
B105	48	76	None
B106	72	73	None
B107	73	74	None
B108	74	75	None
B109	75	76	None
B111	66	25	None
B113	78	79	None
B114	79	80	None
B115	76	80	None
B116	48	79	None
B117	84	81	None
B118	81	82	None
B119	82	83	None
B120	83	85	None
B121	85	86	None
B122	81	22	None
B123	82	27	None
B124	83	46	None
B128	84	19	None
B129	55	85	None
B130	85	48	None
B132	86	79	None
B126	15	88	None
B133	55	78	None
B136	88	78	None
B137	9	89	None
B138	11	90	None
B139	13	91	None

Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B140	15	92	None
B142	8	94	None
B144	89	90	None
B145	90	91	None
B146	91	92	None
B147	94	89	None
B149	94	84	None
B151	25	84	None
B154	23	97	None
B155	92	97	None
B156	16	21	None
B157	15	23	None
B158	32	47	None
B18	88	23	None
B10	31	39	None
B11	29	37	None
B36	58	60	None
B61	57	64	None
B62	64	58	None
B76	18	24	None
B85	34	18	None
B89	20	87	None
B125	87	7	None
B127	6	93	None
B131	93	24	None
B134	34	93	None
B135	93	87	None
B141	87	64	None
B79	4	39	None
B143	99	6	None
B148	99	96	None
B159	96	20	None
B28	17	44	None
B31	35	25	None
B34	5	17	None
B37	20	35	None
B43	17	33	None
B44	33	35	None
B69	35	8	None
B72	49	17	None
B112	57	35	None
B150	35	66	None
B153	50	51	None
B160	51	17	None
B161	96	62	None



Table 1.6 - Beam Connectivity Data (continued)

Beam	I-End Point	J-End Point	Curve Type
B162	17	35	None

## 1.5 Area Connectivity

Table 1.7 - Floor Connectivity Data

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
F19	4	1	1	65	None
		2	65	44	None
		3	44	37	None
		4	37	1	None
F21	4	1	36	24	None
		2	24	7	None
		3	7	3	None
		4	3	36	None
F30	4	1	24	26	None
		2	26	10	None
		3	10	7	None
		4	7	24	None
F32	4	1	7	10	None
		2	10	9	None
		3	9	8	None
		4	8	7	None
F1	4	1	25	45	None
		2	45	72	None
		3	72	67	None
		4	67	25	None
F3	4	1	19	48	None
		2	48	76	None
		3	76	72	None
		4	72	19	None
F6	4	1	84	81	None
		2	81	22	None
		3	22	19	None
		4	19	84	None
F9	4	1	81	82	None
		2	82	27	None
		3	27	22	None
		4	22	81	None
F10	4	1	82	83	None
		2	83	46	None
		3	46	27	None
		4	27	82	None
F11	4	1	83	85	None
		2	85	48	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	48	46	None
		4	46	83	None
F15	4	1	85	86	None
		2	86	79	None
		3	79	48	None
		4	48	85	None
F17	4	1	46	48	None
		2	48	76	None
		3	76	75	None
		4	75	46	None
F20	4	1	27	46	None
		2	46	75	None
		3	75	74	None
		4	74	27	None
F26	4	1	22	27	None
		2	27	74	None
		3	74	73	None
		4	73	22	None
F29	4	1	19	22	None
		2	22	73	None
		3	73	72	None
		4	72	19	None
F31	4	1	48	79	None
		2	79	80	None
		3	80	76	None
		4	76	48	None
F37	4	1	15	88	None
		2	88	78	None
		3	78	55	None
		4	55	15	None
F40	4	1	55	78	None
		2	78	79	None
		3	79	48	None
		4	48	55	None
F42	4	1	25	94	None
		2	94	72	None
		3	72	67	None
		4	67	25	None
F5	4	1	32	47	None
		2	47	23	None
		3	23	15	None
		4	15	32	None
F16	4	1	8	15	None
		2	15	55	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	55	45	None
		4	45	8	None
F33	4	1	15	8	None
		2	8	24	None
		3	24	32	None
		4	32	15	None
F41	4	1	44	65	None
		2	65	66	None
		3	66	25	None
		4	25	44	None
F45	4	1	43	44	None
		2	44	37	None
		3	37	36	None
		4	36	43	None
F50	4	1	18	24	None
		2	24	93	None
		3	93	34	None
		4	34	18	None
F8	4	1	9	52	None
		2	52	45	None
		3	45	8	None
		4	8	9	None
F7	4	1	6	20	None
		2	20	3	None
		3	3	36	None
		4	36	6	None
F23	4	1	20	6	None
		2	6	24	None
		3	24	7	None
		4	7	20	None
F35	4	1	45	8	None
		2	8	9	None
		3	9	52	None
		4	52	45	None
F22	4	1	23	97	None
		2	97	91	None
		3	91	13	None
		4	13	23	None
F28	4	1	13	91	None
		2	91	90	None
		3	90	11	None
		4	11	13	None
F36	4	1	11	90	None
		2	90	94	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	94	8	None
		4	8	11	None
F39	4	1	24	28	None
		2	28	11	None
		3	11	8	None
		4	8	24	None
F43	4	1	28	30	None
		2	30	13	None
		3	13	11	None
		4	11	28	None
F46	4	1	30	47	None
		2	47	23	None
		3	23	13	None
		4	13	30	None
F12	4	1	3	5	None
		2	5	49	None
		3	49	29	None
		4	29	3	None
F48	4	1	5	7	None
		2	7	58	None
		3	58	49	None
		4	49	5	None
F27	4	1	29	49	None
		2	49	44	None
		3	44	37	None
		4	37	29	None
F53	4	1	57	58	None
		2	58	8	None
		3	8	35	None
		4	35	57	None
F54	4	1	61	17	None
		2	17	65	None
		3	65	1	None
		4	1	61	None
F55	4	1	35	8	None
		2	8	45	None
		3	45	25	None
		4	25	35	None
F56	4	1	35	8	None
		2	8	94	None
		3	94	25	None
		4	25	35	None
F57	4	1	65	17	None
		2	17	35	None

Table 1.7 - Floor Connectivity Data (continued)

Floor	Number of Edges	Edge Number	Point 1	Point 2	Curve Type
		3	35	66	None
		4	66	65	None
F58	4	1	6	35	None
		2	35	62	None
		3	62	99	None
		4	99	6	None
F59	4	1	24	8	None
		2	8	35	None
		3	35	6	None
		4	6	24	None
F60	4	1	35	20	None
		2	20	7	None
		3	7	8	None
		4	8	35	None
F61	4	1	8	45	None
		2	45	25	None
		3	25	35	None
		4	35	8	None
F62	4	1	49	57	None
		2	57	35	None
		3	35	17	None
		4	17	49	None
F63	4	1	20	35	None
		2	35	17	None
		3	17	5	None
		4	5	20	None
F64	4	1	5	17	None
		2	17	61	None
		3	61	3	None
		4	3	5	None

Table 1.8 - Wall Connectivity Data

Label	Number of Edges	Edge Number	Point 1	Point 2	Curve Type	Point 1 Story	Point 2 Story
W9	4	1	24	7	None	Below	Below
		2	7	7	None	Below	Same
		3	7	24	None	Same	Same
		4	24	24	None	Same	Below
W10	4	1	7	58	None	Below	Below
		2	58	58	None	Below	Same
		3	58	7	None	Same	Same
		4	7	7	None	Same	Below
W11	4	1	58	8	None	Below	Below
		2	8	8	None	Below	Same

Table 1.8 - Wall Connectivity Data (continued)

Label	Number of Edges	Edge Number	Point 1	Point 2	Curve Type	Point 1 Story	Point 2 Story
		3	8	58	None	Same	Same
		4	58	58	None	Same	Below
W14	4	1	65	44	None	Below	Below
		2	44	44	None	Below	Same
		3	44	65	None	Same	Same
		4	65	65	None	Same	Below
W15	4	1	44	68	None	Below	Below
		2	68	68	None	Below	Same
		3	68	44	None	Same	Same
		4	44	44	None	Same	Below
W16	4	1	68	25	None	Below	Below
		2	25	25	None	Below	Same
		3	25	68	None	Same	Same
		4	68	68	None	Same	Below
W17	4	1	26	10	None	Below	Below
		2	10	10	None	Below	Same
		3	10	26	None	Same	Same
		4	26	26	None	Same	Below
W18	4	1	10	69	None	Below	Below
		2	69	69	None	Below	Same
		3	69	10	None	Same	Same
		4	10	10	None	Same	Below
W19	4	1	69	9	None	Below	Below
		2	9	9	None	Below	Same
		3	9	69	None	Same	Same
		4	69	69	None	Same	Below
W20	4	1	9	70	None	Below	Below
		2	70	70	None	Below	Same
		3	70	9	None	Same	Same
		4	9	9	None	Same	Below
W21	4	1	70	52	None	Below	Below
		2	52	52	None	Below	Same
		3	52	70	None	Same	Same
		4	70	70	None	Same	Below
W22	4	1	52	53	None	Below	Below
		2	53	53	None	Below	Same
		3	53	52	None	Same	Same
		4	52	52	None	Same	Below
W23	4	1	53	54	None	Below	Below
		2	54	54	None	Below	Same
		3	54	53	None	Same	Same
		4	53	53	None	Same	Below
W24	4	1	54	55	None	Below	Below
		2	55	55	None	Below	Same

Table 1.8 - Wall Connectivity Data (continued)

Label	Number of Edges	Edge Number	Point 1	Point 2	Curve Type	Point 1 Story	Point 2 Story
W25	4	3	55	54	None	Same	Same
		4	54	54	None	Same	Below
		1	55	56	None	Below	Below
		2	56	56	None	Below	Same
W3	4	3	56	55	None	Same	Same
		4	55	55	None	Same	Below
		1	25	45	None	Below	Below
		2	45	45	None	Below	Same
W28	4	3	45	25	None	Same	Same
		4	25	25	None	Same	Below
		1	45	45	None	Below	Same
		2	45	52	None	Same	Same
W29	4	3	52	52	None	Same	Below
		4	52	45	None	Below	Below
		1	9	8	None	Below	Below
		2	8	8	None	Below	Same
W4	4	3	8	9	None	Same	Same
		4	9	9	None	Same	Below
		1	17	33	None	Below	Below
		2	33	33	None	Below	Same
W5	4	3	33	17	None	Same	Same
		4	17	17	None	Same	Below
		1	33	35	None	Below	Below
		2	35	35	None	Below	Same
W6	4	3	35	33	None	Same	Same
		4	33	33	None	Same	Below
		1	17	65	None	Below	Below
		2	65	65	None	Below	Same
		3	65	17	None	Same	Same
		4	17	17	None	Same	Below

1.6 Mass

Table 1.9 - Mass Source

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

Table 1.10 - Mass Summary by Story

Story	UX tonf-s <sup>2</sup> /m	UY tonf-s <sup>2</sup> /m	UZ tonf-s <sup>2</sup> /m
CUB	38.259	38.259	0
PISO 3A	12.29167	12.29167	0
PISO 3	39.70523	39.70523	0

Table 1.10 - Mass Summary by Story (continued)

Story	UX tonf-s <sup>2</sup> /m	UY tonf-s <sup>2</sup> /m	UZ tonf-s <sup>2</sup> /m
PISO 2	37.4494	37.4494	0
PISO 1	26.85205	26.85205	0
Base	3.82097	3.82097	0

1.7 Groups

Table 1.11 - Group Definitions

Name	Color
All	Yellow
NODOS DERIVAS	Red

Table 1.12 - Group Assignments

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Point	7	4	PISO 2
NODOS DERIVAS	Point	9	5	PISO 2
NODOS DERIVAS	Point	10	5	PISO 3
NODOS DERIVAS	Point	13	7	PISO 2
NODOS DERIVAS	Point	14	7	PISO 3
NODOS DERIVAS	Point	15	8	PISO 2
NODOS DERIVAS	Point	16	8	PISO 3
NODOS DERIVAS	Point	17	9	PISO 2
NODOS DERIVAS	Point	18	9	PISO 3
NODOS DERIVAS	Point	19	10	PISO 2
NODOS DERIVAS	Point	20	10	PISO 3
NODOS DERIVAS	Point	21	11	PISO 2
NODOS DERIVAS	Point	22	11	PISO 3
NODOS DERIVAS	Point	23	12	PISO 2
NODOS DERIVAS	Point	24	12	PISO 3
NODOS DERIVAS	Point	25	13	PISO 2
NODOS DERIVAS	Point	26	13	PISO 3
NODOS DERIVAS	Point	27	14	PISO 2
NODOS DERIVAS	Point	28	14	PISO 3
NODOS DERIVAS	Point	29	15	PISO 2
NODOS DERIVAS	Point	30	15	PISO 3
NODOS DERIVAS	Point	31	16	PISO 2
NODOS DERIVAS	Point	32	16	PISO 3
NODOS DERIVAS	Point	43	7	CUB
NODOS DERIVAS	Point	44	8	CUB
NODOS DERIVAS	Point	45	9	CUB
NODOS DERIVAS	Point	46	10	CUB
NODOS DERIVAS	Point	47	11	CUB
NODOS DERIVAS	Point	48	12	CUB
NODOS DERIVAS	Point	49	13	CUB
NODOS DERIVAS	Point	50	14	CUB
NODOS DERIVAS	Point	51	15	CUB

Table 1.12 - Group Assignments (continued)

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Point	52	16	CUB
NODOS DERIVAS	Point	58	4	PISO 1
NODOS DERIVAS	Point	59	5	PISO 1
NODOS DERIVAS	Point	61	7	PISO 1
NODOS DERIVAS	Point	62	8	PISO 1
NODOS DERIVAS	Point	63	9	PISO 1
NODOS DERIVAS	Point	64	10	PISO 1
NODOS DERIVAS	Point	80	20	PISO 3
NODOS DERIVAS	Point	81	21	PISO 3
NODOS DERIVAS	Point	83	23	PISO 3
NODOS DERIVAS	Point	108	20	PISO 2
NODOS DERIVAS	Point	110	20	PISO 1
NODOS DERIVAS	Point	122	21	CUB
NODOS DERIVAS	Point	124	23	CUB
NODOS DERIVAS	Point	168	39	PISO 2
NODOS DERIVAS	Point	42	19	PISO 3
NODOS DERIVAS	Point	55	19	PISO 2
NODOS DERIVAS	Point	73	22	PISO 2
NODOS DERIVAS	Point	76	22	PISO 3
NODOS DERIVAS	Point	77	27	PISO 2
NODOS DERIVAS	Point	82	27	PISO 3
NODOS DERIVAS	Point	121	46	PISO 2
NODOS DERIVAS	Point	123	46	PISO 3
NODOS DERIVAS	Point	160	19	CUB
NODOS DERIVAS	Point	161	22	CUB
NODOS DERIVAS	Point	162	27	CUB
NODOS DERIVAS	Point	163	46	CUB
NODOS DERIVAS	Point	204	21	PISO 2
NODOS DERIVAS	Point	205	23	PISO 2
NODOS DERIVAS	Point	246	22	PISO 1
NODOS DERIVAS	Point	247	27	PISO 1
NODOS DERIVAS	Point	250	46	PISO 1
NODOS DERIVAS	Point	251	48	PISO 1
NODOS DERIVAS	Point	252	19	PISO 1
NODOS DERIVAS	Point	94	4	PISO 3A
NODOS DERIVAS	Point	95	5	PISO 3A
NODOS DERIVAS	Point	311	39	PISO 3A
NODOS DERIVAS	Point	323	39	PISO 1
NODOS DERIVAS	Line	4	C4	PISO 3
NODOS DERIVAS	Line	5	C5	PISO 3
NODOS DERIVAS	Line	7	C7	PISO 3
NODOS DERIVAS	Line	8	C8	PISO 3
NODOS DERIVAS	Line	9	C9	PISO 3
NODOS DERIVAS	Line	11	C11	PISO 3
NODOS DERIVAS	Line	12	C12	PISO 3

Table 1.12 - Group Assignments (continued)

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Line	13	C13	PISO 3
NODOS DERIVAS	Line	14	C14	PISO 3
NODOS DERIVAS	Line	15	C15	PISO 3
NODOS DERIVAS	Line	16	C16	PISO 3
NODOS DERIVAS	Line	25	C7	CUB
NODOS DERIVAS	Line	26	C8	CUB
NODOS DERIVAS	Line	27	C9	CUB
NODOS DERIVAS	Line	28	C10	CUB
NODOS DERIVAS	Line	29	C11	CUB
NODOS DERIVAS	Line	30	C12	CUB
NODOS DERIVAS	Line	31	C13	CUB
NODOS DERIVAS	Line	32	C14	CUB
NODOS DERIVAS	Line	33	C15	CUB
NODOS DERIVAS	Line	34	C16	CUB
NODOS DERIVAS	Line	40	C4	PISO 2
NODOS DERIVAS	Line	41	C5	PISO 2
NODOS DERIVAS	Line	43	C7	PISO 2
NODOS DERIVAS	Line	44	C8	PISO 2
NODOS DERIVAS	Line	45	C9	PISO 2
NODOS DERIVAS	Line	46	C10	PISO 2
NODOS DERIVAS	Line	56	C4	PISO 1
NODOS DERIVAS	Line	57	C5	PISO 1
NODOS DERIVAS	Line	110	C19	PISO 3
NODOS DERIVAS	Line	112	C19	PISO 2
NODOS DERIVAS	Line	113	C19	PISO 1
NODOS DERIVAS	Line	296	C7	PISO 1
NODOS DERIVAS	Line	1	C1	PISO 3
NODOS DERIVAS	Line	3	C3	PISO 3
NODOS DERIVAS	Line	19	C6	PISO 3
NODOS DERIVAS	Line	21	C20	PISO 3
NODOS DERIVAS	Line	37	C21	PISO 3
NODOS DERIVAS	Line	226	C1	CUB
NODOS DERIVAS	Line	227	C3	CUB
NODOS DERIVAS	Line	228	C6	CUB
NODOS DERIVAS	Line	231	C20	CUB
NODOS DERIVAS	Line	232	C21	CUB
NODOS DERIVAS	Line	280	C22	PISO 3
NODOS DERIVAS	Line	281	C22	CUB
NODOS DERIVAS	Line	282	C23	PISO 3
NODOS DERIVAS	Line	287	C23	CUB
NODOS DERIVAS	Line	290	C3	PISO 2
NODOS DERIVAS	Line	291	C6	PISO 2
NODOS DERIVAS	Line	294	C20	PISO 2
NODOS DERIVAS	Line	295	C21	PISO 2
NODOS DERIVAS	Line	307	C1	PISO 2

Table 1.12 - Group Assignments (continued)

Name	Object Type	Unique Name	Label	Story
NODOS DERIVAS	Line	79	C8	PISO 1
NODOS DERIVAS	Line	59	C4	PISO 3A
NODOS DERIVAS	Line	71	C5	PISO 3A
NODOS DERIVAS	Line	469	C17	PISO 1
NODOS DERIVAS	Line	470	C17	PISO 2
NODOS DERIVAS	Line	471	C17	PISO 3
NODOS DERIVAS	Line	472	C17	PISO 3A
NODOS DERIVAS	Line	6	C10	PISO 3
NODOS DERIVAS	Line	24	C9	PISO 1

2 Properties

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

2.1 Materials

Table 2.1 - Material Properties - Summary

Name	Type	E tonf/m²	v	Unit Weight tonf/m³	Design Strengths
21MPa	Concrete	2192389.81	0.2	2.4028	Fc=1900 tonf/m²
28MPa	Concrete	2487006	0.2	2.4	Fc=2800 tonf/m²
A416Gr270	Tendon	20037480	0	7.849	Fy=172322.4 tonf/m², Fu=189828.8 tonf/m²
A615Gr60	Rebar	20389020	0	7.849	Fy=42184.18 tonf/m², Fu=63276.27 tonf/m²

2.2 Frame Sections

Table 2.2 - Frame Sections - Summary

Name	Material	Shape
COL D40	28MPa	Concrete Circle
COL D50	28MPa	Concrete Circle
COL40x50	28MPa	Concrete Rectangular
COL40X55	28MPa	Concrete Rectangular
COL40x60	28MPa	Concrete Rectangular
V15x50	28MPa	Concrete Rectangular
V20x50	28MPa	Concrete Rectangular
V25x50	28MPa	Concrete Rectangular
V30x50	28MPa	Concrete Rectangular
V40x50	28MPa	Concrete Rectangular
V50x50	28MPa	Concrete Rectangular
V50x60	28MPa	Concrete Rectangular

2.3 Shell Sections

Table 2.3 - Shell Sections - Summary

Name	Design Type	Element Type	Material	Total Thickness m
CONTENCION	Wall	Shell-Thin	21MPa	0.25
LOSA 10 cm	Slab	Membrane	28MPa	0.1
PANT 25	Wall	Shell-Thin	28MPa	0.25
PLACA CON TORTA INF	Slab	Membrane	28MPa	0.08
PLACA ENTREPISO	Slab	Membrane	28MPa	0.08

2.4 Reinforcement Sizes

2.5 Tendon Sections

Table 2.4 - Reinforcing Bar Sizes

Name	Diameter m	Area m²
10	0.01	7.9E-05
18	0.018	0.000255
20	0.02	0.000314

Table 2.5 - Tendon Section Properties

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

3 Assignments

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

3.1 Joint Assignments

Table 3.1 - Joint Assignments - Summary

Story	Label	Unique Name	Diaphragm	Restraints
CUB	7	43	Disconnected	
CUB	8	44	Disconnected	
CUB	9	45	Disconnected	
CUB	10	46	Disconnected	
CUB	11	47	Disconnected	
CUB	12	48	Disconnected	
CUB	13	49	Disconnected	
CUB	14	50	Disconnected	
CUB	15	51	Disconnected	
CUB	16	52	Disconnected	
CUB	21	122	Disconnected	
CUB	23	124	Disconnected	
CUB	24	125	Disconnected	
CUB	26	126	Disconnected	
CUB	28	128	Disconnected	
CUB	30	130	Disconnected	
CUB	32	132	Disconnected	
CUB	44	141	Disconnected	
CUB	45	142	Disconnected	
CUB	25	144	Disconnected	
CUB	47	146	Disconnected	
CUB	52	127	Disconnected	
CUB	53	129	Disconnected	
CUB	54	131	Disconnected	
CUB	55	133	Disconnected	
CUB	65	218	Disconnected	
CUB	66	220	Disconnected	
CUB	68	228	Disconnected	
CUB	19	160	Disconnected	
CUB	22	161	Disconnected	
CUB	27	162	Disconnected	
CUB	46	163	Disconnected	
CUB	48	164	Disconnected	
CUB	59	174	Disconnected	
CUB	67	175	Disconnected	
CUB	72	176	Disconnected	
CUB	73	177	Disconnected	
CUB	74	178	Disconnected	
CUB	75	179	Disconnected	
CUB	76	182	Disconnected	
CUB	78	266	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
CUB	79	272	Disconnected	
CUB	80	273	Disconnected	
CUB	88	211	Disconnected	
CUB	17	119	Disconnected	
CUB	33	118	Disconnected	
CUB	35	120	Disconnected	
PISO 3A	1	298	Disconnected	
PISO 3A	3	297	Disconnected	
PISO 3A	4	94	Disconnected	
PISO 3A	5	95	Disconnected	
PISO 3A	7	113	Disconnected	
PISO 3A	8	134	Disconnected	
PISO 3A	9	135	Disconnected	
PISO 3A	10	148	Disconnected	
PISO 3A	11	149	Disconnected	
PISO 3A	12	195	Disconnected	
PISO 3A	13	206	Disconnected	
PISO 3A	14	208	Disconnected	
PISO 3A	15	267	Disconnected	
PISO 3A	16	268	Disconnected	
PISO 3A	21	277	Disconnected	
PISO 3A	23	278	Disconnected	
PISO 3A	36	308	Disconnected	
PISO 3A	37	309	Disconnected	
PISO 3A	38	310	Disconnected	
PISO 3A	39	311	Disconnected	
PISO 3A	43	312	Disconnected	
PISO 3A	44	283	Disconnected	
PISO 3A	25	285	Disconnected	
PISO 3A	65	282	Disconnected	
PISO 3A	68	284	Disconnected	
PISO 3A	19	270	Disconnected	
PISO 3A	22	271	Disconnected	
PISO 3A	27	274	Disconnected	
PISO 3A	46	275	Disconnected	
PISO 3A	48	276	Disconnected	
PISO 3A	84	294	Disconnected	
PISO 3A	17	279	Disconnected	
PISO 3A	33	280	Disconnected	
PISO 3A	35	281	Disconnected	
PISO 3	4	8	Disconnected	
PISO 3	5	10	Disconnected	
PISO 3	7	14	Disconnected	
PISO 3	8	16	Disconnected	
PISO 3	9	18	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 3	10	20	Disconnected	
PISO 3	11	22	Disconnected	
PISO 3	12	24	Disconnected	
PISO 3	13	26	Disconnected	
PISO 3	14	28	Disconnected	
PISO 3	15	30	Disconnected	
PISO 3	16	32	Disconnected	
PISO 3	20	80	Disconnected	
PISO 3	21	81	Disconnected	
PISO 3	23	83	Disconnected	
PISO 3	24	84	Disconnected	
PISO 3	26	86	Disconnected	
PISO 3	28	88	Disconnected	
PISO 3	30	90	Disconnected	
PISO 3	32	92	Disconnected	
PISO 3	39	99	Disconnected	
PISO 3	44	107	Disconnected	
PISO 3	6	11	Disconnected	
PISO 3	25	12	Disconnected	
PISO 3	47	60	Disconnected	
PISO 3	65	217	Disconnected	
PISO 3	68	227	Disconnected	
PISO 3	19	42	Disconnected	
PISO 3	22	76	Disconnected	
PISO 3	27	82	Disconnected	
PISO 3	46	123	Disconnected	
PISO 3	48	147	Disconnected	
PISO 3	59	150	Disconnected	
PISO 3	67	151	Disconnected	
PISO 3	72	152	Disconnected	
PISO 3	73	257	Disconnected	
PISO 3	74	258	Disconnected	
PISO 3	75	259	Disconnected	
PISO 3	76	260	Disconnected	
PISO 3	79	66	Disconnected	
PISO 3	80	67	Disconnected	
PISO 3	81	69	Disconnected	
PISO 3	82	70	Disconnected	
PISO 3	83	71	Disconnected	
PISO 3	84	72	Disconnected	
PISO 3	85	159	Disconnected	
PISO 3	86	248	Disconnected	
PISO 3	89	87	Disconnected	
PISO 3	90	89	Disconnected	
PISO 3	91	91	Disconnected	



Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 3	92	93	Disconnected	
PISO 3	94	112	Disconnected	
PISO 3	97	114	Disconnected	
PISO 3	96	37	Disconnected	
PISO 3	99	39	Disconnected	
PISO 3	17	103	Disconnected	
PISO 3	33	102	Disconnected	
PISO 3	35	105	Disconnected	
PISO 3	62	38	Disconnected	
PISO 2	1	1	Disconnected	
PISO 2	2	3	Disconnected	
PISO 2	3	5	Disconnected	
PISO 2	4	7	Disconnected	
PISO 2	5	9	Disconnected	
PISO 2	7	13	Disconnected	
PISO 2	8	15	Disconnected	
PISO 2	9	17	Disconnected	
PISO 2	10	19	Disconnected	
PISO 2	11	21	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	12	23	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	13	25	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	14	27	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	15	29	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	16	31	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	20	108	Disconnected	
PISO 2	21	204	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	23	205	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 2	24	154	Disconnected	
PISO 2	26	155	Disconnected	
PISO 2	36	165	Disconnected	
PISO 2	37	166	Disconnected	
PISO 2	38	167	Disconnected	
PISO 2	39	168	Disconnected	
PISO 2	43	169	Disconnected	
PISO 2	44	170	Disconnected	
PISO 2	45	171	Disconnected	
PISO 2	6	172	Disconnected	
PISO 2	25	173	Disconnected	
PISO 2	52	156	Disconnected	
PISO 2	53	236	Disconnected	
PISO 2	54	238	Disconnected	
PISO 2	55	240	Disconnected	
PISO 2	56	242	Disconnected	
PISO 2	57	329	Disconnected	
PISO 2	58	330	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 2	61	219	Disconnected	
PISO 2	65	216	Disconnected	
PISO 2	68	226	Disconnected	
PISO 2	69	231	Disconnected	
PISO 2	70	233	Disconnected	
PISO 2	19	55	Disconnected	
PISO 2	22	73	Disconnected	
PISO 2	27	77	Disconnected	
PISO 2	46	121	Disconnected	
PISO 2	48	145	Disconnected	
PISO 2	59	153	Disconnected	
PISO 2	67	157	Disconnected	
PISO 2	72	158	Disconnected	
PISO 2	73	253	Disconnected	
PISO 2	74	254	Disconnected	
PISO 2	75	255	Disconnected	
PISO 2	76	256	Disconnected	
PISO 2	78	33	Disconnected	
PISO 2	79	35	Disconnected	
PISO 2	80	65	Disconnected	
PISO 2	81	249	Disconnected	
PISO 2	82	261	Disconnected	
PISO 2	83	262	Disconnected	
PISO 2	84	263	Disconnected	
PISO 2	85	264	Disconnected	
PISO 2	86	265	Disconnected	
PISO 2	18	327	Disconnected	
PISO 2	34	328	Disconnected	
PISO 2	60	331	Disconnected	
PISO 2	64	332	Disconnected	
PISO 2	87	333	Disconnected	
PISO 2	93	334	Disconnected	
PISO 2	17	100	Disconnected	
PISO 2	33	101	Disconnected	
PISO 2	35	104	Disconnected	
PISO 1	3	57	Disconnected	
PISO 1	4	58	Disconnected	
PISO 1	5	59	Disconnected	
PISO 1	7	61	Disconnected	
PISO 1	8	62	Disconnected	
PISO 1	9	63	Disconnected	
PISO 1	10	64	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	20	110	Disconnected	
PISO 1	24	193	Disconnected	
PISO 1	26	229	Disconnected	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
PISO 1	36	200	Disconnected	
PISO 1	37	324	Disconnected	
PISO 1	38	201	Disconnected	
PISO 1	39	323	Disconnected	
PISO 1	43	202	Disconnected	
PISO 1	44	215	Disconnected	
PISO 1	45	209	Disconnected	
PISO 1	6	203	Disconnected	
PISO 1	25	225	Disconnected	
PISO 1	52	234	Disconnected	
PISO 1	53	235	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	54	237	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	55	239	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	56	241	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	29	181	Disconnected	
PISO 1	31	184	Disconnected	
PISO 1	49	188	Disconnected	
PISO 1	57	192	Disconnected	
PISO 1	58	194	Disconnected	
PISO 1	65	213	Disconnected	
PISO 1	66	245	Disconnected	
PISO 1	68	223	Disconnected	
PISO 1	69	230	Disconnected	
PISO 1	70	232	Disconnected	
PISO 1	19	252	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	22	246	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	27	247	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	46	250	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	48	251	Disconnected	UX; UY; UZ; RX; RY; RZ
PISO 1	17	78	Disconnected	
PISO 1	33	79	Disconnected	
PISO 1	35	85	Disconnected	
PISO 1	50	325	Disconnected	
PISO 1	51	326	Disconnected	
Base	4	74	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	5	75	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	7	198	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	8	197	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	9	336	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	20	111	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	24	199	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	39	322	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	44	214	Disconnected	UX; UY; UZ
Base	45	207	Disconnected	UX; UY; UZ
Base	25	224	Disconnected	UX; UY; UZ

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	Unique Name	Diaphragm	Restraints
Base	52	335	Disconnected	UX; UY; UZ
Base	58	196	Disconnected	
Base	65	212	Disconnected	UX; UY; UZ
Base	68	222	Disconnected	UX; UY; UZ
Base	70	337	Disconnected	
Base	17	115	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	33	116	Disconnected	UX; UY; UZ; RX; RY; RZ
Base	35	117	Disconnected	UX; UY; UZ; RX; RY; RZ

## 3.2 Frame Assignments

Table 3.2 - Frame Assignments - Summary

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
CUB	C7	25	Column	1.54	COL40x50	COL40x50	4	No
CUB	C8	26	Column	1.54	COL40x50	COL40x50	4	No
CUB	C9	27	Column	1.54	COL40x50	COL40x50	4	No
CUB	C10	28	Column	1.54	COL40x50	COL40x50	4	No
CUB	C11	29	Column	1.54	COL40x50	COL40x50	4	No
CUB	C12	30	Column	1.54	COL40x50	COL40x50	4	No
CUB	C13	31	Column	1.54	COL40X55	COL40X55	4	No
CUB	C14	32	Column	1.54	COL40X55	COL40X55	4	No
CUB	C15	33	Column	1.54	COL40X55	COL40X55	4	No
CUB	C16	34	Column	1.54	COL40X55	COL40X55	4	No
CUB	C1	226	Column	1.54	COL D40	COL D40	4	No
CUB	C3	227	Column	1.54	COL D40	COL D40	4	No
CUB	C6	228	Column	1.54	COL D40	COL D40	4	No
CUB	C20	231	Column	1.54	COL D40	COL D40	4	No
CUB	C21	232	Column	1.54	COL D40	COL D40	4	No
CUB	C22	281	Column	1.54	COL40x60	COL40x60	4	No
CUB	C23	287	Column	1.54	COL40x60	COL40x60	4	No
PISO 3A	C4	59	Column	1.7	COL40x60	COL40x60	4	Yes
PISO 3A	C5	71	Column	1.7	COL40x60	COL40x60	4	No
PISO 3A	C7	96	Column	1.7	COL40x50	COL40x50	4	No
PISO 3A	C8	97	Column	1.7	COL40x50	COL40x50	4	No
PISO 3A	C9	98	Column	1.7	COL40x50	COL40x50	4	No
PISO 3A	C10	120	Column	1.7	COL40x50	COL40x50	4	No
PISO 3A	C11	129	Column	1.7	COL40x50	COL40x50	4	No
PISO 3A	C12	148	Column	1.7	COL40x50	COL40x50	4	No
PISO 3A	C13	155	Column	1.7	COL40X55	COL40X55	4	No
PISO 3A	C14	171	Column	1.7	COL40X55	COL40X55	4	No
PISO 3A	C15	172	Column	1.7	COL40X55	COL40X55	4	No
PISO 3A	C16	173	Column	1.7	COL40X55	COL40X55	4	No
PISO 3A	C1	428	Column	1.7	COL D40	COL D40	4	No
PISO 3A	C3	429	Column	1.7	COL D40	COL D40	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
PISO 3A	C6	430	Column	1.7	COL D40	COL D40	4	No
PISO 3A	C20	431	Column	1.7	COL D40	COL D40	4	No
PISO 3A	C21	432	Column	1.7	COL D40	COL D40	4	No
PISO 3A	C22	438	Column	1.7	COL40x60	COL40x60	4	No
PISO 3A	C23	439	Column	1.7	COL40x60	COL40x60	4	No
PISO 3A	C17	472	Column	1.7	COL40x60	COL40x60	4	Yes
PISO 3	C4	4	Column	3.24	COL40x60	COL40x60	4	Yes
PISO 3	C5	5	Column	3.24	COL40x60	COL40x60	4	No
PISO 3	C7	7	Column	3.24	COL40x50	COL40x50	4	No
PISO 3	C8	8	Column	3.24	COL40x50	COL40x50	4	No
PISO 3	C9	9	Column	3.24	COL40x50	COL40x50	4	No
PISO 3	C10	6	Column	3.24	COL40x50	COL40x50	4	No
PISO 3	C11	11	Column	3.24	COL40x50	COL40x50	4	No
PISO 3	C12	12	Column	3.24	COL40x50	COL40x50	4	No
PISO 3	C13	13	Column	3.24	COL40X55	COL40X55	4	No
PISO 3	C14	14	Column	3.24	COL40X55	COL40X55	4	No
PISO 3	C15	15	Column	3.24	COL40X55	COL40X55	4	No
PISO 3	C16	16	Column	3.24	COL40X55	COL40X55	4	No
PISO 3	C19	110	Column	3.24	COL D50	COL D50	4	No
PISO 3	C1	1	Column	3.24	COL D40	COL D40	4	No
PISO 3	C3	3	Column	3.24	COL D40	COL D40	4	No
PISO 3	C6	19	Column	3.24	COL D40	COL D40	4	No
PISO 3	C20	21	Column	3.24	COL D40	COL D40	4	No
PISO 3	C21	37	Column	3.24	COL D40	COL D40	4	No
PISO 3	C22	280	Column	3.24	COL40x60	COL40x60	4	No
PISO 3	C23	282	Column	3.24	COL40x60	COL40x60	4	No
PISO 3	C17	471	Column	3.24	COL40x60	COL40x60	4	Yes
PISO 2	C4	40	Column	3.24	COL40x60	COL40x60	4	Yes
PISO 2	C5	41	Column	3.24	COL40x60	COL40x60	4	No
PISO 2	C7	43	Column	3.24	COL40x50	COL40x50	4	No
PISO 2	C8	44	Column	3.24	COL40x50	COL40x50	4	No
PISO 2	C9	45	Column	3.24	COL40x50	COL40x50	4	No
PISO 2	C10	46	Column	3.24	COL40x50	COL40x50	4	No
PISO 2	C19	112	Column	3.24	COL D50	COL D50	4	No
PISO 2	C1	307	Column	3.24	COL D40	COL D40	4	No
PISO 2	C3	290	Column	3.24	COL D40	COL D40	4	No
PISO 2	C6	291	Column	3.24	COL D40	COL D40	4	No
PISO 2	C20	294	Column	3.24	COL D40	COL D40	4	No
PISO 2	C21	295	Column	3.24	COL D40	COL D40	4	No
PISO 2	C17	470	Column	3.24	COL40x60	COL40x60	4	Yes
PISO 1	C4	56	Column	2.8	COL40x60	COL40x60	4	Yes
PISO 1	C5	57	Column	2.8	COL40x60	COL40x60	4	No
PISO 1	C7	296	Column	2.8	COL40x50	COL40x50	4	No
PISO 1	C8	79	Column	2.8	COL40x50	COL40x50	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
PISO 1	C9	24	Column	2.8	COL40x50	COL40x50	4	No
PISO 1	C19	113	Column	2.8	COL D50	COL D50	4	No
PISO 1	C17	469	Column	2.8	COL40x60	COL40x60	4	Yes
CUB	B6	143	Beam	5.8	V30x50	V30x50	4	No
CUB	B7	144	Beam	5.8	V30x50	V30x50	4	No
CUB	B8	145	Beam	5.8	V30x50	V30x50	4	No
CUB	B9	146	Beam	5.8	V30x50	V30x50	4	No
CUB	B14	151	Beam	5.8	V30x50	V30x50	4	No
CUB	B15	152	Beam	5.8	V30x50	V30x50	4	No
CUB	B16	153	Beam	5.8	V30x50	V30x50	4	No
CUB	B17	154	Beam	5.8	V30x50	V30x50	4	No
CUB	B20	157	Beam	6	V30x50	V30x50	4	No
CUB	B21	158	Beam	6	V40x50	V40x50	4	No
CUB	B22	159	Beam	0.7	V30x50	V30x50	4	No
CUB	B24	160	Beam	0.7	V40x50	V40x50	4	No
CUB	B26	162	Beam	0.7	V40x50	V40x50	4	No
CUB	B27	163	Beam	6	V40x50	V40x50	4	No
CUB	B29	165	Beam	0.7	V50x50	V50x50	4	No
CUB	B30	166	Beam	6	V50x50	V50x50	4	No
CUB	B32	168	Beam	0.7	V50x50	V50x50	4	No
CUB	B33	169	Beam	6	V50x50	V50x50	4	No
CUB	B49	185	Beam	3	V30x50	V30x50	4	No
CUB	B57	194	Beam	5.8	V15x50	V15x50	4	No
CUB	B58	195	Beam	5.8	V15x50	V15x50	4	No
CUB	B59	196	Beam	5.8	V15x50	V15x50	4	No
CUB	B60	197	Beam	5.8	V15x50	V15x50	4	No
CUB	B70	206	Beam	5.4	V15x50	V15x50	4	No
CUB	B71	207	Beam	2.85	V15x50	V15x50	4	No
CUB	B77	212	Beam	0.7	V50x60	V50x60	4	No
CUB	B78	213	Beam	6	V50x60	V50x60	4	No
CUB	B81	161	Beam	3	V40x50	V40x50	4	No
CUB	B82	164	Beam	3	V40x50	V40x50	4	No
CUB	B83	167	Beam	3	V50x50	V50x50	4	No
CUB	B84	170	Beam	3	V50x50	V50x50	4	No
CUB	B86	208	Beam	5.8	V15x50	V15x50	4	No
CUB	B87	209	Beam	5.8	V15x50	V15x50	4	No
CUB	B88	210	Beam	5.8	V15x50	V15x50	4	No
CUB	B92	214	Beam	5.8	V15x50	V15x50	4	No
CUB	B1	233	Beam	2.85	V30x50	V30x50	4	No
CUB	B12	234	Beam	2.05	V30x50	V30x50	4	No
CUB	B25	235	Beam	1.9	V30x50	V30x50	4	No
CUB	B52	241	Beam	2.05	V30x50	V30x50	4	No
CUB	B63	242	Beam	1.9	V30x50	V30x50	4	No
CUB	B64	243	Beam	2.85	V30x50	V30x50	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
CUB	B65	244	Beam	5.8	V30x50	V30x50	4	No
CUB	B66	245	Beam	5.8	V30x50	V30x50	4	No
CUB	B73	246	Beam	5.8	V30x50	V30x50	4	No
CUB	B91	247	Beam	5.8	V30x50	V30x50	4	No
CUB	B94	248	Beam	2.05	V40x50	V40x50	4	No
CUB	B99	249	Beam	1.9	V40x50	V40x50	4	No
CUB	B100	250	Beam	2.05	V40x50	V40x50	4	No
CUB	B101	251	Beam	1.9	V40x50	V40x50	4	No
CUB	B102	252	Beam	2.05	V50x50	V50x50	4	No
CUB	B103	268	Beam	1.9	V50x50	V50x50	4	No
CUB	B104	274	Beam	2.05	V50x50	V50x50	4	No
CUB	B105	275	Beam	1.9	V50x50	V50x50	4	No
CUB	B106	276	Beam	5.8	V20x50	V20x50	4	No
CUB	B107	277	Beam	5.8	V20x50	V20x50	4	No
CUB	B108	278	Beam	5.8	V20x50	V20x50	4	No
CUB	B109	279	Beam	5.8	V20x50	V20x50	4	No
CUB	B113	366	Beam	2.05	V20x50	V20x50	4	No
CUB	B114	23	Beam	1.9	V20x50	V20x50	4	No
CUB	B115	349	Beam	2	V20x50	V20x50	4	No
CUB	B116	354	Beam	2	V20x50	V20x50	4	No
CUB	B126	52	Beam	2	V30x50	V30x50	4	No
CUB	B133	54	Beam	2	V15x50	V15x50	4	No
CUB	B136	211	Beam	3	V20x50	V20x50	4	No
CUB	B156	147	Beam	5.8	V30x50	V30x50	4	No
CUB	B158	198	Beam	5.8	V15x50	V15x50	4	No
CUB	B18	156	Beam	3.8	V30x50	V30x50	4	No
CUB	B28	184	Beam	3.4	V30x50	V30x50	4	No
CUB	B31	188	Beam	3.4	V30x50	V30x50	4	No
CUB	B69	101	Beam	2.87793	V30x50	V30x50	4	No
CUB	B162	100	Beam	5.4	V30x50	V30x50	4	No
PISO 3A	B2	199	Beam	2.45	V30x50	V30x50	4	No
PISO 3A	B3	215	Beam	8.35	V30x50	V30x50	4	No
PISO 3A	B38	392	Beam	0.7	V15x50	V15x50	4	No
PISO 3A	B39	393	Beam	7.4	V15x50	V15x50	4	No
PISO 3A	B40	394	Beam	1.6	V15x50	V15x50	4	No
PISO 3A	B41	395	Beam	0.7	V40x50	V40x50	4	No
PISO 3A	B46	400	Beam	0.7	V30x50	V30x50	4	No
PISO 3A	B53	408	Beam	2.45	V15x50	V15x50	4	No
PISO 3A	B54	409	Beam	8.35	V15x50	V15x50	4	No
PISO 3A	B67	417	Beam	2.45	V30x50	V30x50	4	No
PISO 3A	B68	418	Beam	8.35	V30x50	V30x50	4	No
PISO 3A	B70	419	Beam	5.4	V25x50	V25x50	4	No
PISO 3A	B79	396	Beam	9	V40x50	V40x50	4	No
PISO 3A	B28	402	Beam	3.4	V30x50	V30x50	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
PISO 3A	B34	401	Beam	5.6	V30x50	V30x50	4	No
PISO 3A	B162	2	Beam	5.4	V30x50	V30x50	4	No
PISO 3	B5	53	Beam	2.85	V30x50	V30x50	4	No
PISO 3	B6	66	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B7	67	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B8	68	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B9	69	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B14	74	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B15	75	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B16	76	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B17	77	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B20	80	Beam	6	V30x50	V30x50	4	No
PISO 3	B21	81	Beam	6	V40x50	V40x50	4	No
PISO 3	B22	82	Beam	0.7	V30x50	V30x50	4	No
PISO 3	B24	84	Beam	0.7	V40x50	V40x50	4	No
PISO 3	B26	87	Beam	0.7	V40x50	V40x50	4	No
PISO 3	B27	88	Beam	6	V40x50	V40x50	4	No
PISO 3	B29	90	Beam	0.7	V40x50	V40x50	4	No
PISO 3	B30	91	Beam	6	V40x50	V40x50	4	No
PISO 3	B32	93	Beam	0.7	V40x50	V40x50	4	No
PISO 3	B33	94	Beam	6	V40x50	V40x50	4	No
PISO 3	B23	60	Beam	0.7	V30x50	V30x50	4	No
PISO 3	B56	64	Beam	2.85	V15x50	V15x50	4	No
PISO 3	B57	115	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B58	116	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B59	117	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B60	118	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B70	128	Beam	5.4	V25x50	V25x50	4	No
PISO 3	B77	135	Beam	0.7	V50x50	V50x50	4	No
PISO 3	B78	136	Beam	6	V50x50	V50x50	4	No
PISO 3	B1	39	Beam	2.85	V30x50	V30x50	4	No
PISO 3	B12	55	Beam	2.05	V30x50	V30x50	4	No
PISO 3	B25	58	Beam	1.9	V30x50	V30x50	4	No
PISO 3	B63	72	Beam	1.9	V30x50	V30x50	4	No
PISO 3	B64	121	Beam	2.85	V30x50	V30x50	4	No
PISO 3	B65	310	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B66	315	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B73	316	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B91	317	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B99	127	Beam	1.9	V30x50	V30x50	4	No
PISO 3	B101	149	Beam	1.9	V30x50	V30x50	4	No
PISO 3	B103	189	Beam	1.9	V30x50	V30x50	4	No
PISO 3	B105	341	Beam	1.9	V30x50	V30x50	4	No
PISO 3	B106	337	Beam	5.8	V15x50	V15x50	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
PISO 3	B107	338	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B108	339	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B109	340	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B114	122	Beam	1.9	V15x50	V15x50	4	No
PISO 3	B115	123	Beam	2	V15x50	V15x50	4	No
PISO 3	B116	124	Beam	2	V20x50	V20x50	4	No
PISO 3	B117	200	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B118	201	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B119	292	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B120	343	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B121	344	Beam	2	V15x50	V15x50	4	No
PISO 3	B122	345	Beam	2	V30x50	V30x50	4	No
PISO 3	B123	346	Beam	2	V30x50	V30x50	4	No
PISO 3	B124	347	Beam	2	V30x50	V30x50	4	No
PISO 3	B128	351	Beam	2	V30x50	V30x50	4	No
PISO 3	B130	353	Beam	2	V20x50	V20x50	4	No
PISO 3	B132	355	Beam	2	V15x50	V15x50	4	No
PISO 3	B137	86	Beam	2.5	V40x50	V40x50	4	No
PISO 3	B138	89	Beam	2.5	V40x50	V40x50	4	No
PISO 3	B139	92	Beam	2.5	V40x50	V40x50	4	No
PISO 3	B140	95	Beam	2.5	V40x50	V40x50	4	No
PISO 3	B142	114	Beam	2.5	V30x50	V30x50	4	No
PISO 3	B144	130	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B145	131	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B146	132	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B147	138	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B149	350	Beam	0.55	V30x50	V30x50	4	No
PISO 3	B151	367	Beam	2.85044	V20x50	V20x50	4	No
PISO 3	B154	140	Beam	2.5	V50x50	V50x50	4	No
PISO 3	B155	139	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B156	70	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B157	78	Beam	5.8	V30x50	V30x50	4	No
PISO 3	B158	119	Beam	5.8	V15x50	V15x50	4	No
PISO 3	B143	62	Beam	1.35	V15x50	V15x50	4	No
PISO 3	B148	65	Beam	0.7	V15x50	V15x50	4	No
PISO 3	B159	83	Beam	1.35	V30x50	V30x50	4	No
PISO 3	B28	109	Beam	3.4	V30x50	V30x50	4	No
PISO 3	B31	42	Beam	3.4	V30x50	V30x50	4	No
PISO 3	B37	61	Beam	5.6	V30x50	V30x50	4	No
PISO 3	B69	99	Beam	2.87793	V30x50	V30x50	4	No
PISO 3	B161	73	Beam	5.6	V15x50	V15x50	4	No
PISO 3	B162	85	Beam	5.4	V30x50	V30x50	4	No
PISO 2	B2	218	Beam	2.45	V30x50	V30x50	4	No
PISO 2	B3	219	Beam	8.35	V30x50	V30x50	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
PISO 2	B4	220	Beam	5.4	V30x50	V30x50	4	No
PISO 2	B6	222	Beam	5.8	V30x50	V30x50	4	No
PISO 2	B14	230	Beam	5.8	V30x50	V30x50	4	No
PISO 2	B20	236	Beam	6	V30x50	V30x50	4	No
PISO 2	B21	237	Beam	6	V40x50	V40x50	4	No
PISO 2	B22	238	Beam	0.7	V30x50	V30x50	4	No
PISO 2	B24	239	Beam	0.7	V40x50	V40x50	4	No
PISO 2	B38	253	Beam	0.7	V30x50	V30x50	4	No
PISO 2	B39	254	Beam	7.4	V30x50	V30x50	4	No
PISO 2	B40	255	Beam	1.6	V30x50	V30x50	4	No
PISO 2	B41	256	Beam	0.7	V40x50	V40x50	4	No
PISO 2	B46	261	Beam	0.7	V40x50	V40x50	4	No
PISO 2	B49	264	Beam	3	V30x50	V30x50	4	No
PISO 2	B23	265	Beam	0.7	V30x50	V30x50	4	No
PISO 2	B53	269	Beam	2.45	V15x50	V15x50	4	No
PISO 2	B54	270	Beam	8.35	V15x50	V15x50	4	No
PISO 2	B55	271	Beam	5.4	V15x50	V15x50	4	No
PISO 2	B57	273	Beam	5.8	V15x50	V15x50	4	No
PISO 2	B67	283	Beam	2.45	V30x50	V30x50	4	No
PISO 2	B68	284	Beam	8.35	V30x50	V30x50	4	No
PISO 2	B70	285	Beam	5.4	V15x50	V15x50	4	No
PISO 2	B71	286	Beam	2.85	V15x50	V15x50	4	No
PISO 2	B81	240	Beam	3	V40x50	V40x50	4	No
PISO 2	B92	293	Beam	5.8	V15x50	V15x50	4	No
PISO 2	B1	202	Beam	2.85	V30x50	V30x50	4	No
PISO 2	B12	203	Beam	2.05	V30x50	V30x50	4	No
PISO 2	B25	217	Beam	1.9	V30x50	V30x50	4	No
PISO 2	B52	223	Beam	2.05	V30x50	V30x50	4	No
PISO 2	B63	224	Beam	1.9	V30x50	V30x50	4	No
PISO 2	B64	225	Beam	2.85	V30x50	V30x50	4	No
PISO 2	B65	309	Beam	5.8	V30x50	V30x50	4	No
PISO 2	B66	297	Beam	5.8	V30x50	V30x50	4	No
PISO 2	B73	303	Beam	5.8	V30x50	V30x50	4	No
PISO 2	B91	305	Beam	5.8	V30x50	V30x50	4	No
PISO 2	B99	49	Beam	1.9	V30x50	V30x50	4	No
PISO 2	B101	50	Beam	1.9	V30x50	V30x50	4	No
PISO 2	B103	51	Beam	1.9	V30x50	V30x50	4	No
PISO 2	B104	17	Beam	2.05	V20x50	V20x50	4	No
PISO 2	B105	18	Beam	1.9	V20x50	V20x50	4	No
PISO 2	B106	324	Beam	5.8	V15x50	V15x50	4	No
PISO 2	B107	329	Beam	5.8	V15x50	V15x50	4	No
PISO 2	B108	331	Beam	5.8	V15x50	V15x50	4	No
PISO 2	B109	336	Beam	5.8	V15x50	V15x50	4	No
PISO 2	B113	35	Beam	2.05	V15x50	V15x50	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
PISO 2	B114	36	Beam	1.9	V15x50	V15x50	4	No
PISO 2	B115	47	Beam	2	V15x50	V15x50	4	No
PISO 2	B116	48	Beam	2	V20x50	V20x50	4	No
PISO 2	B117	356	Beam	5.8	V20x50	V20x50	4	No
PISO 2	B118	357	Beam	5.8	V20x50	V20x50	4	No
PISO 2	B119	358	Beam	5.8	V20x50	V20x50	4	No
PISO 2	B120	359	Beam	5.8	V20x50	V20x50	4	No
PISO 2	B121	360	Beam	2	V20x50	V20x50	4	No
PISO 2	B122	361	Beam	2	V30x50	V30x50	4	No
PISO 2	B123	362	Beam	2	V30x50	V30x50	4	No
PISO 2	B124	363	Beam	2	V30x50	V30x50	4	No
PISO 2	B129	364	Beam	0.05	V20x50	V20x50	4	No
PISO 2	B36	484	Beam	5.65	V15x50	V15x50	4	No
PISO 2	B61	485	Beam	1.4	V15x50	V15x50	4	No
PISO 2	B62	486	Beam	1.45	V15x50	V15x50	4	No
PISO 2	B76	487	Beam	2.8	V30x50	V30x50	4	No
PISO 2	B85	489	Beam	1.45	V15x50	V15x50	4	No
PISO 2	B89	490	Beam	1.4	V30x50	V30x50	4	No
PISO 2	B125	491	Beam	1.45	V30x50	V30x50	4	No
PISO 2	B127	492	Beam	1.4	V15x50	V15x50	4	No
PISO 2	B131	493	Beam	1.45	V15x50	V15x50	4	No
PISO 2	B134	494	Beam	2.8	V15x50	V15x50	4	No
PISO 2	B135	495	Beam	0.7	V15x50	V15x50	4	No
PISO 2	B141	496	Beam	3.5	V15x50	V15x50	4	No
PISO 2	B79	257	Beam	9	V40x50	V40x50	4	No
PISO 2	B28	263	Beam	3.4	V40x50	V40x50	4	No
PISO 2	B31	267	Beam	3.4	V30x50	V30x50	4	No
PISO 2	B34	262	Beam	5.6	V40x50	V40x50	4	No
PISO 2	B37	266	Beam	5.6	V30x50	V30x50	4	No
PISO 2	B69	63	Beam	2.87793	V30x50	V30x50	4	No
PISO 2	B162	38	Beam	5.4	V30x50	V30x50	4	No
PISO 1	B2	298	Beam	2.45	V30x50	V30x50	4	No
PISO 1	B3	299	Beam	8.35	V30x50	V30x50	4	No
PISO 1	B4	300	Beam	5.4	V30x50	V30x50	4	No
PISO 1	B5	301	Beam	2.85	V30x50	V30x50	4	No
PISO 1	B14	497	Beam	5.8	V30x50	V30x50	4	No
PISO 1	B20	20	Beam	6	V30x50	V30x50	4	No
PISO 1	B22	10	Beam	0.7	V30x50	V30x50	4	No
PISO 1	B38	302	Beam	0.7	V15x50	V15x50	4	No
PISO 1	B41	304	Beam	0.7	V40x50	V40x50	4	No
PISO 1	B46	306	Beam	0.7	V40x50	V40x50	4	No
PISO 1	B49	22	Beam	3	V30x50	V30x50	4	No
PISO 1	B23	308	Beam	0.7	V30x50	V30x50	4	No
PISO 1	B53	311	Beam	2.45	V15x50	V15x50	4	No

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	Unique Name	Design Type	Length m	Analysis Section	Design Section	Min Number Stations	User Offsets
PISO 1	B54	312	Beam	8.35	V15x50	V15x50	4	No
PISO 1	B55	313	Beam	5.4	V15x50	V15x50	4	No
PISO 1	B56	314	Beam	2.85	V15x50	V15x50	4	No
PISO 1	B67	473	Beam	2.45	V30x50	V30x50	4	No
PISO 1	B68	474	Beam	8.35	V30x50	V30x50	4	No
PISO 1	B70	475	Beam	5.4	V30x50	V30x50	4	No
PISO 1	B71	476	Beam	2.85	V30x50	V30x50	4	No
PISO 1	B81	498	Beam	3	V30x50	V30x50	4	No
PISO 1	B92	477	Beam	5.8	V30x50	V30x50	4	No
PISO 1	B90	328	Beam	3.5	V15x50	V15x50	4	No
PISO 1	B93	330	Beam	3.5	V40x50	V40x50	4	No
PISO 1	B95	332	Beam	3.5	V40x50	V40x50	4	No
PISO 1	B97	334	Beam	3.5	V30x50	V30x50	4	No
PISO 1	B111	289	Beam	1.6	V30x50	V30x50	4	No
PISO 1	B10	478	Beam	5.5	V40x50	V40x50	4	No
PISO 1	B11	479	Beam	5.5	V15x50	V15x50	4	No
PISO 1	B28	482	Beam	3.4	V40x50	V40x50	4	No
PISO 1	B43	325	Beam	2.45	V30x50	V30x50	4	No
PISO 1	B44	326	Beam	2.95	V30x50	V30x50	4	No
PISO 1	B69	327	Beam	2.87793	V30x50	V30x50	4	No
PISO 1	B72	333	Beam	2.1	V40x50	V40x50	4	No
PISO 1	B112	335	Beam	2.1	V30x50	V30x50	4	No
PISO 1	B150	288	Beam	1.8	V30x50	V30x50	4	No
PISO 1	B153	480	Beam	2.45	V30x50	V30x50	4	No
PISO 1	B160	481	Beam	8.35	V30x50	V30x50	4	No

## 3.3 Shell Assignments

Table 3.3 - Shell Assignments - Summary

Story	Label	Unique Name	Section	Diaphragm	Pier
CUB	W14	36	PANT 25		P2
CUB	W15	68	PANT 25		P1E
CUB	W16	69	PANT 25		P1E
CUB	W4	7	PANT 25		P1F
CUB	W5	8	PANT 25		P1F
CUB	W6	43	PANT 25		P2
PISO 3A	W14	96	PANT 25		P2
PISO 3A	W15	97	PANT 25		P1E
PISO 3A	W16	101	PANT 25		P1E
PISO 3A	W4	33	PANT 25		P1F
PISO 3A	W5	39	PANT 25		P1F
PISO 3A	W6	95	PANT 25		P2
PISO 3	W14	35	PANT 25		P2
PISO 3	W15	66	PANT 25		P1E

Table 3.3 - Shell Assignments - Summary (continued)

Story	Label	Unique Name	Section	Diaphragm	Pier
PISO 3	W16	67	PANT 25		P1E
PISO 3	W4	1	PANT 25		P1F
PISO 3	W5	2	PANT 25		P1F
PISO 3	W6	32	PANT 25		P2
PISO 2	W14	27	PANT 25		P2
PISO 2	W15	64	PANT 25		P1E
PISO 2	W16	65	PANT 25		P1E
PISO 2	W17	70	CONTENCION		
PISO 2	W18	71	CONTENCION		
PISO 2	W19	72	CONTENCION		
PISO 2	W20	73	CONTENCION		
PISO 2	W21	74	CONTENCION		
PISO 2	W22	81	CONTENCION		
PISO 2	W23	82	CONTENCION		
PISO 2	W24	83	CONTENCION		
PISO 2	W25	84	CONTENCION		
PISO 2	W4	3	PANT 25		P1F
PISO 2	W5	4	PANT 25		P1F
PISO 2	W6	28	PANT 25		P2
PISO 1	W9	21	CONTENCION		
PISO 1	W10	20	CONTENCION		
PISO 1	W11	19	CONTENCION		
PISO 1	W14	26	PANT 25		P2
PISO 1	W15	62	PANT 25		P1E
PISO 1	W16	63	PANT 25		P1E
PISO 1	W20	130	CONTENCION		
PISO 1	W21	131	CONTENCION		
PISO 1	W3	24	CONTENCION		
PISO 1	W28	129	CONTENCION		
PISO 1	W29	132	CONTENCION		
PISO 1	W4	5	PANT 25		P1F
PISO 1	W5	6	PANT 25		P1F
PISO 1	W6	25	PANT 25		P2
CUB	F1	17	PLACA CON TORTA INF	D1	
CUB	F3	22	PLACA CON TORTA INF	D1	
CUB	F31	98	PLACA CON TORTA INF	D1	
CUB	F37	52	PLACA CON TORTA INF	D1	
CUB	F40	99	PLACA CON TORTA INF	D1	
CUB	F5	41	PLACA CON TORTA INF	D1	
CUB	F16	118	PLACA CON TORTA INF	D1	
CUB	F33	119	PLACA CON TORTA INF	D1	
CUB	F41	123	PLACA CON TORTA INF	D1	
CUB	F55	116	PLACA CON TORTA INF	D1	
CUB	F57	121	PLACA CON TORTA INF	D1	
PISO 3A	F45	125	PLACA ENTREPIISO	D1	

Table 3.3 - Shell Assignments - Summary (continued)

Story	Label	Unique Name	Section	Diaphragm	Pier
PISO 3	F6	78	LOSA 10 cm	D2	
PISO 3	F9	80	LOSA 10 cm	D2	
PISO 3	F10	87	LOSA 10 cm	D2	
PISO 3	F11	88	LOSA 10 cm	D2	
PISO 3	F15	89	LOSA 10 cm	D2	
PISO 3	F17	90	LOSA 10 cm	D2	
PISO 3	F20	91	LOSA 10 cm	D2	
PISO 3	F26	92	LOSA 10 cm	D2	
PISO 3	F29	93	LOSA 10 cm	D2	
PISO 3	F31	94	LOSA 10 cm	D2	
PISO 3	F42	9	PLACA CON TORTA INF	D1	
PISO 3	F22	29	PLACA CON TORTA INF	D1	
PISO 3	F28	30	PLACA CON TORTA INF	D1	
PISO 3	F36	34	PLACA CON TORTA INF	D1	
PISO 3	F39	37	PLACA CON TORTA INF	D1	
PISO 3	F43	48	PLACA CON TORTA INF	D1	
PISO 3	F46	50	PLACA CON TORTA INF	D1	
PISO 3	F56	100	PLACA CON TORTA INF	D1	
PISO 3	F58	13	PLACA CON TORTA INF	D1	
PISO 3	F59	14	PLACA CON TORTA INF	D1	
PISO 2	F19	46	PLACA CON TORTA INF	D1	
PISO 2	F30	77	PLACA CON TORTA INF	D1	
PISO 2	F32	79	PLACA CON TORTA INF	D1	
PISO 2	F1	16	PLACA CON TORTA INF	D1	
PISO 2	F6	15	LOSA 10 cm	D2	
PISO 2	F9	44	LOSA 10 cm	D2	
PISO 2	F10	47	LOSA 10 cm	D2	
PISO 2	F11	49	LOSA 10 cm	D2	
PISO 2	F15	51	LOSA 10 cm	D2	
PISO 2	F17	55	LOSA 10 cm	D2	
PISO 2	F20	57	LOSA 10 cm	D2	
PISO 2	F26	58	LOSA 10 cm	D2	
PISO 2	F29	61	LOSA 10 cm	D2	
PISO 2	F31	76	LOSA 10 cm	D2	
PISO 2	F50	128	PLACA CON TORTA INF	D1	
PISO 2	F7	11	PLACA CON TORTA INF	D1	
PISO 2	F23	12	PLACA CON TORTA INF	D1	
PISO 2	F35	42	PLACA CON TORTA INF	D1	
PISO 2	F54	45	PLACA CON TORTA INF	D1	
PISO 2	F60	38	PLACA CON TORTA INF	D1	
PISO 2	F61	40	PLACA CON TORTA INF	D1	
PISO 2	F63	75	PLACA CON TORTA INF	D1	
PISO 2	F64	85	PLACA CON TORTA INF	D1	
PISO 1	F21	59	PLACA CON TORTA INF	D2	
PISO 1	F8	10	PLACA CON TORTA INF	D2	

Table 3.3 - Shell Assignments - Summary (continued)

Story	Label	Unique Name	Section	Diaphragm	Pier
PISO 1	F12	53	PLACA CON TORTA INF	D2	
PISO 1	F48	54	PLACA CON TORTA INF	D2	
PISO 1	F27	56	PLACA CON TORTA INF		
PISO 1	F53	23	PLACA CON TORTA INF	D2	
PISO 1	F55	31	PLACA CON TORTA INF	D2	
PISO 1	F62	60	PLACA CON TORTA INF		

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Patterns

Name	Type	Self Weight Multiplier	Auto Load
D	Dead	1	
L	Live	0	
PP	Dead	1	
W	Wind	0	None
GRANIZO	Other	0	
Lr	Roof Live	0	

4.2 Applied Loads

4.2.1 Line Loads

Table 4.2 - Frame Loads - Distributed

Story	Label	Unique Name	Design Type	Load Pattern	LoadType	Direction	Relative Distance Start	Relative Distance End	Absolute Distance Start m	Absolute Distance End m	Force at Start tonf/m	Force at End tonf/m
PISO 3A	B46	400	Beam	D	Force	Gravity	0	1	0	0.7	1.47	1.47
PISO 3A	B34	401	Beam	D	Force	Gravity	0	1	0	5.6	1.47	1.47
PISO 3	B148	65	Beam	D	Force	Gravity	0	1	0	0.7	1.47	1.47
PISO 3	B161	73	Beam	D	Force	Gravity	0	1	0	5.6	1.47	1.47
PISO 3A	B46	400	Beam	L	Force	Gravity	0	1	0	0.7	1.045	1.045
PISO 3A	B34	401	Beam	L	Force	Gravity	0	1	0	5.6	1.045	1.045
PISO 3	B148	65	Beam	L	Force	Gravity	0	1	0	0.7	1.045	1.045
PISO 3	B161	73	Beam	L	Force	Gravity	0	1	0	5.6	1.045	1.045

4.2.2 Area Loads

Table 4.3 - Shell Loads - Uniform

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m²
CUB	F1	17	D	Gravity	0.37
CUB	F3	22	D	Gravity	0.37
CUB	F31	98	D	Gravity	0.37
CUB	F37	52	D	Gravity	0.37
CUB	F40	99	D	Gravity	0.37
CUB	F5	41	D	Gravity	0.37
CUB	F16	118	D	Gravity	0.37
CUB	F33	119	D	Gravity	0.37



Table 4.3 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m <sup>2</sup>
CUB	F41	123	D	Gravity	0.37
CUB	F55	116	D	Gravity	0.37
CUB	F57	121	D	Gravity	0.37
PISO 3A	F45	125	D	Gravity	0.3
PISO 3	F6	78	D	Gravity	0.16
PISO 3	F9	80	D	Gravity	0.16
PISO 3	F10	87	D	Gravity	0.16
PISO 3	F11	88	D	Gravity	0.16
PISO 3	F15	89	D	Gravity	0.16
PISO 3	F17	90	D	Gravity	0.16
PISO 3	F20	91	D	Gravity	0.16
PISO 3	F26	92	D	Gravity	0.16
PISO 3	F29	93	D	Gravity	0.16
PISO 3	F31	94	D	Gravity	0.16
PISO 3	F42	9	D	Gravity	0.23
PISO 3	F39	37	D	Gravity	0.375
PISO 3	F43	48	D	Gravity	0.375
PISO 3	F43	48	D	Gravity	0.04
PISO 3	F46	50	D	Gravity	0.375
PISO 3	F56	100	D	Gravity	0.235
PISO 2	F19	46	D	Gravity	0.295
PISO 2	F30	77	D	Gravity	0.375
PISO 2	F32	79	D	Gravity	0.375
PISO 2	F1	16	D	Gravity	0.3
PISO 2	F6	15	D	Gravity	0.16
PISO 2	F9	44	D	Gravity	0.16
PISO 2	F10	47	D	Gravity	0.16
PISO 2	F11	49	D	Gravity	0.16
PISO 2	F15	51	D	Gravity	0.16
PISO 2	F17	55	D	Gravity	0.16
PISO 2	F20	57	D	Gravity	0.16
PISO 2	F26	58	D	Gravity	0.16
PISO 2	F29	61	D	Gravity	0.16
PISO 2	F31	76	D	Gravity	0.16
PISO 2	F50	128	D	Gravity	0.15
PISO 2	F7	11	D	Gravity	0.295
PISO 2	F23	12	D	Gravity	0.295
PISO 2	F35	42	D	Gravity	0.235
PISO 2	F54	45	D	Gravity	0.295
PISO 2	F60	38	D	Gravity	0.295
PISO 2	F61	40	D	Gravity	0.235
PISO 2	F63	75	D	Gravity	0.295
PISO 2	F64	85	D	Gravity	0.295
PISO 1	F21	59	D	Gravity	0.295
PISO 1	F8	10	D	Gravity	0.3

Table 4.3 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m <sup>2</sup>
PISO 1	F12	53	D	Gravity	0.295
PISO 1	F48	54	D	Gravity	0.295
PISO 1	F27	56	D	Gravity	0.3
PISO 1	F53	23	D	Gravity	0.3
PISO 1	F55	31	D	Gravity	0.3
PISO 1	F62	60	D	Gravity	0.3
CUB	F1	17	L	Gravity	0
CUB	F3	22	L	Gravity	0
CUB	F31	98	L	Gravity	0
CUB	F37	52	L	Gravity	0
CUB	F5	41	L	Gravity	0
CUB	F16	118	L	Gravity	0
CUB	F33	119	L	Gravity	0
CUB	F41	123	L	Gravity	0
CUB	F55	116	L	Gravity	0
CUB	F57	121	L	Gravity	0
PISO 3A	F45	125	L	Gravity	0.5
PISO 3	F6	78	L	Gravity	0.5
PISO 3	F9	80	L	Gravity	0.5
PISO 3	F10	87	L	Gravity	0.5
PISO 3	F11	88	L	Gravity	0.5
PISO 3	F15	89	L	Gravity	0.5
PISO 3	F17	90	L	Gravity	0.5
PISO 3	F20	91	L	Gravity	0.5
PISO 3	F26	92	L	Gravity	0.5
PISO 3	F29	93	L	Gravity	0.5
PISO 3	F31	94	L	Gravity	0.5
PISO 3	F42	9	L	Gravity	0.5
PISO 3	F22	29	L	Gravity	0.5
PISO 3	F28	30	L	Gravity	0.5
PISO 3	F36	34	L	Gravity	0.5
PISO 3	F39	37	L	Gravity	0.2
PISO 3	F43	48	L	Gravity	0.2
PISO 3	F46	50	L	Gravity	0.2
PISO 3	F56	100	L	Gravity	0.5
PISO 3	F58	13	L	Gravity	0.5
PISO 3	F59	14	L	Gravity	0.5
PISO 2	F19	46	L	Gravity	0.2
PISO 2	F30	77	L	Gravity	0.2
PISO 2	F32	79	L	Gravity	0.2
PISO 2	F1	16	L	Gravity	0.5
PISO 2	F6	15	L	Gravity	0.5
PISO 2	F9	44	L	Gravity	0.5
PISO 2	F10	47	L	Gravity	0.5
PISO 2	F11	49	L	Gravity	0.5

Table 4.3 - Shell Loads - Uniform (continued)

Story	Label	Unique Name	Load Pattern	Direction	Load tonf/m <sup>2</sup>
PISO 2	F15	51	L	Gravity	0.5
PISO 2	F17	55	L	Gravity	0.5
PISO 2	F20	57	L	Gravity	0.5
PISO 2	F26	58	L	Gravity	0.5
PISO 2	F29	61	L	Gravity	0.5
PISO 2	F31	76	L	Gravity	0.5
PISO 2	F50	128	L	Gravity	0.5
PISO 2	F7	11	L	Gravity	0.2
PISO 2	F23	12	L	Gravity	0.5
PISO 2	F35	42	L	Gravity	0.5
PISO 2	F54	45	L	Gravity	0.2
PISO 2	F60	38	L	Gravity	0.5
PISO 2	F61	40	L	Gravity	0.5
PISO 2	F63	75	L	Gravity	0.2
PISO 2	F64	85	L	Gravity	0.2
PISO 1	F21	59	L	Gravity	0.5
PISO 1	F8	10	L	Gravity	0.5
PISO 1	F12	53	L	Gravity	0.5
PISO 1	F48	54	L	Gravity	0.5
PISO 1	F27	56	L	Gravity	0.5
PISO 1	F53	23	L	Gravity	0.5
PISO 1	F55	31	L	Gravity	0.5
PISO 1	F62	60	L	Gravity	0.5
CUB	F37	52	GRANIZO	Gravity	0.1
CUB	F5	41	GRANIZO	Gravity	0.1
CUB	F16	118	GRANIZO	Gravity	0.1
CUB	F33	119	GRANIZO	Gravity	0.1
CUB	F41	123	GRANIZO	Gravity	0.1
CUB	F55	116	GRANIZO	Gravity	0.1
CUB	F57	121	GRANIZO	Gravity	0.1
CUB	F1	17	Lr	Gravity	0.5
CUB	F3	22	Lr	Gravity	0.5
CUB	F31	98	Lr	Gravity	0.5
CUB	F37	52	Lr	Gravity	0.5
CUB	F5	41	Lr	Gravity	0.5
CUB	F16	118	Lr	Gravity	0.5
CUB	F33	119	Lr	Gravity	0.5
CUB	F41	123	Lr	Gravity	0.5
CUB	F55	116	Lr	Gravity	0.5
CUB	F57	121	Lr	Gravity	0.5

## 4.3 Functions

## 4.3.1 Response Spectrum Functions

Table 4.4 - Response Spectrum Function - User

Name	Period sec	Acceleration	Damping %
UMBRAL	0	0.12	5
UMBRAL	0.05	0.258	
UMBRAL	0.1	0.396	
UMBRAL	0.15	0.396	
UMBRAL	0.2	0.396	
UMBRAL	0.25	0.396	
UMBRAL	0.3	0.396	
UMBRAL	0.35	0.396	
UMBRAL	0.4	0.396	
UMBRAL	0.45	0.396	
UMBRAL	0.5	0.396	
UMBRAL	0.55	0.368	
UMBRAL	0.6	0.338	
UMBRAL	0.65	0.312	
UMBRAL	0.7	0.289	
UMBRAL	0.75	0.27	
UMBRAL	0.8	0.253	
UMBRAL	0.85	0.238	
UMBRAL	0.9	0.225	
UMBRAL	0.95	0.213	
UMBRAL	1	0.203	
UMBRAL	1.05	0.193	
UMBRAL	1.1	0.184	
UMBRAL	1.15	0.176	
UMBRAL	1.2	0.169	
UMBRAL	1.25	0.162	
UMBRAL	1.3	0.156	
UMBRAL	1.35	0.15	
UMBRAL	1.4	0.145	
UMBRAL	1.45	0.14	
UMBRAL	1.5	0.135	
UMBRAL	1.55	0.131	
UMBRAL	1.6	0.127	
UMBRAL	1.65	0.123	
UMBRAL	1.7	0.119	
UMBRAL	1.75	0.116	
UMBRAL	1.8	0.113	
UMBRAL	1.85	0.109	
UMBRAL	1.9	0.107	
UMBRAL	1.95	0.104	
UMBRAL	2	0.101	
UMBRAL	2.05	0.099	
UMBRAL	2.1	0.096	
UMBRAL	2.15	0.094	

Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
UMBRAL	2.2	0.092	
UMBRAL	2.25	0.09	
UMBRAL	2.3	0.088	
UMBRAL	2.35	0.086	
UMBRAL	2.4	0.084	
UMBRAL	2.45	0.083	
UMBRAL	2.5	0.081	
UMBRAL	2.55	0.079	
UMBRAL	2.6	0.078	
UMBRAL	2.65	0.076	
UMBRAL	2.7	0.075	
UMBRAL	2.75	0.074	
UMBRAL	2.8	0.072	
UMBRAL	2.85	0.071	
UMBRAL	2.9	0.07	
UMBRAL	2.95	0.069	
UMBRAL	3	0.068	
UMBRAL	3.05	0.065	
UMBRAL	3.1	0.063	
UMBRAL	3.15	0.061	
UMBRAL	3.2	0.059	
UMBRAL	3.25	0.058	
UMBRAL	3.3	0.056	
UMBRAL	3.35	0.054	
UMBRAL	3.4	0.053	
UMBRAL	3.45	0.051	
UMBRAL	3.5	0.05	
UMBRAL	3.55	0.048	
UMBRAL	3.6	0.047	
UMBRAL	3.65	0.046	
UMBRAL	3.7	0.044	
UMBRAL	3.75	0.043	
UMBRAL	3.8	0.042	
UMBRAL	3.85	0.041	
UMBRAL	3.9	0.04	
UMBRAL	3.95	0.039	
UMBRAL	4	0.038	
UMBRAL	4.05	0.037	
UMBRAL	4.1	0.036	
UMBRAL	4.15	0.035	
UMBRAL	4.2	0.034	
UMBRAL	4.25	0.034	
UMBRAL	4.3	0.033	
UMBRAL	4.35	0.032	
UMBRAL	4.4	0.031	

Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
UMBRAL	4.45	0.031	
UMBRAL	4.5	0.03	
UMBRAL	4.55	0.029	
UMBRAL	4.6	0.029	
UMBRAL	4.65	0.028	
UMBRAL	4.7	0.028	
UMBRAL	4.75	0.027	
UMBRAL	4.8	0.026	
UMBRAL	4.85	0.026	
UMBRAL	4.9	0.025	
UMBRAL	4.95	0.025	
UMBRAL	5	0.024	
UMBRAL	5.05	0.024	
UMBRAL	5.1	0.023	
UMBRAL	5.15	0.023	
UMBRAL	5.2	0.022	
UMBRAL	5.25	0.022	
UMBRAL	5.3	0.022	
UMBRAL	5.35	0.021	
UMBRAL	5.4	0.021	
UMBRAL	5.45	0.02	
UMBRAL	5.5	0.02	
UMBRAL	5.55	0.02	
UMBRAL	5.6	0.019	
UMBRAL	5.65	0.019	
UMBRAL	5.7	0.019	
UMBRAL	5.75	0.018	
UMBRAL	5.8	0.018	
UMBRAL	5.85	0.018	
UMBRAL	5.9	0.017	
UMBRAL	5.95	0.017	
UMBRAL	6	0.017	
UMBRAL	6.05	0.017	
UMBRAL	6.1	0.016	
UMBRAL	6.15	0.016	
UMBRAL	6.2	0.016	
UMBRAL	6.25	0.016	
UMBRAL	6.3	0.015	
UMBRAL	6.35	0.015	
UMBRAL	6.4	0.015	
UMBRAL	6.45	0.015	
UMBRAL	6.5	0.014	
UMBRAL	6.55	0.014	
UMBRAL	6.6	0.014	
UMBRAL	6.65	0.014	

Table 4.4 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
UMBRAL	6.7	0.014	
UMBRAL	6.75	0.013	
UMBRAL	6.8	0.013	
UMBRAL	6.85	0.013	
UMBRAL	6.9	0.013	
UMBRAL	6.95	0.013	
UMBRAL	7	0.012	
UMBRAL	7.05	0.012	
UMBRAL	7.1	0.012	
UMBRAL	7.15	0.012	
UMBRAL	7.2	0.012	
UMBRAL	7.25	0.012	
UMBRAL	7.3	0.011	
UMBRAL	7.35	0.011	
UMBRAL	7.4	0.011	
UMBRAL	7.45	0.011	
UMBRAL	7.5	0.011	
UMBRAL	7.55	0.011	
UMBRAL	7.6	0.011	

## 4.4 Load Cases

Table 4.5 - Load Cases - Summary

Name	Type
DL	Linear Static
Live	Linear Static
EQX	Response Spectrum
EQY	Response Spectrum
PP	Linear Static
W	Linear Static
GRANIZO	Linear Static
Lr	Linear Static

## 4.5 Load Combinations

Table 4.6 - Load Combinations

Name	Load Case/Combo	Scale Factor	Type	Auto
EX	EQX	0.247	Linear Add	No
EY	EQY	0.33	Linear Add	No
1.2D+L	DL	1.2	Linear Add	No
1.2D+L	Live	1		No
DERX1	EQX	0.8	Linear Add	No
DERX1	DL	1		No
DERX2	EQX	-0.8	Linear Add	No
DERX2	D	1		No

Table 4.6 - Load Combinations (continued)

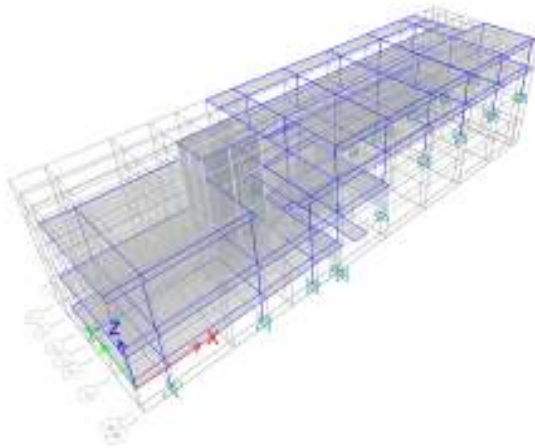
Name	Load Case/Combo	Scale Factor	Type	Auto
DERX3	D	0.6	Linear Add	No
DERX3	EQX	0.8		No
DERX4	D	0.6	Linear Add	No
DERX4	EQX	-0.8		No
DERY1	EQY	0.8	Linear Add	No
DERY1	D	1		No
DERY2	EQY	-0.8	Linear Add	No
DERY2	D	1		No
DERY3	D	0.6	Linear Add	No
DERY3	EQY	0.8		No
DERY4	D	0.6	Linear Add	No
DERY4	EQY	-0.8		No
1.4D	DL	1.4	Linear Add	No
1.2D+1.6L+0.5G	DL	1.2	Linear Add	No
1.2D+1.6L+0.5G	Live	1.6		No
1.2D+1.6L+0.5G	GRANIZO	0.5		No
1.2D+L+EX+.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX+.3EY	EX	1		No
1.2D+L+EX+.3EY	EY	0.3		No
1.2D+L+EX-.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX-.3EY	EX	1		No
1.2D+L+EX-.3EY	EY	-0.3		No
1.2D+L+EX-.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX-.3EY	EX	-1		No
1.2D+L+EX-.3EY	EY	-0.3		No
1.2D+L+EX+.3EY	1.2D+L	1	Linear Add	No
1.2D+L+EX+.3EY	EX	-1		No
1.2D+L+EX+.3EY	EY	0.3		No
1.2D+L+EY+0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY+0.3EX	EY	1		No
1.2D+L+EY+0.3EX	EX	0.3		No
1.2D+L+EY-0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY-0.3EX	EY	1		No
1.2D+L+EY-0.3EX	EX	-0.3		No
1.2D+L+EY-0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY-0.3EX	EY	-1		No
1.2D+L+EY-0.3EX	EX	-0.3		No
1.2D+L+EY+0.3EX	1.2D+L	1	Linear Add	No
1.2D+L+EY+0.3EX	EY	-1		No
1.2D+L+EY+0.3EX	EX	0.3		No
0.9D+EX+.3EY	DL	0.9	Linear Add	No
0.9D+EX+.3EY	EX	1		No
0.9D+EX+.3EY	EY	0.3		No
0.9D+EX-.3EY	DL	0.9	Linear Add	No
0.9D+EX-.3EY	EX	1		No

Table 4.6 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
0.9D+EX-.3EY	EY	-0.3		No
0.9D-EX-0.3EY	DL	0.9	Linear Add	No
0.9D-EX-0.3EY	EX	-1		No
0.9D-EX-0.3EY	EY	-0.3		No
0.9D-EX+.3EY	DL	0.9	Linear Add	No
0.9D-EX+.3EY	EX	-1		No
0.9D-EX+.3EY	EY	0.3		No
0.9D+EY+.3EX	DL	0.9	Linear Add	No
0.9D+EY+.3EX	EY	1		No
0.9D+EY+.3EX	EX	0.3		No
0.9D+EY-.3EX	DL	0.9	Linear Add	No
0.9D+EY-.3EX	EY	1		No
0.9D+EY-.3EX	EX	-0.3		No
0.9D-EY-0.3EX	DL	0.9	Linear Add	No
0.9D-EY-0.3EX	EY	-1		No
0.9D-EY-0.3EX	EX	-0.3		No
0.9D-EY+.3EX	DL	0.9	Linear Add	No
0.9D-EY+.3EX	EY	-1		No
0.9D-EY+.3EX	EX	0.3		No
D+L	DL	0.9103	Linear Add	No
D+L	Live	1		No
D+.7EX	EX	0.7	Linear Add	No
D+.7EX	DL	0.9103		No
D-.7EX	EX	-0.7	Linear Add	No
D-.7EX	DL	0.9103		No
D+0.75(L+0.7EX)	DL	0.9103	Linear Add	No
D+0.75(L+0.7EX)	Live	0.75		No
D+0.75(L+0.7EX)	EX	0.525		No
D+0.75(L-0.7EX)	DL	0.9103	Linear Add	No
D+0.75(L-0.7EX)	Live	0.75		No
D+0.75(L-0.7EX)	EX	-0.525		No
D+.7EY	EY	0.7	Linear Add	No
D+.7EY	DL	0.9103		No
D-.7EY	EY	-0.7	Linear Add	No
D-.7EY	DL	0.9103		No
D+0.75(L+0.7EY)	DL	0.9103	Linear Add	No
D+0.75(L+0.7EY)	Live	0.75		No
D+0.75(L+0.7EY)	EY	0.525		No
D+0.75(L-0.7EY)	DL	0.9103	Linear Add	No
D+0.75(L-0.7EY)	Live	0.75		No
D+0.75(L-0.7EY)	EY	-0.525		No
ENVE CIM	D+L	1	Envelope	No
ENVE CIM	D+.7EX	1		No
ENVE CIM	D-.7EX	1		No
ENVE CIM	D+.7EY	1		No

Table 4.6 - Load Combinations (continued)

Name	Load Case/Combo	Scale Factor	Type	Auto
ENVE CIM	D-.7EY	1		No
ENVE CIM	D+0.75(L+0.7EX)	1		No
ENVE CIM	D+0.75(L-0.7EX)	1		No
ENVE CIM	D+0.75(L+0.7EY)	1		No
ENVE CIM	D+0.75(L-0.7EY)	1		No
ENVE CIM	D	1		No
1.2D+L+0.5G	DL	1.2	Linear Add	No
1.2D+L+0.5G	Live	1		No
1.2D+L+0.5G	GRANIZO	0.5		No
1.2D+L+1.6G	DL	1.2	Linear Add	No
1.2D+L+1.6G	Live	1		No
1.2D+L+1.6G	GRANIZO	1.6		No
D	DL	1	Linear Add	No
ENVE DISEÑO	1.4D	1	Envelope	No
ENVE DISEÑO	1.2D+1.6L+0.5G	1		No
ENVE DISEÑO	1.2D+L+0.5G	1		No
ENVE DISEÑO	1.2D+L+1.6G	1		No
ENVE DISEÑO	1.2D+L+EX+.3EY	1		No
ENVE DISEÑO	1.2D+L+EX-.3EY	1		No
ENVE DISEÑO	1.2D+L-EX-.3EY	1		No
ENVE DISEÑO	1.2D+L-EX+.3EY	1		No
ENVE DISEÑO	1.2D+L+EY+0.3EX	1		No
ENVE DISEÑO	1.2D+L+EY-0.3EX	1		No
ENVE DISEÑO	1.2D+L-EY-0.3EX	1		No
ENVE DISEÑO	1.2D+L-EY+0.3EX	1		No
ENVE DISEÑO	0.9D+EX+.3EY	1		No
ENVE DISEÑO	0.9D+EX-.3EY	1		No
ENVE DISEÑO	0.9D-EX-0.3EY	1		No
ENVE DISEÑO	0.9D-EX+.3EY	1		No
ENVE DISEÑO	0.9D+EY+.3EX	1		No
ENVE DISEÑO	0.9D+EY-.3EX	1		No
ENVE DISEÑO	0.9D-EY-0.3EX	1		No
ENVE DISEÑO	0.9D-EY+.3EX	1		No
ENVE DISEÑO	1.2D+L+W+0.5G	1		No
ENVE DISEÑO	0.9D+W	1		No
1.2D+L+W+0.5G	DL	1.2	Linear Add	No
1.2D+L+W+0.5G	Live	1		No
1.2D+L+W+0.5G	W	1		No
1.2D+L+W+0.5G	GRANIZO	0.5		No
0.9D+W	DL	0.9	Linear Add	No
0.9D+W	W	1		No
DSID1	DL	1	Linear Add	Yes
DSID2	DL	1	Linear Add	Yes
DSID2	Live	1		No



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## PARAMETROS SISMICOS UMBRAL

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## 1 Structure Data

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

### 1.1 Mass

Table 1.1 - Mass Source

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

Table 1.2 - Mass Summary by Story

Story	UX tonf-s <sup>2</sup> /m	UY tonf-s <sup>2</sup> /m	UZ tonf-s <sup>2</sup> /m
CUB	38.259	38.259	0
PISO 3A	12.29167	12.29167	0
PISO 3	39.70523	39.70523	0
PISO 2	37.4494	37.4494	0
PISO 1	26.85205	26.85205	0
Base	3.82097	3.82097	0

## 2 Loads

This chapter provides loading information as applied to the model.

### 2.1 Load Patterns

Table 2.1 - Load Patterns

Name	Type	Self Weight Multiplier
D	Dead	1

### 2.2 Functions

#### 2.2.1 Response Spectrum Functions

Table 2.2 - Response Spectrum Function - User

Name	Period sec	Acceleration	Damping %
UMBRAL	0	0.12	5
UMBRAL	0.05	0.258	
UMBRAL	0.1	0.396	
UMBRAL	0.15	0.396	
UMBRAL	0.2	0.396	
UMBRAL	0.25	0.396	
UMBRAL	0.3	0.396	
UMBRAL	0.35	0.396	
UMBRAL	0.4	0.396	
UMBRAL	0.45	0.396	
UMBRAL	0.5	0.396	
UMBRAL	0.55	0.368	
UMBRAL	0.6	0.338	
UMBRAL	0.65	0.312	
UMBRAL	0.7	0.289	
UMBRAL	0.75	0.27	
UMBRAL	0.8	0.253	
UMBRAL	0.85	0.238	
UMBRAL	0.9	0.225	
UMBRAL	0.95	0.213	
UMBRAL	1	0.203	
UMBRAL	1.05	0.193	
UMBRAL	1.1	0.184	
UMBRAL	1.15	0.176	
UMBRAL	1.2	0.169	
UMBRAL	1.25	0.162	
UMBRAL	1.3	0.156	
UMBRAL	1.35	0.15	
UMBRAL	1.4	0.145	
UMBRAL	1.45	0.14	
UMBRAL	1.5	0.135	
UMBRAL	1.55	0.131	

Table 2.2 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
UMBRAL	1.6	0.127	
UMBRAL	1.65	0.123	
UMBRAL	1.7	0.119	
UMBRAL	1.75	0.116	
UMBRAL	1.8	0.113	
UMBRAL	1.85	0.109	
UMBRAL	1.9	0.107	
UMBRAL	1.95	0.104	
UMBRAL	2	0.101	
UMBRAL	2.05	0.099	
UMBRAL	2.1	0.096	
UMBRAL	2.15	0.094	
UMBRAL	2.2	0.092	
UMBRAL	2.25	0.09	
UMBRAL	2.3	0.088	
UMBRAL	2.35	0.086	
UMBRAL	2.4	0.084	
UMBRAL	2.45	0.083	
UMBRAL	2.5	0.081	
UMBRAL	2.55	0.079	
UMBRAL	2.6	0.078	
UMBRAL	2.65	0.076	
UMBRAL	2.7	0.075	
UMBRAL	2.75	0.074	
UMBRAL	2.8	0.072	
UMBRAL	2.85	0.071	
UMBRAL	2.9	0.07	
UMBRAL	2.95	0.069	
UMBRAL	3	0.068	
UMBRAL	3.05	0.065	
UMBRAL	3.1	0.063	
UMBRAL	3.15	0.061	
UMBRAL	3.2	0.059	
UMBRAL	3.25	0.058	
UMBRAL	3.3	0.056	
UMBRAL	3.35	0.054	
UMBRAL	3.4	0.053	
UMBRAL	3.45	0.051	
UMBRAL	3.5	0.05	
UMBRAL	3.55	0.048	
UMBRAL	3.6	0.047	
UMBRAL	3.65	0.046	
UMBRAL	3.7	0.044	
UMBRAL	3.75	0.043	
UMBRAL	3.8	0.042	



Table 2.2 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
UMBRAL	3.85	0.041	
UMBRAL	3.9	0.04	
UMBRAL	3.95	0.039	
UMBRAL	4	0.038	
UMBRAL	4.05	0.037	
UMBRAL	4.1	0.036	
UMBRAL	4.15	0.035	
UMBRAL	4.2	0.034	
UMBRAL	4.25	0.034	
UMBRAL	4.3	0.033	
UMBRAL	4.35	0.032	
UMBRAL	4.4	0.031	
UMBRAL	4.45	0.031	
UMBRAL	4.5	0.03	
UMBRAL	4.55	0.029	
UMBRAL	4.6	0.029	
UMBRAL	4.65	0.028	
UMBRAL	4.7	0.028	
UMBRAL	4.75	0.027	
UMBRAL	4.8	0.026	
UMBRAL	4.85	0.026	
UMBRAL	4.9	0.025	
UMBRAL	4.95	0.025	
UMBRAL	5	0.024	
UMBRAL	5.05	0.024	
UMBRAL	5.1	0.023	
UMBRAL	5.15	0.023	
UMBRAL	5.2	0.022	
UMBRAL	5.25	0.022	
UMBRAL	5.3	0.022	
UMBRAL	5.35	0.021	
UMBRAL	5.4	0.021	
UMBRAL	5.45	0.02	
UMBRAL	5.5	0.02	
UMBRAL	5.55	0.02	
UMBRAL	5.6	0.019	
UMBRAL	5.65	0.019	
UMBRAL	5.7	0.019	
UMBRAL	5.75	0.018	
UMBRAL	5.8	0.018	
UMBRAL	5.85	0.018	
UMBRAL	5.9	0.017	
UMBRAL	5.95	0.017	
UMBRAL	6	0.017	
UMBRAL	6.05	0.017	

Table 2.2 - Response Spectrum Function - User (continued)

Name	Period sec	Acceleration	Damping %
UMBRAL	6.1	0.016	
UMBRAL	6.15	0.016	
UMBRAL	6.2	0.016	
UMBRAL	6.25	0.016	
UMBRAL	6.3	0.015	
UMBRAL	6.35	0.015	
UMBRAL	6.4	0.015	
UMBRAL	6.45	0.015	
UMBRAL	6.5	0.014	
UMBRAL	6.55	0.014	
UMBRAL	6.6	0.014	
UMBRAL	6.65	0.014	
UMBRAL	6.7	0.014	
UMBRAL	6.75	0.013	
UMBRAL	6.8	0.013	
UMBRAL	6.85	0.013	
UMBRAL	6.9	0.013	
UMBRAL	6.95	0.013	
UMBRAL	7	0.012	
UMBRAL	7.05	0.012	
UMBRAL	7.1	0.012	
UMBRAL	7.15	0.012	
UMBRAL	7.2	0.012	
UMBRAL	7.25	0.012	
UMBRAL	7.3	0.011	
UMBRAL	7.35	0.011	
UMBRAL	7.4	0.011	
UMBRAL	7.45	0.011	
UMBRAL	7.5	0.011	
UMBRAL	7.55	0.011	
UMBRAL	7.6	0.011	

## 2.3 Load Cases

Table 2.3 - Load Cases - Static - Linear

Name	Stiffness From	Mass Source	Load Type	Load Name	Scale Factor	Design Load Type
DL	Preset P-delta	MsSrc1	Load Pattern	D	1	Program Determined
Live	Preset P-delta	MsSrc1	Load Pattern	L	0.5	Program Determined
PP	Preset P-delta	MsSrc1	Load Pattern	PP	1	Other
W	Preset P-delta	MsSrc1	Load Pattern	W	1	Other
GRANIZO	Preset P-delta	MsSrc1	Load Pattern	GRANIZO	1	Other
Lr	Preset P-delta	MsSrc1	Load Pattern	Lr	1	Program Determined

Table 2.4 - Load Cases - Modal - Eigen

Name	Stiffness From	Mass Source	Max Number Modes	Min Number Modes	Frequency Shift cyc/sec	Cutoff Frequency cyc/sec	Convergence Tolerance	Auto Shift?	Design Load Type
Modal	Preset P-delta	MsSrc1	45	1	0	0	0	Yes	Program Determined

Table 2.5 - Load Cases - Response Spectrum (Part 1 of 2)

Name	Mass Source	Load Type	Load Name	Function	Scale Factor	Coordinate System	Angle deg	Modal Case	Modal Combination Method
EQX	Previous (MsSrc1)	Acceleration	U1	UMBRAL	12.4587	Global	0	Modal	CQC
EQY	Previous (MsSrc1)	Acceleration	U2	UMBRAL	14.0283	Global	0	Modal	CQC

Table 2.5 - Load Cases - Response Spectrum (Part 2 of 2)

Name	Include Rigid Response	Directional Combination Method	Design Load Type	Eccentricity Ratio	Eccentricity Overrides	Constant Damping
EQX	No	SRSS	Other	0	No	0.05
EQY	No	SRSS	Other	0	No	0.05

Table 2.6 - P-delta Options

Automation Method
None

3 Analysis Results

This chapter provides analysis results.

3.1 Structure Results

Table 3.1 - Base Reactions

Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
Modal 1	-165.2579	-2623.0787	0	29224.3694	-1880.1598	-90709.409	0	0	-2.8
Modal 2	1197.3449	-1693.1225	0	16940.5024	12359.0738	-21078.2521	0	0	-2.8
Modal 3	3997.8601	-3423.2481	0	30671.1522	41357.8473	-44801.2823	0	0	-2.8
Modal 4	8945.893	2439.1134	0	-24506.9885	95678.3134	-64121.4464	0	0	-2.8
Modal 5	-2992.8749	-2329.769	0	10916.3572	-32670.9116	-36219.2646	0	0	-2.8
Modal 6	19.8548	-3515.1243	0	21826.4189	549.5471	-125460.837	0	0	-2.8
Modal 7	-117.8948	-3615.6605	0	25457.4778	-357.9963	-178887.369	0	0	-2.8
Modal 8	-3780.4584	7785.5825	0	-26812.5825	-12449.9434	31981.3295	0	0	-2.8
Modal 9	800.3985	-2914.458	0	13620.2107	3124.1983	-52733.9721	0	0	-2.8
Modal 10	3282.5911	-9517.7512	0	32500.5997	16138.6352	-180008.3128	0	0	-2.8
Modal 11	4945.4182	10636.5095	0	-63462.7817	21623.3733	347599.3778	0	0	-2.8
Modal 12	-2024.1847	-744.732	0	23757.578	-11917.4548	-106251.2402	0	0	-2.8
Modal 13	-6048.6085	-3306.2017	0	37503.0531	-17664.8275	-51694.1545	0	0	-2.8
Modal 14	3747.9074	4699.3774	0	-97017.3981	8614.5981	254323.6521	0	0	-2.8
Modal 15	26671.2393	5840.8619	0	-21103.2031	110724.7723	-187105.3224	0	0	-2.8
Modal 16	7236.4644	-14881.262	0	39465.7588	35280.1295	-308889.7929	0	0	-2.8
Modal 17	870.8541	9724.9305	0	-23000.5271	29447.6176	3503.5826	0	0	-2.8
Modal 18	-12984.3565	13433.6001	0	-71747.1143	-57087.1795	269361.8459	0	0	-2.8
Modal 19	-7989.3586	256.509	0	160.0219	-23645.7118	31942.9683	0	0	-2.8
Modal 20	-8148.0066	265.2547	0	-748.6689	-751.5186	36736.2039	0	0	-2.8
Modal 21	-4562.07	-13024.256	0	62528.4071	-13279.5111	-220235.9798	0	0	-2.8
Modal 22	6037.6016	46932.7466	0	-188518.7744	31437.6425	948082.4414	0	0	-2.8
Modal 23	-67660.2868	-23574.4141	0	84877.0454	-257508.6486	58667.3632	0	0	-2.8
Modal 24	19003.8953	6954.8135	0	-17570.1802	72294.6786	-109199.9103	0	0	-2.8
Modal 25	-30207.5754	7691.0217	0	-30724.3158	-90899.5052	421587.6457	0	0	-2.8
Modal 26	8892.1781	38511.9828	0	-167311.7581	12083.5815	764483.3112	0	0	-2.8
Modal 27	15903.371	-2700.9539	0	8374.753	102293.3251	-238124.3921	0	0	-2.8
Modal 28	38615.0862	4562.3789	0	-56877.4132	67406.4761	-132324.4093	0	0	-2.8
Modal 29	-17452.5215	-2393.1112	0	-10882.7829	-3153.0904	156293.6621	0	0	-2.8
Modal 30	2452.0183	-23332.1807	0	32882.3341	-2998.8142	-372372.482	0	0	-2.8
Modal 31	-68994.5592	-42531.5455	0	10598.4947	-81027.8524	8097.7983	0	0	-2.8
Modal 32	-24562.6253	-14035.4673	0	8144.8869	-34287.8162	-24445.0903	0	0	-2.8
Modal 33	-5135.7588	-5105.2584	0	-35124.2417	-31740.983	64582.2646	0	0	-2.8
Modal 34	-55875.369	36104.1441	0	-2082.1129	-99217.4012	745163.5138	0	0	-2.8
Modal 35	-22297.1414	33764.1054	0	-59175.4638	-52346.2323	711888.6174	0	0	-2.8
Modal 36	-3347.1685	39858.5377	0	-94775.7822	-61158.0459	714371.5964	0	0	-2.8
Modal 37	25781.5462	-63713.8043	0	185489.4121	90041.0561	-1402078	0	0	-2.8
Modal 38	4104.9864	-35476.2098	0	120113.2174	79605.5638	-809190.587	0	0	-2.8
Modal 39	-37321.7871	97738.894	0	-384001.6892	-144819.0027	2539316.5251	0	0	-2.8
Modal 40	-1391.106	35426.7836	0	-100624.6787	24063.3172	663179.2595	0	0	-2.8
Modal 41	15780.6624	-39899.0229	0	158223.3532	57142.3162	-1048280	0	0	-2.8

Table 3.1 - Base Reactions (continued)

Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
Modal 42	-38913.5177	-27444.207	0	-45435.5785	-269644.0174	198198.6687	0	0	-2.8
Modal 43	-1803.1383	-11413.936	0	29056.4853	-36499.2288	-204060.0231	0	0	-2.8
Modal 44	24348.5226	-9488.2728	0	-28023.6863	137961.8177	-327644.6998	0	0	-2.8
Modal 45	22793.7585	12071.5073	0	-65451.885	99211.8817	156416.5187	0	0	-2.8
DL	0	0	1553.1608	9535.1327	-35554.8558	0	0	0	-2.8
EQX Max	432.5183	122.8068	0	1104.9153	4547.5582	3106.0932	0	0	-2.8
EQY Max	138.2785	432.848	0	4582.8207	1423.9983	13089.224	0	0	-2.8

## 3.2 Modal Results

Table 3.2 - Modal Periods and Frequencies

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad <sup>2</sup> /sec <sup>2</sup>
Modal	1	0.348	2.872	18.0477	325.7202
Modal	2	0.304	3.285	20.6392	425.9753
Modal	3	0.213	4.693	29.4845	869.3375
Modal	4	0.192	5.218	32.7885	1075.0886
Modal	5	0.18	5.553	34.8887	1217.2227
Modal	6	0.119	8.402	52.7914	2786.9289
Modal	7	0.115	8.705	54.6971	2991.7735
Modal	8	0.11	9.099	57.171	3268.523
Modal	9	0.107	9.356	58.787	3455.911
Modal	10	0.102	9.82	61.698	3806.6471
Modal	11	0.082	12.183	76.5498	5859.8697
Modal	12	0.077	12.942	81.319	6612.7773
Modal	13	0.074	13.428	84.3676	7117.8894
Modal	14	0.069	14.424	90.6309	8213.9561
Modal	15	0.067	14.971	94.0686	8848.9092
Modal	16	0.061	16.271	102.232	10451.3745
Modal	17	0.059	17.066	107.226	11497.4256
Modal	18	0.057	17.404	109.3544	11958.3741
Modal	19	0.053	18.72	117.6188	13834.1719
Modal	20	0.051	19.799	124.4013	15475.682
Modal	21	0.048	20.725	130.2165	16956.3259
Modal	22	0.047	21.198	133.1927	17740.2971
Modal	23	0.045	22.151	139.1813	19371.433
Modal	24	0.043	23.346	146.6888	21517.6152
Modal	25	0.042	23.908	150.2191	22565.7695
Modal	26	0.041	24.593	154.5234	23877.4683
Modal	27	0.04	24.996	157.053	24665.6304
Modal	28	0.039	25.547	160.5154	25765.1815
Modal	29	0.037	26.757	168.1209	28264.6362
Modal	30	0.034	29.013	182.2928	33230.6771
Modal	31	0.031	32.613	204.9155	41990.3449
Modal	32	0.03	32.847	206.384	42594.3511

Table 3.2 - Modal Periods and Frequencies (continued)

Case	Mode	Period sec	Frequency cyc/sec	Circular Frequency rad/sec	Eigenvalue rad <sup>2</sup> /sec <sup>2</sup>
Modal	33	0.03	33.148	208.2775	43379.5268
Modal	34	0.029	34.261	215.2704	46341.3261
Modal	35	0.029	34.705	218.0552	47548.0615
Modal	36	0.028	36.16	227.202	51620.7432
Modal	37	0.028	36.316	228.1787	52065.5401
Modal	38	0.027	37.001	232.4867	54050.0783
Modal	39	0.026	38.191	239.9606	57581.0745
Modal	40	0.025	39.277	246.7835	60902.079
Modal	41	0.025	39.352	247.2536	61134.3438
Modal	42	0.025	40.083	251.8484	63427.6193
Modal	43	0.024	41.28	259.3713	67273.4811
Modal	44	0.024	41.771	262.4568	68883.592
Modal	45	0.023	42.931	269.744	72761.8443

Table 3.3 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	1	0.348	0.0017	0.4271	0	0.0017	0.4271	0
Modal	2	0.304	0.052	0.104	0	0.0537	0.5312	0
Modal	3	0.213	0.1393	0.1021	0	0.193	0.6333	0
Modal	4	0.192	0.456	0.0339	0	0.649	0.6672	0
Modal	5	0.18	0.0398	0.0241	0	0.6889	0.6913	0
Modal	6	0.119	0	0.0105	0	0.6889	0.7018	0
Modal	7	0.115	1.023E-05	0.0096	0	0.6889	0.7114	0
Modal	8	0.11	0.0088	0.0374	0	0.6977	0.7488	0
Modal	9	0.107	0.0004	0.0047	0	0.698	0.7535	0
Modal	10	0.102	0.0049	0.0412	0	0.7029	0.7947	0
Modal	11	0.082	0.0047	0.0217	0	0.7076	0.8164	0
Modal	12	0.077	0.0006	0.0001	0	0.7082	0.8164	0
Modal	13	0.074	0.0048	0.0014	0	0.713	0.8179	0
Modal	14	0.069	0.0014	0.0022	0	0.7144	0.82	0
Modal	15	0.067	0.0598	0.0029	0	0.7742	0.8229	0
Modal	16	0.061	0.0032	0.0134	0	0.7774	0.8362	0
Modal	17	0.059	3.778E-05	0.0047	0	0.7774	0.841	0
Modal	18	0.057	0.0078	0.0083	0	0.7852	0.8493	0
Modal	19	0.053	0.0022	2.264E-06	0	0.7874	0.8493	0
Modal	20	0.051	0.0018	1.935E-06	0	0.7892	0.8493	0
Modal	21	0.048	0.0005	0.0039	0	0.7897	0.8532	0
Modal	22	0.047	0.0008	0.0461	0	0.7904	0.8993	0
Modal	23	0.045	0.0803	0.0098	0	0.8708	0.909	0
Modal	24	0.043	0.0051	0.0007	0	0.8759	0.9097	0
Modal	25	0.042	0.0118	0.0008	0	0.8877	0.9105	0
Modal	26	0.041	0.0009	0.0171	0	0.8886	0.9276	0
Modal	27	0.04	0.0027	0.0001	0	0.8914	0.9277	0

Table 3.3 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	Sum UX	Sum UY	Sum UZ
Modal	28	0.039	0.0148	0.0002	0	0.9062	0.9279	0
Modal	29	0.037	0.0025	4.721E-05	0	0.9087	0.9279	0
Modal	30	0.034	3.586E-05	0.0032	0	0.9087	0.9312	0
Modal	31	0.031	0.0178	0.0068	0	0.9265	0.9379	0
Modal	32	0.03	0.0022	0.0007	0	0.9287	0.9386	0
Modal	33	0.03	0.0001	0.0001	0	0.9288	0.9387	0
Modal	34	0.029	0.0096	0.004	0	0.9383	0.9427	0
Modal	35	0.029	0.0014	0.0033	0	0.9398	0.9461	0
Modal	36	0.028	2.769E-05	0.0039	0	0.9398	0.95	0
Modal	37	0.028	0.0016	0.0099	0	0.9414	0.9598	0
Modal	38	0.027	3.8E-05	0.0028	0	0.9415	0.9627	0
Modal	39	0.026	0.0028	0.019	0	0.9442	0.9817	0
Modal	40	0.025	3.435E-06	0.0022	0	0.9442	0.9839	0
Modal	41	0.025	0.0004	0.0028	0	0.9447	0.9867	0
Modal	42	0.025	0.0025	0.0012	0	0.9472	0.9879	0
Modal	43	0.024	4.731E-06	0.0002	0	0.9472	0.9881	0
Modal	44	0.024	0.0008	0.0001	0	0.948	0.9882	0
Modal	45	0.023	0.0006	0.0002	0	0.9486	0.9884	0

Table 3.3 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	1	0.3372	0.0016	0.3366	0.3372	0.0016	0.3366
Modal	2	0.0322	0.0219	0.1229	0.3694	0.0235	0.4595
Modal	3	0.0064	0.0598	0.159	0.3757	0.0833	0.6185
Modal	4	0.0109	0.262	0.1303	0.3867	0.3453	0.7488
Modal	5	0.0242	0.0269	3.778E-05	0.4109	0.3722	0.7488
Modal	6	0.0032	1.097E-05	0.0092	0.4141	0.3722	0.758
Modal	7	0.0009	2.252E-05	0.0373	0.415	0.3722	0.7953
Modal	8	0.0696	0.0175	0.0957	0.4846	0.3897	0.891
Modal	9	0.0047	0.0005	0.0011	0.4894	0.3903	0.8921
Modal	10	0.0776	0.0043	0.0083	0.567	0.3945	0.9003
Modal	11	0.0085	0.0056	0.0187	0.5755	0.4001	0.9191
Modal	12	0.0041	0.0003	0.0084	0.5796	0.4004	0.9275
Modal	13	0.0013	0.011	0.0001	0.5808	0.4113	0.9276
Modal	14	0.029	0.004	0.0152	0.6099	0.4153	0.9428
Modal	15	0.005	0.0802	0.0112	0.6149	0.4955	0.954
Modal	16	0.034	0.0028	0.0019	0.6489	0.4983	0.9559
Modal	17	0.0133	0.0021	0.0123	0.6622	0.5004	0.9682
Modal	18	0.0054	0.0092	0.0035	0.6676	0.5096	0.9717
Modal	19	1.478E-05	0.005	0.0001	0.6677	0.5146	0.9718
Modal	20	4.626E-06	0.01	0.0001	0.6677	0.5246	0.9718
Modal	21	0.0036	0.0011	0.0003	0.6713	0.5257	0.9721
Modal	22	0.066	0.0005	0.0009	0.7373	0.5263	0.973
Modal	23	0.017	0.1273	0.0032	0.7543	0.6536	0.9762

Table 3.3 - Modal Participating Mass Ratios (Part 2 of 2, continued)

Case	Mode	RX	RY	RZ	Sum RX	Sum RY	Sum RZ
Modal	24	0.0018	0.0081	0.0018	0.7561	0.6617	0.978
Modal	25	0.0011	0.0263	0.0003	0.7572	0.688	0.9782
Modal	26	0.0208	0.0036	0.0002	0.778	0.6916	0.9785
Modal	27	0.0002	0.0007	0.0004	0.7782	0.6922	0.9788
Modal	28	0.0003	0.0513	0	0.7785	0.7435	0.9788
Modal	29	0.0006	0.0135	0.0005	0.7792	0.757	0.9793
Modal	30	0.0125	0.0003	0.001	0.7917	0.7573	0.9803
Modal	31	0.0357	0.0732	0.0063	0.8274	0.8305	0.9866
Modal	32	0.0035	0.0084	0.0004	0.8309	0.8389	0.987
Modal	33	0.0018	2.933E-05	0.0004	0.8326	0.839	0.9875
Modal	34	0.0222	0.0329	0.003	0.8548	0.8718	0.9904
Modal	35	0.0115	0.0041	0.0006	0.8663	0.876	0.9911
Modal	36	0.011	0.0002	0.0006	0.8773	0.8762	0.9917
Modal	37	0.0228	0.0029	0.0006	0.9001	0.8792	0.9923
Modal	38	0.0054	0.0004	9.639E-06	0.9056	0.8796	0.9923
Modal	39	0.0284	0.0042	0.0001	0.9339	0.8838	0.9924
Modal	40	0.0053	0.0002	0.0002	0.9392	0.884	0.9926
Modal	41	0.0041	0.0008	1.379E-05	0.9433	0.8847	0.9926
Modal	42	0.0101	0.0003	0.0031	0.9534	0.885	0.9957
Modal	43	0.0005	0.0001	1.676E-05	0.9539	0.8851	0.9957
Modal	44	0.0013	0.0004	1.141E-05	0.9552	0.8855	0.9957
Modal	45	0.0001	0.0008	2.681E-06	0.9553	0.8863	0.9957

Table 3.4 - Modal Participation Factors

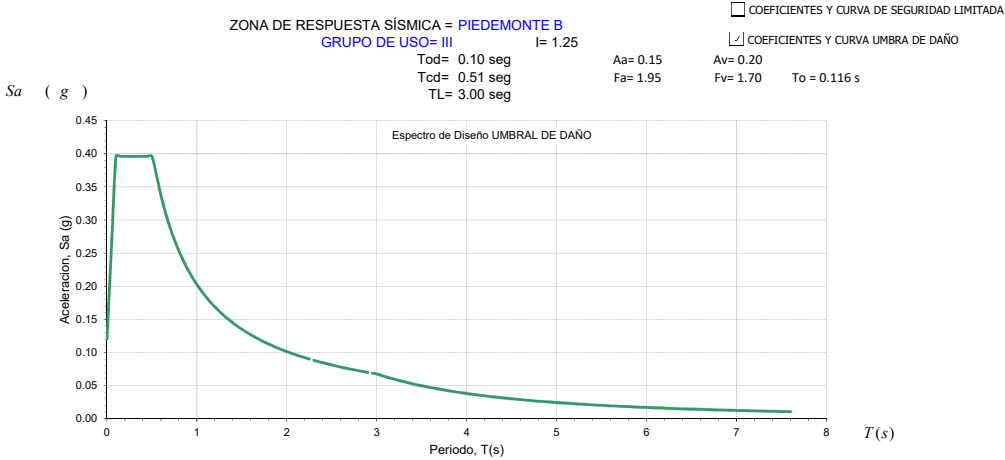
Case	Mode	Period sec	UX tonf-m	UY tonf-m	UZ tonf-m	RX tonf-m	RY tonf-m	RZ tonf-m	Modal Mass tonf-m-s <sup>2</sup>	Modal Stiffness tonf-m
Modal	1	0.348	-0.507352	-8.053164	0	24.443594	-1.659703	-97.248394	1	325.72022
Modal	2	0.304	2.810822	-3.974696	0	7.549983	6.229123	58.757991	1	425.97527
Modal	3	0.213	4.598743	-3.937767	0	3.361645	10.296713	66.83292	1	869.33747
Modal	4	0.192	8.321074	2.268754	0	-4.404863	21.545366	-60.510472	1	1075.08863
Modal	5	0.18	-2.458775	-1.913994	0	-6.546566	-6.909798	-1.030295	1	1217.2227
Modal	6	0.119	0.007126	-1.261293	0	-2.392279	0.139431	-16.100252	1	2786.9289
Modal	7	0.115	-0.039406	-1.208534	0	-1.287183	0.199766	-32.368997	1	2991.77346
Modal	8	0.11	-1.156625	2.381199	0	11.10506	5.566528	-51.842756	1	3268.52299
Modal	9	0.107	0.2316	-0.843318	0	-2.894807	-0.973333	5.467877	1	3455.91096
Modal	10	0.102	0.862323	-2.500296	0	-11.729475	-2.750403	15.241704	1	3806.64705
Modal	11	0.082	0.843955	1.81514	0	3.883415	-3.150971	22.94565	1	5859.86968
Modal	12	0.077	-0.306105	-0.11262	0	2.679787	0.679084	-15.368105	1	6612.77727
Modal	13	0.074	-0.849771	-0.464493	0	1.503675	4.406478	-1.844689	1	7117.88936
Modal	14	0.069	0.456289	0.57212	0	-7.173701	-2.649883	20.665684	1	8213.95607
Modal	15	0.067	3.014072	0.660065	0	2.965633	-11.919156	-17.756438	1	8848.90924
Modal	16	0.061	0.692393	-1.423857	0	-7.765616	-2.238879	7.289653	1	10451.37453
Modal	17	0.059	0.075742	0.845836	0	4.855825	1.947267	-18.593393	1	11497.42558
Modal	18	0.057	-1.085798	1.123361	0	3.106197	4.027607	-9.855102	1	11958.37411

Table 3.4 - Modal Participation Factors (continued)

Case	Mode	Period sec	UX tonf-m	UY tonf-m	UZ tonf-m	RX tonf-m	RY tonf-m	RZ tonf-m	Modal Mass tonf-m-s <sup>2</sup>	Modal Stiffness tonf-m
Modal	19	0.053	-0.577511	0.018541	0	0.161857	2.972049	-1.659798	1	13834.17194
Modal	20	0.051	-0.526508	0.017138	0	0.090542	4.219269	-1.249847	1	15475.68201
Modal	21	0.048	-0.269052	-0.768107	0	-2.53864	1.397746	2.943972	1	16956.32588
Modal	22	0.047	0.34033	2.645546	0	10.818118	-0.986617	-5.031108	1	17740.29712
Modal	23	0.045	-3.492791	-1.216967	0	-5.483149	15.019218	9.451232	1	19371.43298
Modal	24	0.043	0.883179	0.32322	0	1.803443	-3.799236	-7.053624	1	21517.61521
Modal	25	0.042	-1.338654	0.340821	0	1.40116	6.822876	2.664661	1	22565.76953
Modal	26	0.041	0.372408	1.612895	0	6.066996	-2.512658	-2.620237	1	23877.46826
Modal	27	0.04	0.644758	-0.109504	0	-0.548095	-1.079177	-3.190288	1	24665.63037
Modal	28	0.039	1.498731	0.177078	0	-0.772162	-9.532494	0.008815	1	25765.18151
Modal	29	0.037	-0.617477	-0.084669	0	-1.071361	4.893667	3.678314	1	28264.63623
Modal	30	0.034	0.07379	-0.702123	0	-4.701891	-0.688373	5.320394	1	33230.67713
Modal	31	0.031	-1.643103	-1.012889	0	-7.958045	11.389276	13.295786	1	41990.34492
Modal	32	0.03	-0.576665	-0.329516	0	-2.479819	3.869444	3.430203	1	42594.35113
Modal	33	0.03	-0.118391	-0.11769	0	-1.763676	0.22797	3.456294	1	43379.52683
Modal	34	0.029	-1.205728	0.77909	0	6.27036	7.632611	-9.155195	1	46341.32614
Modal	35	0.029	-0.468942	0.710101	0	4.511535	2.700307	-4.161883	1	47548.06153
Modal	36	0.028	-0.064836	0.772144	0	4.422969	-0.659182	-4.235076	1	51620.7432
Modal	37	0.028	0.495179	-1.223724	0	-6.356851	-2.284516	4.123594	1	52065.54013
Modal	38	0.027	0.075953	-0.656361	0	-3.098173	0.857155	0.520416	1	54050.07829
Modal	39	0.026	-0.648155	1.697411	0	7.090285	2.7389	1.264417	1	57581.07447
Modal	40	0.025	-0.022837	0.581698	0	3.063004	0.580239	-2.56732	1	60902.07901
Modal	41	0.025	0.258135	-0.652646	0	-2.702207	-1.157714	-0.622491	1	61134.34381
Modal	42	0.025	-0.613511	-0.432686	0	-4.22367	0.721888	9.264571	1	63427.61934
Modal	43	0.024	-0.026803	-0.169662	0	-0.943364	-0.325287	0.686211	1	67273.48111
Modal	44	0.024	0.353475	-0.137739	0	-1.52335	-0.862434	0.566136	1	68883.59201
Modal	45	0.023	0.313259	0.165907	0	0.445296	-1.175772	0.274433	1	72761.84433

Table 3.5 - Modal Load Participation Ratios

Case	Item Type	Item	Static %	Dynamic %
Modal	Acceleration	UX	99.97	94.86
Modal	Acceleration	UY	100	98.84
Modal	Acceleration	UZ	0	0



Parametros de la Estructura

Sistema estructural	Porticos de concreto
h (m) =	12.5
Ct =	0.047
a =	0.9
Ta (s) =	0.456
Cu =	1.342
R0 =	5.0
	Cu*Ta = 0.612 s
	Según A.4.2.2, NSR-10
Período Modelo Estructural, T=	0.348 seg
Chequeo A.5.4.5, T < Cu*Ta :	OK
T (s)=	0.348
Sa =	0.396

Calculo Masa Estructural

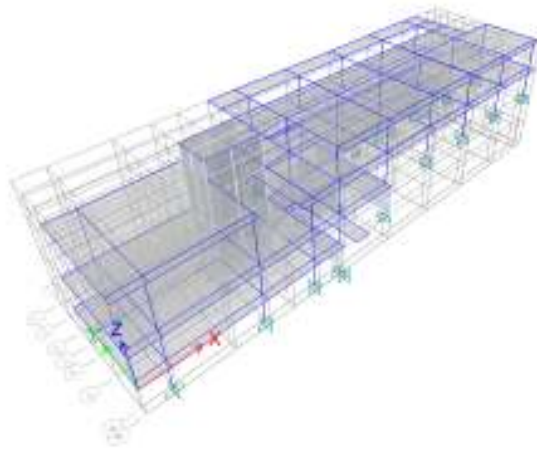
Nivel	Altura Piso (m)	Area (m²)	CM (kN/m²)	Ppropio (kN/m²)	Masa (kN.seg²/m)
N+15.75	1.55	357.6	3.700	6.365	366.887
N+14.20	1.7	148.02	1.750	6.549	125.216
N+12.50	3.25	317.2	1.750	7.312	293.002
N+9.25	3.25	248.7	1.750	8.999	272.494
N+6.00	2.75	194.1	1.750	7.417	181.376
Masa Total =					1238.975

$V_s = S_a * g * M$   
 $V_s = 4813.120$  kN  
 $F_x = C_{vx} * V_s$   
donde  $C_{vx} = \frac{M_x * h_x^k}{\sum m_i * h_i^k}$  donde k = 1.00

Estructura Regular=	NO
Vdiseño=	0.9x 4813.120=433.2 ton

Distribucion de Fuerzas Horizontales

Nivel	hi (m)	wi (kN)	wi hi <sup>k</sup>	Cvx	Fx (kN)	Fx (Ton)	Ajuste Rsultados	
N+15.75	12.5	366.887	12.50	0.30	1451.48	145.15	Vsx	340.56
N+14.20	10.95	125.216	10.95	0.26	1271.50	127.15	F.A.x	1.27
N+12.50	9.25	293.002	9.25	0.22	1074.10	107.41	Vsy	302.69
N+9.25	6	272.494	6.00	0.14	696.71	69.67	F.A.y	1.43
N+6.00	2.75	181.376	2.75	0.07	319.33	31.93		
Totales		1238.975	41.45	1.00	4813.12	481.31		



## CONTROL DERIVAS UMBRAL M1

Model File: JARDIN INFANTIL SANTA TERESITA, Revision 1  
9/09/2018

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Table 1.1 Joint Drifts

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### 1 Analysis Results

This chapter provides analysis results.

#### 1.1 Point Results

Table 1.1 - Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	7	43	DERX1 Max	0.004596	0.003441	0.000595	0.000451
CUB	7	43	DERX1 Min	-0.004229	-0.00247	0.000509	3.6E-05
CUB	7	43	DERX2 Max	0.004596	0.003441	0.000595	0.000451
CUB	7	43	DERX2 Min	-0.004229	-0.00247	0.000509	3.6E-05
CUB	7	43	DERX3 Max	0.004523	0.003247	0.000578	0.000368
CUB	7	43	DERX3 Min	-0.004302	-0.002664	0.000526	0.000119
CUB	7	43	DERX4 Max	0.004523	0.003247	0.000578	0.000368
CUB	7	43	DERX4 Min	-0.004302	-0.002664	0.000526	0.000119
CUB	7	43	DERY1 Max	0.004212	0.009927	0.000675	0.001301
CUB	7	43	DERY1 Min	-0.003845	-0.008956	0.000589	0.000886
CUB	7	43	DERY2 Max	0.004212	0.009927	0.000675	0.001301
CUB	7	43	DERY2 Min	-0.003845	-0.008956	0.000589	0.000886
CUB	7	43	DERY3 Max	0.004138	0.009733	0.000658	0.001218
CUB	7	43	DERY3 Min	-0.003918	-0.00915	0.000606	0.000969
CUB	7	43	DERY4 Max	0.004138	0.009733	0.000658	0.001218
CUB	7	43	DERY4 Min	-0.003918	-0.00915	0.000606	0.000969
CUB	8	44	DERX1 Max	0.004016	0.003366	0.00035	0.000312
CUB	8	44	DERX1 Min	-0.003963	-0.002432	0.000268	0.000111
CUB	8	44	DERX2 Max	0.004016	0.003366	0.00035	0.000312
CUB	8	44	DERX2 Min	-0.003963	-0.002432	0.000268	0.000111
CUB	8	44	DERX3 Max	0.004005	0.003179	0.000334	0.000272
CUB	8	44	DERX3 Min	-0.003974	-0.002619	0.000285	0.000151
CUB	8	44	DERX4 Max	0.004005	0.003179	0.000334	0.000272
CUB	8	44	DERX4 Min	-0.003974	-0.002619	0.000285	0.000151
CUB	8	44	DERY1 Max	0.001366	0.009824	0.000143	0.001084
CUB	8	44	DERY1 Min	-0.001313	-0.00889	6.1E-05	0.000883
CUB	8	44	DERY2 Max	0.001366	0.009824	0.000143	0.001084
CUB	8	44	DERY2 Min	-0.001313	-0.00889	6.1E-05	0.000883
CUB	8	44	DERY3 Max	0.001355	0.009637	0.000127	0.001044
CUB	8	44	DERY3 Min	-0.001323	-0.009077	7.8E-05	0.000923
CUB	8	44	DERY4 Max	0.001355	0.009637	0.000127	0.001044
CUB	8	44	DERY4 Min	-0.001323	-0.009077	7.8E-05	0.000923
CUB	9	45	DERX1 Max	0.004201	0.002625	0.000434	0.000176
CUB	9	45	DERX1 Min	-0.004171	-0.00133	0.000437	7.3E-05
CUB	9	45	DERX2 Max	0.004201	0.002625	0.000434	0.000176
CUB	9	45	DERX2 Min	-0.004171	-0.00133	0.000437	7.3E-05
CUB	9	45	DERX3 Max	0.004195	0.002366	0.000434	0.000155
CUB	9	45	DERX3 Min	-0.004177	-0.001589	0.000436	9.4E-05
CUB	9	45	DERX4 Max	0.004195	0.002366	0.000434	0.000155
CUB	9	45	DERX4 Min	-0.004177	-0.001589	0.000436	9.4E-05



Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	9	45	DERY1 Max	0.001427	0.012588	0.00015	0.001337
CUB	9	45	DERY1 Min	-0.001396	-0.011293	0.000154	0.001234
CUB	9	45	DERY2 Max	0.001427	0.012588	0.00015	0.001337
CUB	9	45	DERY2 Min	-0.001396	-0.011293	0.000154	0.001234
CUB	9	45	DERY3 Max	0.001421	0.012329	0.000151	0.001316
CUB	9	45	DERY3 Min	-0.001402	-0.011552	0.000153	0.001255
CUB	9	45	DERY4 Max	0.001421	0.012329	0.000151	0.001316
CUB	9	45	DERY4 Min	-0.001402	-0.011552	0.000153	0.001255
CUB	10	46	DERX1 Max	0.004571	0.002601	0.000483	0.00044
CUB	10	46	DERX1 Min	-0.004207	-0.001297	0.000441	0.000172
CUB	10	46	DERX2 Max	0.004571	0.002601	0.000483	0.00044
CUB	10	46	DERX2 Min	-0.004207	-0.001297	0.000441	0.000172
CUB	10	46	DERX3 Max	0.004498	0.00234	0.000474	0.000318
CUB	10	46	DERX3 Min	-0.00428	-0.001557	0.000449	4.9E-05
CUB	10	46	DERX4 Max	0.004498	0.00234	0.000474	0.000318
CUB	10	46	DERX4 Min	-0.00428	-0.001557	0.000449	4.9E-05
CUB	10	46	DERY1 Max	0.004193	0.012561	0.000529	0.001765
CUB	10	46	DERY1 Min	-0.00383	-0.011256	0.000487	0.001153
CUB	10	46	DERY2 Max	0.004193	0.012561	0.000529	0.001765
CUB	10	46	DERY2 Min	-0.00383	-0.011256	0.000487	0.001153
CUB	10	46	DERY3 Max	0.004121	0.0123	0.000521	0.001643
CUB	10	46	DERY3 Min	-0.003903	-0.011517	0.000496	0.001276
CUB	10	46	DERY4 Max	0.004121	0.0123	0.000521	0.001643
CUB	10	46	DERY4 Min	-0.003903	-0.011517	0.000496	0.001276
CUB	11	47	DERX1 Max	0.004311	0.001896	0.000397	0.000179
CUB	11	47	DERX1 Min	-0.004283	-0.000279	0.000379	3.3E-05
CUB	11	47	DERX2 Max	0.004311	0.001896	0.000397	0.000179
CUB	11	47	DERX2 Min	-0.004283	-0.000279	0.000379	3.3E-05
CUB	11	47	DERX3 Max	0.004305	0.001573	0.000394	0.00015
CUB	11	47	DERX3 Min	-0.004288	-0.000603	0.000383	6.2E-05
CUB	11	47	DERX4 Max	0.004305	0.001573	0.000394	0.00015
CUB	11	47	DERX4 Min	-0.004288	-0.000603	0.000383	6.2E-05
CUB	11	47	DERY1 Max	0.001459	0.015467	0.000145	0.001778
CUB	11	47	DERY1 Min	-0.001431	-0.01385	0.000127	0.001631
CUB	11	47	DERY2 Max	0.001459	0.015467	0.000145	0.001778
CUB	11	47	DERY2 Min	-0.001431	-0.01385	0.000127	0.001631
CUB	11	47	DERY3 Max	0.001453	0.015144	0.000141	0.001748
CUB	11	47	DERY3 Min	-0.001437	-0.014174	0.000131	0.001661
CUB	11	47	DERY4 Max	0.001453	0.015144	0.000141	0.001748
CUB	11	47	DERY4 Min	-0.001437	-0.014174	0.000131	0.001661
CUB	12	48	DERX1 Max	0.004584	0.0019	0.000433	0.00044
CUB	12	48	DERX1 Min	-0.004242	-0.000269	0.000387	0.000204
CUB	12	48	DERX2 Max	0.004584	0.0019	0.000433	0.00044
CUB	12	48	DERX2 Min	-0.004242	-0.000269	0.000387	0.000204
CUB	12	48	DERX3 Max	0.004516	0.001574	0.000424	0.000312

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	12	48	DERX3 Min	-0.00431	-0.000595	0.000396	7.5E-05
CUB	12	48	DERX4 Max	0.004516	0.001574	0.000424	0.000312
CUB	12	48	DERX4 Min	-0.00431	-0.000595	0.000396	7.5E-05
CUB	12	48	DERY1 Max	0.004149	0.015452	0.000536	0.002238
CUB	12	48	DERY1 Min	-0.003807	-0.013821	0.000489	0.001594
CUB	12	48	DERY2 Max	0.004149	0.015452	0.000536	0.002238
CUB	12	48	DERY2 Min	-0.003807	-0.013821	0.000489	0.001594
CUB	12	48	DERY3 Max	0.004081	0.015126	0.000527	0.00211
CUB	12	48	DERY3 Min	-0.003875	-0.014148	0.000498	0.001723
CUB	12	48	DERY4 Max	0.004081	0.015126	0.000527	0.00211
CUB	12	48	DERY4 Min	-0.003875	-0.014148	0.000498	0.001723
CUB	13	49	DERX1 Max	0.004381	0.001975	0.000412	0.000263
CUB	13	49	DERX1 Min	-0.00435	-7.4E-05	0.00041	6E-05
CUB	13	49	DERX2 Max	0.004381	0.001975	0.000412	0.000263
CUB	13	49	DERX2 Min	-0.00435	-7.4E-05	0.00041	6E-05
CUB	13	49	DERX3 Max	0.004375	0.001595	0.000412	0.000222
CUB	13	49	DERX3 Min	-0.004356	-0.000454	0.000411	0.000101
CUB	13	49	DERX4 Max	0.004375	0.001595	0.000412	0.000222
CUB	13	49	DERX4 Min	-0.004356	-0.000454	0.000411	0.000101
CUB	13	49	DERY1 Max	0.001486	0.018328	0.000148	0.002276
CUB	13	49	DERY1 Min	-0.001455	-0.016427	0.000146	0.002074
CUB	13	49	DERY2 Max	0.001486	0.018328	0.000148	0.002276
CUB	13	49	DERY2 Min	-0.001455	-0.016427	0.000146	0.002074
CUB	13	49	DERY3 Max	0.00148	0.017948	0.000147	0.002236
CUB	13	49	DERY3 Min	-0.001461	-0.016807	0.000146	0.002114
CUB	13	49	DERY4 Max	0.00148	0.017948	0.000147	0.002236
CUB	13	49	DERY4 Min	-0.001461	-0.016807	0.000146	0.002114
CUB	14	50	DERX1 Max	0.004598	0.001985	0.000447	0.000486
CUB	14	50	DERX1 Min	-0.004278	-6E-05	0.000406	0.000136
CUB	14	50	DERX2 Max	0.004598	0.001985	0.000447	0.000486
CUB	14	50	DERX2 Min	-0.004278	-6E-05	0.000406	0.000136
CUB	14	50	DERX3 Max	0.004534	0.0016	0.000439	0.000361
CUB	14	50	DERX3 Min	-0.004342	-0.000445	0.000414	1.1E-05
CUB	14	50	DERX4 Max	0.004534	0.0016	0.000439	0.000361
CUB	14	50	DERX4 Min	-0.004342	-0.000445	0.000414	1.1E-05
CUB	14	50	DERY1 Max	0.004073	0.01836	0.000515	0.002715
CUB	14	50	DERY1 Min	-0.003753	-0.016436	0.000474	0.002093
CUB	14	50	DERY2 Max	0.004073	0.01836	0.000515	0.002715
CUB	14	50	DERY2 Min	-0.003753	-0.016436	0.000474	0.002093
CUB	14	50	DERY3 Max	0.004009	0.017975	0.000506	0.002591
CUB	14	50	DERY3 Min	-0.003817	-0.016821	0.000482	0.002218
CUB	14	50	DERY4 Max	0.004009	0.017975	0.000506	0.002591
CUB	14	50	DERY4 Min	-0.003817	-0.016821	0.000482	0.002218
CUB	15	51	DERX1 Max	0.004428	0.003008	0.000482	0.00034
CUB	15	51	DERX1 Min	-0.004385	-0.000841	0.000359	0.00014

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	15	51	DERX2 Max	0.004428	0.003008	0.000482	0.00034
CUB	15	51	DERX2 Min	-0.004385	-0.000841	0.000359	0.00014
CUB	15	51	DERX3 Max	0.004419	0.002575	0.000457	0.0003
CUB	15	51	DERX3 Min	-0.004394	-0.001275	0.000384	0.00018
CUB	15	51	DERX4 Max	0.004419	0.002575	0.000457	0.0003
CUB	15	51	DERX4 Min	-0.004394	-0.001275	0.000384	0.00018
CUB	15	51	DERY1 Max	0.001518	0.021187	0.000213	0.002659
CUB	15	51	DERY1 Min	-0.001476	-0.01902	9E-05	0.00246
CUB	15	51	DERY2 Max	0.001518	0.021187	0.000213	0.002659
CUB	15	51	DERY2 Min	-0.001476	-0.01902	9E-05	0.00246
CUB	15	51	DERY3 Max	0.00151	0.020754	0.000188	0.002619
CUB	15	51	DERY3 Min	-0.001485	-0.019453	0.000115	0.0025
CUB	15	51	DERY4 Max	0.00151	0.020754	0.000188	0.002619
CUB	15	51	DERY4 Min	-0.001485	-0.019453	0.000115	0.0025
CUB	16	52	DERX1 Max	0.004607	0.003019	0.000448	0.000582
CUB	16	52	DERX1 Min	-0.004307	-0.00084	0.000412	4.8E-05
CUB	16	52	DERX2 Max	0.004607	0.003019	0.000448	0.000582
CUB	16	52	DERX2 Min	-0.004307	-0.00084	0.000412	4.8E-05
CUB	16	52	DERX3 Max	0.004547	0.002583	0.000441	0.000456
CUB	16	52	DERX3 Min	-0.004367	-0.001276	0.000419	7.8E-05
CUB	16	52	DERX4 Max	0.004547	0.002583	0.000441	0.000456
CUB	16	52	DERX4 Min	-0.004367	-0.001276	0.000419	7.8E-05
CUB	16	52	DERY1 Max	0.003995	0.02114	0.000488	0.003124
CUB	16	52	DERY1 Min	-0.003695	-0.018961	0.000452	0.002493
CUB	16	52	DERY2 Max	0.003995	0.02114	0.000488	0.003124
CUB	16	52	DERY2 Min	-0.003695	-0.018961	0.000452	0.002493
CUB	16	52	DERY3 Max	0.003935	0.020705	0.000481	0.002998
CUB	16	52	DERY3 Min	-0.003755	-0.019397	0.000459	0.002619
CUB	16	52	DERY4 Max	0.003935	0.020705	0.000481	0.002998
CUB	16	52	DERY4 Min	-0.003755	-0.019397	0.000459	0.002619
CUB	21	122	DERX1 Max	0.00461	0.004231	0.000429	0.000564
CUB	21	122	DERX1 Min	-0.004324	-0.001832	0.000449	9.9E-05
CUB	21	122	DERX2 Max	0.00461	0.004231	0.000429	0.000564
CUB	21	122	DERX2 Min	-0.004324	-0.001832	0.000449	9.9E-05
CUB	21	122	DERX3 Max	0.004553	0.003751	0.000433	0.000471
CUB	21	122	DERX3 Min	-0.004381	-0.002312	0.000445	0.000192
CUB	21	122	DERX4 Max	0.004553	0.003751	0.000433	0.000471
CUB	21	122	DERX4 Min	-0.004381	-0.002312	0.000445	0.000192
CUB	21	122	DERY1 Max	0.003925	0.023729	0.000462	0.00305
CUB	21	122	DERY1 Min	-0.003639	-0.02133	0.000483	0.002584
CUB	21	122	DERY2 Max	0.003925	0.023729	0.000462	0.00305
CUB	21	122	DERY2 Min	-0.003639	-0.02133	0.000483	0.002584
CUB	21	122	DERY3 Max	0.003868	0.023249	0.000466	0.002957
CUB	21	122	DERY3 Min	-0.003696	-0.02181	0.000479	0.002677
CUB	21	122	DERY4 Max	0.003868	0.023249	0.000466	0.002957

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	21	122	DERY4 Min	-0.003696	-0.02181	0.000479	0.002677
CUB	23	124	DERX1 Max	0.004449	0.004219	0.000402	0.000401
CUB	23	124	DERX1 Min	-0.0044	-0.001842	0.000468	0.000259
CUB	23	124	DERX2 Max	0.004449	0.004219	0.000402	0.000401
CUB	23	124	DERX2 Min	-0.0044	-0.001842	0.000468	0.000259
CUB	23	124	DERX3 Max	0.004439	0.003743	0.000415	0.000372
CUB	23	124	DERX3 Min	-0.00441	-0.002317	0.000454	0.000288
CUB	23	124	DERX4 Max	0.004439	0.003743	0.000415	0.000372
CUB	23	124	DERX4 Min	-0.00441	-0.002317	0.000454	0.000288
CUB	23	124	DERY1 Max	0.00155	0.023704	0.000149	0.002873
CUB	23	124	DERY1 Min	-0.001501	-0.021328	0.000214	0.002731
CUB	23	124	DERY2 Max	0.00155	0.023704	0.000149	0.002873
CUB	23	124	DERY2 Min	-0.001501	-0.021328	0.000214	0.002731
CUB	23	124	DERY3 Max	0.00154	0.023229	0.000162	0.002844
CUB	23	124	DERY3 Min	-0.00151	-0.021803	0.000201	0.002759
CUB	23	124	DERY4 Max	0.00154	0.023229	0.000162	0.002844
CUB	23	124	DERY4 Min	-0.00151	-0.021803	0.000201	0.002759
CUB	19	160	DERX1 Max	0.004105	0.003255	0.000229	0.000481
CUB	19	160	DERX1 Min	-0.004419	-0.002341	0.000414	0.000119
CUB	19	160	DERX2 Max	0.004105	0.003255	0.000229	0.000481
CUB	19	160	DERX2 Min	-0.004419	-0.002341	0.000414	0.000119
CUB	19	160	DERX3 Max	0.004168	0.003072	0.000266	0.000361
CUB	19	160	DERX3 Min	-0.004356	-0.002524	0.000377	1E-06
CUB	19	160	DERX4 Max	0.004168	0.003072	0.000266	0.000361
CUB	19	160	DERX4 Min	-0.004356	-0.002524	0.000377	1E-06
CUB	19	160	DERY1 Max	0.002565	0.009709	0.000155	0.001158
CUB	19	160	DERY1 Min	-0.002878	-0.008795	0.00034	0.000558
CUB	19	160	DERY2 Max	0.002565	0.009709	0.000155	0.001158
CUB	19	160	DERY2 Min	-0.002878	-0.008795	0.00034	0.000558
CUB	19	160	DERY3 Max	0.002627	0.009526	0.000192	0.001038
CUB	19	160	DERY3 Min	-0.002816	-0.008978	0.000303	0.000678
CUB	19	160	DERY4 Max	0.002627	0.009526	0.000192	0.001038
CUB	19	160	DERY4 Min	-0.002816	-0.008978	0.000303	0.000678
CUB	22	161	DERX1 Max	0.004263	0.002633	0.000387	0.000554
CUB	22	161	DERX1 Min	-0.004559	-0.001333	0.000396	0.000177
CUB	22	161	DERX2 Max	0.004263	0.002633	0.000387	0.000554
CUB	22	161	DERX2 Min	-0.004559	-0.001333	0.000396	0.000177
CUB	22	161	DERX3 Max	0.004322	0.002373	0.000389	0.000408
CUB	22	161	DERX3 Min	-0.0045	-0.001593	0.000395	3.1E-05
CUB	22	161	DERX4 Max	0.004322	0.002373	0.000389	0.000408
CUB	22	161	DERX4 Min	-0.0045	-0.001593	0.000395	3.1E-05
CUB	22	161	DERY1 Max	0.002554	0.012613	0.000244	0.000933
CUB	22	161	DERY1 Min	-0.00285	-0.011313	0.000254	0.000202
CUB	22	161	DERY2 Max	0.002554	0.012613	0.000244	0.000933
CUB	22	161	DERY2 Min	-0.00285	-0.011313	0.000254	0.000202

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
CUB	22	161	DERY3 Max	0.002614	0.012353	0.000246	0.000787
CUB	22	161	DERY3 Min	-0.002791	-0.011573	0.000252	0.000348
CUB	22	161	DERY4 Max	0.002614	0.012353	0.000246	0.000787
CUB	22	161	DERY4 Min	-0.002791	-0.011573	0.000252	0.000348
CUB	27	162	DERX1 Max	0.004317	0.001907	0.000378	0.000833
CUB	27	162	DERX1 Min	-0.004599	-0.000285	0.000389	3.5E-05
CUB	27	162	DERX2 Max	0.004317	0.001907	0.000378	0.000833
CUB	27	162	DERX2 Min	-0.004599	-0.000285	0.000389	3.5E-05
CUB	27	162	DERX3 Max	0.004374	0.001582	0.00038	0.000659
CUB	27	162	DERX3 Min	-0.004543	-0.000609	0.000387	0.000139
CUB	27	162	DERX4 Max	0.004374	0.001582	0.00038	0.000659
CUB	27	162	DERX4 Min	-0.004543	-0.000609	0.000387	0.000139
CUB	27	162	DERY1 Max	0.002546	0.015502	0.000235	0.000846
CUB	27	162	DERY1 Min	-0.002828	-0.013881	0.000246	2.2E-05
CUB	27	162	DERY2 Max	0.002546	0.015502	0.000235	0.000846
CUB	27	162	DERY2 Min	-0.002828	-0.013881	0.000246	2.2E-05
CUB	27	162	DERY3 Max	0.002602	0.015178	0.000237	0.000672
CUB	27	162	DERY3 Min	-0.002771	-0.014205	0.000244	0.000152
CUB	27	162	DERY4 Max	0.002602	0.015178	0.000237	0.000672
CUB	27	162	DERY4 Min	-0.002771	-0.014205	0.000244	0.000152
CUB	46	163	DERX1 Max	0.004372	0.001979	0.000332	0.001073
CUB	46	163	DERX1 Min	-0.00464	-8.2E-05	0.000443	0.000194
CUB	46	163	DERX2 Max	0.004372	0.001979	0.000332	0.001073
CUB	46	163	DERX2 Min	-0.00464	-8.2E-05	0.000443	0.000194
CUB	46	163	DERX3 Max	0.004425	0.001599	0.000354	0.000897
CUB	46	163	DERX3 Min	-0.004587	-0.000461	0.000421	0.00037
CUB	46	163	DERX4 Max	0.004425	0.001599	0.000354	0.000897
CUB	46	163	DERX4 Min	-0.004587	-0.000461	0.000421	0.00037
CUB	46	163	DERY1 Max	0.00254	0.018344	0.000182	0.001035
CUB	46	163	DERY1 Min	-0.002809	-0.016447	0.000294	0.000156
CUB	46	163	DERY2 Max	0.00254	0.018344	0.000182	0.001035
CUB	46	163	DERY2 Min	-0.002809	-0.016447	0.000294	0.000156
CUB	46	163	DERY3 Max	0.002594	0.017965	0.000204	0.000859
CUB	46	163	DERY3 Min	-0.002755	-0.016826	0.000271	0.000331
CUB	46	163	DERY4 Max	0.002594	0.017965	0.000204	0.000859
CUB	46	163	DERY4 Min	-0.002755	-0.016826	0.000271	0.000331
PISO 3A	4	94	DERX1 Max	0.007373	0.008487	0.000893	0.002043
PISO 3A	4	94	DERX1 Min	-0.008165	-0.007832	0.001598	0.000715
PISO 3A	4	94	DERX2 Max	0.007373	0.008487	0.000893	0.002043
PISO 3A	4	94	DERX2 Min	-0.008165	-0.007832	0.001598	0.000715
PISO 3A	4	94	DERX3 Max	0.007532	0.008356	0.001034	0.001778
PISO 3A	4	94	DERX3 Min	-0.008007	-0.007963	0.001457	0.000981
PISO 3A	4	94	DERX4 Max	0.007532	0.008356	0.001034	0.001778
PISO 3A	4	94	DERX4 Min	-0.008007	-0.007963	0.001457	0.000981
PISO 3A	4	94	DERY1 Max	0.010641	0.012064	0.001434	0.002632

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3A	4	94	DERY1 Min	-0.011433	-0.011409	0.002138	0.001304
PISO 3A	4	94	DERY2 Max	0.010641	0.012064	0.001434	0.002632
PISO 3A	4	94	DERY2 Min	-0.011433	-0.011409	0.002138	0.001304
PISO 3A	4	94	DERY3 Max	0.010799	0.011933	0.001575	0.002367
PISO 3A	4	94	DERY3 Min	-0.011275	-0.011154	0.001997	0.00157
PISO 3A	4	94	DERY4 Max	0.010799	0.011933	0.001575	0.002367
PISO 3A	4	94	DERY4 Min	-0.011275	-0.011154	0.001997	0.00157
PISO 3A	5	95	DERX1 Max	0.007189	0.002372	0.001191	0.00041
PISO 3A	5	95	DERX1 Min	-0.007938	-0.002303	0.001435	3.1E-05
PISO 3A	5	95	DERX2 Max	0.007189	0.002372	0.001191	0.00041
PISO 3A	5	95	DERX2 Min	-0.007938	-0.002303	0.001435	3.1E-05
PISO 3A	5	95	DERX3 Max	0.007339	0.002359	0.00124	0.000322
PISO 3A	5	95	DERX3 Min	-0.007788	-0.002317	0.001386	5.8E-05
PISO 3A	5	95	DERX4 Max	0.007339	0.002359	0.00124	0.000322
PISO 3A	5	95	DERX4 Min	-0.007788	-0.002317	0.001386	5.8E-05
PISO 3A	5	95	DERY1 Max	0.010338	0.004053	0.001758	0.000603
PISO 3A	5	95	DERY1 Min	-0.011086	-0.003984	0.002003	0.000162
PISO 3A	5	95	DERY2 Max	0.010338	0.004053	0.001758	0.000603
PISO 3A	5	95	DERY2 Min	-0.011086	-0.003984	0.002003	0.000162
PISO 3A	5	95	DERY3 Max	0.010488	0.00404	0.001807	0.000515
PISO 3A	5	95	DERY3 Min	-0.010937	-0.003998	0.001954	0.00025
PISO 3A	5	95	DERY4 Max	0.010488	0.00404	0.001807	0.000515
PISO 3A	5	95	DERY4 Min	-0.010937	-0.003998	0.001954	0.00025
PISO 3A	39	311	DERX1 Max	0.00317	0.008286	3E-05	0.000782
PISO 3A	39	311	DERX1 Min	-0.003385	-0.007753	0.000612	0.001932
PISO 3A	39	311	DERX2 Max	0.00317	0.008286	3E-05	0.000782
PISO 3A	39	311	DERX2 Min	-0.003385	-0.007753	0.000612	0.001932
PISO 3A	39	311	DERX3 Max	0.003213	0.008179	9.8E-05	0.001012
PISO 3A	39	311	DERX3 Min	-0.003342	-0.007859	0.000484	0.001702
PISO 3A	39	311	DERX4 Max	0.003213	0.008179	9.8E-05	0.001012
PISO 3A	39	311	DERX4 Min	-0.003342	-0.007859	0.000484	0.001702
PISO 3A	39	311	DERY1 Max	0.001236	0.011787	0.000119	0.00136
PISO 3A	39	311	DERY1 Min	-0.00145	-0.011254	0.000524	0.00251
PISO 3A	39	311	DERY2 Max	0.001236	0.011787	0.000119	0.00136
PISO 3A	39	311	DERY2 Min	-0.00145	-0.011254	0.000524	0.00251
PISO 3A	39	311	DERY3 Max	0.001278	0.011681	1E-05	0.00159
PISO 3A	39	311	DERY3 Min	-0.001407	-0.011361	0.000396	0.00228
PISO 3A	39	311	DERY4 Max	0.001278	0.011681	1E-05	0.00159
PISO 3A	39	311	DERY4 Min	-0.001407	-0.011361	0.000396	0.00228
PISO 3	5	10	DERX1 Max	0.005202	0.001681	0.001435	0.000183
PISO 3	5	10	DERX1 Min	-0.005535	-0.002362	0.001522	0.000398
PISO 3	5	10	DERX2 Max	0.005202	0.001681	0.001435	0.000183
PISO 3	5	10	DERX2 Min	-0.005535	-0.002362	0.001522	0.000398
PISO 3	5	10	DERX3 Max	0.005269	0.001818	0.001453	0.000226
PISO 3	5	10	DERX3 Min	-0.005468	-0.002226	0.001505	0.000355

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	5	10	DERX4 Max	0.005269	0.001818	0.001453	0.000226
PISO 3	5	10	DERX4 Min	-0.005468	-0.002226	0.001505	0.000355
PISO 3	5	10	DERY1 Max	0.007369	0.00305	0.002069	0.000416
PISO 3	5	10	DERY1 Min	-0.007701	-0.003731	0.002156	0.000631
PISO 3	5	10	DERY2 Max	0.007369	0.00305	0.002069	0.000416
PISO 3	5	10	DERY2 Min	-0.007701	-0.003731	0.002156	0.000631
PISO 3	5	10	DERY3 Max	0.007435	0.003186	0.002087	0.000459
PISO 3	5	10	DERY3 Min	-0.007635	-0.003594	0.002139	0.000588
PISO 3	5	10	DERY4 Max	0.007435	0.003186	0.002087	0.000459
PISO 3	5	10	DERY4 Min	-0.007635	-0.003594	0.002139	0.000588
PISO 3	7	14	DERX1 Max	0.002608	0.002121	0.000486	0.000512
PISO 3	7	14	DERX1 Min	-0.002488	-0.001954	0.000436	0.000458
PISO 3	7	14	DERX2 Max	0.002608	0.002121	0.000486	0.000512
PISO 3	7	14	DERX2 Min	-0.002488	-0.001954	0.000436	0.000458
PISO 3	7	14	DERX3 Max	0.002584	0.002088	0.000476	0.000501
PISO 3	7	14	DERX3 Min	-0.002512	-0.001988	0.000446	0.000469
PISO 3	7	14	DERX4 Max	0.002584	0.002088	0.000476	0.000501
PISO 3	7	14	DERX4 Min	-0.002512	-0.001988	0.000446	0.000469
PISO 3	7	14	DERY1 Max	0.002064	0.005528	0.000594	0.001447
PISO 3	7	14	DERY1 Min	-0.001944	-0.005361	0.000543	0.001393
PISO 3	7	14	DERY2 Max	0.002064	0.005528	0.000594	0.001447
PISO 3	7	14	DERY2 Min	-0.001944	-0.005361	0.000543	0.001393
PISO 3	7	14	DERY3 Max	0.00204	0.005494	0.000584	0.001436
PISO 3	7	14	DERY3 Min	-0.001968	-0.005394	0.000553	0.001404
PISO 3	7	14	DERY4 Max	0.00204	0.005494	0.000584	0.001436
PISO 3	7	14	DERY4 Min	-0.001968	-0.005394	0.000553	0.001404
PISO 3	8	16	DERX1 Max	0.002416	0.002144	0.000464	0.000517
PISO 3	8	16	DERX1 Min	-0.002442	-0.001976	0.000456	0.000467
PISO 3	8	16	DERX2 Max	0.002416	0.002144	0.000464	0.000517
PISO 3	8	16	DERX2 Min	-0.002442	-0.001976	0.000456	0.000467
PISO 3	8	16	DERX3 Max	0.002422	0.00211	0.000462	0.000507
PISO 3	8	16	DERX3 Min	-0.002437	-0.002009	0.000458	0.000477
PISO 3	8	16	DERX4 Max	0.002422	0.00211	0.000462	0.000507
PISO 3	8	16	DERX4 Min	-0.002437	-0.002009	0.000458	0.000477
PISO 3	8	16	DERY1 Max	0.000829	0.005587	0.000156	0.001454
PISO 3	8	16	DERY1 Min	-0.000854	-0.005419	0.000149	0.001403
PISO 3	8	16	DERY2 Max	0.000829	0.005587	0.000156	0.001454
PISO 3	8	16	DERY2 Min	-0.000854	-0.005419	0.000149	0.001403
PISO 3	8	16	DERY3 Max	0.000834	0.005553	0.000155	0.001444
PISO 3	8	16	DERY3 Min	-0.000849	-0.005453	0.00015	0.001413
PISO 3	8	16	DERY4 Max	0.000834	0.005553	0.000155	0.001444
PISO 3	8	16	DERY4 Min	-0.000849	-0.005453	0.00015	0.001413
PISO 3	9	18	DERX1 Max	0.002486	0.00156	0.000501	0.00046
PISO 3	9	18	DERX1 Min	-0.00252	-0.001232	0.000495	0.000357
PISO 3	9	18	DERX2 Max	0.002486	0.00156	0.000501	0.00046

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	9	18	DERX2 Min	-0.00252	-0.001232	0.000495	0.000357
PISO 3	9	18	DERX3 Max	0.002493	0.001495	0.0005	0.000439
PISO 3	9	18	DERX3 Min	-0.002513	-0.001297	0.000496	0.000377
PISO 3	9	18	DERX4 Max	0.002493	0.001495	0.0005	0.000439
PISO 3	9	18	DERX4 Min	-0.002513	-0.001297	0.000496	0.000377
PISO 3	9	18	DERY1 Max	0.000844	0.00649	0.00017	0.001921
PISO 3	9	18	DERY1 Min	-0.000879	-0.006161	0.000163	0.001817
PISO 3	9	18	DERY2 Max	0.000844	0.00649	0.00017	0.001921
PISO 3	9	18	DERY2 Min	-0.000879	-0.006161	0.000163	0.001817
PISO 3	9	18	DERY3 Max	0.000851	0.006424	0.000168	0.0019
PISO 3	9	18	DERY3 Min	-0.000872	-0.006227	0.000164	0.001838
PISO 3	9	18	DERY4 Max	0.000851	0.006424	0.000168	0.0019
PISO 3	9	18	DERY4 Min	-0.000872	-0.006227	0.000164	0.001838
PISO 3	10	20	DERX1 Max	0.002627	0.001548	0.000484	0.000453
PISO 3	10	20	DERX1 Min	-0.002496	-0.001233	0.000432	0.000362
PISO 3	10	20	DERX2 Max	0.002627	0.001548	0.000484	0.000453
PISO 3	10	20	DERX2 Min	-0.002496	-0.001233	0.000432	0.000362
PISO 3	10	20	DERX3 Max	0.002601	0.001485	0.000474	0.000435
PISO 3	10	20	DERX3 Min	-0.002522	-0.001296	0.000442	0.00038
PISO 3	10	20	DERX4 Max	0.002601	0.001485	0.000474	0.000435
PISO 3	10	20	DERX4 Min	-0.002522	-0.001296	0.000442	0.00038
PISO 3	10	20	DERY1 Max	0.002058	0.006471	0.000592	0.001906
PISO 3	10	20	DERY1 Min	-0.001927	-0.006156	0.00054	0.001816
PISO 3	10	20	DERY2 Max	0.002058	0.006471	0.000592	0.001906
PISO 3	10	20	DERY2 Min	-0.001927	-0.006156	0.00054	0.001816
PISO 3	10	20	DERY3 Max	0.002032	0.006408	0.000582	0.001888
PISO 3	10	20	DERY3 Min	-0.001953	-0.006219	0.000551	0.001834
PISO 3	10	20	DERY4 Max	0.002032	0.006408	0.000582	0.001888
PISO 3	10	20	DERY4 Min	-0.001953	-0.006219	0.000551	0.001834
PISO 3	11	22	DERX1 Max	0.002515	0.000999	0.000776	0.000308
PISO 3	11	22	DERX1 Min	-0.002552	-0.000507	0.000788	0.000157
PISO 3	11	22	DERX2 Max	0.002515	0.000999	0.000776	0.000308
PISO 3	11	22	DERX2 Min	-0.002552	-0.000507	0.000788	0.000157
PISO 3	11	22	DERX3 Max	0.002523	0.000901	0.000779	0.000278
PISO 3	11	22	DERX3 Min	-0.002545	-0.000606	0.000785	0.000187
PISO 3	11	22	DERX4 Max	0.002523	0.000901	0.000779	0.000278
PISO 3	11	22	DERX4 Min	-0.002545	-0.000606	0.000785	0.000187
PISO 3	11	22	DERY1 Max	0.00086	0.007536	0.000265	0.002326
PISO 3	11	22	DERY1 Min	-0.000897	-0.007044	0.000277	0.002174
PISO 3	11	22	DERY2 Max	0.00086	0.007536	0.000265	0.002326
PISO 3	11	22	DERY2 Min	-0.000897	-0.007044	0.000277	0.002174
PISO 3	11	22	DERY3 Max	0.000868	0.007437	0.000268	0.002295
PISO 3	11	22	DERY3 Min	-0.00089	-0.007142	0.000275	0.002204
PISO 3	11	22	DERY4 Max	0.000868	0.007437	0.000268	0.002295
PISO 3	11	22	DERY4 Min	-0.00089	-0.007142	0.000275	0.002204

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	12	24	DERX1 Max	0.002634	0.000996	0.000813	0.000307
PISO 3	12	24	DERX1 Min	-0.002494	-0.000514	0.00077	0.000159
PISO 3	12	24	DERX2 Max	0.002634	0.000996	0.000813	0.000307
PISO 3	12	24	DERX2 Min	-0.002494	-0.000514	0.00077	0.000159
PISO 3	12	24	DERX3 Max	0.002606	0.0009	0.000804	0.000278
PISO 3	12	24	DERX3 Min	-0.002522	-0.00061	0.000778	0.000188
PISO 3	12	24	DERX4 Max	0.002606	0.0009	0.000804	0.000278
PISO 3	12	24	DERX4 Min	-0.002522	-0.00061	0.000778	0.000188
PISO 3	12	24	DERY1 Max	0.002041	0.00753	0.00063	0.002324
PISO 3	12	24	DERY1 Min	-0.001901	-0.007048	0.000587	0.002175
PISO 3	12	24	DERY2 Max	0.002041	0.00753	0.00063	0.002324
PISO 3	12	24	DERY2 Min	-0.001901	-0.007048	0.000587	0.002175
PISO 3	12	24	DERY3 Max	0.002013	0.007434	0.000621	0.002294
PISO 3	12	24	DERY3 Min	-0.001929	-0.007144	0.000595	0.002205
PISO 3	12	24	DERY4 Max	0.002013	0.007434	0.000621	0.002294
PISO 3	12	24	DERY4 Min	-0.001929	-0.007144	0.000595	0.002205
PISO 3	13	26	DERX1 Max	0.002537	0.000812	0.000783	0.000251
PISO 3	13	26	DERX1 Min	-0.002576	-0.000143	0.000795	4.4E-05
PISO 3	13	26	DERX2 Max	0.002537	0.000812	0.000783	0.000251
PISO 3	13	26	DERX2 Min	-0.002576	-0.000143	0.000795	4.4E-05
PISO 3	13	26	DERX3 Max	0.002545	0.000678	0.000785	0.000209
PISO 3	13	26	DERX3 Min	-0.002569	-0.000277	0.000793	8.5E-05
PISO 3	13	26	DERX4 Max	0.002545	0.000678	0.000785	0.000209
PISO 3	13	26	DERX4 Min	-0.002569	-0.000277	0.000793	8.5E-05
PISO 3	13	26	DERY1 Max	0.00087	0.008707	0.000268	0.002687
PISO 3	13	26	DERY1 Min	-0.000909	-0.008038	0.000281	0.002481
PISO 3	13	26	DERY2 Max	0.00087	0.008707	0.000268	0.002687
PISO 3	13	26	DERY2 Min	-0.000909	-0.008038	0.000281	0.002481
PISO 3	13	26	DERY3 Max	0.000877	0.008573	0.000271	0.002646
PISO 3	13	26	DERY3 Min	-0.000901	-0.008172	0.000278	0.002522
PISO 3	13	26	DERY4 Max	0.000877	0.008573	0.000271	0.002646
PISO 3	13	26	DERY4 Min	-0.000901	-0.008172	0.000278	0.002522
PISO 3	14	28	DERX1 Max	0.002638	0.000806	0.000814	0.000249
PISO 3	14	28	DERX1 Min	-0.002489	-0.000149	0.000768	4.6E-05
PISO 3	14	28	DERX2 Max	0.002638	0.000806	0.000814	0.000249
PISO 3	14	28	DERX2 Min	-0.002489	-0.000149	0.000768	4.6E-05
PISO 3	14	28	DERX3 Max	0.002608	0.000674	0.000805	0.000208
PISO 3	14	28	DERX3 Min	-0.002519	-0.00028	0.000777	8.6E-05
PISO 3	14	28	DERX4 Max	0.002608	0.000674	0.000805	0.000208
PISO 3	14	28	DERX4 Min	-0.002519	-0.00028	0.000777	8.6E-05
PISO 3	14	28	DERY1 Max	0.002032	0.008692	0.000627	0.002683
PISO 3	14	28	DERY1 Min	-0.001884	-0.008036	0.000581	0.00248
PISO 3	14	28	DERY2 Max	0.002032	0.008692	0.000627	0.002683
PISO 3	14	28	DERY2 Min	-0.001884	-0.008036	0.000581	0.00248
PISO 3	14	28	DERY3 Max	0.002002	0.008561	0.000618	0.002642

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	14	28	DERY3 Min	-0.001913	-0.008167	0.00059	0.002521
PISO 3	14	28	DERY4 Max	0.002002	0.008561	0.000618	0.002642
PISO 3	14	28	DERY4 Min	-0.001913	-0.008167	0.00059	0.002521
PISO 3	15	30	DERX1 Max	0.002546	0.001386	0.000786	0.000428
PISO 3	15	30	DERX1 Min	-0.00259	-0.000527	0.000799	0.000163
PISO 3	15	30	DERX2 Max	0.002546	0.001386	0.000786	0.000428
PISO 3	15	30	DERX2 Min	-0.00259	-0.000527	0.000799	0.000163
PISO 3	15	30	DERX3 Max	0.002555	0.001214	0.000789	0.000375
PISO 3	15	30	DERX3 Min	-0.002581	-0.000699	0.000797	0.000216
PISO 3	15	30	DERX4 Max	0.002555	0.001214	0.000789	0.000375
PISO 3	15	30	DERX4 Min	-0.002581	-0.000699	0.000797	0.000216
PISO 3	15	30	DERY1 Max	0.000873	0.009968	0.00027	0.003076
PISO 3	15	30	DERY1 Min	-0.000917	-0.009109	0.000283	0.002811
PISO 3	15	30	DERY2 Max	0.000873	0.009968	0.00027	0.003076
PISO 3	15	30	DERY2 Min	-0.000917	-0.009109	0.000283	0.002811
PISO 3	15	30	DERY3 Max	0.000882	0.009796	0.000272	0.003023
PISO 3	15	30	DERY3 Min	-0.000908	-0.009281	0.00028	0.002864
PISO 3	15	30	DERY4 Max	0.000882	0.009796	0.000272	0.003023
PISO 3	15	30	DERY4 Min	-0.000908	-0.009281	0.00028	0.002864
PISO 3	16	32	DERX1 Max	0.00264	0.001379	0.000815	0.000426
PISO 3	16	32	DERX1 Min	-0.002483	-0.000531	0.000766	0.000164
PISO 3	16	32	DERX2 Max	0.00264	0.001379	0.000815	0.000426
PISO 3	16	32	DERX2 Min	-0.002483	-0.000531	0.000766	0.000164
PISO 3	16	32	DERX3 Max	0.002609	0.001209	0.000805	0.000373
PISO 3	16	32	DERX3 Min	-0.002515	-0.0007	0.000776	0.000216
PISO 3	16	32	DERX4 Max	0.002609	0.001209	0.000805	0.000373
PISO 3	16	32	DERX4 Min	-0.002515	-0.0007	0.000776	0.000216
PISO 3	16	32	DERY1 Max	0.002027	0.009952	0.000626	0.003071
PISO 3	16	32	DERY1 Min	-0.00187	-0.009103	0.000577	0.00281
PISO 3	16	32	DERY2 Max	0.002027	0.009952	0.000626	0.003071
PISO 3	16	32	DERY2 Min	-0.00187	-0.009103	0.000577	0.00281
PISO 3	16	32	DERY3 Max	0.001996	0.009782	0.000616	0.003019
PISO 3	16	32	DERY3 Min	-0.001901	-0.009273	0.000587	0.002862
PISO 3	16	32	DERY4 Max	0.001996	0.009782	0.000616	0.003019
PISO 3	16	32	DERY4 Min	-0.001901	-0.009273	0.000587	0.002862
PISO 3	20	80	DERX1 Max	0.002608	0.002416	0.000494	0.000543
PISO 3	20	80	DERX1 Min	-0.0025	-0.002301	0.000447	0.000508
PISO 3	20	80	DERX2 Max	0.002608	0.002416	0.000494	0.000543
PISO 3	20	80	DERX2 Min	-0.0025	-0.002301	0.000447	0.000508
PISO 3	20	80	DERX3 Max	0.002586	0.002393	0.000485	0.000536
PISO 3	20	80	DERX3 Min	-0.002522	-0.002324	0.000457	0.000515
PISO 3	20	80	DERX4 Max	0.002586	0.002393	0.000485	0.000536
PISO 3	20	80	DERX4 Min	-0.002522	-0.002324	0.000457	0.000515
PISO 3	20	80	DERY1 Max	0.002059	0.005171	0.000587	0.001251
PISO 3	20	80	DERY1 Min	-0.001952	-0.005056	0.00054	0.001216

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	20	80	DERY2 Max	0.002059	0.005171	0.000587	0.001251
PISO 3	20	80	DERY2 Min	-0.001952	-0.005056	0.00054	0.001216
PISO 3	20	80	DERY3 Max	0.002038	0.005148	0.000578	0.001244
PISO 3	20	80	DERY3 Min	-0.001973	-0.005079	0.000549	0.001223
PISO 3	20	80	DERY4 Max	0.002038	0.005148	0.000578	0.001244
PISO 3	20	80	DERY4 Min	-0.001973	-0.005079	0.000549	0.001223
PISO 3	21	81	DERX1 Max	0.002638	0.002129	0.000814	0.000657
PISO 3	21	81	DERX1 Min	-0.002479	-0.001081	0.000765	0.000334
PISO 3	21	81	DERX2 Max	0.002638	0.002129	0.000814	0.000657
PISO 3	21	81	DERX2 Min	-0.002479	-0.001081	0.000765	0.000334
PISO 3	21	81	DERX3 Max	0.002607	0.001919	0.000804	0.000592
PISO 3	21	81	DERX3 Min	-0.002511	-0.001291	0.000775	0.000398
PISO 3	21	81	DERX4 Max	0.002607	0.001919	0.000804	0.000592
PISO 3	21	81	DERX4 Min	-0.002511	-0.001291	0.000775	0.000398
PISO 3	21	81	DERY1 Max	0.002023	0.011279	0.000624	0.003481
PISO 3	21	81	DERY1 Min	-0.001864	-0.010232	0.000575	0.003158
PISO 3	21	81	DERY2 Max	0.002023	0.011279	0.000624	0.003481
PISO 3	21	81	DERY2 Min	-0.001864	-0.010232	0.000575	0.003158
PISO 3	21	81	DERY3 Max	0.001991	0.01107	0.000615	0.003417
PISO 3	21	81	DERY3 Min	-0.001896	-0.010441	0.000585	0.003223
PISO 3	21	81	DERY4 Max	0.001991	0.01107	0.000615	0.003417
PISO 3	21	81	DERY4 Min	-0.001896	-0.010441	0.000585	0.003223
PISO 3	23	83	DERX1 Max	0.002548	0.002141	0.000786	0.000661
PISO 3	23	83	DERX1 Min	-0.002588	-0.001072	0.000799	0.000331
PISO 3	23	83	DERX2 Max	0.002548	0.002141	0.000786	0.000661
PISO 3	23	83	DERX2 Min	-0.002588	-0.001072	0.000799	0.000331
PISO 3	23	83	DERX3 Max	0.002556	0.001927	0.000789	0.000595
PISO 3	23	83	DERX3 Min	-0.00258	-0.001286	0.000796	0.000397
PISO 3	23	83	DERX4 Max	0.002556	0.001927	0.000789	0.000595
PISO 3	23	83	DERX4 Min	-0.00258	-0.001286	0.000796	0.000397
PISO 3	23	83	DERY1 Max	0.000875	0.011289	0.00027	0.003484
PISO 3	23	83	DERY1 Min	-0.000916	-0.01022	0.000283	0.003154
PISO 3	23	83	DERY2 Max	0.000875	0.011289	0.00027	0.003484
PISO 3	23	83	DERY2 Min	-0.000916	-0.01022	0.000283	0.003154
PISO 3	23	83	DERY3 Max	0.000883	0.011076	0.000273	0.003418
PISO 3	23	83	DERY3 Min	-0.000908	-0.010434	0.00028	0.00322
PISO 3	23	83	DERY4 Max	0.000883	0.011076	0.000273	0.003418
PISO 3	23	83	DERY4 Min	-0.000908	-0.010434	0.00028	0.00322
PISO 3	19	42	DERX1 Max	0.002587	0.002132	0.000528	0.000501
PISO 3	19	42	DERX1 Min	-0.002749	-0.001984	0.000553	0.000458
PISO 3	19	42	DERX2 Max	0.002587	0.002132	0.000528	0.000501
PISO 3	19	42	DERX2 Min	-0.002749	-0.001984	0.000553	0.000458
PISO 3	19	42	DERX3 Max	0.00262	0.002103	0.000533	0.000493
PISO 3	19	42	DERX3 Min	-0.002717	-0.002014	0.000548	0.000466
PISO 3	19	42	DERX4 Max	0.00262	0.002103	0.000533	0.000493

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	19	42	DERX4 Min	-0.002717	-0.002014	0.000548	0.000466
PISO 3	19	42	DERY1 Max	0.001518	0.005707	0.000394	0.00146
PISO 3	19	42	DERY1 Min	-0.00168	-0.005559	0.000418	0.001416
PISO 3	19	42	DERY2 Max	0.001518	0.005707	0.000394	0.00146
PISO 3	19	42	DERY2 Min	-0.00168	-0.005559	0.000418	0.001416
PISO 3	19	42	DERY3 Max	0.001551	0.005677	0.000399	0.001451
PISO 3	19	42	DERY3 Min	-0.001648	-0.005588	0.000413	0.001425
PISO 3	19	42	DERY4 Max	0.001551	0.005677	0.000399	0.001451
PISO 3	19	42	DERY4 Min	-0.001648	-0.005588	0.000413	0.001425
PISO 3	22	76	DERX1 Max	0.002646	0.001648	0.000571	0.000369
PISO 3	22	76	DERX1 Min	-0.00281	-0.001498	0.000597	0.00035
PISO 3	22	76	DERX2 Max	0.002646	0.001648	0.000571	0.000369
PISO 3	22	76	DERX2 Min	-0.00281	-0.001498	0.000597	0.00035
PISO 3	22	76	DERX3 Max	0.002679	0.001618	0.000576	0.000365
PISO 3	22	76	DERX3 Min	-0.002777	-0.001528	0.000592	0.000354
PISO 3	22	76	DERX4 Max	0.002679	0.001618	0.000576	0.000365
PISO 3	22	76	DERX4 Min	-0.002777	-0.001528	0.000592	0.000354
PISO 3	22	76	DERY1 Max	0.001546	0.008153	0.000403	0.001991
PISO 3	22	76	DERY1 Min	-0.001711	-0.008003	0.00043	0.001973
PISO 3	22	76	DERY2 Max	0.001546	0.008153	0.000403	0.001991
PISO 3	22	76	DERY2 Min	-0.001711	-0.008003	0.00043	0.001973
PISO 3	22	76	DERY3 Max	0.001579	0.008123	0.000409	0.001988
PISO 3	22	76	DERY3 Min	-0.001678	-0.008033	0.000425	0.001976
PISO 3	22	76	DERY4 Max	0.001579	0.008123	0.000409	0.001988
PISO 3	22	76	DERY4 Min	-0.001678	-0.008033	0.000425	0.001976
PISO 3	27	82	DERX1 Max	0.002679	0.001645	0.000603	0.000265
PISO 3	27	82	DERX1 Min	-0.002855	-0.001461	0.000634	0.000271
PISO 3	27	82	DERX2 Max	0.002679	0.001645	0.000603	0.000265
PISO 3	27	82	DERX2 Min	-0.002855	-0.001461	0.000634	0.000271
PISO 3	27	82	DERX3 Max	0.002714	0.001608	0.000609	0.000266
PISO 3	27	82	DERX3 Min	-0.00282	-0.001497	0.000628	0.00027
PISO 3	27	82	DERX4 Max	0.002714	0.001608	0.000609	0.000266
PISO 3	27	82	DERX4 Min	-0.00282	-0.001497	0.000628	0.00027
PISO 3	27	82	DERY1 Max	0.001541	0.011238	0.000406	0.00265
PISO 3	27	82	DERY1 Min	-0.001717	-0.011053	0.000437	0.002656
PISO 3	27	82	DERY2 Max	0.001541	0.011238	0.000406	0.00265
PISO 3	27	82	DERY2 Min	-0.001717	-0.011053	0.000437	0.002656
PISO 3	27	82	DERY3 Max	0.001576	0.011201	0.000412	0.002651
PISO 3	27	82	DERY3 Min	-0.001681	-0.01109	0.000431	0.002655
PISO 3	27	82	DERY4 Max	0.001576	0.011201	0.000412	0.002651
PISO 3	27	82	DERY4 Min	-0.001681	-0.01109	0.000431	0.002655
PISO 3	46	123	DERX1 Max	0.002703	0.00247	0.000639	0.000299
PISO 3	46	123	DERX1 Min	-0.002885	-0.002128	0.000673	0.000305
PISO 3	46	123	DERX2 Max	0.002703	0.00247	0.000639	0.000299
PISO 3	46	123	DERX2 Min	-0.002885	-0.002128	0.000673	0.000305

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 3	46	123	DERX3 Max	0.002739	0.002401	0.000646	0.000301
PISO 3	46	123	DERX3 Min	-0.002849	-0.002196	0.000666	0.000304
PISO 3	46	123	DERX4 Max	0.002739	0.002401	0.000646	0.000301
PISO 3	46	123	DERX4 Min	-0.002849	-0.002196	0.000666	0.000304
PISO 3	46	123	DERY1 Max	0.001544	0.0145	0.000415	0.00342
PISO 3	46	123	DERY1 Min	-0.001726	-0.014159	0.000449	0.003425
PISO 3	46	123	DERY2 Max	0.001544	0.0145	0.000415	0.00342
PISO 3	46	123	DERY2 Min	-0.001726	-0.014159	0.000449	0.003425
PISO 3	46	123	DERY3 Max	0.00158	0.014432	0.000422	0.003421
PISO 3	46	123	DERY3 Min	-0.00169	-0.014227	0.000442	0.003424
PISO 3	46	123	DERY4 Max	0.00158	0.014432	0.000422	0.003421
PISO 3	46	123	DERY4 Min	-0.00169	-0.014227	0.000442	0.003424
PISO 2	4	7	DERX1 Max	0.001129	0.001946	0.000256	0.000415
PISO 2	4	7	DERX1 Min	-0.001192	-0.001954	0.000278	0.000403
PISO 2	4	7	DERX2 Max	0.001129	0.001946	0.000256	0.000415
PISO 2	4	7	DERX2 Min	-0.001192	-0.001954	0.000278	0.000403
PISO 2	4	7	DERX3 Max	0.001141	0.001947	0.000261	0.000412
PISO 2	4	7	DERX3 Min	-0.001179	-0.001952	0.000274	0.000405
PISO 2	4	7	DERX4 Max	0.001141	0.001947	0.000261	0.000412
PISO 2	4	7	DERX4 Min	-0.001179	-0.001952	0.000274	0.000405
PISO 2	4	7	DERY1 Max	0.001162	0.002858	0.000251	0.000601
PISO 2	4	7	DERY1 Min	-0.001225	-0.002866	0.000272	0.000589
PISO 2	4	7	DERY2 Max	0.001162	0.002858	0.000251	0.000601
PISO 2	4	7	DERY2 Min	-0.001225	-0.002866	0.000272	0.000589
PISO 2	4	7	DERY3 Max	0.001175	0.00286	0.000255	0.000598
PISO 2	4	7	DERY3 Min	-0.001212	-0.002865	0.000268	0.000591
PISO 2	4	7	DERY4 Max	0.001175	0.00286	0.000255	0.000598
PISO 2	4	7	DERY4 Min	-0.001212	-0.002865	0.000268	0.000591
PISO 2	5	9	DERX1 Max	0.0011	0.001117	0.000247	0.000231
PISO 2	5	9	DERX1 Min	-0.001151	-0.001101	0.000261	0.000227
PISO 2	5	9	DERX2 Max	0.0011	0.001117	0.000247	0.000231
PISO 2	5	9	DERX2 Min	-0.001151	-0.001101	0.000261	0.000227
PISO 2	5	9	DERX3 Max	0.00111	0.001114	0.00025	0.00023
PISO 2	5	9	DERX3 Min	-0.00114	-0.001104	0.000258	0.000228
PISO 2	5	9	DERX4 Max	0.00111	0.001114	0.00025	0.00023
PISO 2	5	9	DERX4 Min	-0.00114	-0.001104	0.000258	0.000228
PISO 2	5	9	DERY1 Max	0.001086	0.001772	0.000216	0.000376
PISO 2	5	9	DERY1 Min	-0.001136	-0.001756	0.00023	0.000372
PISO 2	5	9	DERY2 Max	0.001086	0.001772	0.000216	0.000376
PISO 2	5	9	DERY2 Min	-0.001136	-0.001756	0.00023	0.000372
PISO 2	5	9	DERY3 Max	0.001096	0.001769	0.000219	0.000375
PISO 2	5	9	DERY3 Min	-0.001126	-0.00176	0.000227	0.000373
PISO 2	5	9	DERY4 Max	0.001096	0.001769	0.000219	0.000375
PISO 2	5	9	DERY4 Min	-0.001126	-0.00176	0.000227	0.000373
PISO 2	7	13	DERX1 Max	0.001119	0.000491	0.000251	0.000145

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	7	13	DERX1 Min	-0.001163	-0.000497	0.000259	0.000149
PISO 2	7	13	DERX2 Max	0.001119	0.000491	0.000251	0.000145
PISO 2	7	13	DERX2 Min	-0.001163	-0.000497	0.000259	0.000149
PISO 2	7	13	DERX3 Max	0.001127	0.000493	0.000253	0.000146
PISO 2	7	13	DERX3 Min	-0.001154	-0.000496	0.000258	0.000148
PISO 2	7	13	DERX4 Max	0.001127	0.000493	0.000253	0.000146
PISO 2	7	13	DERX4 Min	-0.001154	-0.000496	0.000258	0.000148
PISO 2	7	13	DERY1 Max	0.00102	0.000911	0.000183	0.000273
PISO 2	7	13	DERY1 Min	-0.001064	-0.000917	0.000192	0.000276
PISO 2	7	13	DERY2 Max	0.00102	0.000911	0.000183	0.000273
PISO 2	7	13	DERY2 Min	-0.001064	-0.000917	0.000192	0.000276
PISO 2	7	13	DERY3 Max	0.001029	0.000912	0.000185	0.000273
PISO 2	7	13	DERY3 Min	-0.001055	-0.000916	0.00019	0.000276
PISO 2	7	13	DERY4 Max	0.001029	0.000912	0.000185	0.000273
PISO 2	7	13	DERY4 Min	-0.001055	-0.000916	0.00019	0.000276
PISO 2	8	15	DERX1 Max	0.000925	0.000505	0.000246	0.000145
PISO 2	8	15	DERX1 Min	-0.000975	-0.0005	0.000258	0.000148
PISO 2	8	15	DERX2 Max	0.000925	0.000505	0.000246	0.000145
PISO 2	8	15	DERX2 Min	-0.000975	-0.0005	0.000258	0.000148
PISO 2	8	15	DERX3 Max	0.000935	0.000504	0.000248	0.000146
PISO 2	8	15	DERX3 Min	-0.000965	-0.000501	0.000255	0.000148
PISO 2	8	15	DERX4 Max	0.000935	0.000504	0.000248	0.000146
PISO 2	8	15	DERX4 Min	-0.000965	-0.000501	0.000255	0.000148
PISO 2	8	15	DERY1 Max	0.000401	0.000948	0.000104	0.000274
PISO 2	8	15	DERY1 Min	-0.00045	-0.000943	0.000115	0.000277
PISO 2	8	15	DERY2 Max	0.000401	0.000948	0.000104	0.000274
PISO 2	8	15	DERY2 Min	-0.00045	-0.000943	0.000115	0.000277
PISO 2	8	15	DERY3 Max	0.000411	0.000947	0.000106	0.000274
PISO 2	8	15	DERY3 Min	-0.00044	-0.000944	0.000113	0.000277
PISO 2	8	15	DERY4 Max	0.000411	0.000947	0.000106	0.000274
PISO 2	8	15	DERY4 Min	-0.00044	-0.000944	0.000113	0.000277
PISO 2	9	17	DERX1 Max	0.000876	0.000103	0.000254	6E-06
PISO 2	9	17	DERX1 Min	-0.000932	-0.000109	0.000277	2E-05
PISO 2	9	17	DERX2 Max	0.000876	0.000103	0.000254	6E-06
PISO 2	9	17	DERX2 Min	-0.000932	-0.000109	0.000277	2E-05
PISO 2	9	17	DERX3 Max	0.000887	0.000104	0.000259	9E-06
PISO 2	9	17	DERX3 Min	-0.00092	-0.000108	0.000272	1.7E-05
PISO 2	9	17	DERX4 Max	0.000887	0.000104	0.000259	9E-06
PISO 2	9	17	DERX4 Min	-0.00092	-0.000108	0.000272	1.7E-05
PISO 2	9	17	DERY1 Max	0.000402	0.000281	0.000117	3.6E-05
PISO 2	9	17	DERY1 Min	-0.000458	-0.000287	0.00014	5E-05
PISO 2	9	17	DERY2 Max	0.000402	0.000281	0.000117	3.6E-05
PISO 2	9	17	DERY2 Min	-0.000458	-0.000287	0.00014	5E-05
PISO 2	9	17	DERY3 Max	0.000413	0.000282	0.000122	3.9E-05
PISO 2	9	17	DERY3 Min	-0.000447	-0.000286	0.000135	4.8E-05

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	9	17	DERY4 Max	0.000413	0.000282	0.000122	3.9E-05
PISO 2	9	17	DERY4 Min	-0.000447	-0.000286	0.000135	4.8E-05
PISO 2	10	19	DERX1 Max	0.001136	0.000101	0.000351	3.1E-05
PISO 2	10	19	DERX1 Min	-0.001175	-8.1E-05	0.000363	2.5E-05
PISO 2	10	19	DERX2 Max	0.001136	0.000101	0.000351	3.1E-05
PISO 2	10	19	DERX2 Min	-0.001175	-8.1E-05	0.000363	2.5E-05
PISO 2	10	19	DERX3 Max	0.001144	9.7E-05	0.000353	3E-05
PISO 2	10	19	DERX3 Min	-0.001167	-8.5E-05	0.00036	2.6E-05
PISO 2	10	19	DERX4 Max	0.001144	9.7E-05	0.000353	3E-05
PISO 2	10	19	DERX4 Min	-0.001167	-8.5E-05	0.00036	2.6E-05
PISO 2	10	19	DERY1 Max	0.001017	0.000306	0.000314	9.5E-05
PISO 2	10	19	DERY1 Min	-0.001055	-0.000286	0.000326	8.8E-05
PISO 2	10	19	DERY2 Max	0.001017	0.000306	0.000314	9.5E-05
PISO 2	10	19	DERY2 Min	-0.001055	-0.000286	0.000326	8.8E-05
PISO 2	10	19	DERY3 Max	0.001025	0.000302	0.000316	9.3E-05
PISO 2	10	19	DERY3 Min	-0.001048	-0.00029	0.000323	8.9E-05
PISO 2	10	19	DERY4 Max	0.001025	0.000302	0.000316	9.3E-05
PISO 2	10	19	DERY4 Min	-0.001048	-0.00029	0.000323	8.9E-05
PISO 2	20	108	DERX1 Max	0.001104	0.000694	0.000247	0.00017
PISO 2	20	108	DERX1 Min	-0.001149	-0.000691	0.000256	0.000173
PISO 2	20	108	DERX2 Max	0.001104	0.000694	0.000247	0.00017
PISO 2	20	108	DERX2 Min	-0.001149	-0.000691	0.000256	0.000173
PISO 2	20	108	DERX3 Max	0.001113	0.000694	0.000249	0.000171
PISO 2	20	108	DERX3 Min	-0.00114	-0.000692	0.000254	0.000173
PISO 2	20	108	DERX4 Max	0.001113	0.000694	0.000249	0.000171
PISO 2	20	108	DERX4 Min	-0.00114	-0.000692	0.000254	0.000173
PISO 2	20	108	DERY1 Max	0.001026	0.001204	0.000188	0.000306
PISO 2	20	108	DERY1 Min	-0.001071	-0.001201	0.000197	0.000309
PISO 2	20	108	DERY2 Max	0.001026	0.001204	0.000188	0.000306
PISO 2	20	108	DERY2 Min	-0.001071	-0.001201	0.000197	0.000309
PISO 2	20	108	DERY3 Max	0.001035	0.001204	0.00019	0.000306
PISO 2	20	108	DERY3 Min	-0.001062	-0.001202	0.000195	0.000308
PISO 2	20	108	DERY4 Max	0.001035	0.001204	0.00019	0.000306
PISO 2	20	108	DERY4 Min	-0.001062	-0.001202	0.000195	0.000308
PISO 2	39	168	DERX1 Max	0.00117	0.001928	0.000285	0.000412
PISO 2	39	168	DERX1 Min	-0.001267	-0.001958	0.0003	0.000404
PISO 2	39	168	DERX2 Max	0.00117	0.001928	0.000285	0.000412
PISO 2	39	168	DERX2 Min	-0.001267	-0.001958	0.0003	0.000404
PISO 2	39	168	DERX3 Max	0.001189	0.001934	0.000288	0.00041
PISO 2	39	168	DERX3 Min	-0.001248	-0.001952	0.000297	0.000406
PISO 2	39	168	DERX4 Max	0.001189	0.001934	0.000288	0.00041
PISO 2	39	168	DERX4 Min	-0.001248	-0.001952	0.000297	0.000406
PISO 2	39	168	DERY1 Max	0.000354	0.002826	0.000101	0.000595
PISO 2	39	168	DERY1 Min	-0.000451	-0.002856	0.000115	0.000588
PISO 2	39	168	DERY2 Max	0.000354	0.002826	0.000101	0.000595

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	39	168	DERY2 Min	-0.000451	-0.002856	0.000115	0.000588
PISO 2	39	168	DERY3 Max	0.000373	0.002832	0.000104	0.000594
PISO 2	39	168	DERY3 Min	-0.000432	-0.00285	0.000112	0.000589
PISO 2	39	168	DERY4 Max	0.000373	0.002832	0.000104	0.000594
PISO 2	39	168	DERY4 Min	-0.000432	-0.00285	0.000112	0.000589
PISO 2	19	55	DERX1 Max	0.000888	0.000535	0.000274	0.000165
PISO 2	19	55	DERX1 Min	-0.000969	-0.000528	0.000299	0.000163
PISO 2	19	55	DERX2 Max	0.000888	0.000535	0.000274	0.000165
PISO 2	19	55	DERX2 Min	-0.000969	-0.000528	0.000299	0.000163
PISO 2	19	55	DERX3 Max	0.000904	0.000534	0.000279	0.000165
PISO 2	19	55	DERX3 Min	-0.000953	-0.00053	0.000294	0.000163
PISO 2	19	55	DERX4 Max	0.000904	0.000534	0.000279	0.000165
PISO 2	19	55	DERX4 Min	-0.000953	-0.00053	0.000294	0.000163
PISO 2	19	55	DERY1 Max	0.000285	0.001049	8.8E-05	0.000324
PISO 2	19	55	DERY1 Min	-0.000366	-0.001042	0.000113	0.000322
PISO 2	19	55	DERY2 Max	0.000285	0.001049	8.8E-05	0.000324
PISO 2	19	55	DERY2 Min	-0.000366	-0.001042	0.000113	0.000322
PISO 2	19	55	DERY3 Max	0.000301	0.001048	9.3E-05	0.000323
PISO 2	19	55	DERY3 Min	-0.00035	-0.001044	0.000108	0.000322
PISO 2	19	55	DERY4 Max	0.000301	0.001048	9.3E-05	0.000323
PISO 2	19	55	DERY4 Min	-0.00035	-0.001044	0.000108	0.000322
PISO 2	22	73	DERX1 Max	0.000809	0.000643	0.00025	0.000198
PISO 2	22	73	DERX1 Min	-0.000887	-0.000554	0.000274	0.000171
PISO 2	22	73	DERX2 Max	0.000809	0.000643	0.00025	0.000198
PISO 2	22	73	DERX2 Min	-0.000887	-0.000554	0.000274	0.000171
PISO 2	22	73	DERX3 Max	0.000825	0.000625	0.000255	0.000193
PISO 2	22	73	DERX3 Min	-0.000872	-0.000572	0.000269	0.000176
PISO 2	22	73	DERX4 Max	0.000825	0.000625	0.000255	0.000193
PISO 2	22	73	DERX4 Min	-0.000872	-0.000572	0.000269	0.000176
PISO 2	22	73	DERY1 Max	0.000274	0.001824	8.5E-05	0.000563
PISO 2	22	73	DERY1 Min	-0.000352	-0.001736	0.000109	0.000536
PISO 2	22	73	DERY2 Max	0.000274	0.001824	8.5E-05	0.000563
PISO 2	22	73	DERY2 Min	-0.000352	-0.001736	0.000109	0.000536
PISO 2	22	73	DERY3 Max	0.000289	0.001807	8.9E-05	0.000558
PISO 2	22	73	DERY3 Min	-0.000336	-0.001753	0.000104	0.000541
PISO 2	22	73	DERY4 Max	0.000289	0.001807	8.9E-05	0.000558
PISO 2	22	73	DERY4 Min	-0.000336	-0.001753	0.000104	0.000541
PISO 2	27	77	DERX1 Max	0.000739	0.001109	0.000228	0.000342
PISO 2	27	77	DERX1 Min	-0.000815	-0.000904	0.000251	0.000279
PISO 2	27	77	DERX2 Max	0.000739	0.001109	0.000228	0.000342
PISO 2	27	77	DERX2 Min	-0.000815	-0.000904	0.000251	0.000279
PISO 2	27	77	DERX3 Max	0.000754	0.001068	0.000233	0.00033
PISO 2	27	77	DERX3 Min	-0.0008	-0.000945	0.000247	0.000292
PISO 2	27	77	DERX4 Max	0.000754	0.001068	0.000233	0.00033
PISO 2	27	77	DERX4 Min	-0.0008	-0.000945	0.000247	0.000292



Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 2	27	77	DERY1 Max	0.000258	0.002918	8E-05	0.000901
PISO 2	27	77	DERY1 Min	-0.000334	-0.002713	0.000103	0.000837
PISO 2	27	77	DERY2 Max	0.000258	0.002918	8E-05	0.000901
PISO 2	27	77	DERY2 Min	-0.000334	-0.002713	0.000103	0.000837
PISO 2	27	77	DERY3 Max	0.000273	0.002877	8.4E-05	0.000888
PISO 2	27	77	DERY3 Min	-0.000319	-0.002754	9.8E-05	0.00085
PISO 2	27	77	DERY4 Max	0.000273	0.002877	8.4E-05	0.000888
PISO 2	27	77	DERY4 Min	-0.000319	-0.002754	9.8E-05	0.00085
PISO 2	46	121	DERX1 Max	0.000646	0.001695	0.000199	0.000523
PISO 2	46	121	DERX1 Min	-0.00072	-0.001335	0.000222	0.000412
PISO 2	46	121	DERX2 Max	0.000646	0.001695	0.000199	0.000523
PISO 2	46	121	DERX2 Min	-0.00072	-0.001335	0.000222	0.000412
PISO 2	46	121	DERX3 Max	0.00066	0.001623	0.000204	0.000501
PISO 2	46	121	DERX3 Min	-0.000705	-0.001407	0.000218	0.000434
PISO 2	46	121	DERX4 Max	0.00066	0.001623	0.000204	0.000501
PISO 2	46	121	DERX4 Min	-0.000705	-0.001407	0.000218	0.000434
PISO 2	46	121	DERY1 Max	0.000235	0.003787	7.3E-05	0.001169
PISO 2	46	121	DERY1 Min	-0.000309	-0.003427	9.5E-05	0.001058
PISO 2	46	121	DERY2 Max	0.000235	0.003787	7.3E-05	0.001169
PISO 2	46	121	DERY2 Min	-0.000309	-0.003427	9.5E-05	0.001058
PISO 2	46	121	DERY3 Max	0.00025	0.003715	7.7E-05	0.001147
PISO 2	46	121	DERY3 Min	-0.000295	-0.003499	9.1E-05	0.00108
PISO 2	46	121	DERY4 Max	0.00025	0.003715	7.7E-05	0.001147
PISO 2	46	121	DERY4 Min	-0.000295	-0.003499	9.1E-05	0.00108
PISO 1	4	58	DERX1 Max	0.000372	0.00068	0.000133	0.000243
PISO 1	4	58	DERX1 Min	-0.000365	-0.000725	0.00013	0.000259
PISO 1	4	58	DERX2 Max	0.000372	0.00068	0.000133	0.000243
PISO 1	4	58	DERX2 Min	-0.000365	-0.000725	0.00013	0.000259
PISO 1	4	58	DERX3 Max	0.000371	0.000689	0.000132	0.000246
PISO 1	4	58	DERX3 Min	-0.000366	-0.000716	0.000131	0.000256
PISO 1	4	58	DERX4 Max	0.000371	0.000689	0.000132	0.000246
PISO 1	4	58	DERX4 Min	-0.000366	-0.000716	0.000131	0.000256
PISO 1	4	58	DERY1 Max	0.000491	0.00104	0.000175	0.000371
PISO 1	4	58	DERY1 Min	-0.000483	-0.001086	0.000173	0.000388
PISO 1	4	58	DERY2 Max	0.000491	0.00104	0.000175	0.000371
PISO 1	4	58	DERY2 Min	-0.000483	-0.001086	0.000173	0.000388
PISO 1	4	58	DERY3 Max	0.000489	0.001049	0.000175	0.000375
PISO 1	4	58	DERY3 Min	-0.000485	-0.001077	0.000173	0.000385
PISO 1	4	58	DERY4 Max	0.000489	0.001049	0.000175	0.000375
PISO 1	4	58	DERY4 Min	-0.000485	-0.001077	0.000173	0.000385
PISO 1	5	59	DERX1 Max	0.000359	0.00037	0.000128	0.000132
PISO 1	5	59	DERX1 Min	-0.000364	-0.000368	0.00013	0.000131
PISO 1	5	59	DERX2 Max	0.000359	0.00037	0.000128	0.000132
PISO 1	5	59	DERX2 Min	-0.000364	-0.000368	0.00013	0.000131
PISO 1	5	59	DERX3 Max	0.00036	0.000369	0.000129	0.000132

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 1	5	59	DERX3 Min	-0.000363	-0.000368	0.00013	0.000131
PISO 1	5	59	DERX4 Max	0.00036	0.000369	0.000129	0.000132
PISO 1	5	59	DERX4 Min	-0.000363	-0.000368	0.00013	0.000131
PISO 1	5	59	DERY1 Max	0.000481	0.000565	0.000172	0.000202
PISO 1	5	59	DERY1 Min	-0.000486	-0.000563	0.000174	0.000201
PISO 1	5	59	DERY2 Max	0.000481	0.000565	0.000172	0.000202
PISO 1	5	59	DERY2 Min	-0.000486	-0.000563	0.000174	0.000201
PISO 1	5	59	DERY3 Max	0.000482	0.000565	0.000172	0.000202
PISO 1	5	59	DERY3 Min	-0.000485	-0.000563	0.000173	0.000201
PISO 1	5	59	DERY4 Max	0.000482	0.000565	0.000172	0.000202
PISO 1	5	59	DERY4 Min	-0.000485	-0.000563	0.000173	0.000201
PISO 1	7	61	DERX1 Max	0.000354	2.7E-05	0.000126	1E-05
PISO 1	7	61	DERX1 Min	-0.000371	-2.1E-05	0.000133	7E-06
PISO 1	7	61	DERX2 Max	0.000354	2.7E-05	0.000126	1E-05
PISO 1	7	61	DERX2 Min	-0.000371	-2.1E-05	0.000133	7E-06
PISO 1	7	61	DERX3 Max	0.000358	2.6E-05	0.000128	9E-06
PISO 1	7	61	DERX3 Min	-0.000368	-2.2E-05	0.000131	8E-06
PISO 1	7	61	DERX4 Max	0.000358	2.6E-05	0.000128	9E-06
PISO 1	7	61	DERX4 Min	-0.000368	-2.2E-05	0.000131	8E-06
PISO 1	7	61	DERY1 Max	0.000475	4.5E-05	0.00017	1.6E-05
PISO 1	7	61	DERY1 Min	-0.000492	-3.8E-05	0.000176	1.4E-05
PISO 1	7	61	DERY2 Max	0.000475	4.5E-05	0.00017	1.6E-05
PISO 1	7	61	DERY2 Min	-0.000492	-3.8E-05	0.000176	1.4E-05
PISO 1	7	61	DERY3 Max	0.000479	4.3E-05	0.000171	1.5E-05
PISO 1	7	61	DERY3 Min	-0.000489	-4E-05	0.000175	1.4E-05
PISO 1	7	61	DERY4 Max	0.000479	4.3E-05	0.000171	1.5E-05
PISO 1	7	61	DERY4 Min	-0.000489	-4E-05	0.000175	1.4E-05
PISO 1	8	62	DERX1 Max	0.00013	5.1E-05	4.7E-05	1.8E-05
PISO 1	8	62	DERX1 Min	-0.000141	-3.4E-05	5.1E-05	1.2E-05
PISO 1	8	62	DERX2 Max	0.00013	5.1E-05	4.7E-05	1.8E-05
PISO 1	8	62	DERX2 Min	-0.000141	-3.4E-05	5.1E-05	1.2E-05
PISO 1	8	62	DERX3 Max	0.000133	4.7E-05	4.7E-05	1.7E-05
PISO 1	8	62	DERX3 Min	-0.000139	-3.7E-05	5E-05	1.3E-05
PISO 1	8	62	DERX4 Max	0.000133	4.7E-05	4.7E-05	1.7E-05
PISO 1	8	62	DERX4 Min	-0.000139	-3.7E-05	5E-05	1.3E-05
PISO 1	8	62	DERY1 Max	6.8E-05	7.2E-05	2.4E-05	2.6E-05
PISO 1	8	62	DERY1 Min	-7.9E-05	-5.5E-05	2.8E-05	2E-05
PISO 1	8	62	DERY2 Max	6.8E-05	7.2E-05	2.4E-05	2.6E-05
PISO 1	8	62	DERY2 Min	-7.9E-05	-5.5E-05	2.8E-05	2E-05
PISO 1	8	62	DERY3 Max	7E-05	6.9E-05	2.5E-05	2.5E-05
PISO 1	8	62	DERY3 Min	-7.7E-05	-5.9E-05	2.7E-05	2.1E-05
PISO 1	8	62	DERY4 Max	7E-05	6.9E-05	2.5E-05	2.5E-05
PISO 1	8	62	DERY4 Min	-7.7E-05	-5.9E-05	2.7E-05	2.1E-05
PISO 1	9	63	DERX1 Max	5.3E-05	8.8E-05	1.9E-05	3.1E-05
PISO 1	9	63	DERX1 Min	-3.5E-05	-4.8E-05	1.2E-05	1.7E-05

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 1	9	63	DERX2 Max	5.3E-05	8.8E-05	1.9E-05	3.1E-05
PISO 1	9	63	DERX2 Min	-3.5E-05	-4.8E-05	1.2E-05	1.7E-05
PISO 1	9	63	DERX3 Max	5E-05	8E-05	1.8E-05	2.9E-05
PISO 1	9	63	DERX3 Min	-3.8E-05	-5.6E-05	1.4E-05	2E-05
PISO 1	9	63	DERX4 Max	5E-05	8E-05	1.8E-05	2.9E-05
PISO 1	9	63	DERX4 Min	-3.8E-05	-5.6E-05	1.4E-05	2E-05
PISO 1	9	63	DERY1 Max	3.5E-05	0.000164	1.2E-05	5.9E-05
PISO 1	9	63	DERY1 Min	-1.6E-05	-0.000125	6E-06	4.5E-05
PISO 1	9	63	DERY2 Max	3.5E-05	0.000164	1.2E-05	5.9E-05
PISO 1	9	63	DERY2 Min	-1.6E-05	-0.000125	6E-06	4.5E-05
PISO 1	9	63	DERY3 Max	3.1E-05	0.000157	1.1E-05	5.6E-05
PISO 1	9	63	DERY3 Min	-2E-05	-0.000133	7E-06	4.7E-05
PISO 1	9	63	DERY4 Max	3.1E-05	0.000157	1.1E-05	5.6E-05
PISO 1	9	63	DERY4 Min	-2E-05	-0.000133	7E-06	4.7E-05
PISO 1	20	110	DERX1 Max	0.000353	0.000145	0.000126	5.2E-05
PISO 1	20	110	DERX1 Min	-0.00037	-0.000133	0.000132	4.7E-05
PISO 1	20	110	DERX2 Max	0.000353	0.000145	0.000126	5.2E-05
PISO 1	20	110	DERX2 Min	-0.00037	-0.000133	0.000132	4.7E-05
PISO 1	20	110	DERX3 Max	0.000357	0.000143	0.000127	5.1E-05
PISO 1	20	110	DERX3 Min	-0.000367	-0.000135	0.000131	4.8E-05
PISO 1	20	110	DERX4 Max	0.000357	0.000143	0.000127	5.1E-05
PISO 1	20	110	DERX4 Min	-0.000367	-0.000135	0.000131	4.8E-05
PISO 1	20	110	DERY1 Max	0.000476	0.000224	0.00017	8E-05
PISO 1	20	110	DERY1 Min	-0.000493	-0.000212	0.000176	7.6E-05
PISO 1	20	110	DERY2 Max	0.000476	0.000224	0.00017	8E-05
PISO 1	20	110	DERY2 Min	-0.000493	-0.000212	0.000176	7.6E-05
PISO 1	20	110	DERY3 Max	0.000479	0.000222	0.000171	7.9E-05
PISO 1	20	110	DERY3 Min	-0.000489	-0.000214	0.000175	7.7E-05
PISO 1	20	110	DERY4 Max	0.000479	0.000222	0.000171	7.9E-05
PISO 1	20	110	DERY4 Min	-0.000489	-0.000214	0.000175	7.7E-05
PISO 1	39	323	DERX1 Max	0.000262	0.000671	9.3E-05	0.00024
PISO 1	39	323	DERX1 Min	-0.000312	-0.000726	0.000111	0.000259
PISO 1	39	323	DERX2 Max	0.000262	0.000671	9.3E-05	0.00024
PISO 1	39	323	DERX2 Min	-0.000312	-0.000726	0.000111	0.000259
PISO 1	39	323	DERX3 Max	0.000272	0.000682	9.7E-05	0.000244
PISO 1	39	323	DERX3 Min	-0.000302	-0.000715	0.000108	0.000255
PISO 1	39	323	DERX4 Max	0.000272	0.000682	9.7E-05	0.000244
PISO 1	39	323	DERX4 Min	-0.000302	-0.000715	0.000108	0.000255
PISO 1	39	323	DERY1 Max	0.000109	0.001027	3.9E-05	0.000367
PISO 1	39	323	DERY1 Min	-0.000159	-0.001082	5.7E-05	0.000386
PISO 1	39	323	DERY2 Max	0.000109	0.001027	3.9E-05	0.000367
PISO 1	39	323	DERY2 Min	-0.000159	-0.001082	5.7E-05	0.000386
PISO 1	39	323	DERY3 Max	0.000119	0.001038	4.3E-05	0.000371
PISO 1	39	323	DERY3 Min	-0.000149	-0.001071	5.3E-05	0.000382
PISO 1	39	323	DERY4 Max	0.000119	0.001038	4.3E-05	0.000371

Table 1.1 - Joint Drifts (continued)

Story	Label	Unique Name	Load Case/Combo	Displacement X m	Displacement Y m	Drift X	Drift Y
PISO 1	39	323	DERY4 Min	-0.000149	-0.001071	5.3E-05	0.000382

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 3	23	83	DERY1 Max	0.000875	0.011289	0.00027	0.003484	0.349%
PISO 3	23	83	DERY2 Max	0.000875	0.011289	0.00027	0.003484	0.349%
PISO 3	21	81	DERY1 Max	0.002023	0.011279	0.000624	0.003481	0.354%
PISO 3	21	81	DERY2 Max	0.002023	0.011279	0.000624	0.003481	0.354%
PISO 3	46	123	DERY1 Min	-0.001726	-0.014159	0.000449	0.003425	0.345%
PISO 3	46	123	DERY2 Min	-0.001726	-0.014159	0.000449	0.003425	0.345%
PISO 3	46	123	DERY3 Min	-0.00169	-0.014227	0.000442	0.003424	0.345%
PISO 3	46	123	DERY4 Min	-0.00169	-0.014227	0.000442	0.003424	0.345%
PISO 3	46	123	DERY3 Max	0.00158	0.014432	0.000422	0.003421	0.345%
PISO 3	46	123	DERY4 Max	0.00158	0.014432	0.000422	0.003421	0.345%
PISO 3	46	123	DERY1 Max	0.001544	0.0145	0.000415	0.00342	0.345%
PISO 3	46	123	DERY2 Max	0.001544	0.0145	0.000415	0.00342	0.345%
PISO 3	23	83	DERY3 Max	0.000883	0.011076	0.000273	0.003418	0.343%
PISO 3	23	83	DERY4 Max	0.000883	0.011076	0.000273	0.003418	0.343%
PISO 3	21	81	DERY3 Max	0.001991	0.01107	0.000615	0.003417	0.347%
PISO 3	21	81	DERY4 Max	0.001991	0.01107	0.000615	0.003417	0.347%
PISO 3	21	81	DERY3 Min	-0.001896	-0.010441	0.000585	0.003223	0.328%
PISO 3	21	81	DERY4 Min	-0.001896	-0.010441	0.000585	0.003223	0.328%
PISO 3	23	83	DERY3 Min	-0.000908	-0.010434	0.00028	0.00322	0.323%
PISO 3	23	83	DERY4 Min	-0.000908	-0.010434	0.00028	0.00322	0.323%
PISO 3	21	81	DERY1 Min	-0.001864	-0.010232	0.000575	0.003158	0.321%
PISO 3	21	81	DERY2 Min	-0.001864	-0.010232	0.000575	0.003158	0.321%
PISO 3	23	83	DERY1 Min	-0.000916	-0.01022	0.000283	0.003154	0.317%
PISO 3	23	83	DERY2 Min	-0.000916	-0.01022	0.000283	0.003154	0.317%
CUB	16	52	DERY1 Max	0.003995	0.02114	0.000488	0.003124	0.316%
CUB	16	52	DERY2 Max	0.003995	0.02114	0.000488	0.003124	0.316%
PISO 3	15	30	DERY1 Max	0.000873	0.009968	0.00027	0.003076	0.309%
PISO 3	15	30	DERY2 Max	0.000873	0.009968	0.00027	0.003076	0.309%
PISO 3	16	32	DERY1 Max	0.002027	0.009952	0.000626	0.003071	0.313%
PISO 3	16	32	DERY2 Max	0.002027	0.009952	0.000626	0.003071	0.313%
CUB	21	122	DERY1 Max	0.003925	0.023729	0.000462	0.00305	0.308%
CUB	21	122	DERY2 Max	0.003925	0.023729	0.000462	0.00305	0.308%
PISO 3	15	30	DERY3 Max	0.000882	0.009796	0.000272	0.003023	0.304%
PISO 3	15	30	DERY4 Max	0.000882	0.009796	0.000272	0.003023	0.304%
PISO 3	16	32	DERY3 Max	0.001996	0.009782	0.000616	0.003019	0.308%
PISO 3	16	32	DERY4 Max	0.001996	0.009782	0.000616	0.003019	0.308%
CUB	16	52	DERY3 Max	0.003935	0.020705	0.000481	0.002998	0.304%
CUB	16	52	DERY4 Max	0.003935	0.020705	0.000481	0.002998	0.304%
CUB	21	122	DERY3 Max	0.003868	0.023249	0.000466	0.002957	0.299%
CUB	21	122	DERY4 Max	0.003868	0.023249	0.000466	0.002957	0.299%
CUB	23	124	DERY1 Max	0.00155	0.023704	0.000149	0.002873	0.288%
CUB	23	124	DERY2 Max	0.00155	0.023704	0.000149	0.002873	0.288%
PISO 3	15	30	DERY3 Min	-0.000908	-0.009281	0.00028	0.002864	0.288%
PISO 3	15	30	DERY4 Min	-0.000908	-0.009281	0.00028	0.002864	0.288%
PISO 3	16	32	DERY3 Min	-0.001901	-0.009273	0.000587	0.002862	0.292%
PISO 3	16	32	DERY4 Min	-0.001901	-0.009273	0.000587	0.002862	0.292%
CUB	23	124	DERY3 Max	0.00154	0.023229	0.000162	0.002844	0.285%
CUB	23	124	DERY4 Max	0.00154	0.023229	0.000162	0.002844	0.285%
PISO 3	15	30	DERY1 Min	-0.000917	-0.009109	0.000283	0.002811	0.283%
PISO 3	15	30	DERY2 Min	-0.000917	-0.009109	0.000283	0.002811	0.283%
PISO 3	16	32	DERY1 Min	-0.00187	-0.009103	0.000577	0.00281	0.287%
PISO 3	16	32	DERY2 Min	-0.00187	-0.009103	0.000577	0.00281	0.287%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
CUB	23	124	DERY3 Min	-0.00151	-0.021803	0.000201	0.002759	0.277%
CUB	23	124	DERY4 Min	-0.00151	-0.021803	0.000201	0.002759	0.277%
CUB	23	124	DERY1 Min	-0.001501	-0.021328	0.000214	0.002731	0.274%
CUB	23	124	DERY2 Min	-0.001501	-0.021328	0.000214	0.002731	0.274%
CUB	14	50	DERY1 Max	0.004073	0.01836	0.000515	0.002715	0.276%
CUB	14	50	DERY2 Max	0.004073	0.01836	0.000515	0.002715	0.276%
PISO 3	13	26	DERY1 Max	0.00087	0.008707	0.000268	0.002687	0.270%
PISO 3	13	26	DERY2 Max	0.00087	0.008707	0.000268	0.002687	0.270%
PISO 3	14	28	DERY1 Max	0.002032	0.008692	0.000627	0.002683	0.276%
PISO 3	14	28	DERY2 Max	0.002032	0.008692	0.000627	0.002683	0.276%
CUB	21	122	DERY3 Min	-0.02181	-0.003696	-0.02181	0.000479	0.272%
CUB	21	122	DERY4 Min	-0.003696	-0.02181	0.000479	0.002677	0.272%
CUB	15	51	DERY1 Max	0.001518	0.021187	0.000213	0.002659	0.267%
CUB	15	51	DERY2 Max	0.001518	0.021187	0.000213	0.002659	0.267%
PISO 3	27	82	DERY1 Min	-0.001717	-0.011053	0.000437	0.002656	0.269%
PISO 3	27	82	DERY2 Min	-0.001717	-0.011053	0.000437	0.002656	0.269%
PISO 3	27	82	DERY3 Min	-0.001681	-0.01109	0.000431	0.002655	0.269%
PISO 3	27	82	DERY4 Min	-0.001681	-0.01109	0.000431	0.002655	0.269%
PISO 3	27	82	DERY3 Max	0.001576	0.011201	0.000412	0.002651	0.268%
PISO 3	27	82	DERY4 Max	0.001576	0.011201	0.000412	0.002651	0.268%
PISO 3	27	82	DERY1 Max	0.001541	0.011238	0.000406	0.00265	0.268%
PISO 3	27	82	DERY2 Max	0.001541	0.011238	0.000406	0.00265	0.268%
PISO 3	13	26	DERY3 Max	0.000877	0.008573	0.000271	0.002646	0.266%
PISO 3	13	26	DERY4 Max	0.000877	0.008573	0.000271	0.002646	0.266%
PISO 3	14	28	DERY3 Max	0.002002	0.008561	0.000618	0.002642	0.271%
PISO 3	14	28	DERY4 Max	0.002002	0.008561	0.000618	0.002642	0.271%
PISO 3A	4	94	DERY1 Max	0.010641	0.012064	0.001434	0.002632	0.300%
PISO 3A	4	94	DERY2 Max	0.010641	0.012064	0.001434	0.002632	0.300%
CUB	15	51	DERY3 Max	0.00151	0.020754	0.000188	0.002619	0.263%
CUB	15	51	DERY4 Max	0.00151	0.020754	0.000188	0.002619	0.263%
CUB	16	52	DERY3 Min	-0.003755	-0.019397	0.000459	0.002619	0.266%
CUB	16	52	DERY4 Min	-0.003755	-0.019397	0.000459	0.002619	0.266%
CUB	14	50	DERY3 Max	0.004009	0.017975	0.000506	0.002591	0.264%
CUB	14	50	DERY4 Max	0.004009	0.017975	0.000506	0.002591	0.264%
CUB	21	122	DERY1 Min	-0.003639	-0.02133	0.000483	0.002584	0.263%
CUB	21	122	DERY2 Min	-0.003639	-0.02133	0.000483	0.002584	0.263%
PISO 3	13	26	DERY3 Min	-0.000901	-0.008172	0.000278	0.002522	0.254%
PISO 3	13	26	DERY4 Min	-0.000901	-0.008172	0.000278	0.002522	0.254%
PISO 3	14	28	DERY3 Min	-0.001913	-0.008167	0.00059	0.002521	0.259%
PISO 3	14	28	DERY4 Min	-0.001913	-0.008167	0.00059	0.002521	0.259%
PISO 3A	39	311	DERY1 Min	-0.00145	-0.011254	0.000524	0.00251	0.256%
PISO 3A	39	311	DERY2 Min	-0.00145	-0.011254	0.000524	0.00251	0.256%
CUB	15	51	DERY3 Min	-0.001485	-0.019453	0.000115	0.0025	0.250%
CUB	15	51	DERY4 Min	-0.001485	-0.019453	0.000115	0.0025	0.250%
CUB	16	52	DERY1 Min	-0.003695	-0.018961	0.000452	0.002493	0.253%
CUB	16	52	DERY2 Min	-0.003695	-0.018961	0.000452	0.002493	0.253%
PISO 3	13	26	DERY1 Min	-0.000909	-0.008038	0.000281	0.002481	0.250%
PISO 3	13	26	DERY2 Min	-0.000909	-0.008038	0.000281	0.002481	0.250%
PISO 3	14	28	DERY1 Min	-0.001884	-0.008036	0.000581	0.00248	0.255%
PISO 3	14	28	DERY2 Min	-0.001884	-0.008036	0.000581	0.00248	0.255%
CUB	15	51	DERY1 Min	-0.001476	-0.01902	0.00009	0.00246	0.246%
CUB	15	51	DERY2 Min	-0.001476	-0.01902	0.00009	0.00246	0.246%

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Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{1/2}$
				m	m			
PISO 3A	4	94	DERY3 Max	0.010799	0.011933	0.001575	0.002367	0.284%
PISO 3A	4	94	DERY4 Max	0.010799	0.011933	0.001575	0.002367	0.284%
PISO 3	11	22	DERY1 Max	0.00086	0.007536	0.000265	0.002326	0.234%
PISO 3	11	22	DERY2 Max	0.00086	0.007536	0.000265	0.002326	0.234%
PISO 3	12	24	DERY1 Max	0.002041	0.00753	0.00063	0.002324	0.241%
PISO 3	12	24	DERY2 Max	0.002041	0.00753	0.00063	0.002324	0.241%
PISO 3	11	22	DERY3 Max	0.000868	0.007437	0.000268	0.002295	0.231%
PISO 3	11	22	DERY4 Max	0.000868	0.007437	0.000268	0.002295	0.231%
PISO 3	12	24	DERY3 Max	0.002013	0.007434	0.000621	0.002294	0.238%
PISO 3	12	24	DERY4 Max	0.002013	0.007434	0.000621	0.002294	0.238%
PISO 3A	39	311	DERY3 Min	-0.001407	-0.011361	0.000396	0.00228	0.231%
PISO 3A	39	311	DERY4 Min	-0.001407	-0.011361	0.000396	0.00228	0.231%
CUB	13	49	DERY1 Max	0.001486	0.018328	0.000148	0.002276	0.228%
CUB	13	49	DERY2 Max	0.001486	0.018328	0.000148	0.002276	0.228%
CUB	12	48	DERY1 Max	0.004149	0.015452	0.000536	0.002238	0.230%
CUB	12	48	DERY2 Max	0.004149	0.015452	0.000536	0.002238	0.230%
CUB	13	49	DERY3 Max	0.00148	0.017948	0.000147	0.002236	0.224%
CUB	13	49	DERY4 Max	0.00148	0.017948	0.000147	0.002236	0.224%
CUB	14	50	DERY3 Min	-0.003817	-0.016821	0.000482	0.002218	0.227%
CUB	14	50	DERY4 Min	-0.003817	-0.016821	0.000482	0.002218	0.227%
PISO 3	12	24	DERY3 Min	-0.001929	-0.007144	0.000595	0.002205	0.228%
PISO 3	12	24	DERY4 Min	-0.001929	-0.007144	0.000595	0.002205	0.228%
PISO 3	11	22	DERY3 Min	-0.00089	-0.007142	0.000275	0.002204	0.222%
PISO 3	11	22	DERY4 Min	-0.00089	-0.007142	0.000275	0.002204	0.222%
PISO 3	12	24	DERY1 Min	-0.001901	-0.007048	0.000587	0.002175	0.225%
PISO 3	12	24	DERY2 Min	-0.001901	-0.007048	0.000587	0.002175	0.225%
PISO 3	11	22	DERY1 Min	-0.000897	-0.007044	0.000277	0.002174	0.219%
PISO 3	11	22	DERY2 Min	-0.000897	-0.007044	0.000277	0.002174	0.219%
CUB	13	49	DERY3 Min	-0.001461	-0.016807	0.000146	0.002114	0.212%
CUB	13	49	DERY4 Min	-0.001461	-0.016807	0.000146	0.002114	0.212%
CUB	12	48	DERY3 Max	0.004081	0.015126	0.000527	0.00211	0.217%
CUB	12	48	DERY4 Max	0.004081	0.015126	0.000527	0.00211	0.217%
CUB	14	50	DERY1 Min	-0.003753	-0.016436	0.000474	0.002093	0.215%
CUB	14	50	DERY2 Min	-0.003753	-0.016436	0.000474	0.002093	0.215%
CUB	13	49	DERY1 Min	-0.001455	-0.016427	0.000146	0.002074	0.208%
CUB	13	49	DERY2 Min	-0.001455	-0.016427	0.000146	0.002074	0.208%
PISO 3A	4	94	DERX1 Max	0.007373	0.008487	0.000893	0.002043	0.223%
PISO 3A	4	94	DERX2 Max	0.007373	0.008487	0.000893	0.002043	0.223%
PISO 3	22	76	DERY1 Max	0.001546	0.008153	0.000403	0.001991	0.203%
PISO 3	22	76	DERY2 Max	0.001546	0.008153	0.000403	0.001991	0.203%
PISO 3	22	76	DERY3 Max	0.001579	0.008123	0.000409	0.001988	0.203%
PISO 3	22	76	DERY4 Max	0.001579	0.008123	0.000409	0.001988	0.203%
PISO 3	22	76	DERY3 Min	-0.001678	-0.008033	0.000425	0.001976	0.202%
PISO 3	22	76	DERY4 Min	-0.001678	-0.008033	0.000425	0.001976	0.202%
PISO 3	22	76	DERY1 Min	-0.001711	-0.008003	0.00043	0.001973	0.202%
PISO 3	22	76	DERY2 Min	-0.001711	-0.008003	0.00043	0.001973	0.202%
PISO 3A	39	311	DERX1 Min	-0.003385	-0.007753	0.000612	0.001932	0.203%
PISO 3A	39	311	DERX2 Min	-0.003385	-0.007753	0.000612	0.001932	0.203%
PISO 3	9	18	DERY1 Max	0.000844	0.00649	0.00017	0.001921	0.193%
PISO 3	9	18	DERY2 Max	0.000844	0.00649	0.00017	0.001921	0.193%
PISO 3	10	20	DERY1 Max	0.002058	0.006471	0.000592	0.001906	0.200%
PISO 3	10	20	DERY2 Max	0.002058	0.006471	0.000592	0.001906	0.200%

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Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{1/2}$
				m	m			
PISO 3	9	18	DERY3 Max	0.000851	0.006424	0.000168	0.0019	0.191%
PISO 3	9	18	DERY4 Max	0.000851	0.006424	0.000168	0.0019	0.191%
PISO 3	10	20	DERY3 Max	0.002032	0.006408	0.000582	0.001888	0.198%
PISO 3	10	20	DERY4 Max	0.002032	0.006408	0.000582	0.001888	0.198%
PISO 3	9	18	DERY3 Min	-0.000872	-0.006227	0.000164	0.001838	0.185%
PISO 3	9	18	DERY4 Min	-0.000872	-0.006227	0.000164	0.001838	0.185%
PISO 3	10	20	DERY3 Min	-0.001953	-0.006219	0.000551	0.001834	0.191%
PISO 3	10	20	DERY4 Min	-0.001953	-0.006219	0.000551	0.001834	0.191%
PISO 3	9	18	DERY1 Min	-0.000879	-0.006161	0.000163	0.001817	0.182%
PISO 3	9	18	DERY2 Min	-0.000879	-0.006161	0.000163	0.001817	0.182%
PISO 3	10	20	DERY1 Min	-0.001927	-0.006156	0.00054	0.001816	0.189%
PISO 3	10	20	DERY2 Min	-0.001927	-0.006156	0.00054	0.001816	0.189%
CUB	11	47	DERY1 Max	0.001459	0.015467	0.000145	0.001778	0.178%
CUB	11	47	DERY2 Max	0.001459	0.015467	0.000145	0.001778	0.178%
PISO 3A	4	94	DERX3 Max	0.007532	0.008356	0.001034	0.001778	0.206%
PISO 3A	4	94	DERX4 Max	0.007532	0.008356	0.001034	0.001778	0.206%
CUB	10	46	DERY1 Max	0.004193	0.012561	0.000529	0.001765	0.184%
CUB	10	46	DERY2 Max	0.004193	0.012561	0.000529	0.001765	0.184%
CUB	11	47	DERY3 Max	0.001453	0.015144	0.000141	0.001748	0.175%
CUB	11	47	DERY4 Max	0.001453	0.015144	0.000141	0.001748	0.175%
CUB	12	48	DERY3 Min	-0.003875	-0.014148	0.000498	0.001723	0.179%
CUB	12	48	DERY4 Min	-0.003875	-0.014148	0.000498	0.001723	0.179%
PISO 3A	39	311	DERX3 Min	-0.003342	-0.007859	0.000484	0.001702	0.177%
PISO 3A	39	311	DERX4 Min	-0.003342	-0.007859	0.000484	0.001702	0.177%
CUB	11	47	DERY3 Min	-0.001437	-0.014174	0.000131	0.001661	0.167%
CUB	11	47	DERY4 Min	-0.001437	-0.014174	0.000131	0.001661	0.167%
CUB	10	46	DERY3 Max	0.004121	0.0123	0.000521	0.001643	0.172%
CUB	10	46	DERY4 Max	0.004121	0.0123	0.000521	0.001643	0.172%
CUB	11	47	DERY1 Min	-0.001431	-0.01385	0.000127	0.001631	0.164%
CUB	11	47	DERY2 Min	-0.001431	-0.01385	0.000127	0.001631	0.164%
CUB	12	48	DERY1 Min	-0.003807	-0.013821	0.000489	0.001594	0.167%
CUB	12	48	DERY2 Min	-0.003807	-0.013821	0.000489	0.001594	0.167%
PISO 3A	39	311	DERY3 Max	0.001278	0.011681	0.00001	0.00159	0.159%
PISO 3A	39	311	DERY4 Max	0.001278	0.011681	0.00001	0.00159	0.159%
PISO 3A	4	94	DERY3 Min	-0.011275	-0.01154	0.001997	0.00157	0.254%
PISO 3A	4	94	DERY4 Min	-0.011275	-0.01154	0.001997	0.00157	0.254%
PISO 3	19	42	DERY1 Max	0.001518	0.005707	0.000394	0.00146	0.151%
PISO 3	19	42	DERY2 Max	0.001518	0.005707	0.000394	0.00146	0.151%
PISO 3	8	16	DERY1 Max	0.000829	0.005587	0.000156	0.001454	0.146%
PISO 3	8	16	DERY2 Max	0.000829	0.005587	0.000156	0.001454	0.146%
PISO 3	19	42	DERY3 Max	0.001551	0.005677	0.000399	0.001451	0.150%
PISO 3	19	42	DERY4 Max	0.001551	0.005677	0.000399	0.001451	0.150%
PISO 3	7	14	DERY1 Max	0.002064	0.005528	0.000594	0.001447	0.156%
PISO 3	7	14	DERY2 Max	0.002064	0.005528	0.000594	0.001447	0.156%
PISO 3	8	16	DERY3 Max	0.000834	0.005553	0.000155	0.001444	0.145%
PISO 3	8	16	DERY4 Max	0.000834	0.005553	0.000155	0.001444	0.145%
PISO 3	7	14	DERY3 Max	0.00204	0.005494	0.000584	0.001436	0.155%
PISO 3	7	14	DERY4 Max	0.00204	0.005494	0.000584	0.001436	0.155%
PISO 3	19	42	DERY3 Min	-0.001648	-0.005588	0.000413	0.001425	0.148%
PISO 3	19	42	DERY4 Min	-0.001648	-0.005588	0.000413	0.001425	0.148%
PISO 3	19	42	DERY1 Min	-0.00168	-0.005559	0.000418	0.001416	0.148%
PISO 3	19	42	DERY2 Min	-0.00168	-0.005559	0.000418	0.001416	0.148%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 3	8	16	DERY3 Min	-0.000849	-0.005453	0.00015	0.001413	0.142%
PISO 3	8	16	DERY4 Min	-0.000849	-0.005453	0.00015	0.001413	0.142%
PISO 3	7	14	DERY3 Min	-0.001968	-0.005394	0.000553	0.001404	0.151%
PISO 3	7	14	DERY4 Min	-0.001968	-0.005394	0.000553	0.001404	0.151%
PISO 3	8	16	DERY1 Min	-0.000854	-0.005419	0.000149	0.001403	0.141%
PISO 3	8	16	DERY2 Min	-0.000854	-0.005419	0.000149	0.001403	0.141%
PISO 3	7	14	DERY1 Min	-0.001944	-0.005361	0.000543	0.001393	0.150%
PISO 3	7	14	DERY2 Min	-0.001944	-0.005361	0.000543	0.001393	0.150%
PISO 3A	39	311	DERY1 Max	0.001236	0.011787	0.000119	0.00136	0.137%
PISO 3A	39	311	DERY2 Max	0.001236	0.011787	0.000119	0.00136	0.137%
CUB	9	45	DERY1 Max	0.001427	0.012588	0.00015	0.001337	0.135%
CUB	9	45	DERY2 Max	0.001427	0.012588	0.00015	0.001337	0.135%
CUB	9	45	DERY3 Max	0.001421	0.012329	0.000151	0.001316	0.132%
CUB	9	45	DERY4 Max	0.001421	0.012329	0.000151	0.001316	0.132%
PISO 3A	4	94	DERY1 Min	-0.011433	-0.011409	0.002138	0.001304	0.250%
PISO 3A	4	94	DERY2 Min	-0.011433	-0.011409	0.002138	0.001304	0.250%
CUB	7	43	DERY1 Max	0.004212	0.009927	0.000675	0.001301	0.147%
CUB	7	43	DERY2 Max	0.004212	0.009927	0.000675	0.001301	0.147%
CUB	10	46	DERY3 Min	-0.003903	-0.011517	0.000496	0.001276	0.137%
CUB	10	46	DERY4 Min	-0.003903	-0.011517	0.000496	0.001276	0.137%
CUB	9	45	DERY3 Min	-0.001402	-0.011552	0.000153	0.001255	0.126%
CUB	9	45	DERY4 Min	-0.001402	-0.011552	0.000153	0.001255	0.126%
PISO 3	20	80	DERY1 Max	0.002059	0.005171	0.000587	0.001251	0.138%
PISO 3	20	80	DERY2 Max	0.002059	0.005171	0.000587	0.001251	0.138%
PISO 3	20	80	DERY3 Max	0.002038	0.005148	0.000578	0.001244	0.137%
PISO 3	20	80	DERY4 Max	0.002038	0.005148	0.000578	0.001244	0.137%
CUB	9	45	DERY1 Min	-0.001396	-0.011293	0.000154	0.001234	0.124%
CUB	9	45	DERY2 Min	-0.001396	-0.011293	0.000154	0.001234	0.124%
PISO 3	20	80	DERY3 Min	-0.001973	-0.005079	0.000549	0.001223	0.134%
PISO 3	20	80	DERY4 Min	-0.001973	-0.005079	0.000549	0.001223	0.134%
CUB	7	43	DERY3 Max	0.004138	0.009733	0.000658	0.001218	0.138%
CUB	7	43	DERY4 Max	0.004138	0.009733	0.000658	0.001218	0.138%
PISO 3	20	80	DERY1 Min	-0.001952	-0.005056	0.00054	0.001216	0.133%
PISO 3	20	80	DERY2 Min	-0.001952	-0.005056	0.00054	0.001216	0.133%
PISO 2	46	121	DERY1 Max	0.000235	0.003787	0.000073	0.001169	0.117%
PISO 2	46	121	DERY2 Max	0.000235	0.003787	0.000073	0.001169	0.117%
CUB	19	160	DERY1 Max	0.002565	0.009709	0.000155	0.001158	0.117%
CUB	19	160	DERY2 Max	0.002565	0.009709	0.000155	0.001158	0.117%
CUB	10	46	DERY1 Min	-0.00383	-0.011256	0.000487	0.001153	0.125%
CUB	10	46	DERY2 Min	-0.00383	-0.011256	0.000487	0.001153	0.125%
PISO 2	46	121	DERY3 Max	0.00025	0.003715	0.000077	0.001147	0.115%
PISO 2	46	121	DERY4 Max	0.00025	0.003715	0.000077	0.001147	0.115%
CUB	8	44	DERY1 Max	0.001366	0.009824	0.000143	0.001084	0.109%
CUB	8	44	DERY2 Max	0.001366	0.009824	0.000143	0.001084	0.109%
PISO 2	46	121	DERY3 Min	-0.000295	-0.003499	0.000091	0.00108	0.108%
PISO 2	46	121	DERY4 Min	-0.000295	-0.003499	0.000091	0.00108	0.108%
CUB	46	163	DERX1 Max	0.001979	0.004372	0.000332	0.001073	0.112%
CUB	46	163	DERX2 Max	0.004372	0.001979	0.000332	0.001073	0.112%
PISO 2	46	121	DERY1 Min	-0.003427	-0.000309	0.000095	0.001058	0.106%
PISO 2	46	121	DERY2 Min	-0.000309	-0.003427	0.000095	0.001058	0.106%
CUB	8	44	DERY3 Max	0.001355	0.009637	0.000127	0.001044	0.105%
CUB	8	44	DERY4 Max	0.001355	0.009637	0.000127	0.001044	0.105%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
CUB	19	160	DERY3 Max	0.002627	0.009526	0.000192	0.001038	0.106%
CUB	19	160	DERY4 Max	0.002627	0.009526	0.000192	0.001038	0.106%
CUB	46	163	DERY1 Max	0.00254	0.018344	0.000182	0.001035	0.105%
CUB	46	163	DERY2 Max	0.00254	0.018344	0.000182	0.001035	0.105%
PISO 3A	39	311	DERX3 Max	0.003213	0.008179	0.000098	0.001012	0.102%
PISO 3A	39	311	DERX4 Max	0.003213	0.008179	0.000098	0.001012	0.102%
PISO 3A	4	94	DERX3 Min	-0.008007	-0.007963	0.001457	0.000981	0.176%
PISO 3A	4	94	DERX4 Min	-0.008007	-0.007963	0.001457	0.000981	0.176%
CUB	7	43	DERY3 Min	-0.003918	-0.00915	0.000606	0.000969	0.114%
CUB	7	43	DERY4 Min	-0.003918	-0.00915	0.000606	0.000969	0.114%
CUB	22	161	DERY1 Max	0.002554	0.012613	0.000244	0.000933	0.096%
CUB	22	161	DERY2 Max	0.002554	0.012613	0.000244	0.000933	0.096%
CUB	8	44	DERY3 Min	-0.001323	-0.009077	0.000078	0.000923	0.093%
CUB	8	44	DERY4 Min	-0.001323	-0.009077	0.000078	0.000923	0.093%
PISO 2	27	77	DERY1 Max	0.000258	0.002918	0.00008	0.000901	0.090%
PISO 2	27	77	DERY2 Max	0.000258	0.002918	0.00008	0.000901	0.090%
CUB	46	163	DERX3 Max	0.004425	0.001599	0.000354	0.000897	0.096%
CUB	46	163	DERX4 Max	0.004425	0.001599	0.000354	0.000897	0.096%
PISO 2	27	77	DERY3 Max	0.000273	0.002877	0.000084	0.000888	0.089%
PISO 2	27	77	DERY4 Max	0.000273	0.002877	0.000084	0.000888	0.089%
CUB	7	43	DERY1 Min	-0.003845	-0.008956	0.000589	0.000886	0.106%
CUB	7	43	DERY2 Min	-0.003845	-0.008956	0.000589	0.000886	0.106%
CUB	8	44	DERY1 Min	-0.001313	-0.00889	0.000061	0.000883	0.089%
CUB	8	44	DERY2 Min	-0.001313	-0.00889	0.000061	0.000883	0.089%
CUB	46	163	DERY3 Max	0.002594	0.017965	0.000204	0.000859	0.088%
CUB	46	163	DERY4 Max	0.002594	0.017965	0.000204	0.000859	0.088%
PISO 2	27	77	DERY3 Min	-0.000319	-0.002754	0.000098	0.00085	0.086%
PISO 2	27	77	DERY4 Min	-0.000319	-0.002754	0.000098	0.00085	0.086%
CUB	27	162	DERY1 Max	0.002546	0.015502	0.000235	0.000846	0.088%
CUB	27	162	DERY2 Max	0.002546	0.015502	0.000235	0.000846	0.088%
PISO 2	27	77	DERY1 Min	-0.000334	-0.002713	0.000103	0.000837	0.084%
PISO 2	27	77	DERY2 Min	-0.000334	-0.002713	0.000103	0.000837	0.084%
CUB	27	162	DERX1 Max	0.004317	0.001907	0.000378	0.000833	0.091%
CUB	27	162	DERX2 Max	0.004317	0.001907	0.000378	0.000833	0.091%
CUB	22	161	DERY3 Max	0.002614	0.012353	0.000246	0.000787	0.082%
CUB	22	161	DERY4 Max	0.002614	0.012353	0.000246	0.000787	0.082%
PISO 3A	39	311	DERX1 Max	0.00317	0.008286	0.00003	0.000782	0.078%
PISO 3A	39	311	DERX2 Max	0.00317	0.008286	0.00003	0.000782	0.078%
PISO 3A	4	94	DERX1 Min	-0.008165	-0.007832	0.001598	0.000715	0.175%
PISO 3A	4	94	DERX2 Min	-0.008165	-0.007832	0.001598	0.000715	0.175%
CUB	19	160	DERY3 Min	-0.002816	-0.008978	0.000303	0.000678	0.074%
CUB	19	160	DERY4 Min	-0.002816	-0.008978	0.000303	0.000678	0.074%
CUB	27	162	DERY3 Max	0.002602	0.015178	0.000237	0.000672	0.071%
CUB	27	162	DERY4 Max	0.002602	0.015178	0.000237	0.000672	0.071%
PISO 3	23	83	DERX1 Max	0.002548	0.002141	0.000786	0.000661	0.103%
PISO 3	23	83	DERX2 Max	0.002548	0.002141	0.000786	0.000661	0.103%
CUB	27	162	DERX3 Max	0.001582	0.004374	0.00038	0.000659	0.076%
CUB	27	162	DERX4 Max	0.004374	0.001582	0.00038	0.000659	0.076%
PISO 3	21	81	DERX1 Max	0.002638	0.002129	0.000814	0.000657	0.105%
PISO 3	21	81	DERX2 Max	0.002638	0.002129	0.000814	0.000657	0.105%
PISO 3	5	10	DERY1 Min	-0.007701	-0.003731	0.002156	0.000631	0.225%
PISO 3	5	10	DERY2 Min	-0.007701	-0.003731	0.002156	0.000631	0.225%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 3A	5	95	DERY1 Max	0.010338	0.004053	0.001758	0.000603	0.186%
PISO 3A	5	95	DERY2 Max	0.010338	0.004053	0.001758	0.000603	0.186%
PISO 2	4	7	DERY1 Max	0.001162	0.002858	0.000251	0.000601	0.065%
PISO 2	4	7	DERY2 Max	0.001162	0.002858	0.000251	0.000601	0.065%
PISO 2	4	7	DERY3 Max	0.001175	0.00286	0.000255	0.000598	0.065%
PISO 2	4	7	DERY4 Max	0.001175	0.00286	0.000255	0.000598	0.065%
PISO 3	23	83	DERX3 Max	0.002556	0.001927	0.000789	0.000595	0.099%
PISO 3	23	83	DERX4 Max	0.002556	0.001927	0.000789	0.000595	0.099%
PISO 2	39	168	DERY1 Max	0.000354	0.002826	0.000101	0.000595	0.060%
PISO 2	39	168	DERY2 Max	0.000354	0.002826	0.000101	0.000595	0.060%
PISO 2	39	168	DERY3 Max	0.000373	0.002832	0.000104	0.000594	0.060%
PISO 2	39	168	DERY4 Max	0.000373	0.002832	0.000104	0.000594	0.060%
PISO 3	21	81	DERX3 Max	0.002607	0.001919	0.000804	0.000592	0.100%
PISO 3	21	81	DERX4 Max	0.002607	0.001919	0.000804	0.000592	0.100%
PISO 2	4	7	DERY3 Min	-0.001212	-0.002865	0.000268	0.000591	0.065%
PISO 2	4	7	DERY4 Min	-0.001212	-0.002865	0.000268	0.000591	0.065%
PISO 2	4	7	DERY1 Min	-0.001225	-0.002866	0.000272	0.000589	0.065%
PISO 2	4	7	DERY2 Min	-0.001225	-0.002866	0.000272	0.000589	0.065%
PISO 2	39	168	DERY3 Min	-0.000432	-0.00285	0.000112	0.000589	0.060%
PISO 2	39	168	DERY4 Min	-0.000432	-0.00285	0.000112	0.000589	0.060%
PISO 3	5	10	DERY3 Min	-0.007635	-0.003594	0.002139	0.000588	0.222%
PISO 3	5	10	DERY4 Min	-0.007635	-0.003594	0.002139	0.000588	0.222%
PISO 2	39	168	DERY1 Min	-0.000451	-0.002856	0.000115	0.000588	0.060%
PISO 2	39	168	DERY2 Min	-0.000451	-0.002856	0.000115	0.000588	0.060%
CUB	16	52	DERX1 Max	0.004607	0.003019	0.000448	0.000582	0.073%
CUB	16	52	DERX2 Max	0.004607	0.003019	0.000448	0.000582	0.073%
CUB	21	122	DERX1 Max	0.00461	0.004231	0.000429	0.000564	0.071%
CUB	21	122	DERX2 Max	0.00461	0.004231	0.000429	0.000564	0.071%
PISO 2	22	73	DERY1 Max	0.000274	0.001824	0.000085	0.000563	0.057%
PISO 2	22	73	DERY2 Max	0.000274	0.001824	0.000085	0.000563	0.057%
CUB	19	160	DERY1 Min	-0.002878	-0.008795	0.00034	0.000558	0.065%
CUB	19	160	DERY2 Min	-0.002878	-0.008795	0.00034	0.000558	0.065%
PISO 2	22	73	DERY3 Max	0.000289	0.001807	0.000089	0.000558	0.057%
PISO 2	22	73	DERY4 Max	0.000289	0.001807	0.000089	0.000558	0.057%
CUB	22	161	DERX1 Max	0.004263	0.002633	0.000387	0.000554	0.068%
CUB	22	161	DERX2 Max	0.004263	0.002633	0.000387	0.000554	0.068%
PISO 3	20	80	DERX1 Max	0.002608	0.002416	0.000494	0.000543	0.073%
PISO 3	20	80	DERX2 Max	0.002608	0.002416	0.000494	0.000543	0.073%
PISO 2	22	73	DERY3 Min	-0.000336	-0.001753	0.000104	0.000541	0.055%
PISO 2	22	73	DERY4 Min	-0.000336	-0.001753	0.000104	0.000541	0.055%
PISO 3	20	80	DERX3 Max	0.002586	0.002393	0.000485	0.000536	0.072%
PISO 3	20	80	DERX4 Max	0.002586	0.002393	0.000485	0.000536	0.072%
PISO 2	22	73	DERY1 Min	-0.000352	-0.001736	0.000109	0.000536	0.055%
PISO 2	22	73	DERY2 Min	-0.000352	-0.001736	0.000109	0.000536	0.055%
PISO 2	46	121	DERX1 Max	0.000646	0.001695	0.000199	0.000523	0.056%
PISO 2	46	121	DERX2 Max	0.000646	0.001695	0.000199	0.000523	0.056%
PISO 3	8	16	DERX1 Max	0.002144	0.000464	0.000517	0.000517	0.069%
PISO 3	8	16	DERX2 Max	0.002144	0.000464	0.000517	0.000517	0.069%
PISO 3A	5	95	DERY3 Max	0.010488	0.00404	0.001807	0.000515	0.188%
PISO 3A	5	95	DERY4 Max	0.010488	0.00404	0.001807	0.000515	0.188%
PISO 3	20	80	DERX3 Min	-0.002522	-0.002324	0.000457	0.000515	0.069%
PISO 3	20	80	DERX4 Min	-0.002522	-0.002324	0.000457	0.000515	0.069%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 3	7	14	DERX1 Max	0.002608	0.002121	0.000486	0.000512	0.071%
PISO 3	7	14	DERX2 Max	0.002608	0.002121	0.000486	0.000512	0.071%
PISO 3	20	80	DERX1 Min	-0.0025	-0.002301	0.000447	0.000508	0.068%
PISO 3	20	80	DERX2 Min	-0.0025	-0.002301	0.000447	0.000508	0.068%
PISO 3	8	16	DERX3 Max	0.002422	0.00211	0.000462	0.000507	0.069%
PISO 3	8	16	DERX4 Max	0.002422	0.00211	0.000462	0.000507	0.069%
PISO 3	7	14	DERX3 Max	0.002584	0.002088	0.000476	0.000501	0.069%
PISO 3	7	14	DERX4 Max	0.002584	0.002088	0.000476	0.000501	0.069%
PISO 3	19	42	DERX1 Max	0.002587	0.002132	0.000528	0.000501	0.073%
PISO 3	19	42	DERX2 Max	0.002587	0.002132	0.000528	0.000501	0.073%
PISO 2	46	121	DERX3 Max	0.00066	0.001623	0.000204	0.000501	0.054%
PISO 2	46	121	DERX4 Max	0.00066	0.001623	0.000204	0.000501	0.054%
PISO 3	19	42	DERX3 Max	0.00262	0.002103	0.000533	0.000493	0.073%
PISO 3	19	42	DERX4 Max	0.00262	0.002103	0.000533	0.000493	0.073%
CUB	14	50	DERX1 Max	0.004598	0.001985	0.000447	0.000486	0.066%
CUB	14	50	DERX2 Max	0.004598	0.001985	0.000447	0.000486	0.066%
CUB	19	160	DERX1 Max	0.004105	0.003255	0.000229	0.000481	0.053%
CUB	19	160	DERX2 Max	0.004105	0.003255	0.000229	0.000481	0.053%
PISO 3	8	16	DERX3 Min	-0.002437	-0.002009	0.000458	0.000477	0.066%
PISO 3	8	16	DERX4 Min	-0.002437	-0.002009	0.000458	0.000477	0.066%
CUB	21	122	DERX3 Max	0.004553	0.003751	0.000433	0.000471	0.064%
CUB	21	122	DERX4 Max	0.004553	0.003751	0.000433	0.000471	0.064%
PISO 3	7	14	DERX3 Min	-0.002512	-0.001988	0.000446	0.000469	0.065%
PISO 3	7	14	DERX4 Min	-0.002512	-0.001988	0.000446	0.000469	0.065%
PISO 3	8	16	DERX1 Min	-0.002442	-0.001976	0.000456	0.000467	0.065%
PISO 3	8	16	DERX2 Min	-0.002442	-0.001976	0.000456	0.000467	0.065%
PISO 3	19	42	DERX3 Min	-0.002717	-0.002014	0.000548	0.000466	0.072%
PISO 3	19	42	DERX4 Min	-0.002717	-0.002014	0.000548	0.000466	0.072%
PISO 3	9	18	DERX1 Max	0.002486	0.00156	0.000501	0.00046	0.068%
PISO 3	9	18	DERX2 Max	0.002486	0.00156	0.000501	0.00046	0.068%
PISO 3	5	10	DERY3 Max	0.007435	0.003186	0.002087	0.000459	0.214%
PISO 3	5	10	DERY4 Max	0.007435	0.003186	0.002087	0.000459	0.214%
PISO 3	7	14	DERX1 Min	-0.002488	-0.001954	0.000436	0.000458	0.063%
PISO 3	7	14	DERX2 Min	-0.002488	-0.001954	0.000436	0.000458	0.063%
PISO 3	19	42	DERX1 Min	-0.002749	-0.001984	0.000553	0.000458	0.072%
PISO 3	19	42	DERX2 Min	-0.002749	-0.001984	0.000553	0.000458	0.072%
CUB	16	52	DERX3 Max	0.004547	0.002583	0.000441	0.000456	0.063%
CUB	16	52	DERX4 Max	0.004547	0.002583	0.000441	0.000456	0.063%
PISO 3	10	20	DERX1 Max	0.002627	0.001548	0.000484	0.000453	0.066%
PISO 3	10	20	DERX2 Max	0.002627	0.001548	0.000484	0.000453	0.066%
CUB	7	43	DERX1 Max	0.004596	0.003441	0.000595	0.000451	0.075%
CUB	7	43	DERX2 Max	0.004596	0.003441	0.000595	0.000451	0.075%
CUB	10	46	DERX1 Max	0.004571	0.002601	0.000483	0.00044	0.065%
CUB	10	46	DERX2 Max	0.004571	0.002601	0.000483	0.00044	0.065%
CUB	12	48	DERX1 Max	0.004584	0.0019	0.000433	0.00044	0.062%
CUB	12	48	DERX2 Max	0.004584	0.0019	0.000433	0.00044	0.062%
PISO 3	9	18	DERX3 Max	0.002493	0.001495	0.0005	0.000439	0.067%
PISO 3	9	18	DERX4 Max	0.002493	0.001495	0.0005	0.000439	0.067%
PISO 3	10	20	DERX3 Max	0.002601	0.001485	0.000474	0.000435	0.064%
PISO 3	10	20	DERX4 Max	0.002601	0.001485	0.000474	0.000435	0.064%
PISO 2	46	121	DERX3 Min	-0.000705	-0.001407	0.000218	0.000434	0.049%
PISO 2	46	121	DERX4 Min	-0.000705	-0.001407	0.000218	0.000434	0.049%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 3	15	30	DERX1 Max	0.002546	0.001386	0.000786	0.000428	0.089%
PISO 3	15	30	DERX2 Max	0.002546	0.001386	0.000786	0.000428	0.089%
PISO 3	16	32	DERX1 Max	0.00264	0.001379	0.000815	0.000426	0.092%
PISO 3	16	32	DERX2 Max	0.00264	0.001379	0.000815	0.000426	0.092%
PISO 3	5	10	DERY1 Max	0.007369	0.00305	0.002069	0.000416	0.211%
PISO 3	5	10	DERY2 Max	0.007369	0.00305	0.002069	0.000416	0.211%
PISO 2	4	7	DERX1 Max	0.001129	0.001946	0.000256	0.000415	0.049%
PISO 2	4	7	DERX2 Max	0.001129	0.001946	0.000256	0.000415	0.049%
PISO 2	4	7	DERX3 Max	0.001141	0.001947	0.000261	0.000412	0.049%
PISO 2	4	7	DERX4 Max	0.001141	0.001947	0.000261	0.000412	0.049%
PISO 2	39	168	DERX1 Min	0.00117	0.001928	0.000285	0.000412	0.050%
PISO 2	39	168	DERX2 Max	0.00117	0.001928	0.000285	0.000412	0.050%
PISO 2	46	121	DERX1 Min	-0.00072	-0.001335	0.000222	0.000412	0.047%
PISO 2	46	121	DERX2 Min	-0.00072	-0.001335	0.000222	0.000412	0.047%
PISO 3A	5	95	DERX1 Max	0.007189	0.002372	0.001191	0.00041	0.126%
PISO 3A	5	95	DERX2 Max	0.007189	0.002372	0.001191	0.00041	0.126%
PISO 2	39	168	DERX3 Max	0.001189	0.001934	0.000288	0.00041	0.050%
PISO 2	39	168	DERX4 Max	0.001189	0.001934	0.000288	0.00041	0.050%
CUB	22	161	DERX3 Max	0.004322	0.002373	0.000389	0.000408	0.056%
CUB	22	161	DERX4 Max	0.004322	0.002373	0.000389	0.000408	0.056%
PISO 2	39	168	DERX3 Min	-0.001248	-0.001952	0.000297	0.000406	0.050%
PISO 2	39	168	DERX4 Min	-0.001248	-0.001952	0.000297	0.000406	0.050%
PISO 2	4	7	DERX3 Min	-0.001179	-0.001952	0.000274	0.000405	0.049%
PISO 2	4	7	DERX4 Min	-0.001179	-0.001952	0.000274	0.000405	0.049%
PISO 2	39	168	DERX1 Min	-0.001267	-0.001958	0.0003	0.000404	0.050%
PISO 2	39	168	DERX2 Min	-0.001267	-0.001958	0.0003	0.000404	0.050%
PISO 2	4	7	DERX1 Min	-0.001192	-0.001954	0.000278	0.000403	0.049%
PISO 2	4	7	DERX2 Min	-0.001192	-0.001954	0.000278	0.000403	0.049%
CUB	23	124	DERX1 Max	0.004449	0.004219	0.000402	0.000401	0.057%
CUB	23	124	DERX2 Max	0.004449	0.004219	0.000402	0.000401	0.057%
PISO 3	5	10	DERX1 Min	-0.005535	-0.002362	0.001522	0.000398	0.157%
PISO 3	5	10	DERX2 Min	-0.005535	-0.002362	0.001522	0.000398	0.157%
PISO 3	21	81	DERX3 Min	-0.002511	-0.001291	0.000775	0.000398	0.087%
PISO 3	21	81	DERX4 Min	-0.002511	-0.001291	0.000775	0.000398	0.087%
PISO 3	23	83	DERX3 Min	-0.00258	-0.001286	0.000796	0.000397	0.089%
PISO 3	23	83	DERX4 Min	-0.00258	-0.001286	0.000796	0.000397	0.089%
PISO 1	4	58	DERY1 Min	-0.000483	-0.001086	0.000173	0.000388	0.042%
PISO 1	4	58	DERY2 Min	-0.000483	-0.001086	0.000173	0.000388	0.042%
PISO 1	39	323	DERY1 Min	-0.000159	-0.001082	0.000057	0.000386	0.039%
PISO 1	39	323	DERY2 Min	-0.000159	-0.001082	0.000057	0.000386	0.039%
PISO 1	4	58	DERY3 Min	-0.000485	-0.001077	0.000173	0.000385	0.042%
PISO 1	4	58	DERY4 Min	-0.000485	-0.001077	0.000173	0.000385	0.042%
PISO 1	39	323	DERY3 Min	-0.000149	-0.001071	0.000053	0.000382	0.039%
PISO 1	39	323	DERY4 Min	-0.000149	-0.001071	0.000053	0.000382	0.039%
PISO 3	10	20	DERX3 Min	-0.002522	-0.001296	0.000442	0.00038	0.058%
PISO 3	10	20	DERX4 Min	-0.002522	-0.001296	0.000442	0.00038	0.058%
PISO 3	9	18	DERX3 Min	-0.002197	-0.002513	0.000496	0.000377	0.062%
PISO 3	9	18	DERX4 Min	-0.002513	-0.001297	0.000496	0.000377	0.062%
PISO 2	5	9	DERY1 Max	0.001772	0.001086	0.000216	0.000376	0.043%
PISO 2	5	9	DERY2 Max	0.001086	0.001772	0.000216	0.000376	0.043%
PISO 3	15	30	DERX3 Max	0.002555	0.001214	0.000789	0.000375	0.087%
PISO 3	15	30	DERX4 Max	0.002555	0.001214	0.000789	0.000375	0.087%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 2	5	9	DERY3 Max	0.001096	0.001769	0.000219	0.000375	0.043%
PISO 2	5	9	DERY4 Max	0.001096	0.001769	0.000219	0.000375	0.043%
PISO 1	4	58	DERY3 Max	0.000489	0.001049	0.000175	0.000375	0.041%
PISO 1	4	58	DERY4 Max	0.000489	0.001049	0.000175	0.000375	0.041%
PISO 3	16	32	DERX3 Max	0.002609	0.001209	0.000805	0.000373	0.089%
PISO 3	16	32	DERX4 Max	0.002609	0.001209	0.000805	0.000373	0.089%
PISO 2	5	9	DERY3 Min	-0.001126	-0.00176	0.000227	0.000373	0.044%
PISO 2	5	9	DERY4 Min	-0.001126	-0.00176	0.000227	0.000373	0.044%
CUB	23	124	DERX3 Max	0.004439	0.003743	0.000415	0.000372	0.056%
CUB	23	124	DERX4 Max	0.004439	0.003743	0.000415	0.000372	0.056%
PISO 2	5	9	DERY1 Min	-0.001136	-0.001756	0.00023	0.000372	0.044%
PISO 2	5	9	DERY2 Min	-0.001136	-0.001756	0.00023	0.000372	0.044%
PISO 1	4	58	DERY1 Max	0.000491	0.00104	0.000175	0.000371	0.041%
PISO 1	4	58	DERY2 Max	0.000491	0.00104	0.000175	0.000371	0.041%
PISO 1	39	323	DERY3 Max	0.000119	0.001038	0.000043	0.000371	0.037%
PISO 1	39	323	DERY4 Max	0.000119	0.001038	0.000043	0.000371	0.037%
CUB	46	163	DERX3 Min	-0.004587	-0.000461	0.000421	0.00037	0.056%
CUB	46	163	DERX4 Min	-0.004587	-0.000461	0.000421	0.00037	0.056%
PISO 3	22	76	DERX1 Max	0.002646	0.001648	0.000571	0.000369	0.068%
PISO 3	22	76	DERX2 Max	0.002646	0.001648	0.000571	0.000369	0.068%
CUB	7	43	DERX3 Max	0.004523	0.003247	0.000578	0.000368	0.069%
CUB	7	43	DERX4 Max	0.004523	0.003247	0.000578	0.000368	0.069%
PISO 1	39	323	DERY1 Max	0.000109	0.001027	0.000039	0.000367	0.037%
PISO 1	39	323	DERY2 Max	0.000109	0.001027	0.000039	0.000367	0.037%
PISO 3	22	76	DERX3 Max	0.002679	0.001618	0.000576	0.000365	0.068%
PISO 3	22	76	DERX4 Max	0.002679	0.001618	0.000576	0.000365	0.068%
PISO 3	10	20	DERX1 Min	-0.002496	-0.001233	0.000432	0.000362	0.056%
PISO 3	10	20	DERX2 Min	-0.002496	-0.001233	0.000432	0.000362	0.056%
CUB	14	50	DERX3 Max	0.004534	0.0016	0.000439	0.000361	0.057%
CUB	14	50	DERX4 Max	0.004534	0.0016	0.000439	0.000361	0.057%
CUB	19	160	DERX3 Max	0.004168	0.003072	0.000266	0.000361	0.045%
CUB	19	160	DERX4 Max	0.004168	0.003072	0.000266	0.000361	0.045%
PISO 3	9	18	DERX1 Min	-0.00252	-0.001232	0.000495	0.000357	0.061%
PISO 3	9	18	DERX2 Min	-0.00252	-0.001232	0.000495	0.000357	0.061%
PISO 3	5	10	DERX3 Min	-0.005468	-0.002226	0.001505	0.000355	0.155%
PISO 3	5	10	DERX4 Min	-0.005468	-0.002226	0.001505	0.000355	0.155%
PISO 3	22	76	DERX3 Min	-0.002777	-0.001528	0.000592	0.000354	0.069%
PISO 3	22	76	DERX4 Min	-0.002777	-0.001528	0.000592	0.000354	0.069%
PISO 3	22	76	DERX1 Min	-0.00281	-0.001498	0.000597	0.00035	0.069%
PISO 3	22	76	DERX2 Min	-0.00281	-0.001498	0.000597	0.00035	0.069%
CUB	22	161	DERY3 Min	-0.002791	-0.011573	0.000252	0.000348	0.043%
CUB	22	161	DERY4 Min	-0.002791	-0.011573	0.000252	0.000348	0.043%
PISO 2	27	77	DERX1 Max	0.000739	0.001109	0.000228	0.000342	0.041%
PISO 2	27	77	DERX2 Max	0.000739	0.001109	0.000228	0.000342	0.041%
CUB	15	51	DERX1 Max	0.004428	0.003008	0.000482	0.00034	0.059%
CUB	15	51	DERX2 Max	0.004428	0.003008	0.000482	0.00034	0.059%
PISO 3	21	81	DERX1 Min	-0.002479	-0.001081	0.000765	0.000334	0.083%
PISO 3	21	81	DERX2 Min	-0.002479	-0.001081	0.000765	0.000334	0.083%
CUB	46	163	DERY3 Min	-0.002755	-0.000271	0.000271	0.000331	0.043%
CUB	46	163	DERY4 Min	-0.002755	-0.016826	0.000271	0.000331	0.043%
PISO 3	23	83	DERX1 Min	-0.002588	-0.001072	0.000799	0.000331	0.086%
PISO 3	23	83	DERX2 Min	-0.002588	-0.001072	0.000799	0.000331	0.086%



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Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 2	27	77	DERX3 Max	0.000754	0.001068	0.000233	0.00033	0.040%
PISO 2	27	77	DERX4 Max	0.000754	0.001068	0.000233	0.00033	0.040%
PISO 2	19	55	DERY1 Max	0.000285	0.001049	0.000088	0.000324	0.034%
PISO 2	19	55	DERY2 Max	0.000285	0.001049	0.000088	0.000324	0.034%
PISO 2	19	55	DERY3 Max	0.000301	0.001048	0.000093	0.000323	0.034%
PISO 2	19	55	DERY4 Max	0.000301	0.001048	0.000093	0.000323	0.034%
PISO 3A	5	95	DERX3 Max	0.007339	0.002359	0.00124	0.000322	0.128%
PISO 3A	5	95	DERX4 Max	0.007339	0.002359	0.00124	0.000322	0.128%
PISO 2	19	55	DERY1 Min	-0.000366	-0.001042	0.000113	0.000322	0.034%
PISO 2	19	55	DERY2 Min	-0.000366	-0.001042	0.000113	0.000322	0.034%
PISO 2	19	55	DERY3 Min	-0.00035	-0.001044	0.000108	0.000322	0.034%
PISO 2	19	55	DERY4 Min	-0.00035	-0.001044	0.000108	0.000322	0.034%
CUB	10	46	DERX3 Max	0.004498	0.00234	0.000474	0.000318	0.057%
CUB	10	46	DERX4 Max	0.004498	0.00234	0.000474	0.000318	0.057%
CUB	8	44	DERX1 Max	0.004016	0.003366	0.00035	0.000312	0.047%
CUB	8	44	DERX2 Max	0.004016	0.003366	0.00035	0.000312	0.047%
CUB	12	48	DERX3 Max	0.004516	0.001574	0.000424	0.000312	0.053%
CUB	12	48	DERX4 Max	0.004516	0.001574	0.000424	0.000312	0.053%
PISO 2	20	108	DERY1 Min	-0.001071	-0.001201	0.000197	0.000309	0.037%
PISO 2	20	108	DERY2 Min	-0.001071	-0.001201	0.000197	0.000309	0.037%
PISO 3	11	22	DERX1 Max	0.002515	0.000999	0.000776	0.000308	0.083%
PISO 3	11	22	DERX2 Max	0.002515	0.000999	0.000776	0.000308	0.083%
PISO 2	20	108	DERY3 Min	-0.001062	-0.001202	0.000195	0.000308	0.036%
PISO 2	20	108	DERY4 Min	-0.001062	-0.001202	0.000195	0.000308	0.036%
PISO 3	12	24	DERX1 Max	0.002634	0.000996	0.000813	0.000307	0.087%
PISO 3	12	24	DERX2 Max	0.002634	0.000996	0.000813	0.000307	0.087%
PISO 2	20	108	DERY1 Max	0.001026	0.001204	0.000188	0.000306	0.036%
PISO 2	20	108	DERY2 Max	0.001026	0.001204	0.000188	0.000306	0.036%
PISO 2	20	108	DERY3 Max	0.001035	0.001204	0.00019	0.000306	0.036%
PISO 2	20	108	DERY4 Max	0.001035	0.001204	0.00019	0.000306	0.036%
PISO 3	46	123	DERX1 Min	-0.002885	-0.002128	0.000673	0.000305	0.074%
PISO 3	46	123	DERX2 Min	-0.002885	-0.002128	0.000673	0.000305	0.074%
PISO 3	46	123	DERX3 Min	-0.002849	-0.002196	0.000666	0.000304	0.073%
PISO 3	46	123	DERX4 Min	-0.002849	-0.002196	0.000666	0.000304	0.073%
PISO 3	46	123	DERX3 Max	0.002739	0.002401	0.000646	0.000301	0.071%
PISO 3	46	123	DERX4 Max	0.002739	0.002401	0.000646	0.000301	0.071%
CUB	15	51	DERX3 Max	0.004419	0.002575	0.000457	0.0003	0.055%
CUB	15	51	DERX4 Max	0.004419	0.002575	0.000457	0.0003	0.055%
PISO 3	46	123	DERX1 Max	0.002703	0.00247	0.000639	0.000299	0.071%
PISO 3	46	123	DERX2 Max	0.002703	0.00247	0.000639	0.000299	0.071%
PISO 2	27	77	DERX3 Min	-0.0008	-0.000945	0.000247	0.000292	0.038%
PISO 2	27	77	DERX4 Min	-0.0008	-0.000945	0.000247	0.000292	0.038%
CUB	23	124	DERX3 Min	-0.00441	-0.002317	0.000454	0.000288	0.054%
CUB	23	124	DERX4 Min	-0.00441	-0.002317	0.000454	0.000288	0.054%
PISO 2	27	77	DERX1 Min	-0.000815	-0.000904	0.000251	0.000279	0.038%
PISO 2	27	77	DERX2 Min	-0.000815	-0.000904	0.000251	0.000279	0.038%
PISO 3	11	22	DERX3 Max	0.002523	0.000901	0.000779	0.000278	0.083%
PISO 3	11	22	DERX4 Max	0.002523	0.000901	0.000779	0.000278	0.083%
PISO 3	12	24	DERX3 Max	0.002606	0.0009	0.000804	0.000278	0.085%
PISO 3	12	24	DERX4 Max	0.002606	0.0009	0.000804	0.000278	0.085%
PISO 2	8	15	DERY1 Min	-0.00045	-0.000943	0.000115	0.000277	0.030%
PISO 2	8	15	DERY2 Min	-0.00045	-0.000943	0.000115	0.000277	0.030%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 2	8	15	DERY3 Min	-0.00044	-0.000944	0.000113	0.000277	0.030%
PISO 2	8	15	DERY4 Min	-0.00044	-0.000944	0.000113	0.000277	0.030%
PISO 2	7	13	DERY1 Min	-0.001064	-0.000917	0.000192	0.000276	0.034%
PISO 2	7	13	DERY2 Min	-0.001064	-0.000917	0.000192	0.000276	0.034%
PISO 2	7	13	DERY3 Min	-0.001055	-0.000916	0.00019	0.000276	0.034%
PISO 2	7	13	DERY4 Min	-0.001055	-0.000916	0.00019	0.000276	0.034%
PISO 2	8	15	DERY1 Max	0.000401	0.000948	0.000104	0.000274	0.029%
PISO 2	8	15	DERY2 Max	0.000401	0.000948	0.000104	0.000274	0.029%
PISO 2	8	15	DERY3 Max	0.000411	0.000947	0.000106	0.000274	0.029%
PISO 2	8	15	DERY4 Max	0.000411	0.000947	0.000106	0.000274	0.029%
PISO 2	7	13	DERY1 Max	0.00102	0.000911	0.000183	0.000273	0.033%
PISO 2	7	13	DERY2 Max	0.00102	0.000911	0.000183	0.000273	0.033%
PISO 2	7	13	DERY3 Max	0.001029	0.000912	0.000185	0.000273	0.033%
PISO 2	7	13	DERY4 Max	0.001029	0.000912	0.000185	0.000273	0.033%
CUB	8	44	DERX3 Max	0.004005	0.003179	0.000334	0.000272	0.043%
CUB	8	44	DERX4 Max	0.004005	0.003179	0.000334	0.000272	0.043%
PISO 3	27	82	DERX1 Min	-0.002855	-0.001461	0.000634	0.000271	0.069%
PISO 3	27	82	DERX2 Min	-0.002855	-0.001461	0.000634	0.000271	0.069%
PISO 3	27	82	DERX3 Min	-0.00282	-0.001497	0.000628	0.00027	0.068%
PISO 3	27	82	DERX4 Min	-0.00282	-0.001497	0.000628	0.00027	0.068%
PISO 3	27	82	DERX3 Max	0.002714	0.001608	0.000609	0.000266	0.066%
PISO 3	27	82	DERX4 Max	0.002714	0.001608	0.000609	0.000266	0.066%
PISO 3	27	82	DERX1 Max	0.002679	0.001645	0.000603	0.000265	0.066%
PISO 3	27	82	DERX2 Max	0.002679	0.001645	0.000603	0.000265	0.066%
CUB	13	49	DERX1 Max	0.004381	0.001975	0.000412	0.000263	0.049%
CUB	13	49	DERX2 Max	0.004381	0.001975	0.000412	0.000263	0.049%
CUB	23	124	DERX1 Min	-0.0044	-0.001842	0.000468	0.000259	0.053%
CUB	23	124	DERX2 Min	-0.0044	-0.001842	0.000468	0.000259	0.053%
PISO 1	4	58	DERX1 Min	-0.000365	-0.000725	0.00013	0.000259	0.029%
PISO 1	4	58	DERX2 Min	-0.000365	-0.000725	0.00013	0.000259	0.029%
PISO 1	39	323	DERX1 Min	-0.000312	-0.000726	0.000111	0.000259	0.028%
PISO 1	39	323	DERX2 Min	-0.000312	-0.000726	0.000111	0.000259	0.028%
PISO 1	4	58	DERX3 Min	-0.000366	-0.000716	0.000131	0.000256	0.029%
PISO 1	4	58	DERX4 Min	-0.000366	-0.000716	0.000131	0.000256	0.029%
PISO 1	39	323	DERX3 Min	-0.000302	-0.000715	0.000108	0.000255	0.028%
PISO 1	39	323	DERX4 Min	-0.000302	-0.000715	0.000108	0.000255	0.028%
PISO 3	13	26	DERX1 Max	0.002537	0.000812	0.000783	0.000251	0.082%
PISO 3	13	26	DERX2 Max	0.002537	0.000812	0.000783	0.000251	0.082%
PISO 3A	5	95	DERY3 Min	-0.010937	-0.003998	0.001954	0.00025	0.197%
PISO 3A	5	95	DERY4 Min	-0.010937	-0.003998	0.001954	0.00025	0.197%
PISO 3	14	28	DERX1 Max	0.002638	0.000806	0.000814	0.000249	0.085%
PISO 3	14	28	DERX2 Max	0.002638	0.000806	0.000814	0.000249	0.085%
PISO 1	4	58	DERX3 Max	0.000371	0.000689	0.000132	0.000246	0.028%
PISO 1	4	58	DERX4 Max	0.000371	0.000689	0.000132	0.000246	0.028%
PISO 1	39	323	DERX3 Max	0.000272	0.000682	0.000097	0.000244	0.026%
PISO 1	39	323	DERX4 Max	0.000272	0.000682	0.000097	0.000244	0.026%
PISO 1	4	58	DERX1 Max	0.000372	0.00068	0.000133	0.000243	0.028%
PISO 1	4	58	DERX2 Max	0.000372	0.00068	0.000133	0.000243	0.028%
PISO 1	39	323	DERX1 Max	0.000262	0.000671	0.000093	0.00024	0.026%
PISO 1	39	323	DERX2 Max	0.000262	0.000671	0.000093	0.00024	0.026%
PISO 2	5	9	DERX1 Max	0.0011	0.001117	0.000247	0.000231	0.034%
PISO 2	5	9	DERX2 Max	0.0011	0.001117	0.000247	0.000231	0.034%



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TABLE: Joint Drifts

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				m	m			
PISO 2	5	9 DEX3 Max		0.00111	0.001114	0.00025	0.00023	0.034%
PISO 2	5	9 DEX4 Max		0.00111	0.001114	0.00025	0.00023	0.034%
PISO 2	5	9 DEX3 Min		-0.00114	-0.001104	0.000258	0.000228	0.034%
PISO 2	5	9 DEX4 Min		-0.00114	-0.001104	0.000258	0.000228	0.034%
PISO 2	5	9 DEX1 Min		-0.001151	-0.001101	0.000261	0.000227	0.035%
PISO 2	5	9 DEX2 Min		-0.001151	-0.001101	0.000261	0.000227	0.035%
PISO 3	5	10 DEX3 Max		0.005269	0.001818	0.001453	0.000226	0.147%
PISO 3	5	10 DEX4 Max		0.005269	0.001818	0.001453	0.000226	0.147%
CUB	13	49 DEX3 Max		0.004375	0.001595	0.000412	0.000222	0.047%
CUB	13	49 DEX4 Max		0.004375	0.001595	0.000412	0.000222	0.047%
PISO 3	15	30 DEX3 Min		-0.002581	-0.000699	0.000797	0.000216	0.083%
PISO 3	15	30 DEX4 Min		-0.002581	-0.000699	0.000797	0.000216	0.083%
PISO 3	16	32 DEX3 Min		-0.002515	-0.0007	0.000776	0.000216	0.081%
PISO 3	16	32 DEX4 Min		-0.002515	-0.0007	0.000776	0.000216	0.081%
PISO 3	13	26 DEX3 Max		0.002545	0.000678	0.000785	0.000209	0.081%
PISO 3	13	26 DEX4 Max		0.002545	0.000678	0.000785	0.000209	0.081%
PISO 3	14	28 DEX3 Max		0.002608	0.000674	0.000805	0.000208	0.083%
PISO 3	14	28 DEX4 Max		0.002608	0.000674	0.000805	0.000208	0.083%
CUB	12	48 DEX1 Min		-0.004242	-0.000269	0.000387	0.000204	0.044%
CUB	12	48 DEX2 Min		-0.004242	-0.000269	0.000387	0.000204	0.044%
CUB	22	161 DERY1 Min		-0.00285	-0.011313	0.000254	0.000202	0.032%
CUB	22	161 DERY2 Min		-0.00285	-0.011313	0.000254	0.000202	0.032%
PISO 1	5	59 DERY1 Max		0.000481	0.000565	0.000172	0.000202	0.027%
PISO 1	5	59 DERY2 Max		0.000481	0.000565	0.000172	0.000202	0.027%
PISO 1	5	59 DERY3 Max		0.000482	0.000565	0.000172	0.000202	0.027%
PISO 1	5	59 DERY4 Max		0.000482	0.000565	0.000172	0.000202	0.027%
PISO 1	5	59 DERY1 Min		-0.000486	-0.000563	0.000174	0.000201	0.027%
PISO 1	5	59 DERY2 Min		-0.000486	-0.000563	0.000174	0.000201	0.027%
PISO 1	5	59 DERY3 Min		-0.000485	-0.000563	0.000173	0.000201	0.027%
PISO 1	5	59 DERY4 Min		-0.000485	-0.000563	0.000173	0.000201	0.027%
PISO 2	22	73 DEX1 Max		0.000809	0.000643	0.00025	0.000198	0.032%
PISO 2	22	73 DEX2 Max		0.000809	0.000643	0.00025	0.000198	0.032%
CUB	46	163 DEX1 Min		-0.00464	-0.000082	0.000443	0.000194	0.048%
CUB	46	163 DEX2 Min		-0.00464	-0.000082	0.000443	0.000194	0.048%
PISO 2	22	73 DEX3 Max		0.000825	0.000625	0.000255	0.000193	0.032%
PISO 2	22	73 DEX4 Max		0.000825	0.000625	0.000255	0.000193	0.032%
CUB	21	122 DEX3 Min		-0.004381	-0.002312	0.000445	0.000192	0.048%
CUB	21	122 DEX4 Min		-0.004381	-0.002312	0.000445	0.000192	0.048%
PISO 3	12	24 DEX3 Min		-0.002522	-0.00061	0.000778	0.000188	0.080%
PISO 3	12	24 DEX4 Min		-0.002522	-0.00061	0.000778	0.000188	0.080%
PISO 3	11	22 DEX3 Min		-0.002545	-0.000606	0.000785	0.000187	0.081%
PISO 3	11	22 DEX4 Min		-0.002545	-0.000606	0.000785	0.000187	0.081%
PISO 3	5	10 DEX1 Max		0.005202	0.001681	0.001435	0.000183	0.145%
PISO 3	5	10 DEX2 Max		0.005202	0.001681	0.001435	0.000183	0.145%
CUB	15	51 DEX3 Min		-0.004394	-0.001275	0.000384	0.00018	0.042%
CUB	15	51 DEX4 Min		-0.004394	-0.001275	0.000384	0.00018	0.042%
CUB	11	47 DEX1 Max		0.004311	0.001896	0.000397	0.000179	0.044%
CUB	11	47 DEX2 Max		0.004311	0.001896	0.000397	0.000179	0.044%
CUB	22	161 DEX1 Min		-0.004559	-0.001333	0.000396	0.000177	0.043%
CUB	22	161 DEX2 Min		-0.004559	-0.001333	0.000396	0.000177	0.043%
CUB	9	45 DEX1 Max		0.004201	0.002625	0.000434	0.000176	0.047%
CUB	9	45 DEX2 Max		0.004201	0.002625	0.000434	0.000176	0.047%

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Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{1/2}$
				m	m			
PISO 2	22	73 DEX3 Min		-0.000872	-0.000572	0.000269	0.000176	0.032%
PISO 2	22	73 DEX4 Min		-0.000872	-0.000572	0.000269	0.000176	0.032%
PISO 2	20	108 DEX1 Min		-0.001149	-0.000691	0.000256	0.000173	0.031%
PISO 2	20	108 DEX2 Min		-0.001149	-0.000691	0.000256	0.000173	0.031%
PISO 2	20	108 DEX3 Min		-0.00114	-0.000692	0.000254	0.000173	0.031%
PISO 2	20	108 DEX4 Min		-0.00114	-0.000692	0.000254	0.000173	0.031%
CUB	10	46 DEX1 Min		-0.004207	-0.001297	0.000441	0.000172	0.047%
CUB	10	46 DEX2 Min		-0.004207	-0.001297	0.000441	0.000172	0.047%
PISO 2	20	108 DEX3 Max		0.001113	0.000694	0.000249	0.000171	0.030%
PISO 2	20	108 DEX4 Max		0.001113	0.000694	0.000249	0.000171	0.030%
PISO 2	22	73 DEX1 Min		-0.000887	-0.000554	0.000274	0.000171	0.032%
PISO 2	22	73 DEX2 Min		-0.000887	-0.000554	0.000274	0.000171	0.032%
PISO 2	20	108 DEX1 Max		0.001104	0.000694	0.000247	0.00017	0.030%
PISO 2	20	108 DEX2 Max		0.001104	0.000694	0.000247	0.00017	0.030%
PISO 2	19	55 DEX1 Max		0.000888	0.000535	0.000274	0.000165	0.032%
PISO 2	19	55 DEX2 Max		0.000888	0.000535	0.000274	0.000165	0.032%
PISO 2	19	55 DEX3 Max		0.000904	0.000534	0.000279	0.000165	0.032%
PISO 2	19	55 DEX4 Max		0.000904	0.000534	0.000279	0.000165	0.032%
PISO 3	16	32 DEX1 Min		-0.002483	-0.000531	0.000766	0.000164	0.078%
PISO 3	16	32 DEX2 Min		-0.002483	-0.000531	0.000766	0.000164	0.078%
PISO 3	15	30 DEX1 Min		-0.00259	-0.000527	0.000799	0.000163	0.082%
PISO 3	15	30 DEX2 Min		-0.00259	-0.000527	0.000799	0.000163	0.082%
PISO 2	19	55 DEX1 Min		-0.000969	-0.000528	0.000299	0.000163	0.034%
PISO 2	19	55 DEX2 Min		-0.000969	-0.000528	0.000299	0.000163	0.034%
PISO 2	19	55 DEX3 Min		-0.000953	-0.00053	0.000294	0.000163	0.034%
PISO 2	19	55 DEX4 Min		-0.000953	-0.00053	0.000294	0.000163	0.034%
PISO 3A	5	95 DERY1 Min		-0.011086	-0.003984	0.002003	0.000162	0.201%
PISO 3A	5	95 DERY2 Min		-0.011086	-0.003984	0.002003	0.000162	0.201%
PISO 3	12	24 DEX1 Min		-0.002494	-0.000514	0.00077	0.000159	0.079%
PISO 3	12	24 DEX2 Min		-0.002494	-0.000514	0.00077	0.000159	0.079%
PISO 3	11	22 DEX1 Min		-0.002552	-0.000507	0.000788	0.000157	0.080%
PISO 3	11	22 DEX2 Min		-0.002552	-0.000507	0.000788	0.000157	0.080%
CUB	46	163 DERY1 Min		-0.002809	-0.016447	0.000294	0.000156	0.033%
CUB	46	163 DERY2 Min		-0.002809	-0.016447	0.000294	0.000156	0.033%
CUB	9	45 DEX3 Max		0.004195	0.002366	0.000434	0.000155	0.046%
CUB	9	45 DEX4 Max		0.004195	0.002366	0.000434	0.000155	0.046%
CUB	27	162 DERY3 Min		-0.002771	-0.014205	0.000244	0.000152	0.029%
CUB	27	162 DERY4 Min		-0.002771	-0.014205	0.000244	0.000152	0.029%
CUB	8	44 DEX3 Min		-0.003974	-0.002619	0.000285	0.000151	0.032%
CUB	8	44 DEX4 Min		-0.003974	-0.002619	0.000285	0.000151	0.032%
CUB	11	47 DEX3 Max		0.004305	0.001573	0.000394	0.00015	0.042%
CUB	11	47 DEX4 Max		0.004305	0.001573	0.000394	0.00015	0.042%
PISO 2	7	13 DEX1 Min		-0.001163	-0.000497	0.000259	0.000149	0.030%
PISO 2	7	13 DEX2 Min		-0.001163	-0.000497	0.000259	0.000149	0.030%
PISO 2	7	13 DEX3 Min		-0.001154	-0.000496	0.000258	0.000148	0.030%
PISO 2	7	13 DEX4 Min		-0.001154	-0.000496	0.000258	0.000148	0.030%
PISO 2	8	15 DEX1 Min		-0.000975	-0.0005	0.000258	0.000148	0.030%
PISO 2	8	15 DEX2 Min		-0.000975	-0.0005	0.000258	0.000148	0.030%
PISO 2	8	15 DEX3 Min		-0.000965	-0.000501	0.000255	0.000148	0.029%
PISO 2	8	15 DEX4 Min		-0.000965	-0.000501	0.000255	0.000148	0.029%
PISO 2	7	13 DEX3 Max		0.001127	0.000493	0.000253	0.000146	0.029%
PISO 2	7	13 DEX4 Max		0.001127	0.000493	0.000253	0.000146	0.029%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>
				m	m			
PISO 2	8	15	DERX3 Max	0.000935	0.000504	0.000248	0.000146	0.029%
PISO 2	8	15	DERX4 Max	0.000935	0.000504	0.000248	0.000146	0.029%
PISO 2	7	13	DERX1 Max	0.001119	0.000491	0.000251	0.000145	0.029%
PISO 2	7	13	DERX2 Max	0.001119	0.000491	0.000251	0.000145	0.029%
PISO 2	8	15	DERX1 Max	0.000925	0.000505	0.000246	0.000145	0.029%
PISO 2	8	15	DERX2 Max	0.000925	0.000505	0.000246	0.000145	0.029%
CUB	15	51	DERX1 Min	-0.004385	-0.000841	0.000359	0.00014	0.039%
CUB	15	51	DERX2 Min	-0.004385	-0.000841	0.000359	0.00014	0.039%
CUB	27	162	DERX3 Min	-0.004543	-0.000609	0.000387	0.000139	0.041%
CUB	27	162	DERX4 Min	-0.004543	-0.000609	0.000387	0.000139	0.041%
CUB	14	50	DERX1 Min	-0.004278	-0.00006	0.000406	0.000136	0.043%
CUB	14	50	DERX2 Min	-0.004278	-0.00006	0.000406	0.000136	0.043%
PISO 1	5	59	DERX1 Max	0.000359	0.00037	0.000128	0.000132	0.018%
PISO 1	5	59	DERX2 Max	0.000359	0.00037	0.000128	0.000132	0.018%
PISO 1	5	59	DERX3 Max	0.00036	0.000369	0.000129	0.000132	0.018%
PISO 1	5	59	DERX4 Max	0.00036	0.000369	0.000129	0.000132	0.018%
PISO 1	5	59	DERX1 Min	-0.000364	-0.000368	0.00013	0.000131	0.018%
PISO 1	5	59	DERX2 Min	-0.000364	-0.000368	0.00013	0.000131	0.018%
PISO 1	5	59	DERX3 Min	-0.000363	-0.000368	0.00013	0.000131	0.018%
PISO 1	5	59	DERX4 Min	-0.000363	-0.000368	0.00013	0.000131	0.018%
CUB	7	43	DERX3 Min	-0.002664	-0.000526	0.000119		0.054%
CUB	7	43	DERX4 Min	-0.004302	-0.002664	0.000526	0.000119	0.054%
CUB	19	160	DERX1 Min	-0.004419	-0.002341	0.000414	0.000119	0.043%
CUB	19	160	DERX2 Min	-0.004419	-0.002341	0.000414	0.000119	0.043%
CUB	8	44	DERX1 Min	-0.003963	-0.002432	0.000268	0.000111	0.029%
CUB	8	44	DERX2 Min	-0.003963	-0.002432	0.000268	0.000111	0.029%
CUB	13	49	DERX3 Min	-0.004356	-0.000454	0.000411	0.000101	0.042%
CUB	13	49	DERX4 Min	-0.004356	-0.000454	0.000411	0.000101	0.042%
CUB	21	122	DERX1 Min	-0.004324	-0.001832	0.000449	0.000099	0.046%
CUB	21	122	DERX2 Min	-0.004324	-0.001832	0.000449	0.000099	0.046%
PISO 2	10	19	DERY1 Max	0.001017	0.000306	0.000314	0.000095	0.033%
PISO 2	10	19	DERY2 Max	0.001017	0.000306	0.000314	0.000095	0.033%
CUB	9	45	DERX3 Min	-0.004177	-0.001589	0.000436	0.000094	0.045%
CUB	9	45	DERX4 Min	-0.004177	-0.001589	0.000436	0.000094	0.045%
PISO 2	10	19	DERY3 Max	0.001025	0.000302	0.000316	0.000093	0.033%
PISO 2	10	19	DERY4 Max	0.001025	0.000302	0.000316	0.000093	0.033%
PISO 2	10	19	DERY3 Min	-0.001048	-0.00029	0.000323	0.000089	0.034%
PISO 2	10	19	DERY4 Min	-0.001048	-0.00029	0.000323	0.000089	0.034%
PISO 2	10	19	DERY1 Min	-0.001055	-0.000286	0.000326	0.000088	0.034%
PISO 2	10	19	DERY2 Min	-0.001055	-0.000286	0.000326	0.000088	0.034%
PISO 3	14	28	DERX3 Min	-0.002519	-0.00028	0.000777	0.000086	0.078%
PISO 3	14	28	DERX4 Min	-0.002519	-0.00028	0.000777	0.000086	0.078%
PISO 3	13	26	DERX3 Min	-0.002569	-0.000277	0.000793	0.000085	0.080%
PISO 3	13	26	DERX4 Min	-0.002569	-0.000277	0.000793	0.000085	0.080%
PISO 1	20	110	DERY1 Max	0.000476	0.000224	0.00017	0.00008	0.019%
PISO 1	20	110	DERY2 Max	0.000476	0.000224	0.00017	0.00008	0.019%
PISO 1	20	110	DERY3 Max	0.000479	0.000222	0.000171	0.000079	0.019%
PISO 1	20	110	DERY4 Max	0.000479	0.000222	0.000171	0.000079	0.019%
CUB	16	52	DERX3 Min	-0.004367	-0.001276	0.000419	0.000078	0.043%
CUB	16	52	DERX4 Min	-0.004367	-0.001276	0.000419	0.000078	0.043%
PISO 1	20	110	DERY3 Min	-0.000489	-0.000214	0.000175	0.000077	0.019%
PISO 1	20	110	DERY4 Min	-0.000489	-0.000214	0.000175	0.000077	0.019%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	(dx <sup>2</sup> +dy <sup>2</sup> ) <sup>0.5</sup>
				m	m			
PISO 1	20	110	DERY1 Min	-0.000493	-0.000212	0.000176	0.000076	0.019%
PISO 1	20	110	DERY2 Min	-0.000493	-0.000212	0.000176	0.000076	0.019%
CUB	12	48	DERX3 Min	-0.00431	-0.000595	0.000396	0.000075	0.040%
CUB	12	48	DERX4 Min	-0.00431	-0.000595	0.000396	0.000075	0.040%
CUB	9	45	DERX1 Min	-0.004171	-0.00133	0.000437	0.000073	0.044%
CUB	9	45	DERX2 Min	-0.004171	-0.00133	0.000437	0.000073	0.044%
CUB	11	47	DERX3 Min	-0.004288	-0.000603	0.000383	0.000062	0.039%
CUB	11	47	DERX4 Min	-0.004288	-0.000603	0.000383	0.000062	0.039%
CUB	13	49	DERX1 Min	-0.00435	-0.000074	0.00041	0.00006	0.041%
CUB	13	49	DERX2 Min	-0.00435	-0.000074	0.00041	0.00006	0.041%
PISO 1	9	63	DERY1 Max	0.000035	0.000164	0.000012	0.000059	0.006%
PISO 1	9	63	DERY2 Max	0.000035	0.000164	0.000012	0.000059	0.006%
PISO 3A	5	95	DERX3 Min	-0.007788	-0.002317	0.001386	0.000058	0.139%
PISO 3A	5	95	DERX4 Min	-0.007788	-0.002317	0.001386	0.000058	0.139%
PISO 1	9	63	DERY3 Max	0.000031	0.000157	0.000011	0.000056	0.006%
PISO 1	9	63	DERY4 Max	0.000031	0.000157	0.000011	0.000056	0.006%
PISO 1	20	110	DERX1 Max	0.000353	0.000145	0.000126	0.000052	0.014%
PISO 1	20	110	DERX2 Max	0.000353	0.000145	0.000126	0.000052	0.014%
PISO 1	20	110	DERX3 Max	0.000357	0.000143	0.000127	0.000051	0.014%
PISO 1	20	110	DERX4 Max	0.000357	0.000143	0.000127	0.000051	0.014%
PISO 2	9	17	DERY1 Min	-0.000458	-0.000287	0.00014	0.00005	0.015%
PISO 2	9	17	DERY2 Min	-0.000458	-0.000287	0.00014	0.00005	0.015%
CUB	10	46	DERX3 Min	-0.00428	-0.001557	0.000449	0.000049	0.045%
CUB	10	46	DERX4 Min	-0.00428	-0.001557	0.000449	0.000049	0.045%
CUB	16	52	DERX1 Min	-0.004307	-0.00084	0.000412	0.000048	0.041%
CUB	16	52	DERX2 Min	-0.004307	-0.00084	0.000412	0.000048	0.041%
PISO 2	9	17	DERY3 Min	-0.000447	-0.000286	0.000135	0.000048	0.014%
PISO 2	9	17	DERY4 Min	-0.000447	-0.000286	0.000135	0.000048	0.014%
PISO 1	20	110	DERX3 Min	-0.000367	-0.000135	0.000131	0.000048	0.014%
PISO 1	20	110	DERX4 Min	-0.000367	-0.000135	0.000131	0.000048	0.014%
PISO 1	9	63	DERY3 Min	-0.00002	-0.000133	0.000007	0.000047	0.005%
PISO 1	9	63	DERY4 Min	-0.00002	-0.000133	0.000007	0.000047	0.005%
PISO 1	20	110	DERX1 Min	-0.00037	-0.000133	0.000132	0.000047	0.014%
PISO 1	20	110	DERX2 Min	-0.00037	-0.000133	0.000132	0.000047	0.014%
PISO 3	14	28	DERX1 Min	-0.002489	-0.000149	0.000768	0.000046	0.077%
PISO 3	14	28	DERX2 Min	-0.002489	-0.000149	0.000768	0.000046	0.077%
PISO 1	9	63	DERY1 Min	-0.000016	-0.000125	0.000006	0.000045	0.005%
PISO 1	9	63	DERY2 Min	-0.000016	-0.000125	0.000006	0.000045	0.005%
PISO 3	13	26	DERX1 Min	-0.002576	-0.000143	0.000795	0.000044	0.080%
PISO 3	13	26	DERX2 Min	-0.002576	-0.000143	0.000795	0.000044	0.080%
PISO 2	9	17	DERY3 Max	0.000413	0.000282	0.000122	0.000039	0.013%
PISO 2	9	17	DERY4 Max	0.000413	0.000282	0.000122	0.000039	0.013%
CUB	7	43	DERX1 Min	-0.004229	-0.00247	0.000509	0.000036	0.051%
CUB	7	43	DERX2 Min	-0.004229	-0.00247	0.000509	0.000036	0.051%
PISO 2	9	17	DERY1 Max	0.000402	0.000281	0.000117	0.000036	0.012%
PISO 2	9	17	DERY2 Max	0.000402	0.000281	0.000117	0.000036	0.012%
CUB	27	162	DERX1 Min	-0.004599	-0.000285	0.000389	0.000035	0.039%
CUB	27	162	DERX2 Min	-0.004599	-0.000285	0.000389	0.000035	0.039%
CUB	11	47	DERX1 Min	-0.004283	-0.000279	0.000379	0.000033	0.038%
CUB	11	47	DERX2 Min	-0.004283	-0.000279	0.000379	0.000033	0.038%
CUB	22	161	DERX3 Min	-0.0045	-0.001593	0.000395	0.000031	0.040%
CUB	22	161	DERX4 Min	-0.0045	-0.001593	0.000395	0.000031	0.040%

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TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 3A	5	95	DERX1 Min	-0.007938	-0.002303	0.001435	0.000031	0.144%
PISO 3A	5	95	DERX2 Min	-0.007938	-0.002303	0.001435	0.000031	0.144%
PISO 2	10	19	DERX1 Max	0.001136	0.000101	0.000351	0.000031	0.035%
PISO 2	10	19	DERX2 Max	0.001136	0.000101	0.000351	0.000031	0.035%
PISO 1	9	63	DERX1 Max	0.000053	0.000088	0.000019	0.000031	0.004%
PISO 1	9	63	DERX2 Max	0.000053	0.000088	0.000019	0.000031	0.004%
PISO 2	10	19	DERX3 Max	0.001144	0.000097	0.000353	0.00003	0.035%
PISO 2	10	19	DERX4 Max	0.001144	0.000097	0.000353	0.00003	0.035%
PISO 1	9	63	DERX3 Max	0.00005	0.00008	0.000018	0.000029	0.003%
PISO 1	9	63	DERX4 Max	0.00005	0.00008	0.000018	0.000029	0.003%
PISO 2	10	19	DERX3 Min	-0.001167	-0.000085	0.00036	0.000026	0.036%
PISO 2	10	19	DERX4 Min	-0.001167	-0.000085	0.00036	0.000026	0.036%
PISO 1	8	62	DERY1 Max	0.000068	0.000072	0.000024	0.000026	0.004%
PISO 1	8	62	DERY2 Max	0.000068	0.000072	0.000024	0.000026	0.004%
PISO 2	10	19	DERX1 Min	-0.001175	-0.000081	0.000363	0.000025	0.036%
PISO 2	10	19	DERX2 Min	-0.001175	-0.000081	0.000363	0.000025	0.036%
PISO 1	8	62	DERY3 Max	0.00007	0.000069	0.000025	0.000025	0.004%
PISO 1	8	62	DERY4 Max	0.00007	0.000069	0.000025	0.000025	0.004%
CUB	27	162	DERY1 Min	-0.002828	-0.013881	0.000246	0.000022	0.025%
CUB	27	162	DERY2 Min	-0.002828	-0.013881	0.000246	0.000022	0.025%
PISO 1	8	62	DERY3 Min	-0.000077	-0.000059	0.000027	0.000021	0.003%
PISO 1	8	62	DERY4 Min	-0.000077	-0.000059	0.000027	0.000021	0.003%
PISO 2	9	17	DERX1 Min	-0.000932	-0.000109	0.000277	0.00002	0.028%
PISO 2	9	17	DERX2 Min	-0.000932	-0.000109	0.000277	0.00002	0.028%
PISO 1	8	62	DERY1 Min	-0.000079	-0.000055	0.000028	0.00002	0.003%
PISO 1	8	62	DERY2 Min	-0.000079	-0.000055	0.000028	0.00002	0.003%
PISO 1	9	63	DERX3 Min	-0.000038	-0.000056	0.000014	0.00002	0.002%
PISO 1	9	63	DERX4 Min	-0.000038	-0.000056	0.000014	0.00002	0.002%
PISO 1	8	62	DERX1 Max	0.00013	0.000051	0.000047	0.000018	0.005%
PISO 1	8	62	DERX2 Max	0.00013	0.000051	0.000047	0.000018	0.005%
PISO 2	9	17	DERX3 Min	-0.00092	-0.000108	0.000272	0.000017	0.027%
PISO 2	9	17	DERX4 Min	-0.00092	-0.000108	0.000272	0.000017	0.027%
PISO 1	8	62	DERX3 Max	0.000133	0.000047	0.000047	0.000017	0.005%
PISO 1	8	62	DERX4 Max	0.000133	0.000047	0.000047	0.000017	0.005%
PISO 1	9	63	DERX1 Min	-0.000035	-0.000048	0.000012	0.000017	0.002%
PISO 1	9	63	DERX2 Min	-0.000035	-0.000048	0.000012	0.000017	0.002%
PISO 1	7	61	DERY1 Max	0.000475	0.000045	0.00017	0.000016	0.017%
PISO 1	7	61	DERY2 Max	0.000475	0.000045	0.00017	0.000016	0.017%
PISO 1	7	61	DERY3 Max	0.000479	0.000043	0.000171	0.000015	0.017%
PISO 1	7	61	DERY4 Max	0.000479	0.000043	0.000171	0.000015	0.017%
PISO 1	7	61	DERY1 Min	-0.000492	-0.000038	0.000176	0.000014	0.018%
PISO 1	7	61	DERY2 Min	-0.000492	-0.000038	0.000176	0.000014	0.018%
PISO 1	7	61	DERY3 Min	-0.000489	-0.00004	0.000175	0.000014	0.018%
PISO 1	7	61	DERY4 Min	-0.000489	-0.00004	0.000175	0.000014	0.018%
PISO 1	8	62	DERX3 Min	-0.000139	-0.000037	0.00005	0.000013	0.005%
PISO 1	8	62	DERX4 Min	-0.000139	-0.000037	0.00005	0.000013	0.005%
PISO 1	8	62	DERX1 Min	-0.000141	-0.000034	0.000051	0.000012	0.005%
PISO 1	8	62	DERX2 Min	-0.000141	-0.000034	0.000051	0.000012	0.005%
CUB	14	50	DERX3 Min	-0.004342	-0.000445	0.000414	0.000011	0.041%
CUB	14	50	DERX4 Min	-0.004342	-0.000445	0.000414	0.000011	0.041%
PISO 1	7	61	DERX1 Max	0.000354	0.000027	0.000126	0.00001	0.013%
PISO 1	7	61	DERX2 Max	0.000354	0.000027	0.000126	0.00001	0.013%

JARDIN INFANTIL ARBOLEDA SANTA TERESITA  
VERIFICACION DE DERIVAS MASXIMAS EN EL UMBRAL DE DAÑO  
SEPTIEMBRE 9 DE 2018

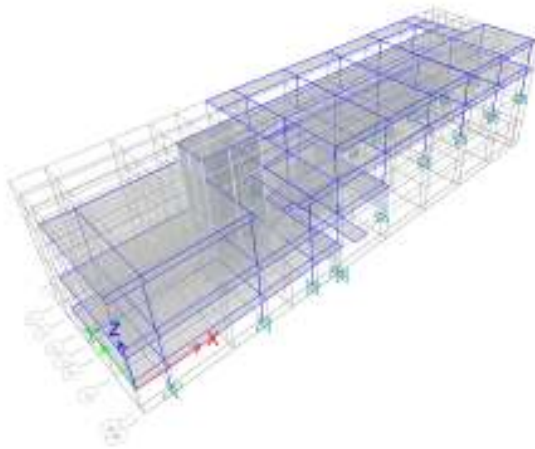
TABLE: Joint Drifts

Story	Label	Unique Name	Load Case/Combo	Displacement X	Displacement Y	Drift X	Drift Y	$(dx^2+dy^2)^{0.5}$
				m	m			
PISO 2	9	17	DERX3 Max	0.000887	0.000104	0.000259	0.000009	0.026%
PISO 2	9	17	DERX4 Max	0.000887	0.000104	0.000259	0.000009	0.026%
PISO 1	7	61	DERX3 Max	0.000358	0.000026	0.000128	0.000009	0.013%
PISO 1	7	61	DERX4 Max	0.000358	0.000026	0.000128	0.000009	0.013%
PISO 1	7	61	DERX3 Min	-0.000368	-0.000022	0.000131	0.000008	
PISO 1	7	61	DERX4 Min	-0.000368	-0.000022	0.000131	0.000008	
PISO 1	7	61	DERX1 Min	-0.000371	-0.000021	0.000133	0.000007	
PISO 1	7	61	DERX2 Min	-0.000371	-0.000021	0.000133	0.000007	
PISO 2	9	17	DERX1 Max	0.000876	0.000103	0.000254	0.000006	
PISO 2	9	17	DERX2 Max	0.000876	0.000103	0.000254	0.000006	
CUB	19	160	DERX3 Min	-0.004356	-0.002524	0.000377	0.000001	
CUB	19	160	DERX4 Min	-0.004356	-0.002524	0.000377	0.000001	

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## FUERZAS INTERNAS MODULO 1

Model File: JARDIN INFANTIL SANTA TERESITA, Revision 1  
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Table 1.2 Beam Forces

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### 1 Analysis Results

This chapter provides analysis results.

#### 1.1 Line Results

Table 1.1 - Column Forces (Part 1 of 2)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	C7	25	ENVE DISEÑO Max	0	-5.7435	3.5562	0.7295	0.7122	4.5501	0.7927	25
CUB	C7	25	ENVE DISEÑO Max	0.3467	-5.5937	3.5562	0.7295	0.7122	6.6375	2.2703	25
CUB	C7	25	ENVE DISEÑO Max	0.6933	-5.444	3.5562	0.7295	0.7122	8.8301	3.772	25
CUB	C7	25	ENVE DISEÑO Max	1.04	-5.2942	3.5562	0.7295	0.7122	11.0801	5.2751	25
CUB	C7	25	ENVE DISEÑO Min	0	-17.0241	-4.339	-6.8074	-0.6246	-1.8614	-0.6383	25
CUB	C7	25	ENVE DISEÑO Min	0.3467	-16.8244	-4.339	-6.8074	-0.6246	-1.8418	-1.8445	25
CUB	C7	25	ENVE DISEÑO Min	0.6933	-16.6247	-4.339	-6.8074	-0.6246	-1.9274	-3.0748	25
CUB	C7	25	ENVE DISEÑO Min	1.04	-16.4251	-4.339	-6.8074	-0.6246	-2.0704	-4.3065	25
CUB	C8	26	ENVE DISEÑO Max	0	-11.3058	2.6737	9.0419	0.7604	3.8546	1.9794	26
CUB	C8	26	ENVE DISEÑO Max	0.3467	-11.1561	2.6737	9.0419	0.7604	5.5469	3.4668	26
CUB	C8	26	ENVE DISEÑO Max	0.6933	-11.0063	2.6737	9.0419	0.7604	7.3009	4.9552	26
CUB	C8	26	ENVE DISEÑO Max	1.04	-10.8566	2.6737	9.0419	0.7604	9.0796	6.4438	26
CUB	C8	26	ENVE DISEÑO Min	0	-24.5409	-4.295	-5.2319	-0.6797	-4.724	-1.2997	26
CUB	C8	26	ENVE DISEÑO Min	0.3467	-24.3413	-4.295	-5.2319	-0.6797	-7.7372	-2.225	26
CUB	C8	26	ENVE DISEÑO Min	0.6933	-24.1416	-4.295	-5.2319	-0.6797	-10.812	-3.1513	26
CUB	C8	26	ENVE DISEÑO Min	1.04	-23.9419	-4.295	-5.2319	-0.6797	-13.9115	-4.0778	26
CUB	C9	27	ENVE DISEÑO Max	0	-24.8215	2.305	13.0542	0.7069	5.883	0.7491	27
CUB	C9	27	ENVE DISEÑO Max	0.3467	-24.6717	2.305	13.0542	0.7069	7.6795	1.3628	27
CUB	C9	27	ENVE DISEÑO Max	0.6933	-24.5219	2.305	13.0542	0.7069	9.53	1.9864	27
CUB	C9	27	ENVE DISEÑO Max	1.04	-24.3722	2.305	13.0542	0.7069	11.4085	2.6127	27
CUB	C9	27	ENVE DISEÑO Min	0	-40.667	-1.8154	-5.5826	-0.6201	-9.681	-1.0204	27
CUB	C9	27	ENVE DISEÑO Min	0.3467	-40.434	-1.8154	-5.5826	-0.6201	-14.0676	-1.8039	27
CUB	C9	27	ENVE DISEÑO Min	0.6933	-40.201	-1.8154	-5.5826	-0.6201	-18.5083	-2.5971	27
CUB	C9	27	ENVE DISEÑO Min	1.04	-39.9681	-1.8154	-5.5826	-0.6201	-22.977	-3.3932	27
CUB	C10	28	ENVE DISEÑO Max	0	-15.0774	5.7333	1.192	0.7574	7.6358	1.9868	28
CUB	C10	28	ENVE DISEÑO Max	0.3467	-14.9276	5.7333	1.192	0.7574	11.5849	3.6214	28
CUB	C10	28	ENVE DISEÑO Max	0.6933	-14.7779	5.7333	1.192	0.7574	15.6164	5.2657	28
CUB	C10	28	ENVE DISEÑO Max	1.04	-14.6281	5.7333	1.192	0.7574	19.6921	6.9128	28
CUB	C10	28	ENVE DISEÑO Min	0	-29.4267	-4.7601	-12.0335	-0.6827	-2.4142	-2.39	28
CUB	C10	28	ENVE DISEÑO Min	0.3467	-29.1937	-4.7601	-12.0335	-0.6827	-2.6049	-4.362	28
CUB	C10	28	ENVE DISEÑO Min	0.6933	-28.9607	-4.7601	-12.0335	-0.6827	-2.8781	-6.3437	28
CUB	C10	28	ENVE DISEÑO Min	1.04	-28.7278	-4.7601	-12.0335	-0.6827	-3.1954	-8.3281	28
CUB	C11	29	ENVE DISEÑO Max	0	-23.2618	1.8013	16.4871	0.7828	7.559	1.3235	29
CUB	C11	29	ENVE DISEÑO Max	0.3467	-23.1121	1.8013	16.4871	0.7828	10.392	1.8067	29
CUB	C11	29	ENVE DISEÑO Max	0.6933	-22.9623	1.8013	16.4871	0.7828	13.2663	2.303	29
CUB	C11	29	ENVE DISEÑO Max	1.04	-22.8126	1.8013	16.4871	0.7828	16.1604	2.8051	29
CUB	C11	29	ENVE DISEÑO Min	0	-40.6602	-1.4767	-8.4372	-0.7155	-11.5511	-1.3708	29
CUB	C11	29	ENVE DISEÑO Min	0.3467	-40.4273	-1.4767	-8.4372	-0.7155	-17.1747	-1.9665	29
CUB	C11	29	ENVE DISEÑO Min	0.6933	-40.1943	-1.4767	-8.4372	-0.7155	-22.8397	-2.5752	29
CUB	C11	29	ENVE DISEÑO Min	1.04	-39.9613	-1.4767	-8.4372	-0.7155	-28.5245	-3.1899	29
CUB	C12	30	ENVE DISEÑO Max	0	-12.8287	5.1124	3.6127	0.691	8.4729	2.0733	30

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	C12	30	ENVE DISEÑO Max	0.3467	-12.6789	5.1124	3.6127	0.691	13.2949	3.5639	30
CUB	C12	30	ENVE DISEÑO Max	0.6933	-12.5292	5.1124	3.6127	0.691	18.1787	5.082	30
CUB	C12	30	ENVE DISEÑO Max	1.04	-12.3794	5.1124	3.6127	0.691	23.0953	6.6084	30
CUB	C12	30	ENVE DISEÑO Min	0	-30.8713	-4.4307	-14.3156	-0.6202	-3.5172	-2.311	30
CUB	C12	30	ENVE DISEÑO Min	0.3467	-30.6716	-4.4307	-14.3156	-0.6202	-4.629	-4.038	30
CUB	C12	30	ENVE DISEÑO Min	0.6933	-30.4719	-4.4307	-14.3156	-0.6202	-5.8024	-5.7924	30
CUB	C12	30	ENVE DISEÑO Min	1.04	-30.2722	-4.4307	-14.3156	-0.6202	-7.0087	-7.5552	30
CUB	C13	31	ENVE DISEÑO Max	0	-21.0209	1.9676	22.0672	0.7692	10.7714	1.3127	31
CUB	C13	31	ENVE DISEÑO Max	0.3467	-20.8562	1.9676	22.0672	0.7692	15.2432	1.8116	31
CUB	C13	31	ENVE DISEÑO Max	0.6933	-20.6915	1.9676	22.0672	0.7692	19.7459	2.329	31
CUB	C13	31	ENVE DISEÑO Max	1.04	-20.5267	1.9676	22.0672	0.7692	24.2612	2.8547	31
CUB	C13	31	ENVE DISEÑO Min	0	-40.306	-1.5544	-13.0791	-0.7092	-15.409	-1.5441	31
CUB	C13	31	ENVE DISEÑO Min	0.3467	-40.0497	-1.5544	-13.0791	-0.7092	-22.9966	-2.1862	31
CUB	C13	31	ENVE DISEÑO Min	0.6933	-39.7935	-1.5544	-13.0791	-0.7092	-30.6152	-2.8469	31
CUB	C13	31	ENVE DISEÑO Min	1.04	-39.5372	-1.5544	-13.0791	-0.7092	-38.2465	-3.5158	31
CUB	C14	32	ENVE DISEÑO Max	0	-10.4839	5.1626	7.1621	0.9399	10.5919	2.1841	32
CUB	C14	32	ENVE DISEÑO Max	0.3467	-10.3192	5.1626	7.1621	0.9399	16.7215	3.7537	32
CUB	C14	32	ENVE DISEÑO Max	0.6933	-10.1545	5.1626	7.1621	0.9399	22.9071	5.3471	32
CUB	C14	32	ENVE DISEÑO Max	1.04	-9.9897	5.1626	7.1621	0.9399	29.1129	6.9478	32
CUB	C14	32	ENVE DISEÑO Min	0	-33.1156	-4.6424	-17.9747	-0.8627	-5.4741	-2.3908	32
CUB	C14	32	ENVE DISEÑO Min	0.3467	-32.896	-4.6424	-17.9747	-0.8627	-7.8553	-4.1408	32
CUB	C14	32	ENVE DISEÑO Min	0.6933	-32.6763	-4.6424	-17.9747	-0.8627	-10.2926	-5.9145	32
CUB	C14	32	ENVE DISEÑO Min	1.04	-32.4567	-4.6424	-17.9747	-0.8627	-12.75	-7.6956	32
CUB	C15	33	ENVE DISEÑO Max	0	-19.1343	1.3945	26.9079	0.9792	12.7551	2.0536	33
CUB	C15	33	ENVE DISEÑO Max	0.3467	-18.9695	1.3945	26.9079	0.9792	18.7828	2.8676	33
CUB	C15	33	ENVE DISEÑO Max	0.6933	-18.8048	1.3945	26.9079	0.9792	24.8323	3.6992	33
CUB	C15	33	ENVE DISEÑO Max	1.04	-18.6401	1.3945	26.9079	0.9792	30.8908	4.5385	33
CUB	C15	33	ENVE DISEÑO Min	0	-39.8179	-2.4553	-17.5152	-0.9014	-17.9957	-0.9533	33
CUB	C15	33	ENVE DISEÑO Min	0.3467	-39.5983	-2.4553	-17.5152	-0.9014	-27.2795	-1.3995	33
CUB	C15	33	ENVE DISEÑO Min	0.6933	-39.3786	-2.4553	-17.5152	-0.9014	-36.5852	-1.8634	33
CUB	C15	33	ENVE DISEÑO Min	1.04	-39.159	-2.4553	-17.5152	-0.9014	-45.8998	-2.3349	33
CUB	C16	34	ENVE DISEÑO Max	0	-8.356	5.2908	10.2248	0.7005	11.3956	2.2569	34
CUB	C16	34	ENVE DISEÑO Max	0.3467	-8.1912	5.2908	10.2248	0.7005	18.5295	3.9023	34
CUB	C16	34	ENVE DISEÑO Max	0.6933	-8.0265	5.2908	10.2248	0.7005	25.7026	5.5674	34
CUB	C16	34	ENVE DISEÑO Max	1.04	-7.8618	5.2908	10.2248	0.7005	32.8901	7.2385	34
CUB	C16	34	ENVE DISEÑO Min	0	-35.2281	-4.841	-20.7889	-0.6656	-6.4675	-2.4165	34
CUB	C16	34	ENVE DISEÑO Min	0.3467	-35.0084	-4.841	-20.7889	-0.6656	-9.9392	-4.2178	34
CUB	C16	34	ENVE DISEÑO Min	0.6933	-34.7888	-4.841	-20.7889	-0.6656	-13.45	-6.0389	34
CUB	C16	34	ENVE DISEÑO Min	1.04	-34.5691	-4.841	-20.7889	-0.6656	-16.9754	-7.8659	34
CUB	C1	226	ENVE DISEÑO Max	0	-14.2481	2.219	1.4357	0.185	2.7094	0.5626	226
CUB	C1	226	ENVE DISEÑO Max	0.3467	-14.154	2.219	1.4357	0.185	4.3207	1.0944	226
CUB	C1	226	ENVE DISEÑO Max	0.6933	-14.0599	2.219	1.4357	0.185	5.9417	1.6272	226
CUB	C1	226	ENVE DISEÑO Max	1.04	-13.9658	2.219	1.4357	0.185	7.5662	2.1603	226
CUB	C1	226	ENVE DISEÑO Min	0	-25.7953	-1.5871	-4.6997	-0.1198	-0.7874	-1.2497	226
CUB	C1	226	ENVE DISEÑO Min	0.3467	-25.6489	-1.5871	-4.6997	-0.1198	-1.2672	-2.0007	226

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	C1	226	ENVE DISEÑO Min	0.6933	-25.5026	-1.5871	-4.6997	-0.1198	-1.7566	-2.7526	226
CUB	C1	226	ENVE DISEÑO Min	1.04	-25.3562	-1.5871	-4.6997	-0.1198	-2.2496	-3.5048	226
CUB	C3	227	ENVE DISEÑO Max	0	-13.4469	1.3917	1.4385	0.1693	4.1136	0.8179	227
CUB	C3	227	ENVE DISEÑO Max	0.3467	-13.3528	1.3917	1.4385	0.1693	4.8999	1.4064	227
CUB	C3	227	ENVE DISEÑO Max	0.6933	-13.2587	1.3917	1.4385	0.1693	5.7101	1.9964	227
CUB	C3	227	ENVE DISEÑO Max	1.04	-13.1646	1.3917	1.4385	0.1693	6.5344	2.5886	227
CUB	C3	227	ENVE DISEÑO Min	0	-25.6769	-1.718	-2.4794	-0.1061	-2.3622	-0.6297	227
CUB	C3	227	ENVE DISEÑO Min	0.3467	-25.5306	-1.718	-2.4794	-0.1061	-2.7877	-1.105	227
CUB	C3	227	ENVE DISEÑO Min	0.6933	-25.3842	-1.718	-2.4794	-0.1061	-3.237	-1.5819	227
CUB	C3	227	ENVE DISEÑO Min	1.04	-25.2378	-1.718	-2.4794	-0.1061	-3.7005	-2.061	227
CUB	C6	228	ENVE DISEÑO Max	0	-13.8672	1.4818	1.1841	0.1743	5.1208	0.8335	228
CUB	C6	228	ENVE DISEÑO Max	0.3467	-13.7732	1.4818	1.1841	0.1743	5.6301	1.4267	228
CUB	C6	228	ENVE DISEÑO Max	0.6933	-13.6791	1.4818	1.1841	0.1743	6.1906	2.0218	228
CUB	C6	228	ENVE DISEÑO Max	1.04	-13.585	1.4818	1.1841	0.1743	6.7869	2.6175	228
CUB	C6	228	ENVE DISEÑO Min	0	-26.6073	-1.7321	-2.2314	-0.1339	-3.1834	-0.6984	228
CUB	C6	228	ENVE DISEÑO Min	0.3467	-26.461	-1.7321	-2.2314	-0.1339	-3.3297	-1.2049	228
CUB	C6	228	ENVE DISEÑO Min	0.6933	-26.3146	-1.7321	-2.2314	-0.1339	-3.527	-1.7132	228
CUB	C6	228	ENVE DISEÑO Min	1.04	-26.1682	-1.7321	-2.2314	-0.1339	-3.7602	-2.2222	228
CUB	C20	231	ENVE DISEÑO Max	0	-11.8511	1.8294	2.2329	0.1637	6.056	0.5954	231
CUB	C20	231	ENVE DISEÑO Max	0.3467	-11.757	1.8294	2.2329	0.1637	6.22	1.1003	231
CUB	C20	231	ENVE DISEÑO Max	0.6933	-11.6629	1.8294	2.2329	0.1637	6.4956	1.6071	231
CUB	C20	231	ENVE DISEÑO Max	1.04	-11.5688	1.8294	2.2329	0.1637	6.8739	2.1146	231
CUB	C20	231	ENVE DISEÑO Min	0	-25.1597	-1.4659	-2.7524	-0.1513	-4.3005	-0.9913	231
CUB	C20	231	ENVE DISEÑO Min	0.3467	-25.0343	-1.4659	-2.7524	-0.1513	-4.2843	-1.6223	231
CUB	C20	231	ENVE DISEÑO Min	0.6933	-24.9088	-1.4659	-2.7524	-0.1513	-4.3799	-2.2551	231
CUB	C20	231	ENVE DISEÑO Min	1.04	-24.7834	-1.4659	-2.7524	-0.1513	-4.5781	-2.8886	231
CUB	C21	232	ENVE DISEÑO Max	0	-14.0265	0.0139	4.7264	0.1491	6.7353	2.1061	232
CUB	C21	232	ENVE DISEÑO Max	0.3467	-13.9324	0.0139	4.7264	0.1491	6.3311	3.0742	232
CUB	C21	232	ENVE DISEÑO Max	0.6933	-13.8383	0.0139	4.7264	0.1491	6.2496	4.0465	232
CUB	C21	232	ENVE DISEÑO Max	1.04	-13.7442	0.0139	4.7264	0.1491	6.5227	5.0205	232
CUB	C21	232	ENVE DISEÑO Min	0	-29.564	-2.8164	-4.4513	-0.1336	-5.4713	0.1742	232
CUB	C21	232	ENVE DISEÑO Min	0.3467	-29.4385	-2.8164	-4.4513	-0.1336	-5.1626	0.1777	232
CUB	C21	232	ENVE DISEÑO Min	0.6933	-29.313	-2.8164	-4.4513	-0.1336	-5.1764	0.1769	232
CUB	C21	232	ENVE DISEÑO Min	1.04	-29.1876	-2.8164	-4.4513	-0.1336	-5.5449	0.1744	232
CUB	C22	281	ENVE DISEÑO Max	0	2.1175	3.9398	17.4913	1.0708	13.3015	1.5081	281
CUB	C22	281	ENVE DISEÑO Max	0.3467	2.2972	3.9398	17.4913	1.0708	20.942	2.1708	281
CUB	C22	281	ENVE DISEÑO Max	0.6933	2.4769	3.9398	17.4913	1.0708	28.6485	2.8939	281
CUB	C22	281	ENVE DISEÑO Max	1.04	2.6566	3.9398	17.4913	1.0708	36.3816	3.6394	281
CUB	C22	281	ENVE DISEÑO Min	0	-25.7913	-2.2425	-22.4235	-0.9854	-10.858	-2.2921	281
CUB	C22	281	ENVE DISEÑO Min	0.3467	-25.5517	-2.2425	-22.4235	-0.9854	-16.7887	-3.5431	281
CUB	C22	281	ENVE DISEÑO Min	0.6933	-25.3121	-2.2425	-22.4235	-0.9854	-22.7853	-4.8547	281
CUB	C22	281	ENVE DISEÑO Min	1.04	-25.0725	-2.2425	-22.4235	-0.9854	-28.8087	-6.1886	281
CUB	C23	287	ENVE DISEÑO Max	0	3.6528	2.1677	25.5271	0.7157	9.676	0.8484	287
CUB	C23	287	ENVE DISEÑO Max	0.3467	3.8325	2.1677	25.5271	0.7157	15.0417	0.6606	287
CUB	C23	287	ENVE DISEÑO Max	0.6933	4.0123	2.1677	25.5271	0.7157	20.472	0.5049	287

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	C23	287	ENVE DISEÑO Max	1.04	4.192	2.1677	25.5271	0.7157	25.9286	0.372	287
CUB	C23	287	ENVE DISEÑO Min	0	-27.6703	0.1898	-15.8555	-0.7051	-16.3481	-2.1005	287
CUB	C23	287	ENVE DISEÑO Min	0.3467	-27.4307	0.1898	-15.8555	-0.7051	-25.0666	-2.73	287
CUB	C23	287	ENVE DISEÑO Min	0.6933	-27.191	0.1898	-15.8555	-0.7051	-33.8497	-3.3915	287
CUB	C23	287	ENVE DISEÑO Min	1.04	-26.9514	0.1898	-15.8555	-0.7051	-42.6591	-4.0759	287
PISO 3A	C4	59	ENVE DISEÑO Max	0	-24.6698	9.2269	1.463	1.122	23.1291	2.7863	59
PISO 3A	C4	59	ENVE DISEÑO Max	0.4	-24.4624	9.2269	1.463	1.122	31.1194	4.3435	59
PISO 3A	C4	59	ENVE DISEÑO Max	0.8	-24.2551	9.2269	1.463	1.122	39.1675	5.9073	59
PISO 3A	C4	59	ENVE DISEÑO Max	1.2	-24.0477	9.2269	1.463	1.122	47.2344	7.4738	59
PISO 3A	C4	59	ENVE DISEÑO Min	0	-48.2537	-3.9274	-20.2243	-0.9314	5.2956	-9.7807	59
PISO 3A	C4	59	ENVE DISEÑO Min	0.4	-47.9772	-3.9274	-20.2243	-0.9314	4.8098	-13.4578	59
PISO 3A	C4	59	ENVE DISEÑO Min	0.8	-47.7007	-3.9274	-20.2243	-0.9314	4.2663	-17.1414	59
PISO 3A	C4	59	ENVE DISEÑO Min	1.2	-47.4243	-3.9274	-20.2243	-0.9314	3.7039	-20.8277	59
PISO 3A	C5	71	ENVE DISEÑO Max	0	-11.7937	5.9114	-1.0597	4.9244	9.2104	4.0726	71
PISO 3A	C5	71	ENVE DISEÑO Max	0.4	-11.5864	5.9114	-1.0597	4.9244	11.7356	6.3268	71
PISO 3A	C5	71	ENVE DISEÑO Max	0.8	-11.379	5.9114	-1.0597	4.9244	14.2819	8.5926	71
PISO 3A	C5	71	ENVE DISEÑO Max	1.2	-11.1716	5.9114	-1.0597	4.9244	16.8394	10.8628	71
PISO 3A	C5	71	ENVE DISEÑO Min	0	-29.2119	-5.6915	-6.4528	-5.4422	1.5837	-4.6673	71
PISO 3A	C5	71	ENVE DISEÑO Min	0.4	-28.9355	-5.6915	-6.4528	-5.4422	2.0634	-7.0094	71
PISO 3A	C5	71	ENVE DISEÑO Min	0.8	-28.659	-5.6915	-6.4528	-5.4422	2.5221	-9.3632	71
PISO 3A	C5	71	ENVE DISEÑO Min	1.2	-28.3825	-5.6915	-6.4528	-5.4422	2.9696	-11.7213	71
PISO 3A	C7	96	ENVE DISEÑO Max	0	-6.4779	3.716	0.9225	0.7122	1.1401	5.7105	96
PISO 3A	C7	96	ENVE DISEÑO Max	0.5667	-6.2331	3.716	0.9225	0.7122	1.0715	3.6058	96
PISO 3A	C7	96	ENVE DISEÑO Max	1.1333	-5.9883	3.716	0.9225	0.7122	1.9864	1.504	96
PISO 3A	C7	96	ENVE DISEÑO Max	1.7	-5.7435	3.716	0.9225	0.7122	4.5501	0.7927	96
PISO 3A	C7	96	ENVE DISEÑO Min	0	-18.0033	-4.4988	-7.0005	-0.6246	-8.7839	-6.8869	96
PISO 3A	C7	96	ENVE DISEÑO Min	0.5667	-17.6769	-4.4988	-7.0005	-0.6246	-5.2711	-4.3386	96
PISO 3A	C7	96	ENVE DISEÑO Min	1.1333	-17.3505	-4.4988	-7.0005	-0.6246	-2.7419	-1.7932	96
PISO 3A	C7	96	ENVE DISEÑO Min	1.7	-17.0241	-4.4988	-7.0005	-0.6246	-1.8614	-0.6383	96
PISO 3A	C8	97	ENVE DISEÑO Max	0	-12.0402	2.898	9.2701	0.7604	11.4773	3.63	97
PISO 3A	C8	97	ENVE DISEÑO Max	0.5667	-11.7954	2.898	9.2701	0.7604	6.3517	1.9884	97
PISO 3A	C8	97	ENVE DISEÑO Max	1.1333	-11.5506	2.898	9.2701	0.7604	2.1805	0.3524	97
PISO 3A	C8	97	ENVE DISEÑO Max	1.7	-11.3058	2.898	9.2701	0.7604	3.8546	1.9794	97
PISO 3A	C8	97	ENVE DISEÑO Min	0	-25.5201	-4.5194	-5.4601	-0.6797	-5.8696	-5.7066	97
PISO 3A	C8	97	ENVE DISEÑO Min	0.5667	-25.1937	-4.5194	-5.4601	-0.6797	-2.9031	-3.1462	97
PISO 3A	C8	97	ENVE DISEÑO Min	1.1333	-24.8673	-4.5194	-5.4601	-0.6797	-0.8909	-0.5914	97
PISO 3A	C8	97	ENVE DISEÑO Min	1.7	-24.5409	-4.5194	-5.4601	-0.6797	-4.724	-1.2997	97
PISO 3A	C9	98	ENVE DISEÑO Max	0	-25.5559	2.5247	13.2944	0.7069	13.7285	3.3072	98
PISO 3A	C9	98	ENVE DISEÑO Max	0.5667	-25.3111	2.5247	13.2944	0.7069	6.5533	1.8816	98
PISO 3A	C9	98	ENVE DISEÑO Max	1.1333	-25.0663	2.5247	13.2944	0.7069	3.2724	0.4786	98
PISO 3A	C9	98	ENVE DISEÑO Max	1.7	-24.8215	2.5247	13.2944	0.7069	5.883	0.7491	98
PISO 3A	C9	98	ENVE DISEÑO Min	0	-41.8094	-2.035	-5.8227	-0.6201	-8.8246	-2.746	98
PISO 3A	C9	98	ENVE DISEÑO Min	0.5667	-41.4286	-2.035	-5.8227	-0.6201	-1.8634	-1.5979	98
PISO 3A	C9	98	ENVE DISEÑO Min	1.1333	-41.0478	-2.035	-5.8227	-0.6201	-2.8364	-0.4724	98
PISO 3A	C9	98	ENVE DISEÑO Min	1.7	-40.667	-2.035	-5.8227	-0.6201	-9.681	-1.0204	98

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3A	C10	120	ENVE DISEÑO Max	0	-15.8118	5.9053	1.3999	0.7574	1.0986	7.6959	120
PISO 3A	C10	120	ENVE DISEÑO Max	0.5667	-15.567	5.9053	1.3999	0.7574	0.668	4.3581	120
PISO 3A	C10	120	ENVE DISEÑO Max	1.1333	-15.3222	5.9053	1.3999	0.7574	2.0816	1.0752	120
PISO 3A	C10	120	ENVE DISEÑO Max	1.7	-15.0774	5.9053	1.3999	0.7574	7.6358	1.9868	120
PISO 3A	C10	120	ENVE DISEÑO Min	0	-30.5691	-4.9321	-12.2414	-0.6827	-14.3074	-6.4447	120
PISO 3A	C10	120	ENVE DISEÑO Min	0.5667	-30.1883	-4.9321	-12.2414	-0.6827	-7.7334	-3.6584	120
PISO 3A	C10	120	ENVE DISEÑO Min	1.1333	-29.8075	-4.9321	-12.2414	-0.6827	-3.0034	-0.927	120
PISO 3A	C10	120	ENVE DISEÑO Min	1.7	-29.4267	-4.9321	-12.2414	-0.6827	-2.4142	-2.39	120
PISO 3A	C11	129	ENVE DISEÑO Max	0	-23.9962	2.0218	16.774	0.7828	17.3774	2.1848	129
PISO 3A	C11	129	ENVE DISEÑO Max	0.5667	-23.7514	2.0218	16.774	0.7828	8.0345	1.0931	129
PISO 3A	C11	129	ENVE DISEÑO Max	1.1333	-23.5066	2.0218	16.774	0.7828	3.1404	0.5651	129
PISO 3A	C11	129	ENVE DISEÑO Max	1.7	-23.2618	2.0218	16.774	0.7828	7.559	1.3235	129
PISO 3A	C11	129	ENVE DISEÑO Min	0	-41.8026	-1.6972	-8.7241	-0.7155	-7.6846	-1.6803	129
PISO 3A	C11	129	ENVE DISEÑO Min	0.5667	-41.4218	-1.6972	-8.7241	-0.7155	-2.9033	-0.7726	129
PISO 3A	C11	129	ENVE DISEÑO Min	1.1333	-41.041	-1.6972	-8.7241	-0.7155	-2.5709	-0.4285	129
PISO 3A	C11	129	ENVE DISEÑO Min	1.7	-40.6602	-1.6972	-8.7241	-0.7155	-11.5511	-1.3708	129
PISO 3A	C12	148	ENVE DISEÑO Max	0	-13.5631	5.2719	3.8825	0.691	3.6233	6.771	148
PISO 3A	C12	148	ENVE DISEÑO Max	0.5667	-13.3183	5.2719	3.8825	0.691	1.5784	3.8097	148
PISO 3A	C12	148	ENVE DISEÑO Max	1.1333	-13.0735	5.2719	3.8825	0.691	1.4843	1.0802	148
PISO 3A	C12	148	ENVE DISEÑO Max	1.7	-12.8287	5.2719	3.8825	0.691	8.4729	2.0733	148
PISO 3A	C12	148	ENVE DISEÑO Min	0	-31.8505	-4.5901	-14.5854	-0.6202	-16.8626	-5.8498	148
PISO 3A	C12	148	ENVE DISEÑO Min	0.5667	-31.5241	-4.5901	-14.5854	-0.6202	-8.7527	-3.2748	148
PISO 3A	C12	148	ENVE DISEÑO Min	1.1333	-31.1977	-4.5901	-14.5854	-0.6202	-2.5936	-0.9316	148
PISO 3A	C12	148	ENVE DISEÑO Min	1.7	-30.8713	-4.5901	-14.5854	-0.6202	-3.5172	-2.311	148
PISO 3A	C13	155	ENVE DISEÑO Max	0	-21.8288	2.2075	22.4483	0.7692	23.0368	2.3633	155
PISO 3A	C13	155	ENVE DISEÑO Max	0.5667	-21.5595	2.2075	22.4483	0.7692	10.4485	1.1755	155
PISO 3A	C13	155	ENVE DISEÑO Max	1.1333	-21.2902	2.2075	22.4483	0.7692	3.6622	0.5421	155
PISO 3A	C13	155	ENVE DISEÑO Max	1.7	-21.0209	2.2075	22.4483	0.7692	10.7714	1.3127	155
PISO 3A	C13	155	ENVE DISEÑO Min	0	-41.5626	-1.7943	-13.4601	-0.7092	-12.3946	-1.8923	155
PISO 3A	C13	155	ENVE DISEÑO Min	0.5667	-41.1437	-1.7943	-13.4601	-0.7092	-4.8995	-0.9386	155
PISO 3A	C13	155	ENVE DISEÑO Min	1.1333	-40.7249	-1.7943	-13.4601	-0.7092	-3.2065	-0.5393	155
PISO 3A	C13	155	ENVE DISEÑO Min	1.7	-40.306	-1.7943	-13.4601	-0.7092	-15.409	-1.5441	155
PISO 3A	C14	171	ENVE DISEÑO Max	0	-11.2918	5.3392	7.5268	0.9399	7.6827	6.7904	171
PISO 3A	C14	171	ENVE DISEÑO Max	0.5667	-11.0225	5.3392	7.5268	0.9399	3.538	3.7888	171
PISO 3A	C14	171	ENVE DISEÑO Max	1.1333	-10.7532	5.3392	7.5268	0.9399	1.6376	1.0136	171
PISO 3A	C14	171	ENVE DISEÑO Max	1.7	-10.4839	5.3392	7.5268	0.9399	10.5919	2.1841	171
PISO 3A	C14	171	ENVE DISEÑO Min	0	-34.1928	-4.8189	-18.3394	-0.8627	-20.9463	-6.1128	171
PISO 3A	C14	171	ENVE DISEÑO Min	0.5667	-33.8337	-4.8189	-18.3394	-0.8627	-10.6744	-3.4059	171
PISO 3A	C14	171	ENVE DISEÑO Min	1.1333	-33.4747	-4.8189	-18.3394	-0.8627	-2.6469	-0.9256	171
PISO 3A	C14	171	ENVE DISEÑO Min	1.7	-33.1156	-4.8189	-18.3394	-0.8627	-5.4741	-2.3908	171
PISO 3A	C15	172	ENVE DISEÑO Max	0	-19.9421	1.6369	27.3674	0.9792	28.7269	1.9676	172
PISO 3A	C15	172	ENVE DISEÑO Max	0.5667	-19.6728	1.6369	27.3674	0.9792	13.3086	1.0927	172
PISO 3A	C15	172	ENVE DISEÑO Max	1.1333	-19.4036	1.6369	27.3674	0.9792	3.0696	0.7902	172
PISO 3A	C15	172	ENVE DISEÑO Max	1.7	-19.1343	1.6369	27.3674	0.9792	12.7551	2.0536	172
PISO 3A	C15	172	ENVE DISEÑO Min	0	-40.895	-2.6976	-17.9746	-0.9014	-17.9998	-2.6706	172



Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3A	C15	172	ENVE DISEÑO Min	0.5667	-40.536	-2.6976	-17.9746	-0.9014	-7.904	-1.1946	172
PISO 3A	C15	172	ENVE DISEÑO Min	1.1333	-40.177	-2.6976	-17.9746	-0.9014	-2.9876	-0.291	172
PISO 3A	C15	172	ENVE DISEÑO Min	1.7	-39.8179	-2.6976	-17.9746	-0.9014	-17.9957	-0.9533	172
PISO 3A	C16	173	ENVE DISEÑO Max	0	-9.1638	5.4703	10.6631	0.7005	11.9157	6.9677	173
PISO 3A	C16	173	ENVE DISEÑO Max	0.5667	-8.8945	5.4703	10.6631	0.7005	5.9486	3.8868	173
PISO 3A	C16	173	ENVE DISEÑO Max	1.1333	-8.6252	5.4703	10.6631	0.7005	1.2574	0.9933	173
PISO 3A	C16	173	ENVE DISEÑO Max	1.7	-8.356	5.4703	10.6631	0.7005	11.3956	2.2569	173
PISO 3A	C16	173	ENVE DISEÑO Min	0	-36.3052	-5.0205	-21.2272	-0.6656	-24.9465	-6.3626	173
PISO 3A	C16	173	ENVE DISEÑO Min	0.5667	-35.9461	-5.0205	-21.2272	-0.6656	-12.9931	-3.5366	173
PISO 3A	C16	173	ENVE DISEÑO Min	1.1333	-35.5871	-5.0205	-21.2272	-0.6656	-2.3156	-0.898	173
PISO 3A	C16	173	ENVE DISEÑO Min	1.7	-35.2281	-5.0205	-21.2272	-0.6656	-6.4675	-2.4165	173
PISO 3A	C1	428	ENVE DISEÑO Max	0	-14.7096	2.3761	1.5964	0.185	1.9781	2.8608	428
PISO 3A	C1	428	ENVE DISEÑO Max	0.5667	-14.5558	2.3761	1.5964	0.185	1.0891	1.5153	428
PISO 3A	C1	428	ENVE DISEÑO Max	1.1333	-14.4019	2.3761	1.5964	0.185	0.4082	0.178	428
PISO 3A	C1	428	ENVE DISEÑO Max	1.7	-14.2481	2.3761	1.5964	0.185	2.7094	0.5626	428
PISO 3A	C1	428	ENVE DISEÑO Min	0	-26.5131	-1.7441	-4.8604	-0.1198	-5.6049	-2.4736	428
PISO 3A	C1	428	ENVE DISEÑO Min	0.5667	-26.2739	-1.7441	-4.8604	-0.1198	-2.8663	-1.4862	428
PISO 3A	C1	428	ENVE DISEÑO Min	1.1333	-26.0346	-1.7441	-4.8604	-0.1198	-0.3358	-0.5071	428
PISO 3A	C1	428	ENVE DISEÑO Min	1.7	-25.7953	-1.7441	-4.8604	-0.1198	-0.7874	-1.2497	428
PISO 3A	C3	429	ENVE DISEÑO Max	0	-13.9083	1.5331	1.5869	0.1693	1.4214	1.981	429
PISO 3A	C3	429	ENVE DISEÑO Max	0.5667	-13.7545	1.5331	1.5869	0.1693	1.7576	1.1131	429
PISO 3A	C3	429	ENVE DISEÑO Max	1.1333	-13.6007	1.5331	1.5869	0.1693	2.8062	0.2519	429
PISO 3A	C3	429	ENVE DISEÑO Max	1.7	-13.4469	1.5331	1.5869	0.1693	4.1136	0.8179	429
PISO 3A	C3	429	ENVE DISEÑO Min	0	-26.3947	-1.8595	-2.6277	-0.1061	-1.4395	-2.3476	429
PISO 3A	C3	429	ENVE DISEÑO Min	0.5667	-26.1555	-1.8595	-2.6277	-0.1061	-1.1858	-1.2947	429
PISO 3A	C3	429	ENVE DISEÑO Min	1.1333	-25.9162	-1.8595	-2.6277	-0.1061	-1.6446	-0.2486	429
PISO 3A	C3	429	ENVE DISEÑO Min	1.7	-25.6769	-1.8595	-2.6277	-0.1061	-2.3622	-0.6297	429
PISO 3A	C6	430	ENVE DISEÑO Max	0	-14.3287	1.6263	1.2348	0.1743	3.7005	2.0719	430
PISO 3A	C6	430	ENVE DISEÑO Max	0.5667	-14.1749	1.6263	1.2348	0.1743	3.9467	1.1515	430
PISO 3A	C6	430	ENVE DISEÑO Max	1.1333	-14.0211	1.6263	1.2348	0.1743	4.3956	0.2409	430
PISO 3A	C6	430	ENVE DISEÑO Max	1.7	-13.8672	1.6263	1.2348	0.1743	5.1208	0.8335	430
PISO 3A	C6	430	ENVE DISEÑO Min	0	-27.3251	-1.8765	-2.2822	-0.1339	-3.5437	-2.3624	430
PISO 3A	C6	430	ENVE DISEÑO Min	0.5667	-27.0859	-1.8765	-2.2822	-0.1339	-3.1964	-1.3002	430
PISO 3A	C6	430	ENVE DISEÑO Min	1.1333	-26.8466	-1.8765	-2.2822	-0.1339	-3.0517	-0.2477	430
PISO 3A	C6	430	ENVE DISEÑO Min	1.7	-26.6073	-1.8765	-2.2822	-0.1339	-3.1834	-0.6984	430
PISO 3A	C20	431	ENVE DISEÑO Max	0	-12.3125	1.9871	2.1205	0.1637	7.1717	2.3977	431
PISO 3A	C20	431	ENVE DISEÑO Max	0.5667	-12.1587	1.9871	2.1205	0.1637	6.5301	1.2888	431
PISO 3A	C20	431	ENVE DISEÑO Max	1.1333	-12.0049	1.9871	2.1205	0.1637	6.0767	0.1905	431
PISO 3A	C20	431	ENVE DISEÑO Max	1.7	-11.8511	1.9871	2.1205	0.1637	6.056	0.5954	431
PISO 3A	C20	431	ENVE DISEÑO Min	0	-25.775	-1.6236	-2.64	-0.1513	-6.2993	-2.1757	431
PISO 3A	C20	431	ENVE DISEÑO Min	0.5667	-25.5699	-1.6236	-2.64	-0.1513	-5.3633	-1.2728	431
PISO 3A	C20	431	ENVE DISEÑO Min	1.1333	-25.3648	-1.6236	-2.64	-0.1513	-4.6155	-0.3805	431
PISO 3A	C20	431	ENVE DISEÑO Min	1.7	-25.1597	-1.6236	-2.64	-0.1513	-4.3005	-0.9913	431
PISO 3A	C21	432	ENVE DISEÑO Max	0	-14.4879	0.1108	4.4763	0.1491	12.2091	0.391	432
PISO 3A	C21	432	ENVE DISEÑO Max	0.5667	-14.3341	0.1108	4.4763	0.1491	10.0265	0.3563	432

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3A	C21	432	ENVE DISEÑO Max	1.1333	-14.1803	0.1108	4.4763	0.1491	8.0501	0.5847	432
PISO 3A	C21	432	ENVE DISEÑO Max	1.7	-14.0265	0.1108	4.4763	0.1491	6.7353	2.1061	432
PISO 3A	C21	432	ENVE DISEÑO Min	0	-30.1792	-2.9133	-4.2011	-0.1336	-10.4775	-2.875	432
PISO 3A	C21	432	ENVE DISEÑO Min	0.5667	-29.9741	-2.9133	-4.2011	-0.1336	-8.4508	-1.2521	432
PISO 3A	C21	432	ENVE DISEÑO Min	1.1333	-29.7691	-2.9133	-4.2011	-0.1336	-6.6303	0.1075	432
PISO 3A	C21	432	ENVE DISEÑO Min	1.7	-29.564	-2.9133	-4.2011	-0.1336	-5.4713	0.1742	432
PISO 3A	C22	438	ENVE DISEÑO Max	0	1.2362	4.1094	18.0475	1.0708	20.3651	5.1029	438
PISO 3A	C22	438	ENVE DISEÑO Max	0.5667	1.53	4.1094	18.0475	1.0708	10.3136	2.9267	438
PISO 3A	C22	438	ENVE DISEÑO Max	1.1333	1.8237	4.1094	18.0475	1.0708	2.4877	1.179	438
PISO 3A	C22	438	ENVE DISEÑO Max	1.7	2.1175	4.1094	18.0475	1.0708	13.3015	1.5081	438
PISO 3A	C22	438	ENVE DISEÑO Min	0	-26.9664	-2.4121	-22.9797	-0.9854	-26.3064	-3.0014	438
PISO 3A	C22	438	ENVE DISEÑO Min	0.5667	-26.5747	-2.4121	-22.9797	-0.9854	-13.46	-1.787	438
PISO 3A	C22	438	ENVE DISEÑO Min	1.1333	-26.183	-2.4121	-22.9797	-0.9854	-2.8392	-1.0011	438
PISO 3A	C22	438	ENVE DISEÑO Min	1.7	-25.7913	-2.4121	-22.9797	-0.9854	-10.858	-2.2921	438
PISO 3A	C23	439	ENVE DISEÑO Max	0	2.7716	2.3636	26.0843	0.7157	28.5368	2.7957	439
PISO 3A	C23	439	ENVE DISEÑO Max	0.5667	3.0653	2.3636	26.0843	0.7157	13.9363	1.8062	439
PISO 3A	C23	439	ENVE DISEÑO Max	1.1333	3.3591	2.3636	26.0843	0.7157	2.2256	1.1204	439
PISO 3A	C23	439	ENVE DISEÑO Max	1.7	3.6528	2.3636	26.0843	0.7157	9.676	0.8484	439
PISO 3A	C23	439	ENVE DISEÑO Min	0	-28.8453	-0.006	-16.4128	-0.7051	-18.7674	-0.0399	439
PISO 3A	C23	439	ENVE DISEÑO Min	0.5667	-28.4536	-0.006	-16.4128	-0.7051	-9.6473	-0.3865	439
PISO 3A	C23	439	ENVE DISEÑO Min	1.1333	-28.062	-0.006	-16.4128	-0.7051	-3.4172	-1.0365	439
PISO 3A	C23	439	ENVE DISEÑO Min	1.7	-27.6703	-0.006	-16.4128	-0.7051	-16.3481	-2.1005	439
PISO 3A	C17	472	ENVE DISEÑO Max	0	-17.5024	4.3635	21.1247	4.6421	-6.4508	-1.3537	472
PISO 3A	C17	472	ENVE DISEÑO Max	0.4	-17.295	4.3635	21.1247	4.6421	-6.4667	-1.9752	472
PISO 3A	C17	472	ENVE DISEÑO Max	0.8	-17.0876	4.3635	21.1247	4.6421	-6.4199	-2.5399	472
PISO 3A	C17	472	ENVE DISEÑO Max	1.2	-16.8803	4.3635	21.1247	4.6421	-6.3528	-3.0827	472
PISO 3A	C17	472	ENVE DISEÑO Min	0	-40.8844	1.2281	-0.2276	-5.1246	-24.0272	-6.0757	472
PISO 3A	C17	472	ENVE DISEÑO Min	0.4	-40.6079	1.2281	-0.2276	-5.1246	-32.3701	-7.6909	472
PISO 3A	C17	472	ENVE DISEÑO Min	0.8	-40.3314	1.2281	-0.2276	-5.1246	-40.7759	-9.3628	472
PISO 3A	C17	472	ENVE DISEÑO Min	1.2	-40.0549	1.2281	-0.2276	-5.1246	-49.2018	-11.0567	472
PISO 3	C4	4	ENVE DISEÑO Max	0	-26.3494	9.808	1.9694	1.122	11.885	22.0115	4
PISO 3	C4	4	ENVE DISEÑO Max	1.08	-25.7895	9.808	1.9694	1.122	9.7807	11.4217	4
PISO 3	C4	4	ENVE DISEÑO Max	2.16	-25.2296	9.808	1.9694	1.122	10.6357	1.4795	4
PISO 3	C4	4	ENVE DISEÑO Max	3.24	-24.6698	9.808	1.9694	1.122	23.1291	2.7863	4
PISO 3	C4	4	ENVE DISEÑO Min	0	-50.4932	-4.5084	-20.7306	-0.9314	-44.2468	-11.8354	4
PISO 3	C4	4	ENVE DISEÑO Min	1.08	-49.7467	-4.5084	-20.7306	-0.9314	-21.8803	-6.9691	4
PISO 3	C4	4	ENVE DISEÑO Min	2.16	-49.0002	-4.5084	-20.7306	-0.9314	-2.4731	-2.7504	4
PISO 3	C4	4	ENVE DISEÑO Min	3.24	-48.2537	-4.5084	-20.7306	-0.9314	5.2956	-9.7807	4
PISO 3	C5	5	ENVE DISEÑO Max	0	-13.4733	6.456	-0.7983	4.9244	-0.887	16.2655	5
PISO 3	C5	5	ENVE DISEÑO Max	1.08	-12.9135	6.456	-0.7983	4.9244	0.014	9.2954	5
PISO 3	C5	5	ENVE DISEÑO Max	2.16	-12.3536	6.456	-0.7983	4.9244	2.4315	2.3554	5
PISO 3	C5	5	ENVE DISEÑO Max	3.24	-11.7937	6.456	-0.7983	4.9244	9.2104	4.0726	5
PISO 3	C5	5	ENVE DISEÑO Min	0	-31.4514	-6.2361	-6.7142	-5.4422	-12.6592	-16.1476	5
PISO 3	C5	5	ENVE DISEÑO Min	1.08	-30.7049	-6.2361	-6.7142	-5.4422	-5.4468	-9.415	5
PISO 3	C5	5	ENVE DISEÑO Min	2.16	-29.9584	-6.2361	-6.7142	-5.4422	0.2492	-2.7125	5



Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	C5	5	ENVE DISEÑO Min	3.24	-29.2119	-6.2361	-6.7142	-5.4422	1.5837	-4.6673	5
PISO 3	C7	7	ENVE DISEÑO Max	0	-17.9192	4.5672	5.3785	0.5471	10.8805	7.2257	7
PISO 3	C7	7	ENVE DISEÑO Max	0.9133	-17.5246	4.5672	5.3785	0.5471	6.0178	3.0587	7
PISO 3	C7	7	ENVE DISEÑO Max	1.8267	-17.1301	4.5672	5.3785	0.5471	3.4939	2.0759	7
PISO 3	C7	7	ENVE DISEÑO Max	2.74	-16.7355	4.5672	5.3785	0.5471	12.2386	6.4108	7
PISO 3	C7	7	ENVE DISEÑO Min	0	-36.1601	-4.7845	-10.397	-0.5097	-16.3839	-6.8443	7
PISO 3	C7	7	ENVE DISEÑO Min	0.9133	-35.634	-4.7845	-10.397	-0.5097	-6.9376	-2.4788	7
PISO 3	C7	7	ENVE DISEÑO Min	1.8267	-35.1079	-4.7845	-10.397	-0.5097	0.1699	-1.2975	7
PISO 3	C7	7	ENVE DISEÑO Min	2.74	-34.5818	-4.7845	-10.397	-0.5097	-3.9912	-5.4339	7
PISO 3	C8	8	ENVE DISEÑO Max	0	-22.9129	2.1465	12.8866	0.5166	20.5291	3.191	8
PISO 3	C8	8	ENVE DISEÑO Max	0.9133	-22.5183	2.1465	12.8866	0.5166	8.7891	1.2317	8
PISO 3	C8	8	ENVE DISEÑO Max	1.8267	-22.1238	2.1465	12.8866	0.5166	2.5674	1.3981	8
PISO 3	C8	8	ENVE DISEÑO Max	2.74	-21.7292	2.1465	12.8866	0.5166	11.2858	4.6083	8
PISO 3	C8	8	ENVE DISEÑO Min	0	-55.2783	-3.517	-9.6707	-0.4572	-15.2647	-5.0299	8
PISO 3	C8	8	ENVE DISEÑO Min	0.9133	-54.7522	-3.517	-9.6707	-0.4572	-6.4619	-1.8189	8
PISO 3	C8	8	ENVE DISEÑO Min	1.8267	-54.2261	-3.517	-9.6707	-0.4572	-3.1774	-0.7335	8
PISO 3	C8	8	ENVE DISEÑO Min	2.74	-53.7001	-3.517	-9.6707	-0.4572	-14.833	-2.692	8
PISO 3	C9	9	ENVE DISEÑO Max	0	-42.5108	1.9053	14.8582	0.5792	28.4755	2.8138	9
PISO 3	C9	9	ENVE DISEÑO Max	0.9133	-42.1162	1.9053	14.8582	0.5792	15.0065	1.0985	9
PISO 3	C9	9	ENVE DISEÑO Max	1.8267	-41.7217	1.9053	14.8582	0.5792	2.25	0.7782	9
PISO 3	C9	9	ENVE DISEÑO Max	2.74	-41.3271	1.9053	14.8582	0.5792	11.3429	1.9427	9
PISO 3	C9	9	ENVE DISEÑO Min	0	-82.0474	-1.3309	-13.3874	-0.5173	-25.7634	-1.7431	9
PISO 3	C9	9	ENVE DISEÑO Min	0.9133	-81.5213	-1.3309	-13.3874	-0.5173	-13.6376	-0.5524	9
PISO 3	C9	9	ENVE DISEÑO Min	1.8267	-80.9952	-1.3309	-13.3874	-0.5173	-2.2243	-0.7567	9
PISO 3	C9	9	ENVE DISEÑO Min	2.74	-80.4691	-1.3309	-13.3874	-0.5173	-12.6606	-2.4459	9
PISO 3	C10	6	ENVE DISEÑO Max	0	-27.9998	4.0616	11.8416	0.5675	24.2754	6.7916	6
PISO 3	C10	6	ENVE DISEÑO Max	0.9133	-27.6052	4.0616	11.8416	0.5675	13.6739	3.1242	6
PISO 3	C10	6	ENVE DISEÑO Max	1.8267	-27.2106	4.0616	11.8416	0.5675	4.4269	0.792	6
PISO 3	C10	6	ENVE DISEÑO Max	2.74	-26.8161	4.0616	11.8416	0.5675	18.0385	3.4478	6
PISO 3	C10	6	ENVE DISEÑO Min	0	-66.3344	-3.1271	-17.0412	-0.5048	-28.7368	-5.1965	6
PISO 3	C10	6	ENVE DISEÑO Min	0.9133	-65.8084	-3.1271	-17.0412	-0.5048	-13.3863	-2.3826	6
PISO 3	C10	6	ENVE DISEÑO Min	1.8267	-65.2823	-3.1271	-17.0412	-0.5048	0.6097	-0.9039	6
PISO 3	C10	6	ENVE DISEÑO Min	2.74	-64.7562	-3.1271	-17.0412	-0.5048	-8.2529	-4.4133	6
PISO 3	C11	11	ENVE DISEÑO Max	0	-38.5593	4.3218	16.3946	0.5396	32.9983	7.0756	11
PISO 3	C11	11	ENVE DISEÑO Max	0.9133	-38.1647	4.3218	16.3946	0.5396	18.06	3.1309	11
PISO 3	C11	11	ENVE DISEÑO Max	1.8267	-37.7702	4.3218	16.3946	0.5396	3.462	0.8083	11
PISO 3	C11	11	ENVE DISEÑO Max	2.74	-37.3756	4.3218	16.3946	0.5396	10.6002	4.7634	11
PISO 3	C11	11	ENVE DISEÑO Min	0	-87.0422	-4.3518	-14.4811	-0.4692	-29.6129	-7.1655	11
PISO 3	C11	11	ENVE DISEÑO Min	0.9133	-86.5161	-4.3518	-14.4811	-0.4692	-16.4222	-3.1933	11
PISO 3	C11	11	ENVE DISEÑO Min	1.8267	-85.99	-4.3518	-14.4811	-0.4692	-3.5719	-0.8432	11
PISO 3	C11	11	ENVE DISEÑO Min	2.74	-85.4639	-4.3518	-14.4811	-0.4692	-12.4578	-4.7709	11
PISO 3	C12	12	ENVE DISEÑO Max	0	-23.9206	5.6527	14.7058	0.5494	30.8893	9.3706	12
PISO 3	C12	12	ENVE DISEÑO Max	0.9133	-23.526	5.6527	14.7058	0.5494	17.8307	4.2161	12
PISO 3	C12	12	ENVE DISEÑO Max	1.8267	-23.1315	5.6527	14.7058	0.5494	5.4377	0.9611	12
PISO 3	C12	12	ENVE DISEÑO Max	2.74	-22.7369	5.6527	14.7058	0.5494	19.0853	5.7169	12

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	C12	12	ENVE DISEÑO Min	0	-70.2077	-5.2771	-19.4128	-0.4894	-34.1679	-8.7597	12
PISO 3	C12	12	ENVE DISEÑO Min	0.9133	-69.6816	-5.2771	-19.4128	-0.4894	-16.8102	-3.9481	12
PISO 3	C12	12	ENVE DISEÑO Min	1.8267	-69.1556	-5.2771	-19.4128	-0.4894	-0.1182	-1.0362	12
PISO 3	C12	12	ENVE DISEÑO Min	2.74	-68.6295	-5.2771	-19.4128	-0.4894	-9.4668	-6.135	12
PISO 3	C13	13	ENVE DISEÑO Max	0	-34.3243	4.6848	21.4679	0.6295	46.717	7.7432	13
PISO 3	C13	13	ENVE DISEÑO Max	0.9133	-33.8903	4.6848	21.4679	0.6295	27.1489	3.4676	13
PISO 3	C13	13	ENVE DISEÑO Max	1.8267	-33.4563	4.6848	21.4679	0.6295	7.7807	0.9927	13
PISO 3	C13	13	ENVE DISEÑO Max	2.74	-33.0223	4.6848	21.4679	0.6295	10.9238	5.4993	13
PISO 3	C13	13	ENVE DISEÑO Min	0	-91.3559	-4.9545	-18.9332	-0.5547	-41.6453	-8.0826	13
PISO 3	C13	13	ENVE DISEÑO Min	0.9133	-90.7772	-4.9545	-18.9332	-0.5547	-24.3922	-3.5607	13
PISO 3	C13	13	ENVE DISEÑO Min	1.8267	-90.1985	-4.9545	-18.9332	-0.5547	-7.3391	-0.8394	13
PISO 3	C13	13	ENVE DISEÑO Min	2.74	-89.6198	-4.9545	-18.9332	-0.5547	-12.7973	-5.0996	13
PISO 3	C14	14	ENVE DISEÑO Max	0	-18.9894	5.9839	19.9139	0.6212	44.5262	10.02	14
PISO 3	C14	14	ENVE DISEÑO Max	0.9133	-18.5554	5.9839	19.9139	0.6212	26.9222	4.5689	14
PISO 3	C14	14	ENVE DISEÑO Max	1.8267	-18.1214	5.9839	19.9139	0.6212	9.4945	1.0613	14
PISO 3	C14	14	ENVE DISEÑO Max	2.74	-17.6874	5.9839	19.9139	0.6212	20.03	6.0829	14
PISO 3	C14	14	ENVE DISEÑO Min	0	-75.1281	-5.645	-24.0907	-0.5371	-46.1806	-9.4149	14
PISO 3	C14	14	ENVE DISEÑO Min	0.9133	-74.5494	-5.645	-24.0907	-0.5371	-24.7617	-4.2734	14
PISO 3	C14	14	ENVE DISEÑO Min	1.8267	-73.9707	-5.645	-24.0907	-0.5371	-3.5192	-1.0754	14
PISO 3	C14	14	ENVE DISEÑO Min	2.74	-73.392	-5.645	-24.0907	-0.5371	-10.2398	-6.4065	14
PISO 3	C15	15	ENVE DISEÑO Max	0	-30.1226	5.0197	23.3851	0.6027	52.4182	8.0813	15
PISO 3	C15	15	ENVE DISEÑO Max	0.9133	-29.6886	5.0197	23.3851	0.6027	31.0892	3.5137	15
PISO 3	C15	15	ENVE DISEÑO Max	1.8267	-29.2546	5.0197	23.3851	0.6027	9.8921	0.8741	15
PISO 3	C15	15	ENVE DISEÑO Max	2.74	-28.8206	5.0197	23.3851	0.6027	10.3364	5.2474	15
PISO 3	C15	15	ENVE DISEÑO Min	0	-93.26	-4.8093	-20.4487	-0.5159	-46.3359	-7.937	15
PISO 3	C15	15	ENVE DISEÑO Min	0.9133	-92.6813	-4.8093	-20.4487	-0.5159	-27.6888	-3.5617	15
PISO 3	C15	15	ENVE DISEÑO Min	1.8267	-92.1026	-4.8093	-20.4487	-0.5159	-9.1736	-1.1143	15
PISO 3	C15	15	ENVE DISEÑO Min	2.74	-91.524	-4.8093	-20.4487	-0.5159	-12.2998	-5.6799	15
PISO 3	C16	16	ENVE DISEÑO Max	0	-13.9814	6.0765	22.4788	0.6064	51.0276	10.0771	16
PISO 3	C16	16	ENVE DISEÑO Max	0.9133	-13.5474	6.0765	22.4788	0.6064	30.9277	4.5397	16
PISO 3	C16	16	ENVE DISEÑO Max	1.8267	-13.1134	6.0765	22.4788	0.6064	10.9457	1.106	16
PISO 3	C16	16	ENVE DISEÑO Max	2.74	-12.6794	6.0765	22.4788	0.6064	19.8074	6.1399	16
PISO 3	C16	16	ENVE DISEÑO Min	0	-78.9388	-5.6542	-25.7116	-0.5278	-51.126	-9.3789	16
PISO 3	C16	16	ENVE DISEÑO Min	0.9133	-78.3601	-5.6542	-25.7116	-0.5278	-28.0735	-4.2272	16
PISO 3	C16	16	ENVE DISEÑO Min	1.8267	-77.7814	-5.6542	-25.7116	-0.5278	-5.1389	-1.1793	16
PISO 3	C16	16	ENVE DISEÑO Min	2.74	-77.2027	-5.6542	-25.7116	-0.5278	-11.048	-6.5989	16
PISO 3	C19	110	ENVE DISEÑO Max	0	-4.3289	9.4705	4.6447	0.8181	9.1729	12.3951	110
PISO 3	C19	110	ENVE DISEÑO Max	0.9133	-3.8602	9.4705	4.6447	0.8181	4.9671	3.8826	110
PISO 3	C19	110	ENVE DISEÑO Max	1.8267	-3.3915	9.4705	4.6447	0.8181	3.2002	-0.0287	110
PISO 3	C19	110	ENVE DISEÑO Max	2.74	-2.9228	9.4705	4.6447	0.8181	11.9037	3.8622	110
PISO 3	C19	110	ENVE DISEÑO Min	0	-30.984	-4.3252	-9.9961	-0.758	-15.5737	-8.0202	110
PISO 3	C19	110	ENVE DISEÑO Min	0.9133	-30.3591	-4.3252	-9.9961	-0.758	-6.4803	-4.207	110
PISO 3	C19	110	ENVE DISEÑO Min	1.8267	-29.7341	-4.3252	-9.9961	-0.758	0.1742	-4.9951	110
PISO 3	C19	110	ENVE DISEÑO Min	2.74	-29.1092	-4.3252	-9.9961	-0.758	-3.6417	-13.5853	110
PISO 3	C1	1	ENVE DISEÑO Max	0	-23.7723	1.9121	3.3557	0.2793	5.1035	2.7828	1

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	C1	1	ENVE DISEÑO Max	0.9133	-23.5244	1.9121	3.3557	0.2793	2.0476	1.0379	1
PISO 3	C1	1	ENVE DISEÑO Max	1.8267	-23.2765	1.9121	3.3557	0.2793	1.9508	0.9753	1
PISO 3	C1	1	ENVE DISEÑO Max	2.74	-23.0285	1.9121	3.3557	0.2793	6.772	2.8526	1
PISO 3	C1	1	ENVE DISEÑO Min	0	-55.0208	-2.0579	-5.299	-0.2883	-7.7597	-2.7879	1
PISO 3	C1	1	ENVE DISEÑO Min	0.9133	-54.6903	-2.0579	-5.299	-0.2883	-2.9288	-0.9097	1
PISO 3	C1	1	ENVE DISEÑO Min	1.8267	-54.3597	-2.0579	-5.299	-0.2883	-1.0571	-0.7139	1
PISO 3	C1	1	ENVE DISEÑO Min	2.74	-54.0292	-2.0579	-5.299	-0.2883	-4.1034	-2.458	1
PISO 3	C3	3	ENVE DISEÑO Max	0	-27.444	1.8292	2.6216	0.3584	4.8382	2.6272	3
PISO 3	C3	3	ENVE DISEÑO Max	0.9133	-27.1961	1.8292	2.6216	0.3584	2.5125	0.9572	3
PISO 3	C3	3	ENVE DISEÑO Max	1.8267	-26.9482	1.8292	2.6216	0.3584	0.6557	0.7028	3
PISO 3	C3	3	ENVE DISEÑO Max	2.74	-26.7003	1.8292	2.6216	0.3584	1.2187	2.4374	3
PISO 3	C3	3	ENVE DISEÑO Min	0	-50.4322	-1.9038	-1.5784	-0.3633	-3.3452	-2.7798	3
PISO 3	C3	3	ENVE DISEÑO Min	0.9133	-50.1017	-1.9038	-1.5784	-0.3633	-1.9723	-1.0417	3
PISO 3	C3	3	ENVE DISEÑO Min	1.8267	-49.7711	-1.9038	-1.5784	-0.3633	-1.0682	-0.7191	3
PISO 3	C3	3	ENVE DISEÑO Min	2.74	-49.4406	-1.9038	-1.5784	-0.3633	-2.584	-2.3856	3
PISO 3	C6	19	ENVE DISEÑO Max	0	-28.1509	1.9251	2.8862	0.4191	5.3728	2.7728	19
PISO 3	C6	19	ENVE DISEÑO Max	0.9133	-27.903	1.9251	2.8862	0.4191	2.9084	1.0151	19
PISO 3	C6	19	ENVE DISEÑO Max	1.8267	-27.6551	1.9251	2.8862	0.4191	1.0798	0.7707	19
PISO 3	C6	19	ENVE DISEÑO Max	2.74	-27.4072	1.9251	2.8862	0.4191	1.912	2.6147	19
PISO 3	C6	19	ENVE DISEÑO Min	0	-50.8039	-2.0212	-2.053	-0.4226	-4.161	-2.924	19
PISO 3	C6	19	ENVE DISEÑO Min	0.9133	-50.4733	-2.0212	-2.053	-0.4226	-2.4577	-1.0786	19
PISO 3	C6	19	ENVE DISEÑO Min	1.8267	-50.1428	-2.0212	-2.053	-0.4226	-1.3902	-0.7464	19
PISO 3	C6	19	ENVE DISEÑO Min	2.74	-49.8123	-2.0212	-2.053	-0.4226	-2.9834	-2.5027	19
PISO 3	C20	21	ENVE DISEÑO Max	0	-26.0342	2.0462	4.3402	0.4374	7.4565	2.958	21
PISO 3	C20	21	ENVE DISEÑO Max	0.9133	-25.7862	2.0462	4.3402	0.4374	8.835	1.0898	21
PISO 3	C20	21	ENVE DISEÑO Max	1.8267	-25.5383	2.0462	4.3402	0.4374	1.4108	0.9889	21
PISO 3	C20	21	ENVE DISEÑO Max	2.74	-25.2904	2.0462	4.3402	0.4374	0.0373	3.1237	21
PISO 3	C20	21	ENVE DISEÑO Min	0	-50.6756	-2.3413	-3.9793	-0.4214	-7.2748	-3.2923	21
PISO 3	C20	21	ENVE DISEÑO Min	0.9133	-50.3451	-2.3413	-3.9793	-0.4214	-3.983	-1.1546	21
PISO 3	C20	21	ENVE DISEÑO Min	1.8267	-50.0146	-2.3413	-3.9793	-0.4214	-1.8884	-0.7841	21
PISO 3	C20	21	ENVE DISEÑO Min	2.74	-49.684	-2.3413	-3.9793	-0.4214	-4.8446	-2.6495	21
PISO 3	C21	37	ENVE DISEÑO Max	0	-27.1349	2.3912	7.7386	0.5332	13.7104	3.6824	37
PISO 3	C21	37	ENVE DISEÑO Max	0.9133	-26.887	2.3912	7.7386	0.5332	6.8007	1.5016	37
PISO 3	C21	37	ENVE DISEÑO Max	1.8267	-26.639	2.3912	7.7386	0.5332	1.7149	0.3082	37
PISO 3	C21	37	ENVE DISEÑO Max	2.74	-26.3911	2.3912	7.7386	0.5332	8.2375	1.8325	37
PISO 3	C21	37	ENVE DISEÑO Min	0	-50.044	-1.7277	-8.9429	-0.5117	-16.5674	-2.9072	37
PISO 3	C21	37	ENVE DISEÑO Min	0.9133	-49.7134	-1.7277	-8.9429	-0.5117	-8.5579	-1.3324	37
PISO 3	C21	37	ENVE DISEÑO Min	1.8267	-49.3829	-1.7277	-8.9429	-0.5117	-2.3722	-0.7451	37
PISO 3	C21	37	ENVE DISEÑO Min	2.74	-49.0524	-1.7277	-8.9429	-0.5117	-7.7949	-2.8754	37
PISO 3	C22	280	ENVE DISEÑO Max	0	5.8299	5.1911	31.7205	0.6878	74.1686	9.4976	280
PISO 3	C22	280	ENVE DISEÑO Max	0.9133	6.3033	5.1911	31.7205	0.6878	45.2331	4.7815	280
PISO 3	C22	280	ENVE DISEÑO Max	1.8267	6.7768	5.1911	31.7205	0.6878	16.4641	0.5237	280
PISO 3	C22	280	ENVE DISEÑO Max	2.74	7.2503	5.1911	31.7205	0.6878	17.5151	3.7392	280
PISO 3	C22	280	ENVE DISEÑO Min	0	-57.7276	-4.3403	-31.1574	-0.5921	-68.7613	-8.3392	280
PISO 3	C22	280	ENVE DISEÑO Min	0.9133	-57.0963	-4.3403	-31.1574	-0.5921	-40.34	-4.4002	280

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	C22	280	ENVE DISEÑO Min	1.8267	-56.465	-4.3403	-31.1574	-0.5921	-12.0853	-0.9194	280
PISO 3	C22	280	ENVE DISEÑO Min	2.74	-55.8337	-4.3403	-31.1574	-0.5921	-13.6506	-4.912	280
PISO 3	C23	282	ENVE DISEÑO Max	0	5.6781	4.2159	32.9033	0.6898	75.3996	7.5393	282
PISO 3	C23	282	ENVE DISEÑO Max	0.9133	6.1516	4.2159	32.9033	0.6898	45.3846	3.7086	282
PISO 3	C23	282	ENVE DISEÑO Max	1.8267	6.6251	4.2159	32.9033	0.6898	15.5391	0.2209	282
PISO 3	C23	282	ENVE DISEÑO Max	2.74	7.0986	4.2159	32.9033	0.6898	15.0044	3.6672	282
PISO 3	C23	282	ENVE DISEÑO Min	0	-69.1141	-4.0447	-29.9166	-0.5952	-67.5099	-7.4342	282
PISO 3	C23	282	ENVE DISEÑO Min	0.9133	-68.4829	-4.0447	-29.9166	-0.5952	-40.2228	-3.7598	282
PISO 3	C23	282	ENVE DISEÑO Min	1.8267	-67.8516	-4.0447	-29.9166	-0.5952	-13.1051	-0.4284	282
PISO 3	C23	282	ENVE DISEÑO Min	2.74	-67.2203	-4.0447	-29.9166	-0.5952	-15.2983	-4.031	282
PISO 3	C17	471	ENVE DISEÑO Max	0	-19.182	4.441	21.6186	4.6421	46.2372	8.4869	471
PISO 3	C17	471	ENVE DISEÑO Max	1.08	-18.6221	4.441	21.6186	4.6421	22.912	3.7519	471
PISO 3	C17	471	ENVE DISEÑO Max	2.16	-18.0622	4.441	21.6186	4.6421	2.4772	0.1194	471
PISO 3	C17	471	ENVE DISEÑO Max	3.24	-17.5024	4.441	21.6186	4.6421	-6.4508	-1.3537	471
PISO 3	C17	471	ENVE DISEÑO Min	0	-43.1238	1.1506	-0.7215	-5.1246	-9.0085	2.2006	471
PISO 3	C17	471	ENVE DISEÑO Min	1.08	-42.3774	1.1506	-0.7215	-5.1246	-8.2522	0.8966	471
PISO 3	C17	471	ENVE DISEÑO Min	2.16	-41.6309	1.1506	-0.7215	-5.1246	-10.3864	-1.5098	471
PISO 3	C17	471	ENVE DISEÑO Min	3.24	-40.8844	1.1506	-0.7215	-5.1246	-24.0272	-6.0757	471
PISO 2	C4	40	ENVE DISEÑO Max	0	-55.5585	8.5229	-3.4151	0.3328	-9.2992	9.2043	40
PISO 2	C4	40	ENVE DISEÑO Max	0.9133	-55.085	8.5229	-3.4151	0.3328	-0.2741	3.6279	40
PISO 2	C4	40	ENVE DISEÑO Max	1.8267	-54.6115	8.5229	-3.4151	0.3328	12.0159	2.1152	40
PISO 2	C4	40	ENVE DISEÑO Max	2.74	-54.1381	8.5229	-3.4151	0.3328	28.1107	1.7791	40
PISO 2	C4	40	ENVE DISEÑO Min	0	-96.1394	0.3278	-17.815	-0.3272	-22.7303	2.4591	40
PISO 2	C4	40	ENVE DISEÑO Min	0.9133	-95.5081	0.3278	-17.815	-0.3272	-12.3653	-0.0481	40
PISO 2	C4	40	ENVE DISEÑO Min	1.8267	-94.8768	0.3278	-17.815	-0.3272	-5.2652	-6.6189	40
PISO 2	C4	40	ENVE DISEÑO Min	2.74	-94.2455	0.3278	-17.815	-0.3272	-1.9698	-14.3665	40
PISO 2	C5	41	ENVE DISEÑO Max	0	-32.8496	3.0435	-1.7676	0.2923	-1.9149	2.5915	41
PISO 2	C5	41	ENVE DISEÑO Max	0.9133	-32.3761	3.0435	-1.7676	0.2923	-0.1824	1.1321	41
PISO 2	C5	41	ENVE DISEÑO Max	1.8267	-31.9026	3.0435	-1.7676	0.2923	2.4925	2.6257	41
PISO 2	C5	41	ENVE DISEÑO Max	2.74	-31.4291	3.0435	-1.7676	0.2923	8.5368	4.46	41
PISO 2	C5	41	ENVE DISEÑO Min	0	-63.1971	-2.0724	-7.1152	-0.3098	-11.258	-1.4825	41
PISO 2	C5	41	ENVE DISEÑO Min	0.9133	-62.5658	-2.0724	-7.1152	-0.3098	-4.8775	-0.9101	41
PISO 2	C5	41	ENVE DISEÑO Min	1.8267	-61.9345	-2.0724	-7.1152	-0.3098	0.5605	-3.2907	41
PISO 2	C5	41	ENVE DISEÑO Min	2.74	-61.3032	-2.0724	-7.1152	-0.3098	2.6292	-6.012	41
PISO 2	C7	43	ENVE DISEÑO Max	0	-35.5039	2.2155	1.7914	0.1303	1.3765	2.6146	43
PISO 2	C7	43	ENVE DISEÑO Max	0.9133	-35.1094	2.2155	1.7914	0.1303	1.6967	0.7741	43
PISO 2	C7	43	ENVE DISEÑO Max	1.8267	-34.7148	2.2155	1.7914	0.1303	4.3888	1.158	43
PISO 2	C7	43	ENVE DISEÑO Max	2.74	-34.3202	2.2155	1.7914	0.1303	7.5514	2.5663	43
PISO 2	C7	43	ENVE DISEÑO Min	0	-66.057	-1.5873	-3.6362	-0.1104	-3.3202	-1.8593	43
PISO 2	C7	43	ENVE DISEÑO Min	0.9133	-65.5309	-1.5873	-3.6362	-0.1104	-1.9553	-0.5926	43
PISO 2	C7	43	ENVE DISEÑO Min	1.8267	-65.0049	-1.5873	-3.6362	-0.1104	-2.9625	-1.5503	43
PISO 2	C7	43	ENVE DISEÑO Min	2.74	-64.4788	-1.5873	-3.6362	-0.1104	-4.4402	-3.5325	43
PISO 2	C8	44	ENVE DISEÑO Max	0	-38.5267	1.344	2.9045	0.1304	2.9268	2.1184	44
PISO 2	C8	44	ENVE DISEÑO Max	0.9133	-38.1322	1.344	2.9045	0.1304	1.7389	0.8919	44
PISO 2	C8	44	ENVE DISEÑO Max	1.8267	-37.7376	1.344	2.9045	0.1304	1.97	1.0426	44

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	C8	44	ENVE DISEÑO Max	2.74	-37.3431	1.344	2.9045	0.1304	2.7352	3.0861	44
PISO 2	C8	44	ENVE DISEÑO Min	0	-88.0733	-2.2392	-1.1212	-0.1203	-1.5452	-3.0506	44
PISO 2	C8	44	ENVE DISEÑO Min	0.9133	-88.5472	-2.2392	-1.1212	-0.1203	-1.986	-1.0065	44
PISO 2	C8	44	ENVE DISEÑO Min	1.8267	-88.0211	-2.2392	-1.1212	-0.1203	-3.8459	-0.3396	44
PISO 2	C8	44	ENVE DISEÑO Min	2.74	-87.495	-2.2392	-1.1212	-0.1203	-6.2398	-1.5655	44
PISO 2	C9	45	ENVE DISEÑO Max	0	-13.7397	1.0594	0.46	0.2994	0.7016	1.8561	45
PISO 2	C9	45	ENVE DISEÑO Max	0.9133	-13.3451	1.0594	0.46	0.2994	0.2938	0.986	45
PISO 2	C9	45	ENVE DISEÑO Max	1.8267	-12.9506	1.0594	0.46	0.2994	0.0898	0.2593	45
PISO 2	C9	45	ENVE DISEÑO Max	2.74	-12.556	1.0594	0.46	0.2994	0.2789	0.3592	45
PISO 2	C9	45	ENVE DISEÑO Min	0	-27.1407	-0.6072	-0.2516	-0.3114	-0.4346	-1.4967	45
PISO 2	C9	45	ENVE DISEÑO Min	0.9133	-26.6146	-0.6072	-0.2516	-0.3114	-0.2171	-1.0397	45
PISO 2	C9	45	ENVE DISEÑO Min	1.8267	-26.0886	-0.6072	-0.2516	-0.3114	-0.2033	-0.726	45
PISO 2	C9	45	ENVE DISEÑO Min	2.74	-25.5625	-0.6072	-0.2516	-0.3114	-0.5827	-1.2389	45
PISO 2	C10	46	ENVE DISEÑO Max	0	-9.5335	2.8618	0.3056	0.2355	0.9255	4.434	46
PISO 2	C10	46	ENVE DISEÑO Max	0.9133	-9.139	2.8618	0.3056	0.2355	0.7109	1.9018	46
PISO 2	C10	46	ENVE DISEÑO Max	1.8267	-8.7444	2.8618	0.3056	0.2355	0.5925	0.7999	46
PISO 2	C10	46	ENVE DISEÑO Max	2.74	-8.3498	2.8618	0.3056	0.2355	0.6776	2.7276	46
PISO 2	C10	46	ENVE DISEÑO Min	0	-35.4394	-2.4215	-0.4711	-0.2273	-1.0378	-4.0447	46
PISO 2	C10	46	ENVE DISEÑO Min	0.9133	-34.9133	-2.4215	-0.4711	-0.2273	-0.6722	-1.9146	46
PISO 2	C10	46	ENVE DISEÑO Min	1.8267	-34.3872	-2.4215	-0.4711	-0.2273	-0.4026	-1.2149	46
PISO 2	C10	46	ENVE DISEÑO Min	2.74	-33.8611	-2.4215	-0.4711	-0.2273	-0.3366	-3.5448	46
PISO 2	C19	112	ENVE DISEÑO Max	0	-16.2751	2.2515	0.0756	0.1537	-1.6698	3.0355	112
PISO 2	C19	112	ENVE DISEÑO Max	0.9133	-15.8064	2.2515	0.0756	0.1537	0.469	1.3902	112
PISO 2	C19	112	ENVE DISEÑO Max	1.8267	-15.3377	2.2515	0.0756	0.1537	4.4687	3.0592	112
PISO 2	C19	112	ENVE DISEÑO Max	2.74	-14.869	2.2515	0.0756	0.1537	9.5463	6.2652	112
PISO 2	C19	112	ENVE DISEÑO Min	0	-56.5335	-3.6291	-5.6516	-0.1555	-6.6609	-3.8455	112
PISO 2	C19	112	ENVE DISEÑO Min	0.9133	-55.9085	-3.6291	-5.6516	-0.1555	-3.7069	-0.942	112
PISO 2	C19	112	ENVE DISEÑO Min	1.8267	-55.2836	-3.6291	-5.6516	-0.1555	-2.6139	-1.3528	112
PISO 2	C19	112	ENVE DISEÑO Min	2.74	-54.6587	-3.6291	-5.6516	-0.1555	-2.5987	-3.3006	112
PISO 2	C1	307	ENVE DISEÑO Max	0	-36.8228	1.1072	0.1673	0.1947	0.5885	1.5622	307
PISO 2	C1	307	ENVE DISEÑO Max	0.9133	-36.5749	1.1072	0.1673	0.1947	0.6649	0.5646	307
PISO 2	C1	307	ENVE DISEÑO Max	1.8267	-36.327	1.1072	0.1673	0.1947	1.4361	0.2816	307
PISO 2	C1	307	ENVE DISEÑO Max	2.74	-36.0791	1.1072	0.1673	0.1947	2.6397	1.114	307
PISO 2	C1	307	ENVE DISEÑO Min	0	-84.4324	-0.9262	-1.5187	-0.1736	-1.939	-1.4397	307
PISO 2	C1	307	ENVE DISEÑO Min	0.9133	-84.1019	-0.9262	-1.5187	-0.1736	-0.8011	-0.6074	307
PISO 2	C1	307	ENVE DISEÑO Min	1.8267	-83.7713	-0.9262	-1.5187	-0.1736	-0.338	-0.4898	307
PISO 2	C1	307	ENVE DISEÑO Min	2.74	-83.4408	-0.9262	-1.5187	-0.1736	-0.3073	-1.4874	307
PISO 2	C3	290	ENVE DISEÑO Max	0	-41.2221	0.6021	1.56	0.1637	1.7062	1.02	290
PISO 2	C3	290	ENVE DISEÑO Max	0.9133	-40.9742	0.6021	1.56	0.1637	1.2414	0.4763	290
PISO 2	C3	290	ENVE DISEÑO Max	1.8267	-40.7263	0.6021	1.56	0.1637	1.5588	0.1965	290
PISO 2	C3	290	ENVE DISEÑO Max	2.74	-40.4784	0.6021	1.56	0.1637	2.1773	0.8722	290
PISO 2	C3	290	ENVE DISEÑO Min	0	-78.2178	-0.7694	-0.8215	-0.1496	-0.8718	-1.2506	290
PISO 2	C3	290	ENVE DISEÑO Min	0.9133	-77.8873	-0.7694	-0.8215	-0.1496	-1.0815	-0.5541	290
PISO 2	C3	290	ENVE DISEÑO Min	1.8267	-77.5567	-0.7694	-0.8215	-0.1496	-2.0733	-0.1214	290
PISO 2	C3	290	ENVE DISEÑO Min	2.74	-77.2262	-0.7694	-0.8215	-0.1496	-3.3662	-0.6443	290

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	C6	291	ENVE DISEÑO Max	0	-42.5154	0.5554	2.3287	0.1833	2.8451	0.937	291
PISO 2	C6	291	ENVE DISEÑO Max	0.9133	-42.2675	0.5554	2.3287	0.1833	2.0434	0.437	291
PISO 2	C6	291	ENVE DISEÑO Max	1.8267	-42.0196	0.5554	2.3287	0.1833	2.4369	0.1707	291
PISO 2	C6	291	ENVE DISEÑO Max	2.74	-41.7717	0.5554	2.3287	0.1833	3.4119	0.7271	291
PISO 2	C6	291	ENVE DISEÑO Min	0	-78.7468	-0.6623	-1.3673	-0.157	-1.6873	-1.1042	291
PISO 2	C6	291	ENVE DISEÑO Min	0.9133	-78.4162	-0.6623	-1.3673	-0.157	-1.7638	-0.5067	291
PISO 2	C6	291	ENVE DISEÑO Min	1.8267	-78.0857	-0.6623	-1.3673	-0.157	-3.0354	-0.1428	291
PISO 2	C6	291	ENVE DISEÑO Min	2.74	-77.7551	-0.6623	-1.3673	-0.157	-4.8884	-0.6016	291
PISO 2	C20	294	ENVE DISEÑO Max	0	-39.5489	0.4502	2.1959	0.1758	3.6018	0.7809	294
PISO 2	C20	294	ENVE DISEÑO Max	0.9133	-39.301	0.4502	2.1959	0.1758	2.7119	0.379	294
PISO 2	C20	294	ENVE DISEÑO Max	1.8267	-39.0531	0.4502	2.1959	0.1758	2.9311	0.1414	294
PISO 2	C20	294	ENVE DISEÑO Max	2.74	-38.8052	0.4502	2.1959	0.1758	4.0223	0.5163	294
PISO 2	C20	294	ENVE DISEÑO Min	0	-77.6465	-0.5073	-1.8585	-0.1462	-2.9621	-0.8955	294
PISO 2	C20	294	ENVE DISEÑO Min	0.9133	-77.316	-0.5073	-1.8585	-0.1462	-2.3805	-0.4414	294
PISO 2	C20	294	ENVE DISEÑO Min	1.8267	-76.9854	-0.5073	-1.8585	-0.1462	-2.9078	-0.1516	294
PISO 2	C20	294	ENVE DISEÑO Min	2.74	-76.6549	-0.5073	-1.8585	-0.1462	-4.3072	-0.4744	294
PISO 2	C21	295	ENVE DISEÑO Max	0	-20.7261	0.9481	3.5146	0.1372	6.5413	1.1527	295
PISO 2	C21	295	ENVE DISEÑO Max	0.9133	-20.4782	0.9481	3.5146	0.1372	3.493	0.378	295
PISO 2	C21	295	ENVE DISEÑO Max	1.8267	-20.2303	0.9481	3.5146	0.1372	2.4417	0.407	295
PISO 2	C21	295	ENVE DISEÑO Max	2.74	-19.9824	0.9481	3.5146	0.1372	6.8036	1.0868	295
PISO 2	C21	295	ENVE DISEÑO Min	0	-82.846	-0.7614	-5.3074	-0.1068	-7.939	-0.1062	295
PISO 2	C21	295	ENVE DISEÑO Min	0.9133	-82.5154	-0.7614	-5.3074	-0.1068	-3.2534	-0.4119	295
PISO 2	C21	295	ENVE DISEÑO Min	1.8267	-82.1849	-0.7614	-5.3074	-0.1068	-0.5647	-0.6114	295
PISO 2	C21	295	ENVE DISEÑO Min	2.74	-81.8543	-0.7614	-5.3074	-0.1068	-3.2892	-1.4616	295
PISO 2	C17	470	ENVE DISEÑO Max	0	-42.7362	5.2895	18.0653	0.5934	24.3502	7.56	470
PISO 2	C17	470	ENVE DISEÑO Max	0.9133	-42.2627	5.2895	18.0653	0.5934	13.6793	2.8647	470
PISO 2	C17	470	ENVE DISEÑO Max	1.8267	-41.7893	5.2895	18.0653	0.5934	5.8311	-1.1396	470
PISO 2	C17	470	ENVE DISEÑO Max	2.74	-41.3158	5.2895	18.0653	0.5934	1.9356	-3.3925	470
PISO 2	C17	470	ENVE DISEÑO Min	0	-81.942	2.2376	3.9358	-0.6361	10.6041	2.5935	470
PISO 2	C17	470	ENVE DISEÑO Min	0.9133	-81.3107	2.2376	3.9358	-0.6361	1.1807	0.414	470
PISO 2	C17	470	ENVE DISEÑO Min	1.8267	-80.6794	2.2376	3.9358	-0.6361	-11.0654	-2.4955	470
PISO 2	C17	470	ENVE DISEÑO Min	2.74	-80.0481	2.2376	3.9358	-0.6361	-27.2642	-7.0782	470
PISO 1	C4	56	ENVE DISEÑO Max	0	-84.4564	6.0588	-4.0851	0.2275	2.1179	6.3323	56
PISO 1	C4	56	ENVE DISEÑO Max	0.7667	-84.059	6.0588	-4.0851	0.2275	5.3235	1.7466	56
PISO 1	C4	56	ENVE DISEÑO Max	1.5333	-83.6615	6.0588	-4.0851	0.2275	13.4482	-1.005	56
PISO 1	C4	56	ENVE DISEÑO Max	2.3	-83.2641	6.0588	-4.0851	0.2275	26.1975	-1.7842	56
PISO 1	C4	56	ENVE DISEÑO Min	0	-149.3079	0.5744	-20.5813	-0.1922	-22.8139	-0.6247	56
PISO 1	C4	56	ENVE DISEÑO Min	0.7667	-148.778	0.5744	-20.5813	-0.1922	-7.1086	-1.1245	56
PISO 1	C4	56	ENVE DISEÑO Min	1.5333	-148.2481	0.5744	-20.5813	-0.1922	3.6776	-3.4583	56
PISO 1	C4	56	ENVE DISEÑO Min	2.3	-147.7181	0.5744	-20.5813	-0.1922	10.8512	-7.7645	56
PISO 1	C5	57	ENVE DISEÑO Max	0	-53.1434	2.3451	-1.22	0.1903	1.9316	3.1628	57
PISO 1	C5	57	ENVE DISEÑO Max	0.7667	-52.7459	2.3451	-1.22	0.1903	2.9095	1.3862	57
PISO 1	C5	57	ENVE DISEÑO Max	1.5333	-52.3485	2.3451	-1.22	0.1903	5.9053	0.3097	57
PISO 1	C5	57	ENVE DISEÑO Max	2.3	-51.951	2.3451	-1.22	0.1903	10.3905	1.6879	57
PISO 1	C5	57	ENVE DISEÑO Min	0	-100.4212	-1.9493	-8.244	-0.1929	-9.7618	-2.8428	57

Table 1.1 - Column Forces (Part 1 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	C5	57	ENVE DISEÑO Min	0.7667	-99.8913	-1.9493	-8.244	-0.1929	-3.484	-1.3698	57
PISO 1	C5	57	ENVE DISEÑO Max	1.5333	-99.3614	-1.9493	-8.244	-0.1929	0.776	-0.5968	57
PISO 1	C5	57	ENVE DISEÑO Min	2.3	-98.8315	-1.9493	-8.244	-0.1929	4.0444	-2.2784	57
PISO 1	C7	296	ENVE DISEÑO Max	0	-13.5263	1.6944	0.2048	0.1312	0.3441	2.3967	296
PISO 1	C7	296	ENVE DISEÑO Max	0.7667	-13.1951	1.6944	0.2048	0.1312	0.1976	1.1161	296
PISO 1	C7	296	ENVE DISEÑO Max	1.5333	-12.8639	1.6944	0.2048	0.1312	0.1209	0.136	296
PISO 1	C7	296	ENVE DISEÑO Max	2.3	-12.5327	1.6944	0.2048	0.1312	0.2967	1.1648	296
PISO 1	C7	296	ENVE DISEÑO Min	0	-28.049	-1.4726	-0.2941	-0.1474	-0.3976	-2.2464	296
PISO 1	C7	296	ENVE DISEÑO Min	0.7667	-27.6074	-1.4726	-0.2941	-0.1474	-0.1827	-1.1358	296
PISO 1	C7	296	ENVE DISEÑO Min	1.5333	-27.1658	-1.4726	-0.2941	-0.1474	-0.0375	-0.3258	296
PISO 1	C7	296	ENVE DISEÑO Min	2.3	-26.7242	-1.4726	-0.2941	-0.1474	-0.1449	-1.5246	296
PISO 1	C8	79	ENVE DISEÑO Max	0	-11.8194	0.4054	0.2279	0.1329	0.4534	0.5483	79
PISO 1	C8	79	ENVE DISEÑO Max	0.7667	-11.4882	0.4054	0.2279	0.1329	0.2828	0.2387	79
PISO 1	C8	79	ENVE DISEÑO Max	1.5333	-11.157	0.4054	0.2279	0.1329	0.4552	0.0594	79
PISO 1	C8	79	ENVE DISEÑO Max	2.3	-10.8258	0.4054	0.2279	0.1329	1.1593	0.3745	79
PISO 1	C8	79	ENVE DISEÑO Min	0	-22.9266	-0.4121	-0.9347	-0.1309	-0.9975	-0.5786	79
PISO 1	C8	79	ENVE DISEÑO Min	0.7667	-22.485	-0.4121	-0.9347	-0.1309	-0.285	-0.2638	79
PISO 1	C8	79	ENVE DISEÑO Min	1.5333	-22.0434	-0.4121	-0.9347	-0.1309	0.0845	-0.0794	79
PISO 1	C8	79	ENVE DISEÑO Min	2.3	-21.6018	-0.4121	-0.9347	-0.1309	-0.0777	-0.3893	79
PISO 1	C9	24	ENVE DISEÑO Max	0	-8.8451	0.2409	1.7527	0.0909	2.0133	0.2947	24
PISO 1	C9	24	ENVE DISEÑO Max	0.7667	-8.5139	0.2409	1.7527	0.0909	0.6697	0.1103	24
PISO 1	C9	24	ENVE DISEÑO Max	1.5333	-8.1827	0.2409	1.7527	0.0909	0.279	0.0116	24
PISO 1	C9	24	ENVE DISEÑO Max	2.3	-7.8515	0.2409	1.7527	0.0909	1.0465	0.0815	24
PISO 1	C9	24	ENVE DISEÑO Min	0	-17.5414	-0.0924	-1.0013	-0.0843	-1.2567	-0.1317	24
PISO 1	C9	24	ENVE DISEÑO Min	0.7667	-17.0998	-0.0924	-1.0013	-0.0843	-0.4891	-0.0611	24
PISO 1	C9	24	ENVE DISEÑO Min	1.5333	-16.6582	-0.0924	-1.0013	-0.0843	-0.6744	-0.0762	24
PISO 1	C9	24	ENVE DISEÑO Min	2.3	-16.2166	-0.0924	-1.0013	-0.0843	-2.0179	-0.2599	24
PISO 1	C19	113	ENVE DISEÑO Max	0	-30.702	3.816	-1.3021	0.2714	-0.4202	4.8241	113
PISO 1	C19	113	ENVE DISEÑO Max	0.7667	-30.3086	3.816	-1.3021	0.2714	0.6261	1.924	113
PISO 1	C19	113	ENVE DISEÑO Max	1.5333	-29.9151	3.816	-1.3021	0.2714	3.0552	0.2878	113
PISO 1	C19	113	ENVE DISEÑO Max	2.3	-29.5217	3.816	-1.3021	0.2714	6.4355	2.1386	113
PISO 1	C19	113	ENVE DISEÑO Min	0	-77.321	-2.575	-4.7409	-0.2567	-4.6807	-3.8352	113
PISO 1	C19	113	ENVE DISEÑO Min	0.7667	-76.7964	-2.575	-4.7409	-0.2567	-1.094	-1.8865	113
PISO 1	C19	113	ENVE DISEÑO Min	1.5333	-76.2718	-2.575	-4.7409	-0.2567	1.1098	-1.2018	113
PISO 1	C19	113	ENVE DISEÑO Min	2.3	-75.7472	-2.575	-4.7409	-0.2567	2.4146	-4.0039	113
PISO 1	C17	469	ENVE DISEÑO Max	0	-68.433	4.449	22.0491	0.2922	23.6852	4.1093	469
PISO 1	C17	469	ENVE DISEÑO Max	0.7667	-68.0356	4.449	22.0491	0.2922	6.8527	0.8402	469
PISO 1	C17	469	ENVE DISEÑO Max	1.5333	-67.6382	4.449	22.0491	0.2922	-4.5896	-0.9903	469
PISO 1	C17	469	ENVE DISEÑO Max	2.3	-67.2407	4.449	22.0491	0.2922	-12.4718	-2.0433	469
PISO 1	C17	469	ENVE DISEÑO Min	0	-128.7858	1.2067	5.0567	-0.2616	-1.4873	0.6189	469
PISO 1	C17	469	ENVE DISEÑO Min	0.7667	-128.2559	1.2067	5.0567	-0.2616	-5.4359	-0.4481	469
PISO 1	C17	469	ENVE DISEÑO Min	1.5333	-127.726	1.2067	5.0567	-0.2616	-14.7747	-2.9879	469
PISO 1	C17	469	ENVE DISEÑO Min	2.3	-127.1961	1.2067	5.0567	-0.2616	-28.92	-6.2773	469

Table 1.1 - Column Forces (Part 2 of 2)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	C7	25	ENVE DISEÑO Max	0	0	
CUB	C7	25	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C7	25	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C7	25	ENVE DISEÑO Max	1.04	1.04	
CUB	C7	25	ENVE DISEÑO Min	0	0	
CUB	C7	25	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C7	25	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C7	25	ENVE DISEÑO Min	1.04	1.04	
CUB	C8	26	ENVE DISEÑO Max	0	0	
CUB	C8	26	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C8	26	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C8	26	ENVE DISEÑO Max	1.04	1.04	
CUB	C8	26	ENVE DISEÑO Min	0	0	
CUB	C8	26	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C8	26	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C8	26	ENVE DISEÑO Min	1.04	1.04	
CUB	C9	27	ENVE DISEÑO Max	0	0	
CUB	C9	27	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C9	27	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C9	27	ENVE DISEÑO Max	1.04	1.04	
CUB	C9	27	ENVE DISEÑO Min	0	0	
CUB	C9	27	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C9	27	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C9	27	ENVE DISEÑO Min	1.04	1.04	
CUB	C10	28	ENVE DISEÑO Max	0	0	
CUB	C10	28	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C10	28	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C10	28	ENVE DISEÑO Max	1.04	1.04	
CUB	C10	28	ENVE DISEÑO Min	0	0	
CUB	C10	28	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C10	28	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C10	28	ENVE DISEÑO Min	1.04	1.04	
CUB	C11	29	ENVE DISEÑO Max	0	0	
CUB	C11	29	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C11	29	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C11	29	ENVE DISEÑO Max	1.04	1.04	
CUB	C11	29	ENVE DISEÑO Min	0	0	
CUB	C11	29	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C11	29	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C11	29	ENVE DISEÑO Min	1.04	1.04	
CUB	C12	30	ENVE DISEÑO Max	0	0	
CUB	C12	30	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C12	30	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C12	30	ENVE DISEÑO Max	1.04	1.04	
CUB	C12	30	ENVE DISEÑO Min	0	0	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	C12	30	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C12	30	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C12	30	ENVE DISEÑO Min	1.04	1.04	
CUB	C13	31	ENVE DISEÑO Max	0	0	
CUB	C13	31	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C13	31	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C13	31	ENVE DISEÑO Max	1.04	1.04	
CUB	C13	31	ENVE DISEÑO Min	0	0	
CUB	C13	31	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C13	31	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C13	31	ENVE DISEÑO Min	1.04	1.04	
CUB	C14	32	ENVE DISEÑO Max	0	0	
CUB	C14	32	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C14	32	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C14	32	ENVE DISEÑO Max	1.04	1.04	
CUB	C14	32	ENVE DISEÑO Min	0	0	
CUB	C14	32	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C14	32	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C14	32	ENVE DISEÑO Min	1.04	1.04	
CUB	C15	33	ENVE DISEÑO Max	0	0	
CUB	C15	33	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C15	33	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C15	33	ENVE DISEÑO Max	1.04	1.04	
CUB	C15	33	ENVE DISEÑO Min	0	0	
CUB	C15	33	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C15	33	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C15	33	ENVE DISEÑO Min	1.04	1.04	
CUB	C16	34	ENVE DISEÑO Max	0	0	
CUB	C16	34	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C16	34	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C16	34	ENVE DISEÑO Max	1.04	1.04	
CUB	C16	34	ENVE DISEÑO Min	0	0	
CUB	C16	34	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C16	34	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C16	34	ENVE DISEÑO Min	1.04	1.04	
CUB	C1	226	ENVE DISEÑO Max	0	0	
CUB	C1	226	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C1	226	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C1	226	ENVE DISEÑO Max	1.04	1.04	
CUB	C1	226	ENVE DISEÑO Min	0	0	
CUB	C1	226	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C1	226	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C1	226	ENVE DISEÑO Min	1.04	1.04	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	C3	227	ENVE DISEÑO Max	0	0	
CUB	C3	227	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C3	227	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C3	227	ENVE DISEÑO Max	1.04	1.04	
CUB	C3	227	ENVE DISEÑO Min	0	0	
CUB	C3	227	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C3	227	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C3	227	ENVE DISEÑO Min	1.04	1.04	
CUB	C6	228	ENVE DISEÑO Max	0	0	
CUB	C6	228	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C6	228	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C6	228	ENVE DISEÑO Max	1.04	1.04	
CUB	C6	228	ENVE DISEÑO Min	0	0	
CUB	C6	228	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C6	228	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C6	228	ENVE DISEÑO Min	1.04	1.04	
CUB	C20	231	ENVE DISEÑO Max	0	0	
CUB	C20	231	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C20	231	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C20	231	ENVE DISEÑO Max	1.04	1.04	
CUB	C20	231	ENVE DISEÑO Min	0	0	
CUB	C20	231	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C20	231	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C20	231	ENVE DISEÑO Min	1.04	1.04	
CUB	C21	232	ENVE DISEÑO Max	0	0	
CUB	C21	232	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C21	232	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C21	232	ENVE DISEÑO Max	1.04	1.04	
CUB	C21	232	ENVE DISEÑO Min	0	0	
CUB	C21	232	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C21	232	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C21	232	ENVE DISEÑO Min	1.04	1.04	
CUB	C22	281	ENVE DISEÑO Max	0	0	
CUB	C22	281	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C22	281	ENVE DISEÑO Max	0.6933	0.6933	
CUB	C22	281	ENVE DISEÑO Max	1.04	1.04	
CUB	C22	281	ENVE DISEÑO Min	0	0	
CUB	C22	281	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C22	281	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C22	281	ENVE DISEÑO Min	1.04	1.04	
CUB	C23	287	ENVE DISEÑO Max	0	0	
CUB	C23	287	ENVE DISEÑO Max	0.3467	0.3467	
CUB	C23	287	ENVE DISEÑO Max	0.6933	0.6933	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	C23	287	ENVE DISEÑO Max	1.04	1.04	
CUB	C23	287	ENVE DISEÑO Min	0	0	
CUB	C23	287	ENVE DISEÑO Min	0.3467	0.3467	
CUB	C23	287	ENVE DISEÑO Min	0.6933	0.6933	
CUB	C23	287	ENVE DISEÑO Min	1.04	1.04	
PISO 3A	C4	59	ENVE DISEÑO Max	0	0	
PISO 3A	C4	59	ENVE DISEÑO Max	0.4	0.4	
PISO 3A	C4	59	ENVE DISEÑO Max	0.8	0.8	
PISO 3A	C4	59	ENVE DISEÑO Max	1.2	1.2	
PISO 3A	C4	59	ENVE DISEÑO Min	0	0	
PISO 3A	C4	59	ENVE DISEÑO Min	0.4	0.4	
PISO 3A	C4	59	ENVE DISEÑO Min	0.8	0.8	
PISO 3A	C4	59	ENVE DISEÑO Min	1.2	1.2	
PISO 3A	C5	71	ENVE DISEÑO Max	0	0	
PISO 3A	C5	71	ENVE DISEÑO Max	0.4	0.4	
PISO 3A	C5	71	ENVE DISEÑO Max	0.8	0.8	
PISO 3A	C5	71	ENVE DISEÑO Max	1.2	1.2	
PISO 3A	C5	71	ENVE DISEÑO Min	0	0	
PISO 3A	C5	71	ENVE DISEÑO Min	0.4	0.4	
PISO 3A	C5	71	ENVE DISEÑO Min	0.8	0.8	
PISO 3A	C5	71	ENVE DISEÑO Min	1.2	1.2	
PISO 3A	C7	96	ENVE DISEÑO Max	0	0	
PISO 3A	C7	96	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C7	96	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C7	96	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C7	96	ENVE DISEÑO Min	0	0	
PISO 3A	C7	96	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C7	96	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C7	96	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C8	97	ENVE DISEÑO Max	0	0	
PISO 3A	C8	97	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C8	97	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C8	97	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C8	97	ENVE DISEÑO Min	0	0	
PISO 3A	C8	97	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C8	97	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C8	97	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C9	98	ENVE DISEÑO Max	0	0	
PISO 3A	C9	98	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C9	98	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C9	98	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C9	98	ENVE DISEÑO Min	0	0	
PISO 3A	C9	98	ENVE DISEÑO Min	0.5667	0.5667	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3A	C9	98	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C9	98	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C10	120	ENVE DISEÑO Max	0	0	
PISO 3A	C10	120	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C10	120	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C10	120	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C10	120	ENVE DISEÑO Min	0	0	
PISO 3A	C10	120	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C10	120	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C10	120	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C11	129	ENVE DISEÑO Max	0	0	
PISO 3A	C11	129	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C11	129	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C11	129	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C11	129	ENVE DISEÑO Min	0	0	
PISO 3A	C11	129	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C11	129	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C11	129	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C12	148	ENVE DISEÑO Max	0	0	
PISO 3A	C12	148	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C12	148	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C12	148	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C12	148	ENVE DISEÑO Min	0	0	
PISO 3A	C12	148	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C12	148	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C12	148	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C13	155	ENVE DISEÑO Max	0	0	
PISO 3A	C13	155	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C13	155	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C13	155	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C13	155	ENVE DISEÑO Min	0	0	
PISO 3A	C13	155	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C13	155	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C13	155	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C14	171	ENVE DISEÑO Max	0	0	
PISO 3A	C14	171	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C14	171	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C14	171	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C14	171	ENVE DISEÑO Min	0	0	
PISO 3A	C14	171	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C14	171	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C14	171	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C15	172	ENVE DISEÑO Max	0	0	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3A	C15	172	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C15	172	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C15	172	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C15	172	ENVE DISEÑO Min	0	0	
PISO 3A	C15	172	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C15	172	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C15	172	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C16	173	ENVE DISEÑO Max	0	0	
PISO 3A	C16	173	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C16	173	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C16	173	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C16	173	ENVE DISEÑO Min	0	0	
PISO 3A	C16	173	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C16	173	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C16	173	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C1	428	ENVE DISEÑO Max	0	0	
PISO 3A	C1	428	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C1	428	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C1	428	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C1	428	ENVE DISEÑO Min	0	0	
PISO 3A	C1	428	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C1	428	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C1	428	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C3	429	ENVE DISEÑO Max	0	0	
PISO 3A	C3	429	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C3	429	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C3	429	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C3	429	ENVE DISEÑO Min	0	0	
PISO 3A	C3	429	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C3	429	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C3	429	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C6	430	ENVE DISEÑO Max	0	0	
PISO 3A	C6	430	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C6	430	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C6	430	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C6	430	ENVE DISEÑO Min	0	0	
PISO 3A	C6	430	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C6	430	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C6	430	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C20	431	ENVE DISEÑO Max	0	0	
PISO 3A	C20	431	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C20	431	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C20	431	ENVE DISEÑO Max	1.7	1.7	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3A	C20	431	ENVE DISEÑO Min	0	0	
PISO 3A	C20	431	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C20	431	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C20	431	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C21	432	ENVE DISEÑO Max	0	0	
PISO 3A	C21	432	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C21	432	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C21	432	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C21	432	ENVE DISEÑO Min	0	0	
PISO 3A	C21	432	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C21	432	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C21	432	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C22	438	ENVE DISEÑO Max	0	0	
PISO 3A	C22	438	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C22	438	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C22	438	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C22	438	ENVE DISEÑO Min	0	0	
PISO 3A	C22	438	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C22	438	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C22	438	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C23	439	ENVE DISEÑO Max	0	0	
PISO 3A	C23	439	ENVE DISEÑO Max	0.5667	0.5667	
PISO 3A	C23	439	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	C23	439	ENVE DISEÑO Max	1.7	1.7	
PISO 3A	C23	439	ENVE DISEÑO Min	0	0	
PISO 3A	C23	439	ENVE DISEÑO Min	0.5667	0.5667	
PISO 3A	C23	439	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	C23	439	ENVE DISEÑO Min	1.7	1.7	
PISO 3A	C17	472	ENVE DISEÑO Max	0	0	
PISO 3A	C17	472	ENVE DISEÑO Max	0.4	0.4	
PISO 3A	C17	472	ENVE DISEÑO Max	0.8	0.8	
PISO 3A	C17	472	ENVE DISEÑO Max	1.2	1.2	
PISO 3A	C17	472	ENVE DISEÑO Min	0	0	
PISO 3A	C17	472	ENVE DISEÑO Min	0.4	0.4	
PISO 3A	C17	472	ENVE DISEÑO Min	0.8	0.8	
PISO 3A	C17	472	ENVE DISEÑO Min	1.2	1.2	
PISO 3	C4	4	ENVE DISEÑO Max	0	0	
PISO 3	C4	4	ENVE DISEÑO Max	1.08	1.08	
PISO 3	C4	4	ENVE DISEÑO Max	2.16	2.16	
PISO 3	C4	4	ENVE DISEÑO Max	3.24	3.24	
PISO 3	C4	4	ENVE DISEÑO Min	0	0	
PISO 3	C4	4	ENVE DISEÑO Min	1.08	1.08	
PISO 3	C4	4	ENVE DISEÑO Min	2.16	2.16	



Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	C4	4	ENVE DISEÑO Min	3.24	3.24	
PISO 3	C5	5	ENVE DISEÑO Max	0	0	
PISO 3	C5	5	ENVE DISEÑO Max	1.08	1.08	
PISO 3	C5	5	ENVE DISEÑO Max	2.16	2.16	
PISO 3	C5	5	ENVE DISEÑO Max	3.24	3.24	
PISO 3	C5	5	ENVE DISEÑO Min	0	0	
PISO 3	C5	5	ENVE DISEÑO Min	1.08	1.08	
PISO 3	C5	5	ENVE DISEÑO Min	2.16	2.16	
PISO 3	C5	5	ENVE DISEÑO Min	3.24	3.24	
PISO 3	C7	7	ENVE DISEÑO Max	0	0	
PISO 3	C7	7	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C7	7	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C7	7	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C7	7	ENVE DISEÑO Min	0	0	
PISO 3	C7	7	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C7	7	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C7	7	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C8	8	ENVE DISEÑO Max	0	0	
PISO 3	C8	8	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C8	8	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C8	8	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C8	8	ENVE DISEÑO Min	0	0	
PISO 3	C8	8	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C8	8	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C8	8	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C9	9	ENVE DISEÑO Max	0	0	
PISO 3	C9	9	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C9	9	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C9	9	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C9	9	ENVE DISEÑO Min	0	0	
PISO 3	C9	9	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C9	9	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C9	9	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C10	6	ENVE DISEÑO Max	0	0	
PISO 3	C10	6	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C10	6	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C10	6	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C10	6	ENVE DISEÑO Min	0	0	
PISO 3	C10	6	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C10	6	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C10	6	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C11	11	ENVE DISEÑO Max	0	0	
PISO 3	C11	11	ENVE DISEÑO Max	0.9133	0.9133	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	C11	11	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C11	11	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C11	11	ENVE DISEÑO Min	0	0	
PISO 3	C11	11	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C11	11	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C11	11	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C12	12	ENVE DISEÑO Max	0	0	
PISO 3	C12	12	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C12	12	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C12	12	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C12	12	ENVE DISEÑO Min	0	0	
PISO 3	C12	12	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C12	12	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C12	12	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C13	13	ENVE DISEÑO Max	0	0	
PISO 3	C13	13	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C13	13	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C13	13	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C13	13	ENVE DISEÑO Min	0	0	
PISO 3	C13	13	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C13	13	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C13	13	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C14	14	ENVE DISEÑO Max	0	0	
PISO 3	C14	14	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C14	14	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C14	14	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C14	14	ENVE DISEÑO Min	0	0	
PISO 3	C14	14	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C14	14	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C14	14	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C15	15	ENVE DISEÑO Max	0	0	
PISO 3	C15	15	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C15	15	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C15	15	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C15	15	ENVE DISEÑO Min	0	0	
PISO 3	C15	15	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C15	15	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C15	15	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C16	16	ENVE DISEÑO Max	0	0	
PISO 3	C16	16	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C16	16	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C16	16	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C16	16	ENVE DISEÑO Min	0	0	



Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	C16	16	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C16	16	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C16	16	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C19	110	ENVE DISEÑO Max	0	0	
PISO 3	C19	110	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C19	110	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C19	110	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C19	110	ENVE DISEÑO Min	0	0	
PISO 3	C19	110	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C19	110	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C19	110	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C1	1	ENVE DISEÑO Max	0	0	
PISO 3	C1	1	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C1	1	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C1	1	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C1	1	ENVE DISEÑO Min	0	0	
PISO 3	C1	1	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C1	1	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C1	1	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C3	3	ENVE DISEÑO Max	0	0	
PISO 3	C3	3	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C3	3	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C3	3	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C3	3	ENVE DISEÑO Min	0	0	
PISO 3	C3	3	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C3	3	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C3	3	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C6	19	ENVE DISEÑO Max	0	0	
PISO 3	C6	19	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C6	19	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C6	19	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C6	19	ENVE DISEÑO Min	0	0	
PISO 3	C6	19	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C6	19	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C6	19	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C20	21	ENVE DISEÑO Max	0	0	
PISO 3	C20	21	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C20	21	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C20	21	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C20	21	ENVE DISEÑO Min	0	0	
PISO 3	C20	21	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C20	21	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C20	21	ENVE DISEÑO Min	2.74	2.74	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	C21	37	ENVE DISEÑO Max	0	0	
PISO 3	C21	37	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C21	37	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C21	37	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C21	37	ENVE DISEÑO Min	0	0	
PISO 3	C21	37	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C21	37	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C21	37	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C22	280	ENVE DISEÑO Max	0	0	
PISO 3	C22	280	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C22	280	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C22	280	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C22	280	ENVE DISEÑO Min	0	0	
PISO 3	C22	280	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C22	280	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C22	280	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C23	282	ENVE DISEÑO Max	0	0	
PISO 3	C23	282	ENVE DISEÑO Max	0.9133	0.9133	
PISO 3	C23	282	ENVE DISEÑO Max	1.8267	1.8267	
PISO 3	C23	282	ENVE DISEÑO Max	2.74	2.74	
PISO 3	C23	282	ENVE DISEÑO Min	0	0	
PISO 3	C23	282	ENVE DISEÑO Min	0.9133	0.9133	
PISO 3	C23	282	ENVE DISEÑO Min	1.8267	1.8267	
PISO 3	C23	282	ENVE DISEÑO Min	2.74	2.74	
PISO 3	C17	471	ENVE DISEÑO Max	0	0	
PISO 3	C17	471	ENVE DISEÑO Max	1.08	1.08	
PISO 3	C17	471	ENVE DISEÑO Max	2.16	2.16	
PISO 3	C17	471	ENVE DISEÑO Max	3.24	3.24	
PISO 3	C17	471	ENVE DISEÑO Min	0	0	
PISO 3	C17	471	ENVE DISEÑO Min	1.08	1.08	
PISO 3	C17	471	ENVE DISEÑO Min	2.16	2.16	
PISO 3	C17	471	ENVE DISEÑO Min	3.24	3.24	
PISO 2	C4	40	ENVE DISEÑO Max	0	0	
PISO 2	C4	40	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C4	40	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C4	40	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C4	40	ENVE DISEÑO Min	0	0	
PISO 2	C4	40	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C4	40	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C4	40	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C5	41	ENVE DISEÑO Max	0	0	
PISO 2	C5	41	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C5	41	ENVE DISEÑO Max	1.8267	1.8267	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	C5	41	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C5	41	ENVE DISEÑO Min	0	0	
PISO 2	C5	41	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C5	41	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C5	41	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C7	43	ENVE DISEÑO Max	0	0	
PISO 2	C7	43	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C7	43	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C7	43	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C7	43	ENVE DISEÑO Min	0	0	
PISO 2	C7	43	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C7	43	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C7	43	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C8	44	ENVE DISEÑO Max	0	0	
PISO 2	C8	44	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C8	44	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C8	44	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C8	44	ENVE DISEÑO Min	0	0	
PISO 2	C8	44	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C8	44	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C8	44	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C9	45	ENVE DISEÑO Max	0	0	
PISO 2	C9	45	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C9	45	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C9	45	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C9	45	ENVE DISEÑO Min	0	0	
PISO 2	C9	45	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C9	45	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C9	45	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C10	46	ENVE DISEÑO Max	0	0	
PISO 2	C10	46	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C10	46	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C10	46	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C10	46	ENVE DISEÑO Min	0	0	
PISO 2	C10	46	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C10	46	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C10	46	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C19	112	ENVE DISEÑO Max	0	0	
PISO 2	C19	112	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C19	112	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C19	112	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C19	112	ENVE DISEÑO Min	0	0	
PISO 2	C19	112	ENVE DISEÑO Min	0.9133	0.9133	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	C19	112	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C19	112	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C1	307	ENVE DISEÑO Max	0	0	
PISO 2	C1	307	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C1	307	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C1	307	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C1	307	ENVE DISEÑO Min	0	0	
PISO 2	C1	307	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C1	307	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C1	307	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C3	290	ENVE DISEÑO Max	0	0	
PISO 2	C3	290	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C3	290	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C3	290	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C3	290	ENVE DISEÑO Min	0	0	
PISO 2	C3	290	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C3	290	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C3	290	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C6	291	ENVE DISEÑO Max	0	0	
PISO 2	C6	291	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C6	291	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C6	291	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C6	291	ENVE DISEÑO Min	0	0	
PISO 2	C6	291	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C6	291	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C6	291	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C20	294	ENVE DISEÑO Max	0	0	
PISO 2	C20	294	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C20	294	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C20	294	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C20	294	ENVE DISEÑO Min	0	0	
PISO 2	C20	294	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C20	294	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C20	294	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C21	295	ENVE DISEÑO Max	0	0	
PISO 2	C21	295	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C21	295	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C21	295	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C21	295	ENVE DISEÑO Min	0	0	
PISO 2	C21	295	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C21	295	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C21	295	ENVE DISEÑO Min	2.74	2.74	
PISO 2	C17	470	ENVE DISEÑO Max	0	0	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	C17	470	ENVE DISEÑO Max	0.9133	0.9133	
PISO 2	C17	470	ENVE DISEÑO Max	1.8267	1.8267	
PISO 2	C17	470	ENVE DISEÑO Max	2.74	2.74	
PISO 2	C17	470	ENVE DISEÑO Min	0	0	
PISO 2	C17	470	ENVE DISEÑO Min	0.9133	0.9133	
PISO 2	C17	470	ENVE DISEÑO Min	1.8267	1.8267	
PISO 2	C17	470	ENVE DISEÑO Min	2.74	2.74	
PISO 1	C4	56	ENVE DISEÑO Max	0	0	
PISO 1	C4	56	ENVE DISEÑO Max	0.7667	0.7667	
PISO 1	C4	56	ENVE DISEÑO Max	1.5333	1.5333	
PISO 1	C4	56	ENVE DISEÑO Max	2.3	2.3	
PISO 1	C4	56	ENVE DISEÑO Min	0	0	
PISO 1	C4	56	ENVE DISEÑO Min	0.7667	0.7667	
PISO 1	C4	56	ENVE DISEÑO Min	1.5333	1.5333	
PISO 1	C4	56	ENVE DISEÑO Min	2.3	2.3	
PISO 1	C5	57	ENVE DISEÑO Max	0	0	
PISO 1	C5	57	ENVE DISEÑO Max	0.7667	0.7667	
PISO 1	C5	57	ENVE DISEÑO Max	1.5333	1.5333	
PISO 1	C5	57	ENVE DISEÑO Max	2.3	2.3	
PISO 1	C5	57	ENVE DISEÑO Min	0	0	
PISO 1	C5	57	ENVE DISEÑO Min	0.7667	0.7667	
PISO 1	C5	57	ENVE DISEÑO Min	1.5333	1.5333	
PISO 1	C5	57	ENVE DISEÑO Min	2.3	2.3	
PISO 1	C7	296	ENVE DISEÑO Max	0	0	
PISO 1	C7	296	ENVE DISEÑO Max	0.7667	0.7667	
PISO 1	C7	296	ENVE DISEÑO Max	1.5333	1.5333	
PISO 1	C7	296	ENVE DISEÑO Max	2.3	2.3	
PISO 1	C7	296	ENVE DISEÑO Min	0	0	
PISO 1	C7	296	ENVE DISEÑO Min	0.7667	0.7667	
PISO 1	C7	296	ENVE DISEÑO Min	1.5333	1.5333	
PISO 1	C7	296	ENVE DISEÑO Min	2.3	2.3	
PISO 1	C8	79	ENVE DISEÑO Max	0	0	
PISO 1	C8	79	ENVE DISEÑO Max	0.7667	0.7667	
PISO 1	C8	79	ENVE DISEÑO Max	1.5333	1.5333	
PISO 1	C8	79	ENVE DISEÑO Max	2.3	2.3	
PISO 1	C8	79	ENVE DISEÑO Min	0	0	
PISO 1	C8	79	ENVE DISEÑO Min	0.7667	0.7667	
PISO 1	C8	79	ENVE DISEÑO Min	1.5333	1.5333	
PISO 1	C8	79	ENVE DISEÑO Min	2.3	2.3	
PISO 1	C9	24	ENVE DISEÑO Max	0	0	
PISO 1	C9	24	ENVE DISEÑO Max	0.7667	0.7667	
PISO 1	C9	24	ENVE DISEÑO Max	1.5333	1.5333	
PISO 1	C9	24	ENVE DISEÑO Max	2.3	2.3	

Table 1.1 - Column Forces (Part 2 of 2, continued)

Story	Column	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	C9	24	ENVE DISEÑO Min	0	0	
PISO 1	C9	24	ENVE DISEÑO Min	0.7667	0.7667	
PISO 1	C9	24	ENVE DISEÑO Min	1.5333	1.5333	
PISO 1	C9	24	ENVE DISEÑO Min	2.3	2.3	
PISO 1	C19	113	ENVE DISEÑO Max	0	0	
PISO 1	C19	113	ENVE DISEÑO Max	0.7667	0.7667	
PISO 1	C19	113	ENVE DISEÑO Max	1.5333	1.5333	
PISO 1	C19	113	ENVE DISEÑO Max	2.3	2.3	
PISO 1	C19	113	ENVE DISEÑO Min	0	0	
PISO 1	C19	113	ENVE DISEÑO Min	0.7667	0.7667	
PISO 1	C19	113	ENVE DISEÑO Min	1.5333	1.5333	
PISO 1	C19	113	ENVE DISEÑO Min	2.3	2.3	
PISO 1	C17	469	ENVE DISEÑO Max	0	0	
PISO 1	C17	469	ENVE DISEÑO Max	0.7667	0.7667	
PISO 1	C17	469	ENVE DISEÑO Max	1.5333	1.5333	
PISO 1	C17	469	ENVE DISEÑO Max	2.3	2.3	
PISO 1	C17	469	ENVE DISEÑO Min	0	0	
PISO 1	C17	469	ENVE DISEÑO Min	0.7667	0.7667	
PISO 1	C17	469	ENVE DISEÑO Min	1.5333	1.5333	
PISO 1	C17	469	ENVE DISEÑO Min	2.3	2.3	

Table 1.2 - Beam Forces (Part 1 of 2)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B6	143	ENVE DISEÑO Max	0.2	1.5282	0.925	0.0212	0.112	0.1249	4.5153	143
CUB	B6	143	ENVE DISEÑO Max	2	1.5282	1.5088	0.0212	0.112	0.087	2.5098	143
CUB	B6	143	ENVE DISEÑO Max	3.8	1.5282	2.2676	0.0212	0.112	0.0494	1.4125	143
CUB	B6	143	ENVE DISEÑO Max	5.6	1.5282	3.0461	0.0212	0.112	0.0164	3.0797	143
CUB	B6	143	ENVE DISEÑO Min	0.2	-1.7622	-2.6256	-0.0245	-0.3162	-0.1377	-5.2383	143
CUB	B6	143	ENVE DISEÑO Min	2	-1.7622	-1.8471	-0.0245	-0.3162	-0.0938	-1.3978	143
CUB	B6	143	ENVE DISEÑO Min	3.8	-1.7622	-1.2435	-0.0245	-0.3162	-0.0502	-0.9178	143
CUB	B6	143	ENVE DISEÑO Min	5.6	-1.7622	-0.6596	-0.0245	-0.3162	-0.0113	-5.6545	143
CUB	B7	144	ENVE DISEÑO Max	0.2	5.7009	0.4326	0.009	0.2179	0.0477	2.71	144
CUB	B7	144	ENVE DISEÑO Max	2	5.7009	1.0164	0.009	0.2179	0.0508	1.5306	144
CUB	B7	144	ENVE DISEÑO Max	3.8	5.7009	1.744	0.009	0.2179	0.0599	1.3435	144
CUB	B7	144	ENVE DISEÑO Max	5.6	5.7009	2.5225	0.009	0.2179	0.0726	2.3145	144
CUB	B7	144	ENVE DISEÑO Min	0.2	-7.0329	-2.2674	-0.0111	-0.2382	-0.0496	-4.0198	144
CUB	B7	144	ENVE DISEÑO Min	2	-7.0329	-1.4889	-0.0111	-0.2382	-0.0489	-0.7638	144
CUB	B7	144	ENVE DISEÑO Min	3.8	-7.0329	-0.8542	-0.0111	-0.2382	-0.0541	-0.9523	144
CUB	B7	144	ENVE DISEÑO Min	5.6	-7.0329	-0.2703	-0.0111	-0.2382	-0.0631	-4.7512	144
CUB	B8	145	ENVE DISEÑO Max	0.2	5.7696	0.4779	0.0114	0.3064	0.0266	2.8416	145
CUB	B8	145	ENVE DISEÑO Max	2	5.7696	1.0618	0.0114	0.3064	0.0327	1.5765	145
CUB	B8	145	ENVE DISEÑO Max	3.8	5.7696	1.7807	0.0114	0.3064	0.0451	1.4515	145
CUB	B8	145	ENVE DISEÑO Max	5.6	5.7696	2.5592	0.0114	0.3064	0.0605	2.5796	145
CUB	B8	145	ENVE DISEÑO Min	0.2	-7.1361	-2.3698	-0.0096	-0.2626	-0.0231	-4.2778	145

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B8	145	ENVE DISEÑO Min	2	-7.1361	-1.5913	-0.0096	-0.2626	-0.0325	-0.8334	145
CUB	B8	145	ENVE DISEÑO Min	3.8	-7.1361	-0.9479	-0.0096	-0.2626	-0.0482	-0.9814	145
CUB	B8	145	ENVE DISEÑO Min	5.6	-7.1361	-0.364	-0.0096	-0.2626	-0.0668	-4.8347	145
CUB	B9	146	ENVE DISEÑO Max	0.2	4.5579	0.466	0.0104	0.2397	0.0571	2.8609	146
CUB	B9	146	ENVE DISEÑO Max	2	4.5579	1.0499	0.0104	0.2397	0.0767	1.6142	146
CUB	B9	146	ENVE DISEÑO Max	3.8	4.5579	1.7636	0.0104	0.2397	0.097	1.4204	146
CUB	B9	146	ENVE DISEÑO Max	5.6	4.5579	2.5421	0.0104	0.2397	0.1176	2.5636	146
CUB	B9	146	ENVE DISEÑO Min	0.2	-5.7201	-2.3871	-0.0118	-0.2534	-0.0504	-4.3707	146
CUB	B9	146	ENVE DISEÑO Min	2	-5.7201	-1.6086	-0.0118	-0.2534	-0.0675	-0.8923	146
CUB	B9	146	ENVE DISEÑO Min	3.8	-5.7201	-0.9599	-0.0118	-0.2534	-0.0852	-0.9189	146
CUB	B9	146	ENVE DISEÑO Min	5.6	-5.7201	-0.3761	-0.0118	-0.2534	-0.1032	-4.7349	146
CUB	B14	151	ENVE DISEÑO Max	0.2	11.6104	-0.2352	0.0091	0.2133	0.0526	0.8118	151
CUB	B14	151	ENVE DISEÑO Max	2	11.6104	0.3487	0.0091	0.2133	0.0615	0.9098	151
CUB	B14	151	ENVE DISEÑO Max	3.8	11.6104	1.0928	0.0091	0.2133	0.0766	1.0806	151
CUB	B14	151	ENVE DISEÑO Max	5.6	11.6104	1.8713	0.0091	0.2133	0.0946	0.6767	151
CUB	B14	151	ENVE DISEÑO Min	0.2	-13.0317	-1.5107	-0.0131	-0.0779	-0.061	-1.5582	151
CUB	B14	151	ENVE DISEÑO Min	2	-13.0317	-0.7322	-0.0131	-0.0779	-0.0626	0.2601	151
CUB	B14	151	ENVE DISEÑO Min	3.8	-13.0317	-0.1138	-0.0131	-0.0779	-0.0704	-0.4465	151
CUB	B14	151	ENVE DISEÑO Min	5.6	-13.0317	0.47	-0.0131	-0.0779	-0.0811	-3.0308	151
CUB	B15	152	ENVE DISEÑO Max	0.2	5.3935	-0.1725	0.0061	0.1726	0.0487	1.1516	152
CUB	B15	152	ENVE DISEÑO Max	2	5.3935	0.4113	0.0061	0.1726	0.04	1.0354	152
CUB	B15	152	ENVE DISEÑO Max	3.8	5.3935	1.1168	0.0061	0.1726	0.0317	0.7559	152
CUB	B15	152	ENVE DISEÑO Max	5.6	5.3935	1.8953	0.0061	0.1726	0.0243	0.6916	152
CUB	B15	152	ENVE DISEÑO Min	0.2	-5.5463	-1.7222	-0.0061	-0.1928	-0.0475	-2.6434	152
CUB	B15	152	ENVE DISEÑO Min	2	-5.5463	-0.9437	-0.0061	-0.1928	-0.0388	-0.3428	152
CUB	B15	152	ENVE DISEÑO Min	3.8	-5.5463	-0.2868	-0.0061	-0.1928	-0.0305	-0.3311	152
CUB	B15	152	ENVE DISEÑO Min	5.6	-5.5463	0.297	-0.0061	-0.1928	-0.0231	-2.9869	152
CUB	B16	153	ENVE DISEÑO Max	0.2	3.5769	-0.2492	0.008	0.2411	0.0532	0.8865	153
CUB	B16	153	ENVE DISEÑO Max	2	3.5769	0.3347	0.008	0.2411	0.0586	0.9073	153
CUB	B16	153	ENVE DISEÑO Max	3.8	3.5769	1.0213	0.008	0.2411	0.067	0.9428	153
CUB	B16	153	ENVE DISEÑO Max	5.6	3.5769	1.7998	0.008	0.2411	0.0776	0.8905	153
CUB	B16	153	ENVE DISEÑO Min	0.2	-3.4323	-1.766	-0.0091	-0.3018	-0.0499	-2.6122	153
CUB	B16	153	ENVE DISEÑO Min	2	-3.4323	-0.9875	-0.0091	-0.3018	-0.0534	-0.2319	153
CUB	B16	153	ENVE DISEÑO Min	3.8	-3.4323	-0.3117	-0.0091	-0.3018	-0.0598	-0.3185	153
CUB	B16	153	ENVE DISEÑO Min	5.6	-3.4323	0.2721	-0.0091	-0.3018	-0.0684	-2.7696	153
CUB	B17	154	ENVE DISEÑO Max	0.2	4.3019	-0.0828	0.0162	0.1918	0.0307	1.212	154
CUB	B17	154	ENVE DISEÑO Max	2	4.3019	0.5011	0.0162	0.1918	0.0516	0.9179	154
CUB	B17	154	ENVE DISEÑO Max	3.8	4.3019	1.2265	0.0162	0.1918	0.0747	0.6047	154
CUB	B17	154	ENVE DISEÑO Max	5.6	4.3019	2.005	0.0162	0.1918	0.0985	0.4962	154
CUB	B17	154	ENVE DISEÑO Min	0.2	-3.6513	-1.6487	-0.0136	-0.191	-0.0301	-2.5283	154
CUB	B17	154	ENVE DISEÑO Min	2	-3.6513	-0.8702	-0.0136	-0.191	-0.0558	-0.3438	154
CUB	B17	154	ENVE DISEÑO Min	3.8	-3.6513	-0.2332	-0.0136	-0.191	-0.0835	-0.5923	154
CUB	B17	154	ENVE DISEÑO Min	5.6	-3.6513	0.3506	-0.0136	-0.191	-0.1121	-3.4979	154
CUB	B20	157	ENVE DISEÑO Max	0.25	5.5611	-3.4719	0.0408	0.295	0.0254	2.8002	157
CUB	B20	157	ENVE DISEÑO Max	2.0833	5.5611	0.7766	0.0408	0.295	0.0533	6.109	157

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B20	157	ENVE DISEÑO Max	3.9167	5.5611	5.8485	0.0408	0.295	0.119	4.4194	157
CUB	B20	157	ENVE DISEÑO Max	5.75	5.5611	11.5132	0.0408	0.295	0.1853	-0.3055	157
CUB	B20	157	ENVE DISEÑO Min	0.25	-7.9432	-10.3948	-0.0363	-0.2814	-0.0184	-12.925	157
CUB	B20	157	ENVE DISEÑO Min	2.0833	-7.9432	-4.7302	-0.0363	-0.2814	-0.0546	0.1015	157
CUB	B20	157	ENVE DISEÑO Min	3.9167	-7.9432	0.1111	-0.0363	-0.2814	-0.1285	-0.0478	157
CUB	B20	157	ENVE DISEÑO Min	5.75	-7.9432	4.3596	-0.0363	-0.2814	-0.203	-15.336	157
CUB	B21	158	ENVE DISEÑO Max	0.25	4.842	-7.2964	0.0225	0.2358	0.1683	3.7919	158
CUB	B21	158	ENVE DISEÑO Max	2.0833	4.842	0.8041	0.0225	0.2358	0.1292	11.5018	158
CUB	B21	158	ENVE DISEÑO Max	3.9167	4.842	10.4683	0.0225	0.2358	0.0924	8.6161	158
CUB	B21	158	ENVE DISEÑO Max	5.75	4.842	21.2691	0.0225	0.2358	0.0613	-1.2557	158
CUB	B21	158	ENVE DISEÑO Min	0.25	-5.5639	-19.4494	-0.0171	-0.2742	-0.1514	-23.0964	158
CUB	B21	158	ENVE DISEÑO Min	2.0833	-5.5639	-8.6486	-0.0171	-0.2742	-0.1223	0.9015	158
CUB	B21	158	ENVE DISEÑO Min	3.9167	-5.5639	0.5885	-0.0171	-0.2742	-0.0954	0.8425	158
CUB	B21	158	ENVE DISEÑO Min	5.75	-5.5639	8.6891	-0.0171	-0.2742	-0.0742	-26.8828	158
CUB	B22	159	ENVE DISEÑO Max	0	0.5996	0.89	2.4247	1.1025	0.1767	0.0497	159
CUB	B22	159	ENVE DISEÑO Max	0.15	0.5996	1.3535	2.4247	1.1025	0.5886	0.0171	159
CUB	B22	159	ENVE DISEÑO Max	0.3	0.5996	1.817	2.4247	1.1025	0.9613	-0.0612	159
CUB	B22	159	ENVE DISEÑO Max	0.45	0.5996	2.2804	2.4247	1.1025	1.3542	-0.1915	159
CUB	B22	159	ENVE DISEÑO Min	0	-0.6264	-0.0005	-2.6195	-1.3858	-0.1591	-0.0182	159
CUB	B22	159	ENVE DISEÑO Min	0.15	-0.6264	0.3471	-2.6195	-1.3858	-0.5218	-0.1799	159
CUB	B22	159	ENVE DISEÑO Min	0.3	-0.6264	0.6947	-2.6195	-1.3858	-0.8853	-0.4175	159
CUB	B22	159	ENVE DISEÑO Min	0.45	-0.6264	1.0423	-2.6195	-1.3858	-1.249	-0.7247	159
CUB	B24	160	ENVE DISEÑO Max	0	0.8632	1.5756	2.6431	2.0739	0.2304	-0.002	160
CUB	B24	160	ENVE DISEÑO Max	0.15	0.8632	2.6065	2.6431	2.0739	0.6045	-0.1977	160
CUB	B24	160	ENVE DISEÑO Max	0.3	0.8632	3.6375	2.6431	2.0739	0.9822	-0.4832	160
CUB	B24	160	ENVE DISEÑO Max	0.45	0.8632	4.6685	2.6431	2.0739	1.3602	-0.8671	160
CUB	B24	160	ENVE DISEÑO Min	0	-0.6805	0.8996	-2.5216	-1.5856	-0.2209	-0.026	160
CUB	B24	160	ENVE DISEÑO Min	0.15	-0.6805	1.5624	-2.5216	-1.5856	-0.6132	-0.3319	160
CUB	B24	160	ENVE DISEÑO Min	0.3	-0.6805	2.2251	-2.5216	-1.5856	-1.0091	-0.8003	160
CUB	B24	160	ENVE DISEÑO Min	0.45	-0.6805	2.8879	-2.5216	-1.5856	-1.4054	-1.4232	160
CUB	B26	162	ENVE DISEÑO Max	0	1.8825	1.4742	1.7313	1.8449	0.2647	0.0054	162
CUB	B26	162	ENVE DISEÑO Max	0.15	1.8825	2.5052	1.7313	1.8449	0.5445	-0.1796	162
CUB	B26	162	ENVE DISEÑO Max	0.3	1.8825	3.5362	1.7313	1.8449	0.8256	-0.4637	162
CUB	B26	162	ENVE DISEÑO Max	0.45	1.8825	4.5671	1.7313	1.8449	1.1071	-0.8473	162
CUB	B26	162	ENVE DISEÑO Min	0	-1.4903	0.8992	-1.8783	-1.6548	-0.2416	-0.0155	162
CUB	B26	162	ENVE DISEÑO Min	0.15	-1.4903	1.5619	-1.8783	-1.6548	-0.4994	-0.3053	162
CUB	B26	162	ENVE DISEÑO Min	0.3	-1.4903	2.2247	-1.8783	-1.6548	-0.7584	-0.7584	162
CUB	B26	162	ENVE DISEÑO Min	0.45	-1.4903	2.8875	-1.8783	-1.6548	-1.0178	-1.3661	162
CUB	B27	163	ENVE DISEÑO Max	0.25	1.1402	-5.5888	0.0118	0.2721	0.097	8.6324	163
CUB	B27	163	ENVE DISEÑO Max	2.0833	1.1402	2.5118	0.0118	0.2721	0.0925	13.2767	163
CUB	B27	163	ENVE DISEÑO Max	3.9167	1.1402	12.2407	0.0118	0.2721	0.0931	9.8178	163
CUB	B27	163	ENVE DISEÑO Max	5.75	1.1402	23.0414	0.0118	0.2721	0.099	2.8042	163
CUB	B27	163	ENVE DISEÑO Min	0.25	-2.261	-20.9147	-0.0116	-0.2971	-0.1004	-27.2698	163
CUB	B27	163	ENVE DISEÑO Min	2.0833	-2.261	-10.1139	-0.0116	-0.2971	-0.0964	-0.6506	163
CUB	B27	163	ENVE DISEÑO Min	3.9167	-2.261	-0.9415	-0.0116	-0.2971	-0.0976	-0.5807	163

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B27	163	ENVE DISEÑO Min	5.75	-2.261	7.1591	-0.0116	-0.2971	-0.104	-31.6086	163
CUB	B29	165	ENVE DISEÑO Max	0	1.1882	1.4524	2.5419	1.8934	0.2575	0.0124	165
CUB	B29	165	ENVE DISEÑO Max	0.1417	1.1882	2.4261	2.5419	1.8934	0.5769	-0.1607	165
CUB	B29	165	ENVE DISEÑO Max	0.2833	1.1882	3.3998	2.5419	1.8934	0.8977	-0.4212	165
CUB	B29	165	ENVE DISEÑO Max	0.425	1.1882	4.3735	2.5419	1.8934	1.2187	-0.7704	165
CUB	B29	165	ENVE DISEÑO Min	0	-0.8962	0.8997	-2.2682	-1.7391	-0.2916	-0.0037	165
CUB	B29	165	ENVE DISEÑO Min	0.1417	-0.8962	1.5257	-2.2682	-1.7391	-0.6498	-0.2689	165
CUB	B29	165	ENVE DISEÑO Min	0.2833	-0.8962	2.1517	-2.2682	-1.7391	-1.0093	-0.6815	165
CUB	B29	165	ENVE DISEÑO Min	0.425	-0.8962	2.7776	-2.2682	-1.7391	-1.3692	-1.2321	165
CUB	B30	166	ENVE DISEÑO Max	0.275	0.8662	-2.9342	0.0123	0.2686	0.1181	15.505	166
CUB	B30	166	ENVE DISEÑO Max	2.0917	0.8662	5.0927	0.0123	0.2686	0.1333	15.3452	166
CUB	B30	166	ENVE DISEÑO Max	3.9083	0.8662	14.7932	0.0123	0.2686	0.1519	11.5911	166
CUB	B30	166	ENVE DISEÑO Max	5.725	0.8662	25.4958	0.0123	0.2686	0.1726	9.3459	166
CUB	B30	166	ENVE DISEÑO Min	0.275	-2.7144	-23.1649	-0.0142	-0.322	-0.1094	-33.6926	166
CUB	B30	166	ENVE DISEÑO Min	2.0917	-2.7144	-12.4623	-0.0142	-0.322	-0.1213	-3.132	166
CUB	B30	166	ENVE DISEÑO Min	3.9083	-2.7144	-3.4334	-0.0142	-0.322	-0.1366	-3.0024	166
CUB	B30	166	ENVE DISEÑO Min	5.725	-2.7144	4.5936	-0.0142	-0.322	-0.1539	-38.4069	166
CUB	B32	168	ENVE DISEÑO Max	0	1.5291	1.5249	2.9	1.9315	0.2953	-0.0078	168
CUB	B32	168	ENVE DISEÑO Max	0.1417	1.5291	2.4986	2.9	1.9315	0.7632	-0.1751	168
CUB	B32	168	ENVE DISEÑO Max	0.2833	1.5291	3.4723	2.9	1.9315	1.232	-0.4306	168
CUB	B32	168	ENVE DISEÑO Max	0.425	1.5291	4.446	2.9	1.9315	1.7009	-0.7747	168
CUB	B32	168	ENVE DISEÑO Min	0	-1.2319	0.8639	-3.3107	-1.8543	-0.2651	-0.0163	168
CUB	B32	168	ENVE DISEÑO Min	0.1417	-1.2319	1.4899	-3.3107	-1.8543	-0.6749	-0.3005	168
CUB	B32	168	ENVE DISEÑO Min	0.2833	-1.2319	2.1158	-3.3107	-1.8543	-1.0855	-0.7234	168
CUB	B32	168	ENVE DISEÑO Min	0.425	-1.2319	2.7418	-3.3107	-1.8543	-1.4962	-1.2843	168
CUB	B33	169	ENVE DISEÑO Max	0.275	3.3378	-1.0793	0.0105	0.3718	0.1726	20.7744	169
CUB	B33	169	ENVE DISEÑO Max	2.0917	3.3378	6.9477	0.0105	0.3718	0.1895	17.29	169
CUB	B33	169	ENVE DISEÑO Max	3.9083	3.3378	16.6847	0.0105	0.3718	0.2066	13.0552	169
CUB	B33	169	ENVE DISEÑO Max	5.725	3.3378	27.3873	0.0105	0.3718	0.2239	14.144	169
CUB	B33	169	ENVE DISEÑO Min	0.275	-4.2526	-24.9521	-0.01	-0.216	-0.1975	-38.7226	169
CUB	B33	169	ENVE DISEÑO Min	2.0917	-4.2526	-14.2495	-0.01	-0.216	-0.2154	-4.9606	169
CUB	B33	169	ENVE DISEÑO Min	3.9083	-4.2526	-5.257	-0.01	-0.216	-0.2336	-4.4735	169
CUB	B33	169	ENVE DISEÑO Min	5.725	-4.2526	2.7699	-0.01	-0.216	-0.2519	-43.3352	169
CUB	B49	185	ENVE DISEÑO Max	0.25	8.7342	-3.3058	0.0887	0.5153	0.1694	2.6629	185
CUB	B49	185	ENVE DISEÑO Max	1.1667	8.7342	-0.2838	0.0887	0.5153	0.0896	4.4942	185
CUB	B49	185	ENVE DISEÑO Max	2.0833	8.7342	2.7381	0.0887	0.5153	0.0202	3.9822	185
CUB	B49	185	ENVE DISEÑO Max	3	8.7342	6.7635	0.0887	0.5153	0.0639	2.4051	185
CUB	B49	185	ENVE DISEÑO Min	0.25	-10.3616	-11.0215	-0.0896	-0.2074	-0.1934	-11.3566	185
CUB	B49	185	ENVE DISEÑO Min	1.1667	-10.3616	-6.9923	-0.0896	-0.2074	-0.1128	-3.2863	185
CUB	B49	185	ENVE DISEÑO Min	2.0833	-10.3616	-2.963	-0.0896	-0.2074	-0.0426	0.6636	185
CUB	B49	185	ENVE DISEÑO Min	3	-10.3616	0.0629	-0.0896	-0.2074	-0.0854	-0.7849	185
CUB	B57	194	ENVE DISEÑO Max	0	1.2442	0.0005	0.0018	0.0182	0.0077	1.1025	194
CUB	B57	194	ENVE DISEÑO Max	1.9333	1.2442	0.3141	0.0018	0.0182	0.0042	0.9092	194
CUB	B57	194	ENVE DISEÑO Max	3.8667	1.2442	0.7173	0.0018	0.0182	0.0011	0.4398	194
CUB	B57	194	ENVE DISEÑO Max	5.8	1.2442	1.1354	0.0018	0.0182	0.0028	0.3752	194

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B57	194	ENVE DISEÑO Min	0	-1.3284	-0.89	-0.0016	-0.0497	-0.0068	-1.3858	194
CUB	B57	194	ENVE DISEÑO Min	1.9333	-1.3284	-0.4719	-0.0016	-0.0497	-0.0038	-0.1801	194
CUB	B57	194	ENVE DISEÑO Min	3.8667	-1.3284	-0.1435	-0.0016	-0.0497	-0.0011	-0.1127	194
CUB	B57	194	ENVE DISEÑO Min	5.8	-1.3284	0.1701	-0.0016	-0.0497	-0.0032	-1.8647	194
CUB	B58	195	ENVE DISEÑO Max	0	3.9334	-0.1839	0.001	0.0353	0.0041	0.3442	195
CUB	B58	195	ENVE DISEÑO Max	1.9333	3.9334	0.1296	0.001	0.0353	0.0027	0.4486	195
CUB	B58	195	ENVE DISEÑO Max	3.8667	3.9334	0.5037	0.001	0.0353	0.0019	0.4378	195
CUB	B58	195	ENVE DISEÑO Max	5.8	3.9334	0.9218	0.001	0.0353	0.0032	0.2986	195
CUB	B58	195	ENVE DISEÑO Min	0	-4.6979	-0.879	-0.0011	-0.0388	-0.0041	-1.3454	195
CUB	B58	195	ENVE DISEÑO Min	1.9333	-4.6979	-0.4609	-0.0011	-0.0388	-0.0026	-0.1021	195
CUB	B58	195	ENVE DISEÑO Min	3.8667	-4.6979	-0.1034	-0.0011	-0.0388	-0.0017	-0.158	195
CUB	B58	195	ENVE DISEÑO Min	5.8	-4.6979	0.2102	-0.0011	-0.0388	-0.0029	-1.5002	195
CUB	B59	196	ENVE DISEÑO Max	0	2.3454	-0.1464	0.0006	0.0492	0.003	0.478	196
CUB	B59	196	ENVE DISEÑO Max	1.9333	2.3454	0.1672	0.0006	0.0492	0.0019	0.5141	196
CUB	B59	196	ENVE DISEÑO Max	3.8667	2.3454	0.5399	0.0006	0.0492	0.0011	0.4979	196
CUB	B59	196	ENVE DISEÑO Max	5.8	2.3454	0.958	0.0006	0.0492	0.0012	0.4515	196
CUB	B59	196	ENVE DISEÑO Min	0	-3.0835	-0.932	-0.0005	-0.0426	-0.0024	-1.4895	196
CUB	B59	196	ENVE DISEÑO Min	1.9333	-3.0835	-0.5139	-0.0005	-0.0426	-0.0015	-0.148	196
CUB	B59	196	ENVE DISEÑO Min	3.8667	-3.0835	-0.155	-0.0005	-0.0426	-0.0007	-0.1687	196
CUB	B59	196	ENVE DISEÑO Min	5.8	-3.0835	0.1586	-0.0005	-0.0426	-0.0009	-1.5737	196
CUB	B60	197	ENVE DISEÑO Max	0	4.312	-0.1645	0.0004	0.039	0.003	0.4484	197
CUB	B60	197	ENVE DISEÑO Max	1.9333	4.312	0.1491	0.0004	0.039	0.0032	0.5214	197
CUB	B60	197	ENVE DISEÑO Max	3.8667	4.312	0.5231	0.0004	0.039	0.0036	0.4413	197
CUB	B60	197	ENVE DISEÑO Max	5.8	4.312	0.9412	0.0004	0.039	0.0042	0.3334	197
CUB	B60	197	ENVE DISEÑO Min	0	-5.1839	-0.8985	-0.0005	-0.041	-0.0027	-1.4164	197
CUB	B60	197	ENVE DISEÑO Min	1.9333	-5.1839	-0.4804	-0.0005	-0.041	-0.0028	-0.1415	197
CUB	B60	197	ENVE DISEÑO Min	3.8667	-5.1839	-0.1228	-0.0005	-0.041	-0.0032	-0.128	197
CUB	B60	197	ENVE DISEÑO Min	5.8	-5.1839	0.1907	-0.0005	-0.041	-0.0037	-1.5012	197
CUB	B70	206	ENVE DISEÑO Max	0	8.6151	-0.0394	0.0071	0.0765	0.0129	0.2029	206-1
CUB	B70	206	ENVE DISEÑO Max	1.8	8.6151	0.2873	0.0071	0.0765	0.0165	0.1049	206-1
CUB	B70	206	ENVE DISEÑO Max	2.45	8.6151	0.4279	0.0071	0.0765	0.0198	0.0385	206-1
CUB	B70	206	ENVE DISEÑO Max	2.45	10.0891	-0.2253	0.0067	0.0606	0.0199	-0.0878	206-2
CUB	B70	206	ENVE DISEÑO Max	3.6	10.0891	-0.0387	0.0067	0.0606	0.0285	0.1219	206-2
CUB	B70	206	ENVE DISEÑO Max	5.4	10.0891	0.3445	0.0067	0.0606	0.043	0.0262	206-2
CUB	B70	206	ENVE DISEÑO Min	0	-6.592	-0.3695	-0.009	-0.0789	-0.0146	-0.3514	206-1
CUB	B70	206	ENVE DISEÑO Min	1.8	-6.592	-0.015	-0.009	-0.0789	-0.0147	-0.1304	206-1
CUB	B70	206	ENVE DISEÑO Min	2.45	-6.592	0.0904	-0.009	-0.0789	-0.0167	-0.3211	206-1
CUB	B70	206	ENVE DISEÑO Min	2.45	-8.8845	-0.3998	-0.0086	-0.139	-0.0168	-0.3099	206-2
CUB	B70	206	ENVE DISEÑO Min	3.6	-8.8845	-0.1208	-0.0086	-0.139	-0.0231	-0.0858	206-2
CUB	B70	206	ENVE DISEÑO Min	5.4	-8.8845	0.1897	-0.0086	-0.139	-0.0341	-0.316	206-2
CUB	B71	207	ENVE DISEÑO Max	0	14.7168	0.5472	0.0067	0.1641	0.0177	1.6249	207
CUB	B71	207	ENVE DISEÑO Max	0.95	14.7168	0.7013	0.0067	0.1641	0.0154	1.032	207
CUB	B71	207	ENVE DISEÑO Max	1.9	14.7168	0.8554	0.0067	0.1641	0.0168	0.3519	207
CUB	B71	207	ENVE DISEÑO Max	2.85	14.7168	1.0095	0.0067	0.1641	0.0241	2.2529	207
CUB	B71	207	ENVE DISEÑO Min	0	-13.9122	-2.8576	-0.0116	-0.0209	-0.0268	-5.0135	207

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B71	207	ENVE DISEÑO Min	0.95	-13.9122	-2.6522	-0.0116	-0.0209	-0.0199	-2.3966	207
CUB	B71	207	ENVE DISEÑO Min	1.9	-13.9122	-2.4467	-0.0116	-0.0209	-0.0168	-0.0339	207
CUB	B71	207	ENVE DISEÑO Min	2.85	-13.9122	-2.2413	-0.0116	-0.0209	-0.0195	-0.5939	207
CUB	B77	212	ENVE DISEÑO Max	0	0.3349	1.0077	3.5314	1.777	0.3921	0.0528	212
CUB	B77	212	ENVE DISEÑO Max	0.1333	0.3349	1.4389	3.5314	1.777	0.8011	0.0227	212
CUB	B77	212	ENVE DISEÑO Max	0.2667	0.3349	1.8701	3.5314	1.777	1.2108	-0.0469	212
CUB	B77	212	ENVE DISEÑO Max	0.4	0.3349	2.3013	3.5314	1.777	1.6207	-0.1595	212
CUB	B77	212	ENVE DISEÑO Min	0	-0.3312	0.0351	-3.0756	-1.0032	-0.4573	-0.032	212
CUB	B77	212	ENVE DISEÑO Min	0.1333	-0.3312	0.3585	-3.0756	-1.0032	-0.9271	-0.1913	212
CUB	B77	212	ENVE DISEÑO Min	0.2667	-0.3312	0.6819	-3.0756	-1.0032	-1.3976	-0.4116	212
CUB	B77	212	ENVE DISEÑO Min	0.4	-0.3312	1.0053	-3.0756	-1.0032	-1.8683	-0.6896	212
CUB	B78	213	ENVE DISEÑO Max	0.3	0.2688	7.9469	0.0548	0.315	0.0985	33.8684	213
CUB	B78	213	ENVE DISEÑO Max	2.1	0.2688	12.3128	0.0548	0.315	0.2085	16.841	213
CUB	B78	213	ENVE DISEÑO Max	3.9	0.2688	17.8022	0.0548	0.315	0.3232	14.791	213
CUB	B78	213	ENVE DISEÑO Max	5.7	0.2688	23.6234	0.0548	0.315	0.4389	30.0838	213
CUB	B78	213	ENVE DISEÑO Min	0.3	-2.4222	-21.4721	-0.0648	-0.4218	-0.0914	-41.5523	213
CUB	B78	213	ENVE DISEÑO Min	2.1	-2.4222	-15.6509	-0.0648	-0.4218	-0.1833	-9.3479	213
CUB	B78	213	ENVE DISEÑO Min	3.9	-2.4222	-10.9533	-0.0648	-0.4218	-0.2799	-10.4576	213
CUB	B78	213	ENVE DISEÑO Min	5.7	-2.4222	-6.5874	-0.0648	-0.4218	-0.3776	-47.2469	213
CUB	B81	161	ENVE DISEÑO Max	0.25	5.1284	-5.9009	0.0878	0.2065	0.3043	1.9491	161
CUB	B81	161	ENVE DISEÑO Max	1.1667	5.1284	-1.8506	0.0878	0.2065	0.2307	5.5173	161
CUB	B81	161	ENVE DISEÑO Max	2.0833	5.1284	2.1997	0.0878	0.2065	0.1639	6.1334	161
CUB	B81	161	ENVE DISEÑO Max	3	5.1284	7.3032	0.0878	0.2065	0.1173	2.2033	161
CUB	B81	161	ENVE DISEÑO Min	0.25	-4.5646	-14.7577	-0.092	-0.3186	-0.3107	-16.9526	161
CUB	B81	161	ENVE DISEÑO Min	1.1667	-4.5646	-9.3573	-0.092	-0.3186	-0.2333	-5.9153	161
CUB	B81	161	ENVE DISEÑO Min	2.0833	-4.5646	-3.957	-0.092	-0.3186	-0.1627	-0.589	161
CUB	B81	161	ENVE DISEÑO Min	3	-4.5646	0.3902	-0.092	-0.3186	-0.1122	0.6204	161
CUB	B82	164	ENVE DISEÑO Max	0.25	1.3734	-5.4974	0.0744	0.2628	0.2803	3.9321	164
CUB	B82	164	ENVE DISEÑO Max	1.1667	1.3734	-1.4471	0.0744	0.2628	0.2128	7.1565	164
CUB	B82	164	ENVE DISEÑO Max	2.0833	1.3734	2.6032	0.0744	0.2628	0.1459	7.4852	164
CUB	B82	164	ENVE DISEÑO Max	3	1.3734	7.7601	0.0744	0.2628	0.0812	3.3115	164
CUB	B82	164	ENVE DISEÑO Min	0.25	-1.3755	-14.9304	-0.067	-0.2297	-0.2628	-18.7501	164
CUB	B82	164	ENVE DISEÑO Min	1.1667	-1.3755	-9.5301	-0.067	-0.2297	-0.202	-7.5806	164
CUB	B82	164	ENVE DISEÑO Min	2.0833	-1.3755	-4.1297	-0.067	-0.2297	-0.1418	-2.1784	164
CUB	B82	164	ENVE DISEÑO Min	3	-1.3755	0.1641	-0.067	-0.2297	-0.0839	-0.9371	164
CUB	B83	167	ENVE DISEÑO Max	0.275	0.9726	-4.4743	0.1027	0.1693	0.3771	7.9419	167
CUB	B83	167	ENVE DISEÑO Max	1.1833	0.9726	-0.4608	0.1027	0.1693	0.2845	10.2718	167
CUB	B83	167	ENVE DISEÑO Max	2.0917	0.9726	3.5526	0.1027	0.1693	0.1925	9.9146	167
CUB	B83	167	ENVE DISEÑO Max	3	0.9726	8.7412	0.1027	0.1693	0.1026	5.1545	167
CUB	B83	167	ENVE DISEÑO Min	0.275	-1.3087	-15.3394	-0.1149	-0.4595	-0.417	-21.4108	167
CUB	B83	167	ENVE DISEÑO Min	1.1833	-1.3087	-9.9881	-0.1149	-0.4595	-0.3133	-9.9964	167
CUB	B83	167	ENVE DISEÑO Min	2.0917	-1.3087	-4.6368	-0.1149	-0.4595	-0.2102	-4.4013	167
CUB	B83	167	ENVE DISEÑO Min	3	-1.3087	-0.4606	-0.1149	-0.4595	-0.1092	-2.9096	167
CUB	B84	170	ENVE DISEÑO Max	0.275	3.5207	-2.0088	0.0289	1.0735	0.2256	11.0529	170
CUB	B84	170	ENVE DISEÑO Max	1.1833	3.5207	0.8186	0.0289	1.0735	0.2	11.7104	170

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B84	170	ENVE DISEÑO Max	2.0917	3.5207	3.646	0.0289	1.0735	0.1745	10.664	170
CUB	B84	170	ENVE DISEÑO Max	3	3.5207	7.1045	0.0289	1.0735	0.1494	6.8303	170
CUB	B84	170	ENVE DISEÑO Min	0.275	-3.695	-13.5175	-0.0299	0.2889	-0.2101	-22.851	170
CUB	B84	170	ENVE DISEÑO Min	1.1833	-3.695	-9.7477	-0.0299	0.2889	-0.1836	-12.4016	170
CUB	B84	170	ENVE DISEÑO Min	2.0917	-3.695	-5.9778	-0.0299	0.2889	-0.1573	-6.2409	170
CUB	B84	170	ENVE DISEÑO Min	3	-3.695	-2.8391	-0.0299	0.2889	-0.1313	-3.2853	170
CUB	B86	208	ENVE DISEÑO Max	0	4.3507	-0.3668	0.0013	0.0056	0.0073	-0.1556	208
CUB	B86	208	ENVE DISEÑO Max	1.9333	4.3507	-0.0533	0.0013	0.0056	0.0059	0.285	208
CUB	B86	208	ENVE DISEÑO Max	3.8667	4.3507	0.3112	0.0013	0.0056	0.0053	0.2244	208
CUB	B86	208	ENVE DISEÑO Max	5.8	4.3507	0.7346	0.0013	0.0056	0.0061	-0.2264	208
CUB	B86	208	ENVE DISEÑO Min	0	-3.9525	-0.7287	-0.0014	-0.0117	-0.0073	-0.975	208
CUB	B86	208	ENVE DISEÑO Min	1.9333	-3.9525	-0.3101	-0.0014	-0.0117	-0.0057	-0.0058	208
CUB	B86	208	ENVE DISEÑO Min	3.8667	-3.9525	0.0571	-0.0014	-0.0117	-0.0049	0.0501	208
CUB	B86	208	ENVE DISEÑO Min	5.8	-3.9525	0.3706	-0.0014	-0.0117	-0.0054	-0.9183	208
CUB	B87	209	ENVE DISEÑO Max	0	3.2724	-0.4184	0.0021	0.0127	0.0039	-0.2353	209
CUB	B87	209	ENVE DISEÑO Max	1.9333	3.2724	-0.1048	0.0021	0.0127	0.0027	0.3261	209
CUB	B87	209	ENVE DISEÑO Max	3.8667	3.2724	0.2452	0.0021	0.0127	0.0052	0.4107	209
CUB	B87	209	ENVE DISEÑO Max	5.8	3.2724	0.6681	0.0021	0.0127	0.0084	-0.0235	209
CUB	B87	209	ENVE DISEÑO Min	0	-2.7675	-0.7952	-0.0018	-0.012	-0.003	-0.9766	209
CUB	B87	209	ENVE DISEÑO Min	1.9333	-2.7675	-0.3585	-0.0018	-0.012	-0.0024	0.065	209
CUB	B87	209	ENVE DISEÑO Min	3.8667	-2.7675	0.0231	-0.0018	-0.012	-0.0055	0.1688	209
CUB	B87	209	ENVE DISEÑO Min	5.8	-2.7675	0.3367	-0.0018	-0.012	-0.0094	-0.623	209
CUB	B88	210	ENVE DISEÑO Max	0	2.5832	-0.0965	0.0035	0.0019	0.0125	0.1879	210
CUB	B88	210	ENVE DISEÑO Max	1.9333	2.5832	0.2345	0.0035	0.0019	0.006	0.1076	210
CUB	B88	210	ENVE DISEÑO Max	3.8667	2.5832	0.6526	0.0035	0.0019	0.0025	-0.0732	210
CUB	B88	210	ENVE DISEÑO Max	5.8	2.5832	1.0707	0.0035	0.0019	0.0072	-0.7591	210
CUB	B88	210	ENVE DISEÑO Min	0	-2.6565	-0.5165	-0.0031	-0.0103	-0.0111	-0.5784	210
CUB	B88	210	ENVE DISEÑO Min	1.9333	-2.6565	-0.1159	-0.0031	-0.0103	-0.0054	-0.0201	210
CUB	B88	210	ENVE DISEÑO Min	3.8667	-2.6565	0.1976	-0.0031	-0.0103	-0.0027	-0.7759	210
CUB	B88	210	ENVE DISEÑO Min	5.8	-2.6565	0.5112	-0.0031	-0.0103	-0.0082	-2.441	210
CUB	B92	214	ENVE DISEÑO Max	0	7.7691	-0.2869	0.0047	0.0052	0.0211	0.5739	214
CUB	B92	214	ENVE DISEÑO Max	1.9333	7.7691	0.0324	0.0047	0.0052	0.0121	0.9175	214
CUB	B92	214	ENVE DISEÑO Max	3.8667	7.7691	0.4505	0.0047	0.0052	0.0038	0.4552	214
CUB	B92	214	ENVE DISEÑO Max	5.8	7.7691	0.9244	0.0047	0.0052	0.0068	-0.5621	214
CUB	B92	214	ENVE DISEÑO Min	0	-7.05	-0.5389	-0.0041	-0.0123	-0.0176	-0.3617	214
CUB	B92	214	ENVE DISEÑO Min	1.9333	-7.05	-0.0924	-0.0041	-0.0123	-0.0098	0.1179	214
CUB	B92	214	ENVE DISEÑO Min	3.8667	-7.05	0.2212	-0.0041	-0.0123	-0.0028	-0.011	214
CUB	B92	214	ENVE DISEÑO Min	5.8	-7.05	0.5347	-0.0041	-0.0123	-0.007	-1.0247	214
CUB	B1	233	ENVE DISEÑO Max	0	2.6219	1.7796	0.147	1.1798	0.3611	1.2499	233
CUB	B1	233	ENVE DISEÑO Max	0.8833	2.6219	2.1616	0.147	1.1798	0.233	-0.166	233
CUB	B1	233	ENVE DISEÑO Max	1.7667	2.6219	2.5437	0.147	1.1798	0.1133	-0.1606	233
CUB	B1	233	ENVE DISEÑO Max	2.65	2.6219	2.9257	0.147	1.1798	0.0941	-0.3857	233
CUB	B1	233	ENVE DISEÑO Min	0	-2.5758	-0.4621	-0.1683	0.5199	-0.2385	-0.4737	233
CUB	B1	233	ENVE DISEÑO Min	0.8833	-2.5758	-0.1756	-0.1683	0.5199	-0.2335	-0.5169	233
CUB	B1	233	ENVE DISEÑO Min	1.7667	-2.5758	0.1109	-0.1683	0.5199	-0.095	-2.5719	233

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B1	233	ENVE DISEÑO Min	2.65	-2.5758	0.3975	-0.1683	0.5199	-0.0569	-4.987	233
CUB	B12	234	ENVE DISEÑO Max	0	15.2252	-3.1584	0.5759	0.0622	0.8537	-5.0141	234
CUB	B12	234	ENVE DISEÑO Max	0.6833	15.2252	-2.2676	0.5759	0.0622	0.4675	-3.1559	234
CUB	B12	234	ENVE DISEÑO Max	1.3667	15.2252	-1.3767	0.5759	0.0622	0.1368	-1.766	234
CUB	B12	234	ENVE DISEÑO Max	2.05	15.2252	-0.4859	0.5759	0.0622	0.2985	-0.6092	234
CUB	B12	234	ENVE DISEÑO Min	0	-13.1278	-6.8608	-0.542	-1.4663	-0.8363	-11.4401	234
CUB	B12	234	ENVE DISEÑO Min	0.6833	-13.1278	-5.673	-0.542	-1.4663	-0.4732	-7.162	234
CUB	B12	234	ENVE DISEÑO Min	1.3667	-13.1278	-4.4852	-0.542	-1.4663	-0.1657	-3.836	234
CUB	B12	234	ENVE DISEÑO Min	2.05	-13.1278	-3.2974	-0.542	-1.4663	-0.3506	-1.6974	234
CUB	B25	235	ENVE DISEÑO Max	0	3.6771	-2.0891	0.0615	-0.1035	0.2677	-1.4916	235
CUB	B25	235	ENVE DISEÑO Max	0.6333	3.6771	-1.2634	0.0615	-0.1035	0.2784	-0.4263	235
CUB	B25	235	ENVE DISEÑO Max	1.2667	3.6771	-0.4377	0.0615	-0.1035	0.2908	0.1601	235
CUB	B25	235	ENVE DISEÑO Max	1.9	3.6771	0.4817	0.0615	-0.1035	0.3075	0.2491	235
CUB	B25	235	ENVE DISEÑO Min	0	-3.1354	-3.398	-0.0364	-0.5244	-0.2375	-2.6743	235
CUB	B25	235	ENVE DISEÑO Min	0.6333	-3.1354	-2.1136	-0.0364	-0.5244	-0.2641	-0.9596	235
CUB	B25	235	ENVE DISEÑO Min	1.2667	-3.1354	-0.8293	-0.0364	-0.5244	-0.2924	-0.1457	235
CUB	B25	235	ENVE DISEÑO Min	1.9	-3.1354	0.1972	-0.0364	-0.5244	-0.3249	-0.0546	235
CUB	B52	241	ENVE DISEÑO Max	0	14.3549	5.7456	0.3796	0.0338	0.4646	2.4198	241
CUB	B52	241	ENVE DISEÑO Max	0.6167	14.3549	6.8175	0.3796	0.0338	0.2359	1.2806	241
CUB	B52	241	ENVE DISEÑO Max	1.2333	14.3549	7.8894	0.3796	0.0338	0.0883	-0.0299	241
CUB	B52	241	ENVE DISEÑO Max	1.85	14.3549	8.9613	0.3796	0.0338	0.2443	-1.7276	241
CUB	B52	241	ENVE DISEÑO Min	0	-15.4311	0.6407	-0.3498	-1.1728	-0.4157	-0.6493	241
CUB	B52	241	ENVE DISEÑO Min	0.6167	-15.4311	1.4446	-0.3498	-1.1728	-0.2054	-0.4267	241
CUB	B52	241	ENVE DISEÑO Min	1.2333	-15.4311	2.2486	-0.3498	-1.1728	-0.0762	-8.3896	241
CUB	B52	241	ENVE DISEÑO Min	1.85	-15.4311	3.0525	-0.3498	-1.1728	-0.2506	-13.5219	241
CUB	B63	242	ENVE DISEÑO Max	0.2	2.1965	-7.4898	0.2345	-0.2592	0.4578	-7.9218	242
CUB	B63	242	ENVE DISEÑO Max	0.7667	2.1965	-5.6217	0.2345	-0.2592	0.327	-4.2034	242
CUB	B63	242	ENVE DISEÑO Max	1.3333	2.1965	-3.7536	0.2345	-0.2592	0.1981	-1.5418	242
CUB	B63	242	ENVE DISEÑO Max	1.9	2.1965	-1.8855	0.2345	-0.2592	0.0812	0.0827	242
CUB	B63	242	ENVE DISEÑO Min	0.2	-2.6896	-11.8777	-0.2219	-0.5721	-0.4513	-12.835	242
CUB	B63	242	ENVE DISEÑO Min	0.7667	-2.6896	-8.9717	-0.2219	-0.5721	-0.3276	-6.9276	242
CUB	B63	242	ENVE DISEÑO Min	1.3333	-2.6896	-6.0658	-0.2219	-0.5721	-0.2058	-2.667	242
CUB	B63	242	ENVE DISEÑO Min	1.9	-2.6896	-3.1598	-0.2219	-0.5721	-0.0961	-0.1775	242
CUB	B64	243	ENVE DISEÑO Max	0	5.0836	0.4817	0.0384	0.2491	0.1287	0.5244	243
CUB	B64	243	ENVE DISEÑO Max	0.95	5.0836	0.9345	0.0384	0.2491	0.1691	-0.0071	243
CUB	B64	243	ENVE DISEÑO Max	1.9	5.0836	1.4138	0.0384	0.2491	0.2126	-0.6839	243
CUB	B64	243	ENVE DISEÑO Max	2.85	5.0836	1.8932	0.0384	0.2491	0.2585	-1.6134	243
CUB	B64	243	ENVE DISEÑO Min	0	-4.222	0.1972	-0.0506	-0.0546	-0.1446	0.1035	243
CUB	B64	243	ENVE DISEÑO Min	0.95	-4.222	0.5053	-0.0506	-0.0546	-0.1734	-0.3515	243
CUB	B64	243	ENVE DISEÑO Min	1.9	-4.222	0.8135	-0.0506	-0.0546	-0.2053	-1.369	243
CUB	B64	243	ENVE DISEÑO Min	2.85	-4.222	1.1217	-0.0506	-0.0546	-0.2396	-2.9398	243
CUB	B65	244	ENVE DISEÑO Max	0.2	9.2834	-0.6496	0.0618	0.2025	0.2447	-0.4367	244
CUB	B65	244	ENVE DISEÑO Max	2	9.2834	-0.0657	0.0618	0.2025	0.1342	0.2128	244
CUB	B65	244	ENVE DISEÑO Max	3.8	9.2834	0.549	0.0618	0.2025	0.029	0.7969	244
CUB	B65	244	ENVE DISEÑO Max	5.6	9.2834	1.3275	0.0618	0.2025	0.0932	0.7138	244

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B65	244	ENVE DISEÑO Min	0.2	-8.1184	-1.854	-0.0611	-0.1879	-0.24	-3.1319	244
CUB	B65	244	ENVE DISEÑO Min	2	-8.1184	-1.0755	-0.0611	-0.1879	-0.1307	-0.501	244
CUB	B65	244	ENVE DISEÑO Min	3.8	-8.1184	-0.3278	-0.0611	-0.1879	-0.0268	-0.2571	244
CUB	B65	244	ENVE DISEÑO Min	5.6	-8.1184	0.2561	-0.0611	-0.1879	-0.0922	-1.7983	244
CUB	B66	245	ENVE DISEÑO Max	0.2	4.7514	-0.3948	0.0459	0.1362	0.1321	0.5407	245
CUB	B66	245	ENVE DISEÑO Max	2	4.7514	0.1891	0.0459	0.1362	0.0504	0.813	245
CUB	B66	245	ENVE DISEÑO Max	3.8	4.7514	0.8686	0.0459	0.1362	0.0364	0.7407	245
CUB	B66	245	ENVE DISEÑO Max	5.6	4.7514	1.6471	0.0459	0.1362	0.1096	0.3997	245
CUB	B66	245	ENVE DISEÑO Min	0.2	-3.8908	-1.614	-0.0413	-0.2171	-0.1146	-2.2674	245
CUB	B66	245	ENVE DISEÑO Min	2	-3.8908	-0.8355	-0.0413	-0.2171	-0.0411	-0.1499	245
CUB	B66	245	ENVE DISEÑO Min	3.8	-3.8908	-0.1526	-0.0413	-0.2171	-0.0353	-0.1403	245
CUB	B66	245	ENVE DISEÑO Min	5.6	-3.8908	0.4313	-0.0413	-0.2171	-0.1166	-2.3142	245
CUB	B73	246	ENVE DISEÑO Max	0.2	5.5885	-0.5286	0.046	0.2173	0.1494	0.273	246
CUB	B73	246	ENVE DISEÑO Max	2	5.5885	0.0552	0.046	0.2173	0.0673	0.7875	246
CUB	B73	246	ENVE DISEÑO Max	3.8	5.5885	0.6875	0.046	0.2173	0.0199	1.0583	246
CUB	B73	246	ENVE DISEÑO Max	5.6	5.5885	1.466	0.046	0.2173	0.0909	0.8399	246
CUB	B73	246	ENVE DISEÑO Min	0.2	-4.7377	-1.7772	-0.0414	-0.1964	-0.134	-2.5374	246
CUB	B73	246	ENVE DISEÑO Min	2	-4.7377	-0.9987	-0.0414	-0.1964	-0.0602	-0.1275	246
CUB	B73	246	ENVE DISEÑO Min	3.8	-4.7377	-0.2686	-0.0414	-0.1964	-0.0211	0.0738	246
CUB	B73	246	ENVE DISEÑO Min	5.6	-4.7377	0.3152	-0.0414	-0.1964	-0.1003	-1.688	246
CUB	B91	247	ENVE DISEÑO Max	0.2	8.9072	0.1277	0.0615	0.2073	0.1189	1.2126	247
CUB	B91	247	ENVE DISEÑO Max	2	8.9072	0.7808	0.0615	0.2073	0.0089	0.5081	247
CUB	B91	247	ENVE DISEÑO Max	3.8	8.9072	1.5593	0.0615	0.2073	0.0896	-0.2763	247
CUB	B91	247	ENVE DISEÑO Max	5.6	8.9072	2.3378	0.0615	0.2073	0.1853	-1.271	247
CUB	B91	247	ENVE DISEÑO Min	0.2	-7.0845	-1.0332	-0.0531	-0.1128	-0.1018	-1.4748	247
CUB	B91	247	ENVE DISEÑO Min	2	-7.0845	-0.3239	-0.0531	-0.1128	-0.0068	-0.3666	247
CUB	B91	247	ENVE DISEÑO Min	3.8	-7.0845	0.2599	-0.0531	-0.1128	-0.1026	-1.6309	247
CUB	B91	247	ENVE DISEÑO Min	5.6	-7.0845	0.8438	-0.0531	-0.1128	-0.2132	-5.137	247
CUB	B94	248	ENVE DISEÑO Max	0	5.779	8.8068	4.328	0.5176	4.0138	2.2025	248
CUB	B94	248	ENVE DISEÑO Max	0.6167	5.779	9.1624	4.328	0.5176	1.3476	0.129	248
CUB	B94	248	ENVE DISEÑO Max	1.2333	5.779	9.518	4.328	0.5176	1.4031	-1.0118	248
CUB	B94	248	ENVE DISEÑO Max	1.85	5.779	9.8736	4.328	0.5176	4.2695	-2.2921	248
CUB	B94	248	ENVE DISEÑO Min	0	-5.4108	1.3849	-4.6527	-0.1987	-4.3407	0.6203	248
CUB	B94	248	ENVE DISEÑO Min	0.6167	-5.4108	1.6516	-4.6527	-0.1987	-1.4743	-3.7831	248
CUB	B94	248	ENVE DISEÑO Min	1.2333	-5.4108	1.9183	-4.6527	-0.1987	-1.3296	-9.5028	248
CUB	B94	248	ENVE DISEÑO Min	1.85	-5.4108	2.185	-4.6527	-0.1987	-3.9957	-15.4669	248
CUB	B99	249	ENVE DISEÑO Max	0.2	2.1586	-8.5	0.1099	0.4144	0.1651	-8.1173	249
CUB	B99	249	ENVE DISEÑO Max	0.7667	2.1586	-5.9962	0.1099	0.4144	0.1189	-4.0095	249
CUB	B99	249	ENVE DISEÑO Max	1.3333	2.1586	-3.4924	0.1099	0.4144	0.094	-1.3198	249
CUB	B99	249	ENVE DISEÑO Max	1.9	2.1586	-0.9886	0.1099	0.4144	0.1063	-0.0406	249
CUB	B99	249	ENVE DISEÑO Min	0.2	-2.5529	-13.334	-0.0994	-0.1319	-0.1377	-12.8285	249
CUB	B99	249	ENVE DISEÑO Min	0.7667	-2.5529	-9.4392	-0.0994	-0.1319	-0.0974	-6.3761	249
CUB	B99	249	ENVE DISEÑO Min	1.3333	-2.5529	-5.5444	-0.0994	-0.1319	-0.0785	-2.1307	249
CUB	B99	249	ENVE DISEÑO Min	1.9	-2.5529	-1.6496	-0.0994	-0.1319	-0.0968	-0.0963	249
CUB	B100	250	ENVE DISEÑO Max	0	8.7474	9.0855	4.4444	0.3988	4.3208	3.3041	250



Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B100	250	ENVE DISEÑO Max	0.6167	8.7474	9.4411	4.4444	0.3988	1.5827	-0.2807	250
CUB	B100	250	ENVE DISEÑO Max	1.2333	8.7474	9.7968	4.4444	0.3988	1.3104	-1.6822	250
CUB	B100	250	ENVE DISEÑO Max	1.85	8.7474	10.1524	4.4444	0.3988	4.354	-2.8904	250
CUB	B100	250	ENVE DISEÑO Min	0	-7.3958	1.1335	-4.9419	-0.4329	-4.7918	-0.9364	250
CUB	B100	250	ENVE DISEÑO Min	0.6167	-7.3958	1.4002	-4.9419	-0.4329	-1.7469	-3.8452	250
CUB	B100	250	ENVE DISEÑO Min	1.2333	-7.3958	1.6669	-4.9419	-0.4329	-1.1678	-9.3211	250
CUB	B100	250	ENVE DISEÑO Min	1.85	-7.3958	1.9336	-4.9419	-0.4329	-3.9046	-15.374	250
CUB	B101	251	ENVE DISEÑO Max	0.2	0.7698	-8.787	0.2031	0.3388	0.5329	-8.5152	251
CUB	B101	251	ENVE DISEÑO Max	0.7667	0.7698	-6.2832	0.2031	0.3388	0.418	-4.2449	251
CUB	B101	251	ENVE DISEÑO Max	1.3333	0.7698	-3.7794	0.2031	0.3388	0.3032	-1.3928	251
CUB	B101	251	ENVE DISEÑO Max	1.9	0.7698	-1.2755	0.2031	0.3388	0.1889	0.0529	251
CUB	B101	251	ENVE DISEÑO Min	0.2	-1.013	-13.7209	-0.1894	-0.2479	-0.5015	-13.3517	251
CUB	B101	251	ENVE DISEÑO Min	0.7667	-1.013	-9.8261	-0.1894	-0.2479	-0.3944	-6.68	251
CUB	B101	251	ENVE DISEÑO Min	1.3333	-1.013	-5.9313	-0.1894	-0.2479	-0.2874	-2.2154	251
CUB	B101	251	ENVE DISEÑO Min	1.9	-1.013	-2.0365	-0.1894	-0.2479	-0.1808	0.0116	251
CUB	B102	252	ENVE DISEÑO Max	0	6.887	9.7052	4.0205	0.4456	3.6074	5.1661	252
CUB	B102	252	ENVE DISEÑO Max	0.6167	6.887	10.0608	4.0205	0.4456	1.1314	0.9178	252
CUB	B102	252	ENVE DISEÑO Max	1.2333	6.887	10.4164	4.0205	0.4456	1.551	-1.1826	252
CUB	B102	252	ENVE DISEÑO Max	1.85	6.887	10.772	4.0205	0.4456	4.392	-2.1737	252
CUB	B102	252	ENVE DISEÑO Min	0	-7.3231	0.1884	-4.6111	-0.4798	-4.1416	-2.9121	252
CUB	B102	252	ENVE DISEÑO Min	0.6167	-7.3231	0.4551	-4.6111	-0.4798	-1.3013	-4.9567	252
CUB	B102	252	ENVE DISEÑO Min	1.2333	-7.3231	0.7218	-4.6111	-0.4798	-1.3567	-9.533	252
CUB	B102	252	ENVE DISEÑO Min	1.85	-7.3231	0.9885	-4.6111	-0.4798	-3.8335	-15.6024	252
CUB	B103	268	ENVE DISEÑO Max	0.2	1.7257	-8.4103	0.109	0.2164	0.2495	-7.9176	268
CUB	B103	268	ENVE DISEÑO Max	0.7667	1.7257	-5.9065	0.109	0.2164	0.188	-3.8593	268
CUB	B103	268	ENVE DISEÑO Max	1.3333	1.7257	-3.4027	0.109	0.2164	0.1268	-1.2161	268
CUB	B103	268	ENVE DISEÑO Max	1.9	1.7257	-0.8989	0.109	0.2164	0.0667	0.0395	268
CUB	B103	268	ENVE DISEÑO Min	0.2	-2.1759	-13.1568	-0.0949	-0.4453	-0.2042	-12.4257	268
CUB	B103	268	ENVE DISEÑO Min	0.7667	-2.1759	-9.262	-0.0949	-0.4453	-0.1507	-6.0737	268
CUB	B103	268	ENVE DISEÑO Min	1.3333	-2.1759	-5.3672	-0.0949	-0.4453	-0.0975	-1.9288	268
CUB	B103	268	ENVE DISEÑO Min	1.9	-2.1759	-1.4723	-0.0949	-0.4453	-0.0455	-0.0251	268
CUB	B104	274	ENVE DISEÑO Max	0	6.2071	9.1348	1.2904	0.1945	1.4689	7.0048	274
CUB	B104	274	ENVE DISEÑO Max	0.6167	6.2071	10.0554	1.2904	0.1945	0.6754	2.9024	274
CUB	B104	274	ENVE DISEÑO Max	1.2333	6.2071	10.9761	1.2904	0.1945	0.1568	0.3159	274
CUB	B104	274	ENVE DISEÑO Max	1.85	6.2071	11.8968	1.2904	0.1945	1.0329	-1.3929	274
CUB	B104	274	ENVE DISEÑO Min	0	-6.35	-0.4021	-1.4511	-0.3859	-1.6565	-3.2788	274
CUB	B104	274	ENVE DISEÑO Min	0.6167	-6.35	0.2884	-1.4511	-0.3859	-0.7639	-5.0583	274
CUB	B104	274	ENVE DISEÑO Min	1.2333	-6.35	0.9789	-1.4511	-0.3859	-0.1462	-9.3472	274
CUB	B104	274	ENVE DISEÑO Min	1.85	-6.35	1.6694	-1.4511	-0.3859	-0.9232	-15.5074	274
CUB	B105	275	ENVE DISEÑO Max	0.2	1.394	-6.6675	0.1587	0.2148	0.5066	-6.5443	275
CUB	B105	275	ENVE DISEÑO Max	0.7667	1.394	-4.9036	0.1587	0.2148	0.4168	-3.2654	275
CUB	B105	275	ENVE DISEÑO Max	1.3333	1.394	-3.1397	0.1587	0.2148	0.327	-0.9853	275
CUB	B105	275	ENVE DISEÑO Max	1.9	1.394	-1.3759	0.1587	0.2148	0.2373	0.3777	275
CUB	B105	275	ENVE DISEÑO Min	0.2	-1.35	-11.034	-0.1584	-0.4397	-0.4751	-11.4096	275
CUB	B105	275	ENVE DISEÑO Min	0.7667	-1.35	-8.2902	-0.1584	-0.4397	-0.3854	-5.9345	275

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B105	275	ENVE DISEÑO Min	1.3333	-1.35	-5.5464	-0.1584	-0.4397	-0.2958	-2.0359	275
CUB	B105	275	ENVE DISEÑO Min	1.9	-1.35	-2.8297	-0.1584	-0.4397	-0.2062	0.1504	275
CUB	B106	276	ENVE DISEÑO Max	0	8.7784	-0.7613	0.0106	0.1165	0.0336	-1.3206	276
CUB	B106	276	ENVE DISEÑO Max	1.9333	8.7784	-0.3433	0.0106	0.1165	0.0139	-0.2462	276
CUB	B106	276	ENVE DISEÑO Max	3.8667	8.7784	0.0826	0.0106	0.1165	0.0114	0.084	276
CUB	B106	276	ENVE DISEÑO Max	5.8	8.7784	0.6844	0.0106	0.1165	0.0314	-0.3187	276
CUB	B106	276	ENVE DISEÑO Min	0	-7.3437	-1.2666	-0.0108	-0.0169	-0.0324	-2.3776	276
CUB	B106	276	ENVE DISEÑO Min	1.9333	-7.3437	-0.6163	-0.0108	-0.0169	-0.0123	-0.5742	276
CUB	B106	276	ENVE DISEÑO Min	3.8667	-7.3437	-0.031	-0.0108	-0.0169	-0.0094	-0.0612	276
CUB	B106	276	ENVE DISEÑO Min	5.8	-7.3437	0.3871	-0.0108	-0.0169	-0.029	-0.7013	276
CUB	B107	277	ENVE DISEÑO Max	0	8.5052	-0.567	0.0034	0.0467	0.011	-0.3786	277
CUB	B107	277	ENVE DISEÑO Max	1.9333	8.5052	-0.1489	0.0034	0.0467	0.0135	0.3939	277
CUB	B107	277	ENVE DISEÑO Max	3.8667	8.5052	0.3404	0.0034	0.0467	0.0189	0.3497	277
CUB	B107	277	ENVE DISEÑO Max	5.8	8.5052	0.9859	0.0034	0.0467	0.0252	-0.4634	277
CUB	B107	277	ENVE DISEÑO Min	0	-7.0878	-0.9652	-0.0037	-0.084	-0.0106	-0.9238	277
CUB	B107	277	ENVE DISEÑO Min	1.9333	-7.0878	-0.324	-0.0037	-0.084	-0.0124	0.1609	277
CUB	B107	277	ENVE DISEÑO Min	3.8667	-7.0878	0.1622	-0.0037	-0.084	-0.0171	0.1908	277
CUB	B107	277	ENVE DISEÑO Min	5.8	-7.0878	0.5803	-0.0037	-0.084	-0.0227	-0.9277	277
CUB	B108	278	ENVE DISEÑO Max	0	5.7467	-0.6214	0.0072	0.0871	0.0234	-0.4693	278
CUB	B108	278	ENVE DISEÑO Max	1.9333	5.7467	-0.2033	0.0072	0.0871	0.0099	0.4206	278
CUB	B108	278	ENVE DISEÑO Max	3.8667	5.7467	0.2649	0.0072	0.0871	0.0079	0.5646	278
CUB	B108	278	ENVE DISEÑO Max	5.8	5.7467	0.9005	0.0072	0.0871	0.0229	-0.2004	278
CUB	B108	278	ENVE DISEÑO Min	0	-4.5812	-1.0506	-0.0081	-0.0598	-0.0245	-1.0104	278
CUB	B108	278	ENVE DISEÑO Min	1.9333	-4.5812	-0.4005	-0.0081	-0.0598	-0.0094	0.2101	278
CUB	B108	278	ENVE DISEÑO Min	3.8667	-4.5812	0.1068	-0.0081	-0.0598	-0.0058	0.3145	278
CUB	B108	278	ENVE DISEÑO Min	5.8	-4.5812	0.5249	-0.0081	-0.0598	-0.0191	-0.6062	278
CUB	B109	279	ENVE DISEÑO Max	0	1.0377	-0.267	0.0046	0.0686	0.017	-0.0695	279
CUB	B109	279	ENVE DISEÑO Max	1.9333	1.0377	0.1716	0.0046	0.0686	0.0085	0.1601	279
CUB	B109	279	ENVE DISEÑO Max	3.8667	1.0377	0.729	0.0046	0.0686	0.0036	-0.1991	279
CUB	B109	279	ENVE DISEÑO Max	5.8	1.0377	1.3792	0.0046	0.0686	0.0109	-1.3186	279
CUB	B109	279	ENVE DISEÑO Min	0	-0.7328	-0.5872	-0.0052	-0.027	-0.0201	-0.5082	279
CUB	B109	279	ENVE DISEÑO Min	1.9333	-0.7328	-0.0502	-0.0052	-0.027	-0.0105	-0.0294	279
CUB	B109	279	ENVE DISEÑO Min	3.8667	-0.7328	0.3679	-0.0052	-0.027	-0.0046	-0.8479	279
CUB	B109	279	ENVE DISEÑO Min	5.8	-0.7328	0.7859	-0.0052	-0.027	-0.0109	-2.7921	279
CUB	B113	366	ENVE DISEÑO Max	0	2.1773	0.6372	0.0284	0.387	0.035	2.867	366
CUB	B113	366	ENVE DISEÑO Max	0.6833	2.1773	1.4095	0.0284	0.387	0.0323	2.2331	366
CUB	B113	366	ENVE DISEÑO Max	1.3667	2.1773	2.2327	0.0284	0.387	0.0426	1.1058	366
CUB	B113	366	ENVE DISEÑO Max	2.05	2.1773	3.0559	0.0284	0.387	0.0584	-0.1964	366
CUB	B113	366	ENVE DISEÑO Min	0	-1.8048	-1.0057	-0.0302	-0.0211	-0.0336	-1.5925	366
CUB	B113	366	ENVE DISEÑO Min	0.6833	-1.8048	-0.3374	-0.0302	-0.0211	-0.0297	-1.199	366
CUB	B113	366	ENVE DISEÑO Min	1.3667	-1.8048	0.28	-0.0302	-0.0211	-0.0387	-1.2965	366
CUB	B113	366	ENVE DISEÑO Min	2.05	-1.8048	0.8974	-0.0302	-0.0211	-0.0533	-2.2036	366
CUB	B114	23	ENVE DISEÑO Max	0	0.9056	-0.8947	0.0145	-0.1649	0.0184	-0.274	23
CUB	B114	23	ENVE DISEÑO Max	0.6333	0.9056	-0.3224	0.0145	-0.1649	0.0232	0.112	23
CUB	B114	23	ENVE DISEÑO Max	1.2667	0.9056	0.2498	0.0145	-0.1649	0.0301	0.1364	23



Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B114	23	ENVE DISEÑO Max	1.9	0.9056	0.9809	0.0145	-0.1649	0.0378	-0.1889	23
CUB	B114	23	ENVE DISEÑO Min	0	-0.9383	-1.9869	-0.0142	-0.4639	-0.021	-1.9654	23
CUB	B114	23	ENVE DISEÑO Min	0.6333	-0.9383	-1.2239	-0.0142	-0.4639	-0.026	-0.9492	23
CUB	B114	23	ENVE DISEÑO Min	1.2667	-0.9383	-0.461	-0.0142	-0.4639	-0.033	-0.4171	23
CUB	B114	23	ENVE DISEÑO Min	1.9	-0.9383	0.1431	-0.0142	-0.4639	-0.0409	-0.3808	23
CUB	B115	349	ENVE DISEÑO Max	0	1.4686	-0.5756	0.0194	0.3808	0.0581	-1.0699	349
CUB	B115	349	ENVE DISEÑO Max	0.6667	1.4686	-0.4314	0.0194	0.3808	0.0456	-0.7326	349
CUB	B115	349	ENVE DISEÑO Max	1.3333	1.4686	-0.2873	0.0194	0.3808	0.0335	-0.4862	349
CUB	B115	349	ENVE DISEÑO Max	2	1.4686	-0.1431	0.0194	0.3808	0.0222	-0.1649	349
CUB	B115	349	ENVE DISEÑO Min	0	-1.5584	-1.5575	-0.0205	0.1889	-0.0631	-2.8159	349
CUB	B115	349	ENVE DISEÑO Min	0.6667	-1.5584	-1.3653	-0.0205	0.1889	-0.0499	-1.8433	349
CUB	B115	349	ENVE DISEÑO Min	1.3333	-1.5584	-1.1731	-0.0205	0.1889	-0.037	-1.004	349
CUB	B115	349	ENVE DISEÑO Min	2	-1.5584	-0.9809	-0.0205	0.1889	-0.0251	-0.4639	349
CUB	B116	354	ENVE DISEÑO Max	0.2	3.471	-2.6055	0.0146	0.2425	0.0391	-4.1003	354
CUB	B116	354	ENVE DISEÑO Max	0.8	3.471	-2.4758	0.0146	0.2425	0.031	-2.5753	354
CUB	B116	354	ENVE DISEÑO Max	1.4	3.471	-2.346	0.0146	0.2425	0.0233	-1.1265	354
CUB	B116	354	ENVE DISEÑO Max	2	3.471	-2.2163	0.0146	0.2425	0.0168	0.7628	354
CUB	B116	354	ENVE DISEÑO Min	0.2	-3.1688	-5.1594	-0.0134	-0.0819	-0.0357	-8.0798	354
CUB	B116	354	ENVE DISEÑO Min	0.8	-3.1688	-4.9645	-0.0134	-0.0819	-0.0283	-5.0447	354
CUB	B116	354	ENVE DISEÑO Min	1.4	-3.1688	-4.7915	-0.0134	-0.0819	-0.0213	-2.1307	354
CUB	B116	354	ENVE DISEÑO Min	2	-3.1688	-4.6185	-0.0134	-0.0819	-0.0155	0.2319	354
CUB	B126	52	ENVE DISEÑO Max	0.2	4.0876	-1.2867	0.0537	0.5083	0.1948	0.2554	52
CUB	B126	52	ENVE DISEÑO Max	0.8	4.0876	-1.0921	0.0537	0.5083	0.1626	0.9776	52
CUB	B126	52	ENVE DISEÑO Max	1.4	4.0876	-0.8974	0.0537	0.5083	0.1304	1.7944	52
CUB	B126	52	ENVE DISEÑO Max	2	4.0876	-0.7028	0.0537	0.5083	0.0983	2.64	52
CUB	B126	52	ENVE DISEÑO Min	0.2	-3.74	-3.6413	-0.0457	-2.3339	-0.1678	-4.2699	52
CUB	B126	52	ENVE DISEÑO Min	0.8	-3.74	-3.3818	-0.0457	-2.3339	-0.1404	-2.1716	52
CUB	B126	52	ENVE DISEÑO Min	1.4	-3.74	-3.1223	-0.0457	-2.3339	-0.113	-0.4403	52
CUB	B126	52	ENVE DISEÑO Min	2	-3.74	-2.8628	-0.0457	-2.3339	-0.0857	0.9897	52
CUB	B133	54	ENVE DISEÑO Max	0	2.4806	-0.6004	0.0014	0.0129	0.0181	-1.0457	54
CUB	B133	54	ENVE DISEÑO Max	0.6667	2.4806	-0.4923	0.0014	0.0129	0.0184	-0.6806	54
CUB	B133	54	ENVE DISEÑO Max	1.3333	2.4806	-0.3842	0.0014	0.0129	0.0186	-0.3831	54
CUB	B133	54	ENVE DISEÑO Max	2	2.4806	-0.2761	0.0014	0.0129	0.0189	0.4339	54
CUB	B133	54	ENVE DISEÑO Min	0	-2.7283	-2.2849	-0.0009	-0.2024	-0.02	-3.7083	54
CUB	B133	54	ENVE DISEÑO Min	0.6667	-2.7283	-2.1407	-0.0009	-0.2024	-0.0206	-2.2339	54
CUB	B133	54	ENVE DISEÑO Min	1.3333	-2.7283	-1.9965	-0.0009	-0.2024	-0.0212	-0.8602	54
CUB	B133	54	ENVE DISEÑO Min	2	-2.7283	-1.8524	-0.0009	-0.2024	-0.0218	-0.1742	54
CUB	B136	211	ENVE DISEÑO Max	0	6.3568	-1.6054	0.0084	0.4715	0.0386	1.5634	211
CUB	B136	211	ENVE DISEÑO Max	1	6.3568	-0.7019	0.0084	0.4715	0.0344	2.9604	211
CUB	B136	211	ENVE DISEÑO Max	2	6.3568	0.2016	0.0084	0.4715	0.0318	3.5856	211
CUB	B136	211	ENVE DISEÑO Max	3	6.3568	1.3612	0.0084	0.4715	0.0312	3.0484	211
CUB	B136	211	ENVE DISEÑO Min	0	-5.456	-3.0466	-0.0099	0.1542	-0.0463	-4.3059	211
CUB	B136	211	ENVE DISEÑO Min	1	-5.456	-1.7544	-0.0099	0.1542	-0.0406	-2.1925	211
CUB	B136	211	ENVE DISEÑO Min	2	-5.456	-0.5497	-0.0099	0.1542	-0.0365	-1.4156	211
CUB	B136	211	ENVE DISEÑO Min	3	-5.456	0.3988	-0.0099	0.1542	-0.0344	-1.5843	211

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B156	147	ENVE DISEÑO Max	0.2	4.0999	0.6551	0.0141	0.3344	0.0413	3.2094	147
CUB	B156	147	ENVE DISEÑO Max	2	4.0999	1.2389	0.0141	0.3344	0.0597	1.6481	147
CUB	B156	147	ENVE DISEÑO Max	3.8	4.0999	1.9606	0.0141	0.3344	0.0794	1.8858	147
CUB	B156	147	ENVE DISEÑO Max	5.6	4.0999	2.7391	0.0141	0.3344	0.0996	3.3311	147
CUB	B156	147	ENVE DISEÑO Min	0.2	-4.8668	-2.5531	-0.0117	-0.1958	-0.0442	-4.5032	147
CUB	B156	147	ENVE DISEÑO Min	2	-4.8668	-1.7746	-0.0117	-0.1958	-0.067	-0.7515	147
CUB	B156	147	ENVE DISEÑO Min	3.8	-4.8668	-1.134	-0.0117	-0.1958	-0.091	-1.2511	147
CUB	B156	147	ENVE DISEÑO Min	5.6	-4.8668	-0.5501	-0.0117	-0.1958	-0.1156	-5.4105	147
CUB	B158	198	ENVE DISEÑO Max	0	0.6426	-0.0881	0.0009	0.0528	0.0017	0.5702	198
CUB	B158	198	ENVE DISEÑO Max	1.9333	0.6426	0.2255	0.0009	0.0528	0.0005	0.503	198
CUB	B158	198	ENVE DISEÑO Max	3.8667	0.6426	0.5896	0.0009	0.0528	0.0018	0.8369	198
CUB	B158	198	ENVE DISEÑO Max	5.8	0.6426	1.0077	0.0009	0.0528	0.0034	1.0032	198
CUB	B158	198	ENVE DISEÑO Min	0	-0.8189	-1.064	-0.0008	-0.032	-0.0014	-1.6609	198
CUB	B158	198	ENVE DISEÑO Min	1.9333	-0.8189	-0.646	-0.0008	-0.032	-0.0004	-0.0735	198
CUB	B158	198	ENVE DISEÑO Min	3.8667	-0.8189	-0.2784	-0.0008	-0.032	-0.002	-0.3018	198
CUB	B158	198	ENVE DISEÑO Min	5.8	-0.8189	0.0351	-0.0008	-0.032	-0.0038	-1.777	198
CUB	B18	156	ENVE DISEÑO Max	0	4.6785	1.3375	0.0038	1.9747	0.1175	3.0711	156
CUB	B18	156	ENVE DISEÑO Max	1.2	4.6785	1.8565	0.0038	1.9747	0.1192	1.7625	156
CUB	B18	156	ENVE DISEÑO Max	2.4	4.6785	2.3755	0.0038	1.9747	0.121	1.0904	156
CUB	B18	156	ENVE DISEÑO Max	3.6	4.6785	2.8945	0.0038	1.9747	0.1229	0.3248	156
CUB	B18	156	ENVE DISEÑO Min	0	-4.2596	-0.3387	-0.0032	-1.0577	-0.1019	1.1843	156
CUB	B18	156	ENVE DISEÑO Min	1.2	-4.2596	0.0506	-0.0032	-1.0577	-0.1043	0.7494	156
CUB	B18	156	ENVE DISEÑO Min	2.4	-4.2596	0.4398	-0.0032	-1.0577	-0.1069	-1.4119	156
CUB	B18	156	ENVE DISEÑO Min	3.6	-4.2596	0.8291	-0.0032	-1.0577	-0.1096	-4.5696	156
CUB	B28	184	ENVE DISEÑO Max	0	1.4689	-1.44	0.3808	0.7784	0.2674	0.0205	184-1
CUB	B28	184	ENVE DISEÑO Max	1.1333	1.4689	1.2923	0.3808	0.7784	0.1085	0.5238	184-1
CUB	B28	184	ENVE DISEÑO Max	1.8	1.4689	3.2822	0.3808	0.7784	0.2918	-0.2871	184-1
CUB	B28	184	ENVE DISEÑO Max	1.8	2.3487	-1.4993	0.4445	0.6618	0.2947	-0.258	184-2
CUB	B28	184	ENVE DISEÑO Max	2.2667	2.3487	-0.482	0.4445	0.6618	0.1972	0.2371	184-2
CUB	B28	184	ENVE DISEÑO Max	3.4	2.3487	2.6659	0.4445	0.6618	0.4214	-0.216	184-2
CUB	B28	184	ENVE DISEÑO Min	0	-1.1293	-2.8216	-0.3021	-0.876	-0.2869	-0.751	184-1
CUB	B28	184	ENVE DISEÑO Min	1.1333	-1.1293	0.2828	-0.3021	-0.876	-0.2172	0.2273	184-1
CUB	B28	184	ENVE DISEÑO Min	1.8	-1.1293	1.7361	-0.3021	-0.876	-0.4531	-1.1423	184-1
CUB	B28	184	ENVE DISEÑO Min	1.8	-2.6488	-2.7597	-0.3624	-0.6646	-0.2429	-0.8964	184-2
CUB	B28	184	ENVE DISEÑO Min	2.2667	-2.6488	-1.2943	-0.3624	-0.6646	-0.1837	-0.0087	184-2
CUB	B28	184	ENVE DISEÑO Min	3.4	-2.6488	1.439	-0.3624	-0.6646	-0.501	-0.8091	184-2
CUB	B31	188	ENVE DISEÑO Max	0	6.4592	-0.7535	0.097	0.219	0.2141	4.5173	188-1
CUB	B31	188	ENVE DISEÑO Max	1.1333	6.4592	2.7014	0.097	0.219	0.1534	4.1378	188-1
CUB	B31	188	ENVE DISEÑO Max	1.8	6.4592	5.5096	0.097	0.219	0.1583	2.326	188-1
CUB	B31	188	ENVE DISEÑO Max	1.8	9.0586	5.5096	0.0922	0.219	0.1828	2.326	188-2
CUB	B31	188	ENVE DISEÑO Max	2.2667	9.0586	7.4754	0.0922	0.219	0.1858	1.6768	188-2
CUB	B31	188	ENVE DISEÑO Max	3.4	9.0586	12.2494	0.0922	0.219	0.2076	-1.2767	188-2
CUB	B31	188	ENVE DISEÑO Min	0	-5.4479	-7.2137	-0.0661	-0.2524	-0.1118	-4.5948	188-1
CUB	B31	188	ENVE DISEÑO Min	1.1333	-5.4479	-2.7712	-0.0661	-0.2524	-0.0862	0.5369	188-1
CUB	B31	188	ENVE DISEÑO Min	1.8	-5.4479	-0.6651	-0.0661	-0.2524	-0.1117	0.8865	188-1

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
CUB	B31	188	ENVE DISEÑO Min	1.8	-7.1417	-0.6651	-0.0594	-0.2524	-0.1346	0.8865	188-2
CUB	B31	188	ENVE DISEÑO Min	2.2667	-7.1417	0.8093	-0.0594	-0.2524	-0.1529	-1.6571	188-2
CUB	B31	188	ENVE DISEÑO Min	3.4	-7.1417	4.3897	-0.0594	-0.2524	-0.2118	-12.8271	188-2
CUB	B69	101	ENVE DISEÑO Max	0	39.4272	2.9398	0.227	0.6895	0.3581	5.2371	101
CUB	B69	101	ENVE DISEÑO Max	0.8923	39.4272	3.2481	0.227	0.6895	0.2341	2.4803	101
CUB	B69	101	ENVE DISEÑO Max	1.7846	39.4272	3.594	0.227	0.6895	0.3329	1.3729	101
CUB	B69	101	ENVE DISEÑO Max	2.677	39.4272	3.9776	0.227	0.6895	0.4977	5.6934	101
CUB	B69	101	ENVE DISEÑO Min	0	-42.3688	-5.9709	-0.2296	-0.2829	-0.2992	-8.5414	101
CUB	B69	101	ENVE DISEÑO Min	0.8923	-42.3688	-5.5599	-0.2296	-0.2829	-0.1729	-3.3943	101
CUB	B69	101	ENVE DISEÑO Min	1.7846	-42.3688	-5.0986	-0.2296	-0.2829	-0.2693	-0.5776	101
CUB	B69	101	ENVE DISEÑO Min	2.677	-42.3688	-4.5872	-0.2296	-0.2829	-0.4317	-3.9483	101
CUB	B162	100	ENVE DISEÑO Max	0	11.2016	-0.1372	0.0342	0.3094	0.0775	0.2855	100-1
CUB	B162	100	ENVE DISEÑO Max	1.8	11.2016	0.5382	0.0342	0.3094	0.0553	0.1995	100-1
CUB	B162	100	ENVE DISEÑO Max	2.45	11.2016	0.8193	0.0342	0.3094	0.0609	0.0503	100-1
CUB	B162	100	ENVE DISEÑO Max	2.45	15.7227	-0.2715	0.0293	0.3258	0.0595	-0.0573	100-2
CUB	B162	100	ENVE DISEÑO Max	3.6	15.7227	0.1015	0.0293	0.3258	0.0676	0.2513	100-2
CUB	B162	100	ENVE DISEÑO Max	5.4	15.7227	0.8631	0.0293	0.3258	0.1213	0.0733	100-2
CUB	B162	100	ENVE DISEÑO Min	0	-10.9996	-0.6402	-0.0443	-0.5011	-0.1503	-0.4587	100-1
CUB	B162	100	ENVE DISEÑO Min	1.8	-10.9996	0.0468	-0.0443	-0.5011	-0.1101	-0.1995	100-1
CUB	B162	100	ENVE DISEÑO Min	2.45	-10.9996	0.2576	-0.0443	-0.5011	-0.1091	-0.5904	100-1
CUB	B162	100	ENVE DISEÑO Min	2.45	-13.1232	-0.759	-0.0492	-0.5889	-0.1061	-0.5051	100-2
CUB	B162	100	ENVE DISEÑO Min	3.6	-13.1232	-0.2616	-0.0492	-0.5889	-0.0914	-0.129	100-2
CUB	B162	100	ENVE DISEÑO Min	5.4	-13.1232	0.3392	-0.0492	-0.5889	-0.1093	-0.889	100-2
PISO 3A	B2	199	ENVE DISEÑO Max	0	16.0662	8.2515	0.8777	5.5781	2.3648	1.2	199
PISO 3A	B2	199	ENVE DISEÑO Max	0.75	16.0662	8.5759	0.8777	5.5781	2.96	-1.9901	199
PISO 3A	B2	199	ENVE DISEÑO Max	1.5	16.0662	8.9002	0.8777	5.5781	3.5551	-4.4028	199
PISO 3A	B2	199	ENVE DISEÑO Max	2.25	16.0662	9.2246	0.8777	5.5781	4.1503	-6.9978	199
PISO 3A	B2	199	ENVE DISEÑO Min	0	-17.6048	2.8519	-0.7936	1.0852	-2.6339	0.2396	199
PISO 3A	B2	199	ENVE DISEÑO Min	0.75	-17.6048	3.0951	-0.7936	1.0852	-3.2922	-5.1108	199
PISO 3A	B2	199	ENVE DISEÑO Min	1.5	-17.6048	3.3384	-0.7936	1.0852	-3.9505	-11.6642	199
PISO 3A	B2	199	ENVE DISEÑO Min	2.25	-17.6048	3.5817	-0.7936	1.0852	-4.6088	-18.461	199
PISO 3A	B3	215	ENVE DISEÑO Max	0.2	16.7497	0.657	0.0365	1.0031	1.0571	5.5297	215
PISO 3A	B3	215	ENVE DISEÑO Max	2.85	16.7497	1.5166	0.0365	1.0031	1.1658	2.6503	215
PISO 3A	B3	215	ENVE DISEÑO Max	5.5	16.7497	2.3762	0.0365	1.0031	1.2744	4.2769	215
PISO 3A	B3	215	ENVE DISEÑO Max	8.15	16.7497	3.3574	0.0365	1.0031	1.3831	9.4783	215
PISO 3A	B3	215	ENVE DISEÑO Min	0.2	-14.5802	-4.8283	-0.0411	-0.4414	-0.9285	-15.2397	215
PISO 3A	B3	215	ENVE DISEÑO Min	2.85	-14.5802	-3.6822	-0.0411	-0.4414	-1.0251	-3.964	215
PISO 3A	B3	215	ENVE DISEÑO Min	5.5	-14.5802	-2.536	-0.0411	-0.4414	-1.1217	-2.5095	215
PISO 3A	B3	215	ENVE DISEÑO Min	8.15	-14.5802	-1.5116	-0.0411	-0.4414	-1.2184	-9.9447	215
PISO 3A	B38	392	ENVE DISEÑO Max	0	2.9593	0.669	1.4516	-0.1938	0.496	-0.1833	392
PISO 3A	B38	392	ENVE DISEÑO Max	0.2333	2.9593	0.887	1.4516	-0.1938	0.8712	0.014	392
PISO 3A	B38	392	ENVE DISEÑO Max	0.4667	2.9593	1.2101	1.4516	-0.1938	1.2464	0.1674	392
PISO 3A	B38	392	ENVE DISEÑO Max	0.7	2.9593	1.5332	1.4516	-0.1938	1.6216	0.2769	392
PISO 3A	B38	392	ENVE DISEÑO Min	0	-2.6859	-1.0463	-1.608	-1.2421	-0.4414	-0.8578	392
PISO 3A	B38	392	ENVE DISEÑO Min	0.2333	-2.6859	-0.7526	-1.608	-1.2421	-0.7801	-1.0268	392

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3A	B38	392	ENVE DISEÑO Min	0.4667	-2.6859	-0.5638	-1.608	-1.2421	-1.1189	-1.2713	392
PISO 3A	B38	392	ENVE DISEÑO Min	0.7	-2.6859	-0.3751	-1.608	-1.2421	-1.4576	-1.5913	392
PISO 3A	B39	393	ENVE DISEÑO Max	0	9.9146	-3.2264	0.0029	0.0483	0.0838	-0.8091	393
PISO 3A	B39	393	ENVE DISEÑO Max	2.4667	9.9146	-1.2313	0.0029	0.0483	0.0902	7.3178	393
PISO 3A	B39	393	ENVE DISEÑO Max	4.9333	9.9146	0.9941	0.0029	0.0483	0.0966	10.3326	393
PISO 3A	B39	393	ENVE DISEÑO Max	7.4	9.9146	4.4954	0.0029	0.0483	0.103	4.6396	393
PISO 3A	B39	393	ENVE DISEÑO Min	0	-8.2903	-7.1107	-0.0026	-0.0446	-0.0907	-7.1685	393
PISO 3A	B39	393	ENVE DISEÑO Min	2.4667	-8.2903	-3.3034	-0.0026	-0.0446	-0.0979	2.5633	393
PISO 3A	B39	393	ENVE DISEÑO Min	4.9333	-8.2903	-0.1183	-0.0026	-0.0446	-0.105	5.2643	393
PISO 3A	B39	393	ENVE DISEÑO Min	7.4	-8.2903	1.8767	-0.0026	-0.0446	-0.1121	0.9211	393
PISO 3A	B40	394	ENVE DISEÑO Max	0	9.8078	4.4954	0.0028	0.0483	0.1031	4.6396	394
PISO 3A	B40	394	ENVE DISEÑO Max	0.5333	9.8078	5.3319	0.0028	0.0483	0.1044	2.5613	394
PISO 3A	B40	394	ENVE DISEÑO Max	1.0667	9.8078	6.1684	0.0028	0.0483	0.1058	0.6852	394
PISO 3A	B40	394	ENVE DISEÑO Max	1.6	9.8078	7.0049	0.0028	0.0483	0.1071	-0.8909	394
PISO 3A	B40	394	ENVE DISEÑO Min	0	-8.1835	1.8767	-0.0025	-0.0446	-0.1122	0.9211	394
PISO 3A	B40	394	ENVE DISEÑO Min	0.5333	-8.1835	2.3081	-0.0025	-0.0446	-0.1137	-0.6653	394
PISO 3A	B40	394	ENVE DISEÑO Min	1.0667	-8.1835	2.7394	-0.0025	-0.0446	-0.1152	-3.0778	394
PISO 3A	B40	394	ENVE DISEÑO Min	1.6	-8.1835	3.1708	-0.0025	-0.0446	-0.1167	-6.4142	394
PISO 3A	B41	395	ENVE DISEÑO Max	0	5.8626	3.6239	81.4809	1.3051	6.485	0.8998	395
PISO 3A	B41	395	ENVE DISEÑO Max	0.1333	5.8626	4.3875	81.4809	1.3051	16.1942	0.7924	395
PISO 3A	B41	395	ENVE DISEÑO Max	0.2667	5.8626	5.1512	81.4809	1.3051	25.9035	0.5887	395
PISO 3A	B41	395	ENVE DISEÑO Max	0.4	5.8626	5.9148	81.4809	1.3051	35.6127	0.4671	395
PISO 3A	B41	395	ENVE DISEÑO Min	0	-6.345	-0.1836	-72.8192	-2.7385	-7.2567	0.0491	395
PISO 3A	B41	395	ENVE DISEÑO Min	0.1333	-6.345	0.2542	-72.8192	-2.7385	-18.1207	-0.3823	395
PISO 3A	B41	395	ENVE DISEÑO Min	0.2667	-6.345	0.6919	-72.8192	-2.7385	-28.9849	-0.8776	395
PISO 3A	B41	395	ENVE DISEÑO Min	0.4	-6.345	1.1296	-72.8192	-2.7385	-39.849	-1.6152	395
PISO 3A	B46	400	ENVE DISEÑO Max	0	5.2169	1.3531	43.8592	3.3455	1.5822	0.1611	400
PISO 3A	B46	400	ENVE DISEÑO Max	0.1333	5.2169	2.2466	43.8592	3.3455	8.156	0.1442	400
PISO 3A	B46	400	ENVE DISEÑO Max	0.2667	5.2169	3.1401	43.8592	3.3455	14.7298	0.0852	400
PISO 3A	B46	400	ENVE DISEÑO Max	0.4	5.2169	4.0336	43.8592	3.3455	21.3036	-0.0421	400
PISO 3A	B46	400	ENVE DISEÑO Min	0	-4.6571	-0.329	-49.3035	-3.0573	-1.422	-0.0689	400
PISO 3A	B46	400	ENVE DISEÑO Min	0.1333	-4.6571	0.1845	-49.3035	-3.0573	-7.2699	-0.2823	400
PISO 3A	B46	400	ENVE DISEÑO Min	0.2667	-4.6571	0.698	-49.3035	-3.0573	-13.1178	-0.6413	400
PISO 3A	B46	400	ENVE DISEÑO Min	0.4	-4.6571	1.2115	-49.3035	-3.0573	-18.9657	-1.1195	400
PISO 3A	B53	408	ENVE DISEÑO Max	0	37.6174	1.0463	0.2421	0.8578	0.3862	-0.1938	408
PISO 3A	B53	408	ENVE DISEÑO Max	0.8167	37.6174	1.2229	0.2421	0.8578	0.1885	-0.3768	408
PISO 3A	B53	408	ENVE DISEÑO Max	1.6333	37.6174	1.3996	0.2421	0.8578	0.0114	0.0071	408
PISO 3A	B53	408	ENVE DISEÑO Max	2.45	37.6174	1.5762	0.2421	0.8578	0.1897	0.2829	408
PISO 3A	B53	408	ENVE DISEÑO Min	0	-34.0832	-0.669	-0.219	0.1833	-0.3468	-1.2421	408
PISO 3A	B53	408	ENVE DISEÑO Min	0.8167	-34.0832	-0.5365	-0.219	0.1833	-0.168	-1.4935	408
PISO 3A	B53	408	ENVE DISEÑO Min	1.6333	-34.0832	-0.4041	-0.219	0.1833	-0.0098	-2.5641	408
PISO 3A	B53	408	ENVE DISEÑO Min	2.45	-34.0832	-0.2716	-0.219	0.1833	-0.2071	-3.7791	408
PISO 3A	B54	409	ENVE DISEÑO Max	0	18.2765	-0.087	0.0022	0.1611	0.0263	1.5827	409
PISO 3A	B54	409	ENVE DISEÑO Max	2.7833	18.2765	0.3644	0.0022	0.1611	0.0202	1.1968	409
PISO 3A	B54	409	ENVE DISEÑO Max	5.5667	18.2765	0.8159	0.0022	0.1611	0.0142	1.5433	409

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3A	B54	409	ENVE DISEÑO Max	8.35	18.2765	1.3531	0.0022	0.1611	0.0082	3.0573	409
PISO 3A	B54	409	ENVE DISEÑO Min	0	-21.0264	-2.0489	-0.0018	-0.0689	-0.0211	-6.5123	409
PISO 3A	B54	409	ENVE DISEÑO Min	2.7833	-21.0264	-1.447	-0.0018	-0.0689	-0.0161	-1.6475	409
PISO 3A	B54	409	ENVE DISEÑO Min	5.5667	-21.0264	-0.8451	-0.0018	-0.0689	-0.011	-0.4468	409
PISO 3A	B54	409	ENVE DISEÑO Min	8.35	-21.0264	-0.329	-0.0018	-0.0689	-0.0061	-3.3455	409
PISO 3A	B67	417	ENVE DISEÑO Max	0	6.2644	7.0049	0.9903	-0.8909	2.6894	0.0446	417
PISO 3A	B67	417	ENVE DISEÑO Max	0.75	6.2644	7.3293	0.9903	-0.8909	3.5136	-2.4257	417
PISO 3A	B67	417	ENVE DISEÑO Max	1.5	6.2644	7.6536	0.9903	-0.8909	4.3379	-5.0775	417
PISO 3A	B67	417	ENVE DISEÑO Max	2.25	6.2644	7.978	0.9903	-0.8909	5.1622	-7.9118	417
PISO 3A	B67	417	ENVE DISEÑO Min	0	-5.3571	3.1708	-1.0991	-6.4142	-2.418	-0.0483	417
PISO 3A	B67	417	ENVE DISEÑO Min	0.75	-5.3571	3.4141	-1.0991	-6.4142	-3.1607	-5.3784	417
PISO 3A	B67	417	ENVE DISEÑO Min	1.5	-5.3571	3.6574	-1.0991	-6.4142	-3.9034	-10.997	417
PISO 3A	B67	417	ENVE DISEÑO Min	2.25	-5.3571	3.9006	-1.0991	-6.4142	-4.6462	-16.8589	417
PISO 3A	B68	418	ENVE DISEÑO Max	0.2	9.0072	-1.0993	0.0249	0.3484	1.0444	-1.412	418
PISO 3A	B68	418	ENVE DISEÑO Max	2.9167	9.0072	-0.218	0.0249	0.3484	1.1086	0.3971	418
PISO 3A	B68	418	ENVE DISEÑO Max	5.6333	9.0072	0.6632	0.0249	0.3484	1.1728	1.4556	418
PISO 3A	B68	418	ENVE DISEÑO Max	8.35	9.0072	1.7442	0.0249	0.3484	1.2371	0.956	418
PISO 3A	B68	418	ENVE DISEÑO Min	0.2	-7.5622	-2.7586	-0.0238	-1.1765	-1.192	-7.1799	418
PISO 3A	B68	418	ENVE DISEÑO Min	2.9167	-7.5622	-1.5837	-0.0238	-1.1765	-1.2592	-1.3014	418
PISO 3A	B68	418	ENVE DISEÑO Min	5.6333	-7.5622	-0.4087	-0.0238	-1.1765	-1.3264	-0.2582	418
PISO 3A	B68	418	ENVE DISEÑO Min	8.35	-7.5622	0.5664	-0.0238	-1.1765	-1.3937	-3.2428	418
PISO 3A	B70	419	ENVE DISEÑO Max	0	10.5811	-0.0656	0.6496	0.1424	1.3347	0.0977	419-1
PISO 3A	B70	419	ENVE DISEÑO Max	1.8	10.5811	0.4801	0.6496	0.1424	0.1912	0.2191	419-1
PISO 3A	B70	419	ENVE DISEÑO Max	2.45	10.5811	0.7144	0.6496	0.1424	0.2618	0.2355	419-1
PISO 3A	B70	419	ENVE DISEÑO Max	2.45	2.5616	-0.2851	0.109	0.3537	0.2228	-0.0319	419-2
PISO 3A	B70	419	ENVE DISEÑO Max	3.6	2.5616	0.0257	0.109	0.3537	0.1069	0.1721	419-2
PISO 3A	B70	419	ENVE DISEÑO Max	5.4	2.5616	0.6236	0.109	0.3537	0.1276	0.1242	419-2
PISO 3A	B70	419	ENVE DISEÑO Min	0	-10.2145	-0.7061	-0.5772	-0.2327	-1.1743	-0.4792	419-1
PISO 3A	B70	419	ENVE DISEÑO Min	1.8	-10.2145	-0.1165	-0.5772	-0.2327	-0.1612	-0.2334	419-1
PISO 3A	B70	419	ENVE DISEÑO Min	2.45	-10.2145	0.0592	-0.5772	-0.2327	-0.2788	-0.6193	419-1
PISO 3A	B70	419	ENVE DISEÑO Min	2.45	-2.0251	-0.7502	-0.1132	-0.2895	-0.2297	-0.5625	419-2
PISO 3A	B70	419	ENVE DISEÑO Min	3.6	-2.0251	-0.3357	-0.1132	-0.2895	-0.1089	0.007	419-2
PISO 3A	B70	419	ENVE DISEÑO Min	5.4	-2.0251	0.2017	-0.1132	-0.2895	-0.1219	-0.4088	419-2
PISO 3A	B79	396	ENVE DISEÑO Max	0.3	10.0346	-10.2715	0.0537	0.874	2.4363	-2.3714	396
PISO 3A	B79	396	ENVE DISEÑO Max	3.1	10.0346	-1.0794	0.0537	0.874	2.6013	20.1066	396
PISO 3A	B79	396	ENVE DISEÑO Max	5.9	10.0346	11.5776	0.0537	0.874	2.7664	19.7334	396
PISO 3A	B79	396	ENVE DISEÑO Max	8.7	10.0346	27.6137	0.0537	0.874	2.9315	-3.0293	396
PISO 3A	B79	396	ENVE DISEÑO Min	0.3	-17.6168	-27.3833	-0.0591	-0.8352	-2.1468	-43.811	396
PISO 3A	B79	396	ENVE DISEÑO Min	3.1	-17.6168	-11.3472	-0.0591	-0.8352	-2.2965	3.8251	396
PISO 3A	B79	396	ENVE DISEÑO Min	5.9	-17.6168	1.224	-0.0591	-0.8352	-2.4463	3.6733	396
PISO 3A	B79	396	ENVE DISEÑO Min	8.7	-17.6168	10.4161	-0.0591	-0.8352	-2.5961	-44.728	396
PISO 3A	B28	402	ENVE DISEÑO Max	0	3.9506	-2.4051	0.0606	0.3228	1.1264	-1.1028	402-1
PISO 3A	B28	402	ENVE DISEÑO Max	1.1333	3.9506	0.604	0.0606	0.3228	1.0578	0.3941	402-1
PISO 3A	B28	402	ENVE DISEÑO Max	1.8	3.9506	3.7376	0.0606	0.3228	1.0174	-0.2144	402-1
PISO 3A	B28	402	ENVE DISEÑO Max	1.8	4.8332	-1.5074	0.0179	0.3131	1.0911	-0.0837	402-2

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3A	B28	402	ENVE DISEÑO Max	2.2667	4.8332	-0.3276	0.0179	0.3131	1.0981	0.47	402-2
PISO 3A	B28	402	ENVE DISEÑO Max	3.4	4.8332	4.039	0.0179	0.3131	1.1152	-0.1255	402-2
PISO 3A	B28	402	ENVE DISEÑO Min	0	-2.9053	-5.3359	-0.0671	-0.3431	-1.2816	-2.5449	402-1
PISO 3A	B28	402	ENVE DISEÑO Min	1.1333	-2.9053	-0.0899	-0.0671	-0.3431	-1.2056	-0.0292	402-1
PISO 3A	B28	402	ENVE DISEÑO Min	1.8	-2.9053	1.5955	-0.0671	-0.3431	-1.1609	-1.3063	402-1
PISO 3A	B28	402	ENVE DISEÑO Min	1.8	-3.9259	-4.03	-0.0152	-0.3867	-1.2437	-1.2848	402-2
PISO 3A	B28	402	ENVE DISEÑO Min	2.2667	-3.9259	-1.9626	-0.0152	-0.3867	-1.252	-0.0137	402-2
PISO 3A	B28	402	ENVE DISEÑO Min	3.4	-3.9259	1.5393	-0.0152	-0.3867	-1.2721	-1.2816	402-2
PISO 3A	B34	401	ENVE DISEÑO Max	0.3	5.0137	-7.7775	0.046	0.9005	1.2031	-2.2658	401
PISO 3A	B34	401	ENVE DISEÑO Max	2.0667	5.0137	-0.9738	0.046	0.9005	1.1221	8.6085	401
PISO 3A	B34	401	ENVE DISEÑO Max	3.8333	5.0137	8.8906	0.046	0.9005	1.0411	6.8127	401
PISO 3A	B34	401	ENVE DISEÑO Max	5.6	5.0137	21.6948	0.046	0.9005	0.9601	-5.6442	401
PISO 3A	B34	401	ENVE DISEÑO Min	0.3	-4.4196	-18.8018	-0.0514	-0.7452	-1.3652	-15.6785	401
PISO 3A	B34	401	ENVE DISEÑO Min	2.0667	-4.4196	-6.3651	-0.0514	-0.7452	-1.2745	2.8799	401
PISO 3A	B34	401	ENVE DISEÑO Min	3.8333	-4.4196	2.4129	-0.0514	-0.7452	-1.1838	1.1738	401
PISO 3A	B34	401	ENVE DISEÑO Min	5.6	-4.4196	9.2166	-0.0514	-0.7452	-1.0932	-22.8062	401
PISO 3A	B162	2	ENVE DISEÑO Max	0	17.6328	-0.1007	1.3376	0.1336	2.6976	0.1809	2-1
PISO 3A	B162	2	ENVE DISEÑO Max	1.8	17.6328	0.5826	1.3376	0.1336	0.4123	0.1518	2-1
PISO 3A	B162	2	ENVE DISEÑO Max	2.45	17.6328	0.8637	1.3376	0.1336	0.6292	0.0678	2-1
PISO 3A	B162	2	ENVE DISEÑO Max	2.45	3.6013	-0.3259	0.1385	0.5067	0.4119	-0.046	2-2
PISO 3A	B162	2	ENVE DISEÑO Max	3.6	3.6013	0.0471	0.1385	0.5067	0.2568	0.1787	2-2
PISO 3A	B162	2	ENVE DISEÑO Max	5.4	3.6013	0.775	0.1385	0.5067	0.1591	0.1408	2-2
PISO 3A	B162	2	ENVE DISEÑO Min	0	-15.468	-0.6687	-1.3083	-0.4631	-2.6866	-0.4007	2-1
PISO 3A	B162	2	ENVE DISEÑO Min	1.8	-15.468	0.0103	-1.3083	-0.4631	-0.454	-0.2127	2-1
PISO 3A	B162	2	ENVE DISEÑO Min	2.45	-15.468	0.2212	-1.3083	-0.4631	-0.69	-0.674	2-1
PISO 3A	B162	2	ENVE DISEÑO Min	2.45	-3.4491	-0.8603	-0.2177	-0.644	-0.4958	-0.6176	2-2
PISO 3A	B162	2	ENVE DISEÑO Min	3.6	-3.4491	-0.3629	-0.2177	-0.644	-0.2495	0.0214	2-2
PISO 3A	B162	2	ENVE DISEÑO Min	5.4	-3.4491	0.2715	-0.2177	-0.644	-0.0091	-0.5983	2-2
PISO 3	B5	53	ENVE DISEÑO Max	0.275	2.5785	4.7125	0.1058	0.2399	0.138	5.4602	53
PISO 3	B5	53	ENVE DISEÑO Max	1.0667	2.5785	4.9693	0.1058	0.2399	0.0566	1.6373	53
PISO 3	B5	53	ENVE DISEÑO Max	1.8583	2.5785	5.2261	0.1058	0.2399	0.0366	2.0496	53
PISO 3	B5	53	ENVE DISEÑO Max	2.65	2.5785	5.4829	0.1058	0.2399	0.1166	8.0128	53
PISO 3	B5	53	ENVE DISEÑO Min	0.275	-0.7598	-8.7099	-0.1061	-0.3201	-0.1384	-11.4646	53
PISO 3	B5	53	ENVE DISEÑO Min	1.0667	-0.7598	-8.3675	-0.1061	-0.3201	-0.0568	-4.7143	53
PISO 3	B5	53	ENVE DISEÑO Min	1.8583	-0.7598	-8.0252	-0.1061	-0.3201	-0.0366	-2.6735	53
PISO 3	B5	53	ENVE DISEÑO Min	2.65	-0.7598	-7.6828	-0.1061	-0.3201	-0.1163	-6.658	53
PISO 3	B6	66	ENVE DISEÑO Max	0.2	4.4185	0.8228	0.0065	0.2358	0.0274	3.7748	66
PISO 3	B6	66	ENVE DISEÑO Max	2	4.4185	1.425	0.0065	0.2358	0.0177	1.9135	66
PISO 3	B6	66	ENVE DISEÑO Max	3.8	4.4185	2.2035	0.0065	0.2358	0.0117	1.7255	66
PISO 3	B6	66	ENVE DISEÑO Max	5.6	4.4185	2.982	0.0065	0.2358	0.0146	2.9629	66
PISO 3	B6	66	ENVE DISEÑO Min	0.2	-3.7097	-2.3388	-0.0078	-0.3273	-0.0381	-3.9878	66
PISO 3	B6	66	ENVE DISEÑO Min	2	-3.7097	-1.5786	-0.0078	-0.3273	-0.0261	-0.6239	66
PISO 3	B6	66	ENVE DISEÑO Min	3.8	-3.7097	-0.9948	-0.0078	-0.3273	-0.0177	-1.3855	66
PISO 3	B6	66	ENVE DISEÑO Min	5.6	-3.7097	-0.4109	-0.0078	-0.3273	-0.0182	-6.0248	66
PISO 3	B7	67	ENVE DISEÑO Max	0.2	4.653	0.9896	0.0078	0.2744	0.0433	4.1415	67

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B7	67	ENVE DISEÑO Max	2	4.653	1.5735	0.0078	0.2744	0.0297	1.9938	67
PISO 3	B7	67	ENVE DISEÑO Max	3.8	4.653	2.3063	0.0078	0.2744	0.0169	1.9497	67
PISO 3	B7	67	ENVE DISEÑO Max	5.6	4.653	3.0848	0.0078	0.2744	0.0096	3.8096	67
PISO 3	B7	67	ENVE DISEÑO Min	0.2	-4.1541	-2.7682	-0.0076	-0.3206	-0.0399	-5.2629	67
PISO 3	B7	67	ENVE DISEÑO Min	2	-4.1541	-1.9897	-0.0076	-0.3206	-0.0267	-1.1399	67
PISO 3	B7	67	ENVE DISEÑO Min	3.8	-4.1541	-1.3601	-0.0076	-0.3206	-0.0142	-1.5728	67
PISO 3	B7	67	ENVE DISEÑO Min	5.6	-4.1541	-0.7762	-0.0076	-0.3206	-0.0073	-6.362	67
PISO 3	B8	68	ENVE DISEÑO Max	0.2	3.5522	1.1638	0.0034	0.3171	0.0153	4.6973	68
PISO 3	B8	68	ENVE DISEÑO Max	2	3.5522	1.7477	0.0034	0.3171	0.0113	2.1963	68
PISO 3	B8	68	ENVE DISEÑO Max	3.8	3.5522	2.4669	0.0034	0.3171	0.0096	2.0424	68
PISO 3	B8	68	ENVE DISEÑO Max	5.6	3.5522	3.2454	0.0034	0.3171	0.0111	4.3824	68
PISO 3	B8	68	ENVE DISEÑO Min	0.2	-3.2219	-3.042	-0.0035	-0.3038	-0.0185	-6.1063	68
PISO 3	B8	68	ENVE DISEÑO Min	2	-3.2219	-2.2635	-0.0035	-0.3038	-0.0143	-1.4508	68
PISO 3	B8	68	ENVE DISEÑO Min	3.8	-3.2219	-1.6203	-0.0035	-0.3038	-0.0123	-1.5947	68
PISO 3	B8	68	ENVE DISEÑO Min	5.6	-3.2219	-1.0364	-0.0035	-0.3038	-0.0136	-6.6848	68
PISO 3	B9	69	ENVE DISEÑO Max	0.2	2.6968	1.1434	0.0029	0.2517	0.0167	4.6973	69
PISO 3	B9	69	ENVE DISEÑO Max	2	2.6968	1.7272	0.0029	0.2517	0.0119	2.2345	69
PISO 3	B9	69	ENVE DISEÑO Max	3.8	2.6968	2.4432	0.0029	0.2517	0.0076	2.0106	69
PISO 3	B9	69	ENVE DISEÑO Max	5.6	2.6968	3.2217	0.0029	0.2517	0.0056	4.3322	69
PISO 3	B9	69	ENVE DISEÑO Min	0.2	-2.3584	-3.0388	-0.0031	-0.2749	-0.016	-6.1266	69
PISO 3	B9	69	ENVE DISEÑO Min	2	-2.3584	-2.2603	-0.0031	-0.2749	-0.0108	-1.4781	69
PISO 3	B9	69	ENVE DISEÑO Min	3.8	-2.3584	-1.6139	-0.0031	-0.2749	-0.0062	-1.5208	69
PISO 3	B9	69	ENVE DISEÑO Min	5.6	-2.3584	-1.0301	-0.0031	-0.2749	-0.0039	-6.5612	69
PISO 3	B14	74	ENVE DISEÑO Max	0.2	4.1031	0.0447	0.0055	0.3931	0.0388	1.6498	74
PISO 3	B14	74	ENVE DISEÑO Max	2	4.1031	0.6286	0.0055	0.3931	0.0301	1.2368	74
PISO 3	B14	74	ENVE DISEÑO Max	3.8	4.1031	1.3891	0.0055	0.3931	0.0227	1.0612	74
PISO 3	B14	74	ENVE DISEÑO Max	5.6	4.1031	2.1676	0.0055	0.3931	0.0184	1.1132	74
PISO 3	B14	74	ENVE DISEÑO Min	0.2	-4.6869	-1.7282	-0.0057	-0.4595	-0.0352	-2.3613	74
PISO 3	B14	74	ENVE DISEÑO Min	2	-4.6869	-0.9497	-0.0057	-0.4595	-0.0262	-0.1441	74
PISO 3	B14	74	ENVE DISEÑO Min	3.8	-4.6869	-0.3478	-0.0057	-0.4595	-0.0184	-0.6166	74
PISO 3	B14	74	ENVE DISEÑO Min	5.6	-4.6869	0.236	-0.0057	-0.4595	-0.0138	-3.7689	74
PISO 3	B15	75	ENVE DISEÑO Max	0.2	3.7752	0.3237	0.0048	0.3042	0.0193	2.2044	75
PISO 3	B15	75	ENVE DISEÑO Max	2	3.7752	0.9075	0.0048	0.3042	0.0138	1.2243	75
PISO 3	B15	75	ENVE DISEÑO Max	3.8	3.7752	1.6191	0.0048	0.3042	0.0122	1.5574	75
PISO 3	B15	75	ENVE DISEÑO Max	5.6	3.7752	2.3976	0.0048	0.3042	0.0157	2.327	75
PISO 3	B15	75	ENVE DISEÑO Min	0.2	-3.795	-2.188	-0.0051	-0.3247	-0.0242	-3.5253	75
PISO 3	B15	75	ENVE DISEÑO Min	2	-3.795	-1.4095	-0.0051	-0.3247	-0.018	-0.4155	75
PISO 3	B15	75	ENVE DISEÑO Min	3.8	-3.795	-0.7587	-0.0051	-0.3247	-0.0157	-1.0711	75
PISO 3	B15	75	ENVE DISEÑO Min	5.6	-3.795	-0.1748	-0.0051	-0.3247	-0.0186	-4.6155	75
PISO 3	B16	76	ENVE DISEÑO Max	0.2	2.2519	0.5912	0.0034	0.2899	0.0214	3.1456	76
PISO 3	B16	76	ENVE DISEÑO Max	2	2.2519	1.175	0.0034	0.2899	0.0156	1.6381	76
PISO 3	B16	76	ENVE DISEÑO Max	3.8	2.2519	1.8579	0.0034	0.2899	0.0101	1.6356	76
PISO 3	B16	76	ENVE DISEÑO Max	5.6	2.2519	2.6364	0.0034	0.2899	0.0063	3.1046	76
PISO 3	B16	76	ENVE DISEÑO Min	0.2	-2.2672	-2.61	-0.0033	-0.3413	-0.0193	-4.958	76
PISO 3	B16	76	ENVE DISEÑO Min	2	-2.2672	-1.8315	-0.0033	-0.3413	-0.0136	-1.0427	76

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B16	76	ENVE DISEÑO Min	3.8	-2.2672	-1.152	-0.0033	-0.3413	-0.0083	-1.0846	76
PISO 3	B16	76	ENVE DISEÑO Min	5.6	-2.2672	-0.5681	-0.0033	-0.3413	-0.0046	-5.0503	76
PISO 3	B17	77	ENVE DISEÑO Max	0.2	1.4957	0.56	0.0034	0.2594	0.0152	3.1331	77
PISO 3	B17	77	ENVE DISEÑO Max	2	1.4957	1.1439	0.0034	0.2594	0.0103	1.6903	77
PISO 3	B17	77	ENVE DISEÑO Max	3.8	1.4957	1.8136	0.0034	0.2594	0.0072	1.7318	77
PISO 3	B17	77	ENVE DISEÑO Max	5.6	1.4957	2.5921	0.0034	0.2594	0.008	3.2347	77
PISO 3	B17	77	ENVE DISEÑO Min	0.2	-1.6437	-2.6599	-0.0035	-0.2999	-0.0181	-5.0414	77
PISO 3	B17	77	ENVE DISEÑO Min	2	-1.6437	-1.8814	-0.0035	-0.2999	-0.013	-1.0448	77
PISO 3	B17	77	ENVE DISEÑO Min	3.8	-1.6437	-1.1887	-0.0035	-0.2999	-0.0097	-2.985	77
PISO 3	B17	77	ENVE DISEÑO Min	5.6	-1.6437	-0.6049	-0.0035	-0.2999	-0.0104	-4.8388	77
PISO 3	B20	80	ENVE DISEÑO Max	0.25	4.2673	-3.6632	0.0077	0.1308	0.0114	4.8005	80
PISO 3	B20	80	ENVE DISEÑO Max	2.0833	4.2673	1.5347	0.0077	0.1308	0.0127	8.4165	80
PISO 3	B20	80	ENVE DISEÑO Max	3.9167	4.2673	8.3778	0.0077	0.1308	0.0219	6.9977	80
PISO 3	B20	80	ENVE DISEÑO Max	5.75	4.2673	16.4642	0.0077	0.1308	0.0332	2.9036	80
PISO 3	B20	80	ENVE DISEÑO Min	0.25	-4.1966	-15.6724	-0.0068	-0.1613	-0.0161	-20.7118	80
PISO 3	B20	80	ENVE DISEÑO Min	2.0833	-4.1966	-7.5571	-0.0068	-0.1613	-0.019	-1.083	80
PISO 3	B20	80	ENVE DISEÑO Min	3.9167	-4.1966	-1.087	-0.0068	-0.1613	-0.0299	-0.8269	80
PISO 3	B20	80	ENVE DISEÑO Min	5.75	-4.1966	4.0967	-0.0068	-0.1613	-0.0428	-22.3008	80
PISO 3	B21	81	ENVE DISEÑO Max	0.25	2.176	-3.8732	0.0084	0.3223	0.0393	12.0446	81
PISO 3	B21	81	ENVE DISEÑO Max	2.0833	2.176	4.2753	0.0084	0.3223	0.0433	13.9276	81
PISO 3	B21	81	ENVE DISEÑO Max	3.9167	2.176	14.764	0.0084	0.3223	0.0511	12.4026	81
PISO 3	B21	81	ENVE DISEÑO Max	5.75	2.176	26.6919	0.0084	0.3223	0.0611	9.3891	81
PISO 3	B21	81	ENVE DISEÑO Min	0.25	-1.0091	-24.7234	-0.0074	-0.3511	-0.0271	-34.5146	81
PISO 3	B21	81	ENVE DISEÑO Min	2.0833	-1.0091	-12.7955	-0.0074	-0.3511	-0.033	-2.3738	81
PISO 3	B21	81	ENVE DISEÑO Min	3.9167	-1.0091	-3.208	-0.0074	-0.3511	-0.0427	-3.6316	81
PISO 3	B21	81	ENVE DISEÑO Min	5.75	-1.0091	4.9404	-0.0074	-0.3511	-0.0547	-40.2074	81
PISO 3	B22	82	ENVE DISEÑO Max	0	0.3157	1.0388	0.2788	1.4016	0.0851	0.0293	82
PISO 3	B22	82	ENVE DISEÑO Max	0.15	0.3157	1.7027	0.2788	1.4016	0.111	-0.0513	82
PISO 3	B22	82	ENVE DISEÑO Max	0.3	0.3157	2.3667	0.2788	1.4016	0.143	-0.1672	82
PISO 3	B22	82	ENVE DISEÑO Max	0.45	0.3157	3.0307	0.2788	1.4016	0.1778	-0.3456	82
PISO 3	B22	82	ENVE DISEÑO Min	0	-0.6423	0.1214	-0.2598	-1.3831	-0.0883	-0.0211	82
PISO 3	B22	82	ENVE DISEÑO Min	0.15	-0.6423	0.5467	-0.2598	-1.3831	-0.1171	-0.1962	82
PISO 3	B22	82	ENVE DISEÑO Min	0.3	-0.6423	0.972	-0.2598	-1.3831	-0.152	-0.4994	82
PISO 3	B22	82	ENVE DISEÑO Min	0.45	-0.6423	1.3972	-0.2598	-1.3831	-0.1896	-0.9035	82
PISO 3	B24	84	ENVE DISEÑO Max	0	1.1432	1.5503	0.5675	2.4731	0.0848	0.0086	84
PISO 3	B24	84	ENVE DISEÑO Max	0.15	1.1432	2.5874	0.5675	2.4731	0.1531	-0.1714	84
PISO 3	B24	84	ENVE DISEÑO Max	0.3	1.1432	3.6244	0.5675	2.4731	0.2262	-0.4487	84
PISO 3	B24	84	ENVE DISEÑO Max	0.45	1.1432	4.6615	0.5675	2.4731	0.3003	-0.8257	84
PISO 3	B24	84	ENVE DISEÑO Min	0	-1.2358	0.845	-0.4996	-1.9169	-0.0746	-0.0151	84
PISO 3	B24	84	ENVE DISEÑO Min	0.15	-1.2358	1.5117	-0.4996	-1.9169	-0.1532	-0.3155	84
PISO 3	B24	84	ENVE DISEÑO Min	0.3	-1.2358	2.1783	-0.4996	-1.9169	-0.2364	-0.7814	84
PISO 3	B24	84	ENVE DISEÑO Min	0.45	-1.2358	2.845	-0.4996	-1.9169	-0.3207	-1.4029	84
PISO 3	B26	87	ENVE DISEÑO Max	0	0.8383	1.4829	0.2485	2.6967	0.0528	0.0009	87
PISO 3	B26	87	ENVE DISEÑO Max	0.15	0.8383	2.5443	0.2485	2.6967	0.0722	-0.182	87
PISO 3	B26	87	ENVE DISEÑO Max	0.3	0.8383	3.6058	0.2485	2.6967	0.1071	-0.4642	87

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B26	87	ENVE DISEÑO Max	0.45	0.8383	4.6672	0.2485	2.6967	0.147	-0.8486	87
PISO 3	B26	87	ENVE DISEÑO Min	0	-0.9371	0.856	-0.2949	-2.4489	-0.0493	-0.0101	87
PISO 3	B26	87	ENVE DISEÑO Min	0.15	-0.9371	1.5384	-0.2949	-2.4489	-0.0618	-0.3079	87
PISO 3	B26	87	ENVE DISEÑO Min	0.3	-0.9371	2.2207	-0.2949	-2.4489	-0.0896	-0.7692	87
PISO 3	B26	87	ENVE DISEÑO Min	0.45	-0.9371	2.9031	-0.2949	-2.4489	-0.1226	-1.3897	87
PISO 3	B27	88	ENVE DISEÑO Max	0.25	0.8725	-1.9665	0.0095	0.3381	0.0433	17.7885	88
PISO 3	B27	88	ENVE DISEÑO Max	2.0833	0.8725	6.3733	0.0095	0.3381	0.0282	16.1233	88
PISO 3	B27	88	ENVE DISEÑO Max	3.9167	0.8725	17.1757	0.0095	0.3381	0.0172	14.3236	88
PISO 3	B27	88	ENVE DISEÑO Max	5.75	0.8725	29.3588	0.0095	0.3381	0.0183	14.5322	88
PISO 3	B27	88	ENVE DISEÑO Min	0.25	-0.1011	-26.9416	-0.0094	-0.388	-0.0494	-39.791	88
PISO 3	B27	88	ENVE DISEÑO Min	2.0833	-0.1011	-14.7585	-0.0094	-0.388	-0.0344	-3.9404	88
PISO 3	B27	88	ENVE DISEÑO Min	3.9167	-0.1011	-5.038	-0.0094	-0.388	-0.0235	-5.5805	88
PISO 3	B27	88	ENVE DISEÑO Min	5.75	-0.1011	3.3019	-0.0094	-0.388	-0.0248	-46.8544	88
PISO 3	B29	90	ENVE DISEÑO Max	0	0.6014	1.4545	0.3494	2.7136	0.0503	0.0129	90
PISO 3	B29	90	ENVE DISEÑO Max	0.1417	0.6014	2.457	0.3494	2.7136	0.0884	-0.1621	90
PISO 3	B29	90	ENVE DISEÑO Max	0.2833	0.6014	3.4594	0.3494	2.7136	0.1295	-0.4267	90
PISO 3	B29	90	ENVE DISEÑO Max	0.425	0.6014	4.4619	0.3494	2.7136	0.1715	-0.7824	90
PISO 3	B29	90	ENVE DISEÑO Min	0	-0.6924	0.8984	-0.3025	-2.5134	-0.052	-0.0075	90
PISO 3	B29	90	ENVE DISEÑO Min	0.1417	-0.6924	1.5428	-0.3025	-2.5134	-0.0967	-0.2737	90
PISO 3	B29	90	ENVE DISEÑO Min	0.2833	-0.6924	2.1872	-0.3025	-2.5134	-0.1445	-0.6928	90
PISO 3	B29	90	ENVE DISEÑO Min	0.425	-0.6924	2.8317	-0.3025	-2.5134	-0.1931	-1.2539	90
PISO 3	B30	91	ENVE DISEÑO Max	0.275	1.4092	0.7984	0.0062	0.3505	0.0225	24.8536	91
PISO 3	B30	91	ENVE DISEÑO Max	2.0917	1.4092	9.0624	0.0062	0.3505	0.0194	18.25	91
PISO 3	B30	91	ENVE DISEÑO Max	3.9083	1.4092	19.8181	0.0062	0.3505	0.023	16.2153	91
PISO 3	B30	91	ENVE DISEÑO Max	5.725	1.4092	31.8905	0.0062	0.3505	0.0308	21.1217	91
PISO 3	B30	91	ENVE DISEÑO Min	0.275	-0.3986	-29.1935	-0.006	-0.3851	-0.0171	-45.9917	91
PISO 3	B30	91	ENVE DISEÑO Min	2.0917	-0.3986	-17.1212	-0.006	-0.3851	-0.0144	-6.2759	91
PISO 3	B30	91	ENVE DISEÑO Min	3.9083	-0.3986	-7.5406	-0.006	-0.3851	-0.0185	-8.0732	91
PISO 3	B30	91	ENVE DISEÑO Min	5.725	-0.3986	0.7234	-0.006	-0.3851	-0.0267	-53.756	91
PISO 3	B32	93	ENVE DISEÑO Max	0	0.3652	1.5062	0.2258	2.8163	0.0618	0.0024	93
PISO 3	B32	93	ENVE DISEÑO Max	0.1417	0.3652	2.4856	0.2258	2.8163	0.0885	-0.1574	93
PISO 3	B32	93	ENVE DISEÑO Max	0.2833	0.3652	3.4651	0.2258	2.8163	0.1192	-0.4051	93
PISO 3	B32	93	ENVE DISEÑO Max	0.425	0.3652	4.4445	0.2258	2.8163	0.1515	-0.7418	93
PISO 3	B32	93	ENVE DISEÑO Min	0	-0.4045	0.8023	-0.2424	-2.6818	-0.0549	-0.0153	93
PISO 3	B32	93	ENVE DISEÑO Min	0.1417	-0.4045	1.432	-0.2424	-2.6818	-0.0793	-0.2906	93
PISO 3	B32	93	ENVE DISEÑO Min	0.2833	-0.4045	2.0616	-0.2424	-2.6818	-0.1076	-0.7121	93
PISO 3	B32	93	ENVE DISEÑO Min	0.425	-0.4045	2.6913	-0.2424	-2.6818	-0.1375	-1.2724	93
PISO 3	B33	94	ENVE DISEÑO Max	0.275	1.3832	3.2744	0.0095	0.3079	0.0288	30.9912	94
PISO 3	B33	94	ENVE DISEÑO Max	2.0917	1.3832	11.3488	0.0095	0.3079	0.0159	20.0854	94
PISO 3	B33	94	ENVE DISEÑO Max	3.9083	1.3832	21.9483	0.0095	0.3079	0.0147	17.8554	94
PISO 3	B33	94	ENVE DISEÑO Max	5.725	1.3832	33.7678	0.0095	0.3079	0.0264	26.7753	94
PISO 3	B33	94	ENVE DISEÑO Min	0.275	-0.5017	-30.7166	-0.009	-0.3904	-0.0315	-50.8044	94
PISO 3	B33	94	ENVE DISEÑO Min	2.0917	-0.5017	-18.8971	-0.009	-0.3904	-0.0197	-8.1154	94
PISO 3	B33	94	ENVE DISEÑO Min	3.9083	-0.5017	-9.6029	-0.009	-0.3904	-0.0194	-10.2427	94
PISO 3	B33	94	ENVE DISEÑO Min	5.725	-0.5017	-1.5286	-0.009	-0.3904	-0.0322	-59.6603	94

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B23	60	ENVE DISEÑO Max	0	1.1291	1.4992	0.6649	0.7166	0.0194	0.498	60
PISO 3	B23	60	ENVE DISEÑO Max	0.1417	1.1291	1.7754	0.6649	0.7166	0.1681	0.4908	60
PISO 3	B23	60	ENVE DISEÑO Max	0.2833	1.1291	2.0516	0.6649	0.7166	0.3268	0.4912	60
PISO 3	B23	60	ENVE DISEÑO Max	0.425	1.1291	2.3277	0.6649	0.7166	0.4859	0.4663	60
PISO 3	B23	60	ENVE DISEÑO Min	0	-1.1374	-0.7127	-1.1238	-1.5756	-0.0351	0.0307	60
PISO 3	B23	60	ENVE DISEÑO Min	0.1417	-1.1374	-0.5613	-1.1238	-1.5756	-0.1187	-0.1039	60
PISO 3	B23	60	ENVE DISEÑO Min	0.2833	-1.1374	-0.41	-1.1238	-1.5756	-0.2124	-0.3066	60
PISO 3	B23	60	ENVE DISEÑO Min	0.425	-1.1374	-0.2587	-1.1238	-1.5756	-0.3065	-0.5445	60
PISO 3	B56	64	ENVE DISEÑO Max	0	1.3723	0.3379	0.0056	0.0426	0.012	0.7644	64
PISO 3	B56	64	ENVE DISEÑO Max	0.95	1.3723	0.4919	0.0056	0.0426	0.0069	0.3714	64
PISO 3	B56	64	ENVE DISEÑO Max	1.9	1.3723	0.646	0.0056	0.0426	0.0023	-0.0349	64
PISO 3	B56	64	ENVE DISEÑO Max	2.85	1.3723	0.8001	0.0056	0.0426	0.0024	0.5267	64
PISO 3	B56	64	ENVE DISEÑO Min	0	-0.8257	-1.1614	-0.0028	-0.0484	-0.0065	-1.9591	64
PISO 3	B56	64	ENVE DISEÑO Min	0.95	-0.8257	-0.9559	-0.0028	-0.0484	-0.0039	-0.9546	64
PISO 3	B56	64	ENVE DISEÑO Min	1.9	-0.8257	-0.7505	-0.0028	-0.0484	-0.002	-0.2782	64
PISO 3	B56	64	ENVE DISEÑO Min	2.85	-0.8257	-0.5451	-0.0028	-0.0484	-0.0047	-0.9114	64
PISO 3	B57	115	ENVE DISEÑO Max	0	2.4261	-0.1037	0.0003	0.0389	0.0011	0.5292	115
PISO 3	B57	115	ENVE DISEÑO Max	1.9333	2.4261	0.2098	0.0003	0.0389	0.0008	0.5389	115
PISO 3	B57	115	ENVE DISEÑO Max	3.8667	2.4261	0.6118	0.0003	0.0389	0.0011	0.5888	115
PISO 3	B57	115	ENVE DISEÑO Max	5.8	2.4261	1.0299	0.0003	0.0389	0.0018	0.3492	115
PISO 3	B57	115	ENVE DISEÑO Min	0	-1.7575	-0.8014	-0.0006	-0.0529	-0.0026	-0.8953	115
PISO 3	B57	115	ENVE DISEÑO Min	1.9333	-1.7575	-0.3833	-0.0006	-0.0529	-0.002	0.1376	115
PISO 3	B57	115	ENVE DISEÑO Min	3.8667	-1.7575	-0.0536	-0.0006	-0.0529	-0.0018	-0.2842	115
PISO 3	B57	115	ENVE DISEÑO Min	5.8	-1.7575	0.2599	-0.0006	-0.0529	-0.002	-1.831	115
PISO 3	B58	116	ENVE DISEÑO Max	0	2.9819	-0.0362	0.0002	0.0444	0.0026	0.7775	116
PISO 3	B58	116	ENVE DISEÑO Max	1.9333	2.9819	0.2774	0.0002	0.0444	0.0022	0.6086	116
PISO 3	B58	116	ENVE DISEÑO Max	3.8667	2.9819	0.6539	0.0002	0.0444	0.0019	0.5882	116
PISO 3	B58	116	ENVE DISEÑO Max	5.8	2.9819	1.072	0.0002	0.0444	0.0017	0.6925	116
PISO 3	B58	116	ENVE DISEÑO Min	0	-2.8324	-1.0062	-0.0002	-0.0519	-0.0022	-1.7031	116
PISO 3	B58	116	ENVE DISEÑO Min	1.9333	-2.8324	-0.5881	-0.0002	-0.0519	-0.0019	-0.2262	116
PISO 3	B58	116	ENVE DISEÑO Min	3.8667	-2.8324	-0.233	-0.0002	-0.0519	-0.0017	-0.3122	116
PISO 3	B58	116	ENVE DISEÑO Min	5.8	-2.8324	0.0805	-0.0002	-0.0519	-0.0016	-1.9374	116
PISO 3	B59	117	ENVE DISEÑO Max	0	2.0855	-0.0016	0.0002	0.051	0.001	0.8967	117
PISO 3	B59	117	ENVE DISEÑO Max	1.9333	2.0855	0.3119	0.0002	0.051	0.0009	0.6523	117
PISO 3	B59	117	ENVE DISEÑO Max	3.8667	2.0855	0.6846	0.0002	0.051	0.0008	0.6269	117
PISO 3	B59	117	ENVE DISEÑO Max	5.8	2.0855	1.1027	0.0002	0.051	0.001	0.8475	117
PISO 3	B59	117	ENVE DISEÑO Min	0	-1.8191	-1.0699	-0.0002	-0.0493	-0.0012	-1.8939	117
PISO 3	B59	117	ENVE DISEÑO Min	1.9333	-1.8191	-0.6518	-0.0002	-0.0493	-0.0011	-0.2852	117
PISO 3	B59	117	ENVE DISEÑO Min	3.8667	-1.8191	-0.2928	-0.0002	-0.0493	-0.0011	-0.3099	117
PISO 3	B59	117	ENVE DISEÑO Min	5.8	-1.8191	0.0207	-0.0002	-0.0493	-0.0012	-1.9952	117
PISO 3	B60	118	ENVE DISEÑO Max	0	1.6079	-0.0311	0.0002	0.041	0.0005	0.8441	118
PISO 3	B60	118	ENVE DISEÑO Max	1.9333	1.6079	0.2824	0.0002	0.041	0.0007	0.6604	118
PISO 3	B60	118	ENVE DISEÑO Max	3.8667	1.6079	0.6572	0.0002	0.041	0.001	0.5628	118
PISO 3	B60	118	ENVE DISEÑO Max	5.8	1.6079	1.0753	0.0002	0.041	0.0014	0.705	118
PISO 3	B60	118	ENVE DISEÑO Min	0	-1.4747	-1.0269	-0.0002	-0.0446	-0.0005	-1.7915	118

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B60	118	ENVE DISEÑO Min	1.9333	-1.4747	-0.6089	-0.0002	-0.0446	-0.0007	-0.2695	118
PISO 3	B60	118	ENVE DISEÑO Min	3.8667	-1.4747	-0.252	-0.0002	-0.0446	-0.001	-0.248	118
PISO 3	B60	118	ENVE DISEÑO Min	5.8	-1.4747	0.0616	-0.0002	-0.0446	-0.0012	-1.8808	118
PISO 3	B70	128	ENVE DISEÑO Max	0	3.7517	-0.0198	0.1463	0.3885	0.2473	0.2136	128-1
PISO 3	B70	128	ENVE DISEÑO Max	1.8	3.7517	0.5235	0.1463	0.3885	0.208	0.2216	128-1
PISO 3	B70	128	ENVE DISEÑO Max	2.45	3.7517	0.7578	0.1463	0.3885	0.2801	0.2446	128-1
PISO 3	B70	128	ENVE DISEÑO Max	2.45	8.2448	-0.3573	0.236	0.0948	0.2684	-0.1293	128-2
PISO 3	B70	128	ENVE DISEÑO Max	3.6	8.2448	-0.0465	0.236	0.0948	0.1272	0.1274	128-2
PISO 3	B70	128	ENVE DISEÑO Max	5.4	8.2448	0.5975	0.236	0.0948	0.4039	-0.1068	128-2
PISO 3	B70	128	ENVE DISEÑO Min	0	-2.7204	-0.7207	-0.1623	-0.3731	-0.2328	-0.4934	128-1
PISO 3	B70	128	ENVE DISEÑO Min	1.8	-2.7204	-0.1287	-0.1623	-0.3731	-0.1648	-0.1903	128-1
PISO 3	B70	128	ENVE DISEÑO Min	2.45	-2.7204	0.047	-0.1623	-0.3731	-0.2266	-0.6033	128-1
PISO 3	B70	128	ENVE DISEÑO Min	2.45	-6.4553	-0.643	-0.1952	-0.4661	-0.219	-0.4039	128-2
PISO 3	B70	128	ENVE DISEÑO Min	3.6	-6.4553	-0.195	-0.1952	-0.4661	-0.1248	0.0342	128-2
PISO 3	B70	128	ENVE DISEÑO Min	5.4	-6.4553	0.3281	-0.1952	-0.4661	-0.4749	-0.3188	128-2
PISO 3	B77	135	ENVE DISEÑO Max	0	0.1577	1.2046	0.3841	2.414	0.0681	0.0546	135
PISO 3	B77	135	ENVE DISEÑO Max	0.1333	0.1577	1.6768	0.3841	2.414	0.1104	0.0444	135
PISO 3	B77	135	ENVE DISEÑO Max	0.2667	0.1577	2.149	0.3841	2.414	0.1586	-0.0037	135
PISO 3	B77	135	ENVE DISEÑO Max	0.4	0.1577	2.6212	0.3841	2.414	0.2083	-0.0948	135
PISO 3	B77	135	ENVE DISEÑO Min	0	-0.1567	-0.1318	-0.3845	-1.5158	-0.0654	-0.0453	135
PISO 3	B77	135	ENVE DISEÑO Min	0.1333	-0.1567	0.1933	-0.3845	-1.5158	-0.1076	-0.2313	135
PISO 3	B77	135	ENVE DISEÑO Min	0.2667	-0.1567	0.5185	-0.3845	-1.5158	-0.1558	-0.4857	135
PISO 3	B77	135	ENVE DISEÑO Min	0.4	-0.1567	0.8436	-0.3845	-1.5158	-0.2055	-0.8035	135
PISO 3	B78	136	ENVE DISEÑO Max	0.3	1.3719	11.6068	0.0134	0.4306	0.0372	43.2717	136
PISO 3	B78	136	ENVE DISEÑO Max	2.1	1.3719	15.9961	0.0134	0.4306	0.0188	19.927	136
PISO 3	B78	136	ENVE DISEÑO Max	3.9	1.3719	22.0296	0.0134	0.4306	0.0216	17.0463	136
PISO 3	B78	136	ENVE DISEÑO Max	5.7	1.3719	28.4041	0.0134	0.4306	0.0388	38.0784	136
PISO 3	B78	136	ENVE DISEÑO Min	0.3	0.4009	-25.1649	-0.0118	-0.4656	-0.0325	-50.5992	136
PISO 3	B78	136	ENVE DISEÑO Min	2.1	0.4009	-18.7904	-0.0118	-0.4656	-0.0169	-12.5374	136
PISO 3	B78	136	ENVE DISEÑO Min	3.9	0.4009	-14.0599	-0.0118	-0.4656	-0.0224	-14.3145	136
PISO 3	B78	136	ENVE DISEÑO Min	5.7	0.4009	-9.6706	-0.0118	-0.4656	-0.0424	-59.3796	136
PISO 3	B1	39	ENVE DISEÑO Max	0	1.283	2.8073	0.1852	1.4854	0.1877	1.4094	39
PISO 3	B1	39	ENVE DISEÑO Max	0.8833	1.283	3.1893	0.1852	1.4854	0.118	-0.141	39
PISO 3	B1	39	ENVE DISEÑO Max	1.7667	1.283	3.5714	0.1852	1.4854	0.2271	0.0842	39
PISO 3	B1	39	ENVE DISEÑO Max	2.65	1.283	3.9534	0.1852	1.4854	0.3955	0.0714	39
PISO 3	B1	39	ENVE DISEÑO Min	0	-1.3656	-0.7053	-0.2095	0.3072	-0.2134	-0.676	39
PISO 3	B1	39	ENVE DISEÑO Min	0.8833	-1.3656	-0.4187	-0.2095	0.3072	-0.1221	-1.2776	39
PISO 3	B1	39	ENVE DISEÑO Min	1.7667	-1.3656	-0.1322	-0.2095	0.3072	-0.2098	-4.2455	39
PISO 3	B1	39	ENVE DISEÑO Min	2.65	-1.3656	0.1543	-0.2095	0.3072	-0.3569	-7.5658	39
PISO 3	B12	55	ENVE DISEÑO Max	0	15.0721	-1.8752	0.3721	0.1548	0.5059	-2.5441	55
PISO 3	B12	55	ENVE DISEÑO Max	0.6833	15.0721	-1.127	0.3721	0.1548	0.2643	-1.4981	55
PISO 3	B12	55	ENVE DISEÑO Max	1.3667	15.0721	-0.3589	0.3721	0.1548	0.1092	-0.904	55
PISO 3	B12	55	ENVE DISEÑO Max	2.05	15.0721	0.4093	0.3721	0.1548	0.2584	0.1282	55
PISO 3	B12	55	ENVE DISEÑO Min	0	-13.5773	-6.6262	-0.3253	-1.4913	-0.4438	-10.0201	55
PISO 3	B12	55	ENVE DISEÑO Min	0.6833	-13.5773	-5.3942	-0.3253	-1.4913	-0.2342	-5.9153	55

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B12	55	ENVE DISEÑO Min	1.3667	-13.5773	-4.1265	-0.3253	-1.4913	-0.1111	-2.7489	55
PISO 3	B12	55	ENVE DISEÑO Min	2.05	-13.5773	-2.8588	-0.3253	-1.4913	-0.2922	-1.4117	55
PISO 3	B25	58	ENVE DISEÑO Max	0	4.1966	-1.6606	0.1934	0.0411	0.3513	-0.934	58
PISO 3	B25	58	ENVE DISEÑO Max	0.6333	4.1966	-0.9486	0.1934	0.0411	0.2388	-0.0595	58
PISO 3	B25	58	ENVE DISEÑO Max	1.2667	4.1966	-0.2367	0.1934	0.0411	0.1414	0.4794	58
PISO 3	B25	58	ENVE DISEÑO Max	1.9	4.1966	0.8715	0.1934	0.0411	0.1105	0.4311	58
PISO 3	B25	58	ENVE DISEÑO Min	0	-3.7706	-3.0593	-0.1795	-0.6442	-0.3383	-2.142	58
PISO 3	B25	58	ENVE DISEÑO Min	0.6333	-3.7706	-1.749	-0.1795	-0.6442	-0.2346	-0.7313	58
PISO 3	B25	58	ENVE DISEÑO Min	1.2667	-3.7706	-0.5412	-0.1795	-0.6442	-0.1459	-0.1801	58
PISO 3	B25	58	ENVE DISEÑO Min	1.9	-3.7706	0.2777	-0.1795	-0.6442	-0.1239	-0.2367	58
PISO 3	B63	72	ENVE DISEÑO Max	0.2	4.2841	-4.5349	0.082	0.0661	0.2289	-6.0124	72
PISO 3	B63	72	ENVE DISEÑO Max	0.7667	4.2841	-3.7993	0.082	0.0661	0.1874	-3.6296	72
PISO 3	B63	72	ENVE DISEÑO Max	1.3333	4.2841	-3.001	0.082	0.0661	0.1486	-1.5804	72
PISO 3	B63	72	ENVE DISEÑO Max	1.9	4.2841	-2.3062	0.082	0.0661	0.1161	0.1875	72
PISO 3	B63	72	ENVE DISEÑO Min	0.2	-4.7996	-9.1261	-0.0934	-1.0802	-0.242	-11.8385	72
PISO 3	B63	72	ENVE DISEÑO Min	0.7667	-4.7996	-7.7128	-0.0934	-1.0802	-0.194	-7.0541	72
PISO 3	B63	72	ENVE DISEÑO Min	1.3333	-4.7996	-6.1461	-0.0934	-1.0802	-0.1488	-3.1342	72
PISO 3	B63	72	ENVE DISEÑO Min	1.9	-4.7996	-4.8325	-0.0934	-1.0802	-0.1098	-0.3285	72
PISO 3	B64	121	ENVE DISEÑO Max	0	6.1688	0.8715	0.079	0.4311	0.1793	0.6442	121
PISO 3	B64	121	ENVE DISEÑO Max	0.95	6.1688	1.2824	0.079	0.4311	0.1144	0.0838	121
PISO 3	B64	121	ENVE DISEÑO Max	1.9	6.1688	1.6933	0.079	0.4311	0.0739	-0.6567	121
PISO 3	B64	121	ENVE DISEÑO Max	2.85	6.1688	2.1042	0.079	0.4311	0.1054	-1.683	121
PISO 3	B64	121	ENVE DISEÑO Min	0	-5.7	0.2777	-0.0867	-0.2367	-0.1861	-0.0411	121
PISO 3	B64	121	ENVE DISEÑO Min	0.95	-5.7	0.5859	-0.0867	-0.2367	-0.1139	-0.8758	121
PISO 3	B64	121	ENVE DISEÑO Min	1.9	-5.7	0.894	-0.0867	-0.2367	-0.0661	-2.2136	121
PISO 3	B64	121	ENVE DISEÑO Min	2.85	-5.7	1.2022	-0.0867	-0.2367	-0.0904	-3.9485	121
PISO 3	B65	310	ENVE DISEÑO Max	0.2	3.5372	-1.6679	0.0121	0.7057	0.0812	0.0279	310
PISO 3	B65	310	ENVE DISEÑO Max	2	3.5372	-0.0369	0.0121	0.7057	0.0613	2.4506	310
PISO 3	B65	310	ENVE DISEÑO Max	3.8	3.5372	2.5816	0.0121	0.7057	0.0431	2.3297	310
PISO 3	B65	310	ENVE DISEÑO Max	5.6	3.5372	5.4835	0.0121	0.7057	0.0289	-0.123	310
PISO 3	B65	310	ENVE DISEÑO Min	0.2	-3.7794	-5.4033	-0.0067	-0.472	-0.0652	-6.5893	310
PISO 3	B65	310	ENVE DISEÑO Min	2	-3.7794	-2.5015	-0.0067	-0.472	-0.0548	0.0568	310
PISO 3	B65	310	ENVE DISEÑO Min	3.8	-3.7794	0.0683	-0.0067	-0.472	-0.0463	0.0773	310
PISO 3	B65	310	ENVE DISEÑO Min	5.6	-3.7794	1.6993	-0.0067	-0.472	-0.0417	-6.7397	310
PISO 3	B66	315	ENVE DISEÑO Max	0.2	2.0508	-1.7586	0.023	0.3822	0.0975	-0.2924	315
PISO 3	B66	315	ENVE DISEÑO Max	2	2.0508	-0.1276	0.023	0.3822	0.058	2.1812	315
PISO 3	B66	315	ENVE DISEÑO Max	3.8	2.0508	2.4365	0.023	0.3822	0.0217	2.3173	315
PISO 3	B66	315	ENVE DISEÑO Max	5.6	2.0508	5.3383	0.023	0.3822	0.0205	-0.0316	315
PISO 3	B66	315	ENVE DISEÑO Min	0.2	-2.8693	-5.4985	-0.0198	-0.3916	-0.0965	-6.9181	315
PISO 3	B66	315	ENVE DISEÑO Min	2	-2.8693	-2.5966	-0.0198	-0.3916	-0.0628	0.0117	315
PISO 3	B66	315	ENVE DISEÑO Min	3.8	-2.8693	0.0276	-0.0198	-0.3916	-0.0323	0.1097	315
PISO 3	B66	315	ENVE DISEÑO Min	5.6	-2.8693	1.6586	-0.0198	-0.3916	-0.0367	-6.4766	315
PISO 3	B73	316	ENVE DISEÑO Max	0.2	1.4889	-1.7027	0.0044	0.4037	0.0344	-0.1608	316
PISO 3	B73	316	ENVE DISEÑO Max	2	1.4889	-0.0717	0.0044	0.4037	0.0278	2.227	316
PISO 3	B73	316	ENVE DISEÑO Max	3.8	1.4889	2.5165	0.0044	0.4037	0.022	2.1881	316



Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B73	316	ENVE DISEÑO Max	5.6	1.4889	5.4184	0.0044	0.4037	0.0177	-0.2386	316
PISO 3	B73	316	ENVE DISEÑO Min	0.2	-1.9385	-5.4122	-0.0058	-0.3857	-0.0512	-6.7354	316
PISO 3	B73	316	ENVE DISEÑO Min	2	-1.9385	-2.5103	-0.0058	-0.3857	-0.042	0.024	316
PISO 3	B73	316	ENVE DISEÑO Min	3.8	-1.9385	0.0898	-0.0058	-0.3857	-0.0337	0.041	316
PISO 3	B73	316	ENVE DISEÑO Min	5.6	-1.9385	1.7208	-0.0058	-0.3857	-0.0269	-6.7234	316
PISO 3	B91	317	ENVE DISEÑO Max	0.2	0.3305	-1.5501	0.003	0.4791	0.0102	0.1699	317
PISO 3	B91	317	ENVE DISEÑO Max	2	0.3305	0.0809	0.003	0.4791	0.0055	2.3263	317
PISO 3	B91	317	ENVE DISEÑO Max	3.8	0.3305	2.6268	0.003	0.4791	0.0045	3.0222	317
PISO 3	B91	317	ENVE DISEÑO Max	5.6	0.3305	5.5287	0.003	0.4791	0.012	1.0982	317
PISO 3	B91	317	ENVE DISEÑO Min	0.2	-1.3349	-5.8025	-0.0058	-0.4739	-0.0214	-7.3068	317
PISO 3	B91	317	ENVE DISEÑO Min	2	-1.3349	-2.9006	-0.0058	-0.4739	-0.0117	0.1121	317
PISO 3	B91	317	ENVE DISEÑO Min	3.8	-1.3349	-0.2582	-0.0058	-0.4739	-0.0055	-0.1777	317
PISO 3	B91	317	ENVE DISEÑO Min	5.6	-1.3349	1.3728	-0.0058	-0.4739	-0.008	-7.017	317
PISO 3	B99	127	ENVE DISEÑO Max	0.2	1.1613	-3.5181	0.0556	0.7759	0.0659	-4.9105	127
PISO 3	B99	127	ENVE DISEÑO Max	0.7667	1.1613	-3.1371	0.0556	0.7759	0.085	-3.0139	127
PISO 3	B99	127	ENVE DISEÑO Max	1.3333	1.1613	-2.6306	0.0556	0.7759	0.1153	-1.3851	127
PISO 3	B99	127	ENVE DISEÑO Max	1.9	1.1613	-2.3312	0.0556	0.7759	0.1526	0.011	127
PISO 3	B99	127	ENVE DISEÑO Min	0.2	-0.8858	-7.5408	-0.0781	-0.7204	-0.0805	-10.778	127
PISO 3	B99	127	ENVE DISEÑO Min	0.7667	-0.8858	-6.8136	-0.0781	-0.7204	-0.0869	-6.6842	127
PISO 3	B99	127	ENVE DISEÑO Min	1.3333	-0.8858	-5.78	-0.0781	-0.7204	-0.1045	-3.1296	127
PISO 3	B99	127	ENVE DISEÑO Min	1.9	-0.8858	-5.2523	-0.0781	-0.7204	-0.1291	-0.0657	127
PISO 3	B101	149	ENVE DISEÑO Max	0.2	0.8292	-3.7412	0.0517	0.6033	0.0791	-5.2951	149
PISO 3	B101	149	ENVE DISEÑO Max	0.7667	0.8292	-3.3602	0.0517	0.6033	0.0548	-3.2713	149
PISO 3	B101	149	ENVE DISEÑO Max	1.3333	0.8292	-2.8538	0.0517	0.6033	0.0381	-1.5142	149
PISO 3	B101	149	ENVE DISEÑO Max	1.9	0.8292	-2.5544	0.0517	0.6033	0.0423	0.0135	149
PISO 3	B101	149	ENVE DISEÑO Min	0.2	-0.416	-7.5579	-0.057	-0.5769	-0.0838	-10.7762	149
PISO 3	B101	149	ENVE DISEÑO Min	0.7667	-0.416	-6.8308	-0.057	-0.5769	-0.0565	-6.6727	149
PISO 3	B101	149	ENVE DISEÑO Min	1.3333	-0.416	-5.7971	-0.057	-0.5769	-0.0368	-3.1083	149
PISO 3	B101	149	ENVE DISEÑO Min	1.9	-0.416	-5.2695	-0.057	-0.5769	-0.0379	-0.0128	149
PISO 3	B103	189	ENVE DISEÑO Max	0.2	0.631	-3.6973	0.0398	0.7159	0.0624	-5.2087	189
PISO 3	B103	189	ENVE DISEÑO Max	0.7667	0.631	-3.3163	0.0398	0.7159	0.0402	-3.2104	189
PISO 3	B103	189	ENVE DISEÑO Max	1.3333	0.631	-2.8098	0.0398	0.7159	0.0197	-1.4798	189
PISO 3	B103	189	ENVE DISEÑO Max	1.9	0.631	-2.5104	0.0398	0.7159	0.0033	0.0378	189
PISO 3	B103	189	ENVE DISEÑO Min	0.2	-0.2766	-7.7608	-0.0275	-0.6877	-0.0545	-11.0951	189
PISO 3	B103	189	ENVE DISEÑO Min	0.7667	-0.2766	-7.0337	-0.0275	-0.6877	-0.0392	-6.8767	189
PISO 3	B103	189	ENVE DISEÑO Min	1.3333	-0.2766	-6	-0.0275	-0.6877	-0.0258	-3.1973	189
PISO 3	B103	189	ENVE DISEÑO Min	1.9	-0.2766	-5.4723	-0.0275	-0.6877	-0.0163	-0.0022	189
PISO 3	B105	341	ENVE DISEÑO Max	0.2	0.9288	-2.731	0.0407	0.3381	0.0491	-3.5028	341
PISO 3	B105	341	ENVE DISEÑO Max	0.7667	0.9288	-2.3499	0.0407	0.3381	0.0321	-2.0522	341
PISO 3	B105	341	ENVE DISEÑO Max	1.3333	0.9288	-1.8435	0.0407	0.3381	0.023	-0.8693	341
PISO 3	B105	341	ENVE DISEÑO Max	1.9	0.9288	-1.5441	0.0407	0.3381	0.0248	0.1681	341
PISO 3	B105	341	ENVE DISEÑO Min	0.2	-0.8912	-6.2318	-0.0179	-0.8556	-0.026	-8.3607	341
PISO 3	B105	341	ENVE DISEÑO Min	0.7667	-0.8912	-5.5047	-0.0179	-0.8556	-0.0219	-5.0086	341
PISO 3	B105	341	ENVE DISEÑO Min	1.3333	-0.8912	-4.471	-0.0179	-0.8556	-0.0257	-2.1957	341
PISO 3	B105	341	ENVE DISEÑO Min	1.9	-0.8912	-3.9434	-0.0179	-0.8556	-0.0404	0.0528	341

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B106	337	ENVE DISEÑO Max	0	8.3175	-1.0999	0.003	0.117	0.0198	-0.8278	337
PISO 3	B106	337	ENVE DISEÑO Max	1.9333	8.3175	-0.2876	0.003	0.117	0.0143	0.928	337
PISO 3	B106	337	ENVE DISEÑO Max	3.8667	8.3175	1.0639	0.003	0.117	0.0093	0.8203	337
PISO 3	B106	337	ENVE DISEÑO Max	5.8	8.3175	2.5805	0.003	0.117	0.0055	-0.7483	337
PISO 3	B106	337	ENVE DISEÑO Min	0	-8.1722	-2.7283	-0.0026	-0.0637	-0.0181	-3.7896	337
PISO 3	B106	337	ENVE DISEÑO Min	1.9333	-8.1722	-1.2148	-0.0026	-0.0637	-0.0134	-0.1542	337
PISO 3	B106	337	ENVE DISEÑO Min	3.8667	-8.1722	0.1674	-0.0026	-0.0637	-0.0092	0.2299	337
PISO 3	B106	337	ENVE DISEÑO Min	5.8	-8.1722	0.9797	-0.0026	-0.0637	-0.0062	-3.0832	337
PISO 3	B107	338	ENVE DISEÑO Max	0	3.6564	-1.2248	0.0009	0.0645	0.0065	-1.1692	338
PISO 3	B107	338	ENVE DISEÑO Max	1.9333	3.6564	-0.4125	0.0009	0.0645	0.005	0.96	338
PISO 3	B107	338	ENVE DISEÑO Max	3.8667	3.6564	0.9998	0.0009	0.0645	0.0036	1.0054	338
PISO 3	B107	338	ENVE DISEÑO Max	5.8	3.6564	2.6371	0.0009	0.0645	0.0024	-1.0398	338
PISO 3	B107	338	ENVE DISEÑO Min	0	-4.9571	-2.6718	-0.0007	-0.0658	-0.0072	-2.8809	338
PISO 3	B107	338	ENVE DISEÑO Min	1.9333	-4.9571	-1.0345	-0.0007	-0.0658	-0.0059	0.3655	338
PISO 3	B107	338	ENVE DISEÑO Min	3.8667	-4.9571	0.3935	-0.0007	-0.0658	-0.0048	0.3342	338
PISO 3	B107	338	ENVE DISEÑO Min	5.8	-4.9571	1.2059	-0.0007	-0.0658	-0.0039	-2.7801	338
PISO 3	B108	339	ENVE DISEÑO Max	0	1.7853	-1.2051	0.0002	0.0651	0.0009	-1.0478	339
PISO 3	B108	339	ENVE DISEÑO Max	1.9333	1.7853	-0.3927	0.0002	0.0651	0.0007	0.9785	339
PISO 3	B108	339	ENVE DISEÑO Max	3.8667	1.7853	1.0392	0.0002	0.0651	0.0007	0.9238	339
PISO 3	B108	339	ENVE DISEÑO Max	5.8	1.7853	2.6764	0.0002	0.0651	0.0009	-1.2251	339
PISO 3	B108	339	ENVE DISEÑO Min	0	-3.4929	-2.6324	-0.0003	-0.0658	-0.0026	-2.7984	339
PISO 3	B108	339	ENVE DISEÑO Min	1.9333	-3.4929	-0.9952	-0.0003	-0.0658	-0.0024	0.3217	339
PISO 3	B108	339	ENVE DISEÑO Min	3.8667	-3.4929	0.417	-0.0003	-0.0658	-0.0023	0.3854	339
PISO 3	B108	339	ENVE DISEÑO Min	5.8	-3.4929	1.2293	-0.0003	-0.0658	-0.0024	-2.9261	339
PISO 3	B109	340	ENVE DISEÑO Max	0	0.8495	-1.1217	0.0008	0.0925	0.0033	-0.8937	340
PISO 3	B109	340	ENVE DISEÑO Max	1.9333	0.8495	-0.3094	0.0008	0.0925	0.002	1.1273	340
PISO 3	B109	340	ENVE DISEÑO Max	3.8667	0.8495	1.0025	0.0008	0.0925	0.0015	1.629	340
PISO 3	B109	340	ENVE DISEÑO Max	5.8	0.8495	2.5129	0.0008	0.0925	0.0028	-0.144	340
PISO 3	B109	340	ENVE DISEÑO Min	0	-1.619	-2.7959	-0.0011	-0.0576	-0.0043	-3.0871	340
PISO 3	B109	340	ENVE DISEÑO Min	1.9333	-1.619	-1.2459	-0.0011	-0.0576	-0.0025	0.4638	340
PISO 3	B109	340	ENVE DISEÑO Min	3.8667	-1.619	0.1759	-0.0011	-0.0576	-0.0014	0.2481	340
PISO 3	B109	340	ENVE DISEÑO Min	5.8	-1.619	0.9882	-0.0011	-0.0576	-0.0021	-2.7438	340
PISO 3	B114	122	ENVE DISEÑO Max	0	0.0082	-0.4115	0.0039	-0.0482	0.006	-0.3307	122
PISO 3	B114	122	ENVE DISEÑO Max	0.6333	0.0082	-0.2365	0.0039	-0.0482	0.0039	-0.1175	122
PISO 3	B114	122	ENVE DISEÑO Max	1.2667	0.0082	0.0467	0.0039	-0.0482	0.0023	-0.0427	122
PISO 3	B114	122	ENVE DISEÑO Max	1.9	0.0082	0.2737	0.0039	-0.0482	0.0023	-0.0312	122
PISO 3	B114	122	ENVE DISEÑO Min	0	-0.1089	-1.1466	-0.0027	-0.1887	-0.0046	-1.2678	122
PISO 3	B114	122	ENVE DISEÑO Min	0.6333	-0.1089	-0.8632	-0.0027	-0.1887	-0.0032	-0.6163	122
PISO 3	B114	122	ENVE DISEÑO Min	1.2667	-0.1089	-0.3603	-0.0027	-0.1887	-0.0024	-0.2435	122
PISO 3	B114	122	ENVE DISEÑO Min	1.9	-0.1089	-0.129	-0.0027	-0.1887	-0.0031	-0.2246	122
PISO 3	B115	123	ENVE DISEÑO Max	0	0.2863	-0.5545	0.0028	0.2246	0.0035	-0.4797	123
PISO 3	B115	123	ENVE DISEÑO Max	0.6667	0.2863	-0.3664	0.0028	0.2246	0.0024	-0.1636	123
PISO 3	B115	123	ENVE DISEÑO Max	1.3333	0.2863	-0.0592	0.0028	0.2246	0.0027	-0.0213	123
PISO 3	B115	123	ENVE DISEÑO Max	2	0.2863	0.129	0.0028	0.2246	0.0045	-0.0482	123
PISO 3	B115	123	ENVE DISEÑO Min	0	-0.4266	-1.4343	-0.0038	0.0312	-0.0047	-1.8907	123

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B115	123	ENVE DISEÑO Min	0.6667	-0.4266	-1.1279	-0.0038	0.0312	-0.003	-1.0188	123
PISO 3	B115	123	ENVE DISEÑO Min	1.3333	-0.4266	-0.5801	-0.0038	0.0312	-0.0026	-0.4499	123
PISO 3	B115	123	ENVE DISEÑO Min	2	-0.4266	-0.2737	-0.0038	0.0312	-0.0038	-0.1887	123
PISO 3	B116	124	ENVE DISEÑO Max	0.2	0.3154	-2.0049	0.0172	0.1613	0.0226	-2.3898	124
PISO 3	B116	124	ENVE DISEÑO Max	0.8	0.3154	-1.6591	0.0172	0.1613	0.0127	-1.2776	124
PISO 3	B116	124	ENVE DISEÑO Max	1.4	0.3154	-1.1703	0.0172	0.1613	0.0047	-0.435	124
PISO 3	B116	124	ENVE DISEÑO Max	2	0.3154	-0.9109	0.0172	0.1613	0.0088	0.3322	124
PISO 3	B116	124	ENVE DISEÑO Min	0.2	-0.096	-4.4713	-0.016	-0.0282	-0.0218	-5.5669	124
PISO 3	B116	124	ENVE DISEÑO Min	0.8	-0.096	-3.7703	-0.016	-0.0282	-0.0126	-3.0848	124
PISO 3	B116	124	ENVE DISEÑO Min	1.4	-0.096	-2.7217	-0.016	-0.0282	-0.0054	-1.1939	124
PISO 3	B116	124	ENVE DISEÑO Min	2	-0.096	-2.2859	-0.016	-0.0282	-0.0101	0.158	124
PISO 3	B117	200	ENVE DISEÑO Max	0	8.7745	-0.7372	0.007	0.2712	0.0379	0.9852	200
PISO 3	B117	200	ENVE DISEÑO Max	1.9333	8.7745	0.0924	0.007	0.2712	0.0245	2.3622	200
PISO 3	B117	200	ENVE DISEÑO Max	3.8667	8.7745	1.5714	0.007	0.2712	0.0112	1.3638	200
PISO 3	B117	200	ENVE DISEÑO Max	5.8	8.7745	3.0359	0.007	0.2712	0.0022	-0.2976	200
PISO 3	B117	200	ENVE DISEÑO Min	0	-9.8176	-2.7399	-0.0057	-0.1404	-0.0324	-3.5488	200
PISO 3	B117	200	ENVE DISEÑO Min	1.9333	-9.8176	-1.2754	-0.0057	-0.1404	-0.0214	-0.0758	200
PISO 3	B117	200	ENVE DISEÑO Min	3.8667	-9.8176	0.0845	-0.0057	-0.1404	-0.0105	0.4655	200
PISO 3	B117	200	ENVE DISEÑO Min	5.8	-9.8176	0.914	-0.0057	-0.1404	-0.004	-3.6372	200
PISO 3	B118	201	ENVE DISEÑO Max	0	3.9922	-1.2055	0.001	0.0728	0.0052	-0.785	201
PISO 3	B118	201	ENVE DISEÑO Max	1.9333	3.9922	-0.3759	0.001	0.0728	0.0038	1.2516	201
PISO 3	B118	201	ENVE DISEÑO Max	3.8667	3.9922	1.0543	0.001	0.0728	0.0029	1.0219	201
PISO 3	B118	201	ENVE DISEÑO Max	5.8	3.9922	2.7337	0.001	0.0728	0.0028	-1.2431	201
PISO 3	B118	201	ENVE DISEÑO Min	0	-3.1155	-2.7445	-0.001	-0.0766	-0.0072	-3.1873	201
PISO 3	B118	201	ENVE DISEÑO Min	1.9333	-3.1155	-1.0651	-0.001	-0.0766	-0.0057	0.1014	201
PISO 3	B118	201	ENVE DISEÑO Min	3.8667	-3.1155	0.3675	-0.001	-0.0766	-0.0046	0.3494	201
PISO 3	B118	201	ENVE DISEÑO Min	5.8	-3.1155	1.1971	-0.001	-0.0766	-0.0045	-2.9199	201
PISO 3	B119	292	ENVE DISEÑO Max	0	2.6425	-1.2681	0.0007	0.0678	0.0034	-1.2269	292
PISO 3	B119	292	ENVE DISEÑO Max	1.9333	2.6425	-0.4385	0.0007	0.0678	0.0021	0.9647	292
PISO 3	B119	292	ENVE DISEÑO Max	3.8667	2.6425	1.0898	0.0007	0.0678	0.0012	0.9065	292
PISO 3	B119	292	ENVE DISEÑO Max	5.8	2.6425	2.7692	0.0007	0.0678	0.0014	-1.3699	292
PISO 3	B119	292	ENVE DISEÑO Min	0	-1.6551	-2.709	-0.0008	-0.0587	-0.0046	-2.928	292
PISO 3	B119	292	ENVE DISEÑO Min	1.9333	-1.6551	-1.0296	-0.0008	-0.0587	-0.0031	0.3798	292
PISO 3	B119	292	ENVE DISEÑO Min	3.8667	-1.6551	0.4706	-0.0008	-0.0587	-0.002	0.3911	292
PISO 3	B119	292	ENVE DISEÑO Min	5.8	-1.6551	1.3002	-0.0008	-0.0587	-0.002	-3.1026	292
PISO 3	B120	343	ENVE DISEÑO Max	0	1.0889	-1.3291	0.0009	0.0789	0.0036	-1.3155	343
PISO 3	B120	343	ENVE DISEÑO Max	1.9333	1.0889	-0.4995	0.0009	0.0789	0.002	1.1484	343
PISO 3	B120	343	ENVE DISEÑO Max	3.8667	1.0889	0.8414	0.0009	0.0789	0.001	1.5706	343
PISO 3	B120	343	ENVE DISEÑO Max	5.8	1.0889	2.5208	0.0009	0.0789	0.0018	-0.5642	343
PISO 3	B120	343	ENVE DISEÑO Min	0	-0.7325	-2.9575	-0.001	-0.0741	-0.0051	-3.2246	343
PISO 3	B120	343	ENVE DISEÑO Min	1.9333	-0.7325	-1.2781	-0.001	-0.0741	-0.0033	0.4669	343
PISO 3	B120	343	ENVE DISEÑO Min	3.8667	-0.7325	0.298	-0.001	-0.0741	-0.0019	0.5414	343
PISO 3	B120	343	ENVE DISEÑO Min	5.8	-0.7325	1.1275	-0.001	-0.0741	-0.0025	-2.1004	343
PISO 3	B121	344	ENVE DISEÑO Max	0	0.3092	-0.6121	0.005	-0.0689	0.0069	-0.6133	344
PISO 3	B121	344	ENVE DISEÑO Max	0.6667	0.3092	-0.424	0.005	-0.0689	0.0042	-0.2585	344

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B121	344	ENVE DISEÑO Max	1.3333	0.3092	-0.1159	0.005	-0.0689	0.003	-0.0768	344
PISO 3	B121	344	ENVE DISEÑO Max	2	0.3092	0.0722	0.005	-0.0689	0.0042	-0.0442	344
PISO 3	B121	344	ENVE DISEÑO Min	0	-0.4451	-1.4803	-0.0034	-0.2321	-0.004	-1.8715	344
PISO 3	B121	344	ENVE DISEÑO Min	0.6667	-0.4451	-1.1406	-0.0034	-0.2321	-0.0023	-0.9942	344
PISO 3	B121	344	ENVE DISEÑO Min	1.3333	-0.4451	-0.5868	-0.0034	-0.2321	-0.0023	-0.4215	344
PISO 3	B121	344	ENVE DISEÑO Min	2	-0.4451	-0.2804	-0.0034	-0.2321	-0.0045	-0.1774	344
PISO 3	B122	345	ENVE DISEÑO Max	0	3.1186	5.652	0.0565	0.5436	0.158	0.2131	345
PISO 3	B122	345	ENVE DISEÑO Max	0.6	3.1186	6.2283	0.0565	0.5436	0.1272	-1.1863	345
PISO 3	B122	345	ENVE DISEÑO Max	1.2	3.1186	7.3678	0.0565	0.5436	0.0987	-2.8163	345
PISO 3	B122	345	ENVE DISEÑO Max	1.8	3.1186	8.1553	0.0565	0.5436	0.0774	-4.7546	345
PISO 3	B122	345	ENVE DISEÑO Min	0	-2.8217	2.1242	-0.0799	-0.5811	-0.1952	-0.0784	345
PISO 3	B122	345	ENVE DISEÑO Min	0.6	-2.8217	2.4485	-0.0799	-0.5811	-0.1504	-3.4975	345
PISO 3	B122	345	ENVE DISEÑO Min	1.2	-2.8217	3.0031	-0.0799	-0.5811	-0.1078	-7.5002	345
PISO 3	B122	345	ENVE DISEÑO Min	1.8	-2.8217	3.4137	-0.0799	-0.5811	-0.0725	-12.1888	345
PISO 3	B123	346	ENVE DISEÑO Max	0	0.387	5.4427	0.0452	0.2899	0.0283	0.0191	346
PISO 3	B123	346	ENVE DISEÑO Max	0.6	0.387	6.019	0.0452	0.2899	0.0454	-1.6133	346
PISO 3	B123	346	ENVE DISEÑO Max	1.2	0.387	7.1585	0.0452	0.2899	0.071	-3.4766	346
PISO 3	B123	346	ENVE DISEÑO Max	1.8	0.387	7.946	0.0452	0.2899	0.0988	-5.6478	346
PISO 3	B123	346	ENVE DISEÑO Min	0	-0.6823	2.5123	-0.0491	-0.3023	-0.0236	-0.032	346
PISO 3	B123	346	ENVE DISEÑO Min	0.6	-0.6823	2.8365	-0.0491	-0.3023	-0.0384	-3.4164	346
PISO 3	B123	346	ENVE DISEÑO Min	1.2	-0.6823	3.3911	-0.0491	-0.3023	-0.0617	-7.3544	346
PISO 3	B123	346	ENVE DISEÑO Min	1.8	-0.6823	3.8018	-0.0491	-0.3023	-0.0871	-11.9174	346
PISO 3	B124	347	ENVE DISEÑO Max	0	0.1911	5.7267	0.0349	0.2897	0.0206	0.0239	347
PISO 3	B124	347	ENVE DISEÑO Max	0.6	0.1911	6.303	0.0349	0.2897	0.0257	-1.7153	347
PISO 3	B124	347	ENVE DISEÑO Max	1.2	0.1911	7.4425	0.0349	0.2897	0.0365	-3.7038	347
PISO 3	B124	347	ENVE DISEÑO Max	1.8	0.1911	8.23	0.0349	0.2897	0.0486	-6.0002	347
PISO 3	B124	347	ENVE DISEÑO Min	0	-0.2864	2.7207	-0.0215	-0.4438	-0.0164	-0.0196	347
PISO 3	B124	347	ENVE DISEÑO Min	0.6	-0.2864	3.045	-0.0215	-0.4438	-0.0295	-3.573	347
PISO 3	B124	347	ENVE DISEÑO Min	1.2	-0.2864	3.5996	-0.0215	-0.4438	-0.0484	-7.6814	347
PISO 3	B124	347	ENVE DISEÑO Min	1.8	-0.2864	4.0102	-0.0215	-0.4438	-0.0684	-12.4148	347
PISO 3	B128	351	ENVE DISEÑO Max	0	9.692	7.92	0.1084	0.0815	0.3132	5.1292	351
PISO 3	B128	351	ENVE DISEÑO Max	0.6	9.692	9.1645	0.1084	0.0815	0.2596	4.9293	351
PISO 3	B128	351	ENVE DISEÑO Max	1.2	9.692	10.6425	0.1084	0.0815	0.2161	5.4758	351
PISO 3	B128	351	ENVE DISEÑO Max	1.8	9.692	11.9746	0.1084	0.0815	0.1924	5.6515	351
PISO 3	B128	351	ENVE DISEÑO Min	0	-11.5081	-2.3508	-0.1148	-1.5104	-0.2909	-1.0066	351
PISO 3	B128	351	ENVE DISEÑO Min	0.6	-11.5081	-1.6115	-0.1148	-1.5104	-0.2336	-4.7236	351
PISO 3	B128	351	ENVE DISEÑO Min	1.2	-11.5081	-0.757	-0.1148	-1.5104	-0.1862	-10.4923	351
PISO 3	B128	351	ENVE DISEÑO Min	1.8	-11.5081	0.0255	-0.1148	-1.5104	-0.1587	-17.2533	351
PISO 3	B130	353	ENVE DISEÑO Max	0	0.839	4.0011	0.0077	0.2371	0.0119	0.2547	353
PISO 3	B130	353	ENVE DISEÑO Max	0.6	0.839	4.4909	0.0077	0.2371	0.0089	-1.0332	353
PISO 3	B130	353	ENVE DISEÑO Max	1.2	0.839	5.5439	0.0077	0.2371	0.0082	-2.3787	353
PISO 3	B130	353	ENVE DISEÑO Max	1.8	0.839	6.2449	0.0077	0.2371	0.0101	-3.9918	353
PISO 3	B130	353	ENVE DISEÑO Min	0	-0.6648	1.7434	-0.0073	-0.0573	-0.0084	0.0511	353
PISO 3	B130	353	ENVE DISEÑO Min	0.6	-0.6648	2.0027	-0.0073	-0.0573	-0.0057	-2.2902	353
PISO 3	B130	353	ENVE DISEÑO Min	1.2	-0.6648	2.4925	-0.0073	-0.0573	-0.0052	-5.2854	353



Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B130	353	ENVE DISEÑO Min	1.8	-0.6648	2.8382	-0.0073	-0.0573	-0.0074	-8.8537	353
PISO 3	B132	355	ENVE DISEÑO Max	0	0.0807	0.0722	0.0031	0.1774	0.0024	-0.0689	355
PISO 3	B132	355	ENVE DISEÑO Max	0.6667	0.0807	0.3079	0.0031	0.1774	0.0019	-0.0385	355
PISO 3	B132	355	ENVE DISEÑO Max	1.3333	0.0807	0.8577	0.0031	0.1774	0.0037	-0.1369	355
PISO 3	B132	355	ENVE DISEÑO Max	2	0.0807	1.1641	0.0031	0.1774	0.0064	-0.3999	355
PISO 3	B132	355	ENVE DISEÑO Min	0	-0.2119	-0.2804	-0.0046	0.0442	-0.0041	-0.2321	355
PISO 3	B132	355	ENVE DISEÑO Min	0.6667	-0.2119	-0.0216	-0.0046	0.0442	-0.0027	-0.2616	355
PISO 3	B132	355	ENVE DISEÑO Min	1.3333	-0.2119	0.2866	-0.0046	0.0442	-0.0035	-0.6402	355
PISO 3	B132	355	ENVE DISEÑO Min	2	-0.2119	0.4747	-0.0046	0.0442	-0.0052	-1.3317	355
PISO 3	B137	86	ENVE DISEÑO Max	0.25	2.6403	-5.9852	0.0792	1.0455	0.0816	-6.9881	86
PISO 3	B137	86	ENVE DISEÑO Max	1	2.6403	-4.1199	0.0792	1.0455	0.0724	-3.1986	86
PISO 3	B137	86	ENVE DISEÑO Max	1.75	2.6403	-2.2545	0.0792	1.0455	0.1054	-0.8079	86
PISO 3	B137	86	ENVE DISEÑO Max	2.5	2.6403	-0.3892	0.0792	1.0455	0.1595	0.2292	86
PISO 3	B137	86	ENVE DISEÑO Min	0.25	-2.2712	-13.9484	-0.091	-0.9834	-0.1091	-17.0046	86
PISO 3	B137	86	ENVE DISEÑO Min	1	-2.2712	-9.7213	-0.091	-0.9834	-0.091	-8.1957	86
PISO 3	B137	86	ENVE DISEÑO Min	1.75	-2.2712	-5.4942	-0.091	-0.9834	-0.1153	-2.7739	86
PISO 3	B137	86	ENVE DISEÑO Min	2.5	-2.2712	-1.8676	-0.091	-0.9834	-0.1605	-0.0785	86
PISO 3	B138	89	ENVE DISEÑO Max	0.25	0.748	-6.4234	0.0291	0.7467	0.0828	-8.1773	89
PISO 3	B138	89	ENVE DISEÑO Max	1	0.748	-4.558	0.0291	0.7467	0.065	-4.0592	89
PISO 3	B138	89	ENVE DISEÑO Max	1.75	0.748	-2.6927	0.0291	0.7467	0.0506	-1.34	89
PISO 3	B138	89	ENVE DISEÑO Max	2.5	0.748	-0.8274	0.0291	0.7467	0.0431	0.0245	89
PISO 3	B138	89	ENVE DISEÑO Min	0.25	-0.7795	-13.9747	-0.0236	-0.7766	-0.0615	-17.1727	89
PISO 3	B138	89	ENVE DISEÑO Min	1	-0.7795	-9.7476	-0.0236	-0.7766	-0.0479	-8.2769	89
PISO 3	B138	89	ENVE DISEÑO Min	1.75	-0.7795	-5.5205	-0.0236	-0.7766	-0.0377	-2.5513	89
PISO 3	B138	89	ENVE DISEÑO Min	2.5	-0.7795	-1.4998	-0.0236	-0.7766	-0.0343	-0.022	89
PISO 3	B139	92	ENVE DISEÑO Max	0.275	0.5274	-6.4552	0.0237	0.8423	0.0559	-8.2038	92
PISO 3	B139	92	ENVE DISEÑO Max	1.0167	0.5274	-4.6106	0.0237	0.8423	0.0408	-4.1003	92
PISO 3	B139	92	ENVE DISEÑO Max	1.7583	0.5274	-2.766	0.0237	0.8423	0.0285	-1.3647	92
PISO 3	B139	92	ENVE DISEÑO Max	2.5	0.5274	-0.9214	0.0237	0.8423	0.0235	0.0049	92
PISO 3	B139	92	ENVE DISEÑO Min	0.275	-0.4849	-13.8318	-0.0286	-0.7823	-0.0759	-16.8247	92
PISO 3	B139	92	ENVE DISEÑO Min	1.0167	-0.4849	-9.6517	-0.0286	-0.7823	-0.0571	-8.1163	92
PISO 3	B139	92	ENVE DISEÑO Min	1.7583	-0.4849	-5.4715	-0.0286	-0.7823	-0.0412	-2.5081	92
PISO 3	B139	92	ENVE DISEÑO Min	2.5	-0.4849	-1.4812	-0.0286	-0.7823	-0.0326	-0.0053	92
PISO 3	B140	95	ENVE DISEÑO Max	0.275	0.4093	-6.3983	0.0233	0.8326	0.0668	-8.0659	95
PISO 3	B140	95	ENVE DISEÑO Max	1.0167	0.4093	-4.5537	0.0233	0.8326	0.0537	-4.0044	95
PISO 3	B140	95	ENVE DISEÑO Max	1.7583	0.4093	-2.7091	0.0233	0.8326	0.0436	-1.3109	95
PISO 3	B140	95	ENVE DISEÑO Max	2.5	0.4093	-0.8645	0.0233	0.8326	0.0385	0.0463	95
PISO 3	B140	95	ENVE DISEÑO Min	0.275	-0.3642	-13.7275	-0.0178	-0.8602	-0.0475	-16.5497	95
PISO 3	B140	95	ENVE DISEÑO Min	1.0167	-0.3642	-9.5474	-0.0178	-0.8602	-0.0385	-7.9186	95
PISO 3	B140	95	ENVE DISEÑO Min	1.7583	-0.3642	-5.3673	-0.0178	-0.8602	-0.0324	-2.3877	95
PISO 3	B140	95	ENVE DISEÑO Min	2.5	-0.3642	-1.4538	-0.0178	-0.8602	-0.0313	0.0111	95
PISO 3	B142	114	ENVE DISEÑO Max	0.25	9.6667	0.1429	0.0862	0.9951	0.1342	7.506	114
PISO 3	B142	114	ENVE DISEÑO Max	1	9.6667	1.7613	0.0862	0.9951	0.1004	6.8101	114
PISO 3	B142	114	ENVE DISEÑO Max	1.75	9.6667	3.3797	0.0862	0.9951	0.1101	5.8987	114
PISO 3	B142	114	ENVE DISEÑO Max	2.5	9.6667	5.1533	0.0862	0.9951	0.1624	3.9066	114

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B142	114	ENVE DISEÑO Min	0.25	-10.5638	-13.8575	-0.109	-0.0872	-0.1593	-17.9764	114
PISO 3	B142	114	ENVE DISEÑO Min	1	-10.5638	-10.8887	-0.109	-0.0872	-0.1085	-8.7148	114
PISO 3	B142	114	ENVE DISEÑO Min	1.75	-10.5638	-7.9199	-0.109	-0.0872	-0.101	-2.6779	114
PISO 3	B142	114	ENVE DISEÑO Min	2.5	-10.5638	-5.1064	-0.109	-0.0872	-0.1363	0.9991	114
PISO 3	B144	130	ENVE DISEÑO Max	0	2.3523	-0.3334	0.0015	0.0599	0.006	0.1226	130
PISO 3	B144	130	ENVE DISEÑO Max	1.9333	2.3523	-0.0198	0.0015	0.0599	0.0031	0.5878	130
PISO 3	B144	130	ENVE DISEÑO Max	3.8667	2.3523	0.3594	0.0015	0.0599	0.001	0.4078	130
PISO 3	B144	130	ENVE DISEÑO Max	5.8	2.3523	0.7775	0.0015	0.0599	0.0033	-0.1701	130
PISO 3	B144	130	ENVE DISEÑO Min	0	-2.5169	-0.714	-0.0015	-0.0658	-0.0058	-0.9952	130
PISO 3	B144	130	ENVE DISEÑO Min	1.9333	-2.5169	-0.296	-0.0015	-0.0658	-0.0029	-0.1425	130
PISO 3	B144	130	ENVE DISEÑO Min	3.8667	-2.5169	0.0565	-0.0015	-0.0658	-0.0008	-0.0593	130
PISO 3	B144	130	ENVE DISEÑO Min	5.8	-2.5169	0.37	-0.0015	-0.0658	-0.0032	-0.9927	130
PISO 3	B145	131	ENVE DISEÑO Max	0	2.3012	-0.3296	0.0004	0.047	0.0022	-0.053	131
PISO 3	B145	131	ENVE DISEÑO Max	1.9333	2.3012	-0.0161	0.0004	0.047	0.0016	0.323	131
PISO 3	B145	131	ENVE DISEÑO Max	3.8667	2.3012	0.3508	0.0004	0.047	0.0011	0.3086	131
PISO 3	B145	131	ENVE DISEÑO Max	5.8	2.3012	0.7689	0.0004	0.047	0.0011	-0.0454	131
PISO 3	B145	131	ENVE DISEÑO Min	0	-2.4289	-0.7771	-0.0004	-0.0504	-0.0026	-1.0798	131
PISO 3	B145	131	ENVE DISEÑO Min	1.9333	-2.4289	-0.359	-0.0004	-0.0504	-0.002	-0.0234	131
PISO 3	B145	131	ENVE DISEÑO Min	3.8667	-2.4289	0.0057	-0.0004	-0.0504	-0.0015	0.0088	131
PISO 3	B145	131	ENVE DISEÑO Min	5.8	-2.4289	0.3193	-0.0004	-0.0504	-0.0014	-1.0338	131
PISO 3	B146	132	ENVE DISEÑO Max	0	1.5901	-0.3548	0.0002	0.0431	0.0012	-0.0853	132
PISO 3	B146	132	ENVE DISEÑO Max	1.9333	1.5901	-0.0412	0.0002	0.0431	0.0011	0.354	132
PISO 3	B146	132	ENVE DISEÑO Max	3.8667	1.5901	0.3087	0.0002	0.0431	0.0012	0.3927	132
PISO 3	B146	132	ENVE DISEÑO Max	5.8	1.5901	0.7268	0.0002	0.0431	0.0013	-0.013	132
PISO 3	B146	132	ENVE DISEÑO Min	0	-1.6892	-0.792	-0.0002	-0.0469	-0.0009	-1.0539	132
PISO 3	B146	132	ENVE DISEÑO Min	1.9333	-1.6892	-0.3739	-0.0002	-0.0469	-0.0009	0.0165	132
PISO 3	B146	132	ENVE DISEÑO Min	3.8667	-1.6892	0.0079	-0.0002	-0.0469	-0.001	0.0731	132
PISO 3	B146	132	ENVE DISEÑO Min	5.8	-1.6892	0.3215	-0.0002	-0.0469	-0.0011	-0.8405	132
PISO 3	B147	138	ENVE DISEÑO Max	0	6.3244	0.0868	0.0051	0.1268	0.0228	1.532	138
PISO 3	B147	138	ENVE DISEÑO Max	1.9333	6.3244	0.4003	0.0051	0.1268	0.0131	1.2639	138
PISO 3	B147	138	ENVE DISEÑO Max	3.8667	6.3244	0.7723	0.0051	0.1268	0.0035	0.8746	138
PISO 3	B147	138	ENVE DISEÑO Max	5.8	6.3244	1.1903	0.0051	0.1268	0.0066	0.9458	138
PISO 3	B147	138	ENVE DISEÑO Min	0	-5.9672	-1.0724	-0.005	-0.2834	-0.0224	-1.6934	138
PISO 3	B147	138	ENVE DISEÑO Min	1.9333	-5.9672	-0.6543	-0.005	-0.2834	-0.0128	-0.2272	138
PISO 3	B147	138	ENVE DISEÑO Min	3.8667	-5.9672	-0.2946	-0.005	-0.2834	-0.0034	-0.0542	138
PISO 3	B147	138	ENVE DISEÑO Min	5.8	-5.9672	0.019	-0.005	-0.2834	-0.0067	-1.7562	138
PISO 3	B149	350	ENVE DISEÑO Max	0	13.6425	6.5784	3.6997	1.9013	1.0949	4.0216	350
PISO 3	B149	350	ENVE DISEÑO Max	0.1833	13.6425	6.7055	3.6997	1.9013	0.4387	4.1329	350
PISO 3	B149	350	ENVE DISEÑO Max	0.3667	13.6425	6.9283	3.6997	1.9013	0.4009	4.8612	350
PISO 3	B149	350	ENVE DISEÑO Max	0.55	13.6425	7.2075	3.6997	1.9013	1.16	5.5718	350
PISO 3	B149	350	ENVE DISEÑO Min	0	-16.2013	-4.9885	-4.318	-1.1548	-1.2435	1.0408	350
PISO 3	B149	350	ENVE DISEÑO Min	0.1833	-16.2013	-4.9021	-4.318	-1.1548	-0.4739	0.6207	350
PISO 3	B149	350	ENVE DISEÑO Min	0.3667	-16.2013	-4.762	-4.318	-1.1548	-0.3228	-0.4692	350
PISO 3	B149	350	ENVE DISEÑO Min	0.55	-16.2013	-4.5901	-4.318	-1.1548	-0.9686	-1.6206	350
PISO 3	B151	367	ENVE DISEÑO Max	0	9.8922	0.9231	0.0345	0.566	0.0654	1.9096	367

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B151	367	ENVE DISEÑO Max	0.9501	9.8922	1.1419	0.0345	0.566	0.0329	0.9297	367
PISO 3	B151	367	ENVE DISEÑO Max	1.9003	9.8922	1.3607	0.0345	0.566	0.0049	-0.2066	367
PISO 3	B151	367	ENVE DISEÑO Max	2.8504	9.8922	1.5795	0.0345	0.566	0.0279	1.4636	367
PISO 3	B151	367	ENVE DISEÑO Min	0	-9.2879	-2.9977	-0.0306	-0.2569	-0.0603	-5.9976	367
PISO 3	B151	367	ENVE DISEÑO Min	0.9501	-9.2879	-2.7	-0.0306	-0.2569	-0.0314	-3.2918	367
PISO 3	B151	367	ENVE DISEÑO Min	1.9003	-9.2879	-2.4023	-0.0306	-0.2569	-0.0071	-0.9205	367
PISO 3	B151	367	ENVE DISEÑO Min	2.8504	-9.2879	-2.1047	-0.0306	-0.2569	-0.0339	-1.8463	367
PISO 3	B154	140	ENVE DISEÑO Max	0.3	0.6334	-3.4715	0.0267	0.3729	0.0439	-4.121	140
PISO 3	B154	140	ENVE DISEÑO Max	1.0333	0.6334	-2.401	0.0267	0.3729	0.0325	-1.9673	140
PISO 3	B154	140	ENVE DISEÑO Max	1.7667	0.6334	-1.3305	0.0267	0.3729	0.0303	-0.5977	140
PISO 3	B154	140	ENVE DISEÑO Max	2.5	0.6334	-0.26	0.0267	0.3729	0.0394	0.0204	140
PISO 3	B154	140	ENVE DISEÑO Min	0.3	-0.6878	-7.489	-0.0324	-1.205	-0.0671	-8.9996	140
PISO 3	B154	140	ENVE DISEÑO Min	1.0333	-0.6878	-5.2109	-0.0324	-1.205	-0.0516	-4.343	140
PISO 3	B154	140	ENVE DISEÑO Min	1.7667	-0.6878	-2.9329	-0.0324	-1.205	-0.0451	-1.3723	140
PISO 3	B154	140	ENVE DISEÑO Min	2.5	-0.6878	-0.8385	-0.0324	-1.205	-0.0501	-0.074	140
PISO 3	B155	139	ENVE DISEÑO Max	0	0.6454	-0.2811	0.0002	0.074	0.0011	0.0681	139
PISO 3	B155	139	ENVE DISEÑO Max	1.9333	0.6454	0.0325	0.0002	0.074	0.0008	0.4214	139
PISO 3	B155	139	ENVE DISEÑO Max	3.8667	0.6454	0.4205	0.0002	0.074	0.0006	0.6422	139
PISO 3	B155	139	ENVE DISEÑO Max	5.8	0.6454	0.8385	0.0002	0.074	0.0005	0.3729	139
PISO 3	B155	139	ENVE DISEÑO Min	0	-0.7474	-0.8153	-0.0002	-0.0204	-0.0015	-0.894	139
PISO 3	B155	139	ENVE DISEÑO Min	1.9333	-0.7474	-0.3972	-0.0002	-0.0204	-0.0013	0.1652	139
PISO 3	B155	139	ENVE DISEÑO Min	3.8667	-0.7474	-0.0536	-0.0002	-0.0204	-0.0011	-0.0577	139
PISO 3	B155	139	ENVE DISEÑO Min	5.8	-0.7474	0.26	-0.0002	-0.0204	-0.001	-1.205	139
PISO 3	B156	70	ENVE DISEÑO Max	0.2	1.1119	1.4014	0.0059	0.3463	0.0187	5.1378	70
PISO 3	B156	70	ENVE DISEÑO Max	2	1.1119	1.9853	0.0059	0.3463	0.0092	2.226	70
PISO 3	B156	70	ENVE DISEÑO Max	3.8	1.1119	2.7123	0.0059	0.3463	0.0075	2.5031	70
PISO 3	B156	70	ENVE DISEÑO Max	5.6	1.1119	3.4908	0.0059	0.3463	0.0164	5.2207	70
PISO 3	B156	70	ENVE DISEÑO Min	0.2	-1.0823	-3.2454	-0.0063	-0.2793	-0.0206	-6.3781	70
PISO 3	B156	70	ENVE DISEÑO Min	2	-1.0823	-2.4669	-0.0063	-0.2793	-0.0105	-1.3732	70
PISO 3	B156	70	ENVE DISEÑO Min	3.8	-1.0823	-1.8316	-0.0063	-0.2793	-0.008	-2.0095	70
PISO 3	B156	70	ENVE DISEÑO Min	5.6	-1.0823	-1.2477	-0.0063	-0.2793	-0.0162	-7.5385	70
PISO 3	B157	78	ENVE DISEÑO Max	0.2	0.6141	0.8046	0.0052	0.2099	0.0193	3.5512	78
PISO 3	B157	78	ENVE DISEÑO Max	2	0.6141	1.3885	0.0052	0.2099	0.0111	1.6715	78
PISO 3	B157	78	ENVE DISEÑO Max	3.8	0.6141	2.0772	0.0052	0.2099	0.0076	2.0024	78
PISO 3	B157	78	ENVE DISEÑO Max	5.6	0.6141	2.8557	0.0052	0.2099	0.0153	3.8172	78
PISO 3	B157	78	ENVE DISEÑO Min	0.2	-0.3557	-2.7971	-0.006	-0.2863	-0.0203	-5.2647	78
PISO 3	B157	78	ENVE DISEÑO Min	2	-0.3557	-2.0186	-0.006	-0.2863	-0.0106	-1.0246	78
PISO 3	B157	78	ENVE DISEÑO Min	3.8	-0.3557	-1.3449	-0.006	-0.2863	-0.0057	-1.4474	78
PISO 3	B157	78	ENVE DISEÑO Min	5.6	-0.3557	-0.761	-0.006	-0.2863	-0.012	-5.8064	78
PISO 3	B158	119	ENVE DISEÑO Max	0	0.6735	0.1071	0.0001	0.0546	0.0003	1.0751	119
PISO 3	B158	119	ENVE DISEÑO Max	1.9333	0.6735	0.4207	0.0001	0.0546	0.0003	0.6275	119
PISO 3	B158	119	ENVE DISEÑO Max	3.8667	0.6735	0.7865	0.0001	0.0546	0.0004	1.0202	119
PISO 3	B158	119	ENVE DISEÑO Max	5.8	0.6735	1.2046	0.0001	0.0546	0.0006	1.5158	119
PISO 3	B158	119	ENVE DISEÑO Min	0	-0.6258	-1.2292	-0.0001	-0.0453	-0.0003	-2.1164	119
PISO 3	B158	119	ENVE DISEÑO Min	1.9333	-0.6258	-0.8112	-0.0001	-0.0453	-0.0004	-0.2066	119

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B158	119	ENVE DISEÑO Min	3.8667	-0.6258	-0.4454	-0.0001	-0.0453	-0.0005	-0.5516	119
PISO 3	B158	119	ENVE DISEÑO Min	5.8	-0.6258	-0.1318	-0.0001	-0.0453	-0.0007	-2.414	119
PISO 3	B143	62	ENVE DISEÑO Max	0	1.2111	0.4222	0.0393	0.5228	0.0285	-0.0625	62
PISO 3	B143	62	ENVE DISEÑO Max	0.45	1.2111	0.4952	0.0393	0.5228	0.0119	-0.0033	62
PISO 3	B143	62	ENVE DISEÑO Max	0.9	1.2111	0.5682	0.0393	0.5228	0.0081	0.291	62
PISO 3	B143	62	ENVE DISEÑO Max	1.35	1.2111	0.6412	0.0393	0.5228	0.0252	0.5819	62
PISO 3	B143	62	ENVE DISEÑO Min	0	-1.324	-0.97	-0.0415	0.0001	-0.0322	-0.668	62
PISO 3	B143	62	ENVE DISEÑO Min	0.45	-1.324	-0.8727	-0.0415	0.0001	-0.0145	-0.519	62
PISO 3	B143	62	ENVE DISEÑO Min	0.9	-1.324	-0.7754	-0.0415	0.0001	-0.0097	-0.6818	62
PISO 3	B143	62	ENVE DISEÑO Min	1.35	-1.324	-0.6781	-0.0415	0.0001	-0.0259	-0.9178	62
PISO 3	B148	65	ENVE DISEÑO Max	0	0.2991	0.97	0.1079	-0.0625	0.0121	-0.0001	65
PISO 3	B148	65	ENVE DISEÑO Max	0.2333	0.2991	1.6678	0.1079	-0.0625	0.0176	0.0236	65
PISO 3	B148	65	ENVE DISEÑO Max	0.4667	0.2991	2.3655	0.1079	-0.0625	0.0387	-0.0298	65
PISO 3	B148	65	ENVE DISEÑO Max	0.7	0.2991	3.0633	0.1079	-0.0625	0.0612	-0.1719	65
PISO 3	B148	65	ENVE DISEÑO Min	0	-0.3278	-0.4222	-0.0994	-0.668	-0.0155	-0.5228	65
PISO 3	B148	65	ENVE DISEÑO Min	0.2333	-0.3278	-0.0199	-0.0994	-0.668	-0.023	-0.8026	65
PISO 3	B148	65	ENVE DISEÑO Min	0.4667	-0.3278	0.3825	-0.0994	-0.668	-0.0461	-1.262	65
PISO 3	B148	65	ENVE DISEÑO Min	0.7	-0.3278	0.7848	-0.0994	-0.668	-0.0706	-1.8896	65
PISO 3	B159	83	ENVE DISEÑO Max	0	2.4516	11.0262	0.1224	3.6774	0.1445	0.7679	83
PISO 3	B159	83	ENVE DISEÑO Max	0.3583	2.4516	11.1812	0.1224	3.6774	0.1647	-1.4529	83
PISO 3	B159	83	ENVE DISEÑO Max	0.7167	2.4516	11.3362	0.1224	3.6774	0.2068	-3.0905	83
PISO 3	B159	83	ENVE DISEÑO Max	1.075	2.4516	11.4912	0.1224	3.6774	0.2603	-4.76	83
PISO 3	B159	83	ENVE DISEÑO Min	0	-2.2838	4.3606	-0.1996	0.0116	-0.1416	0.089	83
PISO 3	B159	83	ENVE DISEÑO Min	0.3583	-2.2838	4.4768	-0.1996	0.0116	-0.1342	-3.3642	83
PISO 3	B159	83	ENVE DISEÑO Min	0.7167	-2.2838	4.5931	-0.1996	0.0116	-0.1486	-7.3985	83
PISO 3	B159	83	ENVE DISEÑO Min	1.075	-2.2838	4.7093	-0.1996	0.0116	-0.1745	-11.4884	83
PISO 3	B28	109	ENVE DISEÑO Max	0	2.8069	0.0672	0.8149	0.4081	0.8465	0.2565	109-1
PISO 3	B28	109	ENVE DISEÑO Max	1.1333	2.8069	0.4819	0.8149	0.4081	0.4073	0.184	109-1
PISO 3	B28	109	ENVE DISEÑO Max	1.8	2.8069	0.7702	0.8149	0.4081	0.7462	0.225	109-1
PISO 3	B28	109	ENVE DISEÑO Max	1.8	3.2678	0.1519	0.6514	0.4408	0.6728	0.3189	109-2
PISO 3	B28	109	ENVE DISEÑO Max	2.2667	3.2678	0.3033	0.6514	0.4408	0.4337	0.2271	109-2
PISO 3	B28	109	ENVE DISEÑO Max	3.4	3.2678	0.7772	0.6514	0.4408	0.6323	0.1656	109-2
PISO 3	B28	109	ENVE DISEÑO Min	0	-2.3694	-0.6694	-0.7685	-0.4046	-0.8604	-0.3272	109-1
PISO 3	B28	109	ENVE DISEÑO Min	1.1333	-2.3694	-0.2262	-0.7685	-0.4046	-0.4737	-0.0583	109-1
PISO 3	B28	109	ENVE DISEÑO Min	1.8	-2.3694	-0.01	-0.7685	-0.4046	-0.8436	-0.438	109-1
PISO 3	B28	109	ENVE DISEÑO Min	1.8	-2.1066	-0.6618	-0.7527	-0.5269	-0.7575	-0.3972	109-2
PISO 3	B28	109	ENVE DISEÑO Min	2.2667	-2.1066	-0.46	-0.7527	-0.5269	-0.4712	-0.1498	109-2
PISO 3	B28	109	ENVE DISEÑO Min	3.4	-2.1066	-0.0762	-0.7527	-0.5269	-0.5548	-0.3968	109-2
PISO 3	B31	42	ENVE DISEÑO Max	0	16.0129	2.2014	0.123	0.2258	0.2738	4.047	42
PISO 3	B31	42	ENVE DISEÑO Max	1.1333	16.0129	3.3215	0.123	0.2258	0.1547	1.02	42
PISO 3	B31	42	ENVE DISEÑO Max	2.2667	16.0129	5.0215	0.123	0.2258	0.1268	2.0284	42
PISO 3	B31	42	ENVE DISEÑO Max	3.4	16.0129	6.7759	0.123	0.2258	0.2674	4.4951	42
PISO 3	B31	42	ENVE DISEÑO Min	0	-15.8756	-6.3147	-0.1674	-0.2522	-0.3489	-8.5732	42
PISO 3	B31	42	ENVE DISEÑO Min	1.1333	-15.8756	-4.4888	-0.1674	-0.2522	-0.1794	-2.36	42
PISO 3	B31	42	ENVE DISEÑO Min	2.2667	-15.8756	-2.7954	-0.1674	-0.2522	-0.1011	-3.9684	42

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 3	B31	42	ENVE DISEÑO Min	3.4	-15.8756	-1.7156	-0.1674	-0.2522	-0.1914	-10.7878	42
PISO 3	B37	61	ENVE DISEÑO Max	0.275	2.2943	-0.4195	0.0252	0.316	0.0444	5.6669	61
PISO 3	B37	61	ENVE DISEÑO Max	2.05	2.2943	1.4767	0.0252	0.316	0.0112	5.8955	61
PISO 3	B37	61	ENVE DISEÑO Max	3.825	2.2943	4.1944	0.0252	0.316	0.0399	3.3469	61
PISO 3	B37	61	ENVE DISEÑO Max	5.6	2.2943	7.6545	0.0252	0.316	0.0765	3.1425	61
PISO 3	B37	61	ENVE DISEÑO Min	0.275	-3.9952	-7.5669	-0.021	-0.0835	-0.038	-11.2863	61
PISO 3	B37	61	ENVE DISEÑO Min	2.05	-3.9952	-4.1068	-0.021	-0.0835	-0.0121	-2.0927	61
PISO 3	B37	61	ENVE DISEÑO Min	3.825	-3.9952	-1.4681	-0.021	-0.0835	-0.0481	0.3705	61
PISO 3	B37	61	ENVE DISEÑO Min	5.6	-3.9952	0.4281	-0.021	-0.0835	-0.092	-9.0179	61
PISO 3	B69	99	ENVE DISEÑO Max	0	9.5015	3.3571	0.0997	0.6477	0.1375	5.4541	99
PISO 3	B69	99	ENVE DISEÑO Max	0.8923	9.5015	3.7149	0.0997	0.6477	0.0542	2.301	99
PISO 3	B69	99	ENVE DISEÑO Max	1.7846	9.5015	4.0844	0.0997	0.6477	0.0488	1.9267	99
PISO 3	B69	99	ENVE DISEÑO Max	2.677	9.5015	4.4654	0.0997	0.6477	0.127	7.3681	99
PISO 3	B69	99	ENVE DISEÑO Min	0	-11.5698	-7.4339	-0.0952	-1.203	-0.1362	-10.4098	99
PISO 3	B69	99	ENVE DISEÑO Min	0.8923	-11.5698	-6.9126	-0.0952	-1.203	-0.057	-4.0091	99
PISO 3	B69	99	ENVE DISEÑO Min	1.7846	-11.5698	-6.3758	-0.0952	-1.203	-0.0557	-1.1837	99
PISO 3	B69	99	ENVE DISEÑO Min	2.677	-11.5698	-5.8236	-0.0952	-1.203	-0.138	-4.9947	99
PISO 3	B161	73	ENVE DISEÑO Max	0	2.948	-3.5198	0.0045	0.1079	0.0059	-0.237	73
PISO 3	B161	73	ENVE DISEÑO Max	1.8667	2.948	-0.3011	0.0045	0.1079	0.008	5.4156	73
PISO 3	B161	73	ENVE DISEÑO Max	3.7333	2.948	4.5711	0.0045	0.1079	0.0154	3.3565	73
PISO 3	B161	73	ENVE DISEÑO Max	5.6	2.948	10.79	0.0045	0.1079	0.0236	-3.7011	73
PISO 3	B161	73	ENVE DISEÑO Min	0	-3.088	-8.2784	-0.0045	0.0184	-0.0038	-5.5135	73
PISO 3	B161	73	ENVE DISEÑO Min	1.8667	-3.088	-2.3736	-0.0045	0.0184	-0.0059	2.0942	73
PISO 3	B161	73	ENVE DISEÑO Min	3.7333	-3.088	1.5548	-0.0045	0.0184	-0.0135	0.8785	73
PISO 3	B161	73	ENVE DISEÑO Min	5.6	-3.088	4.7735	-0.0045	0.0184	-0.0218	-11.7129	73
PISO 3	B162	85	ENVE DISEÑO Max	0	4.2537	-0.1134	0.2693	0.7246	0.6163	0.1569	85-1
PISO 3	B162	85	ENVE DISEÑO Max	1.8	4.2537	0.5471	0.2693	0.7246	0.3672	0.1882	85-1
PISO 3	B162	85	ENVE DISEÑO Max	2.45	4.2537	0.8282	0.2693	0.7246	0.3919	0.1534	85-1
PISO 3	B162	85	ENVE DISEÑO Max	2.45	8.8255	-0.2307	0.4505	0.8029	0.6891	0.0455	85-2
PISO 3	B162	85	ENVE DISEÑO Max	3.6	8.8255	0.1672	0.4505	0.8029	1.1249	0.1089	85-2
PISO 3	B162	85	ENVE DISEÑO Max	4.05	8.8255	0.3804	0.4505	0.8029	1.3161	0.0029	85-2
PISO 3	B162	85	ENVE DISEÑO Max	4.05	7.156	-0.1774	0.6141	0.7936	0.5505	0.0083	85-3
PISO 3	B162	85	ENVE DISEÑO Max	5.4	7.156	0.3416	0.6141	0.7936	0.29	0.0034	85-3
PISO 3	B162	85	ENVE DISEÑO Min	0	-3.7454	-0.7581	-0.245	-0.426	-0.595	-0.4914	85-1
PISO 3	B162	85	ENVE DISEÑO Min	1.8	-3.7454	-0.0562	-0.245	-0.426	-0.3897	-0.1803	85-1
PISO 3	B162	85	ENVE DISEÑO Min	2.45	-3.7454	0.1547	-0.245	-0.426	-0.4301	-0.6245	85-1
PISO 3	B162	85	ENVE DISEÑO Min	2.45	-8.755	-0.427	-0.4684	-0.4704	-0.6617	-0.2339	85-2
PISO 3	B162	85	ENVE DISEÑO Min	3.6	-8.755	0.0548	-0.4684	-0.4704	-1.0769	-0.0521	85-2
PISO 3	B162	85	ENVE DISEÑO Min	4.05	-8.755	0.2007	-0.4684	-0.4704	-1.2601	-0.1226	85-2
PISO 3	B162	85	ENVE DISEÑO Min	4.05	-7.0461	-0.3396	-0.5575	-0.4734	-0.5601	-0.0723	85-3
PISO 3	B162	85	ENVE DISEÑO Min	5.4	-7.0461	0.1787	-0.5575	-0.4734	-0.3761	-0.0668	85-3
PISO 2	B2	218	ENVE DISEÑO Max	0	0.9589	9.9326	0.038	4.5302	0.0224	3.4784	218
PISO 2	B2	218	ENVE DISEÑO Max	0.75	0.9589	10.257	0.038	4.5302	0.0208	-2.5226	218
PISO 2	B2	218	ENVE DISEÑO Max	1.5	0.9589	10.5813	0.038	4.5302	0.0394	-6.6853	218
PISO 2	B2	218	ENVE DISEÑO Max	2.25	0.9589	10.9057	0.038	4.5302	0.0635	-11.0222	218

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B2	218	ENVE DISEÑO Min	0	-1.0976	5.173	-0.0356	1.6377	-0.0361	1.433	218
PISO 2	B2	218	ENVE DISEÑO Min	0.75	-1.0976	5.4163	-0.0356	1.6377	-0.0363	-4.2246	218
PISO 2	B2	218	ENVE DISEÑO Min	1.5	-1.0976	5.6596	-0.0356	1.6377	-0.0567	-11.9132	218
PISO 2	B2	218	ENVE DISEÑO Min	2.25	-1.0976	5.9029	-0.0356	1.6377	-0.0826	-19.9698	218
PISO 2	B3	219	ENVE DISEÑO Max	0.2	6.5667	-0.4934	0.0057	0.3258	0.028	1.4377	219
PISO 2	B3	219	ENVE DISEÑO Max	2.85	6.5667	0.3662	0.0057	0.3258	0.0281	1.6665	219
PISO 2	B3	219	ENVE DISEÑO Max	5.5	6.5667	1.309	0.0057	0.3258	0.0365	1.9278	219
PISO 2	B3	219	ENVE DISEÑO Max	8.15	6.5667	2.4551	0.0057	0.3258	0.0488	2.6029	219
PISO 2	B3	219	ENVE DISEÑO Min	0.2	-6.0734	-2.9765	-0.0058	-0.2346	-0.0212	-7.7736	219
PISO 2	B3	219	ENVE DISEÑO Min	2.85	-6.0734	-1.8303	-0.0058	-0.2346	-0.021	-1.4648	219
PISO 2	B3	219	ENVE DISEÑO Min	5.5	-6.0734	-0.7674	-0.0058	-0.2346	-0.0291	-0.5039	219
PISO 2	B3	219	ENVE DISEÑO Min	8.15	-6.0734	0.0922	-0.0058	-0.2346	-0.0412	-5.2717	219
PISO 2	B4	220	ENVE DISEÑO Max	0.2	9.3561	0.6488	0.0252	0.158	0.0852	3.4071	220
PISO 2	B4	220	ENVE DISEÑO Max	1.8417	9.3561	1.1813	0.0252	0.158	0.049	1.982	220
PISO 2	B4	220	ENVE DISEÑO Max	3.4833	9.3561	1.8742	0.0252	0.158	0.0282	0.7329	220
PISO 2	B4	220	ENVE DISEÑO Max	5.125	9.3561	2.5842	0.0252	0.158	0.048	1.5999	220
PISO 2	B4	220	ENVE DISEÑO Min	0.2	-8.9326	-2.186	-0.0246	-0.1448	-0.0898	-4.5353	220
PISO 2	B4	220	ENVE DISEÑO Min	1.8417	-8.9326	-1.476	-0.0246	-0.1448	-0.0546	-1.6064	220
PISO 2	B4	220	ENVE DISEÑO Min	3.4833	-8.9326	-0.9263	-0.0246	-0.1448	-0.0347	-0.8936	220
PISO 2	B4	220	ENVE DISEÑO Min	5.125	-8.9326	-0.3938	-0.0246	-0.1448	-0.0554	-4.3365	220
PISO 2	B6	222	ENVE DISEÑO Max	0.2	3.0169	-0.0425	0.0149	0.2771	0.055	1.2341	222
PISO 2	B6	222	ENVE DISEÑO Max	2	3.0169	0.5414	0.0149	0.2771	0.0285	0.8926	222
PISO 2	B6	222	ENVE DISEÑO Max	3.8	3.0169	1.2192	0.0149	0.2771	0.0068	1.3421	222
PISO 2	B6	222	ENVE DISEÑO Max	5.6	3.0169	1.9977	0.0149	0.2771	0.0292	1.6032	222
PISO 2	B6	222	ENVE DISEÑO Min	0.2	-2.7064	-1.9467	-0.0159	-0.2172	-0.0583	-2.9158	222
PISO 2	B6	222	ENVE DISEÑO Min	2	-2.7064	-1.1682	-0.0159	-0.2172	-0.03	-0.2199	222
PISO 2	B6	222	ENVE DISEÑO Min	3.8	-2.7064	-0.4837	-0.0159	-0.2172	-0.0065	-0.7672	222
PISO 2	B6	222	ENVE DISEÑO Min	5.6	-2.7064	0.1002	-0.0159	-0.2172	-0.0271	-3.5784	222
PISO 2	B14	230	ENVE DISEÑO Max	0.2	2.9817	-0.1189	0.0403	0.2061	0.119	1.1204	230
PISO 2	B14	230	ENVE DISEÑO Max	2	2.9817	0.465	0.0403	0.2061	0.0499	1.003	230
PISO 2	B14	230	ENVE DISEÑO Max	3.8	2.9817	1.2123	0.0403	0.2061	0.0359	1.166	230
PISO 2	B14	230	ENVE DISEÑO Max	5.6	2.9817	1.9908	0.0403	0.2061	0.0932	0.9511	230
PISO 2	B14	230	ENVE DISEÑO Min	0.2	-3.421	-1.6076	-0.0356	-0.2915	-0.1016	-1.8194	230
PISO 2	B14	230	ENVE DISEÑO Min	2	-3.421	-0.8291	-0.0356	-0.2915	-0.0409	0.1795	230
PISO 2	B14	230	ENVE DISEÑO Min	3.8	-3.421	-0.214	-0.0356	-0.2915	-0.0353	-0.5542	230
PISO 2	B14	230	ENVE DISEÑO Min	5.6	-3.421	0.3699	-0.0356	-0.2915	-0.1011	-3.3623	230
PISO 2	B20	236	ENVE DISEÑO Max	0.25	1.6567	-6.7828	0.0374	0.5365	0.0469	-3.2116	236-1
PISO 2	B20	236	ENVE DISEÑO Max	2.0833	1.6567	-1.6866	0.0374	0.5365	0.0299	5.897	236-1
PISO 2	B20	236	ENVE DISEÑO Max	3.5	1.6567	2.5458	0.0374	0.5365	0.0799	7.7827	236-1
PISO 2	B20	236	ENVE DISEÑO Max	3.5	4.893	5.6121	0.1057	-0.1174	0.149	7.8939	236-2
PISO 2	B20	236	ENVE DISEÑO Max	3.9167	4.893	7.6666	0.1057	-0.1174	0.1067	6.796	236-2
PISO 2	B20	236	ENVE DISEÑO Max	5.75	4.893	16.6636	0.1057	-0.1174	0.0837	-3.5221	236-2
PISO 2	B20	236	ENVE DISEÑO Min	0.25	-1.3069	-14.4993	-0.0365	0.0606	-0.0417	-17.2994	236-1
PISO 2	B20	236	ENVE DISEÑO Min	2.0833	-1.3069	-6.8404	-0.0365	0.0606	-0.0263	0.917	236-1
PISO 2	B20	236	ENVE DISEÑO Min	3.5	-1.3069	-1.2166	-0.0365	0.0606	-0.0775	4.1299	236-1

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B20	236	ENVE DISEÑO Min	3.5	-3.5535	0.3825	-0.0992	-0.5192	-0.1508	4.2626	236-2
PISO 2	B20	236	ENVE DISEÑO Min	3.9167	-3.5535	1.7215	-0.0992	-0.5192	-0.1112	2.1557	236-2
PISO 2	B20	236	ENVE DISEÑO Min	5.75	-3.5535	7.5881	-0.0992	-0.5192	-0.1002	-18.4216	236-2
PISO 2	B21	237	ENVE DISEÑO Max	0.25	4.1094	-3.3232	0.1141	0.2813	0.2299	-0.6659	237-1
PISO 2	B21	237	ENVE DISEÑO Max	2.0833	4.1094	1.4352	0.1141	0.2813	0.0313	1.783	237-1
PISO 2	B21	237	ENVE DISEÑO Max	3.5	4.1094	6.4521	0.1141	0.2813	0.1332	-1.9698	237-1
PISO 2	B21	237	ENVE DISEÑO Max	3.5	2.3071	-2.5988	0.3198	0.2011	0.3198	-0.9821	237-2
PISO 2	B21	237	ENVE DISEÑO Max	3.9167	2.3071	-1.5827	0.3198	0.2011	0.201	-0.1094	237-2
PISO 2	B21	237	ENVE DISEÑO Max	5.75	2.3071	3.9128	0.3198	0.2011	0.4643	0.528	237-2
PISO 2	B21	237	ENVE DISEÑO Min	0.25	-4.3453	-6.0677	-0.1084	-0.2083	-0.2234	-4.0474	237-1
PISO 2	B21	237	ENVE DISEÑO Min	2.0833	-4.3453	0.1371	-0.1084	-0.2083	-0.0351	0.6708	237-1
PISO 2	B21	237	ENVE DISEÑO Min	3.5	-4.3453	3.5917	-0.1084	-0.2083	-0.1451	-3.8045	237-1
PISO 2	B21	237	ENVE DISEÑO Min	3.5	-7.3907	-5.3267	-0.3364	-0.3469	-0.313	-2.678	237-2
PISO 2	B21	237	ENVE DISEÑO Min	3.9167	-7.3907	-3.8511	-0.3364	-0.3469	-0.1873	-0.7675	237-2
PISO 2	B21	237	ENVE DISEÑO Min	5.75	-7.3907	1.6166	-0.3364	-0.3469	-0.4202	-1.4923	237-2
PISO 2	B22	238	ENVE DISEÑO Max	0	0.8299	6.2193	0.4517	0.7702	0.0915	-3.1637	238
PISO 2	B22	238	ENVE DISEÑO Max	0.15	0.8299	6.846	0.4517	0.7702	0.0765	-3.6377	238
PISO 2	B22	238	ENVE DISEÑO Max	0.3	0.8299	7.4726	0.4517	0.7702	0.1014	-4.1737	238
PISO 2	B22	238	ENVE DISEÑO Max	0.45	0.8299	8.0992	0.4517	0.7702	0.1441	-4.772	238
PISO 2	B22	238	ENVE DISEÑO Min	0	-1.4435	2.9442	-0.3722	-0.4909	-0.1015	-5.8274	238
PISO 2	B22	238	ENVE DISEÑO Min	0.15	-1.4435	3.3611	-0.3722	-0.4909	-0.0984	-6.7883	238
PISO 2	B22	238	ENVE DISEÑO Min	0.3	-1.4435	3.7781	-0.3722	-0.4909	-0.1352	-7.8496	238
PISO 2	B22	238	ENVE DISEÑO Min	0.45	-1.4435	4.195	-0.3722	-0.4909	-0.1899	-9.0112	238
PISO 2	B24	239	ENVE DISEÑO Max	0	1.8658	-0.594	0.5573	0.919	0.2056	-0.0424	239
PISO 2	B24	239	ENVE DISEÑO Max	0.15	1.8658	-0.2283	0.5573	0.919	0.2789	0.1251	239
PISO 2	B24	239	ENVE DISEÑO Max	0.3	1.8658	0.1375	0.5573	0.919	0.3559	0.2787	239
PISO 2	B24	239	ENVE DISEÑO Max	0.45	1.8658	0.5817	0.5573	0.919	0.4346	0.3539	239
PISO 2	B24	239	ENVE DISEÑO Min	0	0.0879	-1.8316	-0.5468	-0.2416	-0.1489	-0.1179	239
PISO 2	B24	239	ENVE DISEÑO Min	0.15	0.0879	-1.3004	-0.5468	-0.2416	-0.2238	0.0111	239
PISO 2	B24	239	ENVE DISEÑO Min	0.3	0.0879	-0.7692	-0.5468	-0.2416	-0.3024	0.0195	239
PISO 2	B24	239	ENVE DISEÑO Min	0.45	0.0879	-0.3164	-0.5468	-0.2416	-0.3826	-0.0282	239
PISO 2	B38	253	ENVE DISEÑO Max	0	0.1762	1.3821	0.0728	-1.3048	0.0617	-0.2624	253
PISO 2	B38	253	ENVE DISEÑO Max	0.2333	0.1762	1.7478	0.0728	-1.3048	0.0858	-0.2342	253
PISO 2	B38	253	ENVE DISEÑO Max	0.4667	0.1762	2.1135	0.0728	-1.3048	0.1117	-0.2644	253
PISO 2	B38	253	ENVE DISEÑO Max	0.7	0.1762	2.4792	0.0728	-1.3048	0.1383	-0.3535	253
PISO 2	B38	253	ENVE DISEÑO Min	0	-0.1597	-0.2505	-0.1203	-3.6649	-0.0458	-0.7062	253
PISO 2	B38	253	ENVE DISEÑO Min	0.2333	-0.1597	0.0024	-0.1203	-3.6649	-0.0587	-1.0706	253
PISO 2	B38	253	ENVE DISEÑO Min	0.4667	-0.1597	0.2552	-0.1203	-3.6649	-0.0735	-1.5209	253
PISO 2	B38	253	ENVE DISEÑO Min	0.7	-0.1597	0.508	-0.1203	-3.6649	-0.0891	-2.0566	253
PISO 2	B39	254	ENVE DISEÑO Max	0	2.0541	-4.664	0.0051	0.1437	0.0118	-1.9932	254-1
PISO 2	B39	254	ENVE DISEÑO Max	2.4667	2.0541	-1.9912	0.0051	0.1437	0.0079	8.5787	254-1
PISO 2	B39	254	ENVE DISEÑO Max	4.9333	2.0541	0.8548	0.0051	0.1437	0.0153	12.0876	254-1
PISO 2	B39	254	ENVE DISEÑO Max	6	2.0541	2.4751	0.0051	0.1437	0.0196	10.4787	254-1
PISO 2	B39	254	ENVE DISEÑO Max	6	3.6794	2.5266	0.0982	0.1437	0.1295	10.4787	254-2
PISO 2	B39	254	ENVE DISEÑO Max	7.4	3.6794	4.7686	0.0982	0.1437	0.1299	5.6683	254-2

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B39	254	ENVE DISEÑO Min	0	-2.0251	-7.7043	-0.0046	-0.2019	-0.0148	-6.5849	254-1
PISO 2	B39	254	ENVE DISEÑO Min	2.4667	-2.0251	-3.5885	-0.0046	-0.2019	-0.0123	4.671	254-1
PISO 2	B39	254	ENVE DISEÑO Min	4.9333	-2.0251	0.104	-0.0046	-0.2019	-0.0211	7.7097	254-1
PISO 2	B39	254	ENVE DISEÑO Min	6	-2.0251	1.2254	-0.0046	-0.2019	-0.0259	6.4876	254-1
PISO 2	B39	254	ENVE DISEÑO Min	6	-3.7025	1.2598	-0.1018	-0.2019	-0.1029	6.4876	254-2
PISO 2	B39	254	ENVE DISEÑO Min	7.4	-3.7025	2.7768	-0.1018	-0.2019	-0.0983	2.8537	254-2
PISO 2	B40	255	ENVE DISEÑO Max	0	1.4082	4.7686	0.1214	0.1437	0.0645	5.6683	255
PISO 2	B40	255	ENVE DISEÑO Max	0.5333	1.4082	5.6676	0.1214	0.1437	0.1153	3.2356	255
PISO 2	B40	255	ENVE DISEÑO Max	1.0667	1.4082	6.5665	0.1214	0.1437	0.1771	0.5808	255
PISO 2	B40	255	ENVE DISEÑO Max	1.6	1.4082	7.4655	0.1214	0.1437	0.242	-1.6707	255
PISO 2	B40	255	ENVE DISEÑO Min	0	-1.3349	2.7768	-0.1272	-0.2019	-0.0872	2.8537	255
PISO 2	B40	255	ENVE DISEÑO Min	0.5333	-1.3349	3.3547	-0.1272	-0.2019	-0.1349	0.9106	255
PISO 2	B40	255	ENVE DISEÑO Min	1.0667	-1.3349	3.9326	-0.1272	-0.2019	-0.1936	-1.5641	255
PISO 2	B40	255	ENVE DISEÑO Min	1.6	-1.3349	4.5105	-0.1272	-0.2019	-0.2555	-5.1963	255
PISO 2	B41	256	ENVE DISEÑO Max	0	0.9219	1.9293	2.036	0.7157	0.2133	0.7393	256
PISO 2	B41	256	ENVE DISEÑO Max	0.1333	0.9219	2.6732	2.036	0.7157	0.4066	0.7111	256
PISO 2	B41	256	ENVE DISEÑO Max	0.2667	0.9219	3.417	2.036	0.7157	0.624	0.5843	256
PISO 2	B41	256	ENVE DISEÑO Max	0.4	0.9219	4.1608	2.036	0.7157	0.8472	0.3832	256
PISO 2	B41	256	ENVE DISEÑO Min	0	-0.9806	-0.3202	-1.7124	-0.7697	-0.2497	0.212	256
PISO 2	B41	256	ENVE DISEÑO Min	0.1333	-0.9806	0.1837	-1.7124	-0.7697	-0.4861	-0.0575	256
PISO 2	B41	256	ENVE DISEÑO Min	0.2667	-0.9806	0.6875	-1.7124	-0.7697	-0.7467	-0.3948	256
PISO 2	B41	256	ENVE DISEÑO Min	0.4	-0.9806	1.1914	-1.7124	-0.7697	-1.013	-0.8241	256
PISO 2	B46	261	ENVE DISEÑO Max	0	2.2979	1.5238	2.1418	2.4402	0.2907	0.0483	261
PISO 2	B46	261	ENVE DISEÑO Max	0.1333	2.2979	2.4972	2.1418	2.4402	0.6188	-0.1035	261
PISO 2	B46	261	ENVE DISEÑO Max	0.2667	2.2979	3.4706	2.1418	2.4402	0.9537	-0.3371	261
PISO 2	B46	261	ENVE DISEÑO Max	0.4	2.2979	4.444	2.1418	2.4402	1.2899	-0.6539	261
PISO 2	B46	261	ENVE DISEÑO Min	0	-2.3957	0.8107	-2.5318	-1.9234	-0.249	-0.0368	261
PISO 2	B46	261	ENVE DISEÑO Min	0.1333	-2.3957	1.4365	-2.5318	-1.9234	-0.5251	-0.2913	261
PISO 2	B46	261	ENVE DISEÑO Min	0.2667	-2.3957	2.0622	-2.5318	-1.9234	-0.8079	-0.6709	261
PISO 2	B46	261	ENVE DISEÑO Min	0.4	-2.3957	2.688	-2.5318	-1.9234	-1.0922	-1.1856	261
PISO 2	B49	264	ENVE DISEÑO Max	0.25	8.2705	-3.7499	0.0489	0.6227	0.0655	0.5356	264
PISO 2	B49	264	ENVE DISEÑO Max	1.1667	8.2705	-1.2096	0.0489	0.6227	0.0446	2.8246	264
PISO 2	B49	264	ENVE DISEÑO Max	2.0833	8.2705	1.3306	0.0489	0.6227	0.0694	4.3073	264
PISO 2	B49	264	ENVE DISEÑO Max	3	8.2705	4.8636	0.0489	0.6227	0.1089	5.064	264
PISO 2	B49	264	ENVE DISEÑO Min	0.25	-7.8832	-13.693	-0.0498	-0.0278	-0.061	-14.6089	264
PISO 2	B49	264	ENVE DISEÑO Min	1.1667	-7.8832	-9.3149	-0.0498	-0.0278	-0.0393	-4.0794	264
PISO 2	B49	264	ENVE DISEÑO Min	2.0833	-7.8832	-4.9367	-0.0498	-0.0278	-0.0633	0.9143	264
PISO 2	B49	264	ENVE DISEÑO Min	3	-7.8832	-1.5512	-0.0498	-0.0278	-0.1019	0.2923	264
PISO 2	B23	265	ENVE DISEÑO Max	0	1.5389	2.9688	1.6452	0.5378	0.0997	-0.0449	265
PISO 2	B23	265	ENVE DISEÑO Max	0.1417	1.5389	3.4911	1.6452	0.5378	0.2401	-0.2423	265
PISO 2	B23	265	ENVE DISEÑO Max	0.2833	1.5389	4.0134	1.6452	0.5378	0.4241	-0.4835	265
PISO 2	B23	265	ENVE DISEÑO Max	0.425	1.5389	4.5357	1.6452	0.5378	0.6131	-0.7727	265
PISO 2	B23	265	ENVE DISEÑO Min	0	-1.5773	1.1757	-1.3567	-0.7271	-0.1047	-0.187	265
PISO 2	B23	265	ENVE DISEÑO Min	0.1417	-1.5773	1.5201	-1.3567	-0.7271	-0.286	-0.6381	265
PISO 2	B23	265	ENVE DISEÑO Min	0.2833	-1.5773	1.8646	-1.3567	-0.7271	-0.5108	-1.1682	265

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B23	265	ENVE DISEÑO Min	0.425	-1.5773	2.2091	-1.3567	-0.7271	-0.7407	-1.7731	265
PISO 2	B53	269	ENVE DISEÑO Max	0	0.4934	0.2505	0.0041	0.7062	0.0027	-1.3048	269
PISO 2	B53	269	ENVE DISEÑO Max	0.8167	0.4934	0.3829	0.0041	0.7062	0.0032	-1.5597	269
PISO 2	B53	269	ENVE DISEÑO Max	1.6333	0.4934	0.5154	0.0041	0.7062	0.0057	-1.0765	269
PISO 2	B53	269	ENVE DISEÑO Max	2.45	0.4934	0.6478	0.0041	0.7062	0.0084	-0.4132	269
PISO 2	B53	269	ENVE DISEÑO Min	0	-0.3036	-1.3821	-0.0035	0.2624	-0.0018	-3.6649	269
PISO 2	B53	269	ENVE DISEÑO Min	0.8167	-0.3036	-1.2055	-0.0035	0.2624	-0.0028	-2.6562	269
PISO 2	B53	269	ENVE DISEÑO Min	1.6333	-0.3036	-1.0289	-0.0035	0.2624	-0.0057	-2.5495	269
PISO 2	B53	269	ENVE DISEÑO Min	2.45	-0.3036	-0.8523	-0.0035	0.2624	-0.0089	-2.9196	269
PISO 2	B54	270	ENVE DISEÑO Max	0	3.7367	-0.421	0.0003	0.0533	0.0012	0.216	270
PISO 2	B54	270	ENVE DISEÑO Max	2.7833	3.7367	0.0304	0.0003	0.0533	0.0014	0.7983	270
PISO 2	B54	270	ENVE DISEÑO Max	5.5667	3.7367	0.5252	0.0003	0.0533	0.002	0.7995	270
PISO 2	B54	270	ENVE DISEÑO Max	8.35	3.7367	1.1271	0.0003	0.0533	0.0028	0.6896	270
PISO 2	B54	270	ENVE DISEÑO Min	0	-3.7021	-1.3926	-0.0003	-0.036	-0.0008	-3.6028	270
PISO 2	B54	270	ENVE DISEÑO Min	2.7833	-3.7021	-0.7907	-0.0003	-0.036	-0.0011	-3.6033	270
PISO 2	B54	270	ENVE DISEÑO Min	5.5667	-3.7021	-0.2322	-0.0003	-0.036	-0.0018	0.0456	270
PISO 2	B54	270	ENVE DISEÑO Min	8.35	-3.7021	0.2193	-0.0003	-0.036	-0.0025	-2.126	270
PISO 2	B55	271	ENVE DISEÑO Max	0	5.9004	-0.1541	0.0004	0.0263	0.0044	0.4539	271
PISO 2	B55	271	ENVE DISEÑO Max	1.8	5.9004	0.1378	0.0004	0.0263	0.005	0.4886	271
PISO 2	B55	271	ENVE DISEÑO Max	3.6	5.9004	0.5063	0.0004	0.0263	0.0057	0.1718	271
PISO 2	B55	271	ENVE DISEÑO Max	5.4	5.9004	0.8956	0.0004	0.0263	0.0064	-0.0542	271
PISO 2	B55	271	ENVE DISEÑO Min	0	-5.6532	-0.7706	-0.0006	-0.0205	-0.0044	-1.3735	271
PISO 2	B55	271	ENVE DISEÑO Min	1.8	-5.6532	-0.3814	-0.0006	-0.0205	-0.0047	-0.3568	271
PISO 2	B55	271	ENVE DISEÑO Min	3.6	-5.6532	-0.0686	-0.0006	-0.0205	-0.0051	-0.2148	271
PISO 2	B55	271	ENVE DISEÑO Min	5.4	-5.6532	0.2233	-0.0006	-0.0205	-0.0056	-1.3897	271
PISO 2	B57	273	ENVE DISEÑO Max	0	2.3399	-0.2595	0.0006	0.0219	0.0031	-0.0068	273
PISO 2	B57	273	ENVE DISEÑO Max	1.9333	2.3399	0.0541	0.0006	0.0219	0.0025	0.2392	273
PISO 2	B57	273	ENVE DISEÑO Max	3.8667	2.3399	0.401	0.0006	0.0219	0.0022	0.639	273
PISO 2	B57	273	ENVE DISEÑO Max	5.8	2.3399	0.8191	0.0006	0.0219	0.0024	0.4608	273
PISO 2	B57	273	ENVE DISEÑO Min	0	-2.0858	-0.8918	-0.0006	-0.0645	-0.0038	-1.1941	273
PISO 2	B57	273	ENVE DISEÑO Min	1.9333	-2.0858	-0.4738	-0.0006	-0.0645	-0.0031	0.11	273
PISO 2	B57	273	ENVE DISEÑO Min	3.8667	-2.0858	-0.089	-0.0006	-0.0645	-0.0027	-0.2172	273
PISO 2	B57	273	ENVE DISEÑO Min	5.8	-2.0858	0.2246	-0.0006	-0.0645	-0.0028	-1.3495	273
PISO 2	B67	283	ENVE DISEÑO Max	0	2.9909	7.4655	0.2106	-1.6707	0.0521	0.2019	283
PISO 2	B67	283	ENVE DISEÑO Max	0.75	2.9909	7.8439	0.2106	-1.6707	0.1266	-3.2901	283
PISO 2	B67	283	ENVE DISEÑO Max	1.5	2.9909	8.2223	0.2106	-1.6707	0.2863	-6.9489	283
PISO 2	B67	283	ENVE DISEÑO Max	2.25	2.9909	8.6008	0.2106	-1.6707	0.4468	-10.789	283
PISO 2	B67	283	ENVE DISEÑO Min	0	-3.2384	4.5105	-0.2145	-5.1963	-0.0418	-0.1437	283
PISO 2	B67	283	ENVE DISEÑO Min	0.75	-3.2384	4.7537	-0.2145	-5.1963	-0.1134	-5.7031	283
PISO 2	B67	283	ENVE DISEÑO Min	1.5	-3.2384	4.997	-0.2145	-5.1963	-0.2702	-11.7279	283
PISO 2	B67	283	ENVE DISEÑO Min	2.25	-3.2384	5.2403	-0.2145	-5.1963	-0.4279	-18.0366	283
PISO 2	B68	284	ENVE DISEÑO Max	0.2	11.5013	-1.013	0.0085	0.2291	0.0699	-0.7136	284
PISO 2	B68	284	ENVE DISEÑO Max	2.9167	11.5013	-0.1318	0.0085	0.2291	0.073	0.9943	284
PISO 2	B68	284	ENVE DISEÑO Max	5.6333	11.5013	0.8935	0.0085	0.2291	0.0839	1.2235	284
PISO 2	B68	284	ENVE DISEÑO Max	8.35	11.5013	2.0685	0.0085	0.2291	0.1005	0.0477	284

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B68	284	ENVE DISEÑO Min	0.2	-12.2071	-2.2725	-0.0102	-0.3571	-0.0837	-4.7468	284
PISO 2	B68	284	ENVE DISEÑO Min	2.9167	-12.2071	-1.0976	-0.0102	-0.3571	-0.0821	-0.3219	284
PISO 2	B68	284	ENVE DISEÑO Min	5.6333	-12.2071	-0.0667	-0.0102	-0.3571	-0.0883	-0.0043	284
PISO 2	B68	284	ENVE DISEÑO Min	8.35	-12.2071	0.8145	-0.0102	-0.3571	-0.1003	-3.8676	284
PISO 2	B70	285	ENVE DISEÑO Max	0	4.3026	-0.0405	0.0674	0.0885	0.0865	0.0727	285-1
PISO 2	B70	285	ENVE DISEÑO Max	1.8	4.3026	0.2841	0.0674	0.0885	0.0469	0.1335	285-1
PISO 2	B70	285	ENVE DISEÑO Max	2.45	4.3026	0.4247	0.0674	0.0885	0.0844	0.1398	285-1
PISO 2	B70	285	ENVE DISEÑO Max	2.45	3.2409	-0.2083	0.0654	0.0098	0.0871	-0.0942	285-2
PISO 2	B70	285	ENVE DISEÑO Max	3.6	3.2409	-0.0218	0.0654	0.0098	0.0234	0.0872	285-2
PISO 2	B70	285	ENVE DISEÑO Max	5.4	3.2409	0.3613	0.0654	0.0098	0.1028	-0.0217	285-2
PISO 2	B70	285	ENVE DISEÑO Min	0	-3.4472	-0.4204	-0.0626	-0.0639	-0.0758	-0.2729	285-1
PISO 2	B70	285	ENVE DISEÑO Min	1.8	-3.4472	-0.0638	-0.0626	-0.0639	-0.0448	-0.1172	285-1
PISO 2	B70	285	ENVE DISEÑO Min	2.45	-3.4472	0.0416	-0.0626	-0.0639	-0.0854	-0.3468	285-1
PISO 2	B70	285	ENVE DISEÑO Min	2.45	-1.8992	-0.383	-0.0628	-0.1296	-0.0877	-0.2145	285-2
PISO 2	B70	285	ENVE DISEÑO Min	3.6	-1.8992	-0.119	-0.0628	-0.1296	-0.027	-0.0162	285-2
PISO 2	B70	285	ENVE DISEÑO Min	5.4	-1.8992	0.1944	-0.0628	-0.1296	-0.1111	-0.2346	285-2
PISO 2	B71	286	ENVE DISEÑO Max	0	9.6662	0.5116	0.0043	0.1961	0.0146	1.1092	286
PISO 2	B71	286	ENVE DISEÑO Max	0.95	9.6662	0.6657	0.0043	0.1961	0.0131	0.5528	286
PISO 2	B71	286	ENVE DISEÑO Max	1.9	9.6662	0.8198	0.0043	0.1961	0.0127	0.0564	286
PISO 2	B71	286	ENVE DISEÑO Max	2.85	9.6662	0.9738	0.0043	0.1961	0.0137	1.4352	286
PISO 2	B71	286	ENVE DISEÑO Min	0	-8.5674	-2.2198	-0.004	-0.0376	-0.0121	-4.0188	286
PISO 2	B71	286	ENVE DISEÑO Min	0.95	-8.5674	-2.0144	-0.004	-0.0376	-0.0108	-2.0104	286
PISO 2	B71	286	ENVE DISEÑO Min	1.9	-8.5674	-1.8089	-0.004	-0.0376	-0.0108	-0.4035	286
PISO 2	B71	286	ENVE DISEÑO Min	2.85	-8.5674	-1.6035	-0.004	-0.0376	-0.0121	-1.0134	286
PISO 2	B81	240	ENVE DISEÑO Max	0.25	2.4085	0.8179	0.729	0.4007	0.8567	1.5318	240-1
PISO 2	B81	240	ENVE DISEÑO Max	1.1667	2.4085	3.6219	0.729	0.4007	0.1978	-0.0451	240-1
PISO 2	B81	240	ENVE DISEÑO Max	1.4	2.4085	4.4361	0.729	0.4007	0.0995	-0.2664	240-1
PISO 2	B81	240	ENVE DISEÑO Max	1.4	2.8443	-1.4306	0.2311	0.4212	0.1684	-0.2486	240-2
PISO 2	B81	240	ENVE DISEÑO Max	2.0833	2.8443	-0.0139	0.2311	0.4212	0.186	0.3903	240-2
PISO 2	B81	240	ENVE DISEÑO Max	3	2.8443	3.1335	0.2311	0.4212	0.3834	-0.2848	240-2
PISO 2	B81	240	ENVE DISEÑO Min	0.25	-3.3099	-1.6424	-0.769	-0.2211	-0.8989	-0.3405	240-1
PISO 2	B81	240	ENVE DISEÑO Min	1.1667	-3.3099	0.6524	-0.769	-0.2211	-0.2032	-0.3447	240-1
PISO 2	B81	240	ENVE DISEÑO Min	1.4	-3.3099	1.1361	-0.769	-0.2211	-0.0956	-1.2722	240-1
PISO 2	B81	240	ENVE DISEÑO Min	1.4	-3.2026	-3.1452	-0.2463	-0.3908	-0.1694	-0.9741	240-2
PISO 2	B81	240	ENVE DISEÑO Min	2.0833	-3.2026	-0.6472	-0.2463	-0.3908	-0.1767	0.1374	240-2
PISO 2	B81	240	ENVE DISEÑO Min	3	-3.2026	1.419	-0.2463	-0.3908	-0.3602	-0.9184	240-2
PISO 2	B92	293	ENVE DISEÑO Max	0	11.762	-0.0096	0.0057	0.0124	0.0181	1.5989	293
PISO 2	B92	293	ENVE DISEÑO Max	1.9333	11.762	0.4084	0.0057	0.0124	0.0099	1.2315	293
PISO 2	B92	293	ENVE DISEÑO Max	3.8667	11.762	0.8265	0.0057	0.0124	0.0125	0.1934	293
PISO 2	B92	293	ENVE DISEÑO Max	5.8	11.762	1.2446	0.0057	0.0124	0.0209	-0.9704	293
PISO 2	B92	293	ENVE DISEÑO Min	0	-11.5561	-0.2384	-0.0054	-0.034	-0.0171	0.3201	293
PISO 2	B92	293	ENVE DISEÑO Min	1.9333	-11.5561	0.0787	-0.0054	-0.034	-0.0095	0.453	293
PISO 2	B92	293	ENVE DISEÑO Min	3.8667	-11.5561	0.3922	-0.0054	-0.034	-0.0126	-0.1579	293
PISO 2	B92	293	ENVE DISEÑO Min	5.8	-11.5561	0.7058	-0.0054	-0.034	-0.0216	-2.0576	293
PISO 2	B1	202	ENVE DISEÑO Max	0	1.6707	2.7864	0.1764	1.3493	0.0949	1.4241	202

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B1	202	ENVE DISEÑO Max	0.8833	1.6707	3.1684	0.1764	1.3493	0.1247	-0.2951	202
PISO 2	B1	202	ENVE DISEÑO Max	1.7667	1.6707	3.5505	0.1764	1.3493	0.2548	-0.5344	202
PISO 2	B1	202	ENVE DISEÑO Max	2.65	1.6707	3.9325	0.1764	1.3493	0.3983	-1.0204	202
PISO 2	B1	202	ENVE DISEÑO Min	0	-1.7683	-0.1672	-0.1682	0.4806	-0.1112	-0.3299	202
PISO 2	B1	202	ENVE DISEÑO Min	0.8833	-1.7683	0.1194	-0.1682	0.4806	-0.1482	-1.2196	202
PISO 2	B1	202	ENVE DISEÑO Min	1.7667	-1.7683	0.4059	-0.1682	0.4806	-0.2855	-4.1799	202
PISO 2	B1	202	ENVE DISEÑO Min	2.65	-1.7683	0.6924	-0.1682	0.4806	-0.4363	-7.4839	202
PISO 2	B12	203	ENVE DISEÑO Max	0	12.016	-2.2869	0.2203	-0.1307	0.2588	-3.0965	203
PISO 2	B12	203	ENVE DISEÑO Max	0.6833	12.016	-1.4574	0.2203	-0.1307	0.1451	-1.8136	203
PISO 2	B12	203	ENVE DISEÑO Max	1.3667	12.016	-0.6279	0.2203	-0.1307	0.154	-1.0851	203
PISO 2	B12	203	ENVE DISEÑO Max	2.05	12.016	0.2017	0.2203	-0.1307	0.2639	-0.0874	203
PISO 2	B12	203	ENVE DISEÑO Min	0	-12.6244	-6.432	-0.2054	-1.5732	-0.2165	-9.4388	203
PISO 2	B12	203	ENVE DISEÑO Min	0.6833	-12.6244	-5.0826	-0.2054	-1.5732	-0.1129	-5.5083	203
PISO 2	B12	203	ENVE DISEÑO Min	1.3667	-12.6244	-3.7331	-0.2054	-1.5732	-0.1319	-2.5123	203
PISO 2	B12	203	ENVE DISEÑO Min	2.05	-12.6244	-2.3837	-0.2054	-1.5732	-0.2521	-1.2745	203
PISO 2	B25	217	ENVE DISEÑO Max	0	3.1037	-1.8094	0.1655	-0.0398	0.37	-1.0471	217
PISO 2	B25	217	ENVE DISEÑO Max	0.6333	3.1037	-1.0405	0.1655	-0.0398	0.2674	-0.129	217
PISO 2	B25	217	ENVE DISEÑO Max	1.2667	3.1037	-0.2717	0.1655	-0.0398	0.1679	0.3797	217
PISO 2	B25	217	ENVE DISEÑO Max	1.9	3.1037	0.9575	0.1655	-0.0398	0.0813	0.2867	217
PISO 2	B25	217	ENVE DISEÑO Min	0	-3.2942	-3.2007	-0.1822	-0.5699	-0.4212	-2.1447	217
PISO 2	B25	217	ENVE DISEÑO Min	0.6333	-3.2942	-1.8146	-0.1822	-0.5699	-0.308	-0.6615	217
PISO 2	B25	217	ENVE DISEÑO Min	1.2667	-3.2942	-0.5125	-0.1822	-0.5699	-0.1979	-0.048	217
PISO 2	B25	217	ENVE DISEÑO Min	1.9	-3.2942	0.3816	-0.1822	-0.5699	-0.1007	-0.1119	217
PISO 2	B52	223	ENVE DISEÑO Max	0	14.3001	4.2489	0.0013	2.4889	0.4516	5.069	223-1
PISO 2	B52	223	ENVE DISEÑO Max	0.05	14.3001	4.3476	0.0013	2.4889	0.4515	5.0721	223-1
PISO 2	B52	223	ENVE DISEÑO Max	0.05	10.2182	6.6313	0.1231	-0.1078	0.3973	4.6902	223-2
PISO 2	B52	223	ENVE DISEÑO Max	0.6167	10.2182	7.8675	0.1231	-0.1078	0.3313	2.896	223-2
PISO 2	B52	223	ENVE DISEÑO Max	1.2333	10.2182	9.4547	0.1231	-0.1078	0.2617	1.659	223-2
PISO 2	B52	223	ENVE DISEÑO Max	1.85	10.2182	10.9013	0.1231	-0.1078	0.1969	0.0726	223-2
PISO 2	B52	223	ENVE DISEÑO Min	0	-14.1145	-1.322	-0.0015	-0.3968	-0.5013	0.4674	223-1
PISO 2	B52	223	ENVE DISEÑO Min	0.05	-14.1145	-1.2613	-0.0015	-0.3968	-0.5013	0.314	223-1
PISO 2	B52	223	ENVE DISEÑO Min	0.05	-10.1173	0.4082	-0.1337	-1.1249	-0.441	0.4054	223-2
PISO 2	B52	223	ENVE DISEÑO Min	0.6167	-10.1173	1.1539	-0.1337	-1.1249	-0.3689	-2.3345	223-2
PISO 2	B52	223	ENVE DISEÑO Min	1.2333	-10.1173	2.0846	-0.1337	-1.1249	-0.2928	-7.4248	223-2
PISO 2	B52	223	ENVE DISEÑO Min	1.85	-10.1173	2.9461	-0.1337	-1.1249	-0.2214	-13.6873	223-2
PISO 2	B63	224	ENVE DISEÑO Max	0.2	3.8796	-4.9558	0.1484	-0.2055	0.3925	-6.4857	224
PISO 2	B63	224	ENVE DISEÑO Max	0.7667	3.8796	-4.1693	0.1484	-0.2055	0.3091	-3.8524	224
PISO 2	B63	224	ENVE DISEÑO Max	1.3333	3.8796	-3.3201	0.1484	-0.2055	0.2262	-1.6766	224
PISO 2	B63	224	ENVE DISEÑO Max	1.9	3.8796	-2.5744	0.1484	-0.2055	0.1446	0.1067	224
PISO 2	B63	224	ENVE DISEÑO Min	0.2	-3.6681	-9.4589	-0.1314	-0.8699	-0.3432	-12.2128	224
PISO 2	B63	224	ENVE DISEÑO Min	0.7667	-3.6681	-7.9777	-0.1314	-0.8699	-0.2694	-7.2591	224
PISO 2	B63	224	ENVE DISEÑO Min	1.3333	-3.6681	-6.3432	-0.1314	-0.8699	-0.196	-3.2083	224
PISO 2	B63	224	ENVE DISEÑO Min	1.9	-3.6681	-4.9617	-0.1314	-0.8699	-0.1241	-0.2186	224
PISO 2	B64	225	ENVE DISEÑO Max	0	4.5389	0.9575	0.0723	0.2867	0.2268	0.5699	225
PISO 2	B64	225	ENVE DISEÑO Max	0.95	4.5389	1.3684	0.0723	0.2867	0.1613	-0.0914	225

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B64	225	ENVE DISEÑO Max	1.9	4.5389	1.7793	0.0723	0.2867	0.1005	-0.9234	225
PISO 2	B64	225	ENVE DISEÑO Max	2.85	4.5389	2.1902	0.0723	0.2867	0.0578	-2.0424	225
PISO 2	B64	225	ENVE DISEÑO Min	0	-4.8556	0.3816	-0.0666	-0.1119	-0.1996	0.0398	225
PISO 2	B64	225	ENVE DISEÑO Min	0.95	-4.8556	0.6897	-0.0666	-0.1119	-0.1395	-0.8349	225
PISO 2	B64	225	ENVE DISEÑO Min	1.9	-4.8556	0.9979	-0.0666	-0.1119	-0.084	-2.2347	225
PISO 2	B64	225	ENVE DISEÑO Min	2.85	-4.8556	1.306	-0.0666	-0.1119	-0.0467	-4.1201	225
PISO 2	B65	309	ENVE DISEÑO Max	0.2	4.3631	-2.1211	0.0132	0.4578	0.0606	-1.3947	309
PISO 2	B65	309	ENVE DISEÑO Max	2	4.3631	-0.4901	0.0132	0.4578	0.0424	1.8181	309
PISO 2	B65	309	ENVE DISEÑO Max	3.8	4.3631	2.1048	0.0132	0.4578	0.0345	2.0045	309
PISO 2	B65	309	ENVE DISEÑO Max	5.6	4.3631	5.2176	0.0132	0.4578	0.0375	-0.919	309
PISO 2	B65	309	ENVE DISEÑO Min	0.2	-4.1175	-5.3261	-0.0111	-0.2017	-0.051	-5.9599	309
PISO 2	B65	309	ENVE DISEÑO Min	2	-4.1175	-2.241	-0.0111	-0.2017	-0.0366	0.2431	309
PISO 2	B65	309	ENVE DISEÑO Min	3.8	-4.1175	0.3524	-0.0111	-0.2017	-0.0324	0.3032	309
PISO 2	B65	309	ENVE DISEÑO Min	5.6	-4.1175	1.9834	-0.0111	-0.2017	-0.0392	-5.6961	309
PISO 2	B66	297	ENVE DISEÑO Max	0.2	3.7191	-2.0288	0.0281	0.3254	0.0836	-1.0043	297
PISO 2	B66	297	ENVE DISEÑO Max	2	3.7191	-0.3977	0.0281	0.3254	0.0354	1.9756	297
PISO 2	B66	297	ENVE DISEÑO Max	3.8	3.7191	2.1839	0.0281	0.3254	0.0219	2.0043	297
PISO 2	B66	297	ENVE DISEÑO Max	5.6	3.7191	5.2424	0.0281	0.3254	0.0706	-0.9575	297
PISO 2	B66	297	ENVE DISEÑO Min	0.2	-3.57	-5.3013	-0.0301	-0.3323	-0.0961	-5.9154	297
PISO 2	B66	297	ENVE DISEÑO Min	2	-3.57	-2.2315	-0.0301	-0.3323	-0.0442	0.3371	297
PISO 2	B66	297	ENVE DISEÑO Min	3.8	-3.57	0.3752	-0.0301	-0.3323	-0.027	0.3715	297
PISO 2	B66	297	ENVE DISEÑO Min	5.6	-3.57	2.0062	-0.0301	-0.3323	-0.0718	-5.7729	297
PISO 2	B73	303	ENVE DISEÑO Max	0.2	4.9098	-2.0405	0.0212	0.1292	0.082	-1.0456	303
PISO 2	B73	303	ENVE DISEÑO Max	2	4.9098	-0.4095	0.0212	0.1292	0.0571	1.9552	303
PISO 2	B73	303	ENVE DISEÑO Max	3.8	4.9098	2.1702	0.0212	0.1292	0.0599	2.024	303
PISO 2	B73	303	ENVE DISEÑO Max	5.6	4.9098	5.2288	0.0212	0.1292	0.0772	-0.9158	303
PISO 2	B73	303	ENVE DISEÑO Min	0.2	-4.7365	-5.3148	-0.0201	-0.2602	-0.0808	-5.9536	303
PISO 2	B73	303	ENVE DISEÑO Min	2	-4.7365	-2.2475	-0.0201	-0.2602	-0.0579	0.328	303
PISO 2	B73	303	ENVE DISEÑO Min	3.8	-4.7365	0.3611	-0.0201	-0.2602	-0.0628	0.3723	303
PISO 2	B73	303	ENVE DISEÑO Min	5.6	-4.7365	1.9921	-0.0201	-0.2602	-0.0821	-5.744	303
PISO 2	B91	305	ENVE DISEÑO Max	0.2	3.1845	-2.1376	0.0148	0.2466	0.0443	-1.2274	305
PISO 2	B91	305	ENVE DISEÑO Max	2	3.1845	-0.5065	0.0148	0.2466	0.0543	1.9758	305
PISO 2	B91	305	ENVE DISEÑO Max	3.8	3.1845	2.0462	0.0148	0.2466	0.0751	2.0502	305
PISO 2	B91	305	ENVE DISEÑO Max	5.6	3.1845	5.166	0.0148	0.2466	0.1007	-1.0576	305
PISO 2	B91	305	ENVE DISEÑO Min	0.2	-2.9811	-5.3777	-0.0166	-0.5893	-0.0497	-5.9061	305
PISO 2	B91	305	ENVE DISEÑO Min	2	-2.9811	-2.2279	-0.0166	-0.5893	-0.0564	0.3126	305
PISO 2	B91	305	ENVE DISEÑO Min	3.8	-2.9811	0.4075	-0.0166	-0.5893	-0.0741	0.4908	305
PISO 2	B91	305	ENVE DISEÑO Min	5.6	-2.9811	2.0386	-0.0166	-0.5893	-0.0964	-5.3181	305
PISO 2	B99	49	ENVE DISEÑO Max	0.2	0.6629	-3.6221	0.0653	0.4745	0.0736	-5.1188	49
PISO 2	B99	49	ENVE DISEÑO Max	0.7667	0.6629	-3.2411	0.0653	0.4745	0.0983	-3.1631	49
PISO 2	B99	49	ENVE DISEÑO Max	1.3333	0.6629	-2.7347	0.0653	0.4745	0.129	-1.475	49
PISO 2	B99	49	ENVE DISEÑO Max	1.9	0.6629	-2.4353	0.0653	0.4745	0.163	-0.0147	49
PISO 2	B99	49	ENVE DISEÑO Min	0.2	-0.6752	-7.4751	-0.0705	-0.4408	-0.0971	-10.6777	49
PISO 2	B99	49	ENVE DISEÑO Min	0.7667	-0.6752	-6.751	-0.0705	-0.4408	-0.1188	-6.6194	49
PISO 2	B99	49	ENVE DISEÑO Min	1.3333	-0.6752	-5.7173	-0.0705	-0.4408	-0.1466	-3.1003	49



Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B99	49	ENVE DISEÑO Min	1.9	-0.6752	-5.1897	-0.0705	-0.4408	-0.1776	-0.0514	49
PISO 2	B101	50	ENVE DISEÑO Max	0.2	1.1025	-3.7622	0.0674	0.4278	0.1025	-5.3485	50
PISO 2	B101	50	ENVE DISEÑO Max	0.7667	1.1025	-3.3812	0.0674	0.4278	0.0729	-3.304	50
PISO 2	B101	50	ENVE DISEÑO Max	1.3333	1.1025	-2.8748	0.0674	0.4278	0.0495	-1.5248	50
PISO 2	B101	50	ENVE DISEÑO Max	1.9	1.1025	-2.5754	0.0674	0.4278	0.0507	0.0225	50
PISO 2	B101	50	ENVE DISEÑO Min	0.2	-1.0598	-7.5753	-0.0649	-0.3851	-0.0934	-10.8239	50
PISO 2	B101	50	ENVE DISEÑO Min	0.7667	-1.0598	-6.8482	-0.0649	-0.3851	-0.0653	-6.7105	50
PISO 2	B101	50	ENVE DISEÑO Min	1.3333	-1.0598	-5.8145	-0.0649	-0.3851	-0.0434	-3.1363	50
PISO 2	B101	50	ENVE DISEÑO Min	1.9	-1.0598	-5.2869	-0.0649	-0.3851	-0.046	-0.0468	50
PISO 2	B103	51	ENVE DISEÑO Max	0.2	0.8786	-3.7518	0.0456	0.4684	0.1317	-5.25	51
PISO 2	B103	51	ENVE DISEÑO Max	0.7667	0.8786	-3.3708	0.0456	0.4684	0.114	-3.2207	51
PISO 2	B103	51	ENVE DISEÑO Max	1.3333	0.8786	-2.8643	0.0456	0.4684	0.0999	-1.459	51
PISO 2	B103	51	ENVE DISEÑO Max	1.9	0.8786	-2.5649	0.0456	0.4684	0.0909	0.0706	51
PISO 2	B103	51	ENVE DISEÑO Min	0.2	-0.8581	-7.8846	-0.0434	-0.0675	-0.1294	-11.3488	51
PISO 2	B103	51	ENVE DISEÑO Min	0.7667	-0.8581	-7.1575	-0.0434	-0.0675	-0.113	-7.0602	51
PISO 2	B103	51	ENVE DISEÑO Min	1.3333	-0.8581	-6.1238	-0.0434	-0.0675	-0.1001	-3.3107	51
PISO 2	B103	51	ENVE DISEÑO Min	1.9	-0.8581	-5.5961	-0.0434	-0.0675	-0.0923	-0.099	51
PISO 2	B104	17	ENVE DISEÑO Max	0	5.7961	7.2845	10.8032	0.2372	1.0638	6.6637	17-1
PISO 2	B104	17	ENVE DISEÑO Max	0.05	5.7961	7.2953	10.8032	0.2372	1.1456	6.329	17-1
PISO 2	B104	17	ENVE DISEÑO Max	0.05	2.3961	16.485	0.0355	0.0701	0.0696	12.8524	17-2
PISO 2	B104	17	ENVE DISEÑO Max	0.6167	2.3961	16.8828	0.0355	0.0701	0.0773	3.5877	17-2
PISO 2	B104	17	ENVE DISEÑO Max	1.2333	2.3961	17.7993	0.0355	0.0701	0.0881	5.456	17-2
PISO 2	B104	17	ENVE DISEÑO Max	1.85	2.3961	18.4348	0.0355	0.0701	0.1021	14.2782	17-2
PISO 2	B104	17	ENVE DISEÑO Min	0	-5.4988	-9.8811	-11.072	-2.4975	-1.0097	-6.4615	17-1
PISO 2	B104	17	ENVE DISEÑO Min	0.05	-5.4988	-9.8667	-11.072	-2.4975	-1.078	-5.9976	17-1
PISO 2	B104	17	ENVE DISEÑO Min	0.05	-2.273	-15.3327	-0.0345	-0.0574	-0.0656	-12.4725	17-2
PISO 2	B104	17	ENVE DISEÑO Min	0.6167	-2.273	-15.0946	-0.0345	-0.0574	-0.0738	-4.0079	17-2
PISO 2	B104	17	ENVE DISEÑO Min	1.2333	-2.273	-14.5969	-0.0345	-0.0574	-0.0853	-7.3905	17-2
PISO 2	B104	17	ENVE DISEÑO Min	1.85	-2.273	-14.2379	-0.0345	-0.0574	-0.0998	-18.5367	17-2
PISO 2	B105	18	ENVE DISEÑO Max	0.2	0.5839	-2.7247	0.0461	0.1434	0.0992	-3.5893	18
PISO 2	B105	18	ENVE DISEÑO Max	0.7667	0.5839	-2.4049	0.0461	0.1434	0.0737	-2.1206	18
PISO 2	B105	18	ENVE DISEÑO Max	1.3333	0.5839	-1.9598	0.0461	0.1434	0.049	-0.8795	18
PISO 2	B105	18	ENVE DISEÑO Max	1.9	0.5839	-1.7216	0.0461	0.1434	0.0282	0.2679	18
PISO 2	B105	18	ENVE DISEÑO Min	0.2	-0.5859	-5.8672	-0.0471	-0.2684	-0.1023	-7.9077	18
PISO 2	B105	18	ENVE DISEÑO Min	0.7667	-0.5859	-5.2218	-0.0471	-0.2684	-0.0764	-4.7392	18
PISO 2	B105	18	ENVE DISEÑO Min	1.3333	-0.5859	-4.2698	-0.0471	-0.2684	-0.0511	-2.0634	18
PISO 2	B105	18	ENVE DISEÑO Min	1.9	-0.5859	-3.8239	-0.0471	-0.2684	-0.0297	0.0044	18
PISO 2	B106	324	ENVE DISEÑO Max	0	5.1079	-1.266	0.0038	0.0837	0.0212	-1.399	324
PISO 2	B106	324	ENVE DISEÑO Max	1.9333	5.1079	-0.4537	0.0038	0.0837	0.014	0.6434	324
PISO 2	B106	324	ENVE DISEÑO Max	3.8667	5.1079	0.9	0.0038	0.0837	0.007	0.7786	324
PISO 2	B106	324	ENVE DISEÑO Max	5.8	5.1079	2.5373	0.0038	0.0837	0.0024	-1.0893	324
PISO 2	B106	324	ENVE DISEÑO Min	0	-5.5271	-2.7716	-0.0041	-0.0207	-0.0238	-3.5732	324
PISO 2	B106	324	ENVE DISEÑO Min	1.9333	-5.5271	-1.1343	-0.0041	-0.0207	-0.0159	-0.084	324
PISO 2	B106	324	ENVE DISEÑO Min	3.8667	-5.5271	0.2738	-0.0041	-0.0207	-0.0081	0.2948	324
PISO 2	B106	324	ENVE DISEÑO Min	5.8	-5.5271	1.0861	-0.0041	-0.0207	-0.0029	-2.8022	324

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B107	329	ENVE DISEÑO Max	0	3.0691	-1.2148	0.0012	0.0518	0.0076	-1.1307	329
PISO 2	B107	329	ENVE DISEÑO Max	1.9333	3.0691	-0.4024	0.0012	0.0518	0.006	0.9761	329
PISO 2	B107	329	ENVE DISEÑO Max	3.8667	3.0691	1.0192	0.0012	0.0518	0.005	0.9721	329
PISO 2	B107	329	ENVE DISEÑO Max	5.8	3.0691	2.6565	0.0012	0.0518	0.0049	-1.1127	329
PISO 2	B107	329	ENVE DISEÑO Min	0	-3.3373	-2.6524	-0.001	-0.055	-0.0067	-2.8272	329
PISO 2	B107	329	ENVE DISEÑO Min	1.9333	-3.3373	-1.0151	-0.001	-0.055	-0.0056	0.3996	329
PISO 2	B107	329	ENVE DISEÑO Min	3.8667	-3.3373	0.4078	-0.001	-0.055	-0.0051	0.3658	329
PISO 2	B107	329	ENVE DISEÑO Min	5.8	-3.3373	1.2201	-0.001	-0.055	-0.0055	-2.8392	329
PISO 2	B108	331	ENVE DISEÑO Max	0	4.8619	-1.1942	0.0019	0.0154	0.003	-1.2365	331
PISO 2	B108	331	ENVE DISEÑO Max	1.9333	4.8619	-0.3819	0.0019	0.0154	0.004	0.8893	331
PISO 2	B108	331	ENVE DISEÑO Max	3.8667	4.8619	1.0412	0.0019	0.0154	0.0071	0.9503	331
PISO 2	B108	331	ENVE DISEÑO Max	5.8	4.8619	2.6785	0.0019	0.0154	0.0108	-1.0527	331
PISO 2	B108	331	ENVE DISEÑO Min	0	-5.1039	-2.6304	-0.002	-0.043	-0.0039	-2.8715	331
PISO 2	B108	331	ENVE DISEÑO Min	1.9333	-5.1039	-0.9931	-0.002	-0.043	-0.0046	0.3581	331
PISO 2	B108	331	ENVE DISEÑO Min	3.8667	-5.1039	0.4057	-0.002	-0.043	-0.0074	0.1781	331
PISO 2	B108	331	ENVE DISEÑO Min	5.8	-5.1039	1.218	-0.002	-0.043	-0.0108	-3.012	331
PISO 2	B109	336	ENVE DISEÑO Max	0	2.9669	-1.3258	0.0027	0.0391	0.0067	-1.2373	336
PISO 2	B109	336	ENVE DISEÑO Max	1.9333	2.9669	-0.5135	0.0027	0.0391	0.0063	1.0709	336
PISO 2	B109	336	ENVE DISEÑO Max	3.8667	2.9669	0.7539	0.0027	0.0391	0.0083	1.5265	336
PISO 2	B109	336	ENVE DISEÑO Max	5.8	2.9669	2.3912	0.0027	0.0391	0.0119	-0.619	336
PISO 2	B109	336	ENVE DISEÑO Min	0	-3.0923	-2.9177	-0.0026	-0.095	-0.0067	-3.2987	336
PISO 2	B109	336	ENVE DISEÑO Min	1.9333	-3.0923	-1.2804	-0.0026	-0.095	-0.0065	0.2703	336
PISO 2	B109	336	ENVE DISEÑO Min	3.8667	-3.0923	0.2655	-0.0026	-0.095	-0.0087	0.567	336
PISO 2	B109	336	ENVE DISEÑO Min	5.8	-3.0923	1.0779	-0.0026	-0.095	-0.0126	-1.8138	336
PISO 2	B113	35	ENVE DISEÑO Max	0	3.387	1.1896	6.8199	0.1237	1.5545	2.7978	35-1
PISO 2	B113	35	ENVE DISEÑO Max	0.05	3.387	1.1978	6.8199	0.1237	1.2936	2.7385	35-1
PISO 2	B113	35	ENVE DISEÑO Max	0.05	1.0356	1.5489	0.0321	0.2458	0.0673	2.5226	35-2
PISO 2	B113	35	ENVE DISEÑO Max	0.6833	1.0356	1.7238	0.0321	0.2458	0.047	1.5101	35-2
PISO 2	B113	35	ENVE DISEÑO Max	1.3667	1.0356	2.049	0.0321	0.2458	0.0254	0.3127	35-2
PISO 2	B113	35	ENVE DISEÑO Max	2.05	1.0356	2.3672	0.0321	0.2458	0.0064	0.4203	35-2
PISO 2	B113	35	ENVE DISEÑO Min	0	-3.4972	-3.0679	-7.0872	-0.0112	-1.5894	-5.2822	35-1
PISO 2	B113	35	ENVE DISEÑO Min	0.05	-3.4972	-3.0571	-7.0872	-0.0112	-1.3151	-5.1295	35-1
PISO 2	B113	35	ENVE DISEÑO Min	0.05	-1.1123	-3.0411	-0.0327	-0.0914	-0.0688	-4.9715	35-2
PISO 2	B113	35	ENVE DISEÑO Min	0.6833	-1.1123	-2.7577	-0.0327	-0.0914	-0.0482	-3.136	35-2
PISO 2	B113	35	ENVE DISEÑO Min	1.3667	-1.1123	-2.2074	-0.0327	-0.0914	-0.0262	-1.528	35-2
PISO 2	B113	35	ENVE DISEÑO Min	2.05	-1.1123	-2.0125	-0.0327	-0.0914	-0.0068	-1.7316	35-2
PISO 2	B114	36	ENVE DISEÑO Max	0	0.7819	-0.3835	0.0144	0.1649	0.0392	-0.0794	36
PISO 2	B114	36	ENVE DISEÑO Max	0.6333	0.7819	-0.2086	0.0144	0.1649	0.0329	0.1193	36
PISO 2	B114	36	ENVE DISEÑO Max	1.2667	0.7819	0.0746	0.0144	0.1649	0.0269	0.1687	36
PISO 2	B114	36	ENVE DISEÑO Max	1.9	0.7819	0.2971	0.0144	0.1649	0.0216	0.077	36
PISO 2	B114	36	ENVE DISEÑO Min	0	-0.7986	-1.1544	-0.0139	-0.2989	-0.0378	-1.4415	36
PISO 2	B114	36	ENVE DISEÑO Min	0.6333	-0.7986	-0.8711	-0.0139	-0.2989	-0.0317	-0.7882	36
PISO 2	B114	36	ENVE DISEÑO Min	1.2667	-0.7986	-0.3681	-0.0139	-0.2989	-0.026	-0.4028	36
PISO 2	B114	36	ENVE DISEÑO Min	1.9	-0.7986	-0.1322	-0.0139	-0.2989	-0.021	-0.2935	36
PISO 2	B115	47	ENVE DISEÑO Max	0	1.0282	-0.5512	0.0118	0.2935	0.0188	-0.5902	47

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B115	47	ENVE DISEÑO Max	0.6667	1.0282	-0.3631	0.0118	0.2935	0.0209	-0.2444	47
PISO 2	B115	47	ENVE DISEÑO Max	1.3333	1.0282	-0.0559	0.0118	0.2935	0.0247	-0.0009	47
PISO 2	B115	47	ENVE DISEÑO Max	2	1.0282	0.1322	0.0118	0.2935	0.0292	0.1649	47
PISO 2	B115	47	ENVE DISEÑO Min	0	-1.0471	-1.4577	-0.0121	-0.077	-0.0183	-1.7175	47
PISO 2	B115	47	ENVE DISEÑO Min	0.6667	-1.0471	-1.1513	-0.0121	-0.077	-0.0202	-0.862	47
PISO 2	B115	47	ENVE DISEÑO Min	1.3333	-1.0471	-0.6034	-0.0121	-0.077	-0.0238	-0.3809	47
PISO 2	B115	47	ENVE DISEÑO Min	2	-1.0471	-0.2971	-0.0121	-0.077	-0.0281	-0.2989	47
PISO 2	B116	48	ENVE DISEÑO Max	0.2	1.314	0.4752	0.0143	0.3492	0.0718	1.6465	48
PISO 2	B116	48	ENVE DISEÑO Max	0.8	1.314	0.8209	0.0143	0.3492	0.0722	1.2707	48
PISO 2	B116	48	ENVE DISEÑO Max	1.4	1.314	1.3098	0.0143	0.3492	0.073	0.6258	48
PISO 2	B116	48	ENVE DISEÑO Max	2	1.314	1.5691	0.0143	0.3492	0.0742	0.5422	48
PISO 2	B116	48	ENVE DISEÑO Min	0.2	-1.3201	-5.4097	-0.0152	-0.5588	-0.0752	-7.3269	48
PISO 2	B116	48	ENVE DISEÑO Min	0.8	-1.3201	-4.7987	-0.0152	-0.5588	-0.0751	-4.2382	48
PISO 2	B116	48	ENVE DISEÑO Min	1.4	-1.3201	-3.8975	-0.0152	-0.5588	-0.0753	-1.6422	48
PISO 2	B116	48	ENVE DISEÑO Min	2	-1.3201	-3.4617	-0.0152	-0.5588	-0.076	-0.2538	48
PISO 2	B117	356	ENVE DISEÑO Max	0	7.4344	-1.196	0.018	0.3983	0.0859	-0.255	356
PISO 2	B117	356	ENVE DISEÑO Max	1.9333	7.4344	-0.2619	0.018	0.3983	0.0513	1.8835	356
PISO 2	B117	356	ENVE DISEÑO Max	3.8667	7.4344	1.3164	0.018	0.3983	0.0171	1.4287	356
PISO 2	B117	356	ENVE DISEÑO Max	5.8	7.4344	3.0432	0.018	0.3983	0.0193	-0.9232	356
PISO 2	B117	356	ENVE DISEÑO Min	0	-6.7253	-2.8531	-0.0192	-0.1078	-0.093	-3.0697	356
PISO 2	B117	356	ENVE DISEÑO Min	1.9333	-6.7253	-1.1531	-0.0192	-0.1078	-0.056	0.3258	356
PISO 2	B117	356	ENVE DISEÑO Min	3.8667	-6.7253	0.3515	-0.0192	-0.1078	-0.0195	0.5556	356
PISO 2	B117	356	ENVE DISEÑO Min	5.8	-6.7253	1.2855	-0.0192	-0.1078	-0.0194	-3.1349	356
PISO 2	B117	356	ENVE DISEÑO Min	0	6.1289	-1.4251	0.0043	0.1357	0.0254	-1.2316	357
PISO 2	B118	357	ENVE DISEÑO Max	1.9333	6.1289	-0.491	0.0043	0.1357	0.0186	1.1691	357
PISO 2	B118	357	ENVE DISEÑO Max	3.8667	6.1289	1.1489	0.0043	0.1357	0.014	1.1069	357
PISO 2	B118	357	ENVE DISEÑO Max	5.8	6.1289	2.9677	0.0043	0.1357	0.014	-1.4657	357
PISO 2	B118	357	ENVE DISEÑO Min	0	-5.4989	-2.9287	-0.0038	-0.1284	-0.0236	-3.038	357
PISO 2	B118	357	ENVE DISEÑO Min	1.9333	-5.4989	-1.1099	-0.0038	-0.1284	-0.0179	0.4035	357
PISO 2	B118	357	ENVE DISEÑO Min	3.8667	-5.4989	0.5138	-0.0038	-0.1284	-0.0143	0.464	357
PISO 2	B118	357	ENVE DISEÑO Min	5.8	-5.4989	1.4479	-0.0038	-0.1284	-0.0153	-3.1511	357
PISO 2	B119	358	ENVE DISEÑO Max	0	8.0204	-1.3029	0.0059	-0.0019	0.0068	-1.401	358
PISO 2	B119	358	ENVE DISEÑO Max	1.9333	8.0204	-0.3688	0.0059	-0.0019	0.0078	1.3717	358
PISO 2	B119	358	ENVE DISEÑO Max	3.8667	8.0204	1.146	0.0059	-0.0019	0.0186	1.9561	358
PISO 2	B119	358	ENVE DISEÑO Max	5.8	8.0204	2.8703	0.0059	-0.0019	0.0305	-0.1122	358
PISO 2	B119	358	ENVE DISEÑO Min	0	-7.4564	-3.026	-0.0063	-0.0792	-0.009	-3.1471	358
PISO 2	B119	358	ENVE DISEÑO Min	1.9333	-7.4564	-1.2886	-0.0063	-0.0792	-0.0092	0.3131	358
PISO 2	B119	358	ENVE DISEÑO Min	3.8667	-7.4564	0.2795	-0.0063	-0.0792	-0.0192	-0.0471	358
PISO 2	B119	358	ENVE DISEÑO Min	5.8	-7.4564	1.2136	-0.0063	-0.0792	-0.0303	-3.533	358
PISO 2	B120	359	ENVE DISEÑO Max	0	11.1091	-0.5582	0.0131	0.0712	0.0235	0.7685	359
PISO 2	B120	359	ENVE DISEÑO Max	1.9333	11.1091	0.3759	0.0131	0.0712	0.0213	1.5248	359
PISO 2	B120	359	ENVE DISEÑO Max	3.8667	11.1091	2.0321	0.0131	0.0712	0.0377	1.5197	359
PISO 2	B120	359	ENVE DISEÑO Max	5.8	11.1091	3.6358	0.0131	0.0712	0.057	0.2726	359
PISO 2	B120	359	ENVE DISEÑO Min	0	-10.6197	-3.0374	-0.0126	-0.4121	-0.0231	-3.9032	359
PISO 2	B120	359	ENVE DISEÑO Min	1.9333	-10.6197	-1.4336	-0.0126	-0.4121	-0.0219	0.1839	359

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B120	359	ENVE DISEÑO Min	3.8667	-10.6197	-0.0069	-0.0126	-0.4121	-0.0395	-0.7462	359
PISO 2	B120	359	ENVE DISEÑO Min	5.8	-10.6197	0.9271	-0.0126	-0.4121	-0.0599	-6.2127	359
PISO 2	B121	360	ENVE DISEÑO Max	0	2.392	-0.425	0.0383	0.1825	0.0771	-0.1833	360
PISO 2	B121	360	ENVE DISEÑO Max	0.6667	2.392	-0.2008	0.0383	0.1825	0.0842	0.035	360
PISO 2	B121	360	ENVE DISEÑO Max	1.3333	2.392	0.1434	0.0383	0.1825	0.1017	0.066	360
PISO 2	B121	360	ENVE DISEÑO Max	2	2.392	0.4434	0.0383	0.1825	0.1215	0.0958	360
PISO 2	B121	360	ENVE DISEÑO Min	0	-2.2383	-1.3071	-0.0388	-0.2405	-0.0749	-1.2236	360
PISO 2	B121	360	ENVE DISEÑO Min	0.6667	-2.2383	-0.9527	-0.0388	-0.2405	-0.0816	-0.4531	360
PISO 2	B121	360	ENVE DISEÑO Min	1.3333	-2.2383	-0.3549	-0.0388	-0.2405	-0.0988	-0.0291	360
PISO 2	B121	360	ENVE DISEÑO Min	2	-2.2383	-0.0763	-0.0388	-0.2405	-0.1182	-0.1377	360
PISO 2	B122	361	ENVE DISEÑO Max	0	2.1595	5.9719	0.0741	0.315	0.2085	0.2917	361
PISO 2	B122	361	ENVE DISEÑO Max	0.6	2.1595	6.5482	0.0741	0.315	0.1674	-1.5077	361
PISO 2	B122	361	ENVE DISEÑO Max	1.2	2.1595	7.6877	0.0741	0.315	0.1285	-3.4974	361
PISO 2	B122	361	ENVE DISEÑO Max	1.8	2.1595	8.4752	0.0741	0.315	0.095	-5.7944	361
PISO 2	B122	361	ENVE DISEÑO Min	0	-2.2962	2.7204	-0.0773	-0.4064	-0.1946	-0.0085	361
PISO 2	B122	361	ENVE DISEÑO Min	0.6	-2.2962	3.0447	-0.0773	-0.4064	-0.1516	-3.5241	361
PISO 2	B122	361	ENVE DISEÑO Min	1.2	-2.2962	3.5993	-0.0773	-0.4064	-0.1108	-7.7796	361
PISO 2	B122	361	ENVE DISEÑO Min	1.8	-2.2962	4.0099	-0.0773	-0.4064	-0.0754	-12.6601	361
PISO 2	B123	362	ENVE DISEÑO Max	0	1.279	5.9937	0.0617	0.2247	0.0453	0.1806	362
PISO 2	B123	362	ENVE DISEÑO Max	0.6	1.279	6.57	0.0617	0.2247	0.0582	-1.8397	362
PISO 2	B123	362	ENVE DISEÑO Max	1.2	1.279	7.7095	0.0617	0.2247	0.0822	-3.865	362
PISO 2	B123	362	ENVE DISEÑO Max	1.8	1.279	8.497	0.0617	0.2247	0.1104	-6.1967	362
PISO 2	B123	362	ENVE DISEÑO Min	0	-1.3503	2.7799	-0.0593	-0.2238	-0.0492	-0.0921	362
PISO 2	B123	362	ENVE DISEÑO Min	0.6	-1.3503	3.1041	-0.0593	-0.2238	-0.0635	-3.6764	362
PISO 2	B123	362	ENVE DISEÑO Min	1.2	-1.3503	3.6587	-0.0593	-0.2238	-0.089	-7.945	362
PISO 2	B123	362	ENVE DISEÑO Min	1.8	-1.3503	4.0694	-0.0593	-0.2238	-0.1186	-12.8386	362
PISO 2	B124	363	ENVE DISEÑO Max	0	1.3473	5.7846	0.0441	1.025	0.1324	0.3665	363
PISO 2	B124	363	ENVE DISEÑO Max	0.6	1.3473	6.3069	0.0441	1.025	0.1249	-0.8514	363
PISO 2	B124	363	ENVE DISEÑO Max	1.2	1.3473	7.2964	0.0441	1.025	0.1208	-2.2712	363
PISO 2	B124	363	ENVE DISEÑO Max	1.8	1.3473	7.9939	0.0441	1.025	0.1244	-3.9994	363
PISO 2	B124	363	ENVE DISEÑO Min	0	-1.477	1.7742	-0.0435	-0.5145	-0.1329	-0.1068	363
PISO 2	B124	363	ENVE DISEÑO Min	0.6	-1.477	2.0985	-0.0435	-0.5145	-0.1257	-3.639	363
PISO 2	B124	363	ENVE DISEÑO Min	1.2	-1.477	2.6531	-0.0435	-0.5145	-0.1219	-7.7068	363
PISO 2	B124	363	ENVE DISEÑO Min	1.8	-1.477	3.0637	-0.0435	-0.5145	-0.126	-12.3199	363
PISO 2	B129	364	ENVE DISEÑO Max	0	5.7961	7.2845	10.8032	0.2372	1.0638	6.6637	364
PISO 2	B129	364	ENVE DISEÑO Max	0.0167	5.7961	7.2881	10.8032	0.2372	1.0682	6.5522	364
PISO 2	B129	364	ENVE DISEÑO Max	0.0333	5.7961	7.2917	10.8032	0.2372	1.0983	6.4406	364
PISO 2	B129	364	ENVE DISEÑO Max	0.05	5.7961	7.2953	10.8032	0.2372	1.1456	6.329	364
PISO 2	B129	364	ENVE DISEÑO Min	0	-5.4988	-9.8811	-11.072	-2.4975	-1.0097	-6.4615	364
PISO 2	B129	364	ENVE DISEÑO Min	0.0167	-5.4988	-9.8763	-11.072	-2.4975	-1.0096	-6.3068	364
PISO 2	B129	364	ENVE DISEÑO Min	0.0333	-5.4988	-9.8715	-11.072	-2.4975	-1.0352	-6.1522	364
PISO 2	B129	364	ENVE DISEÑO Min	0.05	-5.4988	-9.8667	-11.072	-2.4975	-1.078	-5.9976	364
PISO 2	B36	484	ENVE DISEÑO Max	0	0.8733	-0.7673	0.0023	3.882E-06	0.0057	-1.7355	484
PISO 2	B36	484	ENVE DISEÑO Max	1.8833	0.8733	-0.4619	0.0023	3.882E-06	0.0016	-0.578	484
PISO 2	B36	484	ENVE DISEÑO Max	3.7667	0.8733	-0.1564	0.0023	3.882E-06	0.003	0.0042	484



Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B36	484	ENVE DISEÑO Max	5.65	0.8733	0.2185	0.0023	3.882E-06	0.0075	0.0164	484
PISO 2	B36	484	ENVE DISEÑO Min	0	-1.0909	-1.207	-0.0025	-0.0001	-0.0066	-2.776	484
PISO 2	B36	484	ENVE DISEÑO Min	1.8833	-1.0909	-0.7318	-0.0025	-0.0001	-0.0022	-0.9503	484
PISO 2	B36	484	ENVE DISEÑO Min	3.7667	-1.0909	-0.2567	-0.0025	-0.0001	-0.0033	-0.0328	484
PISO 2	B36	484	ENVE DISEÑO Min	5.65	-1.0909	0.1319	-0.0025	-0.0001	-0.0074	0.0099	484
PISO 2	B61	485	ENVE DISEÑO Max	0	0.7116	-0.1524	0.0108	-0.0656	0.0166	0.2603	485
PISO 2	B61	485	ENVE DISEÑO Max	0.4667	0.7116	-0.0767	0.0108	-0.0656	0.0116	0.3567	485
PISO 2	B61	485	ENVE DISEÑO Max	0.9333	0.7116	-0.001	0.0108	-0.0656	0.0069	0.5672	485
PISO 2	B61	485	ENVE DISEÑO Max	1.4	0.7116	0.0747	0.0108	-0.0656	0.0033	0.8111	485
PISO 2	B61	485	ENVE DISEÑO Min	0	-0.7113	-1.1568	-0.0113	-0.1947	-0.0176	-0.8683	485
PISO 2	B61	485	ENVE DISEÑO Min	0.4667	-0.7113	-1.0559	-0.0113	-0.1947	-0.0125	-0.3949	485
PISO 2	B61	485	ENVE DISEÑO Min	0.9333	-0.7113	-0.955	-0.0113	-0.1947	-0.0075	-0.118	485
PISO 2	B61	485	ENVE DISEÑO Min	1.4	-0.7113	-0.8541	-0.0113	-0.1947	-0.0037	0.043	485
PISO 2	B62	486	ENVE DISEÑO Max	0	0.4405	1.7978	0.0107	0.1897	0.0045	0.7943	486
PISO 2	B62	486	ENVE DISEÑO Max	0.4833	0.4405	1.9023	0.0107	0.1897	0.0063	-0.0348	486
PISO 2	B62	486	ENVE DISEÑO Max	0.9667	0.4405	2.0068	0.0107	0.1897	0.0108	-0.4881	486
PISO 2	B62	486	ENVE DISEÑO Max	1.45	0.4405	2.1113	0.0107	0.1897	0.0158	-0.8569	486
PISO 2	B62	486	ENVE DISEÑO Min	0	-0.5355	0.5089	-0.0111	0.0541	-0.0045	0.02	486
PISO 2	B62	486	ENVE DISEÑO Min	0.4833	-0.5355	0.5873	-0.0111	0.0541	-0.0061	-0.3294	486
PISO 2	B62	486	ENVE DISEÑO Min	0.9667	-0.5355	0.6656	-0.0111	0.0541	-0.0104	-1.1042	486
PISO 2	B62	486	ENVE DISEÑO Min	1.45	-0.5355	0.744	-0.0111	0.0541	-0.0153	-2.0713	486
PISO 2	B76	487	ENVE DISEÑO Max	0	1.1107	0.4131	0.0165	0.3003	0.0204	-0.0154	487
PISO 2	B76	487	ENVE DISEÑO Max	0.9333	1.1107	1.5118	0.0165	0.3003	0.0154	-0.4974	487
PISO 2	B76	487	ENVE DISEÑO Max	1.8667	1.1107	2.6275	0.0165	0.3003	0.0215	-1.5652	487
PISO 2	B76	487	ENVE DISEÑO Max	2.8	1.1107	3.7433	0.0165	0.3003	0.0324	-3.2245	487
PISO 2	B76	487	ENVE DISEÑO Min	0	-1.1249	0.1934	-0.0144	0.0802	-0.0185	-0.0369	487
PISO 2	B76	487	ENVE DISEÑO Min	0.9333	-1.1249	0.8272	-0.0144	0.0802	-0.0155	-0.9272	487
PISO 2	B76	487	ENVE DISEÑO Min	1.8667	-1.1249	1.461	-0.0144	0.0802	-0.0235	-2.8589	487
PISO 2	B76	487	ENVE DISEÑO Min	2.8	-1.1249	2.0948	-0.0144	0.0802	-0.0364	-5.832	487
PISO 2	B85	489	ENVE DISEÑO Max	0	0.8109	0.0995	0.0037	-0.0154	0.004	0.0738	489
PISO 2	B85	489	ENVE DISEÑO Max	0.4833	0.8109	0.2041	0.0037	-0.0154	0.0029	0.0311	489
PISO 2	B85	489	ENVE DISEÑO Max	0.9667	0.8109	0.3086	0.0037	-0.0154	0.0028	-0.0056	489
PISO 2	B85	489	ENVE DISEÑO Max	1.45	0.8109	0.4131	0.0037	-0.0154	0.0038	-0.0802	489
PISO 2	B85	489	ENVE DISEÑO Min	0	-0.8875	-0.0418	-0.0039	-0.0369	-0.0039	0.0294	489
PISO 2	B85	489	ENVE DISEÑO Min	0.4833	-0.8875	0.0366	-0.0039	-0.0369	-0.0028	-0.0021	489
PISO 2	B85	489	ENVE DISEÑO Min	0.9667	-0.8875	0.115	-0.0039	-0.0369	-0.0027	-0.1259	489
PISO 2	B85	489	ENVE DISEÑO Min	1.45	-0.8875	0.1934	-0.0039	-0.0369	-0.0036	-0.3003	489
PISO 2	B89	490	ENVE DISEÑO Max	0.275	7.9387	1.369	0.5455	0.2244	0.4132	3.0772	490
PISO 2	B89	490	ENVE DISEÑO Max	0.65	7.9387	1.4906	0.5455	0.2244	0.2143	2.829	490
PISO 2	B89	490	ENVE DISEÑO Max	1.025	7.9387	1.6122	0.5455	0.2244	0.0716	2.5965	490
PISO 2	B89	490	ENVE DISEÑO Max	1.4	7.9387	1.7339	0.5455	0.2244	0.1921	2.6076	490
PISO 2	B89	490	ENVE DISEÑO Min	0.275	-7.9492	-5.6889	-0.4613	-0.4798	-0.3436	-4.1597	490
PISO 2	B89	490	ENVE DISEÑO Min	0.65	-7.9492	-5.5267	-0.4613	-0.4798	-0.1763	-2.3447	490
PISO 2	B89	490	ENVE DISEÑO Min	1.025	-7.9492	-5.3646	-0.4613	-0.4798	-0.0652	-0.6519	490
PISO 2	B89	490	ENVE DISEÑO Min	1.4	-7.9492	-5.2024	-0.4613	-0.4798	-0.2173	0.6909	490

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B125	491	ENVE DISEÑO Max	0	6.7475	5.529	0.2052	0.5189	0.1145	2.6846	491
PISO 2	B125	491	ENVE DISEÑO Max	0.4167	6.7475	5.7092	0.2052	0.5189	0.05	1.7771	491
PISO 2	B125	491	ENVE DISEÑO Max	0.8333	6.7475	5.8894	0.2052	0.5189	0.0581	1.6705	491
PISO 2	B125	491	ENVE DISEÑO Max	1.25	6.7475	6.0696	0.2052	0.5189	0.1115	1.8961	491
PISO 2	B125	491	ENVE DISEÑO Min	0	-6.7324	-0.9251	-0.1531	-0.1913	-0.1012	0.7126	491
PISO 2	B125	491	ENVE DISEÑO Min	0.4167	-6.7324	-0.7899	-0.1531	-0.1913	-0.0584	-0.3639	491
PISO 2	B125	491	ENVE DISEÑO Min	0.8333	-6.7324	-0.6548	-0.1531	-0.1913	-0.0882	-2.3727	491
PISO 2	B125	491	ENVE DISEÑO Min	1.25	-6.7324	-0.5196	-0.1531	-0.1913	-0.1633	-4.8451	491
PISO 2	B127	492	ENVE DISEÑO Max	0	5.4168	-0.847	0.0253	0.1733	0.0201	-0.3446	492
PISO 2	B127	492	ENVE DISEÑO Max	0.4667	5.4168	-0.7713	0.0253	0.1733	0.0103	0.102	492
PISO 2	B127	492	ENVE DISEÑO Max	0.9333	5.4168	-0.6957	0.0253	0.1733	0.009	0.8893	492
PISO 2	B127	492	ENVE DISEÑO Max	1.4	5.4168	-0.62	0.0253	0.1733	0.0185	1.7197	492
PISO 2	B127	492	ENVE DISEÑO Min	0	-5.3687	-2.1785	-0.0263	0.0644	-0.0222	-1.2886	492
PISO 2	B127	492	ENVE DISEÑO Min	0.4667	-5.3687	-2.0776	-0.0263	0.0644	-0.0118	-0.3644	492
PISO 2	B127	492	ENVE DISEÑO Min	0.9333	-5.3687	-1.9767	-0.0263	0.0644	-0.0101	0.1366	492
PISO 2	B127	492	ENVE DISEÑO Min	1.4	-5.3687	-1.8758	-0.0263	0.0644	-0.019	0.5121	492
PISO 2	B131	493	ENVE DISEÑO Max	0	2.4697	1.6855	0.003	0.0079	0.0042	1.583	493
PISO 2	B131	493	ENVE DISEÑO Max	0.4833	2.4697	1.7901	0.003	0.0079	0.0034	0.7829	493
PISO 2	B131	493	ENVE DISEÑO Max	0.9667	2.4697	1.8946	0.003	0.0079	0.003	0.2293	493
PISO 2	B131	493	ENVE DISEÑO Max	1.45	2.4697	1.9991	0.003	0.0079	0.0029	-0.008	493
PISO 2	B131	493	ENVE DISEÑO Min	0	-2.2536	0.2274	-0.0017	-0.0404	-0.0033	0.4889	493
PISO 2	B131	493	ENVE DISEÑO Min	0.4833	-2.2536	0.3057	-0.0017	-0.0404	-0.0031	0.3516	493
PISO 2	B131	493	ENVE DISEÑO Min	0.9667	-2.2536	0.3841	-0.0017	-0.0404	-0.0033	-0.1834	493
PISO 2	B131	493	ENVE DISEÑO Min	1.45	-2.2536	0.4625	-0.0017	-0.0404	-0.0039	-1.0917	493
PISO 2	B134	494	ENVE DISEÑO Max	0	0.6972	0.0418	0.0024	0.0738	0.0028	0.0369	494
PISO 2	B134	494	ENVE DISEÑO Max	0.9333	0.6972	0.8314	0.0024	0.0738	0.0019	-0.1625	494
PISO 2	B134	494	ENVE DISEÑO Max	1.8667	0.6972	1.7453	0.0024	0.0738	0.003	-0.7912	494
PISO 2	B134	494	ENVE DISEÑO Max	2.8	0.6972	2.6592	0.0024	0.0738	0.005	-1.8701	494
PISO 2	B134	494	ENVE DISEÑO Min	0	-0.7058	-0.0995	-0.0024	0.0294	-0.0029	0.0154	494
PISO 2	B134	494	ENVE DISEÑO Min	0.9333	-0.7058	0.4323	-0.0024	0.0294	-0.002	-0.3371	494
PISO 2	B134	494	ENVE DISEÑO Min	1.8667	-0.7058	0.9148	-0.0024	0.0294	-0.0031	-1.5151	494
PISO 2	B134	494	ENVE DISEÑO Min	2.8	-0.7058	1.3972	-0.0024	0.0294	-0.005	-3.5705	494
PISO 2	B135	495	ENVE DISEÑO Max	0	0.8412	0.5924	0.0066	0.0231	0.0073	-1.7301	495
PISO 2	B135	495	ENVE DISEÑO Max	0.2333	0.8412	0.8645	0.0066	0.0231	0.0093	-1.5191	495
PISO 2	B135	495	ENVE DISEÑO Max	0.4667	0.8412	1.2728	0.0066	0.0231	0.0127	-1.3631	495
PISO 2	B135	495	ENVE DISEÑO Max	0.7	0.8412	1.6811	0.0066	0.0231	0.0168	-1.2636	495
PISO 2	B135	495	ENVE DISEÑO Min	0	-0.7635	-1.1742	-0.0224	-0.082	-0.0108	-3.3837	495
PISO 2	B135	495	ENVE DISEÑO Min	0.2333	-0.7635	-0.7941	-0.0224	-0.082	-0.0091	-3.3768	495
PISO 2	B135	495	ENVE DISEÑO Min	0.4667	-0.7635	-0.5502	-0.0224	-0.082	-0.0088	-3.6253	495
PISO 2	B135	495	ENVE DISEÑO Min	0.7	-0.7635	-0.3063	-0.0224	-0.082	-0.0092	-3.9695	495
PISO 2	B141	496	ENVE DISEÑO Max	0	0.613	-2.1553	0.006	0.0333	0.0109	-0.8675	496
PISO 2	B141	496	ENVE DISEÑO Max	1.1667	0.613	-0.9358	0.006	0.0333	0.0045	0.996	496
PISO 2	B141	496	ENVE DISEÑO Max	2.3333	0.613	0.2837	0.006	0.0333	0.0049	1.8689	496
PISO 2	B141	496	ENVE DISEÑO Max	3.5	0.613	2.3144	0.006	0.0333	0.0126	0.3601	496
PISO 2	B141	496	ENVE DISEÑO Min	0	-0.6258	-4.6657	-0.0072	0.0064	-0.0135	-4.9486	496

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B141	496	ENVE DISEÑO Min	1.1667	-0.6258	-2.5006	-0.0072	0.0064	-0.0057	-0.9007	496
PISO 2	B141	496	ENVE DISEÑO Min	2.3333	-0.6258	-0.4589	-0.0072	0.0064	-0.0047	0.3332	496
PISO 2	B141	496	ENVE DISEÑO Min	3.5	-0.6258	0.7716	-0.0072	0.0064	-0.011	0.144	496
PISO 2	B79	257	ENVE DISEÑO Max	0.3	2.8149	-14.0603	0.0206	0.5597	0.0924	-14.119	257-1
PISO 2	B79	257	ENVE DISEÑO Max	3.1	2.8149	-3.4788	0.0206	0.5597	0.0697	14.0431	257-1
PISO 2	B79	257	ENVE DISEÑO Max	5.9	2.8149	9.0937	0.0206	0.5597	0.0926	13.8088	257-1
PISO 2	B79	257	ENVE DISEÑO Max	5.9093	2.8149	9.1101	0.0206	0.5597	0.0927	13.7569	257-1
PISO 2	B79	257	ENVE DISEÑO Max	5.9093	2.1401	9.7595	0.3062	0.5597	0.2642	13.7569	257-2
PISO 2	B79	257	ENVE DISEÑO Max	7.4	2.1401	18.0246	0.3062	0.5597	0.2434	0.62	257-2
PISO 2	B79	257	ENVE DISEÑO Max	7.4	3.0912	18.0246	1.0311	0.5597	0.1656	0.62	257-3
PISO 2	B79	257	ENVE DISEÑO Max	8.7	3.0912	25.277	1.0311	0.5597	1.4199	-14.6309	257-3
PISO 2	B79	257	ENVE DISEÑO Min	0.3	-3.5584	-25.0811	-0.0194	-0.4784	-0.0674	-39.2262	257-1
PISO 2	B79	257	ENVE DISEÑO Min	3.1	-3.5584	-9.4605	-0.0194	-0.4784	-0.048	5.5247	257-1
PISO 2	B79	257	ENVE DISEÑO Min	5.9	-3.5584	3.2299	-0.0194	-0.4784	-0.0742	5.3999	257-1
PISO 2	B79	257	ENVE DISEÑO Min	5.9093	-3.5584	3.2413	-0.0194	-0.4784	-0.0743	5.3376	257-1
PISO 2	B79	257	ENVE DISEÑO Min	5.9093	-3.5266	3.6758	-0.3136	-0.4784	-0.3355	5.3376	257-2
PISO 2	B79	257	ENVE DISEÑO Min	7.4	-3.5266	9.275	-0.3136	-0.4784	-0.3037	-11.8267	257-2
PISO 2	B79	257	ENVE DISEÑO Min	7.4	-4.0465	9.275	-1.1713	-0.4784	-0.1769	-11.8267	257-3
PISO 2	B79	257	ENVE DISEÑO Min	8.7	-4.0465	14.1879	-1.1713	-0.4784	-1.2489	-39.9728	257-3
PISO 2	B28	263	ENVE DISEÑO Max	0	7.2932	-2.0011	0.2395	0.374	0.4604	-0.6122	263-1
PISO 2	B28	263	ENVE DISEÑO Max	1.1333	7.2932	1.3071	0.2395	0.374	0.2261	0.5418	263-1
PISO 2	B28	263	ENVE DISEÑO Max	1.8	7.2932	4.2698	0.2395	0.374	0.1597	-0.3864	263-1
PISO 2	B28	263	ENVE DISEÑO Max	1.8	5.3877	-2.0149	0.409	0.3085	0.6351	-0.3106	263-2
PISO 2	B28	263	ENVE DISEÑO Max	2.2667	5.3877	-0.6056	0.409	0.3085	0.4926	0.3841	263-2
PISO 2	B28	263	ENVE DISEÑO Max	3.4	5.3877	3.9535	0.409	0.3085	0.4131	-0.3006	263-2
PISO 2	B28	263	ENVE DISEÑO Min	0	-5.0814	-3.9631	-0.2713	-0.3968	-0.4832	-1.7167	263-1
PISO 2	B28	263	ENVE DISEÑO Min	1.1333	-5.0814	0.1897	-0.2713	-0.3968	-0.2128	0.1234	263-1
PISO 2	B28	263	ENVE DISEÑO Min	1.8	-5.0814	2.203	-0.2713	-0.3968	-0.1252	-1.6049	263-1
PISO 2	B28	263	ENVE DISEÑO Min	1.8	-2.9902	-4.0011	-0.461	-0.3858	-0.6892	-1.3382	263-2
PISO 2	B28	263	ENVE DISEÑO Min	2.2667	-2.9902	-1.9272	-0.461	-0.3858	-0.5225	-0.0382	263-2
PISO 2	B28	263	ENVE DISEÑO Min	3.4	-2.9902	1.9729	-0.461	-0.3858	-0.384	-1.2766	263-2
PISO 2	B31	267	ENVE DISEÑO Max	0	11.1278	0.697	0.115	0.1271	0.2873	1.7718	267
PISO 2	B31	267	ENVE DISEÑO Max	1.1333	11.1278	1.8171	0.115	0.1271	0.1684	0.4419	267
PISO 2	B31	267	ENVE DISEÑO Max	2.2667	11.1278	3.6406	0.115	0.1271	0.0878	0.7101	267
PISO 2	B31	267	ENVE DISEÑO Max	3.4	11.1278	5.7528	0.115	0.1271	0.1739	1.7187	267
PISO 2	B31	267	ENVE DISEÑO Min	0	-12.5343	-4.9384	-0.142	-0.154	-0.3554	-6.7367	267
PISO 2	B31	267	ENVE DISEÑO Min	1.1333	-12.5343	-3.1125	-0.142	-0.154	-0.2058	-2.0753	267
PISO 2	B31	267	ENVE DISEÑO Min	2.2667	-12.5343	-1.5426	-0.142	-0.154	-0.0946	-2.7983	267
PISO 2	B31	267	ENVE DISEÑO Min	3.4	-12.5343	-0.2613	-0.142	-0.154	-0.15	-8.1077	267
PISO 2	B34	262	ENVE DISEÑO Max	0.3	6.3673	-10.0645	0.0216	0.5905	0.0562	-4.4068	262
PISO 2	B34	262	ENVE DISEÑO Max	2.0667	6.3673	-1.7731	0.0216	0.5905	0.0551	7.9958	262
PISO 2	B34	262	ENVE DISEÑO Max	3.8333	6.3673	8.6659	0.0216	0.5905	0.0736	6.8044	262
PISO 2	B34	262	ENVE DISEÑO Max	5.6	6.3673	20.9356	0.0216	0.5905	0.1039	-6.8532	262
PISO 2	B34	262	ENVE DISEÑO Min	0.3	-6.3562	-19.7499	-0.0232	-0.4864	-0.085	-19.6305	262
PISO 2	B34	262	ENVE DISEÑO Min	2.0667	-6.3562	-7.4802	-0.0232	-0.4864	-0.0811	2.4766	262

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 2	B34	262	ENVE DISEÑO Min	3.8333	-6.3562	2.6418	-0.0232	-0.4864	-0.0968	1.8533	262
PISO 2	B34	262	ENVE DISEÑO Min	5.6	-6.3562	10.9332	-0.0232	-0.4864	-0.1242	-22.6283	262
PISO 2	B37	266	ENVE DISEÑO Max	0.275	2.7063	-5.3805	0.0248	0.2839	0.0696	-1.5641	266-1
PISO 2	B37	266	ENVE DISEÑO Max	2.05	2.7063	-1.0646	0.0248	0.2839	0.0371	5.3425	266-1
PISO 2	B37	266	ENVE DISEÑO Max	3.5	2.7063	2.8828	0.0248	0.2839	0.0397	5.815	266-1
PISO 2	B37	266	ENVE DISEÑO Max	3.5	2.3934	3.8786	0.0162	0.1535	0.0415	5.9747	266-2
PISO 2	B37	266	ENVE DISEÑO Max	3.825	2.3934	5.3305	0.0162	0.1535	0.0442	5.4183	266-2
PISO 2	B37	266	ENVE DISEÑO Max	5.6	2.3934	13.26	0.0162	0.1535	0.0666	-1.9436	266-2
PISO 2	B37	266	ENVE DISEÑO Min	0.275	-2.9981	-12.0314	-0.0253	-0.1263	-0.0648	-13.916	266-1
PISO 2	B37	266	ENVE DISEÑO Min	2.05	-2.9981	-5.487	-0.0253	-0.1263	-0.0314	0.4451	266-1
PISO 2	B37	266	ENVE DISEÑO Min	3.5	-2.9981	-0.5627	-0.0253	-0.1263	-0.0332	3.128	266-1
PISO 2	B37	266	ENVE DISEÑO Min	3.5	-2.6729	-0.2493	-0.0174	-0.6038	-0.0342	3.262	266-2
PISO 2	B37	266	ENVE DISEÑO Min	3.825	-2.6729	0.687	-0.0174	-0.6038	-0.0366	2.1297	266-2
PISO 2	B37	266	ENVE DISEÑO Min	5.6	-2.6729	5.8004	-0.0174	-0.6038	-0.0569	-12.7651	266-2
PISO 2	B69	63	ENVE DISEÑO Max	0	10.6419	2.3377	0.1076	0.126	0.1926	4.1946	63
PISO 2	B69	63	ENVE DISEÑO Max	0.8923	10.6419	2.7352	0.1076	0.126	0.0998	1.9312	63
PISO 2	B69	63	ENVE DISEÑO Max	1.7846	10.6419	3.1297	0.1076	0.126	0.0399	1.2411	63
PISO 2	B69	63	ENVE DISEÑO Max	2.677	10.6419	3.5213	0.1076	0.126	0.1181	5.0545	63
PISO 2	B69	63	ENVE DISEÑO Min	0	-12.8244	-5.7021	-0.128	-0.5356	-0.237	-7.9124	63
PISO 2	B69	63	ENVE DISEÑO Min	0.8923	-12.8244	-5.1279	-0.128	-0.5356	-0.126	-3.0809	63
PISO 2	B69	63	ENVE DISEÑO Min	1.7846	-12.8244	-4.5576	-0.128	-0.5356	-0.0479	-0.6867	63
PISO 2	B69	63	ENVE DISEÑO Min	2.677	-12.8244	-3.9914	-0.128	-0.5356	-0.108	-3.6538	63
PISO 2	B162	38	ENVE DISEÑO Max	0	4.1468	-0.0581	0.0295	0.4504	0.1182	0.1928	38-1
PISO 2	B162	38	ENVE DISEÑO Max	1.8	4.1468	0.5983	0.0295	0.4504	0.0708	0.2451	38-1
PISO 2	B162	38	ENVE DISEÑO Max	2.45	4.1468	0.8794	0.0295	0.4504	0.0564	0.2457	38-1
PISO 2	B162	38	ENVE DISEÑO Max	2.45	4.5807	-0.4521	0.0301	1.0366	0.0542	-0.2097	38-2
PISO 2	B162	38	ENVE DISEÑO Max	3.6	4.5807	-0.0791	0.0301	1.0366	0.0391	0.1505	38-2
PISO 2	B162	38	ENVE DISEÑO Max	5.4	4.5807	0.7105	0.0301	1.0366	0.0588	-0.1265	38-2
PISO 2	B162	38	ENVE DISEÑO Min	0	-1.9616	-0.8136	-0.0248	-0.7854	-0.0936	-0.519	38-1
PISO 2	B162	38	ENVE DISEÑO Min	1.8	-1.9616	-0.1076	-0.0248	-0.7854	-0.0545	-0.2283	38-1
PISO 2	B162	38	ENVE DISEÑO Min	2.45	-1.9616	0.1032	-0.0248	-0.7854	-0.0431	-0.7077	38-1
PISO 2	B162	38	ENVE DISEÑO Min	2.45	-2.3787	-0.778	-0.0248	-0.1874	-0.0414	-0.4515	38-2
PISO 2	B162	38	ENVE DISEÑO Min	3.6	-2.3787	-0.2207	-0.0248	-0.1874	-0.0323	0.0336	38-2
PISO 2	B162	38	ENVE DISEÑO Min	5.4	-2.3787	0.4087	-0.0248	-0.1874	-0.0616	-0.3759	38-2
PISO 1	B2	298	ENVE DISEÑO Max	0	0.4991	7.8748	0.01	4.4797	0.0194	0.9575	298
PISO 1	B2	298	ENVE DISEÑO Max	0.75	0.4991	8.1992	0.01	4.4797	0.0162	-2.614	298
PISO 1	B2	298	ENVE DISEÑO Max	1.5	0.4991	8.5235	0.01	4.4797	0.0153	-5.8505	298
PISO 1	B2	298	ENVE DISEÑO Max	2.25	0.4991	8.8479	0.01	4.4797	0.0187	-9.2693	298
PISO 1	B2	298	ENVE DISEÑO Min	0	-0.4337	3.9501	-0.0103	2.0366	-0.025	0.439	298
PISO 1	B2	298	ENVE DISEÑO Min	0.75	-0.4337	4.1934	-0.0103	2.0366	-0.0215	-5.0702	298
PISO 1	B2	298	ENVE DISEÑO Min	1.5	-0.4337	4.4367	-0.0103	2.0366	-0.0203	-11.3412	298
PISO 1	B2	298	ENVE DISEÑO Min	2.25	-0.4337	4.68	-0.0103	2.0366	-0.0234	-17.8555	298
PISO 1	B3	299	ENVE DISEÑO Max	0.2	2.0339	-1.1435	0.0021	0.1964	0.0079	-1.2353	299
PISO 1	B3	299	ENVE DISEÑO Max	2.85	2.0339	-0.2839	0.0021	0.1964	0.0075	0.6567	299
PISO 1	B3	299	ENVE DISEÑO Max	5.5	2.0339	0.6196	0.0021	0.1964	0.0116	1.075	299

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B3	299	ENVE DISEÑO Max	8.15	2.0339	1.8136	0.0021	0.1964	0.0169	-0.3397	299
PISO 1	B3	299	ENVE DISEÑO Min	0.2	-2.5286	-2.2114	-0.0022	-0.0136	-0.0041	-4.5724	299
PISO 1	B3	299	ENVE DISEÑO Min	2.85	-2.5286	-1.0652	-0.0022	-0.0136	-0.0034	-0.2314	299
PISO 1	B3	299	ENVE DISEÑO Min	5.5	-2.5286	0.037	-0.0022	-0.0136	-0.0073	0.2681	299
PISO 1	B3	299	ENVE DISEÑO Min	8.15	-2.5286	0.8966	-0.0022	-0.0136	-0.0121	-2.7146	299
PISO 1	B4	300	ENVE DISEÑO Max	0.2	2.672	-0.2461	0.0088	0.1008	0.0264	0.7455	300
PISO 1	B4	300	ENVE DISEÑO Max	1.8417	2.672	0.2864	0.0088	0.1008	0.0152	0.8182	300
PISO 1	B4	300	ENVE DISEÑO Max	3.4833	2.672	0.8979	0.0088	0.1008	0.0134	0.8816	300
PISO 1	B4	300	ENVE DISEÑO Max	5.125	2.672	1.608	0.0088	0.1008	0.0235	0.9451	300
PISO 1	B4	300	ENVE DISEÑO Min	0.2	-3.5039	-1.7205	-0.0091	-0.0953	-0.0297	-2.4574	300
PISO 1	B4	300	ENVE DISEÑO Min	1.8417	-3.5039	-1.0105	-0.0091	-0.0953	-0.0181	-0.3215	300
PISO 1	B4	300	ENVE DISEÑO Min	3.4833	-3.5039	-0.3795	-0.0091	-0.0953	-0.0158	-0.2161	300
PISO 1	B4	300	ENVE DISEÑO Min	5.125	-3.5039	0.153	-0.0091	-0.0953	-0.0255	-2.1507	300
PISO 1	B5	301	ENVE DISEÑO Max	0.275	1.0297	2.5323	0.0444	0.2968	0.0617	3.2564	301
PISO 1	B5	301	ENVE DISEÑO Max	1.0667	1.0297	2.8747	0.0444	0.2968	0.0336	1.1181	301
PISO 1	B5	301	ENVE DISEÑO Max	1.8583	1.0297	3.2171	0.0444	0.2968	0.0336	1.0565	301
PISO 1	B5	301	ENVE DISEÑO Max	2.65	1.0297	3.5595	0.0444	0.2968	0.0558	2.8514	301
PISO 1	B5	301	ENVE DISEÑO Min	0.275	-1.0016	-2.9115	-0.0358	0.037	-0.0387	-3.1505	301
PISO 1	B5	301	ENVE DISEÑO Min	1.0667	-1.0016	-2.6547	-0.0358	0.037	-0.0173	-0.9493	301
PISO 1	B5	301	ENVE DISEÑO Min	1.8583	-1.0016	-2.3979	-0.0358	0.037	-0.0241	-1.299	301
PISO 1	B5	301	ENVE DISEÑO Min	2.65	-1.0016	-2.1411	-0.0358	0.037	-0.0531	-3.9797	301
PISO 1	B14	497	ENVE DISEÑO Max	0.2	6.1396	-0.8091	0.0208	0.031	0.0997	-0.5789	497
PISO 1	B14	497	ENVE DISEÑO Max	2	6.1396	-0.2252	0.0208	0.031	0.0638	0.4406	497
PISO 1	B14	497	ENVE DISEÑO Max	3.8	6.1396	0.4587	0.0208	0.031	0.0315	0.401	497
PISO 1	B14	497	ENVE DISEÑO Max	5.6	6.1396	1.3669	0.0208	0.031	0.0314	-0.6567	497
PISO 1	B14	497	ENVE DISEÑO Min	0.2	-4.1964	-1.3578	-0.023	0.0061	-0.1068	-1.244	497
PISO 1	B14	497	ENVE DISEÑO Min	2	-4.1964	-0.4496	-0.023	0.0061	-0.0669	0.1736	497
PISO 1	B14	497	ENVE DISEÑO Min	3.8	-4.1964	0.2311	-0.023	0.0061	-0.0305	0.2283	497
PISO 1	B14	497	ENVE DISEÑO Min	5.6	-4.1964	0.8149	-0.023	0.0061	-0.0265	-1.242	497
PISO 1	B20	20	ENVE DISEÑO Max	0.25	1.1266	-1.7528	0.025	0.0666	0.029	-0.6602	20-1
PISO 1	B20	20	ENVE DISEÑO Max	2.0833	1.1266	0.6831	0.025	0.0666	0.026	0.8932	20-1
PISO 1	B20	20	ENVE DISEÑO Max	3.5	1.1266	3.7486	0.025	0.0666	0.0593	-1.1715	20-1
PISO 1	B20	20	ENVE DISEÑO Max	3.5	4.8353	-1.2868	0.1473	0.1055	0.1473	-0.5654	20-2
PISO 1	B20	20	ENVE DISEÑO Max	3.9167	4.8353	-0.781	0.1473	0.1055	0.0882	-0.1302	20-2
PISO 1	B20	20	ENVE DISEÑO Max	5.75	4.8353	2.3448	0.1473	0.1055	0.1784	-0.3373	20-2
PISO 1	B20	20	ENVE DISEÑO Min	0.25	-1.0593	-3.3364	-0.028	-0.0426	-0.0414	-1.5798	20-1
PISO 1	B20	20	ENVE DISEÑO Min	2.0833	-1.0593	0.2974	-0.028	-0.0426	-0.0329	0.4568	20-1
PISO 1	B20	20	ENVE DISEÑO Min	3.5	-1.0593	2.008	-0.028	-0.0426	-0.062	-2.2298	20-1
PISO 1	B20	20	ENVE DISEÑO Min	3.5	-3.3812	-2.53	-0.1362	-0.1098	-0.1337	-1.1297	20-2
PISO 1	B20	20	ENVE DISEÑO Min	3.9167	-3.3812	-1.6181	-0.1362	-0.1098	-0.0793	-0.2712	20-2
PISO 1	B20	20	ENVE DISEÑO Min	5.75	-3.3812	1.175	-0.1362	-0.1098	-0.1899	-1.0836	20-2
PISO 1	B22	10	ENVE DISEÑO Max	0	2.1409	-0.5338	0.2643	0.3037	0.0274	-0.0413	10
PISO 1	B22	10	ENVE DISEÑO Max	0.15	2.1409	-0.3527	0.2643	0.3037	0.0656	0.101	10
PISO 1	B22	10	ENVE DISEÑO Max	0.3	2.1409	-0.1716	0.2643	0.3037	0.1093	0.2312	10
PISO 1	B22	10	ENVE DISEÑO Max	0.45	2.1409	0.0095	0.2643	0.3037	0.1537	0.3173	10

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B22	10	ENVE DISEÑO Min	0	0.9493	-1.3118	-0.3003	-0.3148	-0.0287	-0.0767	10
PISO 1	B22	10	ENVE DISEÑO Min	0.15	0.9493	-1.0168	-0.3003	-0.3148	-0.0615	0.0225	10
PISO 1	B22	10	ENVE DISEÑO Min	0.3	0.9493	-0.7219	-0.3003	-0.3148	-0.0997	0.062	10
PISO 1	B22	10	ENVE DISEÑO Min	0.45	0.9493	-0.4269	-0.3003	-0.3148	-0.1388	0.0742	10
PISO 1	B38	302	ENVE DISEÑO Max	0	0.0324	0.0623	0.0073	-0.46	0.0044	-0.3197	302
PISO 1	B38	302	ENVE DISEÑO Max	0.2333	0.0324	0.358	0.0073	-0.46	0.0054	-0.2886	302
PISO 1	B38	302	ENVE DISEÑO Max	0.4667	0.0324	0.7162	0.0073	-0.46	0.0068	-0.3074	302
PISO 1	B38	302	ENVE DISEÑO Max	0.7	0.0324	1.0743	0.0073	-0.46	0.0084	-0.3764	302
PISO 1	B38	302	ENVE DISEÑO Min	0	-0.0448	-0.3044	-0.0082	-1.0028	-0.0023	-0.6974	302
PISO 1	B38	302	ENVE DISEÑO Min	0.2333	-0.0448	-0.0271	-0.0082	-1.0028	-0.003	-0.7228	302
PISO 1	B38	302	ENVE DISEÑO Min	0.4667	-0.0448	0.1879	-0.0082	-1.0028	-0.0042	-0.848	302
PISO 1	B38	302	ENVE DISEÑO Min	0.7	-0.0448	0.4029	-0.0082	-1.0028	-0.0056	-1.0568	302
PISO 1	B41	304	ENVE DISEÑO Max	0	0.4269	1.9544	0.4147	0.1888	0.0527	0.6747	304
PISO 1	B41	304	ENVE DISEÑO Max	0.1333	0.4269	2.8062	0.4147	0.1888	0.0527	0.4209	304
PISO 1	B41	304	ENVE DISEÑO Max	0.2667	0.4269	3.6671	0.4147	0.1888	0.0633	0.0549	304
PISO 1	B41	304	ENVE DISEÑO Max	0.4	0.4269	4.6269	0.4147	0.1888	0.0782	-0.265	304
PISO 1	B41	304	ENVE DISEÑO Min	0	-0.3646	0.9898	-0.1474	-0.2211	-0.0684	0.2958	304
PISO 1	B41	304	ENVE DISEÑO Min	0.1333	-0.3646	1.4937	-0.1474	-0.2211	-0.1041	0.0655	304
PISO 1	B41	304	ENVE DISEÑO Min	0.2667	-0.3646	1.9976	-0.1474	-0.2211	-0.1503	-0.2322	304
PISO 1	B41	304	ENVE DISEÑO Min	0.4	-0.3646	2.5015	-0.1474	-0.2211	-0.2009	-0.7568	304
PISO 1	B46	306	ENVE DISEÑO Max	0	1.0106	1.6884	0.2888	0.8683	0.0558	0.0271	306
PISO 1	B46	306	ENVE DISEÑO Max	0.1333	1.0106	2.6618	0.2888	0.8683	0.1167	-0.163	306
PISO 1	B46	306	ENVE DISEÑO Max	0.2667	1.0106	3.7873	0.2888	0.8683	0.1806	-0.4285	306
PISO 1	B46	306	ENVE DISEÑO Max	0.4	1.0106	4.9883	0.2888	0.8683	0.2452	-0.7774	306
PISO 1	B46	306	ENVE DISEÑO Min	0	-0.7356	1.0507	-0.4888	-0.4512	-0.029	0.0032	306
PISO 1	B46	306	ENVE DISEÑO Min	0.1333	-0.7356	1.6765	-0.4888	-0.4512	-0.0632	-0.2723	306
PISO 1	B46	306	ENVE DISEÑO Min	0.2667	-0.7356	2.3022	-0.4888	-0.4512	-0.1004	-0.6921	306
PISO 1	B46	306	ENVE DISEÑO Min	0.4	-0.7356	2.928	-0.4888	-0.4512	-0.1384	-1.2534	306
PISO 1	B49	22	ENVE DISEÑO Max	0.25	2.1611	-4.0669	0.0248	0.0723	0.0907	-1.4094	22
PISO 1	B49	22	ENVE DISEÑO Max	1.1667	2.1611	-1.2947	0.0248	0.0723	0.0759	1.6641	22
PISO 1	B49	22	ENVE DISEÑO Max	2.0833	2.1611	2.2689	0.0248	0.0723	0.0658	2.0274	22
PISO 1	B49	22	ENVE DISEÑO Max	3	2.1611	7.5268	0.0248	0.0723	0.0597	-0.9926	22
PISO 1	B49	22	ENVE DISEÑO Min	0.25	-2.7236	-8.3195	-0.0129	-0.0666	-0.0732	-3.5411	22
PISO 1	B49	22	ENVE DISEÑO Min	1.1667	-2.7236	-3.0374	-0.0129	-0.0666	-0.0694	0.7607	22
PISO 1	B49	22	ENVE DISEÑO Min	2.0833	-2.7236	0.959	-0.0129	-0.0666	-0.0702	0.9581	22
PISO 1	B49	22	ENVE DISEÑO Min	3	-2.7236	3.7312	-0.0129	-0.0666	-0.075	-2.5288	22
PISO 1	B23	308	ENVE DISEÑO Max	0	0.3172	1.2329	0.3608	0.5979	0.0429	-0.0096	308
PISO 1	B23	308	ENVE DISEÑO Max	0.1417	0.3172	1.9232	0.3608	0.5979	0.0641	-0.1135	308
PISO 1	B23	308	ENVE DISEÑO Max	0.2833	0.3172	2.6134	0.3608	0.5979	0.0973	-0.2663	308
PISO 1	B23	308	ENVE DISEÑO Max	0.425	0.3172	3.325	0.3608	0.5979	0.1341	-0.4766	308
PISO 1	B23	308	ENVE DISEÑO Min	0	-0.6079	0.4639	-0.2829	-0.5664	-0.0508	-0.0356	308
PISO 1	B23	308	ENVE DISEÑO Min	0.1417	-0.6079	0.872	-0.2829	-0.5664	-0.083	-0.2499	308
PISO 1	B23	308	ENVE DISEÑO Min	0.2833	-0.6079	1.2802	-0.2829	-0.5664	-0.1273	-0.5709	308
PISO 1	B23	308	ENVE DISEÑO Min	0.425	-0.6079	1.6883	-0.2829	-0.5664	-0.175	-0.99	308
PISO 1	B53	311	ENVE DISEÑO Max	0	0.2734	0.3044	0.002	0.6974	0.0022	-0.46	311

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B53	311	ENVE DISEÑO Max	0.8167	0.2734	0.481	0.002	0.6974	0.0012	-0.6229	311
PISO 1	B53	311	ENVE DISEÑO Max	1.6333	0.2734	0.6576	0.002	0.6974	0.0022	-0.7346	311
PISO 1	B53	311	ENVE DISEÑO Max	2.45	0.2734	0.8342	0.002	0.6974	0.0035	-0.9542	311
PISO 1	B53	311	ENVE DISEÑO Min	0	-0.2858	-0.0623	-0.0018	0.3197	-0.0013	-1.0028	311
PISO 1	B53	311	ENVE DISEÑO Min	0.8167	-0.2858	0.0702	-0.0018	0.3197	-0.0005	-1.2151	311
PISO 1	B53	311	ENVE DISEÑO Min	1.6333	-0.2858	0.2026	-0.0018	0.3197	-0.0015	-1.6027	311
PISO 1	B53	311	ENVE DISEÑO Min	2.45	-0.2858	0.3351	-0.0018	0.3197	-0.003	-2.2118	311
PISO 1	B54	312	ENVE DISEÑO Max	0	1.1999	-0.6525	0.0001	0.0328	0.0005	-0.8483	312
PISO 1	B54	312	ENVE DISEÑO Max	2.7833	1.1999	-0.201	0.0001	0.0328	0.0007	0.3396	312
PISO 1	B54	312	ENVE DISEÑO Max	5.5667	1.1999	0.2714	0.0001	0.0328	0.001	0.5516	312
PISO 1	B54	312	ENVE DISEÑO Max	8.35	1.1999	0.9439	0.0001	0.0328	0.0014	-0.3578	312
PISO 1	B54	312	ENVE DISEÑO Min	0	-1.5664	-1.1627	-0.0001	-0.0012	-0.0004	-2.3501	312
PISO 1	B54	312	ENVE DISEÑO Min	2.7833	-1.5664	-0.5205	-0.0001	-0.0012	-0.0006	-0.0638	312
PISO 1	B54	312	ENVE DISEÑO Min	5.5667	-1.5664	0.0604	-0.0001	-0.0012	-0.0008	0.2706	312
PISO 1	B54	312	ENVE DISEÑO Min	8.35	-1.5664	0.5118	-0.0001	-0.0012	-0.0012	-1.213	312
PISO 1	B55	313	ENVE DISEÑO Max	0	1.7179	-0.3834	0.0003	0.0168	0.0021	-0.2023	313
PISO 1	B55	313	ENVE DISEÑO Max	1.8	1.7179	-0.0914	0.0003	0.0168	0.0017	0.2753	313
PISO 1	B55	313	ENVE DISEÑO Max	3.6	1.7179	0.2435	0.0003	0.0168	0.0014	0.2661	313
PISO 1	B55	313	ENVE DISEÑO Max	5.4	1.7179	0.6328	0.0003	0.0168	0.0013	-0.0793	313
PISO 1	B55	313	ENVE DISEÑO Min	0	-2.1107	-0.7445	-0.0003	-0.0155	-0.002	-0.9515	313
PISO 1	B55	313	ENVE DISEÑO Min	1.8	-2.1107	-0.3362	-0.0003	-0.0155	-0.0015	-0.0463	313
PISO 1	B55	313	ENVE DISEÑO Min	3.6	-2.1107	0.0101	-0.0003	-0.0155	-0.0011	0.1195	313
PISO 1	B55	313	ENVE DISEÑO Min	5.4	-2.1107	0.302	-0.0003	-0.0155	-0.001	-0.6045	313
PISO 1	B56	314	ENVE DISEÑO Max	0	0.4047	0.0221	0.002	0.043	0.0045	0.1074	314
PISO 1	B56	314	ENVE DISEÑO Max	0.95	0.4047	0.1762	0.002	0.043	0.0027	0.0235	314
PISO 1	B56	314	ENVE DISEÑO Max	1.9	0.4047	0.3303	0.002	0.043	0.0012	0.344	314
PISO 1	B56	314	ENVE DISEÑO Max	2.85	0.4047	0.5188	0.002	0.043	0.001	0.5998	314
PISO 1	B56	314	ENVE DISEÑO Min	0	-0.781	-0.7842	-0.0009	0.0034	-0.0022	-0.7597	314
PISO 1	B56	314	ENVE DISEÑO Min	0.95	-0.781	-0.5788	-0.0009	0.0034	-0.0014	-0.1227	314
PISO 1	B56	314	ENVE DISEÑO Min	1.9	-0.781	-0.3734	-0.0009	0.0034	-0.0009	-0.2314	314
PISO 1	B56	314	ENVE DISEÑO Min	2.85	-0.781	-0.2023	-0.0009	0.0034	-0.0017	-0.6171	314
PISO 1	B67	473	ENVE DISEÑO Max	0	0.2887	5.9314	0.0383	-1.993	0.0318	-0.0479	473
PISO 1	B67	473	ENVE DISEÑO Max	0.75	0.2887	6.2558	0.0383	-1.993	0.036	-2.4926	473
PISO 1	B67	473	ENVE DISEÑO Max	1.5	0.2887	6.5802	0.0383	-1.993	0.049	-5.1166	473
PISO 1	B67	473	ENVE DISEÑO Max	2.25	0.2887	6.9046	0.0383	-1.993	0.0635	-7.923	473
PISO 1	B67	473	ENVE DISEÑO Min	0	-0.478	3.1336	-0.0213	-4.4105	-0.0271	-0.1252	473
PISO 1	B67	473	ENVE DISEÑO Min	0.75	-0.478	3.3769	-0.0213	-4.4105	-0.044	-4.6935	473
PISO 1	B67	473	ENVE DISEÑO Min	1.5	-0.478	3.6202	-0.0213	-4.4105	-0.0697	-9.507	473
PISO 1	B67	473	ENVE DISEÑO Min	2.25	-0.478	3.8634	-0.0213	-4.4105	-0.0969	-14.5638	473
PISO 1	B68	474	ENVE DISEÑO Max	0.2	3.8952	-1.2116	0.0037	-0.024	0.0151	-1.5097	474
PISO 1	B68	474	ENVE DISEÑO Max	2.9167	3.8952	-0.3304	0.0037	-0.024	0.02	0.5926	474
PISO 1	B68	474	ENVE DISEÑO Max	5.6333	3.8952	0.622	0.0037	-0.024	0.0317	1.0311	474
PISO 1	B68	474	ENVE DISEÑO Max	8.35	3.8952	1.9305	0.0037	-0.024	0.0462	-0.8065	474
PISO 1	B68	474	ENVE DISEÑO Min	0.2	-3.9146	-2.1818	-0.006	-0.3306	-0.0219	-4.0584	474
PISO 1	B68	474	ENVE DISEÑO Min	2.9167	-3.9146	-0.935	-0.006	-0.3306	-0.0205	0.0697	474

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B68	474	ENVE DISEÑO Min	5.6333	-3.9146	0.1688	-0.006	-0.3306	-0.0258	0.2757	474
PISO 1	B68	474	ENVE DISEÑO Min	8.35	-3.9146	1.05	-0.006	-0.3306	-0.034	-2.8281	474
PISO 1	B70	475	ENVE DISEÑO Max	0	8.885	-0.1288	0.2881	0.1061	0.3812	0.1161	475-1
PISO 1	B70	475	ENVE DISEÑO Max	1.8	8.885	0.5144	0.2881	0.1061	0.1602	0.2597	475-1
PISO 1	B70	475	ENVE DISEÑO Max	2.45	8.885	0.7955	0.2881	0.1061	0.323	0.2542	475-1
PISO 1	B70	475	ENVE DISEÑO Max	2.45	5.9706	-0.4068	0.2055	0.1882	0.3291	0.0125	475-2
PISO 1	B70	475	ENVE DISEÑO Max	3.6	5.9706	-0.0338	0.2055	0.1882	0.0979	0.3172	475-2
PISO 1	B70	475	ENVE DISEÑO Max	5.4	5.9706	0.7422	0.2055	0.1882	0.2835	-0.0769	475-2
PISO 1	B70	475	ENVE DISEÑO Min	0	-5.4669	-0.8345	-0.2652	-0.1089	-0.3427	-0.5507	475-1
PISO 1	B70	475	ENVE DISEÑO Min	1.8	-5.4669	-0.1153	-0.2652	-0.1089	-0.163	-0.1866	475-1
PISO 1	B70	475	ENVE DISEÑO Min	2.45	-5.4669	0.0956	-0.2652	-0.1089	-0.3408	-0.6004	475-1
PISO 1	B70	475	ENVE DISEÑO Min	2.45	-3.753	-0.7464	-0.2126	-0.0979	-0.3488	-0.5544	475-2
PISO 1	B70	475	ENVE DISEÑO Min	3.6	-3.753	-0.2157	-0.2126	-0.0979	-0.1094	-0.0717	475-2
PISO 1	B70	475	ENVE DISEÑO Min	5.4	-3.753	0.4041	-0.2126	-0.0979	-0.2821	-0.4547	475-2
PISO 1	B71	476	ENVE DISEÑO Max	0	9.4796	0.2604	0.0393	0.2193	0.0661	0.9984	476
PISO 1	B71	476	ENVE DISEÑO Max	0.95	9.4796	0.5685	0.0393	0.2193	0.08	0.629	476
PISO 1	B71	476	ENVE DISEÑO Max	1.9	9.4796	0.9469	0.0393	0.2193	0.1063	0.1436	476
PISO 1	B71	476	ENVE DISEÑO Max	2.85	9.4796	1.3577	0.0393	0.2193	0.138	0.4026	476
PISO 1	B71	476	ENVE DISEÑO Min	0	-8.0918	-1.1949	-0.0399	-0.0339	-0.0645	-1.3608	476
PISO 1	B71	476	ENVE DISEÑO Min	0.95	-8.0918	-0.784	-0.0399	-0.0339	-0.0778	-0.4452	476
PISO 1	B71	476	ENVE DISEÑO Min	1.9	-8.0918	-0.4433	-0.0399	-0.0339	-0.1035	-0.0967	476
PISO 1	B71	476	ENVE DISEÑO Min	2.85	-8.0918	-0.1351	-0.0399	-0.0339	-0.1347	-1.1756	476
PISO 1	B81	498	ENVE DISEÑO Max	0.25	2.6521	-1.1942	0.1406	0.1406	0.1718	-0.289	498-1
PISO 1	B81	498	ENVE DISEÑO Max	1.667	2.6521	1.174	0.1406	0.1406	0.0445	0.1125	498-1
PISO 1	B81	498	ENVE DISEÑO Max	1.4	2.6521	2.0365	0.1406	0.1406	0.0162	-0.0324	498-1
PISO 1	B81	498	ENVE DISEÑO Max	1.4	1.4523	-1.5728	0.0341	0.067	0.0493	-0.3776	498-2
PISO 1	B81	498	ENVE DISEÑO Max	2.0833	1.4523	-0.1141	0.0341	0.067	0.0326	0.4107	498-2
PISO 1	B81	498	ENVE DISEÑO Max	3	1.4523	3.2799	0.0341	0.067	0.0242	-0.3892	498-2
PISO 1	B81	498	ENVE DISEÑO Min	0.25	-0.9794	-2.5707	-0.117	-0.1333	-0.1498	-0.6981	498-1
PISO 1	B81	498	ENVE DISEÑO Min	1.667	-0.9794	0.3523	-0.117	-0.1333	-0.044	-0.1015	498-1
PISO 1	B81	498	ENVE DISEÑO Min	1.4	-0.9794	0.8504	-0.117	-0.1333	-0.0212	-0.468	498-1
PISO 1	B81	498	ENVE DISEÑO Min	1.4	-0.3511	-3.1301	-0.0248	-0.0845	-0.0503	-0.7929	498-2
PISO 1	B81	498	ENVE DISEÑO Min	2.0833	-0.3511	-0.44	-0.0248	-0.0845	-0.0399	0.1978	498-2
PISO 1	B81	498	ENVE DISEÑO Min	3	-0.3511	1.6601	-0.0248	-0.0845	-0.04	-0.918	498-2
PISO 1	B92	477	ENVE DISEÑO Max	0	2.1361	-0.9437	0.005	-0.0418	0.0089	-0.8432	477
PISO 1	B92	477	ENVE DISEÑO Max	1.9333	2.1361	-0.3166	0.005	-0.0418	0.0105	0.4883	477
PISO 1	B92	477	ENVE DISEÑO Max	3.8667	2.1361	0.4483	0.005	-0.0418	0.023	0.5432	477
PISO 1	B92	477	ENVE DISEÑO Max	5.8	2.1361	1.4238	0.005	-0.0418	0.0395	-0.7376	477
PISO 1	B92	477	ENVE DISEÑO Min	0	-0.7637	-1.5027	-0.0093	-0.0943	-0.0236	-1.5226	477
PISO 1	B92	477	ENVE DISEÑO Min	1.9333	-0.7637	-0.5272	-0.0093	-0.0943	-0.0168	0.17	477
PISO 1	B92	477	ENVE DISEÑO Min	3.8667	-0.7637	0.2659	-0.0093	-0.0943	-0.0209	0.2329	477
PISO 1	B92	477	ENVE DISEÑO Min	5.8	-0.7637	0.893	-0.0093	-0.0943	-0.029	-1.2938	477
PISO 1	B90	328	ENVE DISEÑO Max	0	0.2109	-3.5472	0.0007	-0.0184	0.0015	-2.4134	328
PISO 1	B90	328	ENVE DISEÑO Max	1.1667	0.2109	-2.4722	0.0007	-0.0184	0.0015	1.5837	328
PISO 1	B90	328	ENVE DISEÑO Max	2.3333	0.2109	-1.3973	0.0007	-0.0184	0.0019	5.8122	328

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B90	328	ENVE DISEÑO Max	3.5	0.2109	-0.3224	0.0007	-0.0184	0.0025	7.9486	328
PISO 1	B90	328	ENVE DISEÑO Min	0	-0.1531	-6.8435	-0.0006	-0.0453	-0.0015	-5.478	328
PISO 1	B90	328	ENVE DISEÑO Min	1.1667	-0.1531	-4.8386	-0.0006	-0.0453	-0.0016	0.3018	328
PISO 1	B90	328	ENVE DISEÑO Min	2.3333	-0.1531	-2.8337	-0.0006	-0.0453	-0.002	2.849	328
PISO 1	B90	328	ENVE DISEÑO Min	3.5	-0.1531	-0.8664	-0.0006	-0.0453	-0.0027	4.1393	328
PISO 1	B93	330	ENVE DISEÑO Max	0.3	0.8746	-16.0217	0.0208	-0.8041	0.0652	-20.2123	330
PISO 1	B93	330	ENVE DISEÑO Max	1.3667	0.8746	-11.9907	0.0208	-0.8041	0.0472	-5.2721	330
PISO 1	B93	330	ENVE DISEÑO Max	2.4333	0.8746	-7.9596	0.0208	-0.8041	0.0369	7.9388	330
PISO 1	B93	330	ENVE DISEÑO Max	3.5	0.8746	-3.9286	0.0208	-0.8041	0.0428	20.4091	330
PISO 1	B93	330	ENVE DISEÑO Min	0.3	-1.6068	-31.808	-0.0223	-1.8146	-0.0519	-44.5188	330
PISO 1	B93	330	ENVE DISEÑO Min	1.3667	-1.6068	-24.1293	-0.0223	-1.8146	-0.0323	-15.9565	330
PISO 1	B93	330	ENVE DISEÑO Min	2.4333	-1.6068	-16.4506	-0.0223	-1.8146	-0.0204	1.7426	330
PISO 1	B93	330	ENVE DISEÑO Min	3.5	-1.6068	-8.7809	-0.0223	-1.8146	-0.0248	9.9785	330
PISO 1	B95	332	ENVE DISEÑO Max	0.3	1.8088	-10.8422	0.0145	0.1719	0.0371	-6.3146	332
PISO 1	B95	332	ENVE DISEÑO Max	1.3667	1.8088	-5.8361	0.0145	0.1719	0.0305	2.9832	332
PISO 1	B95	332	ENVE DISEÑO Max	2.4333	1.8088	-0.83	0.0145	0.1719	0.027	10.3235	332
PISO 1	B95	332	ENVE DISEÑO Max	3.5	1.8088	6.2633	0.0145	0.1719	0.0287	9.3679	332
PISO 1	B95	332	ENVE DISEÑO Min	0.3	-1.703	-23.1243	-0.0147	-0.1707	-0.0591	-19.8328	332
PISO 1	B95	332	ENVE DISEÑO Min	1.3667	-1.703	-13.5162	-0.0147	-0.1707	-0.0522	-1.613	332
PISO 1	B95	332	ENVE DISEÑO Min	2.4333	-1.703	-4.6965	-0.0147	-0.1707	-0.0485	4.5532	332
PISO 1	B95	332	ENVE DISEÑO Min	3.5	-1.703	1.7245	-0.0147	-0.1707	-0.05	4.3397	332
PISO 1	B97	334	ENVE DISEÑO Max	0.275	0.9376	-7.322	0.0178	0.089	0.037	-5.3579	334
PISO 1	B97	334	ENVE DISEÑO Max	1.35	0.9376	-4.2251	0.0178	0.089	0.0249	0.9689	334
PISO 1	B97	334	ENVE DISEÑO Max	2.425	0.9376	-1.1283	0.0178	0.089	0.0281	6.6795	334
PISO 1	B97	334	ENVE DISEÑO Max	3.5	0.9376	3.0282	0.0178	0.089	0.043	6.713	334
PISO 1	B97	334	ENVE DISEÑO Min	0.275	-0.8815	-14.7884	-0.0182	-0.0419	-0.0281	-12.4244	334
PISO 1	B97	334	ENVE DISEÑO Min	1.35	-0.8815	-8.8855	-0.0182	-0.0419	-0.0155	-0.5765	334
PISO 1	B97	334	ENVE DISEÑO Min	2.425	-0.8815	-3.0841	-0.0182	-0.0419	-0.0183	3.2377	334
PISO 1	B97	334	ENVE DISEÑO Min	3.5	-0.8815	1.094	-0.0182	-0.0419	-0.0327	3.2678	334
PISO 1	B111	289	ENVE DISEÑO Max	0	2.298	-0.4655	0.0333	0.0543	0.042	0.4187	289
PISO 1	B111	289	ENVE DISEÑO Max	0.5333	2.298	0.1819	0.0333	0.0543	0.0556	0.9375	289
PISO 1	B111	289	ENVE DISEÑO Max	1.0667	2.298	1.1109	0.0333	0.0543	0.0722	0.9178	289
PISO 1	B111	289	ENVE DISEÑO Max	1.6	2.298	2.1641	0.0333	0.0543	0.0902	0.3727	289
PISO 1	B111	289	ENVE DISEÑO Min	0	-2.7002	-1.5531	-0.038	-0.0818	-0.0429	0.164	289
PISO 1	B111	289	ENVE DISEÑO Min	0.5333	-2.7002	-0.4999	-0.038	-0.0818	-0.054	0.2683	289
PISO 1	B111	289	ENVE DISEÑO Min	1.0667	-2.7002	0.2718	-0.038	-0.0818	-0.0681	0.0042	289
PISO 1	B111	289	ENVE DISEÑO Min	1.6	-2.7002	0.9192	-0.038	-0.0818	-0.0837	-0.6417	289
PISO 1	B10	478	ENVE DISEÑO Max	0	1.1622	-3.9286	0.0887	-0.8041	0.0867	20.4091	478-1
PISO 1	B10	478	ENVE DISEÑO Max	1.7333	1.1622	4.1279	0.0887	-0.8041	0.111	24.7509	478-1
PISO 1	B10	478	ENVE DISEÑO Max	2.1	1.1622	6.4823	0.0887	-0.8041	0.1364	22.8854	478-1
PISO 1	B10	478	ENVE DISEÑO Max	2.1	1.3203	11.6427	0.0421	3.0386	0.0636	23.8351	478-2
PISO 1	B10	478	ENVE DISEÑO Max	3.4667	1.3203	21.5253	0.0421	3.0386	0.0778	3.1389	478-2
PISO 1	B10	478	ENVE DISEÑO Max	5.2	1.3203	34.0594	0.0421	3.0386	0.1223	-21.6562	478-2
PISO 1	B10	478	ENVE DISEÑO Min	0	-1.5888	-8.7809	-0.0812	-1.8146	-0.0838	9.9785	478-1
PISO 1	B10	478	ENVE DISEÑO Min	1.7333	-1.5888	0.8852	-0.0812	-1.8146	-0.1211	12.7993	478-1

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B10	478	ENVE DISEÑO Min	2.1	-1.5888	2.2798	-0.0812	-1.8146	-0.1492	11.5681	478-1
PISO 1	B10	478	ENVE DISEÑO Min	2.1	-3.0646	5.5525	-0.0332	1.3933	-0.0594	12.3197	478-2
PISO 1	B10	478	ENVE DISEÑO Min	3.4667	-3.0646	10.7505	-0.0332	1.3933	-0.0858	-1.5396	478-2
PISO 1	B10	478	ENVE DISEÑO Min	5.2	-3.0646	17.3431	-0.0332	1.3933	-0.1457	-47.0032	478-2
PISO 1	B11	479	ENVE DISEÑO Max	0	0.4197	-0.3224	0.0069	-0.0184	0.0055	7.9486	479-1
PISO 1	B11	479	ENVE DISEÑO Max	1.8333	0.4197	2.3352	0.0069	-0.0184	0.007	6.5678	479-1
PISO 1	B11	479	ENVE DISEÑO Max	2.1	0.4197	2.7954	0.0069	-0.0184	0.0081	5.8837	479-1
PISO 1	B11	479	ENVE DISEÑO Max	2.1	0.4399	0.1045	0.0009	0.1252	0.0027	5.7811	479-2
PISO 1	B11	479	ENVE DISEÑO Max	3.6667	0.4399	2.7674	0.0009	0.1252	0.0035	3.5635	479-2
PISO 1	B11	479	ENVE DISEÑO Max	5.5	0.4399	5.9314	0.0009	0.1252	0.0057	-1.993	479-2
PISO 1	B11	479	ENVE DISEÑO Min	0	-0.6114	-0.8664	-0.0047	-0.0453	-0.0032	4.1393	479-1
PISO 1	B11	479	ENVE DISEÑO Min	1.8333	-0.6114	1.1273	-0.0047	-0.0453	-0.0089	3.3839	479-1
PISO 1	B11	479	ENVE DISEÑO Min	2.1	-0.6114	1.3745	-0.0047	-0.0453	-0.0106	2.9849	479-1
PISO 1	B11	479	ENVE DISEÑO Min	2.1	-0.4199	-0.0178	-0.0015	0.0479	-0.0028	2.8217	479-2
PISO 1	B11	479	ENVE DISEÑO Min	3.6667	-0.4199	1.4343	-0.0015	0.0479	-0.0025	1.5882	479-2
PISO 1	B11	479	ENVE DISEÑO Min	5.5	-0.4199	3.1336	-0.0015	0.0479	-0.0034	-4.4105	479-2
PISO 1	B28	482	ENVE DISEÑO Max	0	6.5189	-2.2687	0.0491	0.1845	0.1725	-0.5066	482-1
PISO 1	B28	482	ENVE DISEÑO Max	1.1333	6.5189	1.5805	0.0491	0.1845	0.132	0.5529	482-1
PISO 1	B28	482	ENVE DISEÑO Max	1.8	6.5189	4.9774	0.0491	0.1845	0.114	-0.3271	482-1
PISO 1	B28	482	ENVE DISEÑO Max	1.8	6.5516	-1.9509	0.0475	0.1569	0.109	-0.299	482-2
PISO 1	B28	482	ENVE DISEÑO Max	2.2667	6.5516	-0.5328	0.0475	0.1569	0.1033	0.3663	482-2
PISO 1	B28	482	ENVE DISEÑO Max	3.4	6.5516	4.5241	0.0475	0.1569	0.1057	-0.1753	482-2
PISO 1	B28	482	ENVE DISEÑO Min	0	-3.137	-5.3453	-0.0407	-0.1338	-0.1447	-2.2062	482-1
PISO 1	B28	482	ENVE DISEÑO Min	1.1333	-3.137	0.0513	-0.0407	-0.1338	-0.1137	0.1089	482-1
PISO 1	B28	482	ENVE DISEÑO Min	1.8	-3.137	2.0771	-0.0407	-0.1338	-0.1014	-1.9066	482-1
PISO 1	B28	482	ENVE DISEÑO Min	1.8	-3.3409	-4.6965	-0.0394	-0.1685	-0.0986	-1.5931	482-2
PISO 1	B28	482	ENVE DISEÑO Min	2.2667	-3.3409	-2.3187	-0.0394	-0.1685	-0.0967	-0.042	482-2
PISO 1	B28	482	ENVE DISEÑO Min	3.4	-3.3409	1.843	-0.0394	-0.1685	-0.1083	-1.4925	482-2
PISO 1	B43	325	ENVE DISEÑO Max	0	5.1955	-0.0147	0.0249	0.0272	0.0535	0.2017	325
PISO 1	B43	325	ENVE DISEÑO Max	0.8167	5.1955	0.2502	0.0249	0.0272	0.0363	0.1069	325
PISO 1	B43	325	ENVE DISEÑO Max	1.6333	5.1955	0.5653	0.0249	0.0272	0.0247	0.2475	325
PISO 1	B43	325	ENVE DISEÑO Max	2.45	5.1955	0.9185	0.0249	0.0272	0.0266	0.3478	325
PISO 1	B43	325	ENVE DISEÑO Min	0	-2.8265	-0.9118	-0.0201	-0.2333	-0.0386	-0.6706	325
PISO 1	B43	325	ENVE DISEÑO Min	0.8167	-2.8265	-0.5586	-0.0201	-0.2333	-0.0253	-0.0715	325
PISO 1	B43	325	ENVE DISEÑO Min	1.6333	-2.8265	-0.2556	-0.0201	-0.2333	-0.0175	-0.2126	325
PISO 1	B43	325	ENVE DISEÑO Min	2.45	-2.8265	0.0093	-0.0201	-0.2333	-0.0233	-0.8181	325
PISO 1	B44	326	ENVE DISEÑO Max	0	2.7181	-0.4616	0.0156	0.6144	0.0271	-0.2252	326
PISO 1	B44	326	ENVE DISEÑO Max	0.9833	2.7181	-0.1427	0.0156	0.6144	0.0305	0.1068	326
PISO 1	B44	326	ENVE DISEÑO Max	1.9667	2.7181	0.2055	0.0156	0.6144	0.0389	0.1871	326
PISO 1	B44	326	ENVE DISEÑO Max	2.95	2.7181	0.6851	0.0156	0.6144	0.0496	-0.0737	326
PISO 1	B44	326	ENVE DISEÑO Min	0	0.1161	-0.8035	-0.0136	0.0964	-0.0241	-0.5115	326
PISO 1	B44	326	ENVE DISEÑO Min	0.9833	0.1161	-0.3296	-0.0136	0.0964	-0.0294	-0.0132	326
PISO 1	B44	326	ENVE DISEÑO Min	1.9667	0.1161	0.0665	-0.0136	0.0964	-0.0398	0.0049	326
PISO 1	B44	326	ENVE DISEÑO Min	2.95	0.1161	0.3855	-0.0136	0.0964	-0.0525	-0.3677	326
PISO 1	B69	327	ENVE DISEÑO Max	0	10.2167	1.6138	0.034	-0.1762	0.0613	2.8292	327

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B69	327	ENVE DISEÑO Max	0.8923	10.2167	2.0135	0.034	-0.1762	0.0381	1.2122	327
PISO 1	B69	327	ENVE DISEÑO Max	1.7846	10.2167	2.4201	0.034	-0.1762	0.0332	0.8877	327
PISO 1	B69	327	ENVE DISEÑO Max	2.677	10.2167	2.9973	0.034	-0.1762	0.056	2.6407	327
PISO 1	B69	327	ENVE DISEÑO Min	0	-10.9373	-3.338	-0.04	-0.484	-0.0701	-4.0431	327
PISO 1	B69	327	ENVE DISEÑO Min	0.8923	-10.9373	-2.7607	-0.04	-0.484	-0.0415	-1.3234	327
PISO 1	B69	327	ENVE DISEÑO Min	1.7846	-10.9373	-2.1903	-0.04	-0.484	-0.0312	-0.768	327
PISO 1	B69	327	ENVE DISEÑO Min	2.677	-10.9373	-1.7906	-0.04	-0.484	-0.0486	-3.162	327
PISO 1	B72	333	ENVE DISEÑO Max	0	3.8835	6.2633	0.0398	0.1719	0.0544	9.3679	333
PISO 1	B72	333	ENVE DISEÑO Max	0.7	3.8835	12.0342	0.0398	0.1719	0.0693	4.1817	333
PISO 1	B72	333	ENVE DISEÑO Max	1.4	3.8835	18.3684	0.0398	0.1719	0.0958	-1.6512	333
PISO 1	B72	333	ENVE DISEÑO Max	2.1	3.8835	24.7026	0.0398	0.1719	0.1294	-8.6461	333
PISO 1	B72	333	ENVE DISEÑO Min	0	-4.0055	1.7245	-0.0631	-0.1707	-0.0746	4.3397	333
PISO 1	B72	333	ENVE DISEÑO Min	0.7	-4.0055	5.0314	-0.0631	-0.1707	-0.0732	0.2653	333
PISO 1	B72	333	ENVE DISEÑO Min	1.4	-4.0055	8.3383	-0.0631	-0.1707	-0.0834	-8.8584	333
PISO 1	B72	333	ENVE DISEÑO Min	2.1	-4.0055	11.6452	-0.0631	-0.1707	-0.1007	-23.0636	333
PISO 1	B112	335	ENVE DISEÑO Max	0	1.6822	3.0282	0.0734	0.089	0.0798	6.713	335
PISO 1	B112	335	ENVE DISEÑO Max	0.7	1.6822	6.7813	0.0734	0.089	0.0417	3.4709	335
PISO 1	B112	335	ENVE DISEÑO Max	1.4	1.6822	10.6424	0.0734	0.089	0.0389	-0.6399	335
PISO 1	B112	335	ENVE DISEÑO Max	2.1	1.6822	14.5035	0.0734	0.089	0.0712	-4.9579	335
PISO 1	B112	335	ENVE DISEÑO Min	0	-2.0711	1.094	-0.0619	-0.0419	-0.0775	3.2678	335
PISO 1	B112	335	ENVE DISEÑO Min	0.7	-2.0711	3.1236	-0.0619	-0.0419	-0.0475	1.1826	335
PISO 1	B112	335	ENVE DISEÑO Min	1.4	-2.0711	5.1531	-0.0619	-0.0419	-0.0528	-3.3225	335
PISO 1	B112	335	ENVE DISEÑO Min	2.1	-2.0711	7.1827	-0.0619	-0.0419	-0.0931	-11.582	335
PISO 1	B112	288	ENVE DISEÑO Max	0	2.3066	-2.4727	0.034	0.0543	0.0542	-2.5699	288
PISO 1	B150	288	ENVE DISEÑO Max	0.6	2.3066	-1.9222	0.034	0.0543	0.0399	-1.2189	288
PISO 1	B150	288	ENVE DISEÑO Max	1.2	2.3066	-1.1939	0.034	0.0543	0.0333	-0.2743	288
PISO 1	B150	288	ENVE DISEÑO Max	1.8	2.3066	-0.4655	0.034	0.0543	0.039	0.4187	288
PISO 1	B150	288	ENVE DISEÑO Min	0	-2.7088	-5.031	-0.0387	-0.0818	-0.0643	-5.7514	288
PISO 1	B150	288	ENVE DISEÑO Min	0.6	-2.7088	-4.0691	-0.0387	-0.0818	-0.0472	-2.9628	288
PISO 1	B150	288	ENVE DISEÑO Min	1.2	-2.7088	-2.756	-0.0387	-0.0818	-0.0377	-0.9281	288
PISO 1	B150	288	ENVE DISEÑO Min	1.8	-2.7088	-1.5531	-0.0387	-0.0818	-0.0406	0.164	288
PISO 1	B153	480	ENVE DISEÑO Max	0	1.0519	2.7319	0.0092	0.2027	0.0301	0.1685	480
PISO 1	B153	480	ENVE DISEÑO Max	0.8167	1.0519	3.0851	0.0092	0.2027	0.0349	-1.146	480
PISO 1	B153	480	ENVE DISEÑO Max	1.6333	1.0519	3.4383	0.0092	0.2027	0.0412	-2.5886	480
PISO 1	B153	480	ENVE DISEÑO Max	2.45	1.0519	3.7915	0.0092	0.2027	0.0478	-4.2472	480
PISO 1	B153	480	ENVE DISEÑO Min	0	-0.592	1.3686	-0.0089	-0.0526	-0.0256	0.0721	480
PISO 1	B153	480	ENVE DISEÑO Min	0.8167	-0.592	1.6335	-0.0089	-0.0526	-0.0306	-2.2067	480
PISO 1	B153	480	ENVE DISEÑO Min	1.6333	-0.592	1.8984	-0.0089	-0.0526	-0.0372	-4.8704	480
PISO 1	B153	480	ENVE DISEÑO Min	2.45	-0.592	2.1633	-0.0089	-0.0526	-0.0441	-7.8226	480
PISO 1	B160	481	ENVE DISEÑO Max	0	1.3931	-1.0107	0.0031	-0.3166	0.0088	-1.5479	481
PISO 1	B160	481	ENVE DISEÑO Max	2.7833	1.3931	-0.1079	0.0031	-0.3166	0.0095	0.0469	481
PISO 1	B160	481	ENVE DISEÑO Max	5.5667	1.3931	1.0635	0.0031	-0.3166	0.0152	-0.4705	481
PISO 1	B160	481	ENVE DISEÑO Max	8.35	1.3931	2.468	0.0031	-0.3166	0.0223	-3.3278	481
PISO 1	B160	481	ENVE DISEÑO Min	0	-1.867	-1.7453	-0.0029	-0.8937	-0.0089	-3.2155	481
PISO 1	B160	481	ENVE DISEÑO Min	2.7833	-1.867	-0.367	-0.0029	-0.8937	-0.0102	-0.6432	481

Table 1.2 - Beam Forces (Part 1 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	P tonf	V2 tonf	V3 tonf	T tonf-m	M2 tonf-m	M3 tonf-m	Element
PISO 1	B160	481	ENVE DISEÑO Min	5.5667	-1.867	0.5725	-0.0029	-0.8937	-0.0166	-1.6676	481
PISO 1	B160	481	ENVE DISEÑO Min	8.35	-1.867	1.4753	-0.0029	-0.8937	-0.0243	-6.2655	481

Table 1.2 - Beam Forces (Part 2 of 2)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B6	143	ENVE DISEÑO Max	0.2	0.2	
CUB	B6	143	ENVE DISEÑO Max	2	2	
CUB	B6	143	ENVE DISEÑO Max	3.8	3.8	
CUB	B6	143	ENVE DISEÑO Max	5.6	5.6	
CUB	B6	143	ENVE DISEÑO Min	0.2	0.2	
CUB	B6	143	ENVE DISEÑO Min	2	2	
CUB	B6	143	ENVE DISEÑO Min	3.8	3.8	
CUB	B6	143	ENVE DISEÑO Min	5.6	5.6	
CUB	B7	144	ENVE DISEÑO Max	0.2	0.2	
CUB	B7	144	ENVE DISEÑO Max	2	2	
CUB	B7	144	ENVE DISEÑO Max	3.8	3.8	
CUB	B7	144	ENVE DISEÑO Max	5.6	5.6	
CUB	B7	144	ENVE DISEÑO Min	0.2	0.2	
CUB	B7	144	ENVE DISEÑO Min	2	2	
CUB	B7	144	ENVE DISEÑO Min	3.8	3.8	
CUB	B7	144	ENVE DISEÑO Min	5.6	5.6	
CUB	B8	145	ENVE DISEÑO Max	0.2	0.2	
CUB	B8	145	ENVE DISEÑO Max	2	2	
CUB	B8	145	ENVE DISEÑO Max	3.8	3.8	
CUB	B8	145	ENVE DISEÑO Max	5.6	5.6	
CUB	B8	145	ENVE DISEÑO Min	0.2	0.2	
CUB	B8	145	ENVE DISEÑO Min	2	2	
CUB	B8	145	ENVE DISEÑO Min	3.8	3.8	
CUB	B8	145	ENVE DISEÑO Min	5.6	5.6	
CUB	B9	146	ENVE DISEÑO Max	0.2	0.2	
CUB	B9	146	ENVE DISEÑO Max	2	2	
CUB	B9	146	ENVE DISEÑO Max	3.8	3.8	
CUB	B9	146	ENVE DISEÑO Max	5.6	5.6	
CUB	B9	146	ENVE DISEÑO Min	0.2	0.2	
CUB	B9	146	ENVE DISEÑO Min	2	2	
CUB	B9	146	ENVE DISEÑO Min	3.8	3.8	
CUB	B9	146	ENVE DISEÑO Min	5.6	5.6	
CUB	B14	151	ENVE DISEÑO Max	0.2	0.2	
CUB	B14	151	ENVE DISEÑO Max	2	2	
CUB	B14	151	ENVE DISEÑO Max	3.8	3.8	
CUB	B14	151	ENVE DISEÑO Max	5.6	5.6	
CUB	B14	151	ENVE DISEÑO Min	0.2	0.2	
CUB	B14	151	ENVE DISEÑO Min	2	2	
CUB	B14	151	ENVE DISEÑO Min	3.8	3.8	



Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B14	151	ENVE DISEÑO Min	5.6	5.6	
CUB	B15	152	ENVE DISEÑO Max	0.2	0.2	
CUB	B15	152	ENVE DISEÑO Max	2	2	
CUB	B15	152	ENVE DISEÑO Max	3.8	3.8	
CUB	B15	152	ENVE DISEÑO Max	5.6	5.6	
CUB	B15	152	ENVE DISEÑO Min	0.2	0.2	
CUB	B15	152	ENVE DISEÑO Min	2	2	
CUB	B15	152	ENVE DISEÑO Min	3.8	3.8	
CUB	B15	152	ENVE DISEÑO Min	5.6	5.6	
CUB	B16	153	ENVE DISEÑO Max	0.2	0.2	
CUB	B16	153	ENVE DISEÑO Max	2	2	
CUB	B16	153	ENVE DISEÑO Max	3.8	3.8	
CUB	B16	153	ENVE DISEÑO Max	5.6	5.6	
CUB	B16	153	ENVE DISEÑO Min	0.2	0.2	
CUB	B16	153	ENVE DISEÑO Min	2	2	
CUB	B16	153	ENVE DISEÑO Min	3.8	3.8	
CUB	B16	153	ENVE DISEÑO Min	5.6	5.6	
CUB	B17	154	ENVE DISEÑO Max	0.2	0.2	
CUB	B17	154	ENVE DISEÑO Max	2	2	
CUB	B17	154	ENVE DISEÑO Max	3.8	3.8	
CUB	B17	154	ENVE DISEÑO Max	5.6	5.6	
CUB	B17	154	ENVE DISEÑO Min	0.2	0.2	
CUB	B17	154	ENVE DISEÑO Min	2	2	
CUB	B17	154	ENVE DISEÑO Min	3.8	3.8	
CUB	B17	154	ENVE DISEÑO Min	5.6	5.6	
CUB	B20	157	ENVE DISEÑO Max	0.25	0.25	
CUB	B20	157	ENVE DISEÑO Max	2.0833	2.0833	
CUB	B20	157	ENVE DISEÑO Max	3.9167	3.9167	
CUB	B20	157	ENVE DISEÑO Max	5.75	5.75	
CUB	B20	157	ENVE DISEÑO Min	0.25	0.25	
CUB	B20	157	ENVE DISEÑO Min	2.0833	2.0833	
CUB	B20	157	ENVE DISEÑO Min	3.9167	3.9167	
CUB	B20	157	ENVE DISEÑO Min	5.75	5.75	
CUB	B21	158	ENVE DISEÑO Max	0.25	0.25	
CUB	B21	158	ENVE DISEÑO Max	2.0833	2.0833	
CUB	B21	158	ENVE DISEÑO Max	3.9167	3.9167	
CUB	B21	158	ENVE DISEÑO Max	5.75	5.75	
CUB	B21	158	ENVE DISEÑO Min	0.25	0.25	
CUB	B21	158	ENVE DISEÑO Min	2.0833	2.0833	
CUB	B21	158	ENVE DISEÑO Min	3.9167	3.9167	
CUB	B21	158	ENVE DISEÑO Min	5.75	5.75	
CUB	B22	159	ENVE DISEÑO Max	0	0	
CUB	B22	159	ENVE DISEÑO Max	0.15	0.15	
CUB	B22	159	ENVE DISEÑO Max	0.3	0.3	
CUB	B22	159	ENVE DISEÑO Max	0.45	0.45	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B22	159	ENVE DISEÑO Min	0	0	
CUB	B22	159	ENVE DISEÑO Min	0.15	0.15	
CUB	B22	159	ENVE DISEÑO Min	0.3	0.3	
CUB	B22	159	ENVE DISEÑO Min	0.45	0.45	
CUB	B24	160	ENVE DISEÑO Max	0	0	
CUB	B24	160	ENVE DISEÑO Max	0.15	0.15	
CUB	B24	160	ENVE DISEÑO Max	0.3	0.3	
CUB	B24	160	ENVE DISEÑO Max	0.45	0.45	
CUB	B24	160	ENVE DISEÑO Min	0	0	
CUB	B24	160	ENVE DISEÑO Min	0.15	0.15	
CUB	B24	160	ENVE DISEÑO Min	0.3	0.3	
CUB	B24	160	ENVE DISEÑO Min	0.45	0.45	
CUB	B26	162	ENVE DISEÑO Max	0	0	
CUB	B26	162	ENVE DISEÑO Max	0.15	0.15	
CUB	B26	162	ENVE DISEÑO Max	0.3	0.3	
CUB	B26	162	ENVE DISEÑO Max	0.45	0.45	
CUB	B26	162	ENVE DISEÑO Min	0	0	
CUB	B26	162	ENVE DISEÑO Min	0.15	0.15	
CUB	B26	162	ENVE DISEÑO Min	0.3	0.3	
CUB	B26	162	ENVE DISEÑO Min	0.45	0.45	
CUB	B27	163	ENVE DISEÑO Max	0.25	0.25	
CUB	B27	163	ENVE DISEÑO Max	2.0833	2.0833	
CUB	B27	163	ENVE DISEÑO Max	3.9167	3.9167	
CUB	B27	163	ENVE DISEÑO Max	5.75	5.75	
CUB	B27	163	ENVE DISEÑO Min	0.25	0.25	
CUB	B27	163	ENVE DISEÑO Min	2.0833	2.0833	
CUB	B27	163	ENVE DISEÑO Min	3.9167	3.9167	
CUB	B27	163	ENVE DISEÑO Min	5.75	5.75	
CUB	B29	165	ENVE DISEÑO Max	0	0	
CUB	B29	165	ENVE DISEÑO Max	0.1417	0.1417	
CUB	B29	165	ENVE DISEÑO Max	0.2833	0.2833	
CUB	B29	165	ENVE DISEÑO Max	0.425	0.425	
CUB	B29	165	ENVE DISEÑO Min	0	0	
CUB	B29	165	ENVE DISEÑO Min	0.1417	0.1417	
CUB	B29	165	ENVE DISEÑO Min	0.2833	0.2833	
CUB	B29	165	ENVE DISEÑO Min	0.425	0.425	
CUB	B30	166	ENVE DISEÑO Max	2.0917	2.0917	
CUB	B30	166	ENVE DISEÑO Max	3.9083	3.9083	
CUB	B30	166	ENVE DISEÑO Max	5.725	5.725	
CUB	B30	166	ENVE DISEÑO Min	0.275	0.275	
CUB	B30	166	ENVE DISEÑO Min	2.0917	2.0917	
CUB	B30	166	ENVE DISEÑO Min	3.9083	3.9083	
CUB	B30	166	ENVE DISEÑO Min	5.725	5.725	
CUB	B32	168	ENVE DISEÑO Max	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B32	168	ENVE DISEÑO Max	0.1417	0.1417	
CUB	B32	168	ENVE DISEÑO Max	0.2833	0.2833	
CUB	B32	168	ENVE DISEÑO Max	0.425	0.425	
CUB	B32	168	ENVE DISEÑO Min	0	0	
CUB	B32	168	ENVE DISEÑO Min	0.1417	0.1417	
CUB	B32	168	ENVE DISEÑO Min	0.2833	0.2833	
CUB	B32	168	ENVE DISEÑO Min	0.425	0.425	
CUB	B33	169	ENVE DISEÑO Max	0.275	0.275	
CUB	B33	169	ENVE DISEÑO Max	2.0917	2.0917	
CUB	B33	169	ENVE DISEÑO Max	3.9083	3.9083	
CUB	B33	169	ENVE DISEÑO Max	5.725	5.725	
CUB	B33	169	ENVE DISEÑO Min	0.275	0.275	
CUB	B33	169	ENVE DISEÑO Min	2.0917	2.0917	
CUB	B33	169	ENVE DISEÑO Min	3.9083	3.9083	
CUB	B33	169	ENVE DISEÑO Min	5.725	5.725	
CUB	B49	185	ENVE DISEÑO Max	0.25	0.25	
CUB	B49	185	ENVE DISEÑO Max	1.1667	1.1667	
CUB	B49	185	ENVE DISEÑO Max	2.0833	2.0833	
CUB	B49	185	ENVE DISEÑO Max	3	3	
CUB	B49	185	ENVE DISEÑO Min	0.25	0.25	
CUB	B49	185	ENVE DISEÑO Min	1.1667	1.1667	
CUB	B49	185	ENVE DISEÑO Min	2.0833	2.0833	
CUB	B49	185	ENVE DISEÑO Min	3	3	
CUB	B57	194	ENVE DISEÑO Max	0	0	
CUB	B57	194	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B57	194	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B57	194	ENVE DISEÑO Max	5.8	5.8	
CUB	B57	194	ENVE DISEÑO Min	0	0	
CUB	B57	194	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B57	194	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B57	194	ENVE DISEÑO Min	5.8	5.8	
CUB	B58	195	ENVE DISEÑO Max	0	0	
CUB	B58	195	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B58	195	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B58	195	ENVE DISEÑO Max	5.8	5.8	
CUB	B58	195	ENVE DISEÑO Min	0	0	
CUB	B58	195	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B58	195	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B58	195	ENVE DISEÑO Min	5.8	5.8	
CUB	B59	196	ENVE DISEÑO Max	0	0	
CUB	B59	196	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B59	196	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B59	196	ENVE DISEÑO Max	5.8	5.8	
CUB	B59	196	ENVE DISEÑO Min	0	0	
CUB	B59	196	ENVE DISEÑO Min	1.9333	1.9333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B59	196	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B59	196	ENVE DISEÑO Min	5.8	5.8	
CUB	B60	197	ENVE DISEÑO Max	0	0	
CUB	B60	197	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B60	197	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B60	197	ENVE DISEÑO Max	5.8	5.8	
CUB	B60	197	ENVE DISEÑO Min	0	0	
CUB	B60	197	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B60	197	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B60	197	ENVE DISEÑO Min	5.8	5.8	
CUB	B70	206	ENVE DISEÑO Max	0	0	
CUB	B70	206	ENVE DISEÑO Max	1.8	1.8	
CUB	B70	206	ENVE DISEÑO Max	2.45	2.45	
CUB	B70	206	ENVE DISEÑO Max	2.45	0	
CUB	B70	206	ENVE DISEÑO Max	3.6	1.15	
CUB	B70	206	ENVE DISEÑO Max	5.4	2.95	
CUB	B70	206	ENVE DISEÑO Min	0	0	
CUB	B70	206	ENVE DISEÑO Min	1.8	1.8	
CUB	B70	206	ENVE DISEÑO Min	2.45	2.45	
CUB	B70	206	ENVE DISEÑO Min	2.45	0	
CUB	B70	206	ENVE DISEÑO Min	3.6	1.15	
CUB	B70	206	ENVE DISEÑO Min	5.4	2.95	
CUB	B71	207	ENVE DISEÑO Max	0	0	
CUB	B71	207	ENVE DISEÑO Max	0.95	0.95	
CUB	B71	207	ENVE DISEÑO Max	1.9	1.9	
CUB	B71	207	ENVE DISEÑO Max	2.85	2.85	
CUB	B71	207	ENVE DISEÑO Min	0	0	
CUB	B71	207	ENVE DISEÑO Min	0.95	0.95	
CUB	B71	207	ENVE DISEÑO Min	1.9	1.9	
CUB	B71	207	ENVE DISEÑO Min	2.85	2.85	
CUB	B77	212	ENVE DISEÑO Max	0	0	
CUB	B77	212	ENVE DISEÑO Max	0.1333	0.1333	
CUB	B77	212	ENVE DISEÑO Max	0.2667	0.2667	
CUB	B77	212	ENVE DISEÑO Max	0.4	0.4	
CUB	B77	212	ENVE DISEÑO Min	0	0	
CUB	B77	212	ENVE DISEÑO Min	0.1333	0.1333	
CUB	B77	212	ENVE DISEÑO Min	0.2667	0.2667	
CUB	B77	212	ENVE DISEÑO Min	0.4	0.4	
CUB	B78	213	ENVE DISEÑO Max	0.3	0.3	
CUB	B78	213	ENVE DISEÑO Max	2.1	2.1	
CUB	B78	213	ENVE DISEÑO Max	3.9	3.9	
CUB	B78	213	ENVE DISEÑO Max	5.7	5.7	
CUB	B78	213	ENVE DISEÑO Min	0.3	0.3	
CUB	B78	213	ENVE DISEÑO Min	2.1	2.1	
CUB	B78	213	ENVE DISEÑO Min	3.9	3.9	



Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B78	213	ENVE DISEÑO Min	5.7	5.7	
CUB	B81	161	ENVE DISEÑO Max	0.25	0.25	
CUB	B81	161	ENVE DISEÑO Max	1.1667	1.1667	
CUB	B81	161	ENVE DISEÑO Max	2.0833	2.0833	
CUB	B81	161	ENVE DISEÑO Max	3	3	
CUB	B81	161	ENVE DISEÑO Min	0.25	0.25	
CUB	B81	161	ENVE DISEÑO Min	1.1667	1.1667	
CUB	B81	161	ENVE DISEÑO Min	2.0833	2.0833	
CUB	B81	161	ENVE DISEÑO Min	3	3	
CUB	B82	164	ENVE DISEÑO Max	0.25	0.25	
CUB	B82	164	ENVE DISEÑO Max	1.1667	1.1667	
CUB	B82	164	ENVE DISEÑO Max	2.0833	2.0833	
CUB	B82	164	ENVE DISEÑO Max	3	3	
CUB	B82	164	ENVE DISEÑO Min	0.25	0.25	
CUB	B82	164	ENVE DISEÑO Min	1.1667	1.1667	
CUB	B82	164	ENVE DISEÑO Min	2.0833	2.0833	
CUB	B82	164	ENVE DISEÑO Min	3	3	
CUB	B83	167	ENVE DISEÑO Max	0.275	0.275	
CUB	B83	167	ENVE DISEÑO Max	1.1833	1.1833	
CUB	B83	167	ENVE DISEÑO Max	2.0917	2.0917	
CUB	B83	167	ENVE DISEÑO Max	3	3	
CUB	B83	167	ENVE DISEÑO Min	0.275	0.275	
CUB	B83	167	ENVE DISEÑO Min	1.1833	1.1833	
CUB	B83	167	ENVE DISEÑO Min	2.0917	2.0917	
CUB	B83	167	ENVE DISEÑO Min	3	3	
CUB	B84	170	ENVE DISEÑO Max	0.275	0.275	
CUB	B84	170	ENVE DISEÑO Max	1.1833	1.1833	
CUB	B84	170	ENVE DISEÑO Max	2.0917	2.0917	
CUB	B84	170	ENVE DISEÑO Max	3	3	
CUB	B84	170	ENVE DISEÑO Min	0.275	0.275	
CUB	B84	170	ENVE DISEÑO Min	1.1833	1.1833	
CUB	B84	170	ENVE DISEÑO Min	2.0917	2.0917	
CUB	B84	170	ENVE DISEÑO Min	3	3	
CUB	B86	208	ENVE DISEÑO Max	0	0	
CUB	B86	208	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B86	208	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B86	208	ENVE DISEÑO Max	5.8	5.8	
CUB	B86	208	ENVE DISEÑO Min	0	0	
CUB	B86	208	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B86	208	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B86	208	ENVE DISEÑO Min	5.8	5.8	
CUB	B87	209	ENVE DISEÑO Max	0	0	
CUB	B87	209	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B87	209	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B87	209	ENVE DISEÑO Max	5.8	5.8	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B87	209	ENVE DISEÑO Min	0	0	
CUB	B87	209	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B87	209	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B87	209	ENVE DISEÑO Min	5.8	5.8	
CUB	B88	210	ENVE DISEÑO Max	0	0	
CUB	B88	210	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B88	210	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B88	210	ENVE DISEÑO Max	5.8	5.8	
CUB	B88	210	ENVE DISEÑO Min	0	0	
CUB	B88	210	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B88	210	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B88	210	ENVE DISEÑO Min	5.8	5.8	
CUB	B92	214	ENVE DISEÑO Max	0	0	
CUB	B92	214	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B92	214	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B92	214	ENVE DISEÑO Max	5.8	5.8	
CUB	B92	214	ENVE DISEÑO Min	0	0	
CUB	B92	214	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B92	214	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B92	214	ENVE DISEÑO Min	5.8	5.8	
CUB	B1	233	ENVE DISEÑO Max	0	0	
CUB	B1	233	ENVE DISEÑO Max	0.8833	0.8833	
CUB	B1	233	ENVE DISEÑO Max	1.7667	1.7667	
CUB	B1	233	ENVE DISEÑO Max	2.65	2.65	
CUB	B1	233	ENVE DISEÑO Min	0	0	
CUB	B1	233	ENVE DISEÑO Min	0.8833	0.8833	
CUB	B1	233	ENVE DISEÑO Min	1.7667	1.7667	
CUB	B1	233	ENVE DISEÑO Min	2.65	2.65	
CUB	B12	234	ENVE DISEÑO Max	0	0	
CUB	B12	234	ENVE DISEÑO Max	0.6833	0.6833	
CUB	B12	234	ENVE DISEÑO Max	1.3667	1.3667	
CUB	B12	234	ENVE DISEÑO Max	2.05	2.05	
CUB	B12	234	ENVE DISEÑO Min	0	0	
CUB	B12	234	ENVE DISEÑO Min	0.6833	0.6833	
CUB	B12	234	ENVE DISEÑO Min	1.3667	1.3667	
CUB	B12	234	ENVE DISEÑO Min	2.05	2.05	
CUB	B25	235	ENVE DISEÑO Max	0	0	
CUB	B25	235	ENVE DISEÑO Max	0.6333	0.6333	
CUB	B25	235	ENVE DISEÑO Max	1.2667	1.2667	
CUB	B25	235	ENVE DISEÑO Max	1.9	1.9	
CUB	B25	235	ENVE DISEÑO Min	0	0	
CUB	B25	235	ENVE DISEÑO Min	0.6333	0.6333	
CUB	B25	235	ENVE DISEÑO Min	1.2667	1.2667	
CUB	B25	235	ENVE DISEÑO Min	1.9	1.9	
CUB	B52	241	ENVE DISEÑO Max	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B52	241	ENVE DISEÑO Max	0.6167	0.6167	
CUB	B52	241	ENVE DISEÑO Max	1.2333	1.2333	
CUB	B52	241	ENVE DISEÑO Max	1.85	1.85	
CUB	B52	241	ENVE DISEÑO Min	0	0	
CUB	B52	241	ENVE DISEÑO Min	0.6167	0.6167	
CUB	B52	241	ENVE DISEÑO Min	1.2333	1.2333	
CUB	B52	241	ENVE DISEÑO Min	1.85	1.85	
CUB	B63	242	ENVE DISEÑO Max	0.2	0.2	
CUB	B63	242	ENVE DISEÑO Max	0.7667	0.7667	
CUB	B63	242	ENVE DISEÑO Max	1.3333	1.3333	
CUB	B63	242	ENVE DISEÑO Max	1.9	1.9	
CUB	B63	242	ENVE DISEÑO Min	0.2	0.2	
CUB	B63	242	ENVE DISEÑO Min	0.7667	0.7667	
CUB	B63	242	ENVE DISEÑO Min	1.3333	1.3333	
CUB	B63	242	ENVE DISEÑO Min	1.9	1.9	
CUB	B64	243	ENVE DISEÑO Max	0	0	
CUB	B64	243	ENVE DISEÑO Max	0.95	0.95	
CUB	B64	243	ENVE DISEÑO Max	1.9	1.9	
CUB	B64	243	ENVE DISEÑO Max	2.85	2.85	
CUB	B64	243	ENVE DISEÑO Min	0	0	
CUB	B64	243	ENVE DISEÑO Min	0.95	0.95	
CUB	B64	243	ENVE DISEÑO Min	1.9	1.9	
CUB	B64	243	ENVE DISEÑO Min	2.85	2.85	
CUB	B65	244	ENVE DISEÑO Max	0.2	0.2	
CUB	B65	244	ENVE DISEÑO Max	2	2	
CUB	B65	244	ENVE DISEÑO Max	3.8	3.8	
CUB	B65	244	ENVE DISEÑO Max	5.6	5.6	
CUB	B65	244	ENVE DISEÑO Min	0.2	0.2	
CUB	B65	244	ENVE DISEÑO Min	2	2	
CUB	B65	244	ENVE DISEÑO Min	3.8	3.8	
CUB	B65	244	ENVE DISEÑO Min	5.6	5.6	
CUB	B66	245	ENVE DISEÑO Max	0.2	0.2	
CUB	B66	245	ENVE DISEÑO Max	2	2	
CUB	B66	245	ENVE DISEÑO Max	3.8	3.8	
CUB	B66	245	ENVE DISEÑO Max	5.6	5.6	
CUB	B66	245	ENVE DISEÑO Min	0.2	0.2	
CUB	B66	245	ENVE DISEÑO Min	2	2	
CUB	B66	245	ENVE DISEÑO Min	3.8	3.8	
CUB	B66	245	ENVE DISEÑO Min	5.6	5.6	
CUB	B73	246	ENVE DISEÑO Max	0.2	0.2	
CUB	B73	246	ENVE DISEÑO Max	2	2	
CUB	B73	246	ENVE DISEÑO Max	3.8	3.8	
CUB	B73	246	ENVE DISEÑO Max	5.6	5.6	
CUB	B73	246	ENVE DISEÑO Min	0.2	0.2	
CUB	B73	246	ENVE DISEÑO Min	2	2	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B73	246	ENVE DISEÑO Min	3.8	3.8	
CUB	B73	246	ENVE DISEÑO Min	5.6	5.6	
CUB	B91	247	ENVE DISEÑO Max	0.2	0.2	
CUB	B91	247	ENVE DISEÑO Max	2	2	
CUB	B91	247	ENVE DISEÑO Max	3.8	3.8	
CUB	B91	247	ENVE DISEÑO Max	5.6	5.6	
CUB	B91	247	ENVE DISEÑO Min	0.2	0.2	
CUB	B91	247	ENVE DISEÑO Min	2	2	
CUB	B91	247	ENVE DISEÑO Min	3.8	3.8	
CUB	B91	247	ENVE DISEÑO Min	5.6	5.6	
CUB	B94	248	ENVE DISEÑO Max	0	0	
CUB	B94	248	ENVE DISEÑO Max	0.6167	0.6167	
CUB	B94	248	ENVE DISEÑO Max	1.2333	1.2333	
CUB	B94	248	ENVE DISEÑO Max	1.85	1.85	
CUB	B94	248	ENVE DISEÑO Min	0	0	
CUB	B94	248	ENVE DISEÑO Min	0.6167	0.6167	
CUB	B94	248	ENVE DISEÑO Min	1.2333	1.2333	
CUB	B94	248	ENVE DISEÑO Min	1.85	1.85	
CUB	B99	249	ENVE DISEÑO Max	0.2	0.2	
CUB	B99	249	ENVE DISEÑO Max	0.7667	0.7667	
CUB	B99	249	ENVE DISEÑO Max	1.3333	1.3333	
CUB	B99	249	ENVE DISEÑO Max	1.9	1.9	
CUB	B99	249	ENVE DISEÑO Min	0.2	0.2	
CUB	B99	249	ENVE DISEÑO Min	0.7667	0.7667	
CUB	B99	249	ENVE DISEÑO Min	1.3333	1.3333	
CUB	B99	249	ENVE DISEÑO Min	1.9	1.9	
CUB	B100	250	ENVE DISEÑO Max	0	0	
CUB	B100	250	ENVE DISEÑO Max	0.6167	0.6167	
CUB	B100	250	ENVE DISEÑO Max	1.2333	1.2333	
CUB	B100	250	ENVE DISEÑO Max	1.85	1.85	
CUB	B100	250	ENVE DISEÑO Min	0	0	
CUB	B100	250	ENVE DISEÑO Min	0.6167	0.6167	
CUB	B100	250	ENVE DISEÑO Min	1.2333	1.2333	
CUB	B100	250	ENVE DISEÑO Min	1.85	1.85	
CUB	B101	251	ENVE DISEÑO Max	0.2	0.2	
CUB	B101	251	ENVE DISEÑO Max	0.7667	0.7667	
CUB	B101	251	ENVE DISEÑO Max	1.3333	1.3333	
CUB	B101	251	ENVE DISEÑO Max	1.9	1.9	
CUB	B101	251	ENVE DISEÑO Min	0.2	0.2	
CUB	B101	251	ENVE DISEÑO Min	0.7667	0.7667	
CUB	B101	251	ENVE DISEÑO Min	1.3333	1.3333	
CUB	B101	251	ENVE DISEÑO Min	1.9	1.9	
CUB	B102	252	ENVE DISEÑO Max	0	0	
CUB	B102	252	ENVE DISEÑO Max	0.6167	0.6167	
CUB	B102	252	ENVE DISEÑO Max	1.2333	1.2333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B102	252	ENVE DISEÑO Max	1.85	1.85	
CUB	B102	252	ENVE DISEÑO Min	0	0	
CUB	B102	252	ENVE DISEÑO Min	0.6167	0.6167	
CUB	B102	252	ENVE DISEÑO Min	1.2333	1.2333	
CUB	B102	252	ENVE DISEÑO Min	1.85	1.85	
CUB	B103	268	ENVE DISEÑO Max	0.2	0.2	
CUB	B103	268	ENVE DISEÑO Max	0.7667	0.7667	
CUB	B103	268	ENVE DISEÑO Max	1.3333	1.3333	
CUB	B103	268	ENVE DISEÑO Max	1.9	1.9	
CUB	B103	268	ENVE DISEÑO Min	0.2	0.2	
CUB	B103	268	ENVE DISEÑO Min	0.7667	0.7667	
CUB	B103	268	ENVE DISEÑO Min	1.3333	1.3333	
CUB	B103	268	ENVE DISEÑO Min	1.9	1.9	
CUB	B104	274	ENVE DISEÑO Max	0	0	
CUB	B104	274	ENVE DISEÑO Max	0.6167	0.6167	
CUB	B104	274	ENVE DISEÑO Max	1.2333	1.2333	
CUB	B104	274	ENVE DISEÑO Max	1.85	1.85	
CUB	B104	274	ENVE DISEÑO Min	0	0	
CUB	B104	274	ENVE DISEÑO Min	0.6167	0.6167	
CUB	B104	274	ENVE DISEÑO Min	1.2333	1.2333	
CUB	B104	274	ENVE DISEÑO Min	1.85	1.85	
CUB	B105	275	ENVE DISEÑO Max	0.2	0.2	
CUB	B105	275	ENVE DISEÑO Max	0.7667	0.7667	
CUB	B105	275	ENVE DISEÑO Max	1.3333	1.3333	
CUB	B105	275	ENVE DISEÑO Max	1.9	1.9	
CUB	B105	275	ENVE DISEÑO Min	0.2	0.2	
CUB	B105	275	ENVE DISEÑO Min	0.7667	0.7667	
CUB	B105	275	ENVE DISEÑO Min	1.3333	1.3333	
CUB	B105	275	ENVE DISEÑO Min	1.9	1.9	
CUB	B106	276	ENVE DISEÑO Max	0	0	
CUB	B106	276	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B106	276	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B106	276	ENVE DISEÑO Max	5.8	5.8	
CUB	B106	276	ENVE DISEÑO Min	0	0	
CUB	B106	276	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B106	276	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B106	276	ENVE DISEÑO Min	5.8	5.8	
CUB	B107	277	ENVE DISEÑO Max	0	0	
CUB	B107	277	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B107	277	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B107	277	ENVE DISEÑO Max	5.8	5.8	
CUB	B107	277	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B107	277	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B107	277	ENVE DISEÑO Min	5.8	5.8	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B108	278	ENVE DISEÑO Max	0	0	
CUB	B108	278	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B108	278	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B108	278	ENVE DISEÑO Max	5.8	5.8	
CUB	B108	278	ENVE DISEÑO Min	0	0	
CUB	B108	278	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B108	278	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B108	278	ENVE DISEÑO Min	5.8	5.8	
CUB	B109	279	ENVE DISEÑO Max	0	0	
CUB	B109	279	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B109	279	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B109	279	ENVE DISEÑO Max	5.8	5.8	
CUB	B109	279	ENVE DISEÑO Min	0	0	
CUB	B109	279	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B109	279	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B109	279	ENVE DISEÑO Min	5.8	5.8	
CUB	B113	366	ENVE DISEÑO Max	0	0	
CUB	B113	366	ENVE DISEÑO Max	0.6833	0.6833	
CUB	B113	366	ENVE DISEÑO Max	1.3667	1.3667	
CUB	B113	366	ENVE DISEÑO Max	2.05	2.05	
CUB	B113	366	ENVE DISEÑO Min	0	0	
CUB	B113	366	ENVE DISEÑO Min	0.6833	0.6833	
CUB	B113	366	ENVE DISEÑO Min	1.3667	1.3667	
CUB	B113	366	ENVE DISEÑO Min	2.05	2.05	
CUB	B114	23	ENVE DISEÑO Max	0	0	
CUB	B114	23	ENVE DISEÑO Max	0.6333	0.6333	
CUB	B114	23	ENVE DISEÑO Max	1.2667	1.2667	
CUB	B114	23	ENVE DISEÑO Max	1.9	1.9	
CUB	B114	23	ENVE DISEÑO Min	0	0	
CUB	B114	23	ENVE DISEÑO Min	0.6333	0.6333	
CUB	B114	23	ENVE DISEÑO Min	1.2667	1.2667	
CUB	B114	23	ENVE DISEÑO Min	1.9	1.9	
CUB	B115	349	ENVE DISEÑO Max	0	0	
CUB	B115	349	ENVE DISEÑO Max	0.6667	0.6667	
CUB	B115	349	ENVE DISEÑO Max	1.3333	1.3333	
CUB	B115	349	ENVE DISEÑO Max	2	2	
CUB	B115	349	ENVE DISEÑO Min	0	0	
CUB	B115	349	ENVE DISEÑO Min	0.6667	0.6667	
CUB	B115	349	ENVE DISEÑO Min	1.3333	1.3333	
CUB	B115	349	ENVE DISEÑO Min	2	2	
CUB	B116	354	ENVE DISEÑO Max	0.2	0.2	
CUB	B116	354	ENVE DISEÑO Max	0.8	0.8	
CUB	B116	354	ENVE DISEÑO Max	1.4	1.4	
CUB	B116	354	ENVE DISEÑO Max	2	2	
CUB	B116	354	ENVE DISEÑO Min	0.2	0.2	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B116	354	ENVE DISEÑO Min	0.8	0.8	
CUB	B116	354	ENVE DISEÑO Min	1.4	1.4	
CUB	B116	354	ENVE DISEÑO Min	2	2	
CUB	B126	52	ENVE DISEÑO Max	0.2	0.2	
CUB	B126	52	ENVE DISEÑO Max	0.8	0.8	
CUB	B126	52	ENVE DISEÑO Max	1.4	1.4	
CUB	B126	52	ENVE DISEÑO Max	2	2	
CUB	B126	52	ENVE DISEÑO Min	0.2	0.2	
CUB	B126	52	ENVE DISEÑO Min	0.8	0.8	
CUB	B126	52	ENVE DISEÑO Min	1.4	1.4	
CUB	B126	52	ENVE DISEÑO Min	2	2	
CUB	B133	54	ENVE DISEÑO Max	0	0	
CUB	B133	54	ENVE DISEÑO Max	0.6667	0.6667	
CUB	B133	54	ENVE DISEÑO Max	1.3333	1.3333	
CUB	B133	54	ENVE DISEÑO Max	2	2	
CUB	B133	54	ENVE DISEÑO Min	0	0	
CUB	B133	54	ENVE DISEÑO Min	0.6667	0.6667	
CUB	B133	54	ENVE DISEÑO Min	1.3333	1.3333	
CUB	B133	54	ENVE DISEÑO Min	2	2	
CUB	B136	211	ENVE DISEÑO Max	0	0	
CUB	B136	211	ENVE DISEÑO Max	1	1	
CUB	B136	211	ENVE DISEÑO Max	2	2	
CUB	B136	211	ENVE DISEÑO Max	3	3	
CUB	B136	211	ENVE DISEÑO Min	0	0	
CUB	B136	211	ENVE DISEÑO Min	1	1	
CUB	B136	211	ENVE DISEÑO Min	2	2	
CUB	B136	211	ENVE DISEÑO Min	3	3	
CUB	B156	147	ENVE DISEÑO Max	0.2	0.2	
CUB	B156	147	ENVE DISEÑO Max	2	2	
CUB	B156	147	ENVE DISEÑO Max	3.8	3.8	
CUB	B156	147	ENVE DISEÑO Max	5.6	5.6	
CUB	B156	147	ENVE DISEÑO Min	0.2	0.2	
CUB	B156	147	ENVE DISEÑO Min	2	2	
CUB	B156	147	ENVE DISEÑO Min	3.8	3.8	
CUB	B156	147	ENVE DISEÑO Min	5.6	5.6	
CUB	B158	198	ENVE DISEÑO Max	0	0	
CUB	B158	198	ENVE DISEÑO Max	1.9333	1.9333	
CUB	B158	198	ENVE DISEÑO Max	3.8667	3.8667	
CUB	B158	198	ENVE DISEÑO Max	5.8	5.8	
CUB	B158	198	ENVE DISEÑO Min	0	0	
CUB	B158	198	ENVE DISEÑO Min	1.9333	1.9333	
CUB	B158	198	ENVE DISEÑO Min	3.8667	3.8667	
CUB	B158	198	ENVE DISEÑO Min	5.8	5.8	
CUB	B18	156	ENVE DISEÑO Max	0	0	
CUB	B18	156	ENVE DISEÑO Max	1.2	1.2	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B18	156	ENVE DISEÑO Max	2.4	2.4	
CUB	B18	156	ENVE DISEÑO Max	3.6	3.6	
CUB	B18	156	ENVE DISEÑO Min	0	0	
CUB	B18	156	ENVE DISEÑO Min	1.2	1.2	
CUB	B18	156	ENVE DISEÑO Min	2.4	2.4	
CUB	B18	156	ENVE DISEÑO Min	3.6	3.6	
CUB	B28	184	ENVE DISEÑO Max	0	0	
CUB	B28	184	ENVE DISEÑO Max	1.1333	1.1333	
CUB	B28	184	ENVE DISEÑO Max	1.8	1.8	
CUB	B28	184	ENVE DISEÑO Max	1.8	0	
CUB	B28	184	ENVE DISEÑO Max	2.2667	0.4667	
CUB	B28	184	ENVE DISEÑO Max	3.4	1.6	
CUB	B28	184	ENVE DISEÑO Min	0	0	
CUB	B28	184	ENVE DISEÑO Min	1.1333	1.1333	
CUB	B28	184	ENVE DISEÑO Min	1.8	1.8	
CUB	B28	184	ENVE DISEÑO Min	1.8	0	
CUB	B28	184	ENVE DISEÑO Min	2.2667	0.4667	
CUB	B28	184	ENVE DISEÑO Min	3.4	1.6	
CUB	B31	188	ENVE DISEÑO Max	0	0	
CUB	B31	188	ENVE DISEÑO Max	1.1333	1.1333	
CUB	B31	188	ENVE DISEÑO Max	1.8	1.8	
CUB	B31	188	ENVE DISEÑO Max	1.8	0	
CUB	B31	188	ENVE DISEÑO Max	2.2667	0.4667	
CUB	B31	188	ENVE DISEÑO Max	3.4	1.6	
CUB	B31	188	ENVE DISEÑO Min	0	0	
CUB	B31	188	ENVE DISEÑO Min	1.1333	1.1333	
CUB	B31	188	ENVE DISEÑO Min	1.8	1.8	
CUB	B31	188	ENVE DISEÑO Min	1.8	0	
CUB	B31	188	ENVE DISEÑO Min	2.2667	0.4667	
CUB	B31	188	ENVE DISEÑO Min	3.4	1.6	
CUB	B69	101	ENVE DISEÑO Max	0	0	
CUB	B69	101	ENVE DISEÑO Max	0.8923	0.8923	
CUB	B69	101	ENVE DISEÑO Max	1.7846	1.7846	
CUB	B69	101	ENVE DISEÑO Max	2.677	2.677	
CUB	B69	101	ENVE DISEÑO Min	0	0	
CUB	B69	101	ENVE DISEÑO Min	0.8923	0.8923	
CUB	B69	101	ENVE DISEÑO Min	1.7846	1.7846	
CUB	B69	101	ENVE DISEÑO Min	2.677	2.677	
CUB	B162	100	ENVE DISEÑO Max	0	0	
CUB	B162	100	ENVE DISEÑO Max	1.8	1.8	
CUB	B162	100	ENVE DISEÑO Max	2.45	2.45	
CUB	B162	100	ENVE DISEÑO Max	2.45	0	
CUB	B162	100	ENVE DISEÑO Max	3.6	1.15	
CUB	B162	100	ENVE DISEÑO Max	5.4	2.95	
CUB	B162	100	ENVE DISEÑO Min	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
CUB	B162	100	ENVE DISEÑO Min	1.8	1.8	
CUB	B162	100	ENVE DISEÑO Min	2.45	2.45	
CUB	B162	100	ENVE DISEÑO Min	2.45	0	
CUB	B162	100	ENVE DISEÑO Min	3.6	1.15	
CUB	B162	100	ENVE DISEÑO Min	5.4	2.95	
PISO 3A	B2	199	ENVE DISEÑO Max	0	0	
PISO 3A	B2	199	ENVE DISEÑO Max	0.75	0.75	
PISO 3A	B2	199	ENVE DISEÑO Max	1.5	1.5	
PISO 3A	B2	199	ENVE DISEÑO Max	2.25	2.25	
PISO 3A	B2	199	ENVE DISEÑO Min	0	0	
PISO 3A	B2	199	ENVE DISEÑO Min	0.75	0.75	
PISO 3A	B2	199	ENVE DISEÑO Min	1.5	1.5	
PISO 3A	B2	199	ENVE DISEÑO Min	2.25	2.25	
PISO 3A	B3	215	ENVE DISEÑO Max	0.2	0.2	
PISO 3A	B3	215	ENVE DISEÑO Max	2.85	2.85	
PISO 3A	B3	215	ENVE DISEÑO Max	5.5	5.5	
PISO 3A	B3	215	ENVE DISEÑO Max	8.15	8.15	
PISO 3A	B3	215	ENVE DISEÑO Min	0.2	0.2	
PISO 3A	B3	215	ENVE DISEÑO Min	2.85	2.85	
PISO 3A	B3	215	ENVE DISEÑO Min	5.5	5.5	
PISO 3A	B3	215	ENVE DISEÑO Min	8.15	8.15	
PISO 3A	B38	392	ENVE DISEÑO Max	0	0	
PISO 3A	B38	392	ENVE DISEÑO Max	0.2333	0.2333	
PISO 3A	B38	392	ENVE DISEÑO Max	0.4667	0.4667	
PISO 3A	B38	392	ENVE DISEÑO Max	0.7	0.7	
PISO 3A	B38	392	ENVE DISEÑO Min	0	0	
PISO 3A	B38	392	ENVE DISEÑO Min	0.2333	0.2333	
PISO 3A	B38	392	ENVE DISEÑO Min	0.4667	0.4667	
PISO 3A	B38	392	ENVE DISEÑO Min	0.7	0.7	
PISO 3A	B39	393	ENVE DISEÑO Max	0	0	
PISO 3A	B39	393	ENVE DISEÑO Max	2.4667	2.4667	
PISO 3A	B39	393	ENVE DISEÑO Max	4.9333	4.9333	
PISO 3A	B39	393	ENVE DISEÑO Max	7.4	7.4	
PISO 3A	B39	393	ENVE DISEÑO Min	0	0	
PISO 3A	B39	393	ENVE DISEÑO Min	2.4667	2.4667	
PISO 3A	B39	393	ENVE DISEÑO Min	4.9333	4.9333	
PISO 3A	B39	393	ENVE DISEÑO Min	7.4	7.4	
PISO 3A	B40	394	ENVE DISEÑO Max	0	0	
PISO 3A	B40	394	ENVE DISEÑO Max	0.5333	0.5333	
PISO 3A	B40	394	ENVE DISEÑO Max	1.0667	1.0667	
PISO 3A	B40	394	ENVE DISEÑO Max	1.6	1.6	
PISO 3A	B40	394	ENVE DISEÑO Min	0	0	
PISO 3A	B40	394	ENVE DISEÑO Min	0.5333	0.5333	
PISO 3A	B40	394	ENVE DISEÑO Min	1.0667	1.0667	
PISO 3A	B40	394	ENVE DISEÑO Min	1.6	1.6	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3A	B41	395	ENVE DISEÑO Max	0	0	
PISO 3A	B41	395	ENVE DISEÑO Max	0.1333	0.1333	
PISO 3A	B41	395	ENVE DISEÑO Max	0.2667	0.2667	
PISO 3A	B41	395	ENVE DISEÑO Max	0.4	0.4	
PISO 3A	B41	395	ENVE DISEÑO Min	0	0	
PISO 3A	B41	395	ENVE DISEÑO Min	0.1333	0.1333	
PISO 3A	B41	395	ENVE DISEÑO Min	0.2667	0.2667	
PISO 3A	B41	395	ENVE DISEÑO Min	0.4	0.4	
PISO 3A	B46	400	ENVE DISEÑO Max	0	0	
PISO 3A	B46	400	ENVE DISEÑO Max	0.1333	0.1333	
PISO 3A	B46	400	ENVE DISEÑO Max	0.2667	0.2667	
PISO 3A	B46	400	ENVE DISEÑO Max	0.4	0.4	
PISO 3A	B46	400	ENVE DISEÑO Min	0	0	
PISO 3A	B46	400	ENVE DISEÑO Min	0.1333	0.1333	
PISO 3A	B46	400	ENVE DISEÑO Min	0.2667	0.2667	
PISO 3A	B46	400	ENVE DISEÑO Min	0.4	0.4	
PISO 3A	B53	408	ENVE DISEÑO Max	0.8167	0.8167	
PISO 3A	B53	408	ENVE DISEÑO Max	1.6333	1.6333	
PISO 3A	B53	408	ENVE DISEÑO Max	2.45	2.45	
PISO 3A	B53	408	ENVE DISEÑO Min	0	0	
PISO 3A	B53	408	ENVE DISEÑO Min	0.8167	0.8167	
PISO 3A	B53	408	ENVE DISEÑO Min	1.6333	1.6333	
PISO 3A	B53	408	ENVE DISEÑO Min	2.45	2.45	
PISO 3A	B54	409	ENVE DISEÑO Max	0	0	
PISO 3A	B54	409	ENVE DISEÑO Max	2.7833	2.7833	
PISO 3A	B54	409	ENVE DISEÑO Max	5.5667	5.5667	
PISO 3A	B54	409	ENVE DISEÑO Max	8.35	8.35	
PISO 3A	B54	409	ENVE DISEÑO Min	0	0	
PISO 3A	B54	409	ENVE DISEÑO Min	2.7833	2.7833	
PISO 3A	B54	409	ENVE DISEÑO Min	5.5667	5.5667	
PISO 3A	B54	409	ENVE DISEÑO Min	8.35	8.35	
PISO 3A	B67	417	ENVE DISEÑO Max	0	0	
PISO 3A	B67	417	ENVE DISEÑO Max	0.75	0.75	
PISO 3A	B67	417	ENVE DISEÑO Max	1.5	1.5	
PISO 3A	B67	417	ENVE DISEÑO Max	2.25	2.25	
PISO 3A	B67	417	ENVE DISEÑO Min	0	0	
PISO 3A	B67	417	ENVE DISEÑO Min	0.75	0.75	
PISO 3A	B67	417	ENVE DISEÑO Min	1.5	1.5	
PISO 3A	B67	417	ENVE DISEÑO Min	2.25	2.25	
PISO 3A	B68	418	ENVE DISEÑO Max	0.2	0.2	
PISO 3A	B68	418	ENVE DISEÑO Max	2.9167	2.9167	
PISO 3A	B68	418	ENVE DISEÑO Max	5.6333	5.6333	
PISO 3A	B68	418	ENVE DISEÑO Max	8.35	8.35	
PISO 3A	B68	418	ENVE DISEÑO Min	0.2	0.2	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3A	B68	418	ENVE DISEÑO Min	2.9167	2.9167	
PISO 3A	B68	418	ENVE DISEÑO Min	5.6333	5.6333	
PISO 3A	B68	418	ENVE DISEÑO Min	8.35	8.35	
PISO 3A	B70	419	ENVE DISEÑO Max	0	0	
PISO 3A	B70	419	ENVE DISEÑO Max	1.8	1.8	
PISO 3A	B70	419	ENVE DISEÑO Max	2.45	2.45	
PISO 3A	B70	419	ENVE DISEÑO Max	2.45	0	
PISO 3A	B70	419	ENVE DISEÑO Max	3.6	1.15	
PISO 3A	B70	419	ENVE DISEÑO Max	5.4	2.95	
PISO 3A	B70	419	ENVE DISEÑO Min	0	0	
PISO 3A	B70	419	ENVE DISEÑO Min	1.8	1.8	
PISO 3A	B70	419	ENVE DISEÑO Min	2.45	2.45	
PISO 3A	B70	419	ENVE DISEÑO Min	2.45	0	
PISO 3A	B70	419	ENVE DISEÑO Min	3.6	1.15	
PISO 3A	B70	419	ENVE DISEÑO Min	5.4	2.95	
PISO 3A	B79	396	ENVE DISEÑO Max	0.3	0.3	
PISO 3A	B79	396	ENVE DISEÑO Max	3.1	3.1	
PISO 3A	B79	396	ENVE DISEÑO Max	5.9	5.9	
PISO 3A	B79	396	ENVE DISEÑO Max	8.7	8.7	
PISO 3A	B79	396	ENVE DISEÑO Min	0.3	0.3	
PISO 3A	B79	396	ENVE DISEÑO Min	3.1	3.1	
PISO 3A	B79	396	ENVE DISEÑO Min	5.9	5.9	
PISO 3A	B79	396	ENVE DISEÑO Min	8.7	8.7	
PISO 3A	B28	402	ENVE DISEÑO Max	0	0	
PISO 3A	B28	402	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3A	B28	402	ENVE DISEÑO Max	1.8	1.8	
PISO 3A	B28	402	ENVE DISEÑO Max	1.8	0	
PISO 3A	B28	402	ENVE DISEÑO Max	2.2667	0.4667	
PISO 3A	B28	402	ENVE DISEÑO Max	3.4	1.6	
PISO 3A	B28	402	ENVE DISEÑO Min	0	0	
PISO 3A	B28	402	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3A	B28	402	ENVE DISEÑO Min	1.8	1.8	
PISO 3A	B28	402	ENVE DISEÑO Min	1.8	0	
PISO 3A	B28	402	ENVE DISEÑO Min	2.2667	0.4667	
PISO 3A	B28	402	ENVE DISEÑO Min	3.4	1.6	
PISO 3A	B34	401	ENVE DISEÑO Max	0.3	0.3	
PISO 3A	B34	401	ENVE DISEÑO Max	2.0667	2.0667	
PISO 3A	B34	401	ENVE DISEÑO Max	3.8333	3.8333	
PISO 3A	B34	401	ENVE DISEÑO Max	5.6	5.6	
PISO 3A	B34	401	ENVE DISEÑO Min	0.3	0.3	
PISO 3A	B34	401	ENVE DISEÑO Min	2.0667	2.0667	
PISO 3A	B34	401	ENVE DISEÑO Min	3.8333	3.8333	
PISO 3A	B34	401	ENVE DISEÑO Min	5.6	5.6	
PISO 3A	B162	2	ENVE DISEÑO Max	0	0	
PISO 3A	B162	2	ENVE DISEÑO Max	1.8	1.8	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3A	B162	2	ENVE DISEÑO Max	2.45	2.45	
PISO 3A	B162	2	ENVE DISEÑO Max	2.45	0	
PISO 3A	B162	2	ENVE DISEÑO Max	3.6	1.15	
PISO 3A	B162	2	ENVE DISEÑO Max	5.4	2.95	
PISO 3A	B162	2	ENVE DISEÑO Min	0	0	
PISO 3A	B162	2	ENVE DISEÑO Min	1.8	1.8	
PISO 3A	B162	2	ENVE DISEÑO Min	2.45	2.45	
PISO 3A	B162	2	ENVE DISEÑO Min	2.45	0	
PISO 3A	B162	2	ENVE DISEÑO Min	3.6	1.15	
PISO 3A	B162	2	ENVE DISEÑO Min	5.4	2.95	
PISO 3	B5	53	ENVE DISEÑO Max	0.275	0.275	
PISO 3	B5	53	ENVE DISEÑO Max	1.0667	1.0667	
PISO 3	B5	53	ENVE DISEÑO Max	1.8583	1.8583	
PISO 3	B5	53	ENVE DISEÑO Max	2.65	2.65	
PISO 3	B5	53	ENVE DISEÑO Min	0.275	0.275	
PISO 3	B5	53	ENVE DISEÑO Min	1.0667	1.0667	
PISO 3	B5	53	ENVE DISEÑO Min	1.8583	1.8583	
PISO 3	B5	53	ENVE DISEÑO Min	2.65	2.65	
PISO 3	B6	66	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B6	66	ENVE DISEÑO Max	2	2	
PISO 3	B6	66	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B6	66	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B6	66	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B6	66	ENVE DISEÑO Min	2	2	
PISO 3	B6	66	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B6	66	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B7	67	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B7	67	ENVE DISEÑO Max	2	2	
PISO 3	B7	67	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B7	67	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B7	67	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B7	67	ENVE DISEÑO Min	2	2	
PISO 3	B7	67	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B7	67	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B8	68	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B8	68	ENVE DISEÑO Max	2	2	
PISO 3	B8	68	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B8	68	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B8	68	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B8	68	ENVE DISEÑO Min	2	2	
PISO 3	B8	68	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B8	68	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B9	69	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B9	69	ENVE DISEÑO Max	2	2	
PISO 3	B9	69	ENVE DISEÑO Max	3.8	3.8	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B9	69	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B9	69	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B9	69	ENVE DISEÑO Min	2	2	
PISO 3	B9	69	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B9	69	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B14	74	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B14	74	ENVE DISEÑO Max	2	2	
PISO 3	B14	74	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B14	74	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B14	74	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B14	74	ENVE DISEÑO Min	2	2	
PISO 3	B14	74	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B14	74	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B15	75	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B15	75	ENVE DISEÑO Max	2	2	
PISO 3	B15	75	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B15	75	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B15	75	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B15	75	ENVE DISEÑO Min	2	2	
PISO 3	B15	75	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B15	75	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B16	76	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B16	76	ENVE DISEÑO Max	2	2	
PISO 3	B16	76	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B16	76	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B16	76	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B16	76	ENVE DISEÑO Min	2	2	
PISO 3	B16	76	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B16	76	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B17	77	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B17	77	ENVE DISEÑO Max	2	2	
PISO 3	B17	77	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B17	77	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B17	77	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B17	77	ENVE DISEÑO Min	2	2	
PISO 3	B17	77	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B17	77	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B20	80	ENVE DISEÑO Max	0.25	0.25	
PISO 3	B20	80	ENVE DISEÑO Max	2.0833	2.0833	
PISO 3	B20	80	ENVE DISEÑO Max	3.9167	3.9167	
PISO 3	B20	80	ENVE DISEÑO Max	5.75	5.75	
PISO 3	B20	80	ENVE DISEÑO Min	0.25	0.25	
PISO 3	B20	80	ENVE DISEÑO Min	2.0833	2.0833	
PISO 3	B20	80	ENVE DISEÑO Min	3.9167	3.9167	
PISO 3	B20	80	ENVE DISEÑO Min	5.75	5.75	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B21	81	ENVE DISEÑO Max	0.25	0.25	
PISO 3	B21	81	ENVE DISEÑO Max	2.0833	2.0833	
PISO 3	B21	81	ENVE DISEÑO Max	3.9167	3.9167	
PISO 3	B21	81	ENVE DISEÑO Max	5.75	5.75	
PISO 3	B21	81	ENVE DISEÑO Min	0.25	0.25	
PISO 3	B21	81	ENVE DISEÑO Min	2.0833	2.0833	
PISO 3	B21	81	ENVE DISEÑO Min	3.9167	3.9167	
PISO 3	B21	81	ENVE DISEÑO Min	5.75	5.75	
PISO 3	B22	82	ENVE DISEÑO Max	0	0	
PISO 3	B22	82	ENVE DISEÑO Max	0.15	0.15	
PISO 3	B22	82	ENVE DISEÑO Max	0.3	0.3	
PISO 3	B22	82	ENVE DISEÑO Max	0.45	0.45	
PISO 3	B22	82	ENVE DISEÑO Min	0	0	
PISO 3	B22	82	ENVE DISEÑO Min	0.15	0.15	
PISO 3	B22	82	ENVE DISEÑO Min	0.3	0.3	
PISO 3	B22	82	ENVE DISEÑO Min	0.45	0.45	
PISO 3	B24	84	ENVE DISEÑO Max	0	0	
PISO 3	B24	84	ENVE DISEÑO Max	0.15	0.15	
PISO 3	B24	84	ENVE DISEÑO Max	0.3	0.3	
PISO 3	B24	84	ENVE DISEÑO Max	0.45	0.45	
PISO 3	B24	84	ENVE DISEÑO Min	0	0	
PISO 3	B24	84	ENVE DISEÑO Min	0.15	0.15	
PISO 3	B24	84	ENVE DISEÑO Min	0.3	0.3	
PISO 3	B24	84	ENVE DISEÑO Min	0.45	0.45	
PISO 3	B26	87	ENVE DISEÑO Max	0	0	
PISO 3	B26	87	ENVE DISEÑO Max	0.15	0.15	
PISO 3	B26	87	ENVE DISEÑO Max	0.3	0.3	
PISO 3	B26	87	ENVE DISEÑO Max	0.45	0.45	
PISO 3	B26	87	ENVE DISEÑO Min	0	0	
PISO 3	B26	87	ENVE DISEÑO Min	0.15	0.15	
PISO 3	B26	87	ENVE DISEÑO Min	0.3	0.3	
PISO 3	B26	87	ENVE DISEÑO Min	0.45	0.45	
PISO 3	B27	88	ENVE DISEÑO Max	0.25	0.25	
PISO 3	B27	88	ENVE DISEÑO Max	2.0833	2.0833	
PISO 3	B27	88	ENVE DISEÑO Max	3.9167	3.9167	
PISO 3	B27	88	ENVE DISEÑO Max	5.75	5.75	
PISO 3	B27	88	ENVE DISEÑO Min	0.25	0.25	
PISO 3	B27	88	ENVE DISEÑO Min	2.0833	2.0833	
PISO 3	B27	88	ENVE DISEÑO Min	3.9167	3.9167	
PISO 3	B27	88	ENVE DISEÑO Min	5.75	5.75	
PISO 3	B29	90	ENVE DISEÑO Max	0	0	
PISO 3	B29	90	ENVE DISEÑO Max	0.1417	0.1417	
PISO 3	B29	90	ENVE DISEÑO Max	0.2833	0.2833	
PISO 3	B29	90	ENVE DISEÑO Max	0.425	0.425	
PISO 3	B29	90	ENVE DISEÑO Min	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B29	90	ENVE DISEÑO Min	0.1417	0.1417	
PISO 3	B29	90	ENVE DISEÑO Min	0.2833	0.2833	
PISO 3	B29	90	ENVE DISEÑO Min	0.425	0.425	
PISO 3	B30	91	ENVE DISEÑO Max	0.275	0.275	
PISO 3	B30	91	ENVE DISEÑO Max	2.0917	2.0917	
PISO 3	B30	91	ENVE DISEÑO Max	3.9083	3.9083	
PISO 3	B30	91	ENVE DISEÑO Max	5.725	5.725	
PISO 3	B30	91	ENVE DISEÑO Min	0.275	0.275	
PISO 3	B30	91	ENVE DISEÑO Min	2.0917	2.0917	
PISO 3	B30	91	ENVE DISEÑO Min	3.9083	3.9083	
PISO 3	B30	91	ENVE DISEÑO Min	5.725	5.725	
PISO 3	B32	93	ENVE DISEÑO Max	0	0	
PISO 3	B32	93	ENVE DISEÑO Max	0.1417	0.1417	
PISO 3	B32	93	ENVE DISEÑO Max	0.2833	0.2833	
PISO 3	B32	93	ENVE DISEÑO Max	0.425	0.425	
PISO 3	B32	93	ENVE DISEÑO Min	0	0	
PISO 3	B32	93	ENVE DISEÑO Min	0.1417	0.1417	
PISO 3	B32	93	ENVE DISEÑO Min	0.2833	0.2833	
PISO 3	B32	93	ENVE DISEÑO Min	0.425	0.425	
PISO 3	B33	94	ENVE DISEÑO Max	0.275	0.275	
PISO 3	B33	94	ENVE DISEÑO Max	2.0917	2.0917	
PISO 3	B33	94	ENVE DISEÑO Max	3.9083	3.9083	
PISO 3	B33	94	ENVE DISEÑO Max	5.725	5.725	
PISO 3	B33	94	ENVE DISEÑO Min	0.275	0.275	
PISO 3	B33	94	ENVE DISEÑO Min	2.0917	2.0917	
PISO 3	B33	94	ENVE DISEÑO Min	3.9083	3.9083	
PISO 3	B33	94	ENVE DISEÑO Min	5.725	5.725	
PISO 3	B23	60	ENVE DISEÑO Max	0	0	
PISO 3	B23	60	ENVE DISEÑO Max	0.1417	0.1417	
PISO 3	B23	60	ENVE DISEÑO Max	0.2833	0.2833	
PISO 3	B23	60	ENVE DISEÑO Max	0.425	0.425	
PISO 3	B23	60	ENVE DISEÑO Min	0	0	
PISO 3	B23	60	ENVE DISEÑO Min	0.1417	0.1417	
PISO 3	B23	60	ENVE DISEÑO Min	0.2833	0.2833	
PISO 3	B23	60	ENVE DISEÑO Min	0.425	0.425	
PISO 3	B56	64	ENVE DISEÑO Max	0	0	
PISO 3	B56	64	ENVE DISEÑO Max	0.95	0.95	
PISO 3	B56	64	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B56	64	ENVE DISEÑO Max	2.85	2.85	
PISO 3	B56	64	ENVE DISEÑO Min	0	0	
PISO 3	B56	64	ENVE DISEÑO Min	0.95	0.95	
PISO 3	B56	64	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B56	64	ENVE DISEÑO Min	2.85	2.85	
PISO 3	B57	115	ENVE DISEÑO Max	0	0	
PISO 3	B57	115	ENVE DISEÑO Max	1.9333	1.9333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B57	115	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B57	115	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B57	115	ENVE DISEÑO Min	0	0	
PISO 3	B57	115	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B57	115	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B57	115	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B58	116	ENVE DISEÑO Max	0	0	
PISO 3	B58	116	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B58	116	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B58	116	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B58	116	ENVE DISEÑO Min	0	0	
PISO 3	B58	116	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B58	116	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B58	116	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B59	117	ENVE DISEÑO Max	0	0	
PISO 3	B59	117	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B59	117	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B59	117	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B59	117	ENVE DISEÑO Min	0	0	
PISO 3	B59	117	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B59	117	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B59	117	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B60	118	ENVE DISEÑO Max	0	0	
PISO 3	B60	118	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B60	118	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B60	118	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B60	118	ENVE DISEÑO Min	0	0	
PISO 3	B60	118	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B60	118	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B60	118	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B70	128	ENVE DISEÑO Max	0	0	
PISO 3	B70	128	ENVE DISEÑO Max	1.8	1.8	
PISO 3	B70	128	ENVE DISEÑO Max	2.45	2.45	
PISO 3	B70	128	ENVE DISEÑO Max	2.45	0	
PISO 3	B70	128	ENVE DISEÑO Max	3.6	1.15	
PISO 3	B70	128	ENVE DISEÑO Max	5.4	2.95	
PISO 3	B70	128	ENVE DISEÑO Min	0	0	
PISO 3	B70	128	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B70	128	ENVE DISEÑO Min	2.45	2.45	
PISO 3	B70	128	ENVE DISEÑO Min	2.45	0	
PISO 3	B70	128	ENVE DISEÑO Min	3.6	1.15	
PISO 3	B70	128	ENVE DISEÑO Min	5.4	2.95	
PISO 3	B77	135	ENVE DISEÑO Max	0	0	
PISO 3	B77	135	ENVE DISEÑO Max	0.1333	0.1333	
PISO 3	B77	135	ENVE DISEÑO Max	0.2667	0.2667	



Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B77	135	ENVE DISEÑO Max	0.4	0.4	
PISO 3	B77	135	ENVE DISEÑO Min	0	0	
PISO 3	B77	135	ENVE DISEÑO Min	0.1333	0.1333	
PISO 3	B77	135	ENVE DISEÑO Min	0.2667	0.2667	
PISO 3	B77	135	ENVE DISEÑO Min	0.4	0.4	
PISO 3	B78	136	ENVE DISEÑO Max	0.3	0.3	
PISO 3	B78	136	ENVE DISEÑO Max	2.1	2.1	
PISO 3	B78	136	ENVE DISEÑO Max	3.9	3.9	
PISO 3	B78	136	ENVE DISEÑO Max	5.7	5.7	
PISO 3	B78	136	ENVE DISEÑO Min	0.3	0.3	
PISO 3	B78	136	ENVE DISEÑO Min	2.1	2.1	
PISO 3	B78	136	ENVE DISEÑO Min	3.9	3.9	
PISO 3	B78	136	ENVE DISEÑO Min	5.7	5.7	
PISO 3	B1	39	ENVE DISEÑO Max	0	0	
PISO 3	B1	39	ENVE DISEÑO Max	0.8833	0.8833	
PISO 3	B1	39	ENVE DISEÑO Max	1.7667	1.7667	
PISO 3	B1	39	ENVE DISEÑO Max	2.65	2.65	
PISO 3	B1	39	ENVE DISEÑO Min	0	0	
PISO 3	B1	39	ENVE DISEÑO Min	0.8833	0.8833	
PISO 3	B1	39	ENVE DISEÑO Min	1.7667	1.7667	
PISO 3	B1	39	ENVE DISEÑO Min	2.65	2.65	
PISO 3	B12	55	ENVE DISEÑO Max	0	0	
PISO 3	B12	55	ENVE DISEÑO Max	0.6833	0.6833	
PISO 3	B12	55	ENVE DISEÑO Max	1.3667	1.3667	
PISO 3	B12	55	ENVE DISEÑO Max	2.05	2.05	
PISO 3	B12	55	ENVE DISEÑO Min	0	0	
PISO 3	B12	55	ENVE DISEÑO Min	0.6833	0.6833	
PISO 3	B12	55	ENVE DISEÑO Min	1.3667	1.3667	
PISO 3	B12	55	ENVE DISEÑO Min	2.05	2.05	
PISO 3	B25	58	ENVE DISEÑO Max	0	0	
PISO 3	B25	58	ENVE DISEÑO Max	0.6333	0.6333	
PISO 3	B25	58	ENVE DISEÑO Max	1.2667	1.2667	
PISO 3	B25	58	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B25	58	ENVE DISEÑO Min	0	0	
PISO 3	B25	58	ENVE DISEÑO Min	0.6333	0.6333	
PISO 3	B25	58	ENVE DISEÑO Min	1.2667	1.2667	
PISO 3	B25	58	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B63	72	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B63	72	ENVE DISEÑO Max	0.7667	0.7667	
PISO 3	B63	72	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B63	72	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B63	72	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B63	72	ENVE DISEÑO Min	0.7667	0.7667	
PISO 3	B63	72	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B63	72	ENVE DISEÑO Min	1.9	1.9	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B64	121	ENVE DISEÑO Max	0	0	
PISO 3	B64	121	ENVE DISEÑO Max	0.95	0.95	
PISO 3	B64	121	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B64	121	ENVE DISEÑO Max	2.85	2.85	
PISO 3	B64	121	ENVE DISEÑO Min	0	0	
PISO 3	B64	121	ENVE DISEÑO Min	0.95	0.95	
PISO 3	B64	121	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B64	121	ENVE DISEÑO Min	2.85	2.85	
PISO 3	B65	310	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B65	310	ENVE DISEÑO Max	2	2	
PISO 3	B65	310	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B65	310	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B65	310	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B65	310	ENVE DISEÑO Min	2	2	
PISO 3	B65	310	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B65	310	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B66	315	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B66	315	ENVE DISEÑO Max	2	2	
PISO 3	B66	315	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B66	315	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B66	315	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B66	315	ENVE DISEÑO Min	2	2	
PISO 3	B66	315	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B66	315	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B73	316	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B73	316	ENVE DISEÑO Max	2	2	
PISO 3	B73	316	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B73	316	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B73	316	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B73	316	ENVE DISEÑO Min	2	2	
PISO 3	B73	316	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B73	316	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B91	317	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B91	317	ENVE DISEÑO Max	2	2	
PISO 3	B91	317	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B91	317	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B91	317	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B91	317	ENVE DISEÑO Min	2	2	
PISO 3	B91	317	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B91	317	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B99	127	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B99	127	ENVE DISEÑO Max	0.7667	0.7667	
PISO 3	B99	127	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B99	127	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B99	127	ENVE DISEÑO Min	0.2	0.2	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B99	127	ENVE DISEÑO Min	0.7667	0.7667	
PISO 3	B99	127	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B99	127	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B101	149	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B101	149	ENVE DISEÑO Max	0.7667	0.7667	
PISO 3	B101	149	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B101	149	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B101	149	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B101	149	ENVE DISEÑO Min	0.7667	0.7667	
PISO 3	B101	149	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B101	149	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B103	189	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B103	189	ENVE DISEÑO Max	0.7667	0.7667	
PISO 3	B103	189	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B103	189	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B103	189	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B103	189	ENVE DISEÑO Min	0.7667	0.7667	
PISO 3	B103	189	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B103	189	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B105	341	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B105	341	ENVE DISEÑO Max	0.7667	0.7667	
PISO 3	B105	341	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B105	341	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B105	341	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B105	341	ENVE DISEÑO Min	0.7667	0.7667	
PISO 3	B105	341	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B105	341	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B106	337	ENVE DISEÑO Max	0	0	
PISO 3	B106	337	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B106	337	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B106	337	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B106	337	ENVE DISEÑO Min	0	0	
PISO 3	B106	337	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B106	337	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B106	337	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B107	338	ENVE DISEÑO Max	0	0	
PISO 3	B107	338	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B107	338	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B107	338	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B107	338	ENVE DISEÑO Min	0	0	
PISO 3	B107	338	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B107	338	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B107	338	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B108	339	ENVE DISEÑO Max	0	0	
PISO 3	B108	339	ENVE DISEÑO Max	1.9333	1.9333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B108	339	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B108	339	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B108	339	ENVE DISEÑO Min	0	0	
PISO 3	B108	339	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B108	339	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B108	339	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B109	340	ENVE DISEÑO Max	0	0	
PISO 3	B109	340	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B109	340	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B109	340	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B109	340	ENVE DISEÑO Min	0	0	
PISO 3	B109	340	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B109	340	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B109	340	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B114	122	ENVE DISEÑO Max	0	0	
PISO 3	B114	122	ENVE DISEÑO Max	0.6333	0.6333	
PISO 3	B114	122	ENVE DISEÑO Max	1.2667	1.2667	
PISO 3	B114	122	ENVE DISEÑO Max	1.9	1.9	
PISO 3	B114	122	ENVE DISEÑO Min	0	0	
PISO 3	B114	122	ENVE DISEÑO Min	0.6333	0.6333	
PISO 3	B114	122	ENVE DISEÑO Min	1.2667	1.2667	
PISO 3	B114	122	ENVE DISEÑO Min	1.9	1.9	
PISO 3	B115	123	ENVE DISEÑO Max	0	0	
PISO 3	B115	123	ENVE DISEÑO Max	0.6667	0.6667	
PISO 3	B115	123	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B115	123	ENVE DISEÑO Max	2	2	
PISO 3	B115	123	ENVE DISEÑO Min	0	0	
PISO 3	B115	123	ENVE DISEÑO Min	0.6667	0.6667	
PISO 3	B115	123	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B115	123	ENVE DISEÑO Min	2	2	
PISO 3	B116	124	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B116	124	ENVE DISEÑO Max	0.8	0.8	
PISO 3	B116	124	ENVE DISEÑO Max	1.4	1.4	
PISO 3	B116	124	ENVE DISEÑO Max	2	2	
PISO 3	B116	124	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B116	124	ENVE DISEÑO Min	0.8	0.8	
PISO 3	B116	124	ENVE DISEÑO Min	1.4	1.4	
PISO 3	B116	124	ENVE DISEÑO Min	2	2	
PISO 3	B117	200	ENVE DISEÑO Max	0	0	
PISO 3	B117	200	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B117	200	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B117	200	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B117	200	ENVE DISEÑO Min	0	0	
PISO 3	B117	200	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B117	200	ENVE DISEÑO Min	3.8667	3.8667	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B117	200	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B118	201	ENVE DISEÑO Max	0	0	
PISO 3	B118	201	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B118	201	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B118	201	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B118	201	ENVE DISEÑO Min	0	0	
PISO 3	B118	201	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B118	201	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B118	201	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B119	292	ENVE DISEÑO Max	0	0	
PISO 3	B119	292	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B119	292	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B119	292	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B119	292	ENVE DISEÑO Min	0	0	
PISO 3	B119	292	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B119	292	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B119	292	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B120	343	ENVE DISEÑO Max	0	0	
PISO 3	B120	343	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B120	343	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B120	343	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B120	343	ENVE DISEÑO Min	0	0	
PISO 3	B120	343	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B120	343	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B120	343	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B121	344	ENVE DISEÑO Max	0	0	
PISO 3	B121	344	ENVE DISEÑO Max	0.6667	0.6667	
PISO 3	B121	344	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B121	344	ENVE DISEÑO Max	2	2	
PISO 3	B121	344	ENVE DISEÑO Min	0	0	
PISO 3	B121	344	ENVE DISEÑO Min	0.6667	0.6667	
PISO 3	B121	344	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B121	344	ENVE DISEÑO Min	2	2	
PISO 3	B122	345	ENVE DISEÑO Max	0	0	
PISO 3	B122	345	ENVE DISEÑO Max	0.6	0.6	
PISO 3	B122	345	ENVE DISEÑO Max	1.2	1.2	
PISO 3	B122	345	ENVE DISEÑO Max	1.8	1.8	
PISO 3	B122	345	ENVE DISEÑO Min	0	0	
PISO 3	B122	345	ENVE DISEÑO Min	0.6	0.6	
PISO 3	B122	345	ENVE DISEÑO Min	1.2	1.2	
PISO 3	B122	345	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B123	346	ENVE DISEÑO Max	0	0	
PISO 3	B123	346	ENVE DISEÑO Max	0.6	0.6	
PISO 3	B123	346	ENVE DISEÑO Max	1.2	1.2	
PISO 3	B123	346	ENVE DISEÑO Max	1.8	1.8	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B123	346	ENVE DISEÑO Min	0	0	
PISO 3	B123	346	ENVE DISEÑO Min	0.6	0.6	
PISO 3	B123	346	ENVE DISEÑO Min	1.2	1.2	
PISO 3	B123	346	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B124	347	ENVE DISEÑO Max	0	0	
PISO 3	B124	347	ENVE DISEÑO Max	0.6	0.6	
PISO 3	B124	347	ENVE DISEÑO Max	1.2	1.2	
PISO 3	B124	347	ENVE DISEÑO Max	1.8	1.8	
PISO 3	B124	347	ENVE DISEÑO Min	0	0	
PISO 3	B124	347	ENVE DISEÑO Min	0.6	0.6	
PISO 3	B124	347	ENVE DISEÑO Min	1.2	1.2	
PISO 3	B124	347	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B128	351	ENVE DISEÑO Max	0	0	
PISO 3	B128	351	ENVE DISEÑO Max	0.6	0.6	
PISO 3	B128	351	ENVE DISEÑO Max	1.2	1.2	
PISO 3	B128	351	ENVE DISEÑO Max	1.8	1.8	
PISO 3	B128	351	ENVE DISEÑO Min	0	0	
PISO 3	B128	351	ENVE DISEÑO Min	0.6	0.6	
PISO 3	B128	351	ENVE DISEÑO Min	1.2	1.2	
PISO 3	B128	351	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B130	353	ENVE DISEÑO Max	0	0	
PISO 3	B130	353	ENVE DISEÑO Max	0.6	0.6	
PISO 3	B130	353	ENVE DISEÑO Max	1.2	1.2	
PISO 3	B130	353	ENVE DISEÑO Max	1.8	1.8	
PISO 3	B130	353	ENVE DISEÑO Min	0	0	
PISO 3	B130	353	ENVE DISEÑO Min	0.6	0.6	
PISO 3	B130	353	ENVE DISEÑO Min	1.2	1.2	
PISO 3	B130	353	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B132	355	ENVE DISEÑO Max	0	0	
PISO 3	B132	355	ENVE DISEÑO Max	0.6667	0.6667	
PISO 3	B132	355	ENVE DISEÑO Max	1.3333	1.3333	
PISO 3	B132	355	ENVE DISEÑO Max	2	2	
PISO 3	B132	355	ENVE DISEÑO Min	0	0	
PISO 3	B132	355	ENVE DISEÑO Min	0.6667	0.6667	
PISO 3	B132	355	ENVE DISEÑO Min	1.3333	1.3333	
PISO 3	B132	355	ENVE DISEÑO Min	2	2	
PISO 3	B137	86	ENVE DISEÑO Max	0.25	0.25	
PISO 3	B137	86	ENVE DISEÑO Max	1.75	1.75	
PISO 3	B137	86	ENVE DISEÑO Max	2.5	2.5	
PISO 3	B137	86	ENVE DISEÑO Min	0.25	0.25	
PISO 3	B137	86	ENVE DISEÑO Min	1	1	
PISO 3	B137	86	ENVE DISEÑO Min	1.75	1.75	
PISO 3	B137	86	ENVE DISEÑO Min	2.5	2.5	
PISO 3	B138	89	ENVE DISEÑO Max	0.25	0.25	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B138	89	ENVE DISEÑO Max	1	1	
PISO 3	B138	89	ENVE DISEÑO Max	1.75	1.75	
PISO 3	B138	89	ENVE DISEÑO Max	2.5	2.5	
PISO 3	B138	89	ENVE DISEÑO Min	0.25	0.25	
PISO 3	B138	89	ENVE DISEÑO Min	1	1	
PISO 3	B138	89	ENVE DISEÑO Min	1.75	1.75	
PISO 3	B138	89	ENVE DISEÑO Min	2.5	2.5	
PISO 3	B139	92	ENVE DISEÑO Max	0.275	0.275	
PISO 3	B139	92	ENVE DISEÑO Max	1.0167	1.0167	
PISO 3	B139	92	ENVE DISEÑO Max	1.7583	1.7583	
PISO 3	B139	92	ENVE DISEÑO Max	2.5	2.5	
PISO 3	B139	92	ENVE DISEÑO Min	0.275	0.275	
PISO 3	B139	92	ENVE DISEÑO Min	1.0167	1.0167	
PISO 3	B139	92	ENVE DISEÑO Min	1.7583	1.7583	
PISO 3	B139	92	ENVE DISEÑO Min	2.5	2.5	
PISO 3	B140	95	ENVE DISEÑO Max	0.275	0.275	
PISO 3	B140	95	ENVE DISEÑO Max	1.0167	1.0167	
PISO 3	B140	95	ENVE DISEÑO Max	1.7583	1.7583	
PISO 3	B140	95	ENVE DISEÑO Max	2.5	2.5	
PISO 3	B140	95	ENVE DISEÑO Min	0.275	0.275	
PISO 3	B140	95	ENVE DISEÑO Min	1.0167	1.0167	
PISO 3	B140	95	ENVE DISEÑO Min	1.7583	1.7583	
PISO 3	B140	95	ENVE DISEÑO Min	2.5	2.5	
PISO 3	B142	114	ENVE DISEÑO Max	0.25	0.25	
PISO 3	B142	114	ENVE DISEÑO Max	1	1	
PISO 3	B142	114	ENVE DISEÑO Max	1.75	1.75	
PISO 3	B142	114	ENVE DISEÑO Max	2.5	2.5	
PISO 3	B142	114	ENVE DISEÑO Min	0.25	0.25	
PISO 3	B142	114	ENVE DISEÑO Min	1	1	
PISO 3	B142	114	ENVE DISEÑO Min	1.75	1.75	
PISO 3	B142	114	ENVE DISEÑO Min	2.5	2.5	
PISO 3	B144	130	ENVE DISEÑO Max	0	0	
PISO 3	B144	130	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B144	130	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B144	130	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B144	130	ENVE DISEÑO Min	0	0	
PISO 3	B144	130	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B144	130	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B144	130	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B145	131	ENVE DISEÑO Max	0	0	
PISO 3	B145	131	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B145	131	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B145	131	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B145	131	ENVE DISEÑO Min	0	0	
PISO 3	B145	131	ENVE DISEÑO Min	1.9333	1.9333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B145	131	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B145	131	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B146	132	ENVE DISEÑO Max	0	0	
PISO 3	B146	132	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B146	132	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B146	132	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B146	132	ENVE DISEÑO Min	0	0	
PISO 3	B146	132	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B146	132	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B146	132	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B147	138	ENVE DISEÑO Max	0	0	
PISO 3	B147	138	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B147	138	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B147	138	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B147	138	ENVE DISEÑO Min	0	0	
PISO 3	B147	138	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B147	138	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B147	138	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B149	350	ENVE DISEÑO Max	0	0	
PISO 3	B149	350	ENVE DISEÑO Max	0.1833	0.1833	
PISO 3	B149	350	ENVE DISEÑO Max	0.3667	0.3667	
PISO 3	B149	350	ENVE DISEÑO Max	0.55	0.55	
PISO 3	B149	350	ENVE DISEÑO Min	0	0	
PISO 3	B149	350	ENVE DISEÑO Min	0.1833	0.1833	
PISO 3	B149	350	ENVE DISEÑO Min	0.3667	0.3667	
PISO 3	B149	350	ENVE DISEÑO Min	0.55	0.55	
PISO 3	B151	367	ENVE DISEÑO Max	0	0	
PISO 3	B151	367	ENVE DISEÑO Max	0.9501	0.9501	
PISO 3	B151	367	ENVE DISEÑO Max	1.9003	1.9003	
PISO 3	B151	367	ENVE DISEÑO Max	2.8504	2.8504	
PISO 3	B151	367	ENVE DISEÑO Min	0	0	
PISO 3	B151	367	ENVE DISEÑO Min	0.9501	0.9501	
PISO 3	B151	367	ENVE DISEÑO Min	1.9003	1.9003	
PISO 3	B151	367	ENVE DISEÑO Min	2.8504	2.8504	
PISO 3	B154	140	ENVE DISEÑO Max	0.3	0.3	
PISO 3	B154	140	ENVE DISEÑO Max	1.0333	1.0333	
PISO 3	B154	140	ENVE DISEÑO Max	1.7667	1.7667	
PISO 3	B154	140	ENVE DISEÑO Max	2.5	2.5	
PISO 3	B154	140	ENVE DISEÑO Min	0.3	0.3	
PISO 3	B154	140	ENVE DISEÑO Min	1.0333	1.0333	
PISO 3	B154	140	ENVE DISEÑO Min	1.7667	1.7667	
PISO 3	B154	140	ENVE DISEÑO Min	2.5	2.5	
PISO 3	B155	139	ENVE DISEÑO Max	0	0	
PISO 3	B155	139	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B155	139	ENVE DISEÑO Max	3.8667	3.8667	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B155	139	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B155	139	ENVE DISEÑO Min	0	0	
PISO 3	B155	139	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B155	139	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B155	139	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B156	70	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B156	70	ENVE DISEÑO Max	2	2	
PISO 3	B156	70	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B156	70	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B156	70	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B156	70	ENVE DISEÑO Min	2	2	
PISO 3	B156	70	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B156	70	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B157	78	ENVE DISEÑO Max	0.2	0.2	
PISO 3	B157	78	ENVE DISEÑO Max	2	2	
PISO 3	B157	78	ENVE DISEÑO Max	3.8	3.8	
PISO 3	B157	78	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B157	78	ENVE DISEÑO Min	0.2	0.2	
PISO 3	B157	78	ENVE DISEÑO Min	2	2	
PISO 3	B157	78	ENVE DISEÑO Min	3.8	3.8	
PISO 3	B157	78	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B158	119	ENVE DISEÑO Max	0	0	
PISO 3	B158	119	ENVE DISEÑO Max	1.9333	1.9333	
PISO 3	B158	119	ENVE DISEÑO Max	3.8667	3.8667	
PISO 3	B158	119	ENVE DISEÑO Max	5.8	5.8	
PISO 3	B158	119	ENVE DISEÑO Min	0	0	
PISO 3	B158	119	ENVE DISEÑO Min	1.9333	1.9333	
PISO 3	B158	119	ENVE DISEÑO Min	3.8667	3.8667	
PISO 3	B158	119	ENVE DISEÑO Min	5.8	5.8	
PISO 3	B143	62	ENVE DISEÑO Max	0	0	
PISO 3	B143	62	ENVE DISEÑO Max	0.45	0.45	
PISO 3	B143	62	ENVE DISEÑO Max	0.9	0.9	
PISO 3	B143	62	ENVE DISEÑO Max	1.35	1.35	
PISO 3	B143	62	ENVE DISEÑO Min	0	0	
PISO 3	B143	62	ENVE DISEÑO Min	0.45	0.45	
PISO 3	B143	62	ENVE DISEÑO Min	0.9	0.9	
PISO 3	B143	62	ENVE DISEÑO Min	1.35	1.35	
PISO 3	B148	65	ENVE DISEÑO Max	0	0	
PISO 3	B148	65	ENVE DISEÑO Max	0.2333	0.2333	
PISO 3	B148	65	ENVE DISEÑO Max	0.4667	0.4667	
PISO 3	B148	65	ENVE DISEÑO Max	0.7	0.7	
PISO 3	B148	65	ENVE DISEÑO Min	0	0	
PISO 3	B148	65	ENVE DISEÑO Min	0.2333	0.2333	
PISO 3	B148	65	ENVE DISEÑO Min	0.4667	0.4667	
PISO 3	B148	65	ENVE DISEÑO Min	0.7	0.7	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B159	83	ENVE DISEÑO Max	0	0	
PISO 3	B159	83	ENVE DISEÑO Max	0.3583	0.3583	
PISO 3	B159	83	ENVE DISEÑO Max	0.7167	0.7167	
PISO 3	B159	83	ENVE DISEÑO Max	1.075	1.075	
PISO 3	B159	83	ENVE DISEÑO Min	0	0	
PISO 3	B159	83	ENVE DISEÑO Min	0.3583	0.3583	
PISO 3	B159	83	ENVE DISEÑO Min	0.7167	0.7167	
PISO 3	B159	83	ENVE DISEÑO Min	1.075	1.075	
PISO 3	B28	109	ENVE DISEÑO Max	0	0	
PISO 3	B28	109	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3	B28	109	ENVE DISEÑO Max	1.8	1.8	
PISO 3	B28	109	ENVE DISEÑO Max	1.8	0	
PISO 3	B28	109	ENVE DISEÑO Max	2.2667	0.4667	
PISO 3	B28	109	ENVE DISEÑO Max	3.4	1.6	
PISO 3	B28	109	ENVE DISEÑO Min	0	0	
PISO 3	B28	109	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3	B28	109	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B28	109	ENVE DISEÑO Min	1.8	0	
PISO 3	B28	109	ENVE DISEÑO Min	2.2667	0.4667	
PISO 3	B28	109	ENVE DISEÑO Min	3.4	1.6	
PISO 3	B31	42	ENVE DISEÑO Max	0	0	
PISO 3	B31	42	ENVE DISEÑO Max	1.1333	1.1333	
PISO 3	B31	42	ENVE DISEÑO Max	2.2667	2.2667	
PISO 3	B31	42	ENVE DISEÑO Max	3.4	3.4	
PISO 3	B31	42	ENVE DISEÑO Min	0	0	
PISO 3	B31	42	ENVE DISEÑO Min	1.1333	1.1333	
PISO 3	B31	42	ENVE DISEÑO Min	2.2667	2.2667	
PISO 3	B31	42	ENVE DISEÑO Min	3.4	3.4	
PISO 3	B37	61	ENVE DISEÑO Max	0.275	0.275	
PISO 3	B37	61	ENVE DISEÑO Max	2.05	2.05	
PISO 3	B37	61	ENVE DISEÑO Max	3.825	3.825	
PISO 3	B37	61	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B37	61	ENVE DISEÑO Min	0.275	0.275	
PISO 3	B37	61	ENVE DISEÑO Min	2.05	2.05	
PISO 3	B37	61	ENVE DISEÑO Min	3.825	3.825	
PISO 3	B37	61	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B69	99	ENVE DISEÑO Max	0	0	
PISO 3	B69	99	ENVE DISEÑO Max	0.8923	0.8923	
PISO 3	B69	99	ENVE DISEÑO Max	1.7846	1.7846	
PISO 3	B69	99	ENVE DISEÑO Max	2.677	2.677	
PISO 3	B69	99	ENVE DISEÑO Min	0	0	
PISO 3	B69	99	ENVE DISEÑO Min	0.8923	0.8923	
PISO 3	B69	99	ENVE DISEÑO Min	1.7846	1.7846	
PISO 3	B69	99	ENVE DISEÑO Min	2.677	2.677	
PISO 3	B161	73	ENVE DISEÑO Max	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 3	B161	73	ENVE DISEÑO Max	1.8667	1.8667	
PISO 3	B161	73	ENVE DISEÑO Max	3.7333	3.7333	
PISO 3	B161	73	ENVE DISEÑO Max	5.6	5.6	
PISO 3	B161	73	ENVE DISEÑO Min	0	0	
PISO 3	B161	73	ENVE DISEÑO Min	1.8667	1.8667	
PISO 3	B161	73	ENVE DISEÑO Min	3.7333	3.7333	
PISO 3	B161	73	ENVE DISEÑO Min	5.6	5.6	
PISO 3	B162	85	ENVE DISEÑO Max	0	0	
PISO 3	B162	85	ENVE DISEÑO Max	1.8	1.8	
PISO 3	B162	85	ENVE DISEÑO Max	2.45	2.45	
PISO 3	B162	85	ENVE DISEÑO Max	2.45	0	
PISO 3	B162	85	ENVE DISEÑO Max	3.6	1.15	
PISO 3	B162	85	ENVE DISEÑO Max	4.05	1.6	
PISO 3	B162	85	ENVE DISEÑO Max	4.05	0	
PISO 3	B162	85	ENVE DISEÑO Max	5.4	1.35	
PISO 3	B162	85	ENVE DISEÑO Min	0	0	
PISO 3	B162	85	ENVE DISEÑO Min	1.8	1.8	
PISO 3	B162	85	ENVE DISEÑO Min	2.45	2.45	
PISO 3	B162	85	ENVE DISEÑO Min	2.45	0	
PISO 3	B162	85	ENVE DISEÑO Min	3.6	1.15	
PISO 3	B162	85	ENVE DISEÑO Min	4.05	1.6	
PISO 3	B162	85	ENVE DISEÑO Min	4.05	0	
PISO 3	B162	85	ENVE DISEÑO Min	5.4	1.35	
PISO 2	B2	218	ENVE DISEÑO Max	0	0	
PISO 2	B2	218	ENVE DISEÑO Max	0.75	0.75	
PISO 2	B2	218	ENVE DISEÑO Max	1.5	1.5	
PISO 2	B2	218	ENVE DISEÑO Max	2.25	2.25	
PISO 2	B2	218	ENVE DISEÑO Min	0	0	
PISO 2	B2	218	ENVE DISEÑO Min	0.75	0.75	
PISO 2	B2	218	ENVE DISEÑO Min	1.5	1.5	
PISO 2	B2	218	ENVE DISEÑO Min	2.25	2.25	
PISO 2	B3	219	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B3	219	ENVE DISEÑO Max	2.85	2.85	
PISO 2	B3	219	ENVE DISEÑO Max	5.5	5.5	
PISO 2	B3	219	ENVE DISEÑO Max	8.15	8.15	
PISO 2	B3	219	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B3	219	ENVE DISEÑO Min	2.85	2.85	
PISO 2	B3	219	ENVE DISEÑO Min	5.5	5.5	
PISO 2	B3	219	ENVE DISEÑO Min	8.15	8.15	
PISO 2	B4	220	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B4	220	ENVE DISEÑO Max	1.8417	1.8417	
PISO 2	B4	220	ENVE DISEÑO Max	3.4833	3.4833	
PISO 2	B4	220	ENVE DISEÑO Max	5.125	5.125	
PISO 2	B4	220	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B4	220	ENVE DISEÑO Min	1.8417	1.8417	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B4	220	ENVE DISEÑO Min	3.4833	3.4833	
PISO 2	B4	220	ENVE DISEÑO Min	5.125	5.125	
PISO 2	B6	222	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B6	222	ENVE DISEÑO Max	2	2	
PISO 2	B6	222	ENVE DISEÑO Max	3.8	3.8	
PISO 2	B6	222	ENVE DISEÑO Max	5.6	5.6	
PISO 2	B6	222	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B6	222	ENVE DISEÑO Min	2	2	
PISO 2	B6	222	ENVE DISEÑO Min	3.8	3.8	
PISO 2	B6	222	ENVE DISEÑO Min	5.6	5.6	
PISO 2	B14	230	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B14	230	ENVE DISEÑO Max	2	2	
PISO 2	B14	230	ENVE DISEÑO Max	3.8	3.8	
PISO 2	B14	230	ENVE DISEÑO Max	5.6	5.6	
PISO 2	B14	230	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B14	230	ENVE DISEÑO Min	2	2	
PISO 2	B14	230	ENVE DISEÑO Min	3.8	3.8	
PISO 2	B14	230	ENVE DISEÑO Min	5.6	5.6	
PISO 2	B20	236	ENVE DISEÑO Max	0.25	0.25	
PISO 2	B20	236	ENVE DISEÑO Max	2.0833	2.0833	
PISO 2	B20	236	ENVE DISEÑO Max	3.5	3.5	
PISO 2	B20	236	ENVE DISEÑO Max	3.5	0	
PISO 2	B20	236	ENVE DISEÑO Max	3.9167	0.4167	
PISO 2	B20	236	ENVE DISEÑO Max	5.75	2.25	
PISO 2	B20	236	ENVE DISEÑO Min	0.25	0.25	
PISO 2	B20	236	ENVE DISEÑO Min	2.0833	2.0833	
PISO 2	B20	236	ENVE DISEÑO Min	3.5	3.5	
PISO 2	B20	236	ENVE DISEÑO Min	3.5	0	
PISO 2	B20	236	ENVE DISEÑO Min	3.9167	0.4167	
PISO 2	B20	236	ENVE DISEÑO Min	5.75	2.25	
PISO 2	B21	237	ENVE DISEÑO Max	0.25	0.25	
PISO 2	B21	237	ENVE DISEÑO Max	2.0833	2.0833	
PISO 2	B21	237	ENVE DISEÑO Max	3.5	3.5	
PISO 2	B21	237	ENVE DISEÑO Max	3.5	0	
PISO 2	B21	237	ENVE DISEÑO Max	3.9167	0.4167	
PISO 2	B21	237	ENVE DISEÑO Max	5.75	2.25	
PISO 2	B21	237	ENVE DISEÑO Min	0.25	0.25	
PISO 2	B21	237	ENVE DISEÑO Min	2.0833	2.0833	
PISO 2	B21	237	ENVE DISEÑO Min	3.5	3.5	
PISO 2	B21	237	ENVE DISEÑO Min	3.5	0	
PISO 2	B21	237	ENVE DISEÑO Min	3.9167	0.4167	
PISO 2	B21	237	ENVE DISEÑO Min	5.75	2.25	
PISO 2	B22	238	ENVE DISEÑO Max	0	0	
PISO 2	B22	238	ENVE DISEÑO Max	0.15	0.15	
PISO 2	B22	238	ENVE DISEÑO Max	0.3	0.3	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B22	238	ENVE DISEÑO Max	0.45	0.45	
PISO 2	B22	238	ENVE DISEÑO Min	0	0	
PISO 2	B22	238	ENVE DISEÑO Min	0.15	0.15	
PISO 2	B22	238	ENVE DISEÑO Min	0.3	0.3	
PISO 2	B22	238	ENVE DISEÑO Min	0.45	0.45	
PISO 2	B24	239	ENVE DISEÑO Max	0	0	
PISO 2	B24	239	ENVE DISEÑO Max	0.15	0.15	
PISO 2	B24	239	ENVE DISEÑO Max	0.3	0.3	
PISO 2	B24	239	ENVE DISEÑO Max	0.45	0.45	
PISO 2	B24	239	ENVE DISEÑO Min	0	0	
PISO 2	B24	239	ENVE DISEÑO Min	0.15	0.15	
PISO 2	B24	239	ENVE DISEÑO Min	0.3	0.3	
PISO 2	B24	239	ENVE DISEÑO Min	0.45	0.45	
PISO 2	B38	253	ENVE DISEÑO Max	0	0	
PISO 2	B38	253	ENVE DISEÑO Max	0.2333	0.2333	
PISO 2	B38	253	ENVE DISEÑO Max	0.4667	0.4667	
PISO 2	B38	253	ENVE DISEÑO Max	0.7	0.7	
PISO 2	B38	253	ENVE DISEÑO Min	0	0	
PISO 2	B38	253	ENVE DISEÑO Min	0.2333	0.2333	
PISO 2	B38	253	ENVE DISEÑO Min	0.4667	0.4667	
PISO 2	B38	253	ENVE DISEÑO Min	0.7	0.7	
PISO 2	B39	254	ENVE DISEÑO Max	0	0	
PISO 2	B39	254	ENVE DISEÑO Max	2.4667	2.4667	
PISO 2	B39	254	ENVE DISEÑO Max	4.9333	4.9333	
PISO 2	B39	254	ENVE DISEÑO Max	6	6	
PISO 2	B39	254	ENVE DISEÑO Max	6	0	
PISO 2	B39	254	ENVE DISEÑO Max	7.4	1.4	
PISO 2	B39	254	ENVE DISEÑO Min	0	0	
PISO 2	B39	254	ENVE DISEÑO Min	2.4667	2.4667	
PISO 2	B39	254	ENVE DISEÑO Min	4.9333	4.9333	
PISO 2	B39	254	ENVE DISEÑO Min	6	6	
PISO 2	B39	254	ENVE DISEÑO Min	6	0	
PISO 2	B39	254	ENVE DISEÑO Min	7.4	1.4	
PISO 2	B40	255	ENVE DISEÑO Max	0	0	
PISO 2	B40	255	ENVE DISEÑO Max	0.5333	0.5333	
PISO 2	B40	255	ENVE DISEÑO Max	1.0667	1.0667	
PISO 2	B40	255	ENVE DISEÑO Max	1.6	1.6	
PISO 2	B40	255	ENVE DISEÑO Min	0	0	
PISO 2	B40	255	ENVE DISEÑO Min	0.5333	0.5333	
PISO 2	B40	255	ENVE DISEÑO Min	1.0667	1.0667	
PISO 2	B40	255	ENVE DISEÑO Min	1.6	1.6	
PISO 2	B41	256	ENVE DISEÑO Max	0	0	
PISO 2	B41	256	ENVE DISEÑO Max	0.1333	0.1333	
PISO 2	B41	256	ENVE DISEÑO Max	0.2667	0.2667	
PISO 2	B41	256	ENVE DISEÑO Max	0.4	0.4	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B41	256	ENVE DISEÑO Min	0	0	
PISO 2	B41	256	ENVE DISEÑO Min	0.1333	0.1333	
PISO 2	B41	256	ENVE DISEÑO Min	0.2667	0.2667	
PISO 2	B41	256	ENVE DISEÑO Min	0.4	0.4	
PISO 2	B46	261	ENVE DISEÑO Max	0	0	
PISO 2	B46	261	ENVE DISEÑO Max	0.1333	0.1333	
PISO 2	B46	261	ENVE DISEÑO Max	0.2667	0.2667	
PISO 2	B46	261	ENVE DISEÑO Max	0.4	0.4	
PISO 2	B46	261	ENVE DISEÑO Min	0	0	
PISO 2	B46	261	ENVE DISEÑO Min	0.1333	0.1333	
PISO 2	B46	261	ENVE DISEÑO Min	0.2667	0.2667	
PISO 2	B46	261	ENVE DISEÑO Min	0.4	0.4	
PISO 2	B49	264	ENVE DISEÑO Max	0.25	0.25	
PISO 2	B49	264	ENVE DISEÑO Max	1.1667	1.1667	
PISO 2	B49	264	ENVE DISEÑO Max	2.0833	2.0833	
PISO 2	B49	264	ENVE DISEÑO Max	3	3	
PISO 2	B49	264	ENVE DISEÑO Min	0.25	0.25	
PISO 2	B49	264	ENVE DISEÑO Min	1.1667	1.1667	
PISO 2	B49	264	ENVE DISEÑO Min	2.0833	2.0833	
PISO 2	B49	264	ENVE DISEÑO Min	3	3	
PISO 2	B23	265	ENVE DISEÑO Max	0	0	
PISO 2	B23	265	ENVE DISEÑO Max	0.1417	0.1417	
PISO 2	B23	265	ENVE DISEÑO Max	0.2833	0.2833	
PISO 2	B23	265	ENVE DISEÑO Max	0.425	0.425	
PISO 2	B23	265	ENVE DISEÑO Min	0	0	
PISO 2	B23	265	ENVE DISEÑO Min	0.1417	0.1417	
PISO 2	B23	265	ENVE DISEÑO Min	0.2833	0.2833	
PISO 2	B23	265	ENVE DISEÑO Min	0.425	0.425	
PISO 2	B53	269	ENVE DISEÑO Max	0	0	
PISO 2	B53	269	ENVE DISEÑO Max	0.8167	0.8167	
PISO 2	B53	269	ENVE DISEÑO Max	1.6333	1.6333	
PISO 2	B53	269	ENVE DISEÑO Max	2.45	2.45	
PISO 2	B53	269	ENVE DISEÑO Min	0	0	
PISO 2	B53	269	ENVE DISEÑO Min	0.8167	0.8167	
PISO 2	B53	269	ENVE DISEÑO Min	1.6333	1.6333	
PISO 2	B53	269	ENVE DISEÑO Min	2.45	2.45	
PISO 2	B54	270	ENVE DISEÑO Max	0	0	
PISO 2	B54	270	ENVE DISEÑO Max	2.7833	2.7833	
PISO 2	B54	270	ENVE DISEÑO Max	5.5667	5.5667	
PISO 2	B54	270	ENVE DISEÑO Max	8.35	8.35	
PISO 2	B54	270	ENVE DISEÑO Min	0	0	
PISO 2	B54	270	ENVE DISEÑO Min	2.7833	2.7833	
PISO 2	B54	270	ENVE DISEÑO Min	5.5667	5.5667	
PISO 2	B54	270	ENVE DISEÑO Min	8.35	8.35	
PISO 2	B55	271	ENVE DISEÑO Max	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B55	271	ENVE DISEÑO Max	1.8	1.8	
PISO 2	B55	271	ENVE DISEÑO Max	3.6	3.6	
PISO 2	B55	271	ENVE DISEÑO Max	5.4	5.4	
PISO 2	B55	271	ENVE DISEÑO Min	0	0	
PISO 2	B55	271	ENVE DISEÑO Min	1.8	1.8	
PISO 2	B55	271	ENVE DISEÑO Min	3.6	3.6	
PISO 2	B55	271	ENVE DISEÑO Min	5.4	5.4	
PISO 2	B57	273	ENVE DISEÑO Max	0	0	
PISO 2	B57	273	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B57	273	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B57	273	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B57	273	ENVE DISEÑO Min	0	0	
PISO 2	B57	273	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B57	273	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B57	273	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B67	283	ENVE DISEÑO Max	0	0	
PISO 2	B67	283	ENVE DISEÑO Max	0.75	0.75	
PISO 2	B67	283	ENVE DISEÑO Max	1.5	1.5	
PISO 2	B67	283	ENVE DISEÑO Max	2.25	2.25	
PISO 2	B67	283	ENVE DISEÑO Min	0	0	
PISO 2	B67	283	ENVE DISEÑO Min	0.75	0.75	
PISO 2	B67	283	ENVE DISEÑO Min	1.5	1.5	
PISO 2	B67	283	ENVE DISEÑO Min	2.25	2.25	
PISO 2	B68	284	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B68	284	ENVE DISEÑO Max	2.9167	2.9167	
PISO 2	B68	284	ENVE DISEÑO Max	5.6333	5.6333	
PISO 2	B68	284	ENVE DISEÑO Max	8.35	8.35	
PISO 2	B68	284	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B68	284	ENVE DISEÑO Min	2.9167	2.9167	
PISO 2	B68	284	ENVE DISEÑO Min	5.6333	5.6333	
PISO 2	B68	284	ENVE DISEÑO Min	8.35	8.35	
PISO 2	B70	285	ENVE DISEÑO Max	0	0	
PISO 2	B70	285	ENVE DISEÑO Max	1.8	1.8	
PISO 2	B70	285	ENVE DISEÑO Max	2.45	2.45	
PISO 2	B70	285	ENVE DISEÑO Max	2.45	0	
PISO 2	B70	285	ENVE DISEÑO Max	3.6	1.15	
PISO 2	B70	285	ENVE DISEÑO Max	5.4	2.95	
PISO 2	B70	285	ENVE DISEÑO Min	0	0	
PISO 2	B70	285	ENVE DISEÑO Min	1.8	1.8	
PISO 2	B70	285	ENVE DISEÑO Min	2.45	2.45	
PISO 2	B70	285	ENVE DISEÑO Min	2.45	0	
PISO 2	B70	285	ENVE DISEÑO Min	3.6	1.15	
PISO 2	B70	285	ENVE DISEÑO Min	5.4	2.95	
PISO 2	B71	286	ENVE DISEÑO Max	0	0	
PISO 2	B71	286	ENVE DISEÑO Max	0.95	0.95	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B71	286	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B71	286	ENVE DISEÑO Max	2.85	2.85	
PISO 2	B71	286	ENVE DISEÑO Min	0	0	
PISO 2	B71	286	ENVE DISEÑO Min	0.95	0.95	
PISO 2	B71	286	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B71	286	ENVE DISEÑO Min	2.85	2.85	
PISO 2	B81	240	ENVE DISEÑO Max	0.25	0.25	
PISO 2	B81	240	ENVE DISEÑO Max	1.1667	1.1667	
PISO 2	B81	240	ENVE DISEÑO Max	1.4	1.4	
PISO 2	B81	240	ENVE DISEÑO Max	1.4	0	
PISO 2	B81	240	ENVE DISEÑO Max	2.0833	0.6833	
PISO 2	B81	240	ENVE DISEÑO Max	3	1.6	
PISO 2	B81	240	ENVE DISEÑO Min	0.25	0.25	
PISO 2	B81	240	ENVE DISEÑO Min	1.1667	1.1667	
PISO 2	B81	240	ENVE DISEÑO Min	1.4	1.4	
PISO 2	B81	240	ENVE DISEÑO Min	1.4	0	
PISO 2	B81	240	ENVE DISEÑO Min	2.0833	0.6833	
PISO 2	B81	240	ENVE DISEÑO Min	3	1.6	
PISO 2	B92	293	ENVE DISEÑO Max	0	0	
PISO 2	B92	293	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B92	293	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B92	293	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B92	293	ENVE DISEÑO Min	0	0	
PISO 2	B92	293	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B92	293	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B92	293	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B1	202	ENVE DISEÑO Max	0	0	
PISO 2	B1	202	ENVE DISEÑO Max	0.8833	0.8833	
PISO 2	B1	202	ENVE DISEÑO Max	1.7667	1.7667	
PISO 2	B1	202	ENVE DISEÑO Max	2.65	2.65	
PISO 2	B1	202	ENVE DISEÑO Min	0	0	
PISO 2	B1	202	ENVE DISEÑO Min	0.8833	0.8833	
PISO 2	B1	202	ENVE DISEÑO Min	1.7667	1.7667	
PISO 2	B1	202	ENVE DISEÑO Min	2.65	2.65	
PISO 2	B12	203	ENVE DISEÑO Max	0	0	
PISO 2	B12	203	ENVE DISEÑO Max	0.6833	0.6833	
PISO 2	B12	203	ENVE DISEÑO Max	1.3667	1.3667	
PISO 2	B12	203	ENVE DISEÑO Max	2.05	2.05	
PISO 2	B12	203	ENVE DISEÑO Min	0	0	
PISO 2	B12	203	ENVE DISEÑO Min	0.6833	0.6833	
PISO 2	B12	203	ENVE DISEÑO Min	1.3667	1.3667	
PISO 2	B12	203	ENVE DISEÑO Min	2.05	2.05	
PISO 2	B25	217	ENVE DISEÑO Max	0	0	
PISO 2	B25	217	ENVE DISEÑO Max	0.6333	0.6333	
PISO 2	B25	217	ENVE DISEÑO Max	1.2667	1.2667	



Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B25	217	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B25	217	ENVE DISEÑO Min	0	0	
PISO 2	B25	217	ENVE DISEÑO Min	0.6333	0.6333	
PISO 2	B25	217	ENVE DISEÑO Min	1.2667	1.2667	
PISO 2	B25	217	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B52	223	ENVE DISEÑO Max	0	0	
PISO 2	B52	223	ENVE DISEÑO Max	0.05	0.05	
PISO 2	B52	223	ENVE DISEÑO Max	0.05	0	
PISO 2	B52	223	ENVE DISEÑO Max	0.6167	0.5667	
PISO 2	B52	223	ENVE DISEÑO Max	1.2333	1.1833	
PISO 2	B52	223	ENVE DISEÑO Max	1.85	1.8	
PISO 2	B52	223	ENVE DISEÑO Min	0	0	
PISO 2	B52	223	ENVE DISEÑO Min	0.05	0.05	
PISO 2	B52	223	ENVE DISEÑO Min	0.05	0	
PISO 2	B52	223	ENVE DISEÑO Min	0.6167	0.5667	
PISO 2	B52	223	ENVE DISEÑO Min	1.2333	1.1833	
PISO 2	B52	223	ENVE DISEÑO Min	1.85	1.8	
PISO 2	B63	224	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B63	224	ENVE DISEÑO Max	0.7667	0.7667	
PISO 2	B63	224	ENVE DISEÑO Max	1.3333	1.3333	
PISO 2	B63	224	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B63	224	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B63	224	ENVE DISEÑO Min	0.7667	0.7667	
PISO 2	B63	224	ENVE DISEÑO Min	1.3333	1.3333	
PISO 2	B63	224	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B64	225	ENVE DISEÑO Max	0	0	
PISO 2	B64	225	ENVE DISEÑO Max	0.95	0.95	
PISO 2	B64	225	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B64	225	ENVE DISEÑO Max	2.85	2.85	
PISO 2	B64	225	ENVE DISEÑO Min	0	0	
PISO 2	B64	225	ENVE DISEÑO Min	0.95	0.95	
PISO 2	B64	225	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B64	225	ENVE DISEÑO Min	2.85	2.85	
PISO 2	B65	309	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B65	309	ENVE DISEÑO Max	2	2	
PISO 2	B65	309	ENVE DISEÑO Max	3.8	3.8	
PISO 2	B65	309	ENVE DISEÑO Max	5.6	5.6	
PISO 2	B65	309	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B65	309	ENVE DISEÑO Min	2	2	
PISO 2	B65	309	ENVE DISEÑO Min	3.8	3.8	
PISO 2	B65	309	ENVE DISEÑO Min	5.6	5.6	
PISO 2	B66	297	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B66	297	ENVE DISEÑO Max	2	2	
PISO 2	B66	297	ENVE DISEÑO Max	3.8	3.8	
PISO 2	B66	297	ENVE DISEÑO Max	5.6	5.6	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B66	297	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B66	297	ENVE DISEÑO Min	2	2	
PISO 2	B66	297	ENVE DISEÑO Min	3.8	3.8	
PISO 2	B66	297	ENVE DISEÑO Min	5.6	5.6	
PISO 2	B73	303	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B73	303	ENVE DISEÑO Max	2	2	
PISO 2	B73	303	ENVE DISEÑO Max	3.8	3.8	
PISO 2	B73	303	ENVE DISEÑO Max	5.6	5.6	
PISO 2	B73	303	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B73	303	ENVE DISEÑO Min	2	2	
PISO 2	B73	303	ENVE DISEÑO Min	3.8	3.8	
PISO 2	B73	303	ENVE DISEÑO Min	5.6	5.6	
PISO 2	B91	305	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B91	305	ENVE DISEÑO Max	2	2	
PISO 2	B91	305	ENVE DISEÑO Max	3.8	3.8	
PISO 2	B91	305	ENVE DISEÑO Max	5.6	5.6	
PISO 2	B91	305	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B91	305	ENVE DISEÑO Min	2	2	
PISO 2	B91	305	ENVE DISEÑO Min	3.8	3.8	
PISO 2	B91	305	ENVE DISEÑO Min	5.6	5.6	
PISO 2	B99	49	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B99	49	ENVE DISEÑO Max	0.7667	0.7667	
PISO 2	B99	49	ENVE DISEÑO Max	1.3333	1.3333	
PISO 2	B99	49	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B99	49	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B99	49	ENVE DISEÑO Min	0.7667	0.7667	
PISO 2	B99	49	ENVE DISEÑO Min	1.3333	1.3333	
PISO 2	B99	49	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B101	50	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B101	50	ENVE DISEÑO Max	0.7667	0.7667	
PISO 2	B101	50	ENVE DISEÑO Max	1.3333	1.3333	
PISO 2	B101	50	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B101	50	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B101	50	ENVE DISEÑO Min	0.7667	0.7667	
PISO 2	B101	50	ENVE DISEÑO Min	1.3333	1.3333	
PISO 2	B101	50	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B103	51	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B103	51	ENVE DISEÑO Max	0.7667	0.7667	
PISO 2	B103	51	ENVE DISEÑO Max	1.3333	1.3333	
PISO 2	B103	51	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B103	51	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B103	51	ENVE DISEÑO Min	0.7667	0.7667	
PISO 2	B103	51	ENVE DISEÑO Min	1.3333	1.3333	
PISO 2	B103	51	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B104	17	ENVE DISEÑO Max	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B104	17	ENVE DISEÑO Max	0.05	0.05	
PISO 2	B104	17	ENVE DISEÑO Max	0.05	0	
PISO 2	B104	17	ENVE DISEÑO Max	0.6167	0.5667	
PISO 2	B104	17	ENVE DISEÑO Max	1.2333	1.1833	
PISO 2	B104	17	ENVE DISEÑO Max	1.85	1.8	
PISO 2	B104	17	ENVE DISEÑO Min	0	0	
PISO 2	B104	17	ENVE DISEÑO Min	0.05	0.05	
PISO 2	B104	17	ENVE DISEÑO Min	0.05	0	
PISO 2	B104	17	ENVE DISEÑO Min	0.6167	0.5667	
PISO 2	B104	17	ENVE DISEÑO Min	1.2333	1.1833	
PISO 2	B104	17	ENVE DISEÑO Min	1.85	1.8	
PISO 2	B105	18	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B105	18	ENVE DISEÑO Max	0.7667	0.7667	
PISO 2	B105	18	ENVE DISEÑO Max	1.3333	1.3333	
PISO 2	B105	18	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B105	18	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B105	18	ENVE DISEÑO Min	0.7667	0.7667	
PISO 2	B105	18	ENVE DISEÑO Min	1.3333	1.3333	
PISO 2	B105	18	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B106	324	ENVE DISEÑO Max	0	0	
PISO 2	B106	324	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B106	324	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B106	324	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B106	324	ENVE DISEÑO Min	0	0	
PISO 2	B106	324	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B106	324	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B106	324	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B107	329	ENVE DISEÑO Max	0	0	
PISO 2	B107	329	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B107	329	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B107	329	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B107	329	ENVE DISEÑO Min	0	0	
PISO 2	B107	329	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B107	329	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B107	329	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B108	331	ENVE DISEÑO Max	0	0	
PISO 2	B108	331	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B108	331	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B108	331	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B108	331	ENVE DISEÑO Min	0	0	
PISO 2	B108	331	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B108	331	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B108	331	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B109	336	ENVE DISEÑO Max	0	0	
PISO 2	B109	336	ENVE DISEÑO Max	1.9333	1.9333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B109	336	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B109	336	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B109	336	ENVE DISEÑO Min	0	0	
PISO 2	B109	336	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B109	336	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B109	336	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B113	35	ENVE DISEÑO Max	0	0	
PISO 2	B113	35	ENVE DISEÑO Max	0.05	0.05	
PISO 2	B113	35	ENVE DISEÑO Max	0.05	0	
PISO 2	B113	35	ENVE DISEÑO Max	0.6833	0.6333	
PISO 2	B113	35	ENVE DISEÑO Max	1.3667	1.3167	
PISO 2	B113	35	ENVE DISEÑO Max	2.05	2	
PISO 2	B113	35	ENVE DISEÑO Min	0	0	
PISO 2	B113	35	ENVE DISEÑO Min	0.05	0.05	
PISO 2	B113	35	ENVE DISEÑO Min	0.05	0	
PISO 2	B113	35	ENVE DISEÑO Min	0.6833	0.6333	
PISO 2	B113	35	ENVE DISEÑO Min	1.3667	1.3167	
PISO 2	B113	35	ENVE DISEÑO Min	2.05	2	
PISO 2	B114	36	ENVE DISEÑO Max	0	0	
PISO 2	B114	36	ENVE DISEÑO Max	0.6333	0.6333	
PISO 2	B114	36	ENVE DISEÑO Max	1.2667	1.2667	
PISO 2	B114	36	ENVE DISEÑO Max	1.9	1.9	
PISO 2	B114	36	ENVE DISEÑO Min	0	0	
PISO 2	B114	36	ENVE DISEÑO Min	0.6333	0.6333	
PISO 2	B114	36	ENVE DISEÑO Min	1.2667	1.2667	
PISO 2	B114	36	ENVE DISEÑO Min	1.9	1.9	
PISO 2	B115	47	ENVE DISEÑO Max	0	0	
PISO 2	B115	47	ENVE DISEÑO Max	0.6667	0.6667	
PISO 2	B115	47	ENVE DISEÑO Max	1.3333	1.3333	
PISO 2	B115	47	ENVE DISEÑO Max	2	2	
PISO 2	B115	47	ENVE DISEÑO Min	0	0	
PISO 2	B115	47	ENVE DISEÑO Min	0.6667	0.6667	
PISO 2	B115	47	ENVE DISEÑO Min	1.3333	1.3333	
PISO 2	B115	47	ENVE DISEÑO Min	2	2	
PISO 2	B116	48	ENVE DISEÑO Max	0.2	0.2	
PISO 2	B116	48	ENVE DISEÑO Max	0.8	0.8	
PISO 2	B116	48	ENVE DISEÑO Max	1.4	1.4	
PISO 2	B116	48	ENVE DISEÑO Max	2	2	
PISO 2	B116	48	ENVE DISEÑO Min	0.2	0.2	
PISO 2	B116	48	ENVE DISEÑO Min	0.8	0.8	
PISO 2	B116	48	ENVE DISEÑO Min	1.4	1.4	
PISO 2	B116	48	ENVE DISEÑO Min	2	2	
PISO 2	B117	356	ENVE DISEÑO Max	0	0	
PISO 2	B117	356	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B117	356	ENVE DISEÑO Max	3.8667	3.8667	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B117	356	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B117	356	ENVE DISEÑO Min	0	0	
PISO 2	B117	356	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B117	356	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B117	356	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B118	357	ENVE DISEÑO Max	0	0	
PISO 2	B118	357	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B118	357	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B118	357	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B118	357	ENVE DISEÑO Min	0	0	
PISO 2	B118	357	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B118	357	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B118	357	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B119	358	ENVE DISEÑO Max	0	0	
PISO 2	B119	358	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B119	358	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B119	358	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B119	358	ENVE DISEÑO Min	0	0	
PISO 2	B119	358	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B119	358	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B119	358	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B120	359	ENVE DISEÑO Max	0	0	
PISO 2	B120	359	ENVE DISEÑO Max	1.9333	1.9333	
PISO 2	B120	359	ENVE DISEÑO Max	3.8667	3.8667	
PISO 2	B120	359	ENVE DISEÑO Max	5.8	5.8	
PISO 2	B120	359	ENVE DISEÑO Min	0	0	
PISO 2	B120	359	ENVE DISEÑO Min	1.9333	1.9333	
PISO 2	B120	359	ENVE DISEÑO Min	3.8667	3.8667	
PISO 2	B120	359	ENVE DISEÑO Min	5.8	5.8	
PISO 2	B121	360	ENVE DISEÑO Max	0	0	
PISO 2	B121	360	ENVE DISEÑO Max	0.6667	0.6667	
PISO 2	B121	360	ENVE DISEÑO Max	1.3333	1.3333	
PISO 2	B121	360	ENVE DISEÑO Max	2	2	
PISO 2	B121	360	ENVE DISEÑO Min	0	0	
PISO 2	B121	360	ENVE DISEÑO Min	0.6667	0.6667	
PISO 2	B121	360	ENVE DISEÑO Min	1.3333	1.3333	
PISO 2	B121	360	ENVE DISEÑO Min	2	2	
PISO 2	B122	361	ENVE DISEÑO Max	0	0	
PISO 2	B122	361	ENVE DISEÑO Max	0.6	0.6	
PISO 2	B122	361	ENVE DISEÑO Max	1.2	1.2	
PISO 2	B122	361	ENVE DISEÑO Max	1.8	1.8	
PISO 2	B122	361	ENVE DISEÑO Min	0	0	
PISO 2	B122	361	ENVE DISEÑO Min	0.6	0.6	
PISO 2	B122	361	ENVE DISEÑO Min	1.2	1.2	
PISO 2	B122	361	ENVE DISEÑO Min	1.8	1.8	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B123	362	ENVE DISEÑO Max	0	0	
PISO 2	B123	362	ENVE DISEÑO Max	0.6	0.6	
PISO 2	B123	362	ENVE DISEÑO Max	1.2	1.2	
PISO 2	B123	362	ENVE DISEÑO Max	1.8	1.8	
PISO 2	B123	362	ENVE DISEÑO Min	0	0	
PISO 2	B123	362	ENVE DISEÑO Min	0.6	0.6	
PISO 2	B123	362	ENVE DISEÑO Min	1.2	1.2	
PISO 2	B123	362	ENVE DISEÑO Min	1.8	1.8	
PISO 2	B124	363	ENVE DISEÑO Max	0	0	
PISO 2	B124	363	ENVE DISEÑO Max	0.6	0.6	
PISO 2	B124	363	ENVE DISEÑO Max	1.2	1.2	
PISO 2	B124	363	ENVE DISEÑO Max	1.8	1.8	
PISO 2	B124	363	ENVE DISEÑO Min	0	0	
PISO 2	B124	363	ENVE DISEÑO Min	0.6	0.6	
PISO 2	B124	363	ENVE DISEÑO Min	1.2	1.2	
PISO 2	B124	363	ENVE DISEÑO Min	1.8	1.8	
PISO 2	B129	364	ENVE DISEÑO Max	0	0	
PISO 2	B129	364	ENVE DISEÑO Max	0.0167	0.0167	
PISO 2	B129	364	ENVE DISEÑO Max	0.0333	0.0333	
PISO 2	B129	364	ENVE DISEÑO Max	0.05	0.05	
PISO 2	B129	364	ENVE DISEÑO Min	0	0	
PISO 2	B129	364	ENVE DISEÑO Min	0.0167	0.0167	
PISO 2	B129	364	ENVE DISEÑO Min	0.0333	0.0333	
PISO 2	B129	364	ENVE DISEÑO Min	0.05	0.05	
PISO 2	B36	484	ENVE DISEÑO Max	0	0	
PISO 2	B36	484	ENVE DISEÑO Max	1.8833	1.8833	
PISO 2	B36	484	ENVE DISEÑO Max	3.7667	3.7667	
PISO 2	B36	484	ENVE DISEÑO Max	5.65	5.65	
PISO 2	B36	484	ENVE DISEÑO Min	0	0	
PISO 2	B36	484	ENVE DISEÑO Min	1.8833	1.8833	
PISO 2	B36	484	ENVE DISEÑO Min	3.7667	3.7667	
PISO 2	B36	484	ENVE DISEÑO Min	5.65	5.65	
PISO 2	B61	485	ENVE DISEÑO Max	0	0	
PISO 2	B61	485	ENVE DISEÑO Max	0.4667	0.4667	
PISO 2	B61	485	ENVE DISEÑO Max	0.9333	0.9333	
PISO 2	B61	485	ENVE DISEÑO Max	1.4	1.4	
PISO 2	B61	485	ENVE DISEÑO Min	0	0	
PISO 2	B61	485	ENVE DISEÑO Min	0.4667	0.4667	
PISO 2	B61	485	ENVE DISEÑO Min	0.9333	0.9333	
PISO 2	B61	485	ENVE DISEÑO Min	1.4	1.4	
PISO 2	B62	486	ENVE DISEÑO Max	0	0	
PISO 2	B62	486	ENVE DISEÑO Max	0.4833	0.4833	
PISO 2	B62	486	ENVE DISEÑO Max	0.9667	0.9667	
PISO 2	B62	486	ENVE DISEÑO Max	1.45	1.45	
PISO 2	B62	486	ENVE DISEÑO Min	0	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B62	486	ENVE DISEÑO Min	0.4833	0.4833	
PISO 2	B62	486	ENVE DISEÑO Min	0.9667	0.9667	
PISO 2	B62	486	ENVE DISEÑO Min	1.45	1.45	
PISO 2	B76	487	ENVE DISEÑO Max	0	0	
PISO 2	B76	487	ENVE DISEÑO Max	0.9333	0.9333	
PISO 2	B76	487	ENVE DISEÑO Max	1.8667	1.8667	
PISO 2	B76	487	ENVE DISEÑO Max	2.8	2.8	
PISO 2	B76	487	ENVE DISEÑO Min	0	0	
PISO 2	B76	487	ENVE DISEÑO Min	0.9333	0.9333	
PISO 2	B76	487	ENVE DISEÑO Min	1.8667	1.8667	
PISO 2	B76	487	ENVE DISEÑO Min	2.8	2.8	
PISO 2	B85	489	ENVE DISEÑO Max	0	0	
PISO 2	B85	489	ENVE DISEÑO Max	0.4833	0.4833	
PISO 2	B85	489	ENVE DISEÑO Max	0.9667	0.9667	
PISO 2	B85	489	ENVE DISEÑO Max	1.45	1.45	
PISO 2	B85	489	ENVE DISEÑO Min	0	0	
PISO 2	B85	489	ENVE DISEÑO Min	0.4833	0.4833	
PISO 2	B85	489	ENVE DISEÑO Min	0.9667	0.9667	
PISO 2	B85	489	ENVE DISEÑO Min	1.45	1.45	
PISO 2	B89	490	ENVE DISEÑO Max	0.275	0.275	
PISO 2	B89	490	ENVE DISEÑO Max	0.65	0.65	
PISO 2	B89	490	ENVE DISEÑO Max	1.025	1.025	
PISO 2	B89	490	ENVE DISEÑO Max	1.4	1.4	
PISO 2	B89	490	ENVE DISEÑO Min	0.275	0.275	
PISO 2	B89	490	ENVE DISEÑO Min	0.65	0.65	
PISO 2	B89	490	ENVE DISEÑO Min	1.025	1.025	
PISO 2	B89	490	ENVE DISEÑO Min	1.4	1.4	
PISO 2	B125	491	ENVE DISEÑO Max	0	0	
PISO 2	B125	491	ENVE DISEÑO Max	0.4167	0.4167	
PISO 2	B125	491	ENVE DISEÑO Max	0.8333	0.8333	
PISO 2	B125	491	ENVE DISEÑO Max	1.25	1.25	
PISO 2	B125	491	ENVE DISEÑO Min	0	0	
PISO 2	B125	491	ENVE DISEÑO Min	0.4167	0.4167	
PISO 2	B125	491	ENVE DISEÑO Min	0.8333	0.8333	
PISO 2	B125	491	ENVE DISEÑO Min	1.25	1.25	
PISO 2	B127	492	ENVE DISEÑO Max	0	0	
PISO 2	B127	492	ENVE DISEÑO Max	0.4667	0.4667	
PISO 2	B127	492	ENVE DISEÑO Max	0.9333	0.9333	
PISO 2	B127	492	ENVE DISEÑO Max	1.4	1.4	
PISO 2	B127	492	ENVE DISEÑO Min	0	0	
PISO 2	B127	492	ENVE DISEÑO Min	0.4667	0.4667	
PISO 2	B127	492	ENVE DISEÑO Min	0.9333	0.9333	
PISO 2	B127	492	ENVE DISEÑO Min	1.4	1.4	
PISO 2	B131	493	ENVE DISEÑO Max	0	0	
PISO 2	B131	493	ENVE DISEÑO Max	0.4833	0.4833	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B131	493	ENVE DISEÑO Max	0.9667	0.9667	
PISO 2	B131	493	ENVE DISEÑO Max	1.45	1.45	
PISO 2	B131	493	ENVE DISEÑO Min	0	0	
PISO 2	B131	493	ENVE DISEÑO Min	0.4833	0.4833	
PISO 2	B131	493	ENVE DISEÑO Min	0.9667	0.9667	
PISO 2	B131	493	ENVE DISEÑO Min	1.45	1.45	
PISO 2	B134	494	ENVE DISEÑO Max	0	0	
PISO 2	B134	494	ENVE DISEÑO Max	0.9333	0.9333	
PISO 2	B134	494	ENVE DISEÑO Max	1.8667	1.8667	
PISO 2	B134	494	ENVE DISEÑO Max	2.8	2.8	
PISO 2	B134	494	ENVE DISEÑO Min	0	0	
PISO 2	B134	494	ENVE DISEÑO Min	0.9333	0.9333	
PISO 2	B134	494	ENVE DISEÑO Min	1.8667	1.8667	
PISO 2	B134	494	ENVE DISEÑO Min	2.8	2.8	
PISO 2	B135	495	ENVE DISEÑO Max	0	0	
PISO 2	B135	495	ENVE DISEÑO Max	0.2333	0.2333	
PISO 2	B135	495	ENVE DISEÑO Max	0.4667	0.4667	
PISO 2	B135	495	ENVE DISEÑO Max	0.7	0.7	
PISO 2	B135	495	ENVE DISEÑO Min	0	0	
PISO 2	B135	495	ENVE DISEÑO Min	0.2333	0.2333	
PISO 2	B135	495	ENVE DISEÑO Min	0.4667	0.4667	
PISO 2	B135	495	ENVE DISEÑO Min	0.7	0.7	
PISO 2	B141	496	ENVE DISEÑO Max	0	0	
PISO 2	B141	496	ENVE DISEÑO Max	1.1667	1.1667	
PISO 2	B141	496	ENVE DISEÑO Max	2.3333	2.3333	
PISO 2	B141	496	ENVE DISEÑO Max	3.5	3.5	
PISO 2	B141	496	ENVE DISEÑO Min	0	0	
PISO 2	B141	496	ENVE DISEÑO Min	1.1667	1.1667	
PISO 2	B141	496	ENVE DISEÑO Min	2.3333	2.3333	
PISO 2	B141	496	ENVE DISEÑO Min	3.5	3.5	
PISO 2	B79	257	ENVE DISEÑO Max	0.3	0.3	
PISO 2	B79	257	ENVE DISEÑO Max	3.1	3.1	
PISO 2	B79	257	ENVE DISEÑO Max	5.9	5.9	
PISO 2	B79	257	ENVE DISEÑO Max	5.9093	5.9093	
PISO 2	B79	257	ENVE DISEÑO Max	5.9093	0	
PISO 2	B79	257	ENVE DISEÑO Max	7.4	1.4907	
PISO 2	B79	257	ENVE DISEÑO Max	7.4	0	
PISO 2	B79	257	ENVE DISEÑO Max	8.7	1.3	
PISO 2	B79	257	ENVE DISEÑO Min	0.3	0.3	
PISO 2	B79	257	ENVE DISEÑO Min	3.1	3.1	
PISO 2	B79	257	ENVE DISEÑO Min	5.9	5.9	
PISO 2	B79	257	ENVE DISEÑO Min	5.9093	5.9093	
PISO 2	B79	257	ENVE DISEÑO Min	5.9093	0	
PISO 2	B79	257	ENVE DISEÑO Min	7.4	1.4907	
PISO 2	B79	257	ENVE DISEÑO Min	7.4	0	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B79	257	ENVE DISEÑO Min	8.7	1.3	
PISO 2	B28	263	ENVE DISEÑO Max	0	0	
PISO 2	B28	263	ENVE DISEÑO Max	1.1333	1.1333	
PISO 2	B28	263	ENVE DISEÑO Max	1.8	1.8	
PISO 2	B28	263	ENVE DISEÑO Max	1.8	0	
PISO 2	B28	263	ENVE DISEÑO Max	2.2667	0.4667	
PISO 2	B28	263	ENVE DISEÑO Max	3.4	1.6	
PISO 2	B28	263	ENVE DISEÑO Min	0	0	
PISO 2	B28	263	ENVE DISEÑO Min	1.1333	1.1333	
PISO 2	B28	263	ENVE DISEÑO Min	1.8	1.8	
PISO 2	B28	263	ENVE DISEÑO Min	1.8	0	
PISO 2	B28	263	ENVE DISEÑO Min	2.2667	0.4667	
PISO 2	B28	263	ENVE DISEÑO Min	3.4	1.6	
PISO 2	B31	267	ENVE DISEÑO Max	0	0	
PISO 2	B31	267	ENVE DISEÑO Max	1.1333	1.1333	
PISO 2	B31	267	ENVE DISEÑO Max	2.2667	2.2667	
PISO 2	B31	267	ENVE DISEÑO Max	3.4	3.4	
PISO 2	B31	267	ENVE DISEÑO Min	0	0	
PISO 2	B31	267	ENVE DISEÑO Min	1.1333	1.1333	
PISO 2	B31	267	ENVE DISEÑO Min	2.2667	2.2667	
PISO 2	B31	267	ENVE DISEÑO Min	3.4	3.4	
PISO 2	B34	262	ENVE DISEÑO Max	0.3	0.3	
PISO 2	B34	262	ENVE DISEÑO Max	2.0667	2.0667	
PISO 2	B34	262	ENVE DISEÑO Max	3.8333	3.8333	
PISO 2	B34	262	ENVE DISEÑO Max	5.6	5.6	
PISO 2	B34	262	ENVE DISEÑO Min	0.3	0.3	
PISO 2	B34	262	ENVE DISEÑO Min	2.0667	2.0667	
PISO 2	B34	262	ENVE DISEÑO Min	3.8333	3.8333	
PISO 2	B34	262	ENVE DISEÑO Min	5.6	5.6	
PISO 2	B37	266	ENVE DISEÑO Max	0.275	0.275	
PISO 2	B37	266	ENVE DISEÑO Max	2.05	2.05	
PISO 2	B37	266	ENVE DISEÑO Max	3.5	3.5	
PISO 2	B37	266	ENVE DISEÑO Max	3.5	0	
PISO 2	B37	266	ENVE DISEÑO Max	3.825	0.325	
PISO 2	B37	266	ENVE DISEÑO Max	5.6	2.1	
PISO 2	B37	266	ENVE DISEÑO Min	0.275	0.275	
PISO 2	B37	266	ENVE DISEÑO Min	2.05	2.05	
PISO 2	B37	266	ENVE DISEÑO Min	3.5	3.5	
PISO 2	B37	266	ENVE DISEÑO Min	3.5	0	
PISO 2	B37	266	ENVE DISEÑO Min	3.825	0.325	
PISO 2	B37	266	ENVE DISEÑO Min	5.6	2.1	
PISO 2	B69	63	ENVE DISEÑO Max	0	0	
PISO 2	B69	63	ENVE DISEÑO Max	0.8923	0.8923	
PISO 2	B69	63	ENVE DISEÑO Max	1.7846	1.7846	
PISO 2	B69	63	ENVE DISEÑO Max	2.677	2.677	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 2	B69	63	ENVE DISEÑO Min	0	0	
PISO 2	B69	63	ENVE DISEÑO Min	0.8923	0.8923	
PISO 2	B69	63	ENVE DISEÑO Min	1.7846	1.7846	
PISO 2	B69	63	ENVE DISEÑO Min	2.677	2.677	
PISO 2	B162	38	ENVE DISEÑO Max	0	0	
PISO 2	B162	38	ENVE DISEÑO Max	1.8	1.8	
PISO 2	B162	38	ENVE DISEÑO Max	2.45	2.45	
PISO 2	B162	38	ENVE DISEÑO Max	2.45	0	
PISO 2	B162	38	ENVE DISEÑO Max	3.6	1.15	
PISO 2	B162	38	ENVE DISEÑO Max	5.4	2.95	
PISO 2	B162	38	ENVE DISEÑO Min	0	0	
PISO 2	B162	38	ENVE DISEÑO Min	1.8	1.8	
PISO 2	B162	38	ENVE DISEÑO Min	2.45	2.45	
PISO 2	B162	38	ENVE DISEÑO Min	2.45	0	
PISO 2	B162	38	ENVE DISEÑO Min	3.6	1.15	
PISO 2	B162	38	ENVE DISEÑO Min	5.4	2.95	
PISO 1	B2	298	ENVE DISEÑO Max	0	0	
PISO 1	B2	298	ENVE DISEÑO Max	0.75	0.75	
PISO 1	B2	298	ENVE DISEÑO Max	1.5	1.5	
PISO 1	B2	298	ENVE DISEÑO Max	2.25	2.25	
PISO 1	B2	298	ENVE DISEÑO Min	0	0	
PISO 1	B2	298	ENVE DISEÑO Min	0.75	0.75	
PISO 1	B2	298	ENVE DISEÑO Min	1.5	1.5	
PISO 1	B2	298	ENVE DISEÑO Min	2.25	2.25	
PISO 1	B3	299	ENVE DISEÑO Max	0.2	0.2	
PISO 1	B3	299	ENVE DISEÑO Max	2.85	2.85	
PISO 1	B3	299	ENVE DISEÑO Max	5.5	5.5	
PISO 1	B3	299	ENVE DISEÑO Max	8.15	8.15	
PISO 1	B3	299	ENVE DISEÑO Min	0.2	0.2	
PISO 1	B3	299	ENVE DISEÑO Min	2.85	2.85	
PISO 1	B3	299	ENVE DISEÑO Min	5.5	5.5	
PISO 1	B3	299	ENVE DISEÑO Min	8.15	8.15	
PISO 1	B4	300	ENVE DISEÑO Max	0.2	0.2	
PISO 1	B4	300	ENVE DISEÑO Max	1.8417	1.8417	
PISO 1	B4	300	ENVE DISEÑO Max	3.4833	3.4833	
PISO 1	B4	300	ENVE DISEÑO Max	5.125	5.125	
PISO 1	B4	300	ENVE DISEÑO Min	0.2	0.2	
PISO 1	B4	300	ENVE DISEÑO Min	1.8417	1.8417	
PISO 1	B4	300	ENVE DISEÑO Min	3.4833	3.4833	
PISO 1	B4	300	ENVE DISEÑO Min	5.125	5.125	
PISO 1	B5	301	ENVE DISEÑO Max	0.275	0.275	
PISO 1	B5	301	ENVE DISEÑO Max	1.0667	1.0667	
PISO 1	B5	301	ENVE DISEÑO Max	1.8583	1.8583	
PISO 1	B5	301	ENVE DISEÑO Max	2.65	2.65	
PISO 1	B5	301	ENVE DISEÑO Min	0.275	0.275	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	B5	301	ENVE DISEÑO Min	1.0667	1.0667	
PISO 1	B5	301	ENVE DISEÑO Min	1.8583	1.8583	
PISO 1	B5	301	ENVE DISEÑO Min	2.65	2.65	
PISO 1	B14	497	ENVE DISEÑO Max	0.2	0.2	
PISO 1	B14	497	ENVE DISEÑO Max	2	2	
PISO 1	B14	497	ENVE DISEÑO Max	3.8	3.8	
PISO 1	B14	497	ENVE DISEÑO Max	5.6	5.6	
PISO 1	B14	497	ENVE DISEÑO Min	0.2	0.2	
PISO 1	B14	497	ENVE DISEÑO Min	2	2	
PISO 1	B14	497	ENVE DISEÑO Min	3.8	3.8	
PISO 1	B14	497	ENVE DISEÑO Min	5.6	5.6	
PISO 1	B20	20	ENVE DISEÑO Max	0.25	0.25	
PISO 1	B20	20	ENVE DISEÑO Max	2.0833	2.0833	
PISO 1	B20	20	ENVE DISEÑO Max	3.5	3.5	
PISO 1	B20	20	ENVE DISEÑO Max	3.5	0	
PISO 1	B20	20	ENVE DISEÑO Max	3.9167	0.4167	
PISO 1	B20	20	ENVE DISEÑO Max	5.75	2.25	
PISO 1	B20	20	ENVE DISEÑO Min	0.25	0.25	
PISO 1	B20	20	ENVE DISEÑO Min	2.0833	2.0833	
PISO 1	B20	20	ENVE DISEÑO Min	3.5	3.5	
PISO 1	B20	20	ENVE DISEÑO Min	3.5	0	
PISO 1	B20	20	ENVE DISEÑO Min	3.9167	0.4167	
PISO 1	B20	20	ENVE DISEÑO Min	5.75	2.25	
PISO 1	B22	10	ENVE DISEÑO Max	0	0	
PISO 1	B22	10	ENVE DISEÑO Max	0.15	0.15	
PISO 1	B22	10	ENVE DISEÑO Max	0.3	0.3	
PISO 1	B22	10	ENVE DISEÑO Max	0.45	0.45	
PISO 1	B22	10	ENVE DISEÑO Min	0	0	
PISO 1	B22	10	ENVE DISEÑO Min	0.15	0.15	
PISO 1	B22	10	ENVE DISEÑO Min	0.3	0.3	
PISO 1	B22	10	ENVE DISEÑO Min	0.45	0.45	
PISO 1	B38	302	ENVE DISEÑO Max	0	0	
PISO 1	B38	302	ENVE DISEÑO Max	0.2333	0.2333	
PISO 1	B38	302	ENVE DISEÑO Max	0.4667	0.4667	
PISO 1	B38	302	ENVE DISEÑO Max	0.7	0.7	
PISO 1	B38	302	ENVE DISEÑO Min	0	0	
PISO 1	B38	302	ENVE DISEÑO Min	0.2333	0.2333	
PISO 1	B38	302	ENVE DISEÑO Min	0.4667	0.4667	
PISO 1	B38	302	ENVE DISEÑO Min	0.7	0.7	
PISO 1	B41	304	ENVE DISEÑO Max	0	0	
PISO 1	B41	304	ENVE DISEÑO Max	0.1333	0.1333	
PISO 1	B41	304	ENVE DISEÑO Max	0.2667	0.2667	
PISO 1	B41	304	ENVE DISEÑO Max	0.4	0.4	
PISO 1	B41	304	ENVE DISEÑO Min	0	0	
PISO 1	B41	304	ENVE DISEÑO Min	0.1333	0.1333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	B41	304	ENVE DISEÑO Min	0.2667	0.2667	
PISO 1	B41	304	ENVE DISEÑO Min	0.4	0.4	
PISO 1	B46	306	ENVE DISEÑO Max	0	0	
PISO 1	B46	306	ENVE DISEÑO Max	0.1333	0.1333	
PISO 1	B46	306	ENVE DISEÑO Max	0.2667	0.2667	
PISO 1	B46	306	ENVE DISEÑO Max	0.4	0.4	
PISO 1	B46	306	ENVE DISEÑO Min	0	0	
PISO 1	B46	306	ENVE DISEÑO Min	0.1333	0.1333	
PISO 1	B46	306	ENVE DISEÑO Min	0.2667	0.2667	
PISO 1	B46	306	ENVE DISEÑO Min	0.4	0.4	
PISO 1	B49	22	ENVE DISEÑO Max	0.25	0.25	
PISO 1	B49	22	ENVE DISEÑO Max	1.1667	1.1667	
PISO 1	B49	22	ENVE DISEÑO Max	2.0833	2.0833	
PISO 1	B49	22	ENVE DISEÑO Max	3	3	
PISO 1	B49	22	ENVE DISEÑO Min	0.25	0.25	
PISO 1	B49	22	ENVE DISEÑO Min	1.1667	1.1667	
PISO 1	B49	22	ENVE DISEÑO Min	2.0833	2.0833	
PISO 1	B49	22	ENVE DISEÑO Min	3	3	
PISO 1	B23	308	ENVE DISEÑO Max	0	0	
PISO 1	B23	308	ENVE DISEÑO Max	0.1417	0.1417	
PISO 1	B23	308	ENVE DISEÑO Max	0.2833	0.2833	
PISO 1	B23	308	ENVE DISEÑO Max	0.425	0.425	
PISO 1	B23	308	ENVE DISEÑO Min	0	0	
PISO 1	B23	308	ENVE DISEÑO Min	0.1417	0.1417	
PISO 1	B23	308	ENVE DISEÑO Min	0.2833	0.2833	
PISO 1	B23	308	ENVE DISEÑO Min	0.425	0.425	
PISO 1	B53	311	ENVE DISEÑO Max	0	0	
PISO 1	B53	311	ENVE DISEÑO Max	0.8167	0.8167	
PISO 1	B53	311	ENVE DISEÑO Max	1.6333	1.6333	
PISO 1	B53	311	ENVE DISEÑO Max	2.45	2.45	
PISO 1	B53	311	ENVE DISEÑO Min	0	0	
PISO 1	B53	311	ENVE DISEÑO Min	0.8167	0.8167	
PISO 1	B53	311	ENVE DISEÑO Min	1.6333	1.6333	
PISO 1	B53	311	ENVE DISEÑO Min	2.45	2.45	
PISO 1	B54	312	ENVE DISEÑO Max	0	0	
PISO 1	B54	312	ENVE DISEÑO Max	2.7833	2.7833	
PISO 1	B54	312	ENVE DISEÑO Max	5.5667	5.5667	
PISO 1	B54	312	ENVE DISEÑO Max	8.35	8.35	
PISO 1	B54	312	ENVE DISEÑO Min	0	0	
PISO 1	B54	312	ENVE DISEÑO Min	2.7833	2.7833	
PISO 1	B54	312	ENVE DISEÑO Min	5.5667	5.5667	
PISO 1	B54	312	ENVE DISEÑO Min	8.35	8.35	
PISO 1	B55	313	ENVE DISEÑO Max	0	0	
PISO 1	B55	313	ENVE DISEÑO Max	1.8	1.8	
PISO 1	B55	313	ENVE DISEÑO Max	3.6	3.6	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	B55	313	ENVE DISEÑO Max	5.4	5.4	
PISO 1	B55	313	ENVE DISEÑO Min	0	0	
PISO 1	B55	313	ENVE DISEÑO Min	1.8	1.8	
PISO 1	B55	313	ENVE DISEÑO Min	3.6	3.6	
PISO 1	B55	313	ENVE DISEÑO Min	5.4	5.4	
PISO 1	B56	314	ENVE DISEÑO Max	0	0	
PISO 1	B56	314	ENVE DISEÑO Max	0.95	0.95	
PISO 1	B56	314	ENVE DISEÑO Max	1.9	1.9	
PISO 1	B56	314	ENVE DISEÑO Max	2.85	2.85	
PISO 1	B56	314	ENVE DISEÑO Min	0	0	
PISO 1	B56	314	ENVE DISEÑO Min	0.95	0.95	
PISO 1	B56	314	ENVE DISEÑO Min	1.9	1.9	
PISO 1	B56	314	ENVE DISEÑO Min	2.85	2.85	
PISO 1	B67	473	ENVE DISEÑO Max	0	0	
PISO 1	B67	473	ENVE DISEÑO Max	0.75	0.75	
PISO 1	B67	473	ENVE DISEÑO Max	1.5	1.5	
PISO 1	B67	473	ENVE DISEÑO Max	2.25	2.25	
PISO 1	B67	473	ENVE DISEÑO Min	0	0	
PISO 1	B67	473	ENVE DISEÑO Min	0.75	0.75	
PISO 1	B67	473	ENVE DISEÑO Min	1.5	1.5	
PISO 1	B67	473	ENVE DISEÑO Min	2.25	2.25	
PISO 1	B68	474	ENVE DISEÑO Max	0.2	0.2	
PISO 1	B68	474	ENVE DISEÑO Max	2.9167	2.9167	
PISO 1	B68	474	ENVE DISEÑO Max	5.6333	5.6333	
PISO 1	B68	474	ENVE DISEÑO Max	8.35	8.35	
PISO 1	B68	474	ENVE DISEÑO Min	0.2	0.2	
PISO 1	B68	474	ENVE DISEÑO Min	2.9167	2.9167	
PISO 1	B68	474	ENVE DISEÑO Min	5.6333	5.6333	
PISO 1	B68	474	ENVE DISEÑO Min	8.35	8.35	
PISO 1	B70	475	ENVE DISEÑO Max	0	0	
PISO 1	B70	475	ENVE DISEÑO Max	1.8	1.8	
PISO 1	B70	475	ENVE DISEÑO Max	2.45	2.45	
PISO 1	B70	475	ENVE DISEÑO Max	2.45	0	
PISO 1	B70	475	ENVE DISEÑO Max	3.6	1.15	
PISO 1	B70	475	ENVE DISEÑO Max	5.4	2.95	
PISO 1	B70	475	ENVE DISEÑO Min	0	0	
PISO 1	B70	475	ENVE DISEÑO Min	1.8	1.8	
PISO 1	B70	475	ENVE DISEÑO Min	2.45	2.45	
PISO 1	B70	475	ENVE DISEÑO Min	2.45	0	
PISO 1	B70	475	ENVE DISEÑO Min	3.6	1.15	
PISO 1	B70	475	ENVE DISEÑO Min	5.4	2.95	
PISO 1	B71	476	ENVE DISEÑO Max	0	0	
PISO 1	B71	476	ENVE DISEÑO Max	0.95	0.95	
PISO 1	B71	476	ENVE DISEÑO Max	1.9	1.9	
PISO 1	B71	476	ENVE DISEÑO Max	2.85	2.85	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	B71	476	ENVE DISEÑO Min	0	0	
PISO 1	B71	476	ENVE DISEÑO Min	0.95	0.95	
PISO 1	B71	476	ENVE DISEÑO Min	1.9	1.9	
PISO 1	B71	476	ENVE DISEÑO Min	2.85	2.85	
PISO 1	B81	498	ENVE DISEÑO Max	0.25	0.25	
PISO 1	B81	498	ENVE DISEÑO Max	1.1667	1.1667	
PISO 1	B81	498	ENVE DISEÑO Max	1.4	1.4	
PISO 1	B81	498	ENVE DISEÑO Max	1.4	0	
PISO 1	B81	498	ENVE DISEÑO Max	2.0833	0.6833	
PISO 1	B81	498	ENVE DISEÑO Max	3	1.6	
PISO 1	B81	498	ENVE DISEÑO Min	0.25	0.25	
PISO 1	B81	498	ENVE DISEÑO Min	1.1667	1.1667	
PISO 1	B81	498	ENVE DISEÑO Min	1.4	1.4	
PISO 1	B81	498	ENVE DISEÑO Min	1.4	0	
PISO 1	B81	498	ENVE DISEÑO Min	2.0833	0.6833	
PISO 1	B81	498	ENVE DISEÑO Min	3	1.6	
PISO 1	B92	477	ENVE DISEÑO Max	0	0	
PISO 1	B92	477	ENVE DISEÑO Max	1.9333	1.9333	
PISO 1	B92	477	ENVE DISEÑO Max	3.8667	3.8667	
PISO 1	B92	477	ENVE DISEÑO Max	5.8	5.8	
PISO 1	B92	477	ENVE DISEÑO Min	0	0	
PISO 1	B92	477	ENVE DISEÑO Min	1.9333	1.9333	
PISO 1	B92	477	ENVE DISEÑO Min	3.8667	3.8667	
PISO 1	B92	477	ENVE DISEÑO Min	5.8	5.8	
PISO 1	B90	328	ENVE DISEÑO Max	0	0	
PISO 1	B90	328	ENVE DISEÑO Max	1.1667	1.1667	
PISO 1	B90	328	ENVE DISEÑO Max	2.3333	2.3333	
PISO 1	B90	328	ENVE DISEÑO Max	3.5	3.5	
PISO 1	B90	328	ENVE DISEÑO Min	0	0	
PISO 1	B90	328	ENVE DISEÑO Min	1.1667	1.1667	
PISO 1	B90	328	ENVE DISEÑO Min	2.3333	2.3333	
PISO 1	B90	328	ENVE DISEÑO Min	3.5	3.5	
PISO 1	B93	330	ENVE DISEÑO Max	0.3	0.3	
PISO 1	B93	330	ENVE DISEÑO Max	1.3667	1.3667	
PISO 1	B93	330	ENVE DISEÑO Max	2.4333	2.4333	
PISO 1	B93	330	ENVE DISEÑO Max	3.5	3.5	
PISO 1	B93	330	ENVE DISEÑO Min	0.3	0.3	
PISO 1	B93	330	ENVE DISEÑO Min	1.3667	1.3667	
PISO 1	B93	330	ENVE DISEÑO Min	2.4333	2.4333	
PISO 1	B93	330	ENVE DISEÑO Min	3.5	3.5	
PISO 1	B95	332	ENVE DISEÑO Max	0.3	0.3	
PISO 1	B95	332	ENVE DISEÑO Max	1.3667	1.3667	
PISO 1	B95	332	ENVE DISEÑO Max	2.4333	2.4333	
PISO 1	B95	332	ENVE DISEÑO Max	3.5	3.5	
PISO 1	B95	332	ENVE DISEÑO Min	0.3	0.3	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	B95	332	ENVE DISEÑO Min	1.3667	1.3667	
PISO 1	B95	332	ENVE DISEÑO Min	2.4333	2.4333	
PISO 1	B95	332	ENVE DISEÑO Min	3.5	3.5	
PISO 1	B97	334	ENVE DISEÑO Max	0.275	0.275	
PISO 1	B97	334	ENVE DISEÑO Max	1.35	1.35	
PISO 1	B97	334	ENVE DISEÑO Max	2.425	2.425	
PISO 1	B97	334	ENVE DISEÑO Max	3.5	3.5	
PISO 1	B97	334	ENVE DISEÑO Min	0.275	0.275	
PISO 1	B97	334	ENVE DISEÑO Min	1.35	1.35	
PISO 1	B97	334	ENVE DISEÑO Min	2.425	2.425	
PISO 1	B97	334	ENVE DISEÑO Min	3.5	3.5	
PISO 1	B111	289	ENVE DISEÑO Max	0	0	
PISO 1	B111	289	ENVE DISEÑO Max	0.5333	0.5333	
PISO 1	B111	289	ENVE DISEÑO Max	1.0667	1.0667	
PISO 1	B111	289	ENVE DISEÑO Max	1.6	1.6	
PISO 1	B111	289	ENVE DISEÑO Min	0	0	
PISO 1	B111	289	ENVE DISEÑO Min	0.5333	0.5333	
PISO 1	B111	289	ENVE DISEÑO Min	1.0667	1.0667	
PISO 1	B111	289	ENVE DISEÑO Min	1.6	1.6	
PISO 1	B10	478	ENVE DISEÑO Max	0	0	
PISO 1	B10	478	ENVE DISEÑO Max	1.7333	1.7333	
PISO 1	B10	478	ENVE DISEÑO Max	2.1	2.1	
PISO 1	B10	478	ENVE DISEÑO Max	2.1	0	
PISO 1	B10	478	ENVE DISEÑO Max	3.4667	1.3667	
PISO 1	B10	478	ENVE DISEÑO Max	5.2	3.1	
PISO 1	B10	478	ENVE DISEÑO Min	0	0	
PISO 1	B10	478	ENVE DISEÑO Min	1.7333	1.7333	
PISO 1	B10	478	ENVE DISEÑO Min	2.1	2.1	
PISO 1	B10	478	ENVE DISEÑO Min	2.1	0	
PISO 1	B10	478	ENVE DISEÑO Min	3.4667	1.3667	
PISO 1	B10	478	ENVE DISEÑO Min	5.2	3.1	
PISO 1	B11	479	ENVE DISEÑO Max	0	0	
PISO 1	B11	479	ENVE DISEÑO Max	1.8333	1.8333	
PISO 1	B11	479	ENVE DISEÑO Max	2.1	2.1	
PISO 1	B11	479	ENVE DISEÑO Max	2.1	0	
PISO 1	B11	479	ENVE DISEÑO Max	3.6667	1.5667	
PISO 1	B11	479	ENVE DISEÑO Max	5.5	3.4	
PISO 1	B11	479	ENVE DISEÑO Min	0	0	
PISO 1	B11	479	ENVE DISEÑO Min	1.8333	1.8333	
PISO 1	B11	479	ENVE DISEÑO Min	2.1	2.1	
PISO 1	B11	479	ENVE DISEÑO Min	2.1	0	
PISO 1	B11	479	ENVE DISEÑO Min	3.6667	1.5667	
PISO 1	B11	479	ENVE DISEÑO Min	5.5	3.4	
PISO 1	B28	482	ENVE DISEÑO Max	0	0	
PISO 1	B28	482	ENVE DISEÑO Max	1.1333	1.1333	

Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	B28	482	ENVE DISEÑO Max	1.8	1.8	
PISO 1	B28	482	ENVE DISEÑO Max	1.8	0	
PISO 1	B28	482	ENVE DISEÑO Max	2.2667	0.4667	
PISO 1	B28	482	ENVE DISEÑO Max	3.4	1.6	
PISO 1	B28	482	ENVE DISEÑO Min	0	0	
PISO 1	B28	482	ENVE DISEÑO Min	1.1333	1.1333	
PISO 1	B28	482	ENVE DISEÑO Min	1.8	1.8	
PISO 1	B28	482	ENVE DISEÑO Min	1.8	0	
PISO 1	B28	482	ENVE DISEÑO Min	2.2667	0.4667	
PISO 1	B28	482	ENVE DISEÑO Min	3.4	1.6	
PISO 1	B43	325	ENVE DISEÑO Max	0	0	
PISO 1	B43	325	ENVE DISEÑO Max	0.8167	0.8167	
PISO 1	B43	325	ENVE DISEÑO Max	1.6333	1.6333	
PISO 1	B43	325	ENVE DISEÑO Max	2.45	2.45	
PISO 1	B43	325	ENVE DISEÑO Min	0	0	
PISO 1	B43	325	ENVE DISEÑO Min	0.8167	0.8167	
PISO 1	B43	325	ENVE DISEÑO Min	1.6333	1.6333	
PISO 1	B43	325	ENVE DISEÑO Min	2.45	2.45	
PISO 1	B44	326	ENVE DISEÑO Max	0	0	
PISO 1	B44	326	ENVE DISEÑO Max	0.9833	0.9833	
PISO 1	B44	326	ENVE DISEÑO Max	1.9667	1.9667	
PISO 1	B44	326	ENVE DISEÑO Max	2.95	2.95	
PISO 1	B44	326	ENVE DISEÑO Min	0	0	
PISO 1	B44	326	ENVE DISEÑO Min	0.9833	0.9833	
PISO 1	B44	326	ENVE DISEÑO Min	1.9667	1.9667	
PISO 1	B44	326	ENVE DISEÑO Min	2.95	2.95	
PISO 1	B69	327	ENVE DISEÑO Max	0	0	
PISO 1	B69	327	ENVE DISEÑO Max	0.8923	0.8923	
PISO 1	B69	327	ENVE DISEÑO Max	1.7846	1.7846	
PISO 1	B69	327	ENVE DISEÑO Max	2.677	2.677	
PISO 1	B69	327	ENVE DISEÑO Min	0	0	
PISO 1	B69	327	ENVE DISEÑO Min	0.8923	0.8923	
PISO 1	B69	327	ENVE DISEÑO Min	1.7846	1.7846	
PISO 1	B69	327	ENVE DISEÑO Min	2.677	2.677	
PISO 1	B72	333	ENVE DISEÑO Max	0	0	
PISO 1	B72	333	ENVE DISEÑO Max	0.7	0.7	
PISO 1	B72	333	ENVE DISEÑO Max	1.4	1.4	
PISO 1	B72	333	ENVE DISEÑO Max	2.1	2.1	
PISO 1	B72	333	ENVE DISEÑO Min	0	0	
PISO 1	B72	333	ENVE DISEÑO Min	0.7	0.7	
PISO 1	B72	333	ENVE DISEÑO Min	1.4	1.4	
PISO 1	B72	333	ENVE DISEÑO Min	2.1	2.1	
PISO 1	B112	335	ENVE DISEÑO Max	0	0	
PISO 1	B112	335	ENVE DISEÑO Max	0.7	0.7	
PISO 1	B112	335	ENVE DISEÑO Max	1.4	1.4	



Table 1.2 - Beam Forces (Part 2 of 2, continued)

Story	Beam	Unique Name	Load Case/Combo	Station m	Element Station m	Location
PISO 1	B112	335	ENVE DISEÑO Max	2.1	2.1	
PISO 1	B112	335	ENVE DISEÑO Min	0	0	
PISO 1	B112	335	ENVE DISEÑO Min	0.7	0.7	
PISO 1	B112	335	ENVE DISEÑO Min	1.4	1.4	
PISO 1	B112	335	ENVE DISEÑO Min	2.1	2.1	
PISO 1	B150	288	ENVE DISEÑO Max	0	0	
PISO 1	B150	288	ENVE DISEÑO Max	0.6	0.6	
PISO 1	B150	288	ENVE DISEÑO Max	1.2	1.2	
PISO 1	B150	288	ENVE DISEÑO Max	1.8	1.8	
PISO 1	B150	288	ENVE DISEÑO Min	0	0	
PISO 1	B150	288	ENVE DISEÑO Min	0.6	0.6	
PISO 1	B150	288	ENVE DISEÑO Min	1.2	1.2	
PISO 1	B150	288	ENVE DISEÑO Min	1.8	1.8	
PISO 1	B153	480	ENVE DISEÑO Max	0	0	
PISO 1	B153	480	ENVE DISEÑO Max	0.8167	0.8167	
PISO 1	B153	480	ENVE DISEÑO Max	1.6333	1.6333	
PISO 1	B153	480	ENVE DISEÑO Max	2.45	2.45	
PISO 1	B153	480	ENVE DISEÑO Min	0	0	
PISO 1	B153	480	ENVE DISEÑO Min	0.8167	0.8167	
PISO 1	B153	480	ENVE DISEÑO Min	1.6333	1.6333	
PISO 1	B153	480	ENVE DISEÑO Min	2.45	2.45	
PISO 1	B160	481	ENVE DISEÑO Max	0	0	
PISO 1	B160	481	ENVE DISEÑO Max	2.7833	2.7833	
PISO 1	B160	481	ENVE DISEÑO Max	5.5667	5.5667	
PISO 1	B160	481	ENVE DISEÑO Max	8.35	8.35	
PISO 1	B160	481	ENVE DISEÑO Min	0	0	
PISO 1	B160	481	ENVE DISEÑO Min	2.7833	2.7833	
PISO 1	B160	481	ENVE DISEÑO Min	5.5667	5.5667	
PISO 1	B160	481	ENVE DISEÑO Min	8.35	8.35	

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna G-9**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
PISO 3A	4.50	.50	.60	.40	28	12.36	34.31	-38.77	5.23	14.20	12/6 (1.4%)	0.97
						-10.63	-29.00				12/5 6 (1.2%)	0.90
PISO 2	2.75	.50	.60	.40	28	4.82	20.06	-80.97	3.17	14.56	12/5 6 (1.2%)	0.50
						-4.52	-21.81				12/5 6 (1.2%)	0.53
PISO 1	2.25	.50 1.10	.60	.40	28	4.88	21.71	-138.03	5.03	19.17	12/5 6 (1.2%)	0.54
						-5.71	-23.00				12/5 6 (1.2%)	0.57

**Columna G-10**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
PISO 3A	4.50	.50	.60	.40	28	-17.57	7.50	-29.92	7.32	6.37	12/5 6 (1.2%)	0.74
						14.85	-3.80				12/5 6 (1.2%)	0.65
PISO 2	2.75	.50	.60	.40	28	-1.54	8.20	-56.87	3.75	6.86	12/5 6 (1.2%)	0.22
						2.78	-11.26				12/5 6 (1.2%)	0.30
PISO 1	2.25	.50 1.10	.60	.40	28	-7.44	7.48	-101.83	6.39	8.52	12/5 6 (1.2%)	0.32
						6.96	1.07				12/5 6 (1.2%)	0.25

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna C3**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	9.56	10.69				12/5 (1.2%)	0.74
						-8.27	-7.92	-9.34	6.54	6.58	12/5 (1.2%)	0.57
PISO 3	2.75	.50	.50	.40	28	6.36	12.88				12/5 (1.2%)	0.64
						-8.86	-19.08	-24.95	5.53	11.57	12/5 (1.2%)	0.88
PISO 2	2.75	.50	.50	.40	28	5.98	10.98				12/5 (1.2%)	0.49
						-3.22	-5.75	-59.97	3.32	5.59	12/5 (1.2%)	0.25
PISO 1	2.25	.50 1.10	.50	.40	28	-2.63	-0.34				12/5 (1.2%)	0.14
						3.60	0.24	-26.15	2.76	0.24	12/5 (1.2%)	0.21

**Columna C4**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	9.66	9.15				12/6 (1.7%)	0.54
						-6.70	-6.24	-18.01	7.02	8.76	12/6 (1.7%)	0.37
PISO 3	2.75	.50	.50	.40	28	-1.40	-16.05				12/6 (1.7%)	0.48
						-0.64	24.75	-53.02	5.10	14.81	12/6 (1.7%)	0.78
PISO 2	2.75	.50	.50	.40	28	7.99	-5.11				12/6 (1.7%)	0.38
						-5.92	1.21	-73.24	5.05	6.04	12/6 (1.7%)	0.25
PISO 1	2.25	.50 1.20	.50	.40	28	0.26	1.46				12/6 (1.7%)	0.05
						-0.53	-0.99	-20.09	0.42	1.08	12/6 (1.7%)	0.04

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna C5**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
PISO 3	2.75	.50	.50	.40	28	-2.87	-22.30	-37.25	2.59	12.80	12/8 (3.1%)	0.49
						2.27	13.19				12/8 (3.1%)	0.30
PISO 3	2.75	.50	.50	.40	28	-1.70	-13.29	-59.54	2.55	15.25	12/8 (3.1%)	0.29
						3.74	28.96				12/8 (3.1%)	0.63
PISO 2	2.75	.50	.50	.40	28	-3.73	-0.19	-23.00	2.56	0.30	12/8 (3.1%)	0.11
PISO 1		1.10				3.44	0.25				12/8 (3.1%)	0.11

**Columna G-4**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	5.98	18.02	-23.50	5.96	11.37	12/8 (3.1%)	0.46
						-6.26	-13.73				12/8 (3.1%)	0.38
PISO 3	2.75	.50	.50	.40	28	3.22	18.82	-43.99	4.71	17.60	12/8 (3.1%)	0.42
						-3.77	-29.67				12/8 (3.1%)	0.65
PISO 2	2.75	.50	.50	.40	28	-6.20	-0.76	-30.21	4.65	0.25	12/8 (3.1%)	0.19
PISO 1		1.10				6.77	0.39				12/8 (3.1%)	0.21

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna D-3**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.31	7.65	-20.80	2.25	5.02	8/5 (1.3%)	0.99
						-2.26	-5.74				8/5 (1.3%)	0.72
PISO 3	2.75	.50	.40	Circ	28	1.91	6.27	-23.74	2.02	5.42	8/5 (1.3%)	0.79
						-1.96	-7.35				8/5 (1.3%)	0.78
PISO 2	2.75	.50	.40	Circ	28	0.61	2.93	-62.90	1.20	1.86	8/5 (1.3%)	0.27
PISO 1		1.10				-0.78	-2.47				8/5 (1.3%)	0.21

**Columna D-4**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.20	6.18	-14.73	1.86	2.63	8/5 (1.3%)	0.89
						1.78	1.07				8/5 (1.3%)	0.42
PISO 3	2.75	.50	.40	Circ	28	-2.12	-2.10	-35.09	1.74	2.55	8/5 (1.3%)	0.32
						2.34	4.37				8/5 (1.3%)	0.57
PISO 2	2.75	.50	.40	Circ	28	-0.40	-3.08	-49.30	0.76	1.53	8/5 (1.3%)	0.30
PISO 1		1.10				0.59	1.61				8/5 (1.3%)	0.17

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna CR1**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.33	6.14	-14.59	1.98	2.11	8/5 (1.3%)	0.89
						1.77	3.51				8/5 (1.3%)	0.58
PISO 3	2.75	.50	.40	Circ	28	-2.25	-2.57	-34.55	1.89	2.77	8/5 (1.3%)	0.37
						2.50	4.88				8/5 (1.3%)	0.63
PISO 2	2.75	.50	.40	Circ	28	-0.43	-4.49	-48.52	0.64	2.25	8/5 (1.3%)	0.44
PISO 1		1.10				0.58	2.60				8/5 (1.3%)	0.27

**Columna D-6**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.16	6.40	-13.68	1.90	2.69	8/5 (1.3%)	0.93
						1.93	6.78				8/5 (1.3%)	0.97
PISO 3	2.75	.50	.40	Circ	28	-2.45	-4.52	-35.71	2.12	4.24	8/5 (1.3%)	0.55
						2.68	7.17				8/5 (1.3%)	0.88
PISO 2	2.75	.50	.40	Circ	28	-0.39	-4.16	-50.27	0.53	2.11	8/5 (1.3%)	0.40
PISO 1		1.10				0.52	3.47				8/5 (1.3%)	0.36

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna CR2**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.90	6.04	-20.41	1.89	4.68	12/7 (3.7%)	0.44
						0.75	12.04				12/7 (3.7%)	0.79
PISO 3	2.75	.50	.40	Circ	28	1.84	8.13	-26.76	2.05	8.79	12/7 (3.7%)	0.53
						-2.73	-15.71				12/7 (3.7%)	0.99
PISO 2	2.75	.50	.40	Circ	28	0.88	6.65	-42.80	0.94	5.18	12/7 (3.7%)	0.40
PISO 1		1.10				-0.89	-7.79				12/7 (3.7%)	0.44

**Columna C6**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	-1.97	-27.60	-37.84	1.85	16.14	14/8 (3.6%)	0.56
						1.26	16.73				14/8 (3.6%)	0.34
PISO 3	2.75	.50	.50	.40	28	-3.69	-12.46	-63.40	4.42	16.23	14/8 (3.6%)	0.29
PISO 2		1.10				5.45	32.66				14/8 (3.6%)	0.71

**Columna G-5**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	6.47	21.41	-20.18	4.90	13.72	14/8 (3.6%)	0.50
						-5.44	-16.29				14/8 (3.6%)	0.39
PISO 3	2.75	.50	.50	.40	28	6.47	19.31	-39.22	6.56	19.43	14/8 (3.6%)	0.46
PISO 2		1.10				-9.76	-34.17				14/8 (3.6%)	0.80

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna F-6**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	-2.03	-36.73	-40.07	1.93	21.46	16/8 (3.7%)	0.67
						1.28	22.06				16/8 (3.7%)	0.40
PISO 3	2.75	.50	.55	.40	21	-4.03	-12.43	-90.59	4.87	21.17	16/8 (3.7%)	0.29
PISO 2						6.03	45.96				16/8 (3.7%)	0.89

**Columna G-6**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	6.67	27.05	-18.04	5.06	17.26	16/8 (3.7%)	0.55
						-5.74	-20.21				16/8 (3.7%)	0.42
PISO 3	2.75	.50	.55	.40	21	7.02	20.22	-34.52	6.91	23.93	16/8 (3.7%)	0.44
PISO 2						-10.52	-45.71				16/8 (3.7%)	0.97

**Columna F-7**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	-2.18	-43.47	-40.88	2.07	25.84	16/8 (3.7%)	0.79
						1.50	27.26				16/8 (3.7%)	0.49
PISO 3	2.75	.50	.55	.40	21	-4.45	-12.26	-92.79	5.07	23.10	16/8 (3.7%)	0.29
PISO 2						6.34	51.47				16/8 (3.7%)	0.99



**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna C7**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	7.75	27.43	-16.81	5.18	19.94	16/8 (3.7%)	0.57
						-6.32	-21.65				16/8 (3.7%)	0.46
PISO 3	2.75	.50	.55	.40	21	6.71	18.02	-30.13	7.16	25.44	16/8 (3.7%)	0.40
PISO 2						-10.23	-45.05				16/8 (3.7%)	0.96

**Columna G-8**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.60	.40	21	-10.87	-24.84	-26.07	6.33	21.98	22/7 (3.5%)	0.48
						-0.40	-22.58				22/7 (3.5%)	0.34
PISO 3	2.75	.50	.60	.40	21	5.29	15.49	-2.59	5.48	30.75	22/7 (3.5%)	0.29
PISO 2						10.20	63.79				22/7 (3.5%)	1.00

**Columna F-8**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.60	.40	28	-7.08	-37.29	-27.46	4.20	24.58	22/7 (3.5%)	0.55
						4.21	24.82				22/7 (3.5%)	0.37
PISO 3	2.75	.50	.60	.40	28	3.54	13.27	-5.88	4.46	32.25	22/7 (3.5%)	0.27
PISO 2						5.52	67.92				22/7 (3.5%)	0.98

**DISEÑO DE COLUMNAS\_JARDIN INFANTIL SANTA TERESITA MODULO 1****Columna C1**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
PISO 3A	4.50	.50	.60	.40	28	3.28	-36.11				12/6 (1.4%)	0.95
						-1.80	30.09	-35.24	2.57	14.84	12/5 6 (1.2%)	0.90
PISO 2	2.75	.50	.60	.40	28	1.48	-21.50				12/5 6 (1.2%)	0.53
						-0.17	22.97	-73.81	2.36	15.49	12/5 6 (1.2%)	0.58
PISO 1	2.25	.50 1.10	.60	.40	28	0.45	-21.48				12/5 6 (1.2%)	0.64
						-0.05	21.48	-30.64	0.48	18.20	12/5 6 (1.2%)	0.65

**Columna C2**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
PISO 3	2.75	.50	.50	Circ	28	0.47	12.58				14/5 (1.4%)	0.82
						9.19	9.74	-16.00	7.99	9.34	14/5 (1.4%)	0.96
PISO 2	2.75	.50	.50	Circ	28	1.46	5.44				14/5 (1.4%)	0.37
						-0.59	-5.53	-14.90	3.06	3.69	14/5 (1.4%)	0.28
PISO 1	2.25	.50 1.20	.50	Circ	28	0.86	6.84				14/5 (1.4%)	0.35
						4.95	-2.14	-53.03	4.33	5.08	14/5 (1.4%)	0.27

**JARDIN INFANTIL SANTA TERESITA\_CHEQUEO COLS C.21.3.6****Columna G-9**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
PISO 3A	4.50	.60	.40	28	-38.77	12/6 (1.4%) 12/5 6 (1.2%)	21.43	44.00	23.96	36.83	1.12	.84
PISO 2	2.75	.60	.40	28	-80.97	12/5 6 (1.2%) 12/5 6 (1.2%)	23.48	44.38	46.71	64.00	1.99	1.44
PISO 1	2.25	.60	.40	28	-138.03	12/5 6 (1.2%) 12/5 6 (1.2%)	22.98 .00	51.69 .00	53.92 28.84	74.92 28.64	2.35	1.45

Pu<0.1f'cAg  
OK**Columna G-10**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
PISO 3A	4.50	.60	.40	28	-29.92	12/5 6 (1.2%) 12/5 6 (1.2%)	10.82	22.26	19.98	30.89	1.85	1.39
PISO 2	2.75	.60	.40	28	-56.87	12/5 6 (1.2%) 12/5 6 (1.2%)	17.18	27.23	42.92	60.54	2.50	2.22
PISO 1	2.25	.60	.40	28	-101.83	12/5 6 (1.2%) 12/5 6 (1.2%)	17.18 .00	29.22 .00	48.72 27.80	70.56 25.79	2.84	2.41

**JARDIN INFANTIL SANTA TERESITA\_CHEQUEO COLS C.21.3.6****Columna C3**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.50	.40	28	-9.34	12/5 (1.2%)	7.15	17.61	15.45	19.85	2.16	1.13
						12/5 (1.2%)						
PISO 3	2.75	.50	.40	28	-24.95	12/5 (1.2%)	14.58	28.37	32.33	39.66	2.22	1.40
						12/5 (1.2%)						
PISO 2	2.75	.50	.40	28	-59.97	12/5 (1.2%)	14.58	35.12	36.69	45.00	2.52	1.28
						12/5 (1.2%)						
PISO 1	2.25	.50	.40	28	-26.15	12/5 (1.2%)	8.23	14.30	36.09	41.89	4.39	2.93
						12/5 (1.2%)	.00	.00	18.91	16.28		

Pu<0.1f'cAg  
OK**Columna C4**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.50	.40	28	-18.01	12/6 (1.7%)	13.50	19.20	21.42	27.82	1.59	1.45
						12/6 (1.7%)						
PISO 3	2.75	.50	.40	28	-53.02	12/6 (1.7%)	21.03	29.33	43.97	52.84	2.09	1.80
						12/6 (1.7%)						
PISO 2	2.75	.50	.40	28	-73.24	12/6 (1.7%)	16.56	37.44	47.57	56.28	2.87	1.50
						12/6 (1.7%)						
PISO 1	2.25	.50	.40	28	-20.09	12/6 (1.7%)	14.58	14.30	46.48	52.38	3.19	3.66
						12/6 (1.7%)	.00	.00	23.41	21.47		

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
PISO 3	2.75	.50	.40	28	-37.25	12/8 (3.1%)	16.56	34.03	34.38	46.15	2.08	1.36
						12/8 (3.1%)						
PISO 3	2.75	.50	.40	28	-59.54	12/8 (3.1%)	13.50	69.93	69.18	89.03	5.12	1.27
						12/8 (3.1%)						
PISO 2	2.75	.50	.40	28	-23.00	12/8 (3.1%)	10.21	17.41	67.63	76.09	6.63	4.37
PISO 1						12/8 (3.1%)	8.23	7.15	34.39	32.82	3.99	4.81

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.50	.40	28	-23.50	12/8 (3.1%)	16.56	31.71	33.52	45.06	2.02	1.42
						12/8 (3.1%)						
PISO 3	2.75	.50	.40	28	-43.99	12/8 (3.1%)	13.50	62.20	68.20	83.82	5.05	1.35
						12/8 (3.1%)						
PISO 2	2.75	.50	.40	28	-30.21	12/8 (3.1%)	8.23	17.41	66.99	78.83	8.14	4.53
PISO 1						12/8 (3.1%)	.00	.00	32.30	32.32		

**JARDIN INFANTIL SANTA TERESITA\_CHEQUEO COLS C.21.3.6****Columna C6**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.50	.40	28	-37.84	14/8 (3.6%)	13.79	34.03	38.98	50.12	2.83	1.47
						14/8 (3.6%)						
PISO 3	2.75	.50	.40	28	-63.40	14/8 (3.6%)	13.50	69.19	77.71	93.41	5.75	1.35
PISO 2						14/8 (3.6%)						
							.00	.00	34.00	38.73		

**Columna G-5**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.50	.40	28	-20.18	14/8 (3.6%)	13.50	31.71	38.21	49.25	2.83	1.55
						14/8 (3.6%)						
PISO 3	2.75	.50	.40	28	-39.22	14/8 (3.6%)	13.50	62.20	77.26	89.79	5.72	1.44
PISO 2						14/8 (3.6%)						
							.00	.00	36.83	39.05		

**Columna F-6**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.55	.40	21	-40.07	16/8 (3.7%)	13.50	43.40	41.15	56.66	3.05	1.31
						16/8 (3.7%)						
PISO 3	2.75	.55	.40	21	-90.59	16/8 (3.7%)	13.50	69.93	79.29	96.84	5.87	1.38
PISO 2						16/8 (3.7%)						
							.00	.00	32.72	38.13		

**JARDIN INFANTIL SANTA TERESITA\_CHEQUEO COLS C.21.3.6****Columna G-6**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.55	.40	21	-18.04	16/8 (3.7%)	13.50	42.35	41.18	56.75	3.05	1.34
						16/8 (3.7%)						
PISO 3	2.75	.55	.40	21	-34.52	16/8 (3.7%)	13.50	62.20	80.41	94.24	5.95	1.52
PISO 2						16/8 (3.7%)	.00	.00	34.98	39.23		

**Columna F-7**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.55	.40	21	-40.88	16/8 (3.7%)	13.50	48.59	41.15	56.66	3.05	1.17
						16/8 (3.7%)						
PISO 3	2.75	.55	.40	21	-92.79	16/8 (3.7%)	13.50	.00	79.11	95.86	5.86	
PISO 2						16/8 (3.7%)	.00	.00	33.31	37.95		

Pu<0.1f'cAg  
OK**Columna C7**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.55	.40	21	-16.81	16/8 (3.7%)	16.56	51.57	41.17	56.71	2.49	1.10
						16/8 (3.7%)						
PISO 3	2.75	.55	.40	21	-30.13	16/8 (3.7%)	13.50	.00	80.10	93.05	5.93	
PISO 2						16/8 (3.7%)	.00	.00	35.05	38.93		

Pu<0.1f'cAg  
OK

**JARDIN INFANTIL SANTA TERESITA\_CHEQUEO COLS C.21.3.6****Columna G-8**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.60	.40	21	-26.07	22/7 (3.5%)	7.15	68.70	43.51	65.28	6.09	.95
						22/7 (3.5%)						
PISO 3	2.75	.60	.40	21	-2.59	22/7 (3.5%)	7.15	78.88	86.69	105.75	12.13	1.34
PISO 2						22/7 (3.5%)	.00	.00	41.11	43.18		

Pu<0.1f'cAg  
OK**Columna F-8**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
CUB	2.75	.60	.40	28	-27.46	22/7 (3.5%)	7.15	38.64	44.44	69.00	6.22	1.79
						22/7 (3.5%)						
PISO 3	2.75	.60	.40	28	-5.88	22/7 (3.5%)	7.15	83.38	88.70	116.66	12.41	1.40
PISO 2						22/7 (3.5%)	.00	.00	46.36	44.26		

**Columna C1**

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
PISO 3A	4.50	.60	.40	28	-35.24	12/6 (1.4%)	20.49	28.62	23.18	35.80	1.13	1.25
						12/5 6 (1.2%)						
PISO 2	2.75	.60	.40	28	-73.81	12/5 6 (1.2%)	23.14	33.41	44.51	60.23	1.92	1.80
						12/5 6 (1.2%)						
PISO 1	2.25	.60	.40	28	-30.64	12/5 6 (1.2%)	13.50	40.85	44.12	58.07	3.27	1.42
						12/5 6 (1.2%)	.00	.00	26.70	20.24		

Pu<0.1f'cAg  
OK



JARDIN INFANTIL SANTA TERESITA\_CHEQUEO COLS C.21.3.6

Columna C2

Es 1

Nivel	H Piso (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	Refuerzo	Res. Vig Eje ppal	Res. Vig Eje sec	Res. Col Eje ppal	Res. Col Eje sec	Col/Vig Eje ppal	Col/vig Eje sec
PISO 3	2.75	.50	Circ	28	-16.00	14/5 (1.4%)	17.18	18.26	13.90	13.90	.81	.76
						14/5 (1.4%)						
PISO 2	2.75	.50	Circ	28	-14.90	14/5 (1.4%)	14.58	17.36	29.01	29.01	1.99	1.67
						14/5 (1.4%)						
PISO 1	2.25	.50	Circ	28	-53.03	14/5 (1.4%)	14.58	17.97	32.20	32.20	2.21	1.79
						14/5 (1.4%)	.00	.00	17.09	17.09		

Pu<0.1f'cAg  
OK

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna G-9**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
PISO 3A	4.50	.50	.60	.40	28	-38.77	15.68	42.60	21.17	0.97
										0.90
PISO 2	2.75	.50	.60	.40	28	-80.97	9.52	43.69	21.17	0.50
										0.53
PISO 1	2.25	.50 1.10	.60	.40	28	-138.03	15.08	57.52	21.17	0.54
										0.57

**Columna G-10**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
PISO 3A	4.50	.50	.60	.40	28	-29.92	21.95	19.10	21.17	0.74
										0.65
PISO 2	2.75	.50	.60	.40	28	-56.87	11.24	20.58	21.17	0.22
										0.30
PISO 1	2.25	.50 1.10	.60	.40	28	-101.83	19.17	25.56	21.17	0.32
										0.25

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna C3**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	-9.34	19.63	19.73	17.64	0.74
										0.57
PISO 3	2.75	.50	.50	.40	28	-24.95	16.60	34.71	17.64	0.64
										0.88
PISO 2	2.75	.50	.50	.40	28	-59.97	9.95	16.78	17.64	0.49
										0.25
PISO 1	2.25	.50	.50	.40	28	-26.15	8.28	0.72	17.64	0.14
		1.10								0.21

**Columna C4**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	-18.01	21.07	26.29	17.64	0.54
										0.37
PISO 3	2.75	.50	.50	.40	28	-53.02	15.29	44.44	17.64	0.48
										0.78
PISO 2	2.75	.50	.50	.40	28	-73.24	15.16	18.13	17.64	0.38
										0.25
PISO 1	2.25	.50	.50	.40	28	-20.09	1.27	3.25	17.64	0.05
		1.20								0.04

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna C5**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
PISO 3	2.75	.50	.50	.40	28	-37.25	7.77	38.39	17.64	0.72
										0.44
PISO 3	2.75	.50	.50	.40	28	-59.54	7.64	45.75	17.64	0.39
										0.90
PISO 2	2.75	.50	.50	.40	28	-23.00	7.67	0.89	17.64	0.16
PISO 1		1.10								0.16

**Columna G-4**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	-23.50	17.89	34.10	17.64	0.66
										0.52
PISO 3	2.75	.50	.50	.40	28	-43.99	14.13	52.81	17.64	0.60
										0.90
PISO 2	2.75	.50	.50	.40	28	-30.21	13.96	0.74	17.64	0.27
PISO 1		1.10								0.32

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna C2**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
PISO 3	2.75	.50	.50	Circ	28	-16.00	71.89	28.01	17.64	0.82
										0.96
PISO 2	2.75	.50	.50	Circ	28	-14.90	27.52	11.07	17.64	0.37
										0.28
PISO 1	2.25	.50 1.20	.50	Circ	28	-53.03	38.98	15.25	17.64	0.35
										0.27

**Columna CR1(EJE4)**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	-14.73	5.59	7.90	14.11	0.95
										0.46
PISO 3	2.75	.50	.40	Circ	28	-35.09	5.23	7.65	14.11	0.34
										0.60
PISO 2	2.75	.50	.40	Circ	28	-49.30	2.28	4.58	14.11	0.31
PISO 1		1.10								0.18

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna CR1(EJE 5)**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	-14.59	5.93	6.32	14.11	0.89
										0.58
PISO 3	2.75	.50	.40	Circ	28	-34.55	5.67	8.32	14.11	0.37
										0.63
PISO 2	2.75	.50	.40	Circ	28	-48.52	1.93	6.74	14.11	0.44
PISO 1		1.10								0.27

**Columna CR1(EJE6)**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	-13.68	5.69	8.07	14.11	0.93
										0.97
PISO 3	2.75	.50	.40	Circ	28	-35.71	6.37	12.71	14.11	0.55
										0.88
PISO 2	2.75	.50	.40	Circ	28	-50.27	1.58	6.32	14.11	0.40
PISO 1		1.10								0.36

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna CR2**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	-20.41	5.68	14.04	14.11	0.44
										0.79
PISO 3	2.75	.50	.40	Circ	28	-26.76	6.16	26.36	14.11	0.53
										0.99
PISO 2	2.75	.50	.40	Circ	28	-42.80	2.83	15.54	14.11	0.40
PISO 1		1.10								0.44

**Columna C6**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	-37.84	5.55	48.43	17.64	0.56
										0.34
PISO 3	2.75	.50	.50	.40	28	-63.40	13.26	48.70	17.64	0.29
PISO 2		1.10								0.71

**Columna G-5**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.50	.40	28	-20.18	14.71	41.17	17.64	0.50
										0.39
PISO 3	2.75	.50	.50	.40	28	-39.22	19.67	58.28	17.64	0.46
PISO 2		1.10								0.80

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna F-6**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	-40.07	5.78	64.37	16.80	0.67
										0.40
PISO 3	2.75	.50	.55	.40	21	-90.59	14.60	63.50	16.80	0.29
PISO 2		1.10								0.89

**Columna G-6**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	-18.04	15.19	51.77	16.80	0.55
										0.42
PISO 3	2.75	.50	.55	.40	21	-34.52	20.73	71.80	16.80	0.44
PISO 2		1.10								0.97

**Columna F-7**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	-40.88	6.22	77.53	16.80	0.79
										0.49
PISO 3	2.75	.50	.55	.40	21	-92.79	15.21	69.31	16.80	0.29
PISO 2		1.10								0.99



**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna C7**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.55	.40	21	-16.81	15.55	59.82	16.80	0.57
										0.46
PISO 3	2.75	.50	.55	.40	21	-30.13	21.47	76.33	16.80	0.40
PISO 2										0.96

**Columna G-8**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.60	.40	21	-26.07	19.00	65.95	18.33	0.48
										0.34
PISO 3	2.75	.50	.60	.40	21	-2.59	16.45	92.25	18.33	0.29
PISO 2										1.00

**Columna F-8**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
CUB	2.75	.50	.60	.40	28	-27.46	12.61	73.75	21.17	0.55
										0.37
PISO 3	2.75	.50	.60	.40	28	-5.88	13.37	96.76	21.17	0.27
PISO 2										0.98

**CHEQUEO C.21.3.3.2\_COLUMNAS\_MOD1\_JARDIN SANTA TERESITA****Columna C1**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
PISO 3A	4.50	.50	.60	.40	28	-35.24	7.72	44.52	21.17	0.95
										0.90
PISO 2	2.75	.50	.60	.40	28	-73.81	7.08	46.48	21.17	0.53
										0.58
PISO 1	2.25	.50 1.10	.60	.40	28	-30.64	1.43	54.60	21.17	0.64
										0.65

**Columna C2**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	Pu (t)	V1 (t)	V2 (t)	vc	Sobreesfuerzo
PISO 3	2.75	.50	.50	Circ	28	-16.00	71.89	28.01	17.64	0.82
										0.96
PISO 2	2.75	.50	.50	Circ	28	-14.90	27.52	11.07	17.64	0.37
										0.28
PISO 1	2.25	.50 1.20	.50	Circ	28	-53.03	38.98	15.25	17.64	0.35
										0.27

**REQUISITOS DMO TÍTULO C.21 SEGÚN NSR-10**  
DISIPACIÓN MODERADA DE ENERGÍA

PROYECTO: **JARDIN INFANTIL SANTA TERESITA**

CALCULÓ: **METRIC IOC**

**1. MATERIALES**

1.1 Resistencia mínima del concreto	28 MPa
1.2 Resistencia máxima del concreto liviano	35 MPa
1.3 Acero de refuerzo	420 MPa

**3. COLUMNAS**

3.1 Ancho mínimo $B_c$	250 mm
3.2 Área mínima $A_c$	625 mm <sup>2</sup>

**3.3 Cuantía**

Cuantía mínima	0.01
Cuantía máxima	0.04

**3.4 Confinamiento**

Resistencia del concreto $f'_c$	28 MPa
Resistencia del acero $f'_y$	420 MPa

Menor dimensión de la columna $B_c$ (mm)	400	400	400
Mayor dimensión de la columna $L_c$ (mm)	500	550	600
Recubrimiento (mm)	40	40	40
Menor $\phi_{\text{barra}}$ longitudinal	#5	#5	#5
Menor $\phi_{\text{barra}}$ estribo	#3	#3	#3
<u>Longitud de confinamiento</u>			
Luz libre de la columna $L_h$ (m)	3000	3500	4000
1/6 luz libre	500	583	667
Mayor dimensión de la columna $L_c$ (cm)	500	550	600

Longitud de confinamiento $L_0$	500 mm	583 mm	667 mm
Separación el menor entre:			
8 $\phi$ barra longitudinal más pequeña	127	127	127
16 $\phi$ estribo	152	152	152
1/3 $B_c$	133	133	133
<b>Separación zona confinada:</b>	<b>127 mm</b>	<b>127 mm</b>	<b>127 mm</b>
<b>Separación zona no confinada:</b>	<b>254 mm</b>	<b>254 mm</b>	<b>254 mm</b>
<b># mínimo de estribos confinamiento:</b>	<b>5</b>	<b>6</b>	<b>7</b>

El espaciamiento entre gachos suplementarios no puede exceder 350mm

### 3.5 Refuerzo a cortante mínimo

#### Columnas rectangulares

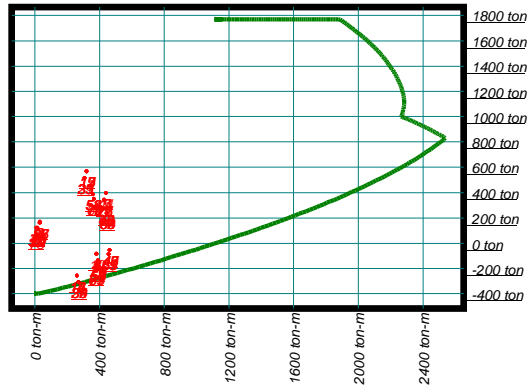
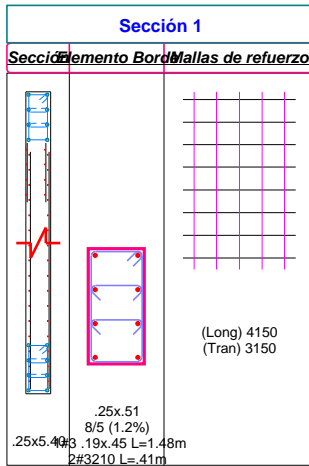
Área total de la columna $A_g$ (mm <sup>2</sup> )	200000	220000	240000
Área zona confinada de la columna $A_{sh}$ (mm <sup>2</sup> )	134400	150400	166400
$\phi_{barra}$ estribo cerrado	#3	#3	#3
$\phi_{barra}$ flejes sencillos	#3	#3	#3
# de ramas estribo cerrado en sentido $B_c$	3	3	3
# de ramas flejes sencillos en sentido $B_c$	3	3	3
$s_{A_{sh}B}$ , el menor entre:	334	334	334
	205	217	227
<b>Separación zona confinada por <math>A_{sh}B</math>:</b>	<b>205</b>	<b>217</b>	<b>227</b>
# de ramas estribo cerrado en sentido $L_c$	2	4	2
# de ramas flejes sencillos en sentido $L_c$	2	10	5
$s_{A_{sh}L}$ , el menor entre:	170	531	240
	104	344	163
<b>Separación zona confinada por <math>A_{sh}L</math>:</b>	<b>104</b>	<b>344</b>	<b>163</b>
<b>Separación zona confinada por <math>A_{sh}</math>:</b>	<b>104</b>	<b>217</b>	<b>163</b>

#### Columnas circulares

Diametro $D_c$ (mm)	500	600	
Área total de la columna $A_g$ (mm <sup>2</sup> )	196350	282743	
Área zona confinada de la columna $A_{sh}$ (mm <sup>2</sup> )	138544	212372	
<b>Cuantía volumétrica <math>\rho_s</math></b>	<b>0.0125</b>	<b>0.0099</b>	
El mayor entre:	0.0053	0.0125	0.0099
$\phi_{barra}$ estribo	#3	#3	
<b>Separación en zona confinada por <math>\rho_s</math></b>	<b>54 mm</b>	<b>55 mm</b>	

### **Pantalla P1F (Vanos 1 a 2) F'c= 28Mpa**

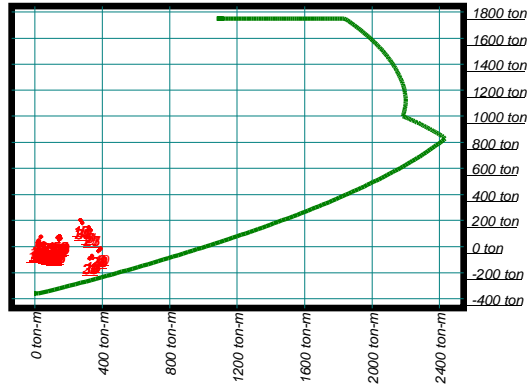
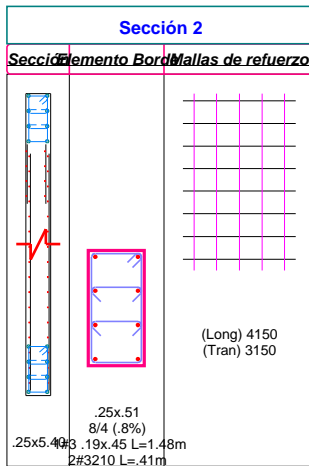
Cortante de Diseño =162.4 ton En el vano 2 Combinación 28 [vu=1.50Mpa Øvc=0.71Mpa Øvs=1.19Mpa]  
Esfuerzo flexión=6.84Mpa En el vano 1 Combinación 13 [Momento =319.3 ton-m Axial =568.6 ton C=1.55m]



N	Mu	Pu	C
1	29.9	162.2	0.9
2	29.3	170.0	0.9
3	32.5	172.5	0.9
4	380.4	-82.9	0.5
5	440.2	396.6	1.3
6	380.4	-82.9	0.5
7	440.2	396.6	1.3
8	380.4	-82.9	0.5
9	440.2	396.6	1.3
10	380.4	-82.9	0.5
11	440.2	396.6	1.3
12	259.6	-255.0	0.2
13	319.3	568.6	1.6
14	259.6	-255.0	0.2
15	319.3	568.6	1.6

### **Pantalla P1F (Vanos 3 a 5) F'c= 28Mpa**

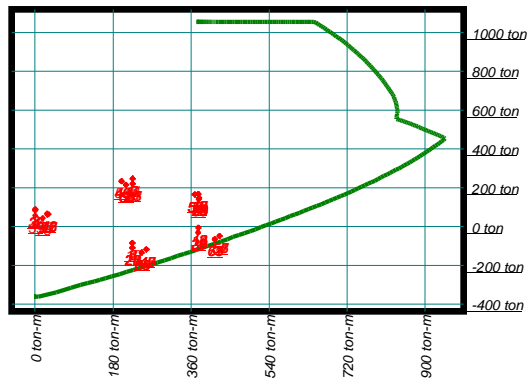
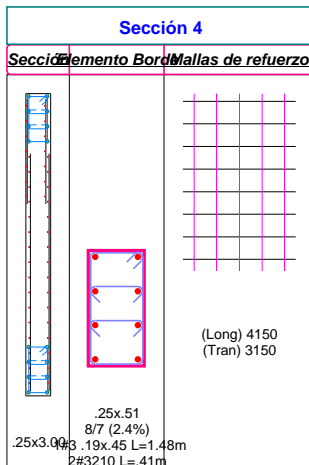
Cortante de Diseño =139.2 ton En el vano 3 Combinación 28 [vu=1.29Mpa Øvc=0.87Mpa Øvs=1.19Mpa]  
Esfuerzo flexión=3.73Mpa En el vano 3 Combinación 13 [Momento =269.8 ton-m Axial =203.3 ton C=0.94m]



N	Mu	Pu	C
1	34.3	72.5	0.7
2	33.8	77.0	0.7
3	38.2	76.8	0.7
4	388.9	-14.8	0.6
5	320.3	147.1	0.9
6	388.9	-14.8	0.6
7	320.3	147.1	0.9
8	388.9	-14.8	0.6
9	320.3	147.1	0.9
10	388.9	-14.8	0.6
11	320.3	147.1	0.9
12	338.4	-71.0	0.5
13	269.8	203.3	0.9
14	338.4	-71.0	0.5
15	269.8	203.3	0.9

### **Pantalla P2 (Vanos 1 a 2) F'c= 28Mpa**

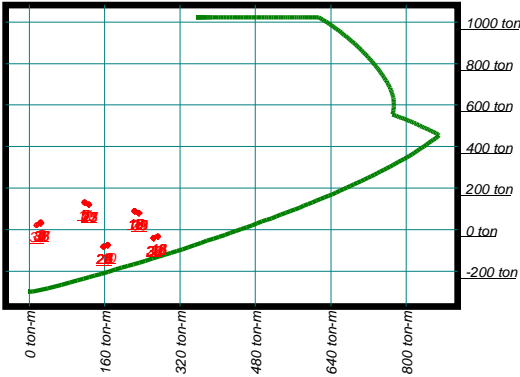
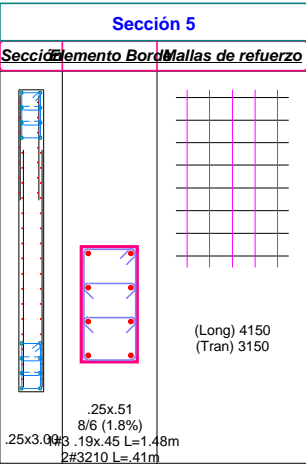
Cortante de Diseño =194.9 ton En el vano 2 Combinación 12 [vu=3.25Mpa Øvc=0.87Mpa Øvs=1.19Mpa]  
Esfuerzo flexión=12.29Mpa En el vano 1 Combinación 13 [Momento =377.4 ton-m Axial =167.0 ton C=0.65m]



N	Mu	Pu	C
1	0.2	83.6	0.5
2	0.9	88.2	0.5
3	0.1	88.5	0.5
4	225.1	-85.2	0.3
5	225.6	246.4	0.8
6	225.1	-85.2	0.3
7	225.6	246.4	0.8
8	225.1	-85.2	0.3
9	225.6	246.4	0.8
10	225.1	-85.2	0.3
11	225.6	246.4	0.8
12	377.0	-5.7	0.4
13	377.4	167.0	0.7
14	377.0	-5.7	0.4
15	377.4	167.0	0.7

**Pantalla P2 (Vanos 3 a 3) F'c= 28Mpa**

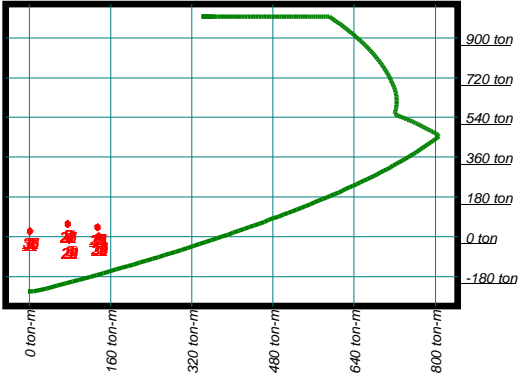
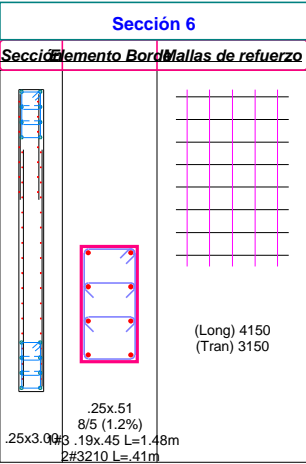
Cortante de Diseño =125.4 ton En el vano 3 Combinación 12 [vu=2.09Mpa Øvc=0.91Mpa Øvs=1.19Mpa]  
Esfuerzo flexión=7.29Mpa En el vano 3 Combinación 29 [Momento =233.1 ton-m Axial =80.2 ton C=0.50m]



N	Mu	Pu	C
1	24.2	31.9	0.4
2	24.3	35.2	0.4
3	26.4	33.0	0.4
4	166.6	-73.7	0.3
5	118.3	130.5	0.6
6	166.6	-73.7	0.3
7	118.3	130.5	0.6
8	166.6	-73.7	0.3
9	118.3	130.5	0.6
10	166.6	-73.7	0.3
11	118.3	130.5	0.6
12	272.9	-32.6	0.4
13	224.6	89.5	0.5
14	272.9	-32.6	0.4
15	224.6	89.5	0.5

**Pantalla P2 (Vanos 4 a 4) F'c= 28Mpa**

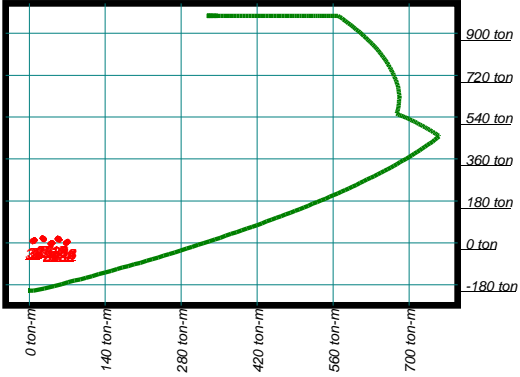
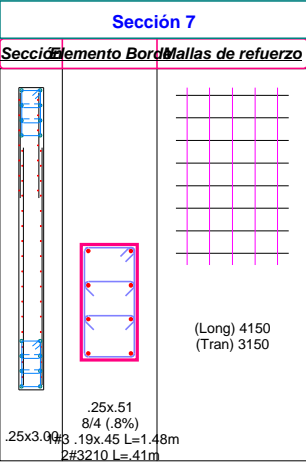
Cortante de Diseño =117.2 ton En el vano 4 Combinación 12 [vu=1.95Mpa Øvc=1.01Mpa Øvs=1.19Mpa]  
Esfuerzo flexión=4.20Mpa En el vano 4 Combinación 13 [Momento =134.4 ton-m Axial =46.2 ton C=0.44m]



N	Mu	Pu	C
1	1.5	26.3	0.4
2	1.8	28.3	0.4
3	1.5	27.6	0.4
4	78.9	-11.8	0.4
5	76.0	60.6	0.5
6	78.9	-11.8	0.4
7	76.0	60.6	0.5
8	78.9	-11.8	0.4
9	76.0	60.6	0.5
10	78.9	-11.8	0.4
11	76.0	60.6	0.5
12	137.4	6.4	0.4
13	134.4	46.2	0.4
14	137.4	6.4	0.4
15	134.4	46.2	0.4

**Pantalla P2 (Vanos 5 a 5) F'c= 28Mpa**

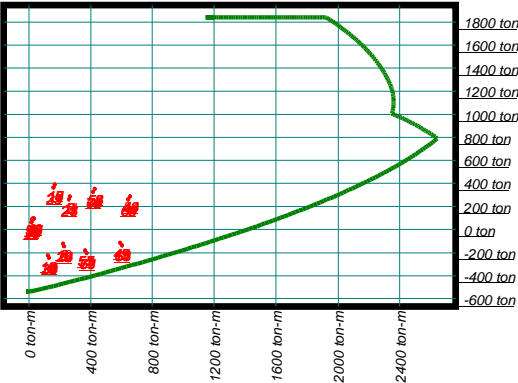
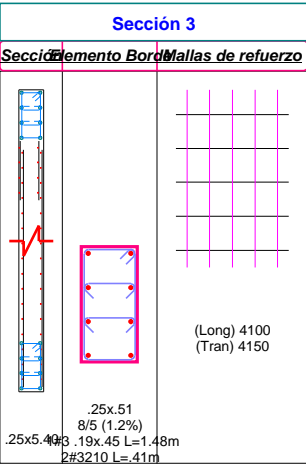
Cortante de Diseño =56.7 ton En el vano 5 Combinación 12 [vu=0.94Mpa Øvc=1.00Mpa Øvs=1.19Mpa]  
Esfuerzo flexión=1.95Mpa En el vano 5 Combinación 12 [Momento =71.2 ton-m Axial =3.7 ton C=0.35m]



N	Mu	Pu	C
1	9.3	10.1	0.4
2	9.4	11.3	0.4
3	10.1	10.6	0.4
4	43.0	-1.8	0.3
5	24.4	18.8	0.4
6	43.0	-1.8	0.3
7	24.4	18.8	0.4
8	43.0	-1.8	0.3
9	24.4	18.8	0.4
10	43.0	-1.8	0.3
11	24.4	18.8	0.4
12	71.2	3.7	0.4
13	52.6	16.5	0.4
14	71.2	3.7	0.4
15	52.6	16.5	0.4

**Pantalla P1E (Vanos 1 a 2) F'c= 28Mpa**

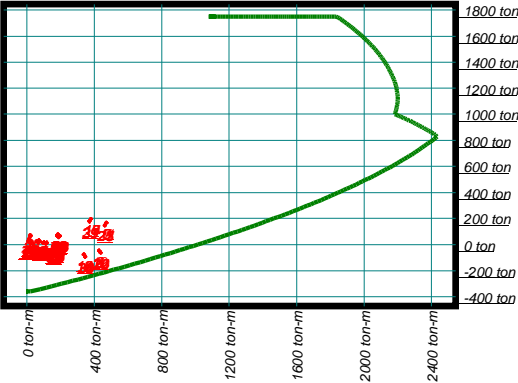
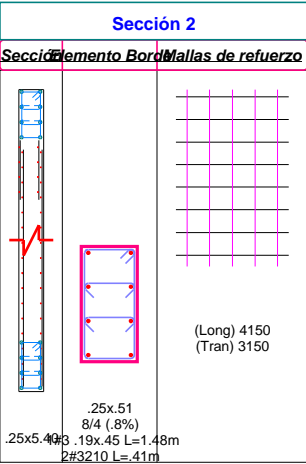
Cortante de Diseño =122.3 ton En el vano 2 Combinación 28 [vu=1.13Mpa Øvc=0.71Mpa Øvs=2.17Mpa]  
Esfuerzo flexión=7.54Mpa En el vano 2 Combinación 5 [Momento =656.6 ton-m Axial =287.7 ton C=1.24m]



N	Mu	Pu	C
1	22.4	87.2	0.9
2	23.1	96.9	0.9
3	24.0	90.1	0.9
4	222.3	-122.5	0.6
5	267.2	286.1	1.2
6	222.3	-122.5	0.6
7	267.2	286.1	1.2
8	222.3	-122.5	0.6
9	267.2	286.1	1.2
10	222.3	-122.5	0.6
11	267.2	286.1	1.2
12	123.7	-224.6	0.5
13	168.6	388.3	1.4
14	123.7	-224.6	0.5
15	168.6	388.3	1.4

**Pantalla P1E (Vanos 3 a 5) F'c= 28Mpa**

Cortante de Diseño =139.0 ton En el vano 3 Combinación 20 [vu=1.29Mpa Øvc=0.91Mpa Øvs=1.19Mpa]  
Esfuerzo flexión=5.10Mpa En el vano 3 Combinación 5 [Momento =470.5 ton-m Axial =166.0 ton C=0.87m]



N	Mu	Pu	C
1	21.1	65.9	0.7
2	19.7	73.8	0.7
3	23.4	68.1	0.7
4	428.4	-46.9	0.5
5	470.5	166.0	0.9
6	428.4	-46.9	0.5
7	470.5	166.0	0.9
8	428.4	-46.9	0.5
9	470.5	166.0	0.9
10	428.4	-46.9	0.5
11	470.5	166.0	0.9
12	337.8	-77.2	0.5
13	379.9	196.2	0.9
14	337.8	-77.2	0.5
15	379.9	196.2	0.9

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V100/PISO 1

B=0.30 H=0.50 L=2.35			B=0.30 H=0.50 L=7.90			B=0.30 H=0.50 L=5.00		
Mu=-0.00 As =4.48 As(r)=4.46	Mu=-146.71 As =11.02 As(r)=9.17		Mu=-120.65 As =11.02 As(r)=7.46	Mu=-119.80 As =7.96 As(r)=7.40		Mu=-79.31 As =7.96 As(r)=4.81	Mu=-44.32 As =5.97 As(r)=4.46	
Mu=8.05 As =5.97 As(r)=4.46	Mu=0.00 As =5.97 As(r)=4.46	Mu=29.34 As =5.97 As(r)=4.46	Mu=40.22 As =5.97 As(r)=4.46	Mu=67.65 As =5.97 As(r)=4.46	Mu=39.93 As =4.57 As(r)=4.46	Mu=26.44 As =4.57 As(r)=4.46	Mu=22.80 As =5.97 As(r)=4.46	Mu=15.86 As =4.57 As(r)=4.46
Vu=53.42		Vu=85.93	Vu=-84.42		Vu=84.44	Vu=-58.39		Vu=45.15

B=0.30 H=0.50 L=2.45		
Mu=-50.26 As =5.97 As(r)=4.46	Mu=-45.36 As =5.97 As(r)=4.46	
Mu=22.99 As =4.57 As(r)=4.46	Mu=10.05 As =5.97 As(r)=4.46	Mu=35.30 As =4.57 As(r)=4.46
Vu=-53.98		Vu=45.59

## V101/PISO 1

B=0.30 H=0.50 L=2.35			B=0.30 H=0.50 L=7.85			B=0.30 H=0.50 L=5.10		
Mu=-1.93 As =1.49 As(r)=4.46	Mu=-130.58 As =9.51 As(r)=8.11		Mu=-55.96 As =9.51 As(r)=4.46	Mu=-279.78 As =21.46 As(r)=18.74		Mu=-8.65 As =21.46 As(r)=4.46	Mu=-1.73 As =5.97 As(r)=4.46	
Mu=0.00 As =1.49 As(r)=4.46	Mu=0.00 As =5.97 As(r)=4.46	Mu=26.12 As =5.97 As(r)=4.46	Mu=55.96 As =5.97 As(r)=4.72	Mu=115.30 As =7.96 As(r)=7.87	Mu=93.26 As =8.22 As(r)=5.69	Mu=2.88 As =6.56 As(r)=4.46	Mu=1.96 As =6.47 As(r)=4.46	Mu=1.74 As =4.57 As(r)=4.46
Vu=32.49		Vu=72.53	Vu=-84.82		Vu=142.39	Vu=-7.32		Vu=2.05

NOTA: Se suministro 3#5 (5.98)pero el software reporta menos refuerzo (ver planos)

B=0.30 H=0.50 L=2.55		
Mu=-48.03 As =5.97 As(r)=4.46	Mu=-44.12 As =5.97 As(r)=4.46	
Mu=26.42 As =4.57 As(r)=4.46	Mu=11.22 As =5.97 As(r)=4.46	Mu=21.51 As =4.57 As(r)=4.46
Vu=-47.68		Vu=51.17



## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V102/PISO 1

NOTA: Se suministro 4#4 (5.08)pero el software reporta menos refuerzo (ver planos)

B=0.30 H=0.50 L=2.35			B=0.30 H=0.50 L=7.86			B=0.25 H=0.50 L=5.10		
Mu=-1.78 As =1.29 As(r)=4.46	Mu=-0.92 As =5.16 As(r)=4.46	Mu=-2.73 As =5.16 As(r)=4.46	Mu=-10.46 As =5.16 As(r)=4.46	Mu=-7.75 As =5.16 As(r)=3.71	Mu=-5.19 As =3.87 As(r)=3.71			
Mu=0.92 As =3.40 As(r)=4.46	Mu=0.92 As =5.86 As(r)=4.46	Mu=4.62 As =5.86 As(r)=4.46	Mu=6.76 As =5.86 As(r)=4.46	Mu=2.73 As =5.86 As(r)=4.46	Mu=13.66 As =8.44 As(r)=4.46	Mu=3.92 As =7.47 As(r)=3.71	Mu=2.93 As =5.86 As(r)=3.71	Mu=1.73 As =3.87 As(r)=3.71
Vu=-4.27	Vu=-1.91	Vu=2.88	Vu=5.49	Vu=-9.30	Vu=7.64			

NOTA: Se suministro 1#5+3#4 (5.8)pero el software reporta menos refuerzo (ver planos)

B=0.25 H=0.50 L=2.55			B=0.25 H=0.50 L=1.25		
Mu=-10.16 As =3.87 As(r)=3.71	Mu=-8.88 As =3.87 As(r)=3.71	Mu=-2.42 As =3.87 As(r)=3.71	Mu=-0.48 As =3.87 As(r)=3.71		
Mu=11.04 As =3.87 As(r)=3.71	Mu=2.21 As =5.86 As(r)=3.71	Mu=4.95 As =3.87 As(r)=3.71	Mu=0.85 As =3.87 As(r)=3.71	Mu=1.98 As =5.86 As(r)=3.71	Mu=0.85 As =3.87 As(r)=3.71
Vu=-5.34	Vu=6.64	Vu=-3.15	Vu=2.83		

## V103/PISO 1

B=0.40 H=0.50 L=0.25			B=0.40 H=0.50 L=5.20			B=0.40 H=0.50 L=2.30		
Mu=-0.00 As =22.10 As(r)=5.94	Mu=-14.06 As =29.47 As(r)=5.94	Mu=-407.02 As =29.47 As(r)=27.69	Mu=-81.40 As =15.30 As(r)=5.94	Mu=-93.24 As =16.46 As(r)=5.94	Mu=-466.22 As =34.00 As(r)=32.63			
Mu=4.94 As =8.52 As(r)=5.94	Mu=0.00 As =8.52 As(r)=5.94	Mu=2.81 As =11.36 As(r)=5.94	Mu=135.67 As =11.36 As(r)=8.31	Mu=113.56 As =15.47 As(r)=9.72	Mu=227.62 As =16.26 As(r)=14.40	Mu=227.62 As =16.26 As(r)=14.40	Mu=168.19 As =11.36 As(r)=12.48	Mu=155.41 As =13.42 As(r)=9.59
Vu=39.07	Vu=46.96	Vu=-259.51	Vu=-29.51	Vu=-29.51	Vu=312.68			

NOTA: Se suministro 2#6+2#7 (13.42)pero el software reporta menos refuerzo (ver planos)

B=0.40 H=0.50 L=0.25		
Mu=-93.24 As =34.00 As(r)=5.94	Mu=-466.22 As =34.00 As(r)=32.63	
Mu=227.62 As =13.42 As(r)=14.40	Mu=168.19 As =11.36 As(r)=12.48	Mu=93.24 As =13.42 As(r)=5.94
Vu=-29.51	Vu=312.68	

**DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1****V104/PISO 1**

B=0.40 H=0.50 L=0.25			B=0.40 H=0.50 L=5.20			B=0.40 H=0.50 L=2.62		
Mu=-0.00 As =10.23 As(r)=5.94	Mu=-18.42 As =13.64 As(r)=5.94	Mu=-206.52 As =13.64 As(r)=12.97	Mu=-220.53 As =15.48 As(r)=13.91	Mu=-8.13 As =15.48 As(r)=5.94	Mu=-7.93 As =7.96 As(r)=5.94			
Mu=0.25 As =5.97 As(r)=5.94	Mu=0.00 As =5.97 As(r)=5.94	Mu=3.68 As =7.96 As(r)=5.94	Mu=68.84 As =7.96 As(r)=5.94	Mu=118.83 As =7.96 As(r)=7.27	Mu=73.51 As =7.96 As(r)=5.94	Mu=2.71 As =7.96 As(r)=5.94	Mu=6.02 As =7.96 As(r)=5.94	Mu=6.17 As =6.56 As(r)=5.94
Vu=42.64	Vu=50.52	Vu=-184.85	Vu=179.40	Vu=-8.42	Vu=9.79			

**V105/PISO 1**

B=0.30 H=0.50 L=0.35			B=0.30 H=0.50 L=5.20			B=0.30 H=0.50 L=2.90		
Mu=-0.49 As =5.97 As(r)=4.46	Mu=-12.74 As =7.96 As(r)=4.46	Mu=-126.99 As =7.96 As(r)=7.87	Mu=-114.98 As =7.96 As(r)=7.09	Mu=-56.92 As =7.96 As(r)=4.46	Mu=-11.38 As =5.97 As(r)=4.46			
Mu=0.00 As =3.87 As(r)=4.46	Mu=0.00 As =5.16 As(r)=4.46	Mu=2.55 As =5.16 As(r)=4.46	Mu=42.33 As =5.16 As(r)=4.46	Mu=81.89 As =5.16 As(r)=4.98	Mu=38.33 As =6.23 As(r)=4.46	Mu=18.97 As =5.16 As(r)=4.46	Mu=11.38 As =5.16 As(r)=4.46	Mu=11.38 As =5.16 As(r)=4.46
Vu=23.97	Vu=30.83	Vu=-123.13	Vu=112.18	Vu=-45.04	Vu=6.56			

NOTA: Se suministro 4#4 (5.08)pero el software  
reporta menos refuerzo (ver planos)

**V106/PISO 1**

B=0.30 H=0.50 L=0.35			B=0.30 H=0.50 L=5.50		
Mu=-0.71 As =3.87 As(r)=4.46	Mu=-0.71 As =5.16 As(r)=4.46	Mu=-1.19 As =5.16 As(r)=4.46	Mu=-3.76 As =5.16 As(r)=4.46		
Mu=0.71 As =3.87 As(r)=4.46	Mu=1.70 As =5.16 As(r)=4.46	Mu=3.53 As =5.16 As(r)=4.46	Mu=5.57 As =5.16 As(r)=4.46	Mu=1.19 As =5.16 As(r)=4.46	Mu=2.42 As =5.16 As(r)=4.46
Vu=-11.33	Vu=-7.09	Vu=-2.31	Vu=6.16		

NOTA: Se suministro 4#4 (5.08)pero el software  
reporta menos refuerzo (ver planos)

**V107/PISO 1**

B=0.30 H=0.50 L=2.42		
Mu=-1.75 As =5.16 As(r)=4.46	Mu=-1.66 As =5.16 As(r)=4.46	
Mu=1.34 As =5.16 As(r)=4.46	Mu=1.23 As =5.16 As(r)=4.46	Mu=0.55 As =5.16 As(r)=4.46
Vu=-5.75		Vu=5.18

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

NOTA: Se suministro 2#6+1#5 (7.68)pero el software reporta menos refuerzo (ver planos)

## V200/PISO 2

B=0.30 H=0.50 L=2.38			B=0.30 H=0.50 L=7.90			B=0.30 H=0.50 L=4.95		
Mu=-0.00 As =1.92 As(r)=4.46		Mu=-193.42 As =12.98 As(r)=12.37	Mu=-122.67 As =12.98 As(r)=7.59		Mu=-121.18 As =7.96 As(r)=7.49	Mu=-73.37 As =7.96 As(r)=4.46		Mu=-57.85 As =5.97 As(r)=4.46
Mu=31.58 As =1.14 As(r)=4.46	Mu=0.00 As =4.57 As(r)=4.46	Mu=38.68 As =4.57 As(r)=4.46	Mu=40.89 As =4.57 As(r)=4.46	Mu=55.75 As =4.57 As(r)=4.46	Mu=40.39 As =4.57 As(r)=4.46	Mu=24.46 As =4.57 As(r)=4.46	Mu=23.14 As =4.74 As(r)=4.46	Mu=23.14 As =4.57 As(r)=4.46
Vu=85.79		Vu=114.48	Vu=-74.60		Vu=74.82	Vu=-52.95		Vu=49.70

NOTA: Se suministro 2#4+1#5 (4.54)pero el software reporta menos refuerzo (ver planos)

B=0.30 H=0.50 L=2.45			B=0.30 H=0.50 L=5.40		
Mu=-36.35 As =5.97 As(r)=4.46		Mu=-76.39 As =5.97 As(r)=4.63	Mu=-56.98 As =5.97 As(r)=4.46		Mu=-79.80 As =5.97 As(r)=4.84
Mu=28.29 As =4.57 As(r)=4.46	Mu=15.28 As =7.15 As(r)=4.46	Mu=25.46 As =4.57 As(r)=4.46	Mu=18.99 As =4.57 As(r)=4.46	Mu=35.86 As =4.74 As(r)=4.46	Mu=26.60 As =4.57 As(r)=4.46
Vu=-39.27		Vu=72.68	Vu=-54.12		Vu=59.62

## V201/PISO 2

B=0.30 H=0.50 L=5.05			B=0.30 H=0.50 L=2.57			B=0.30 H=0.50 L=5.40		
Mu=-5.61 As =5.16 As(r)=4.46		Mu=-3.61 As =8.60 As(r)=4.46	Mu=-18.84 As =5.16 As(r)=4.46		Mu=-94.21 As =7.45 As(r)=5.76	Mu=-51.16 As =7.45 As(r)=4.46		Mu=-85.92 As =7.45 As(r)=5.23
Mu=2.90 As =4.57 As(r)=4.46	Mu=4.15 As =4.57 As(r)=4.46	Mu=2.75 As =4.57 As(r)=4.46	Mu=18.84 As =4.57 As(r)=4.46	Mu=46.33 As =4.57 As(r)=4.46	Mu=31.40 As =4.57 As(r)=4.46	Mu=17.18 As =4.57 As(r)=4.46	Mu=43.47 As =4.57 As(r)=4.46	Mu=28.64 As =4.57 As(r)=4.46
Vu=-6.15		Vu=5.64	Vu=6.79		Vu=84.63	Vu=-59.71		Vu=70.25

NOTA: Se suministro 3#6+1#5 (8.52)pero el software reporta menos refuerzo (ver planos)

## V202/PISO 2

B=0.30 H=0.50 L=2.38			B=0.30 H=0.50 L=7.90			B=0.25 H=0.50 L=5.45		
Mu=-0.44 As =2.13 As(r)=4.46		Mu=-177.81 As =12.06 As(r)=11.29	Mu=-86.77 As =12.06 As(r)=5.28		Mu=-93.10 As =7.26 As(r)=5.68	Mu=-3.37 As =7.26 As(r)=3.71		Mu=-2.41 As =3.87 As(r)=3.71
Mu=1.55 As =1.29 As(r)=4.46	Mu=0.00 As =5.16 As(r)=4.46	Mu=35.56 As =6.66 As(r)=4.46	Mu=28.92 As =5.16 As(r)=4.46	Mu=42.29 As =5.27 As(r)=4.46	Mu=31.03 As =6.66 As(r)=4.46	Mu=1.12 As =5.16 As(r)=3.71	Mu=1.05 As =5.16 As(r)=3.71	Mu=0.80 As =3.87 As(r)=3.71
Vu=69.36		Vu=90.16	Vu=-52.96		Vu=53.09	Vu=-4.57		Vu=3.60

NOTA: Se suministro 4#4 (5.08)pero el software reporta menos refuerzo (ver planos)

B=0.25 H=0.50 L=2.56			B=0.25 H=0.50 L=5.50		
Mu=-45.11 As =3.87 As(r)=3.71		Mu=-33.55 As =3.87 As(r)=3.71	Mu=-9.64 As =3.87 As(r)=3.71		Mu=-48.07 As =3.87 As(r)=3.71
Mu=15.04 As =3.87 As(r)=3.71	Mu=9.02 As =6.66 As(r)=3.71	Mu=11.18 As =3.87 As(r)=3.71	Mu=9.61 As =3.87 As(r)=3.71	Mu=22.13 As =7.74 As(r)=3.71	Mu=16.02 As =3.87 As(r)=3.71
Vu=-34.58		Vu=33.47	Vu=-21.08		Vu=35.47

# DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

NOTA: Se suministro 6#7+2#5 (27.2)pero el software reporta menos refuerzo (ver planos)

## V203/PISO 2

B=0.40 H=0.50 L=0.28			B=0.40 H=0.50 L=7.80			B=0.40 H=0.50 L=0.28		
Mu=-375.85 As =6.69 As(r)=25.21		Mu=-365.34 As =26.76 As(r)=24.40	Mu=-375.85 As =26.76 As(r)=25.21		Mu=-365.34 As =26.76 As(r)=24.40	Mu=-9.15 As =26.76 As(r)=5.94		Mu=-0.00 As =20.07 As(r)=5.94
Mu=125.28 As =2.32 As(r)=7.65	Mu=179.56 As =6.97 As(r)=11.17	Mu=121.78 As =11.94 As(r)=7.43	Mu=125.28 As =11.94 As(r)=7.65	Mu=179.56 As =11.94 As(r)=11.17	Mu=121.78 As =7.96 As(r)=7.43	Mu=1.83 As =7.96 As(r)=5.94	Mu=3.11 As =11.94 As(r)=5.94	Mu=6.83 As =5.97 As(r)=5.94
Vu=224.47		Vu=-212.46	Vu=224.47		Vu=-212.46	Vu=36.91		Vu=30.12

NOTA: Se suministro 6#5 (12 )pero el software reporta menos refuerzo (ver planos)

## V204/PISO 2

B=0.40 H=0.50 L=0.28			B=0.40 H=0.50 L=5.79			B=0.40 H=0.50 L=2.56		
Mu=-0.27 As =3.37 As(r)=5.94		Mu=-16.92 As =13.49 As(r)=5.94	Mu=-197.32 As =13.49 As(r)=12.35		Mu=-221.96 As =15.00 As(r)=14.01	Mu=-5.18 As =13.59 As(r)=5.94		Mu=-3.46 As =5.97 As(r)=5.94
Mu=0.19 As =1.64 As(r)=5.94	Mu=0.00 As =4.92 As(r)=5.94	Mu=3.38 As =6.56 As(r)=5.94	Mu=65.77 As =6.56 As(r)=5.94	Mu=94.26 As =6.56 As(r)=5.94	Mu=73.99 As =6.56 As(r)=5.94	Mu=1.73 As =9.55 As(r)=5.94	Mu=2.81 As =6.56 As(r)=5.94	Mu=2.81 As =6.56 As(r)=5.94
Vu=38.99		Vu=45.39	Vu=-158.26		Vu=176.32	Vu=-8.73		Vu=6.59

NOTA: Se suministro 7#5 (14 )

## V205/PISO 2

NOTA: Se suministro 2#4+2#5 (6.52 )

B=0.30 H=0.50 L=0.38			B=0.30 H=0.50 L=5.25			B=0.30 H=0.50 L=2.87		
Mu=-1.60 As =1.29 As(r)=4.46		Mu=-17.03 As =6.50 As(r)=4.46	Mu=-96.40 As =7.45 As(r)=5.89		Mu=-70.21 As =5.16 As(r)=4.46	Mu=-41.04 As =5.16 As(r)=4.46		Mu=-81.89 As =5.59 As(r)=4.98
Mu=0.00 As =1.29 As(r)=4.46	Mu=0.00 As =5.16 As(r)=4.46	Mu=3.41 As =5.16 As(r)=4.46	Mu=32.13 As =5.16 As(r)=4.46	Mu=26.57 As =5.16 As(r)=4.46	Mu=25.11 As =6.66 As(r)=4.46	Mu=38.01 As =6.23 As(r)=4.46	Mu=16.38 As =5.16 As(r)=4.46	Mu=27.30 As =5.16 As(r)=4.46
Vu=31.33		Vu=37.23	Vu=-69.74		Vu=52.23	Vu=-33.22		Vu=57.91

NOTA: Se suministro 4#4 (5.08 )

B=0.30 H=0.50 L=4.00		
Mu=-90.49 As =9.46 As(r)=5.52		Mu=-14.11 As =7.45 As(r)=4.46
Mu=18.10 As =5.16 As(r)=4.46	Mu=0.00 As =5.16 As(r)=4.46	Mu=0.00 As =5.16 As(r)=4.46
Vu=-51.29		Vu=-31.89

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V206/PISO 2

B=0.30 H=0.50 L=3.20			B=0.30 H=0.50 L=5.50			B=0.30 H=0.50 L=2.40		
Mu=-0.34 As =6.39 As(r)=4.46	Mu=-103.24 As =18.93 As(r)=6.33		Mu=-259.55 As =18.93 As(r)=17.19	Mu=-295.89 As =21.46 As(r)=20.01		Mu=-161.62 As =21.46 As(r)=10.18	Mu=-32.32 As =5.97 As(r)=4.46	
Mu=0.00 As =4.92 As(r)=4.46	Mu=0.00 As =6.56 As(r)=4.46	Mu=20.65 As =8.59 As(r)=4.46	Mu=86.52 As =8.26 As(r)=8.03	Mu=169.22 As =9.43 As(r)=13.39	Mu=98.63 As =9.66 As(r)=8.03	Mu=53.87 As =9.66 As(r)=4.46	Mu=32.32 As =6.56 As(r)=4.46	Mu=58.35 As =6.56 As(r)=4.46
Vu=9.67	Vu=88.35		Vu=-184.88	Vu=235.67		Vu=-123.08	Vu=-40.85	

NOTA: Se suministro 6#6 (17.04 )

B=0.30 H=0.50 L=1.75			B=0.30 H=0.50 L=1.77		
Mu=-27.23 As =5.97 As(r)=4.46	Mu=-136.14 As =8.81 As(r)=8.47		Mu=-123.13 As =8.81 As(r)=7.62	Mu=-2.12 As =5.97 As(r)=4.46	
Mu=56.96 As =6.56 As(r)=4.46	Mu=27.23 As =6.56 As(r)=4.46	Mu=45.38 As =6.56 As(r)=4.46	Mu=24.63 As =6.56 As(r)=4.46	Mu=0.00 As =6.56 As(r)=4.46	Mu=1.58 As =6.56 As(r)=4.46
Vu=56.17	Vu=103.28		Vu=-86.44	Vu=-59.61	

## V207/PISO 2

B=0.40 H=0.50 L=0.38			B=0.40 H=0.50 L=5.50			B=0.40 H=0.50 L=2.40		
Mu=-0.80 As =4.48 As(r)=5.94	Mu=-0.79 As =5.97 As(r)=5.94		Mu=-12.48 As =5.97 As(r)=5.94	Mu=-4.12 As =5.97 As(r)=5.94		Mu=-25.63 As =5.97 As(r)=5.94	Mu=-128.16 As =7.96 As(r)=7.84	
Mu=0.78 As =4.92 As(r)=5.94	Mu=1.85 As =6.56 As(r)=5.94	Mu=3.88 As =6.56 As(r)=5.94	Mu=17.52 As =6.56 As(r)=5.94	Mu=4.12 As =6.56 As(r)=5.94	Mu=20.62 As =6.56 As(r)=5.94	Mu=25.63 As =8.92 As(r)=5.94	Mu=25.63 As =6.56 As(r)=5.94	Mu=42.72 As =6.56 As(r)=5.94
Vu=-12.99	Vu=-7.73		Vu=-13.85	Vu=-16.10		Vu=40.08	Vu=87.33	

NOTA: Se suministro 2#4+2#5 (6.52 )

NOTA: Se suministro 3#5 (6)

**DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1****V301/PISO 3**

B=0.30 H=0.50 L=5.05			B=0.30 H=0.50 L=2.58			B=0.30 H=0.50 L=5.40		
Mu=-5.95 As =5.16 As(r)=4.46	Mu=-6.80 As =7.45 As(r)=4.46	Mu=-21.78 As =7.45 As(r)=4.46	Mu=-49.06 As =7.45 As(r)=4.46	Mu=-24.30 As =5.16 As(r)=4.46	Mu=-39.09 As =5.16 As(r)=4.46			
Mu=4.00 As =5.97 As(r)=4.46	Mu=2.52 As =5.97 As(r)=4.46	Mu=2.81 As =5.97 As(r)=4.46	Mu=21.78 As =5.97 As(r)=4.46	Mu=46.43 As =5.97 As(r)=4.46	Mu=108.89 As =7.96 As(r)=6.69	Mu=13.20 As =7.96 As(r)=4.46	Mu=7.82 As =5.97 As(r)=4.46	Mu=13.03 As =4.57 As(r)=4.46
Vu=-8.51	Vu=8.94	Vu=9.92	Vu=-80.43	Vu=-16.95	Vu=21.24			

B=0.30 H=0.50 L=5.40			B=0.30 H=0.50 L=5.40			B=0.30 H=0.50 L=5.40		
Mu=-33.80 As =5.16 As(r)=4.46	Mu=-46.99 As =5.16 As(r)=4.46	Mu=-50.32 As =5.16 As(r)=4.46	Mu=-50.65 As =5.16 As(r)=4.46	Mu=-50.69 As =5.16 As(r)=4.46	Mu=-49.59 As =5.16 As(r)=4.46			
Mu=23.51 As =5.40 As(r)=4.46	Mu=9.40 As =5.97 As(r)=4.46	Mu=23.59 As =4.57 As(r)=4.46	Mu=31.60 As =4.74 As(r)=4.46	Mu=10.13 As =5.97 As(r)=4.46	Mu=31.86 As =4.57 As(r)=4.46	Mu=31.86 As =4.57 As(r)=4.46	Mu=10.14 As =5.97 As(r)=4.46	Mu=32.38 As =4.57 As(r)=4.46
Vu=-21.62	Vu=24.54	Vu=-26.38	Vu=26.42	Vu=-26.60	Vu=26.27			

B=0.30 H=0.50 L=5.30		
Mu=-50.36 As =5.16 As(r)=4.46	Mu=-62.87 As =5.16 As(r)=4.46	
Mu=38.06 As =4.74 As(r)=4.46	Mu=12.57 As =5.97 As(r)=4.46	Mu=35.81 As =4.57 As(r)=4.46
Vu=-26.89	Vu=30.07	

**V302/PISO 3**

B=0.25 H=0.50 L=5.45			B=0.25 H=0.50 L=2.60		
Mu=-4.80 As =3.87 As(r)=3.71	Mu=-3.30 As =3.87 As(r)=3.71	Mu=-62.34 As =3.87 As(r)=3.78	Mu=-15.71 As =3.87 As(r)=3.71		
Mu=2.70 As =3.87 As(r)=3.71	Mu=0.96 As =3.87 As(r)=3.71	Mu=1.31 As =3.87 As(r)=3.71	Mu=20.78 As =3.87 As(r)=3.71	Mu=12.47 As =3.87 As(r)=3.71	Mu=16.01 As =2.90 As(r)=3.71
Vu=-7.20	Vu=6.00	Vu=-31.55	Vu=-22.62		

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V303/PISO 3

B=0.30 H=0.50 L=2.90		
Mu=-3.49 As =5.16 As(r)=4.46	Mu=-4.74 As =5.16 As(r)=4.46	
Mu=3.22 As =5.16 As(r)=4.46	Mu=3.22 As =5.16 As(r)=4.46	Mu=2.31 As =5.16 As(r)=4.46
Vu=-7.87	Vu=8.30	

## V304/PISO 3

B=0.30 H=0.50 L=0.38			B=0.30 H=0.50 L=5.22			B=0.30 H=0.50 L=2.88		
Mu=-0.00 As =6.61 As(r)=4.46	Mu=-6.65 As =8.81 As(r)=4.46		Mu=-115.60 As =8.81 As(r)=7.13	Mu=-97.83 As =7.45 As(r)=5.99		Mu=-98.47 As =7.45 As(r)=6.03	Mu=-109.08 As =7.45 As(r)=6.71	
Mu=5.51 As =3.43 As(r)=4.46	Mu=4.56 As =4.57 As(r)=4.46	Mu=3.57 As =4.57 As(r)=4.46	Mu=53.71 As =4.57 As(r)=4.46	Mu=50.09 As =4.57 As(r)=4.46	Mu=32.61 As =4.74 As(r)=4.46	Mu=41.06 As =4.57 As(r)=4.46	Mu=21.82 As =4.57 As(r)=4.46	Mu=51.03 As =4.57 As(r)=4.46
Vu=17.09	Vu=25.86		Vu=-77.69	Vu=79.32		Vu=-73.30	Vu=68.84	

NOTA: Se suministro 2#4+1#5 (4.52 )

B=0.30 H=0.50 L=4.00		
Mu=-102.00 As =7.45 As(r)=6.25	Mu=-13.87 As =5.16 As(r)=4.46	
Mu=20.40 As =4.57 As(r)=4.46	Mu=0.00 As =4.57 As(r)=4.46	Mu=2.46 As =4.57 As(r)=4.46
Vu=-67.64	Vu=-29.97	

## V305/PISO 3

B=0.30 H=0.50 L=0.38			B=0.30 H=0.50 L=5.50			B=0.30 H=0.50 L=2.40		
Mu=-0.00 As =11.65 As(r)=4.46	Mu=-7.10 As =15.53 As(r)=4.46		Mu=-213.73 As =15.53 As(r)=13.81	Mu=-228.20 As =16.38 As(r)=14.86		Mu=-177.67 As =16.38 As(r)=11.28	Mu=-35.53 As =5.97 As(r)=4.46	
Mu=0.56 As =4.48 As(r)=4.46	Mu=0.00 As =5.97 As(r)=4.46	Mu=1.42 As =5.97 As(r)=4.46	Mu=71.24 As =5.97 As(r)=4.46	Mu=76.07 As =6.14 As(r)=4.61	Mu=80.68 As =5.97 As(r)=4.90	Mu=68.32 As =5.97 As(r)=4.46	Mu=39.31 As =5.97 As(r)=4.46	
Vu=6.76	Vu=26.68		Vu=-158.69	Vu=166.40		Vu=-137.09	Vu=54.23	

B=0.30 H=0.50 L=1.75			B=0.30 H=0.50 L=1.78		
Mu=-35.35 As =5.97 As(r)=4.46	Mu=-176.76 As =12.35 As(r)=11.21		Mu=-118.80 As =12.35 As(r)=7.34	Mu=-3.61 As =5.97 As(r)=4.46	
Mu=40.67 As =5.97 As(r)=4.46	Mu=54.08 As =5.97 As(r)=4.46	Mu=60.33 As =5.97 As(r)=4.46	Mu=23.76 As =5.97 As(r)=4.46	Mu=0.00 As =5.97 As(r)=4.46	Mu=1.83 As =5.97 As(r)=4.46
Vu=68.93	Vu=122.74		Vu=-92.34	Vu=-47.65	

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V306( EJE4)/PISO 3

B=0.40 H=0.50 L=0.38			B=0.40 H=0.50 L=5.50			B=0.40 H=0.50 L=2.35		
Mu=-0.27 As =24.42 As(r)=5.94			Mu=-14.14 As =32.56 As(r)=5.94			Mu=-349.54 As =32.56 As(r)=23.18		
Mu=-0.10 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-405.87 As =43.81 As(r)=27.59		
Mu=0.10 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-171.09 As =34.56 As(r)=10.61		
Mu=0.10 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-0.86 As =11.61 As(r)=5.94		
Mu=0.10 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=2.37 As =13.42 As(r)=5.94		
Vu=15.61			Vu=46.72			Vu=-249.19		
Vu=15.61			Vu=46.72			Vu=268.79		
Vu=15.61			Vu=46.72			Vu=-139.95		
Vu=15.61			Vu=46.72			Vu=-19.50		

## V306(EJE5)/PISO 3

B=0.40 H=0.50 L=0.38			B=0.40 H=0.50 L=5.50			B=0.40 H=0.50 L=2.35		
Mu=-0.09 As =24.42 As(r)=5.94			Mu=-13.93 As =32.56 As(r)=5.94			Mu=-396.81 As =32.56 As(r)=26.87		
Mu=-0.01 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-465.11 As =43.81 As(r)=32.53		
Mu=0.01 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-171.54 As =34.56 As(r)=10.64		
Mu=0.01 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-0.23 As =15.48 As(r)=5.94		
Mu=0.01 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=0.24 As =13.42 As(r)=5.94		
Vu=14.92			Vu=46.76			Vu=-269.27		
Vu=14.92			Vu=46.76			Vu=292.59		
Vu=14.92			Vu=46.76			Vu=-139.66		
Vu=14.92			Vu=46.76			Vu=-14.90		

## V306(EJE6)/PISO 3

B=0.40 H=0.50 L=0.38			B=0.40 H=0.50 L=5.50			B=0.40 H=0.50 L=2.35		
Mu=-0.07 As =24.42 As(r)=5.94			Mu=-12.57 As =32.56 As(r)=5.94			Mu=-455.60 As =32.56 As(r)=31.71		
Mu=-0.13 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-530.28 As =43.81 As(r)=41.41		
Mu=0.13 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-168.19 As =34.98 As(r)=10.42		
Mu=0.13 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=-0.05 As =15.48 As(r)=5.94		
Mu=0.13 As =13.05 As(r)=5.94			Mu=0.00 As =17.40 As(r)=5.94			Mu=0.06 As =13.42 As(r)=5.94		
Vu=14.63			Vu=44.71			Vu=-290.56		
Vu=14.63			Vu=44.71			Vu=316.45		
Vu=14.63			Vu=44.71			Vu=-138.30		
Vu=14.63			Vu=44.71			Vu=-14.79		



## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

### V307/PISO 3

B=0.60 H=0.50 L=0.35			B=0.60 H=0.50 L=5.35			B=0.60 H=0.50 L=2.20		
Mu=-0.04 As =26.74 As(r)=8.91	Mu=-0.83 As =35.65 As(r)=8.91	Mu=-49.65 As =35.65 As(r)=32.68	Mu=-57.97 As =40.92 As(r)=39.06	Mu=-9.04 As =39.84 As(r)=8.91	Mu=-0.07 As =11.48 As(r)=8.91			
Mu=0.05 As =20.83 As(r)=8.91	Mu=0.03 As =27.77 As(r)=8.91	Mu=0.17 As =27.77 As(r)=8.91	Mu=41.98 As =27.77 As(r)=27.07	Mu=11.59 As =19.88 As(r)=8.91	Mu=37.13 As =24.93 As(r)=23.66	Mu=1.81 As =24.93 As(r)=8.91	Mu=0.00 As =32.07 As(r)=8.91	Mu=0.02 As =17.04 As(r)=8.91
Vu=1.27	Vu=2.69	Vu=-24.83	Vu=27.89	Vu=-7.51	Vu=-0.85			

### V400/PISO 3A

B=0.30 H=0.50 L=2.38			B=0.30 H=0.50 L=7.90		
Mu=-0.00 As =1.49 As(r)=4.46	Mu=-15.22 As =11.28 As(r)=9.54	Mu=-12.55 As =11.28 As(r)=7.77	Mu=-10.03 As =7.96 As(r)=6.14		
Mu=0.91 As =1.14 As(r)=4.46	Mu=0.00 As =4.57 As(r)=4.46	Mu=3.04 As =4.57 As(r)=4.46	Mu=4.18 As =4.90 As(r)=4.46	Mu=7.10 As =5.97 As(r)=4.47	Mu=3.34 As =5.97 As(r)=4.46
Vu=5.98	Vu=8.48	Vu=-7.71	Vu=7.01		

NOTA: Se suministro 3#5 (6 )

NOTA: Se suministro 2#4+1#5 (4.52 )

### V402/PISO 3A

B=0.40 H=0.50 L=0.28			B=0.40 H=0.50 L=7.80			B=0.40 H=0.50 L=0.25		
Mu=-0.00 As =16.75 As(r)=5.94	Mu=-1.22 As =22.34 As(r)=5.94	Mu=-31.79 As =22.34 As(r)=20.82	Mu=-32.10 As =22.34 As(r)=21.04	Mu=-31.79 As =22.34 As(r)=20.82	Mu=-32.10 As =16.75 As(r)=21.04			
Mu=0.69 As =9.94 As(r)=5.94	Mu=0.20 As =9.94 As(r)=5.94	Mu=0.24 As =11.36 As(r)=5.94	Mu=10.60 As =11.36 As(r)=6.94	Mu=18.56 As =13.35 As(r)=11.56	Mu=10.70 As =11.36 As(r)=6.94	Mu=10.60 As =11.36 As(r)=6.94	Mu=18.56 As =11.36 As(r)=11.56	Mu=6.42 As =8.52 As(r)=6.94
Vu=3.71	Vu=4.33	Vu=-19.16	Vu=20.04	Vu=-19.16	Vu=20.04			

### V403/PISO 3A

B=0.30 H=0.50 L=0.23			B=0.30 H=0.50 L=5.25			B=0.30 H=0.50 L=2.95		
Mu=-0.02 As =7.88 As(r)=4.46	Mu=-1.08 As =10.51 As(r)=4.46	Mu=-16.05 As =10.51 As(r)=10.11	Mu=-23.24 As =16.09 As(r)=15.16	Mu=-1.36 As =16.09 As(r)=4.46	Mu=-0.44 As =5.97 As(r)=4.46			
Mu=0.08 As =4.48 As(r)=4.46	Mu=0.00 As =1.49 As(r)=4.46	Mu=0.22 As =5.97 As(r)=4.46	Mu=5.35 As =5.97 As(r)=4.46	Mu=9.67 As =5.97 As(r)=5.92	Mu=7.75 As =5.97 As(r)=4.70	Mu=0.45 As =5.97 As(r)=4.46	Mu=0.35 As =7.96 As(r)=4.46	Mu=0.49 As =5.97 As(r)=4.46
Vu=2.04	Vu=3.32	Vu=-15.25	Vu=18.58	Vu=-1.21	Vu=0.92			

NOTA: Se suministro 1#4+2#5 (5.27 )

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V501/CUB

B=0.30 H=0.50 L=7.97			B=0.30 H=0.50 L=5.40			B=0.30 H=0.50 L=5.40		
Mu=-14.87 As =5.16 As(r)=4.46	Mu=-74.09 As =5.16 As(r)=4.49	Mu=-42.60 As =5.16 As(r)=4.46	Mu=-87.27 As =7.45 As(r)=5.32	Mu=-80.12 As =7.45 As(r)=4.86	Mu=-76.29 As =5.16 As(r)=4.62			
Mu=14.87 As =4.57 As(r)=4.46	Mu=14.87 As =4.57 As(r)=4.46	Mu=41.03 As =4.57 As(r)=4.46	Mu=17.45 As =4.57 As(r)=4.46	Mu=43.63 As =4.57 As(r)=4.46	Mu=29.09 As =4.57 As(r)=4.46	Mu=26.71 As =4.57 As(r)=4.46	Mu=33.91 As =4.57 As(r)=4.46	Mu=25.43 As =4.57 As(r)=4.46
Vu=-8.12	Vu=59.42	Vu=-59.13	Vu=74.90	Vu=-67.56	Vu=66.47			

B=0.30 H=0.50 L=5.35			B=0.30 H=0.50 L=5.35			B=0.30 H=0.50 L=2.70		
Mu=-74.62 As =5.16 As(r)=4.52	Mu=-76.89 As =5.16 As(r)=4.66	Mu=-77.26 As =5.16 As(r)=4.69	Mu=-77.02 As =5.16 As(r)=4.67	Mu=-82.90 As =5.16 As(r)=5.04	Mu=-16.58 As =5.16 As(r)=4.46			
Mu=24.87 As =4.57 As(r)=4.46	Mu=35.43 As =4.57 As(r)=4.46	Mu=25.63 As =4.57 As(r)=4.46	Mu=25.75 As =4.57 As(r)=4.46	Mu=35.19 As =4.57 As(r)=4.46	Mu=25.67 As =4.57 As(r)=4.46	Mu=27.63 As =4.57 As(r)=4.46	Mu=16.58 As =4.57 As(r)=4.46	Mu=29.25 As =4.57 As(r)=4.46
Vu=-66.73	Vu=67.30	Vu=-67.11	Vu=66.92	Vu=-73.96	Vu=-38.35			

B=0.30 H=0.50 L=2.45		
Mu=-9.61 As =5.16 As(r)=4.46	Mu=-48.07 As =5.16 As(r)=4.46	
Mu=31.55 As =4.57 As(r)=4.46	Mu=31.07 As =4.57 As(r)=4.46	Mu=16.02 As =4.57 As(r)=4.46
Vu=-20.14	Vu=45.65	

## V502/CUB

B=0.25 H=0.50 L=0.33			B=0.25 H=0.50 L=5.20			B=0.25 H=0.50 L=2.63		
Mu=-2.35 As =0.97 As(r)=3.71	Mu=-2.02 As =3.87 As(r)=3.71	Mu=-2.35 As =3.87 As(r)=3.71	Mu=-2.02 As =3.87 As(r)=3.71	Mu=-56.55 As =3.87 As(r)=3.71	Mu=-24.52 As =3.87 As(r)=3.71			
Mu=4.12 As =1.49 As(r)=3.71	Mu=1.04 As =4.48 As(r)=3.71	Mu=0.82 As =5.97 As(r)=3.71	Mu=4.12 As =5.97 As(r)=3.71	Mu=1.04 As =5.97 As(r)=3.71	Mu=0.82 As =5.97 As(r)=3.71	Mu=18.85 As =5.97 As(r)=3.71	Mu=11.31 As =6.80 As(r)=3.71	Mu=11.31 As =5.97 As(r)=3.71
Vu=-1.92	Vu=1.10	Vu=-1.92	Vu=1.10	Vu=-38.42	Vu=27.98			

NOTA: Se suministro 3#5 (6 )

NOTA: Se suministro 3#4 (3.81 )

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V503/CUB

B=0.30 H=0.50 L=2.50			B=0.30 H=0.50 L=5.30			B=0.30 H=0.50 L=5.30		
Mu=-12.61 As =5.16 As(r)=4.46		Mu=-63.03 As =5.16 As(r)=4.46	Mu=-46.69 As =5.16 As(r)=4.46		Mu=-41.38 As =5.16 As(r)=4.46	Mu=-46.66 As =5.16 As(r)=4.46		Mu=-43.94 As =5.16 As(r)=4.46
Mu=12.61 As =4.57 As(r)=4.46	Mu=12.61 As =4.57 As(r)=4.46	Mu=21.01 As =4.57 As(r)=4.46	Mu=15.56 As =4.57 As(r)=4.46	Mu=17.98 As =4.57 As(r)=4.46	Mu=13.79 As =5.16 As(r)=4.46	Mu=15.55 As =5.16 As(r)=4.46	Mu=18.66 As =4.57 As(r)=4.46	Mu=14.65 As =5.16 As(r)=4.46
Vu=-16.42		Vu=52.03	Vu=-38.74		Vu=35.63	Vu=-37.60		Vu=36.77

B=0.30 H=0.50 L=5.30			B=0.30 H=0.50 L=5.30			B=0.30 H=0.50 L=2.20		
Mu=-46.47 As =5.16 As(r)=4.46		Mu=-41.62 As =5.16 As(r)=4.46	Mu=-42.74 As =5.16 As(r)=4.46		Mu=-55.82 As =5.16 As(r)=4.46	Mu=-72.28 As =5.16 As(r)=4.46		Mu=-0.00 As =5.16 As(r)=4.46
Mu=15.49 As =5.33 As(r)=4.46	Mu=19.60 As =4.57 As(r)=4.46	Mu=13.87 As =4.57 As(r)=4.46	Mu=15.71 As =4.74 As(r)=4.46	Mu=15.71 As =6.50 As(r)=4.46	Mu=18.61 As =4.57 As(r)=4.46	Mu=14.46 As =4.57 As(r)=4.46	Mu=0.00 As =4.57 As(r)=4.46	Mu=6.51 As =4.57 As(r)=4.46
Vu=-38.07		Vu=36.30	Vu=-35.04		Vu=39.63	Vu=-57.91		Vu=-32.99

## V504/CUB

B=0.30 H=0.50 L=0.33			B=0.30 H=0.50 L=5.50			B=0.30 H=0.50 L=4.40		
Mu=-0.20 As =2.07 As(r)=4.46		Mu=-7.55 As =8.26 As(r)=4.46	Mu=-127.21 As =8.26 As(r)=7.89		Mu=-141.75 As =9.51 As(r)=8.84	Mu=-109.56 As =9.51 As(r)=6.74		Mu=-137.15 As =9.55 As(r)=8.54
Mu=0.40 As =1.49 As(r)=4.46	Mu=0.00 As =4.48 As(r)=4.46	Mu=1.51 As =5.97 As(r)=4.46	Mu=42.40 As =5.97 As(r)=4.46	Mu=47.25 As =5.97 As(r)=4.46	Mu=47.25 As =4.57 As(r)=4.46	Mu=42.50 As =4.57 As(r)=4.46	Mu=33.48 As =5.97 As(r)=4.46	Mu=45.72 As =4.57 As(r)=4.46
Vu=14.27		Vu=18.60	Vu=-86.25		Vu=93.89	Vu=-88.65		Vu=88.33

NOTA: Se suministro 3#5+2#4 (8.51)

NOTA: Se suministro 3#5 (6.00)

B=0.30 H=0.50 L=1.88		
Mu=-133.38 As =9.55 As(r)=8.29		Mu=-0.00 As =4.48 As(r)=4.46
Mu=26.68 As =4.57 As(r)=4.46	Mu=0.00 As =5.97 As(r)=4.46	Mu=3.36 As =3.43 As(r)=4.46
Vu=-93.87		Vu=-66.12

**DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1****V505(EJE 4)/CUB**

B=0.40 H=0.50 L=0.34			B=0.40 H=0.50 L=5.50			B=0.40 H=0.50 L=4.40		
Mu=-0.18 As =4.45 As(r)=5.94	Mu=-18.19 As =17.81 As(r)=5.94	Mu=-221.20 As =17.81 As(r)=13.96	Mu=-245.82 As =19.80 As(r)=15.65	Mu=-156.11 As =19.80 As(r)=9.63	Mu=-156.71 As =10.51 As(r)=9.67			
Mu=0.04 As =1.99 As(r)=5.94	Mu=0.00 As =7.96 As(r)=5.94	Mu=3.64 As =7.96 As(r)=5.94	Mu=73.73 As =7.96 As(r)=5.94	Mu=91.73 As =9.95 As(r)=6.53	Mu=81.94 As =7.96 As(r)=5.94	Mu=52.04 As =7.96 As(r)=5.94	Mu=52.24 As =9.95 As(r)=5.94	Mu=52.24 As =7.96 As(r)=5.94
Vu=35.91	Vu=44.52	Vu=-156.17	Vu=169.64	Vu=-109.31	Vu=105.58			

B=0.40 H=0.50 L=1.88		
Mu=-141.16 As =10.51 As(r)=8.67	Mu=-0.68 As =6.39 As(r)=5.94	
Mu=28.23 As =7.96 As(r)=5.94	Mu=0.00 As =8.46 As(r)=5.94	Mu=0.00 As =7.96 As(r)=5.94
Vu=-98.95	Vu=-66.43	

**V505(EJE 5)/CUB**

B=0.40 H=0.50 L=0.34			B=0.40 H=0.50 L=5.50			B=0.40 H=0.50 L=4.40		
Mu=-0.14 As =4.45 As(r)=5.94	Mu=-16.22 As =17.81 As(r)=5.94	Mu=-261.40 As =17.81 As(r)=16.74	Mu=-290.71 As =19.80 As(r)=18.83	Mu=-170.35 As =19.80 As(r)=10.56	Mu=-151.26 As =10.51 As(r)=9.32			
Mu=0.05 As =1.49 As(r)=5.94	Mu=0.00 As =5.97 As(r)=5.94	Mu=3.24 As =5.97 As(r)=5.94	Mu=93.63 As =6.80 As(r)=6.48	Mu=96.90 As =7.96 As(r)=7.23	Mu=96.90 As =7.96 As(r)=5.94	Mu=56.78 As =7.96 As(r)=5.94	Mu=59.23 As =7.96 As(r)=5.94	Mu=50.42 As =7.96 As(r)=5.94
Vu=31.58	Vu=40.19	Vu=-170.45	Vu=186.58	Vu=-108.99	Vu=105.47			

B=0.40 H=0.50 L=1.88		
Mu=-140.80 As =10.51 As(r)=8.64	Mu=-0.03 As =6.39 As(r)=5.94	
Mu=28.16 As =7.96 As(r)=5.94	Mu=0.00 As =7.96 As(r)=5.94	Mu=0.27 As =6.97 As(r)=5.94
Vu=-99.17	Vu=-66.65	

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

NOTA: Se suministro 5#6 (14.2 )

## V505A/CUB

B=0.50 H=0.50 L=0.33			B=0.50 H=0.50 L=5.40			B=0.50 H=0.50 L=4.40		
Mu=-0.04 As =5.52 As(r)=7.43	Mu=-15.11 As =22.09 As(r)=7.43	Mu=-322.44 As =22.09 As(r)=20.62	Mu=-356.82 As =24.93 As(r)=23.06	Mu=-197.52 As =24.93 As(r)=12.20	Mu=-156.78 As =9.95 As(r)=9.58			
Mu=0.09 As =2.41 As(r)=7.43	Mu=0.00 As =7.24 As(r)=7.43	Mu=3.02 As =9.66 As(r)=7.43	Mu=159.05 As =9.66 As(r)=9.72	Mu=88.64 As =9.66 As(r)=7.85	Mu=118.94 As =9.95 As(r)=7.43	Mu=86.33 As =9.95 As(r)=7.43	Mu=81.39 As =9.66 As(r)=7.43	Mu=52.26 As =9.95 As(r)=7.43
Vu=31.57	Vu=39.70	Vu=-192.77	Vu=211.20	Vu=-114.69	Vu=114.04			

NOTA: Se suministro 2#5+2#6 (9.66 )

B=0.50 H=0.50 L=1.88		
Mu=-139.14 As =9.95 As(r)=8.46	Mu=-0.00 As =7.46 As(r)=7.43	
Mu=27.83 As =9.95 As(r)=7.43	Mu=0.00 As =9.66 As(r)=7.43	Mu=0.91 As =7.46 As(r)=7.43
Vu=-98.51	Vu=-65.99	

NOTA: Se suministro 9#6 (25.56 )

## V506/CUB

B=0.50 H=0.50 L=0.33			B=0.50 H=0.50 L=5.40			B=0.50 H=0.50 L=4.40		
Mu=-0.10 As =6.23 As(r)=7.43	Mu=-16.80 As =24.93 As(r)=7.43	Mu=-369.73 As =24.93 As(r)=23.99	Mu=-404.55 As =27.45 As(r)=26.55	Mu=-216.34 As =27.45 As(r)=13.43	Mu=-150.40 As =9.95 As(r)=9.17			
Mu=0.00 As =3.55 As(r)=7.43	Mu=0.00 As =10.65 As(r)=7.43	Mu=3.36 As =14.20 As(r)=7.43	Mu=209.95 As =14.20 As(r)=13.01	Mu=88.21 As =14.20 As(r)=8.60	Mu=152.69 As =9.66 As(r)=9.32	Mu=110.32 As =9.66 As(r)=7.43	Mu=94.14 As =14.20 As(r)=7.43	Mu=50.13 As =9.66 As(r)=7.43
Vu=35.44	Vu=43.21	Vu=-208.81	Vu=228.89	Vu=-112.61	Vu=117.37			

NOTA: Se suministro 5#6 (14.20 )

B=0.50 H=0.50 L=1.88		
Mu=-115.05 As =9.95 As(r)=7.43	Mu=-0.00 As =5.97 As(r)=7.43	
Mu=23.01 As =9.66 As(r)=7.43	Mu=0.00 As =14.20 As(r)=7.43	Mu=4.01 As =7.24 As(r)=7.43
Vu=-85.46	Vu=-54.39	

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

## V507/CUB

B=0.50 H=0.50 L=0.33			B=0.50 H=0.50 L=5.35			B=0.50 H=0.50 L=0.32		
Mu=-0.03 As =7.65 As(r)=7.43	Mu=-0.74 As =30.60 As(r)=7.43	Mu=-40.02 As =30.60 As(r)=26.23	Mu=-44.97 As =30.60 As(r)=29.96	Mu=-40.02 As =30.60 As(r)=26.23	Mu=-44.97 As =30.60 As(r)=29.96			
Mu=0.05 As =5.76 As(r)=7.43	Mu=0.00 As =17.28 As(r)=7.43	Mu=0.15 As =23.04 As(r)=7.43	Mu=33.19 As =23.04 As(r)=21.29	Mu=8.99 As =29.50 As(r)=7.43	Mu=29.95 As =20.40 As(r)=19.03	Mu=33.19 As =20.40 As(r)=21.29	Mu=8.99 As =23.04 As(r)=7.43	Mu=29.95 As =20.40 As(r)=19.03
Vu=1.58	Vu=1.99	Vu=-19.18	Vu=21.06	Vu=-19.18	Vu=21.06			

NOTA: Se suministro 2#7+3#8 (23.04 )

## V401/PISO 3A

B=0.30 H=0.50 L=2.38			B=0.30 H=0.50 L=7.90		
Mu=-0.01 As =1.49 As(r)=4.46	Mu=-13.71 As =9.95 As(r)=8.53	Mu=-6.72 As =9.95 As(r)=4.46	Mu=-9.97 As =7.96 As(r)=6.10		
Mu=0.04 As =1.29 As(r)=4.46	Mu=0.00 As =5.16 As(r)=4.46	Mu=2.74 As =5.16 As(r)=4.46	Mu=2.24 As =5.80 As(r)=4.46	Mu=4.45 As =5.16 As(r)=4.46	Mu=3.32 As =5.16 As(r)=4.46
Vu=5.21	Vu=7.11	Vu=-4.81	Vu=5.39		

NOTA: Se suministro 4#4 (5.08 )

NOTA: Se suministro 2#4+1#5 (4.53 )

## V500/CUB

B=0.30 H=0.50 L=0.23			B=0.30 H=0.50 L=5.40			B=0.30 H=0.50 L=5.40		
Mu=-6.42 As =1.29 As(r)=4.46	Mu=-9.78 As =5.16 As(r)=5.98	Mu=-6.42 As =5.16 As(r)=4.46	Mu=-9.78 As =7.45 As(r)=5.98	Mu=-7.79 As =7.45 As(r)=4.73	Mu=-7.86 As =5.16 As(r)=4.77			
Mu=3.35 As =1.14 As(r)=4.46	Mu=3.45 As =1.14 As(r)=4.46	Mu=3.26 As =4.57 As(r)=4.46	Mu=3.35 As =4.57 As(r)=4.46	Mu=3.45 As =4.57 As(r)=4.46	Mu=3.26 As =4.57 As(r)=4.46	Mu=2.60 As =4.57 As(r)=4.46	Mu=2.55 As =4.57 As(r)=4.46	Mu=2.62 As =4.57 As(r)=4.46
Vu=-5.25	Vu=6.73	Vu=-5.25	Vu=6.73	Vu=-5.55	Vu=5.58			

NOTA: Se suministro 4#4 (5.08 )

B=0.30 H=0.50 L=5.40			B=0.30 H=0.50 L=5.35			B=0.30 H=0.50 L=5.25		
Mu=-7.59 As =5.16 As(r)=4.60	Mu=-8.06 As =5.16 As(r)=4.89	Mu=-7.68 As =5.16 As(r)=4.65	Mu=-8.24 As =7.45 As(r)=5.01	Mu=-8.64 As =7.45 As(r)=5.26	Mu=-6.73 As =5.16 As(r)=4.46			
Mu=2.53 As =5.07 As(r)=4.46	Mu=2.70 As =4.57 As(r)=4.46	Mu=2.69 As =4.57 As(r)=4.46	Mu=2.70 As =4.57 As(r)=4.46	Mu=2.52 As =4.57 As(r)=4.46	Mu=2.75 As =4.57 As(r)=4.46	Mu=2.88 As =4.57 As(r)=4.46	Mu=3.38 As =4.57 As(r)=4.46	Mu=2.24 As =4.57 As(r)=4.46
Vu=-5.55	Vu=5.70	Vu=-5.52	Vu=5.75	Vu=-6.33	Vu=5.51			

## DISEÑO DE VIGAS JARDIN INFANTIL SANTA TERESITA MODULO 1

### V300A/PISO 3A

B=0.30 H=0.50 L=3.80		
Mu=-137.08 As =7.83 As(r)=8.53		Mu=-0.11 As =5.97 As(r)=4.46
Mu=27.42 As =5.16 As(r)=4.46	Mu=0.00 As =5.16 As(r)=4.46	Mu=0.38 As =4.52 As(r)=4.46
Vu=71.06		Vu=52.14

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V100 ( ENTRE 9 Y 10)

PISO: 1

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
300	500	7950	456	440	516	60	28

CR.9.5 L/14 567.9 REVISAR

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 3125000000 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	3666.24	7781.28	150	11447.52	-2080022.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
85.627	-161.9440191	85.627

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 528299111.4**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	354.37

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
3125000000	528299111.4	2.320E+07	28930795.15	1.24701703	5563758322

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.003909091

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.00
1 año	1.4	1.17
5 años	2	1.67

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 0.42 mm

Por LL = 0.13 mm

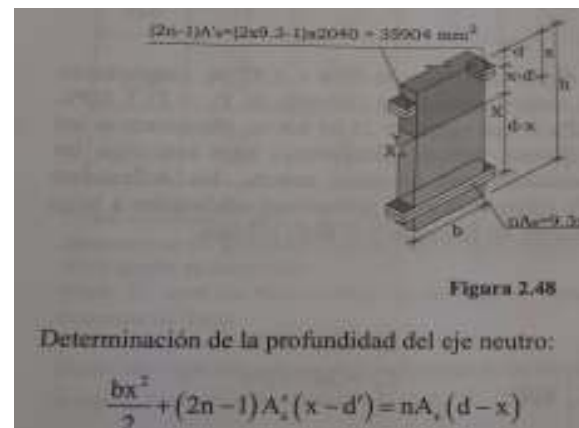
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	0.42	0.4216	0.8416
1 año	0.42	0.4919	0.9119
5 años	0.42	0.7027	1.1227

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	17	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$



**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V101 ( ENTRE 9 Y 10)

PISO: 1

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
300	500	7950	456	440	516	60	28

CR.9.5 L/14 567.9 REVISAR

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 3125000000 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	3666.24	7781.28	150	11447.52	-2080022.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
85.627	-161.9440191	85.627

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 528299111.4**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	354.37

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
3125000000	528299111.4	2.920E+07	28930795.15	0.99078066	3053840457

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.003909091

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.00
1 año	1.4	1.17
5 años	2	1.67

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 1.44 mm

Por LL = 0.48 mm

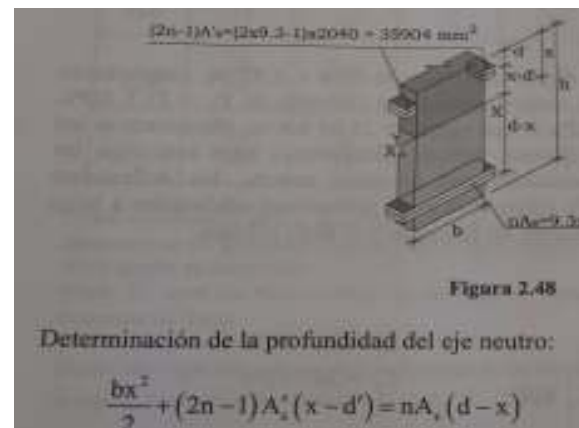
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	1.44	1.4455	2.8855
1 año	1.44	1.6864	3.1264
5 años	1.44	2.4091	3.8491

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	17	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V103

PISO: 1

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
400	500	8400	955	440	516	60	28
CR.9.5	L/14	600.0	REVISAR				

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 4166666667 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	7678.2	7781.28	200	15459.48	-3845284.8

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
105.296	-182.5936409	105.296

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 1031788037**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	334.70

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
4166666667	1031788037	2.320E+07	40841235.68	1.76039809	18134043798

**6. Factor de deflexion adicional a largo plazo**

Acero negativo, As' (mm<sup>2</sup>) = 516  
d (mm) = 440  
cuantía negativa, ρ' = 0.002931818

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.05
1 año	1.4	1.22
5 años	2	1.74

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 2.7 mm  
Por LL = 0.76 mm

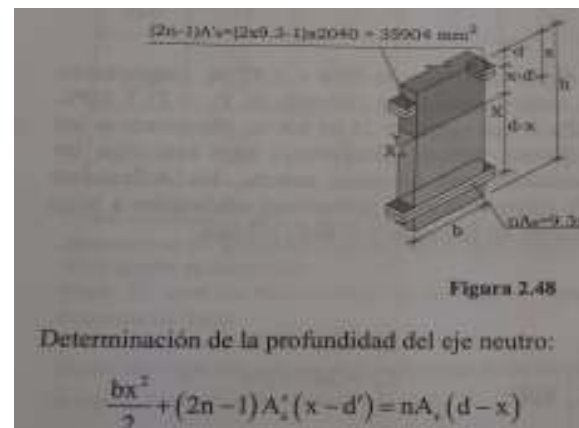
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	2.7	2.8258	5.5258
1 año	2.7	3.2967	5.9967
5 años	2.7	4.7096	7.4096

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	18	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V200( ENTRE 9 Y 10)

PISO: 2

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
300	500	7950	456	440	516	60	28

CR.9.5 L/14 567.9 REVISAR

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 3125000000 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	3666.24	7781.28	150	11447.52	-2080022.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
85.627	-161.9440191	85.627

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 528299111.4**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	354.37

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
3125000000	528299111.4	2.000E+07	28930795.15	1.44653976	8388127251

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.003909091

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.00
1 año	1.4	1.17
5 años	2	1.67

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 2.8 mm

Por LL = 0.35 mm

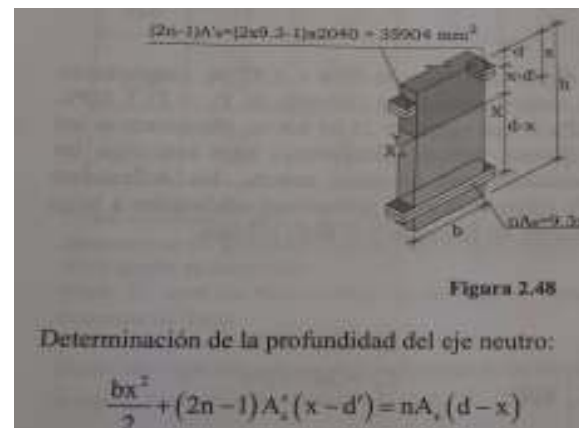
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	2.8	2.8106	5.6106
1 año	2.8	3.2791	6.0791
5 años	2.8	4.6844	7.4844

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	17	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V202( ENTRE 9 Y 10)

PISO: 2

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
300	500	7950	516	440	516	60	28

CR.9.5 L/14 567.9 REVISAR

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 3125000000 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	4148.64	7781.28	150	11929.92	-2292278.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
90.092	-169.6248713	90.092

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 588111221.8**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	349.91

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
3125000000	588111221.8	1.880E+07	29299954.33	1.55850821	10191592848

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.003909091

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.00
1 año	1.4	1.17
5 años	2	1.67

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 2.07 mm

Por LL = 0.25 mm

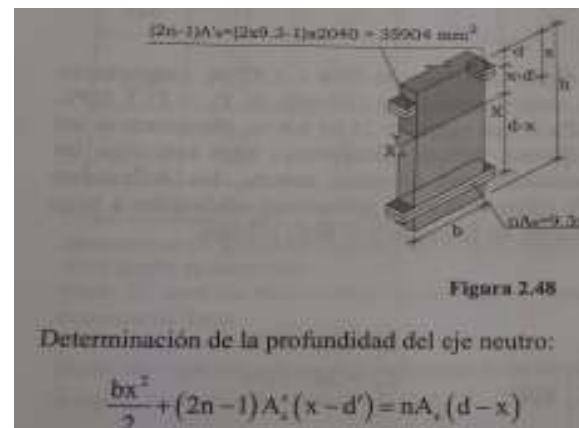
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	2.07	2.0779	4.1479
1 año	2.07	2.4242	4.4942
5 años	2.07	3.4631	5.5331

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	17	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V203

PISO: 2

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
400	500	8400	1050	440	2890	60	28
CR.9.5	L/14	600.0	REVISAR				

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 4166666667 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	8442	43581.2	200	52023.2	-6329352

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
90.310	-350.4255188	90.310

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 1170559639**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	349.69

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
4166666667	1170559639	1.525E+08	39090898.51	0.25633376	1221022835

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 2890

d (mm) = 440

cuantía negativa, ρ' = 0.016420455

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	0.66
1 año	1.4	0.77
5 años	2	1.10

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 6.7 mm

Por LL = 0.78 mm

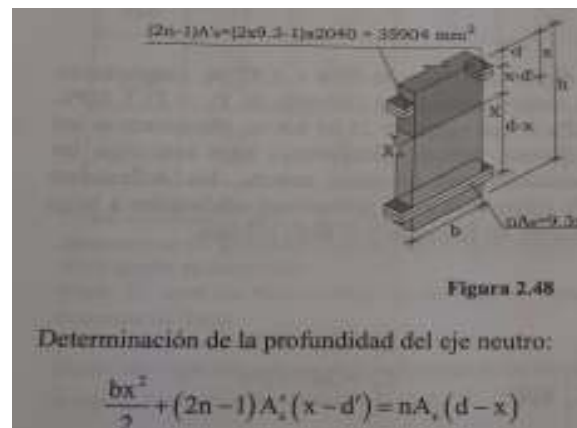
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	6.7	4.4151	11.1151
1 año	6.7	5.1510	11.8510
5 años	6.7	7.3585	14.0585

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	18	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A'_s(x-d')^2 + nA_s(d-x)^2$$

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V306

PISO: 3

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
400	500	5500	1342	440	516	60	28

CR.9.5 L/14 392.9 OK

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 4166666667 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	10789.68	7781.28	200	18570.96	-5214336

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
121.582	-214.4368743	121.582

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 1363108160**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	318.42

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
4166666667	1363108160	2.382E+08	42930105.39	0.18022714	1379520489

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.002931818

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.05
1 año	1.4	1.22
5 años	2	1.74

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 1.7 mm

Por LL = 0.4 mm

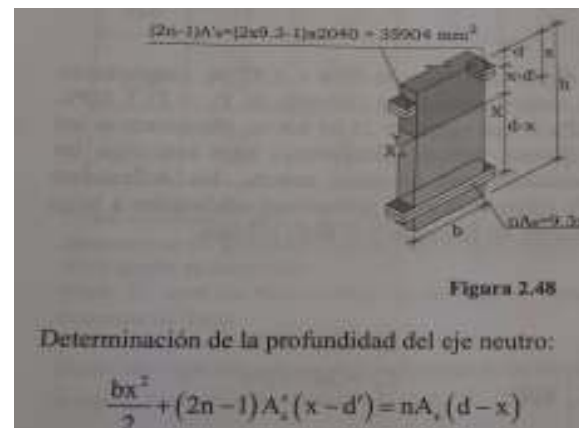
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	1.7	1.7792	3.4792
1 año	1.7	2.0757	3.7757
5 años	1.7	2.9653	4.6653

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	11	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V400( ENTRE 9 Y 10)

PISO: 3A

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
300	500	7950	456	440	516	60	28

CR.9.5 L/14 567.9 REVISAR

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 3125000000 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	3666.24	7781.28	150	11447.52	-2080022.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
85.627	-161.9440191	85.627

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 528299111.4**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	354.37

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
3125000000	528299111.4	2.382E+08	28930795.15	0.1214559	532951519.1

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.003909091

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.00
1 año	1.4	1.17
5 años	2	1.67

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 3.94 mm

Por LL = 0.53 mm

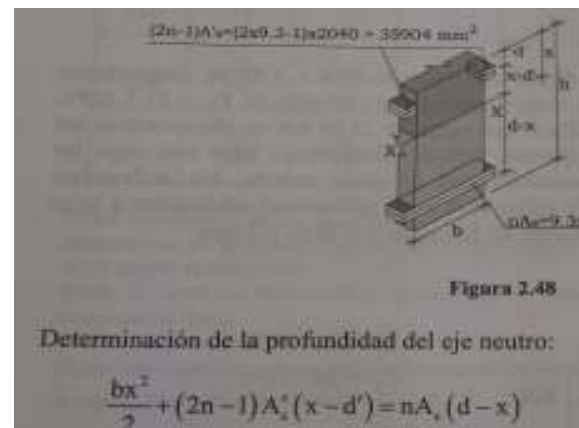
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	3.94	3.9550	7.8950
1 año	3.94	4.6141	8.5541
5 años	3.94	6.5916	10.5316

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	17	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$

**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V401( ENTRE 9 Y 10)

PISO: 3A

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
300	500	8000	516	440	516	60	28

CR.9.5 L/14 571.4 REVISAR

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 3125000000 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	4148.64	7781.28	150	11929.92	-2292278.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
90.092	-169.6248713	90.092

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 588111221.8**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	349.91

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
3125000000	588111221.8	2.350E+07	29299954.33	1.24680657	5505093815

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.003909091

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	1.00
1 año	1.4	1.17
5 años	2	1.67

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 2.2 mm

Por LL = 0.27 mm

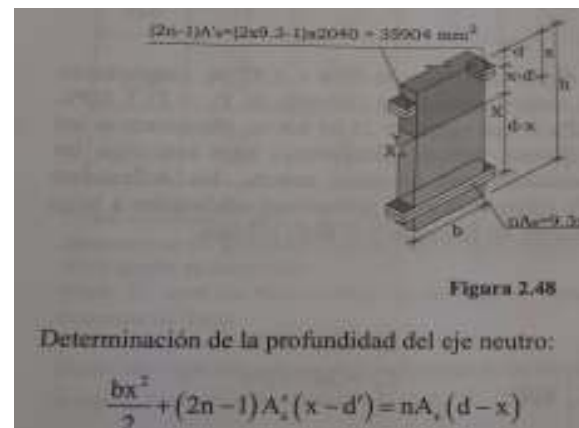
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	2.2	2.2084	4.4084
1 año	2.2	2.5764	4.7764
5 años	2.2	3.6806	5.8806

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	17	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A'_s(x-d')^2 + nA_s(d-x)^2$$



**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: V402

PISO: 3A

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
400	500	8400	1336	440	2521	60	28

CR.9.5 L/14 600.0 REVISAR

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 4166666667 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	10741.44	38016.68	200	48758.12	-7007234.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
101.476	-345.2663728	101.476

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 1435676321**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	338.52

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
4166666667	1435676321	1.795E+08	40380315.52	0.22495998	1466767410

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 2521

d (mm) = 440

cuantía negativa, ρ' = 0.014323864

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	0.70
1 año	1.4	0.82
5 años	2	1.17

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 7.8 mm

Por LL = 1.2 mm

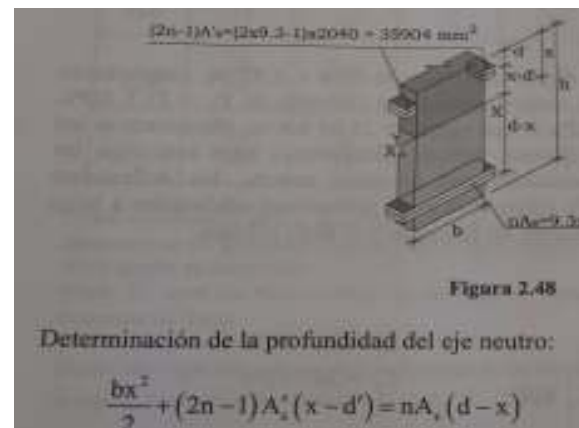
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	7.8	5.4539	13.2539
1 año	7.8	6.3629	14.1629
5 años	7.8	9.0899	16.8899

**Criterio de aceptacion:**

Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	18	OK CUMPLE
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$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^2$$

## JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGUETAS

## VT-P1-01/PISO 1

B=0.15 H=0.50 L=2.35		B=0.15 H=0.50 L=7.87		B=0.15 H=0.50 L=5.07	
Mu=-0.00 As =1.42 As(r)=2.28	Mu=-7.73 As =5.68 As(r)=4.73	Mu=-7.00 As =5.68 As(r)=4.26	Mu=-13.23 As =10.87 As(r)=8.54	Mu=-13.70 As =10.87 As(r)=8.89	Mu=-2.74 As =3.98 As(r)=2.28
Mu=0.00 As =5.68 As(r)=2.28		Mu=11.56 As =7.80 As(r)=7.34		Mu=2.74 As =10.92 As(r)=2.28	
Vu=0.00	Vu=-6.58	Vu=10.23	Vu=-11.81	Vu=9.47	Vu=-4.73

B=0.15 H=0.50 L=2.55	
Mu=-1.72 As =3.98 As(r)=2.28	Mu=-0.00 As =3.98 As(r)=2.28
Mu=1.68 As =5.68 As(r)=2.28	
Vu=4.45	Vu=-2.69

## VTB-P1-01/PISO 1

B=0.15 H=0.50 L=2.35		B=0.15 H=0.50 L=7.87		B=0.15 H=0.50 L=5.07	
Mu=-0.26 As =1.93 As(r)=2.28	Mu=-0.86 As =2.58 As(r)=2.28	Mu=-1.60 As =2.58 As(r)=2.28	Mu=-1.37 As =2.58 As(r)=2.28	Mu=-1.36 As =2.58 As(r)=2.28	Mu=-0.29 As =2.58 As(r)=2.28
Mu=0.17 As =2.58 As(r)=2.28		Mu=0.96 As =2.58 As(r)=2.28		Mu=0.32 As =2.58 As(r)=2.28	
Vu=-0.41	Vu=0.54	Vu=-0.83	Vu=0.88	Vu=-0.81	Vu=0.49

B=0.15 H=0.50 L=2.55	
Mu=-0.40 As =2.58 As(r)=2.28	Mu=-0.20 As =2.58 As(r)=2.28
Mu=0.21 As =2.58 As(r)=2.28	
Vu=-0.51	Vu=0.29

## NOTA:

Si bien el software reporta menos refuerzo en los extremos de los voladizos, el refuerzo minimo suministrado es 2.28 cm<sup>2</sup>(2#4) para viguetas de seccion 14x50 y 2 cm<sup>2</sup>(1#5) para vguetas de 12x50.

## VTB-P1-02/PISO 1

B=0.15 H=0.50 L=0.47		B=0.15 H=0.50 L=5.30		B=0.15 H=0.50 L=2.45	
Mu=-0.41 As =2.58 As(r)=2.28	Mu=-0.99 As =2.58 As(r)=2.28	Mu=-3.13 As =2.58 As(r)=2.28	Mu=-1.00 As =2.58 As(r)=2.28	Mu=-1.28 As =2.58 As(r)=2.28	Mu=-3.00 As =2.58 As(r)=2.28
Mu=0.00 As =3.98 As(r)=2.28		Mu=1.17 As =3.98 As(r)=2.28		Mu=4.66 As =3.98 As(r)=3.44	
Vu=0.75	Vu=0.90	Vu=-1.12	Vu=-2.72	Vu=-1.73	Vu=2.35

## JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGUETAS

B=0.15 H=0.50 L=0.40	
Mu=-1.28 As =2.58 As(r)=2.28	Mu=-3.00 As =1.93 As(r)=2.28
Mu=4.66 As =3.98 As(r)=3.44	
Vu=-1.73	Vu=2.35

## VT-P2-01/PISO 2

B=0.12 H=0.50 L=2.38		B=0.12 H=0.50 L=7.90		B=0.12 H=0.50 L=5.05	
Mu=-0.05 As =2.84 As(r)=1.82	Mu=-3.86 As =2.84 As(r)=2.30	Mu=-3.69 As =2.84 As(r)=2.20	Mu=-4.02 As =2.84 As(r)=2.41	Mu=-4.10 As =2.84 As(r)=2.46	Mu=-0.82 As =1.99 As(r)=1.82
Mu=0.00 As =1.99 As(r)=1.82		Mu=3.17 As =1.99 As(r)=1.88		Mu=1.13 As =1.99 As(r)=1.82	
Vu=-0.53	Vu=-2.67	Vu=3.51	Vu=-3.60	Vu=3.07	Vu=-1.48

B=0.12 H=0.50 L=2.55		B=0.12 H=0.50 L=5.50	
Mu=-0.53 As =1.99 As(r)=1.82	Mu=-2.64 As =1.99 As(r)=1.82	Mu=-2.50 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=0.53 As =1.99 As(r)=1.82		Mu=2.35 As =3.15 As(r)=1.82	
Vu=0.22	Vu=-2.08	Vu=3.00	Vu=-1.95

## VT-P2-02/PISO 2

B=0.12 H=0.50 L=2.35		B=0.12 H=0.50 L=7.90	
Mu=-0.13 As =3.87 As(r)=1.82	Mu=-5.64 As =3.87 As(r)=3.43	Mu=-5.46 As =3.87 As(r)=3.32	Mu=-0.00 As =1.99 As(r)=1.82
Mu=0.00 As =1.99 As(r)=1.82		Mu=4.50 As =5.36 As(r)=2.90	
Vu=-1.29	Vu=-3.40	Vu=4.30	Vu=-2.81

## NOTA:

Si bien el software reporta menos refuerzo en los extremos de los voladizos, el refuerzo minimo suministrado es 2.28 cm<sup>2</sup>(2#4) para viguetas de seccion 14x50 y 2 cm<sup>2</sup>(1#5) para vguetas de 12x50.

## VT-P2-03/PISO 2

B=0.12 H=0.50 L=5.45		B=0.12 H=0.50 L=2.60	
Mu=-0.00 As =1.99 As(r)=1.82	Mu=-2.50 As =1.99 As(r)=1.82	Mu=-2.62 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=2.28 As =2.84 As(r)=1.82		Mu=0.00 As =2.84 As(r)=1.82	
Vu=1.92	Vu=-2.98	Vu=2.19	Vu=-0.15

## JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGUETAS

## VT-P2-04A/PISO 2

B=0.12 H=0.50 L=5.60		B=0.12 H=0.50 L=3.30	
Mu=-0.06 As =1.99 As(r)=1.82	Mu=-4.00 As =2.84 As(r)=2.39	Mu=-4.00 As =2.84 As(r)=2.39	Mu=-0.00 As =1.99 As(r)=1.82
Mu=0.00 As =1.99 As(r)=1.82		Mu=2.42 As =1.99 As(r)=1.82	
Vu=0.36	Vu=-2.70	Vu=-2.70	Vu=2.15

## VTB-P2-01/PISO 2

B=0.15 H=0.50 L=2.38		B=0.15 H=0.50 L=7.90		B=0.15 H=0.50 L=5.05	
Mu=-1.12 As =2.58 As(r)=2.28	Mu=-1.09 As =2.58 As(r)=2.28	Mu=-1.65 As =2.58 As(r)=2.28	Mu=-1.13 As =2.58 As(r)=2.28	Mu=-1.04 As =2.58 As(r)=2.28	Mu=-0.75 As =2.58 As(r)=2.28
Mu=0.22 As =2.58 As(r)=2.28		Mu=0.80 As =2.58 As(r)=2.28		Mu=0.32 As =2.58 As(r)=2.28	
Vu=-0.83	Vu=0.56	Vu=-0.79	Vu=0.78	Vu=-0.81	Vu=0.60

B=0.15 H=0.50 L=2.60		B=0.15 H=0.50 L=5.35	
Mu=-0.78 As =2.58 As(r)=2.28	Mu=-0.65 As =2.58 As(r)=2.28	Mu=-1.31 As =2.58 As(r)=2.28	Mu=-1.15 As =2.58 As(r)=2.28
Mu=0.44 As =2.58 As(r)=2.28		Mu=0.75 As =2.58 As(r)=2.28	
Vu=-0.96	Vu=0.69	Vu=-0.96	Vu=0.72

## VTB-P2-02/PISO 2

B=0.15 H=0.50 L=0.47		B=0.15 H=0.50 L=8.05		B=0.15 H=0.50 L=0.48	
Mu=-0.36 As =2.58 As(r)=2.28	Mu=-1.52 As =2.58 As(r)=2.28	Mu=-3.63 As =2.58 As(r)=2.28	Mu=-2.38 As =2.58 As(r)=2.28	Mu=-3.63 As =2.58 As(r)=2.28	Mu=-2.38 As =2.58 As(r)=2.28
Mu=0.06 As =5.68 As(r)=2.28		Mu=6.96 As =5.68 As(r)=4.47		Mu=7.47 As =5.68 As(r)=4.56	
Vu=1.51	Vu=1.81	Vu=-1.76	Vu=2.51	Vu=-1.76	Vu=1.79

## VT-P3-01/PISO 3

B=0.12 H=0.50 L=0.80		B=0.12 H=0.50 L=2.60		B=0.12 H=0.50 L=5.45	
Mu=-0.00 As =1.49 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82	Mu=-0.38 As =1.99 As(r)=1.82	Mu=-1.90 As =1.99 As(r)=1.82	Mu=-1.83 As =1.99 As(r)=1.82	Mu=-2.37 As =1.99 As(r)=1.82
Mu=0.18 As =1.99 As(r)=1.82		Mu=0.38 As =1.99 As(r)=1.82		Mu=1.61 As =1.99 As(r)=1.82	
Vu=0.55	Vu=-0.25	Vu=0.49	Vu=-2.11	Vu=2.62	Vu=-2.83

## NOTA:

Si bien el software reporta menos refuerzo en los extremos de los voladizos, el refuerzo minimo suministrado es 2.28 cm2(2#4) para viguetas de seccion 14x50 y 2 cm2(1#5) para vguetas de 12x50.

## JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGUETAS

B=0.12 H=0.50 L=5.40		B=0.12 H=0.50 L=5.40		B=0.12 H=0.50 L=5.40	
Mu=-2.39 As =1.99 As(r)=1.82	Mu=-2.26 As =1.99 As(r)=1.82	Mu=-2.25 As =1.99 As(r)=1.82	Mu=-2.05 As =1.99 As(r)=1.82	Mu=-2.08 As =1.99 As(r)=1.82	Mu=-2.92 As =1.99 As(r)=1.82
Mu=1.32 As =1.99 As(r)=1.82		Mu=1.49 As =1.99 As(r)=1.82		Mu=1.15 As =1.99 As(r)=1.82	
Vu=2.72	Vu=-2.68	Vu=2.74	Vu=-2.66	Vu=2.54	Vu=-2.86

B=0.12 H=0.50 L=5.30	
Mu=-2.84 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=2.24 As =1.99 As(r)=1.82	
Vu=3.24	Vu=-2.06

## VT-P3-02/PISO 3

B=0.12 H=0.50 L=2.55		B=0.12 H=0.50 L=5.45		B=0.12 H=0.50 L=5.40	
Mu=-0.00 As =1.99 As(r)=1.82	Mu=-1.90 As =1.99 As(r)=1.82	Mu=-1.81 As =1.99 As(r)=1.82	Mu=-2.34 As =1.99 As(r)=1.82	Mu=-2.36 As =1.99 As(r)=1.82	Mu=-2.40 As =1.99 As(r)=1.82
Mu=0.00 As =1.99 As(r)=1.82		Mu=1.64 As =1.99 As(r)=1.82		Mu=1.26 As =1.99 As(r)=1.82	
Vu=0.50	Vu=-2.05	Vu=2.63	Vu=-2.82	Vu=2.69	Vu=-2.71

B=0.12 H=0.50 L=5.40		B=0.12 H=0.50 L=5.40		B=0.12 H=0.50 L=5.30	
Mu=-2.34 As =1.99 As(r)=1.82	Mu=-2.29 As =3.17 As(r)=1.82	Mu=-2.35 As =3.17 As(r)=1.82	Mu=-2.51 As =1.99 As(r)=1.82	Mu=-2.47 As =1.99 As(r)=1.82	Mu=-0.96 As =1.99 As(r)=1.82
Mu=1.69 As =1.99 As(r)=1.82		Mu=1.22 As =3.81 As(r)=1.82		Mu=1.80 As =2.82 As(r)=1.82	
Vu=2.98	Vu=-2.96	Vu=2.67	Vu=-2.73	Vu=2.94	Vu=-2.36

B=0.12 H=0.50 L=1.55	
Mu=-1.20 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=0.00 As =1.99 As(r)=1.82	
Vu=1.55	Vu=0.00

## NOTA:

Si bien el software reporta menos refuerzo en los extremos de los voladizos, el refuerzo mínimo suministrado es 2.28 cm<sup>2</sup>(2#4) para viguetas de seccion 14x50 y 2 cm<sup>2</sup>(1#5) para vguetas de 12x50.

## JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGUETAS

## VT-P3-03/PISO 3

B=0.12 H=0.50 L=2.60	
Mu=-0.00 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=0.86 As =1.99 As(r)=1.82	
Vu=1.06	Vu=-1.02

## VT-P3A-01/PISO 3A

B=0.15 H=0.50 L=2.17		B=0.15 H=0.50 L=8.00	
Mu=-0.30 As =5.80 As(r)=2.28	Mu=-14.31 As =11.37 As(r)=9.35	Mu=-13.94 As =11.37 As(r)=9.07	Mu=-0.00 As =2.84 As(r)=2.28
Mu=0.00 As =5.68 As(r)=2.28		Mu=11.15 As =8.08 As(r)=7.61	
Vu=-4.05	Vu=-8.83	Vu=10.67	Vu=-6.93

## NOTA:

Si bien el software reporta menos refuerzo en los extremos de los voladizos, el refuerzo mínimo suministrado es 2.28 cm<sup>2</sup>(2#4) para viguetas de seccion 14x50 y 2 cm<sup>2</sup>(1#5) para vguetas de 12x50.

## VT-P4-01/CUB

B=0.12 H=0.50 L=0.30		B=0.12 H=0.50 L=5.45		B=0.12 H=0.50 L=5.40	
Mu=-0.00 As =1.99 As(r)=1.82	Mu=-0.05 As =1.99 As(r)=1.82	Mu=-0.70 As =1.99 As(r)=1.82	Mu=-3.51 As =3.17 As(r)=2.09	Mu=-3.61 As =3.17 As(r)=2.15	Mu=-2.49 As =1.99 As(r)=1.82
Mu=0.00 As =1.49 As(r)=1.82		Mu=2.84 As =1.99 As(r)=1.82		Mu=1.32 As =1.99 As(r)=1.82	
Vu=0.00	Vu=-0.36	Vu=2.57	Vu=-3.97	Vu=3.45	Vu=-3.03

B=0.12 H=0.50 L=5.35		B=0.12 H=0.50 L=5.35		B=0.12 H=0.50 L=5.25	
Mu=-2.45 As =1.99 As(r)=1.82	Mu=-2.45 As =1.99 As(r)=1.82	Mu=-2.49 As =1.99 As(r)=1.82	Mu=-3.47 As =3.17 As(r)=2.06	Mu=-3.37 As =3.17 As(r)=2.00	Mu=-0.00 As =1.99 As(r)=1.82
Mu=1.84 As =1.99 As(r)=1.82		Mu=1.31 As =1.99 As(r)=1.82		Mu=2.69 As =1.99 As(r)=1.82	
Vu=3.21	Vu=-3.21	Vu=3.03	Vu=-3.39	Vu=3.88	Vu=-2.42

## VT-P4-05/CUB

B=0.12 H=0.50 L=7.95		B=0.12 H=0.50 L=5.45		B=0.12 H=0.50 L=5.40	
Mu=-0.00 As =2.84 As(r)=1.82	Mu=-6.95 As =4.66 As(r)=4.29	Mu=-7.16 As =4.66 As(r)=4.43	Mu=-1.57 As =1.99 As(r)=1.82	Mu=-1.43 As =1.99 As(r)=1.82	Mu=-2.95 As =1.99 As(r)=1.82
Mu=6.29 As =5.10 As(r)=4.10		Mu=1.43 As =5.10 As(r)=1.82		Mu=2.18 As =5.10 As(r)=1.82	
Vu=3.82	Vu=-5.72	Vu=4.29	Vu=-2.25	Vu=2.96	Vu=-3.52

## JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGUETAS

B=0.12 H=0.50 L=5.35		B=0.12 H=0.50 L=5.35		B=0.12 H=0.50 L=2.15	
Mu=-3.00 As =1.99 As(r)=1.82	Mu=-2.73 As =1.99 As(r)=1.82	Mu=-2.69 As =1.99 As(r)=1.82	Mu=-2.01 As =1.99 As(r)=1.82	Mu=-2.16 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=1.43 As =5.10 As(r)=1.82		Mu=1.94 As =5.10 As(r)=1.82		Mu=0.00 As =5.10 As(r)=1.82	
Vu=3.26	Vu=-3.16	Vu=3.34	Vu=-3.08	Vu=2.31	Vu=-0.27

## VT-P4-06/CUB

B=0.12 H=0.50 L=2.63		B=0.12 H=0.50 L=5.45		B=0.12 H=0.50 L=5.40	
Mu=-0.00 As =1.99 As(r)=1.82	Mu=-2.25 As =1.99 As(r)=1.82	Mu=-2.15 As =1.99 As(r)=1.82	Mu=-2.88 As =1.99 As(r)=1.82	Mu=-2.90 As =1.99 As(r)=1.82	Mu=-2.63 As =1.99 As(r)=1.82
Mu=0.00 As =1.99 As(r)=1.82		Mu=1.94 As =1.99 As(r)=1.82		Mu=1.61 As =1.99 As(r)=1.82	
Vu=0.69	Vu=-2.46	Vu=3.14	Vu=-3.40	Vu=3.29	Vu=-3.19

B=0.12 H=0.50 L=5.40		B=0.12 H=0.50 L=5.40		B=0.12 H=0.50 L=2.15	
Mu=-2.63 As =1.99 As(r)=1.82	Mu=-2.72 As =1.99 As(r)=1.82	Mu=-2.72 As =1.99 As(r)=1.82	Mu=-2.64 As =1.99 As(r)=1.82	Mu=-2.77 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=1.70 As =3.48 As(r)=1.82		Mu=1.69 As =2.82 As(r)=1.82		Mu=0.00 As =1.99 As(r)=1.82	
Vu=3.22	Vu=-3.26	Vu=3.25	Vu=-3.23	Vu=2.58	Vu=0.00

## VT-P1-02/PISO 1

B=0.15 H=0.50 L=2.35		B=0.15 H=0.50 L=7.85	
Mu=-0.00 As =1.42 As(r)=2.28	Mu=-5.52 As =5.68 As(r)=3.32	Mu=-4.74 As =5.68 As(r)=2.83	Mu=-0.00 As =3.98 As(r)=2.28
Mu=0.00 As =5.68 As(r)=2.28		Mu=13.74 As =10.20 As(r)=8.92	
Vu=0.00	Vu=-4.70	Vu=8.63	Vu=-7.07

## VT-P2-04/PISO 2

B=0.12 H=0.50 L=2.60	
Mu=-0.00 As =2.58 As(r)=1.82	Mu=-0.00 As =2.58 As(r)=1.82
Mu=0.94 As =1.99 As(r)=1.82	
Vu=1.17	Vu=-1.17

## NOTA:

Si bien el software reporta menos refuerzo en los extremos de los voladizos, el refuerzo minimo suministrado es 2.28 cm<sup>2</sup>(2#4) para viguetas de seccion 14x50 y 2 cm<sup>2</sup>(1#5) para vguetas de 12x50.

## JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGUETAS

## VT-P4-02/CUB

B=0.12 H=0.50 L=2.15	
Mu=-0.00 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=0.88 As =1.99 As(r)=1.82	
Vu=1.24	Vu=-1.34

## VT-P4-03/CUB

B=0.12 H=0.50 L=2.63	
Mu=-0.00 As =1.99 As(r)=1.82	Mu=-0.00 As =1.99 As(r)=1.82
Mu=1.23 As =1.99 As(r)=1.82	
Vu=1.61	Vu=-1.55

## NOTA:

Si bien el software reporta menos refuerzo en los extremos de los voladizos, el refuerzo minimo suministrado es 2.28 cm<sup>2</sup>(2#4) para viguetas de seccion 14x50 y 2 cm<sup>2</sup>(1#5) para vguetas de 12x50.

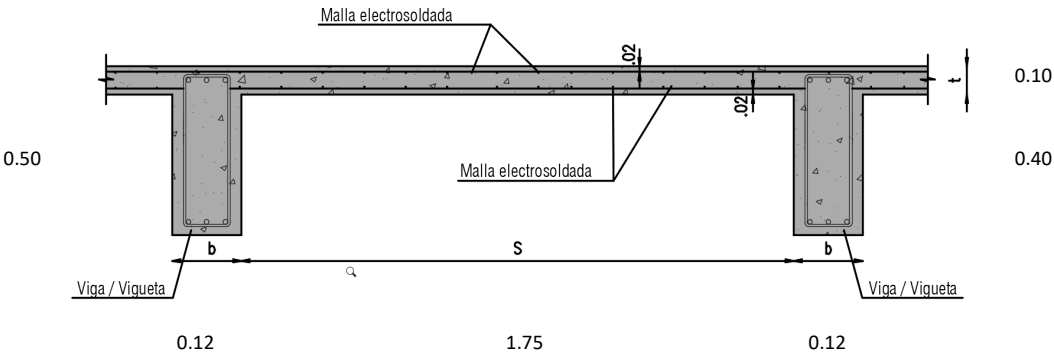


VERIFICACION DEFLEXIONES VIGUETAS QUE NO CUMPLEN CON CR.9.5

PROYECTO: JARDIN INFANTIL SANTA TERESITA

CALCULO: METRIC IOC

PISO: PISO 1 NE+6.00m

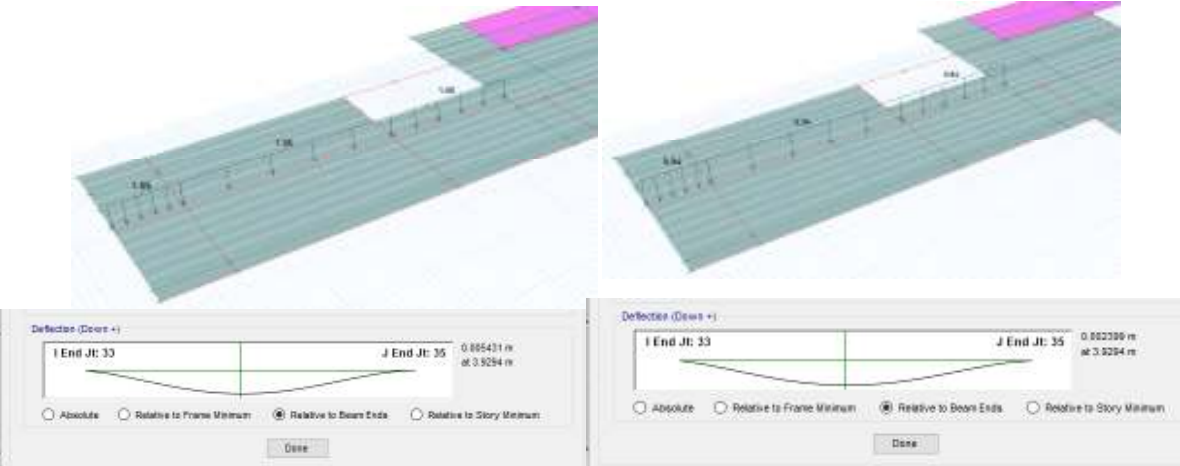


CARGAS	[ Kg/m <sup>2</sup> ]		[ Kg/m <sup>2</sup> ]	
* PLACA	240			
* VIGUETAS	62			
* CIELO RASO			25	
* ACABADOS			150	
* MUROS DIVISORIOS			100	
C. MUERTA	302	Kg/m <sup>2</sup>	+	275 Kg/m <sup>2</sup>
C. VIVA	500	Kg/m <sup>2</sup>		
C. TOTAL =				1077 Kg/m <sup>2</sup>
C. ULTIMA = 1.2 CM + 1.6 CV =				1492 Kg/m <sup>2</sup>
Factor de Carga, F.C.=				1.39

Nota: El peso propio de vigas lo calcula automaticamente el programa

VIGUETA VTP1-01

CARGA A VIGUETAS:				
qd/vigueta	577	x	1.87	= 1078.99
ql/vigueta	500	x	1.87	935
qu / Vigueta =	1492	x	1.87	2790.8 Kg/m



DEFLEXION INSTANTANEA (resultado analisis)

Por DL =	5.44	mm	Por LL =	2.4	mm
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**CALCULO DE DEFLEXION MAXIMA EN VIGAS**

VIGA: VTP1-01 (ENTRE 9 Y 10)

PISO: 3

**1. Propiedades de la Seccion**

B (mm)	H (mm)	L (mm)	As (mm <sup>2</sup> )	d (mm)	As' (mm <sup>2</sup> )	d' (mm)	f'c (MPa)
150	500	7950	966	440	516	60	28
CR.9.5	L/14	567.9	REVISAR				

**2. Calculo de la Inercia de la Seccion Completa**

Seccion : Rectangular

I<sub>g</sub> = 1562500000 mm<sup>4</sup>**3. Calculo de la Inercia de la seccion fisurada**

Posicion del Eje Neutro:

n	n As	(2n-1) As'	Coef a	Coef b	Coef c
8.04	7766.64	7781.28	75	15547.92	-3884198.4

Solución de la ecuación cuadrática

x1	x2	Eje Neutro (mm)
146.414	-353.7192211	146.414

Inercia de la seccion fisurada, I<sub>cr</sub> (mm<sup>4</sup>) = 884468028.2**4. Modulo de rotura:**

f'c (MPa)	Ec (MPa)	fr (MPa)	yt (mm)
28	24870.06232	3.280731626	293.59

yt: distancia del eje centroidal de la seccion transformada fisurada

**5. Calculo de la Inercia efectiva**

I <sub>g</sub> (mm <sup>4</sup> )	I <sub>cr</sub> (mm <sup>4</sup> )	Ma (N mm)	Mcr (N mm)	Mcr/Ma	I <sub>e</sub> (mm <sup>4</sup> )
1562500000	884468028.2	5.300E+07	17460425.73	0.32944199	908711066.6

**6. Factor de deflexion adicional a largo plazo**Acero negativo, As' (mm<sup>2</sup>) = 516

d (mm) = 440

cuantía negativa, ρ' = 0.007818182

Tiempo	ε	λ <sub>A</sub>
6 meses	1.2	0.86
1 año	1.4	1.01
5 años	2	1.44

DEFLEXION INSTANTANEA (resultado analisis)

Por DL = 5.44 mm

Por LL = 2.39 mm

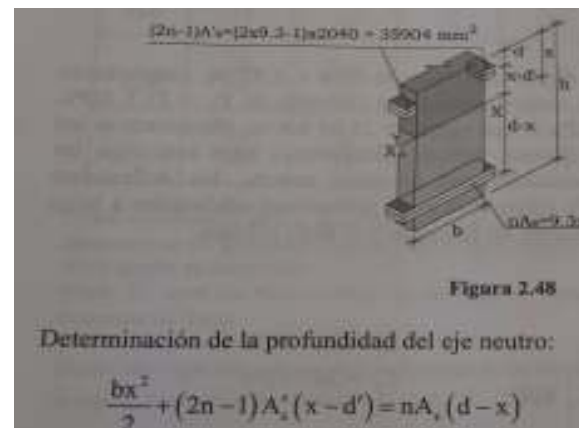
**DEFLEXION ESPERADA A LARGO PLAZO**

Tiempo	Instantanea	Largo plazo	Total (mm)
6 meses	5.44	4.6933	10.1333
1 año	5.44	5.4756	10.9156
5 años	5.44	7.8222	13.2622

**Criterio de aceptacion:**

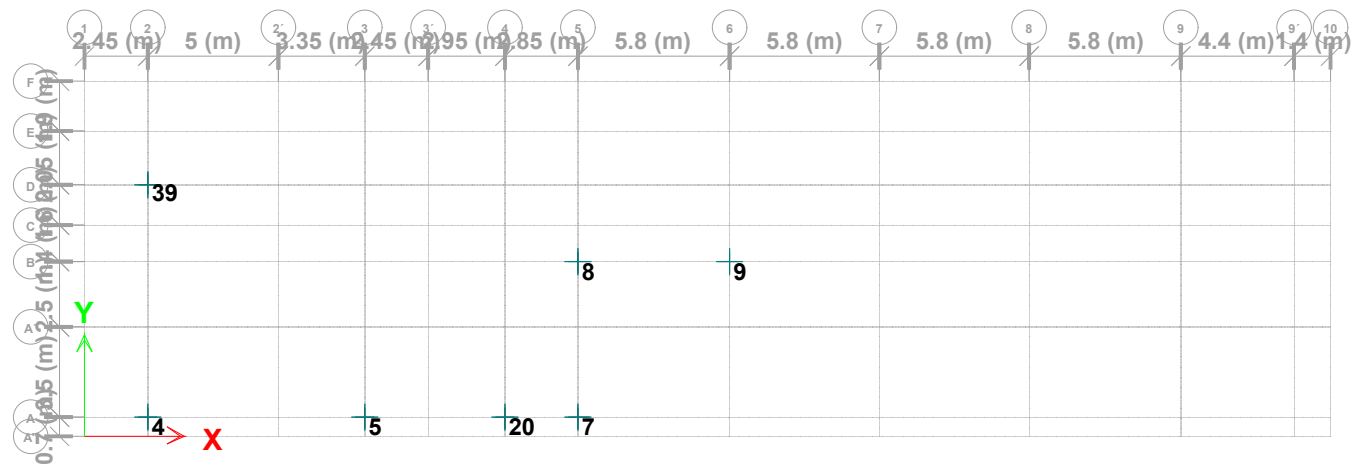
Sistemas de entrepiso o cubiertas que soporte o este ligado a elementos no estructurales susceptibles de sufrir daños debido a deflexiones grandes

L/480(mm)	17	OK CUMPLE
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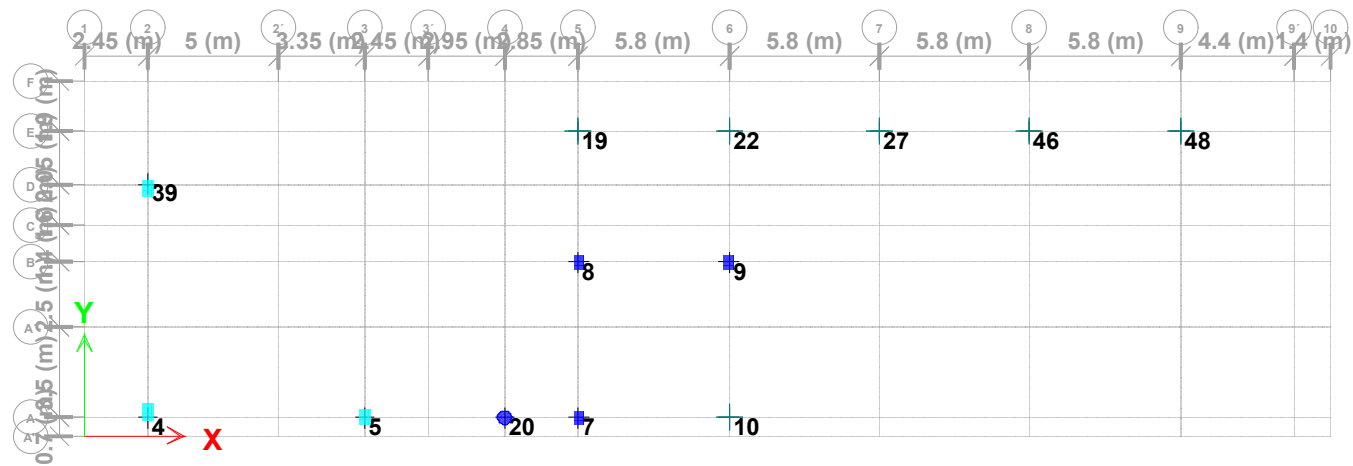


$$I_{cr} = \frac{bx^3}{3} + (2n-1)A_s'(x-d')^2 + nA_s(d-x)^3$$

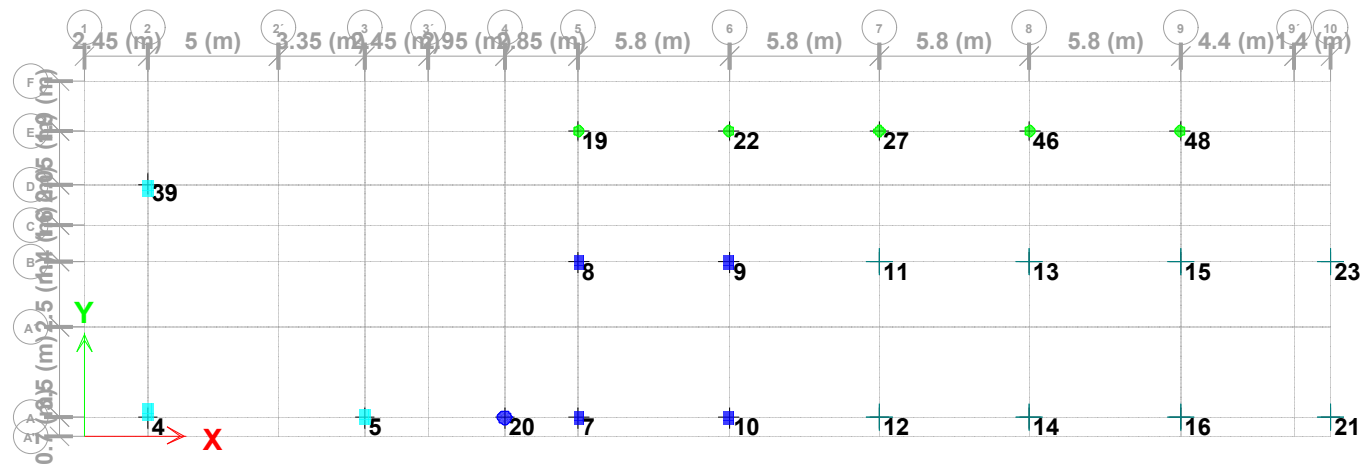
NODOS APOYOS COLUMNAS N-2.80

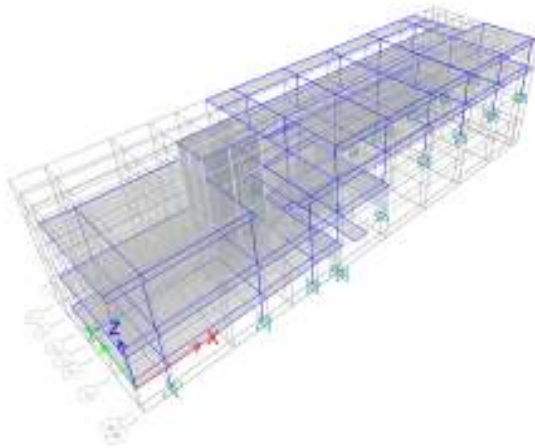


NODOS APOYOS COLUMNAS N+0.00



NODOS APOYOS COLUMNAS N+3.24





## REACCIONES EN LA BASE

Model File: JARDIN INFANTIL SANTA TERESITA, Revision 1  
9/09/2018

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Table 1.1 Joint Reactions

4

### 1 Analysis Results

This chapter provides analysis results.

#### 1.1 Point Results

Table 1.1 - Joint Reactions

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
PISO 2	11	21	D+L	0.018	-0.6429	57.6992	1.4232	0.0483	-0.0345
PISO 2	11	21	D+.7EX Max	2.6348	0.1714	52.6048	3.4751	4.3399	0.0777
PISO 2	11	21	D+.7EX Min	-2.6164	-2.1157	51.3061	-0.4724	-4.2764	-0.1327
PISO 2	11	21	D-.7EX Max	2.6348	0.1714	52.6048	3.4751	4.3399	0.0777
PISO 2	11	21	D-.7EX Min	-2.6164	-2.1157	51.3061	-0.4724	-4.2764	-0.1327
PISO 2	11	21	D+0.75(L+0.7EX) Max	1.985	0.1325	56.7503	2.9231	3.2753	0.0462
PISO 2	11	21	D+0.75(L+0.7EX) Min	-1.9534	-1.5829	55.7763	-0.0376	-3.1869	-0.1116
PISO 2	11	21	D+0.75(L-0.7EX) Max	1.985	0.1325	56.7503	2.9231	3.2753	0.0462
PISO 2	11	21	D+0.75(L-0.7EX) Min	-1.9534	-1.5829	55.7763	-0.0376	-3.1869	-0.1116
PISO 2	11	21	D+.7EY Max	1.3626	9.4881	60.7265	22.6773	2.2543	0.2884
PISO 2	11	21	D+.7EY Min	-1.3442	-11.4325	43.1844	-19.6746	-2.1908	-0.3434
PISO 2	11	21	D-.7EY Max	1.3626	9.4881	60.7265	22.6773	2.2543	0.2884
PISO 2	11	21	D-.7EY Min	-1.3442	-11.4325	43.1844	-19.6746	-2.1908	-0.3434
PISO 2	11	21	D+0.75(L+0.7EY) Max	1.0309	7.12	62.8415	17.3247	1.7111	0.2042
PISO 2	11	21	D+0.75(L+0.7EY) Min	-0.9992	-8.5704	49.685	-14.4392	-1.6227	-0.2696
PISO 2	11	21	D+0.75(L-0.7EY) Max	1.0309	7.12	62.8415	17.3247	1.7111	0.2042
PISO 2	11	21	D+0.75(L-0.7EY) Min	-0.9992	-8.5704	49.685	-14.4392	-1.6227	-0.2696
PISO 2	11	21	ENVE CIM Max	2.6348	9.4881	62.8415	22.6773	4.3399	0.2884
PISO 2	11	21	ENVE CIM Min	-2.6164	-11.4325	43.1844	-19.6746	-4.2764	-0.3434
PISO 2	12	23	D+L	-0.1726	2.0873	41.8277	-1.3252	-0.2856	-0.029
PISO 2	12	23	D+.7EX Max	2.5432	3.1759	40.5522	0.5131	4.1474	0.0921
PISO 2	12	23	D+.7EX Min	-2.8539	0.833	39.4835	-3.5023	-4.6454	-0.1397
PISO 2	12	23	D-.7EX Max	2.5432	3.1759	40.5522	0.5131	4.1474	0.0921
PISO 2	12	23	D-.7EX Min	-2.8539	0.833	39.4835	-3.5023	-4.6454	-0.1397
PISO 2	12	23	D+0.75(L+0.7EX) Max	1.8557	2.9452	41.776	0.1382	3.0209	0.0592
PISO 2	12	23	D+0.75(L+0.7EX) Min	-2.1921	1.188	40.9744	-2.8734	-3.5737	-0.1146
PISO 2	12	23	D+0.75(L-0.7EX) Max	1.8557	2.9452	41.776	0.1382	3.0209	0.0592
PISO 2	12	23	D+0.75(L-0.7EX) Min	-2.1921	1.188	40.9744	-2.8734	-3.5737	-0.1146
PISO 2	12	23	D+.7EY Max	2.8366	13.3343	50.8087	20.56	4.7362	0.3005
PISO 2	12	23	D+.7EY Min	-3.1473	-9.3254	29.227	-23.5492	-5.2341	-0.348
PISO 2	12	23	D-.7EY Max	2.8366	13.3343	50.8087	20.56	4.7362	0.3005
PISO 2	12	23	D-.7EY Min	-3.1473	-9.3254	29.227	-23.5492	-5.2341	-0.348
PISO 2	12	23	D+0.75(L+0.7EY) Max	2.0757	10.564	49.4683	15.1734	3.4625	0.2155
PISO 2	12	23	D+0.75(L+0.7EY) Min	-2.4122	-6.4308	33.2821	-17.9085	-4.0153	-0.2709
PISO 2	12	23	D+0.75(L-0.7EY) Max	2.0757	10.564	49.4683	15.1734	3.4625	0.2155
PISO 2	12	23	D+0.75(L-0.7EY) Min	-2.4122	-6.4308	33.2821	-17.9085	-4.0153	-0.2709
PISO 2	12	23	ENVE CIM Max	2.8366	13.3343	50.8087	20.56	4.7362	0.3005
PISO 2	12	23	ENVE CIM Min	-3.1473	-9.3254	29.227	-23.5492	-5.2341	-0.348
PISO 2	13	25	D+L	0.1264	-0.9435	57.7563	2.2645	0.1612	-0.036
PISO 2	13	25	D+.7EX Max	3.0078	-0.5148	52.6869	3.5204	4.9019	0.1048
PISO 2	13	25	D+.7EX Min	-2.7886	-1.9204	51.2571	0.7755	-4.6293	-0.1643

Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
PISO 2	13	25	D-.7EX Max	3.0078	-0.5148	52.6869	3.5204	4.9019	0.1048
PISO 2	13	25	D-.7EX Min	-2.7886	-1.9204	51.2571	0.7755	-4.6293	-0.1643
PISO 2	13	25	D+0.75(L+0.7EX) Max	2.2959	-0.4849	56.8465	3.2647	3.7292	0.0665
PISO 2	13	25	D+0.75(L+0.7EX) Min	-2.0514	-1.5391	55.774	1.2061	-3.4192	-0.1354
PISO 2	13	25	D+0.75(L-0.7EX) Max	2.2959	-0.4849	56.8465	3.2647	3.7292	0.0665
PISO 2	13	25	D+0.75(L-0.7EX) Min	-2.0514	-1.5391	55.774	1.2061	-3.4192	-0.1354
PISO 2	13	25	D+.7EY Max	1.6331	12.6675	63.6993	32.3745	2.633	0.3387
PISO 2	13	25	D+.7EY Min	-1.4138	-15.1026	40.2447	-28.0786	-2.3603	-0.3982
PISO 2	13	25	D-.7EY Max	1.6331	12.6675	63.6993	32.3745	2.633	0.3387
PISO 2	13	25	D-.7EY Min	-1.4138	-15.1026	40.2447	-28.0786	-2.3603	-0.3982
PISO 2	13	25	D+0.75(L+0.7EY) Max	1.2648	9.4017	65.1057	24.9053	2.0275	0.2419
PISO 2	13	25	D+0.75(L+0.7EY) Min	-1.0204	-11.4258	47.5148	-20.4345	-1.7175	-0.3108
PISO 2	13	25	D+0.75(L-0.7EY) Max	1.2648	9.4017	65.1057	24.9053	2.0275	0.2419
PISO 2	13	25	D+0.75(L-0.7EY) Min	-1.0204	-11.4258	47.5148	-20.4345	-1.7175	-0.3108
PISO 2	13	25	ENVE CIM Max	3.0078	12.6675	65.1057	32.3745	4.9019	0.3387
PISO 2	13	25	ENVE CIM Min	-2.7886	-15.1026	40.2447	-28.0786	-4.6293	-0.3982
PISO 2	14	27	D+L	-0.1567	1.8202	41.7923	-0.5063	-0.284	-0.0408
PISO 2	14	27	D+.7EX Max	2.8121	2.5519	40.6933	0.5525	4.5721	0.0922
PISO 2	14	27	D+.7EX Min	-3.0909	1.0544	39.3801	-2.3093	-5.0634	-0.1585
PISO 2	14	27	D-.7EX Max	2.8121	2.5519	40.6933	0.5525	4.5721	0.0922
PISO 2	14	27	D-.7EX Min	-3.0909	1.0544	39.3801	-2.3093	-5.0634	-0.1585
PISO 2	14	27	D+0.75(L+0.7EX) Max	2.0612	2.3775	41.8459	0.4738	3.3389	0.0551
PISO 2	14	27	D+0.75(L+0.7EX) Min	-2.366	1.2544	40.8609	-1.6725	-3.8877	-0.1329
PISO 2	14	27	D+0.75(L-0.7EX) Max	2.0612	2.3775	41.8459	0.4738	3.3389	0.0551
PISO 2	14	27	D+0.75(L-0.7EX) Min	-2.366	1.2544	40.8609	-1.6725	-3.8877	-0.1329
PISO 2	14	27	D+.7EY Max	3.0231	16.7662	54.2556	30.4108	5.0695	0.3281
PISO 2	14	27	D+.7EY Min	-3.3019	-13.1599	25.8177	-32.1676	-5.5608	-0.3944
PISO 2	14	27	D-.7EY Max	3.0231	16.7662	54.2556	30.4108	5.0695	0.3281
PISO 2	14	27	D-.7EY Min	-3.3019	-13.1599	25.8177	-32.1676	-5.5608	-0.3944
PISO 2	14	27	D+0.75(L+0.7EY) Max	2.2195	13.0382	52.0176	22.8676	3.7119	0.2321
PISO 2	14	27	D+0.75(L+0.7EY) Min	-2.5243	-9.4063	30.6892	-24.0662	-4.2608	-0.3098
PISO 2	14	27	D+0.75(L-0.7EY) Max	2.2195	13.0382	52.0176	22.8676	3.7119	0.2321
PISO 2	14	27	D+0.75(L-0.7EY) Min	-2.5243	-9.4063	30.6892	-24.0662	-4.2608	-0.3098
PISO 2	14	27	ENVE CIM Max	3.0231	16.7662	54.2556	30.4108	5.0695	0.3281
PISO 2	14	27	ENVE CIM Min	-3.3019	-13.1599	25.8177	-32.1676	-5.5608	-0.3944
PISO 2	15	29	D+L	-0.0886	-1.1479	56.7342	2.7616	-0.0558	-0.0417
PISO 2	15	29	D+.7EX Max	2.8677	-0.2373	52.2215	4.9436	4.7694	0.0889
PISO 2	15	29	D+.7EX Min	-3.0541	-2.4996	49.7708	0.1382	-4.9048	-0.1579
PISO 2	15	29	D-.7EX Max	2.8677	-0.2373	52.2215	4.9436	4.7694	0.0889
PISO 2	15	29	D-.7EX Min	-3.0541	-2.4996	49.7708	0.1382	-4.9048	-0.1579
PISO 2	15	29	D+0.75(L+0.7EX) Max	2.1309	-0.3547	56.2187	4.5084	3.5691	0.0526
PISO 2	15	29	D+0.75(L+0.7EX) Min	-2.3104	-2.0514	54.3807	0.9044	-3.6865	-0.1325
PISO 2	15	29	D+0.75(L-0.7EX) Max	2.1309	-0.3547	56.2187	4.5084	3.5691	0.0526
PISO 2	15	29	D+0.75(L-0.7EX) Min	-2.3104	-2.0514	54.3807	0.9044	-3.6865	-0.1325
PISO 2	15	29	D+.7EY Max	1.4738	13.5534	64.8361	36.0137	2.4847	0.3135

Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
PISO 2	15	29	D+.7EY Min	-1.6603	-16.2904	37.1562	-30.9319	-2.6201	-0.3825
PISO 2	15	29	D-.7EY Max	1.4738	13.5534	64.8361	36.0137	2.4847	0.3135
PISO 2	15	29	D-.7EY Min	-1.6603	-16.2904	37.1562	-30.9319	-2.6201	-0.3825
PISO 2	15	29	D+0.75(L+0.7EY) Max	1.0855	9.9884	65.6796	27.811	1.8555	0.2211
PISO 2	15	29	D+0.75(L+0.7EY) Min	-1.2651	-12.3944	44.9197	-22.3982	-1.973	-0.3009
PISO 2	15	29	D+0.75(L-0.7EY) Max	1.0855	9.9884	65.6796	27.811	1.8555	0.2211
PISO 2	15	29	D+0.75(L-0.7EY) Min	-1.2651	-12.3944	44.9197	-22.3982	-1.973	-0.3009
PISO 2	15	29	ENVE CIM Max	2.8677	13.5534	65.6796	36.0137	4.7694	0.3135
PISO 2	15	29	ENVE CIM Min	-3.0541	-16.2904	37.1562	-30.9319	-4.9048	-0.3825
PISO 2	16	31	D+L	-0.1938	1.3939	41.2308	0.2141	-0.3251	-0.0375
PISO 2	16	31	D+.7EX Max	2.8289	2.633	40.755	2.2626	4.5836	0.0997
PISO 2	16	31	D+.7EX Min	-3.1786	0.1811	38.3455	-2.741	-5.1545	-0.1626
PISO 2	16	31	D-.7EX Max	2.8289	2.633	40.755	2.2626	4.5836	0.0997
PISO 2	16	31	D-.7EX Min	-3.1786	0.1811	38.3455	-2.741	-5.1545	-0.1626
PISO 2	16	31	D+0.75(L+0.7EX) Max	2.0637	2.3167	41.7142	1.9771	3.3365	0.0624
PISO 2	16	31	D+0.75(L+0.7EX) Min	-2.4419	0.4777	39.9071	-1.7756	-3.967	-0.1343
PISO 2	16	31	D+0.75(L-0.7EX) Max	2.0637	2.3167	41.7142	1.9771	3.3365	0.0624
PISO 2	16	31	D+0.75(L-0.7EX) Min	-2.4419	0.4777	39.9071	-1.7756	-3.967	-0.1343
PISO 2	16	31	D+.7EY Max	3.0029	17.7482	56.7737	34.633	5.0166	0.3204
PISO 2	16	31	D+.7EY Min	-3.3526	-14.9341	22.3268	-35.1113	-5.5875	-0.3833
PISO 2	16	31	D-.7EY Max	3.0029	17.7482	56.7737	34.633	5.0166	0.3204
PISO 2	16	31	D-.7EY Min	-3.3526	-14.9341	22.3268	-35.1113	-5.5875	-0.3833
PISO 2	16	31	D+0.75(L+0.7EY) Max	2.1942	13.653	53.7282	26.2549	3.6613	0.2279
PISO 2	16	31	D+0.75(L+0.7EY) Min	-2.5724	-10.8587	27.893	-26.0533	-4.2918	-0.2999
PISO 2	16	31	D+0.75(L-0.7EY) Max	2.1942	13.653	53.7282	26.2549	3.6613	0.2279
PISO 2	16	31	D+0.75(L-0.7EY) Min	-2.5724	-10.8587	27.893	-26.0533	-4.2918	-0.2999
PISO 2	16	31	ENVE CIM Max	3.0029	17.7482	56.7737	34.633	5.0166	0.3204
PISO 2	16	31	ENVE CIM Min	-3.3526	-14.9341	22.3268	-35.1113	-5.5875	-0.3833
PISO 2	21	204	D+L	-0.3747	-0.4218	22.853	2.8785	-0.5205	-0.046
PISO 2	21	204	D+.7EX Max	2.1194	2.4779	24.5444	7.2619	4.0148	0.1035
PISO 2	21	204	D+.7EX Min	-2.848	-2.6941	19.9028	-3.3919	-4.9909	-0.1796
PISO 2	21	204	D-.7EX Max	2.1194	2.4779	24.5444	7.2619	4.0148	0.1035
PISO 2	21	204	D-.7EX Min	-2.848	-2.6941	19.9028	-3.3919	-4.9909	-0.1796
PISO 2	21	204	D+0.75(L+0.7EX) Max	1.4907	1.5961	24.4362	6.6378	2.8647	0.0621
PISO 2	21	204	D+0.75(L+0.7EX) Min	-2.2349	-2.2829	20.9551	-1.3526	-3.8896	-0.1502
PISO 2	21	204	D+0.75(L-0.7EX) Max	1.4907	1.5961	24.4362	6.6378	2.8647	0.0621
PISO 2	21	204	D+0.75(L-0.7EX) Min	-2.2349	-2.2829	20.9551	-1.3526	-3.8896	-0.1502
PISO 2	21	204	D+.7EY Max	2.1809	21.0011	40.9888	49.8089	4.3363	0.3603
PISO 2	21	204	D+.7EY Min	-2.9095	-21.2174	3.4584	-45.939	-5.3124	-0.4363
PISO 2	21	204	D-.7EY Max	2.1809	21.0011	40.9888	49.8089	4.3363	0.3603
PISO 2	21	204	D-.7EY Min	-2.9095	-21.2174	3.4584	-45.939	-5.3124	-0.4363
PISO 2	21	204	D+0.75(L+0.7EY) Max	1.5368	15.4886	36.7695	38.5481	3.1058	0.2547
PISO 2	21	204	D+0.75(L+0.7EY) Min	-2.281	-16.1753	8.6217	-33.2629	-4.1307	-0.3428
PISO 2	21	204	D+0.75(L-0.7EY) Max	1.5368	15.4886	36.7695	38.5481	3.1058	0.2547
PISO 2	21	204	D+0.75(L-0.7EY) Min	-2.281	-16.1753	8.6217	-33.2629	-4.1307	-0.3428



Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
PISO 2	21	204	ENVE CIM Max	2.1809	21.0011	40.9888	49.8089	4.3363	0.3603
PISO 2	21	204	ENVE CIM Min	-2.9095	-21.2174	3.4584	-45.939	-5.3124	-0.4363
PISO 2	23	205	D+L	-0.0778	-1.3886	29.3188	3.8722	-0.0449	-0.0449
PISO 2	23	205	D+.7EX Max	2.4131	1.3762	28.4058	8.4157	4.4726	0.1125
PISO 2	23	205	D+.7EX Min	-2.556	-3.8217	23.8038	-2.2679	-4.5648	-0.1885
PISO 2	23	205	D-.7EX Max	2.4131	1.3762	28.4058	8.4157	4.4726	0.1125
PISO 2	23	205	D-.7EX Min	-2.556	-3.8217	23.8038	-2.2679	-4.5648	-0.1885
PISO 2	23	205	D+0.75(L+0.7EX) Max	1.7872	0.602	30.2411	7.679	3.3438	0.0697
PISO 2	23	205	D+0.75(L+0.7EX) Min	-1.9396	-3.2964	26.7895	-0.3337	-3.4342	-0.156
PISO 2	23	205	D+0.75(L-0.7EX) Max	1.7872	0.602	30.2411	7.679	3.3438	0.0697
PISO 2	23	205	D+0.75(L-0.7EX) Min	-1.9396	-3.2964	26.7895	-0.3337	-3.4342	-0.156
PISO 2	23	205	D+.7EY Max	1.2492	19.7854	47.4558	50.8557	2.3444	0.3598
PISO 2	23	205	D+.7EY Min	-1.3921	-22.2309	4.7538	-44.7079	-2.4366	-0.4358
PISO 2	23	205	D-.7EY Max	1.2492	19.7854	47.4558	50.8557	2.3444	0.3598
PISO 2	23	205	D-.7EY Min	-1.3921	-22.2309	4.7538	-44.7079	-2.4366	-0.4358
PISO 2	23	205	D+0.75(L+0.7EY) Max	0.9143	14.409	44.5286	39.509	1.7477	0.2552
PISO 2	23	205	D+0.75(L+0.7EY) Min	-1.0667	-17.1033	12.5021	-32.1637	-1.8381	-0.3415
PISO 2	23	205	D+0.75(L-0.7EY) Max	0.9143	14.409	44.5286	39.509	1.7477	0.2552
PISO 2	23	205	D+0.75(L-0.7EY) Min	-1.0667	-17.1033	12.5021	-32.1637	-1.8381	-0.3415
PISO 2	23	205	ENVE CIM Max	2.4131	19.7854	47.4558	50.8557	4.4726	0.3598
PISO 2	23	205	ENVE CIM Min	-2.556	-22.2309	4.7538	-44.7079	-4.5648	-0.4358
PISO 1	10	64	D+L	-0.2975	9.8284	68.8442	6.021	-0.2287	-0.0084
PISO 1	10	64	D+.7EX Max	0.9471	19.2486	72.3154	7.8181	2.1532	0.2817
PISO 1	10	64	D+.7EX Min	-1.5882	-1.0146	58.2744	2.9671	-2.6634	-0.2974
PISO 1	10	64	D-.7EX Max	0.9471	19.2486	72.3154	7.8181	2.1532	0.2817
PISO 1	10	64	D-.7EX Min	-1.5882	-1.0146	58.2744	2.9671	-2.6634	-0.2974
PISO 1	10	64	D+0.75(L+0.7EX) Max	0.6475	17.2492	73.2222	7.6831	1.5709	0.2089
PISO 1	10	64	D+0.75(L+0.7EX) Min	-1.254	2.0518	62.6915	4.0448	-2.0415	-0.2254
PISO 1	10	64	D+0.75(L-0.7EX) Max	0.6475	17.2492	73.2222	7.6831	1.5709	0.2089
PISO 1	10	64	D+0.75(L-0.7EX) Min	-1.254	2.0518	62.6915	4.0448	-2.0415	-0.2254
PISO 1	10	64	D+.7EY Max	2.0963	44.0196	100.569	14.2558	3.4947	0.1852
PISO 1	10	64	D+.7EY Min	-2.7373	-25.7857	30.0208	-3.4706	-4.0048	-0.2009
PISO 1	10	64	D-.7EY Max	2.0963	44.0196	100.569	14.2558	3.4947	0.1852
PISO 1	10	64	D-.7EY Min	-2.7373	-25.7857	30.0208	-3.4706	-4.0048	-0.2009
PISO 1	10	64	D+0.75(L+0.7EY) Max	1.5093	35.8275	94.4125	12.5113	2.577	0.1365
PISO 1	10	64	D+0.75(L+0.7EY) Min	-2.1159	-16.5265	41.5013	-0.7835	-3.0476	-0.153
PISO 1	10	64	D+0.75(L-0.7EY) Max	1.5093	35.8275	94.4125	12.5113	2.577	0.1365
PISO 1	10	64	D+0.75(L-0.7EY) Min	-2.1159	-16.5265	41.5013	-0.7835	-3.0476	-0.153
PISO 1	10	64	ENVE CIM Max	2.0963	44.0196	100.569	14.2558	3.4947	0.1817
PISO 1	10	64	ENVE CIM Min	-2.7373	-25.7857	30.0208	-3.4706	-4.0048	-0.2974
PISO 1	19	252	D+L	-0.0183	0.6421	58.1849	-0.6498	0.0127	-0.0113
PISO 1	19	252	D+.7EX Max	0.479	0.725	51.6386	-0.2147	0.7988	0.0291
PISO 1	19	252	D+.7EX Min	-0.7279	0.3604	44.878	-0.8881	-1.0056	-0.0441
PISO 1	19	252	D-.7EX Max	0.479	0.725	51.6386	-0.2147	0.7988	0.0291
PISO 1	19	252	D-.7EX Min	-0.7279	0.3604	44.878	-0.8881	-1.0056	-0.0441

Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
PISO 1	19	252	D+0.75(L+0.7EX) Max	0.4077	0.754	58.2385	-0.3727	0.6603	0.0171
PISO 1	19	252	D+0.75(L+0.7EX) Min	-0.4974	0.4805	53.168	-0.8777	-0.693	-0.0378
PISO 1	19	252	D+0.75(L-0.7EX) Max	0.4077	0.754	58.2385	-0.3727	0.6603	0.0171
PISO 1	19	252	D+0.75(L-0.7EX) Min	-0.4974	0.4805	53.168	-0.8777	-0.693	-0.0378
PISO 1	19	252	D+.7EY Max	0.1604	0.9808	54.8669	0.1272	0.2959	0.1082
PISO 1	19	252	D+.7EY Min	-0.4093	0.1047	41.6498	-1.2299	-0.5027	-0.1232
PISO 1	19	252	D-.7EY Max	0.1604	0.9808	54.8669	0.1272	0.2959	0.1082
PISO 1	19	252	D-.7EY Min	-0.4093	0.1047	41.6498	-1.2299	-0.5027	-0.1232
PISO 1	19	252	D+0.75(L+0.7EY) Max	0.1688	0.9458	60.6597	-0.1163	0.2831	0.0764
PISO 1	19	252	D+0.75(L+0.7EY) Min	-0.2585	0.2887	50.7468	-1.1341	-0.3158	-0.0971
PISO 1	19	252	D+0.75(L-0.7EY) Max	0.1688	0.9458	60.6597	-0.1163	0.2831	0.0764
PISO 1	19	252	D+0.75(L-0.7EY) Min	-0.2585	0.2887	50.7468	-1.1341	-0.3158	-0.0971
PISO 1	19	252	ENVE CIM Max	0.479	0.9808	60.6597	0.1272	0.7988	0.1082
PISO 1	19	252	ENVE CIM Min	-0.7279	0.1047	41.6498	-1.2299	-1.0056	-0.1232
PISO 1	22	246	D+L	0.0767	-0.3458	56.7755	0.3983	0.1085	-0.008
PISO 1	22	246	D+.7EX Max	0.4867	-0.0954	45.7358	0.6922	0.7809	0.0333
PISO 1	22	246	D+.7EX Min	-0.3481	-0.5054	44.9996	-0.0251	-0.5941	-0.0426
PISO 1	22	246	D-.7EX Max	0.4867	-0.0954	45.7358	0.6922	0.7809	0.0333
PISO 1	22	246	D-.7EX Min	-0.3481	-0.5054	44.9996	-0.0251	-0.5941	-0.0426
PISO 1	22	246	D+0.75(L+0.7EX) Max	0.3879	-0.1807	54.1996	0.6512	0.6204	0.0213
PISO 1	22	246	D+0.75(L+0.7EX) Min	-0.2382	-0.4882	53.6475	0.1132	-0.4109	-0.0357
PISO 1	22	246	D+0.75(L-0.7EX) Max	0.3879	-0.1807	54.1996	0.6512	0.6204	0.0213
PISO 1	22	246	D+0.75(L-0.7EX) Min	-0.2382	-0.4882	53.6475	0.1132	-0.4109	-0.0357
PISO 1	22	246	D+.7EY Max	0.2427	0.4211	47.7998	1.0671	0.3972	0.0919
PISO 1	22	246	D+.7EY Min	-0.1041	-1.0219	42.9355	-0.4	-0.2104	-0.1012
PISO 1	22	246	D-.7EY Max	0.2427	0.4211	47.7998	1.0671	0.3972	0.0919
PISO 1	22	246	D-.7EY Min	-0.1041	-1.0219	42.9355	-0.4	-0.2104	-0.1012
PISO 1	22	246	D+0.75(L+0.7EY) Max	0.2049	0.2067	55.7477	0.9323	0.3326	0.0652
PISO 1	22	246	D+0.75(L+0.7EY) Min	-0.0552	-0.8756	52.0995	-0.168	-0.1231	-0.0796
PISO 1	22	246	D+0.75(L-0.7EY) Max	0.2049	0.2067	55.7477	0.9323	0.3326	0.0652
PISO 1	22	246	D+0.75(L-0.7EY) Min	-0.0552	-0.8756	52.0995	-0.168	-0.1231	-0.0796
PISO 1	22	246	ENVE CIM Max	0.4867	0.4211	56.7755	1.0671	0.7809	0.0919
PISO 1	22	246	ENVE CIM Min	-0.3481	-1.0219	42.9355	-0.4	-0.5941	-0.1012
PISO 1	27	247	D+L	0.0542	-0.4601	57.2188	0.567	0.0846	-0.0138
PISO 1	27	247	D+.7EX Max	0.4071	-0.0704	46.3268	1.0563	0.6767	0.0279
PISO 1	27	247	D+.7EX Min	-0.3265	-0.6967	45.5537	-0.1524	-0.5504	-0.0469
PISO 1	27	247	D-.7EX Max	0.4071	-0.0704	46.3268	1.0563	0.6767	0.0279
PISO 1	27	247	D-.7EX Min	-0.3265	-0.6967	45.5537	-0.1524	-0.5504	-0.0469
PISO 1	27	247	D+0.75(L+0.7EX) Max	0.3258	-0.2061	54.6891	0.9915	0.5394	0.0153
PISO 1	27	247	D+0.75(L+0.7EX) Min	-0.2244	-0.6758	54.1093	0.085	-0.3809	-0.0408
PISO 1	27	247	D+0.75(L-0.7EX) Max	0.3258	-0.2061	54.6891	0.9915	0.5394	0.0153
PISO 1	27	247	D+0.75(L-0.7EX) Min	-0.2244	-0.6758	54.1093	0.085	-0.3809	-0.0408
PISO 1	27	247	D+.7EY Max	0.2065	0.7451	47.8578	1.7646	0.3501	0.0958
PISO 1	27	247	D+.7EY Min	-0.126	-1.5122	44.0227	-0.8607	-0.2237	-0.1148
PISO 1	27	247	D-.7EY Max	0.2065	0.7451	47.8578	1.7646	0.3501	0.0958

Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
PISO 1	27	247	D-.7EY Min	-0.126	-1.5122	44.0227	-0.8607	-0.2237	-0.1148
PISO 1	27	247	D+0.75(L+0.7EY) Max	0.1754	0.4055	55.8374	1.5227	0.2945	0.0662
PISO 1	27	247	D+0.75(L+0.7EY) Min	-0.0739	-1.2875	52.961	-0.4462	-0.1359	-0.0917
PISO 1	27	247	D+0.75(L-0.7EY) Max	0.1754	0.4055	55.8374	1.5227	0.2945	0.0662
PISO 1	27	247	D+0.75(L-0.7EY) Min	-0.0739	-1.2875	52.961	-0.4462	-0.1359	-0.0917
PISO 1	27	247	ENVE CIM Max	0.4071	0.7451	57.2188	1.7646	0.6767	0.0958
PISO 1	27	247	ENVE CIM Min	-0.3265	-1.5122	44.0227	-0.8607	-0.5504	-0.1148
PISO 1	46	250	D+L	0.0325	-0.1412	56.3656	0.3031	0.0615	-0.0152
PISO 1	46	250	D+.7EX Max	0.3008	0.2786	45.4278	1.1698	0.5367	0.0625
PISO 1	46	250	D+.7EX Min	-0.2631	-0.579	44.5097	-0.6548	-0.4555	-0.0845
PISO 1	46	250	D-.7EX Max	0.3008	0.2786	45.4278	1.1698	0.5367	0.0625
PISO 1	46	250	D-.7EX Min	-0.2631	-0.579	44.5097	-0.6548	-0.4555	-0.0845
PISO 1	46	250	D+0.75(L+0.7EX) Max	0.2405	0.1782	53.8607	0.9759	0.4283	0.041
PISO 1	46	250	D+0.75(L+0.7EX) Min	-0.1824	-0.465	53.1721	-0.3925	-0.3158	-0.0692
PISO 1	46	250	D+0.75(L-0.7EX) Max	0.2405	0.1782	53.8607	0.9759	0.4283	0.041
PISO 1	46	250	D+0.75(L-0.7EX) Min	-0.1824	-0.465	53.1721	-0.3925	-0.3158	-0.0692
PISO 1	46	250	D+.7EY Max	0.1729	1.126	48.2687	2.2355	0.3028	0.0769
PISO 1	46	250	D+.7EY Min	-0.1353	-1.4264	41.6687	-1.7205	-0.2216	-0.0989
PISO 1	46	250	D-.7EY Max	0.1729	1.126	48.2687	2.2355	0.3028	0.0769
PISO 1	46	250	D-.7EY Min	-0.1353	-1.4264	41.6687	-1.7205	-0.2216	-0.0989
PISO 1	46	250	D+0.75(L+0.7EY) Max	0.1447	0.8138	55.9914	1.7752	0.2529	0.0518
PISO 1	46	250	D+0.75(L+0.7EY) Min	-0.0865	-1.1006	51.0414	-1.1918	-0.1404	-0.0801
PISO 1	46	250	D+0.75(L-0.7EY) Max	0.1447	0.8138	55.9914	1.7752	0.2529	0.0518
PISO 1	46	250	D+0.75(L-0.7EY) Min	-0.0865	-1.1006	51.0414	-1.1918	-0.1404	-0.0801
PISO 1	46	250	ENVE CIM Max	0.3008	1.126	56.3656	2.2355	0.5367	0.0769
PISO 1	46	250	ENVE CIM Min	-0.2631	-1.4264	41.6687	-1.7205	-0.4555	-0.0989
PISO 1	48	251	D+L	-0.1148	0.8991	49.8999	-0.6899	-0.0901	-0.0149
PISO 1	48	251	D+.7EX Max	0.2922	2.1362	43.4226	1.6654	0.4987	0.0585
PISO 1	48	251	D+.7EX Min	-0.4021	-0.7687	38.712	-2.7486	-0.5699	-0.0822
PISO 1	48	251	D-.7EX Max	0.2922	2.1362	43.4226	1.6654	0.4987	0.0585
PISO 1	48	251	D-.7EX Min	-0.4021	-0.7687	38.712	-2.7486	-0.5699	-0.0822
PISO 1	48	251	D+0.75(L+0.7EX) Max	0.1605	1.9346	49.4582	1.0024	0.3243	0.0386
PISO 1	48	251	D+0.75(L+0.7EX) Min	-0.3602	-0.244	45.9253	-2.3081	-0.4772	-0.0669
PISO 1	48	251	D+0.75(L-0.7EX) Max	0.1605	1.9346	49.4582	1.0024	0.3243	0.0386
PISO 1	48	251	D+0.75(L-0.7EX) Min	-0.3602	-0.244	45.9253	-2.3081	-0.4772	-0.0669
PISO 1	48	251	D+.7EY Max	0.4119	3.1815	54.2743	3.75	0.5401	0.0301
PISO 1	48	251	D+.7EY Min	-0.5218	-1.814	27.8603	-4.8332	-0.6112	-0.0539
PISO 1	48	251	D-.7EY Max	0.4119	3.1815	54.2743	3.75	0.5401	0.0301
PISO 1	48	251	D-.7EY Min	-0.5218	-1.814	27.8603	-4.8332	-0.6112	-0.0539
PISO 1	48	251	D+0.75(L+0.7EY) Max	0.2503	2.7186	57.597	2.5659	0.3553	0.0173
PISO 1	48	251	D+0.75(L+0.7EY) Min	-0.45	-1.028	37.7865	-3.8716	-0.5082	-0.0457
PISO 1	48	251	D+0.75(L-0.7EY) Max	0.2503	2.7186	57.597	2.5659	0.3553	0.0173
PISO 1	48	251	D+0.75(L-0.7EY) Min	-0.45	-1.028	37.7865	-3.8716	-0.5082	-0.0457
PISO 1	48	251	ENVE CIM Max	0.4119	3.1815	57.597	3.75	0.5401	0.0585
PISO 1	48	251	ENVE CIM Min	-0.5218	-1.814	27.8603	-4.8332	-0.6112	-0.0822

Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4	74	D+L	-3.5393	12.7851	108.7897	-10.6981	-3.0376	-0.0174
Base	4	74	D+.7EX Max	-1.8856	10.413	88.8911	-4.8692	-1.2704	0.046
Base	4	74	D+.7EX Min	-2.8491	7.769	86.8239	-10.4306	-2.8155	-0.0734
Base	4	74	D-.7EX Max	-1.8856	10.413	88.8911	-4.8692	-1.2704	0.046
Base	4	74	D-.7EX Min	-2.8491	7.769	86.8239	-10.4306	-2.8155	-0.0734
Base	4	74	D+0.75(L+0.7EX) Max	-2.8849	12.8531	104.3319	-7.8505	-2.2095	0.0283
Base	4	74	D+0.75(L+0.7EX) Min	-3.6076	10.87	102.7814	-12.0216	-3.3684	-0.0612
Base	4	74	D+0.75(L-0.7EX) Max	-2.8849	12.8531	104.3319	-7.8505	-2.2095	0.0283
Base	4	74	D+0.75(L-0.7EX) Min	-3.6076	10.87	102.7814	-12.0216	-3.3684	-0.0612
Base	4	74	D+.7EY Max	-1.2755	12.1265	89.2323	-1.7072	-0.4235	0.1124
Base	4	74	D+.7EY Min	-3.4591	6.0554	86.4827	-13.5926	-3.6624	-0.1398
Base	4	74	D-.7EY Max	-1.2755	12.1265	89.2323	-1.7072	-0.4235	0.1124
Base	4	74	D-.7EY Min	-3.4591	6.0554	86.4827	-13.5926	-3.6624	-0.1398
Base	4	74	D+0.75(L+0.7EY) Max	-2.4274	14.1382	104.5878	-5.4791	-1.5744	0.0781
Base	4	74	D+0.75(L+0.7EY) Min	-4.0651	9.5849	102.5256	-14.3931	-4.0035	-0.111
Base	4	74	D+0.75(L-0.7EY) Max	-2.4274	14.1382	104.5878	-5.4791	-1.5744	0.0781
Base	4	74	D+0.75(L-0.7EY) Min	-4.0651	9.5849	102.5256	-14.3931	-4.0035	-0.111
Base	4	74	ENVE CIM Max	-1.2755	14.1382	108.7897	-1.7072	-0.4235	0.1124
Base	4	74	ENVE CIM Min	-4.0651	6.0554	86.4827	-14.3931	-4.0035	-0.1398
Base	5	75	D+L	-0.1043	5.0057	73.263	-4.1353	-0.0764	0.0029
Base	5	75	D+.7EX Max	0.3761	4.0687	61.425	-1.4104	0.6942	0.0572
Base	5	75	D+.7EX Min	-0.8223	2.7538	57.8043	-4.244	-1.0669	-0.0576
Base	5	75	D-.7EX Max	0.3761	4.0687	61.425	-1.4104	0.6942	0.0572
Base	5	75	D-.7EX Min	-0.8223	2.7538	57.8043	-4.244	-1.0669	-0.0576
Base	5	75	D+0.75(L+0.7EX) Max	0.3154	5.1002	71.2086	-2.7456	0.5565	0.0452
Base	5	75	D+0.75(L+0.7EX) Min	-0.5834	4.114	68.4932	-4.8709	-0.7643	-0.0409
Base	5	75	D+0.75(L-0.7EX) Max	0.3154	5.1002	71.2086	-2.7456	0.5565	0.0452
Base	5	75	D+0.75(L-0.7EX) Min	-0.5834	4.114	68.4932	-4.8709	-0.7643	-0.0409
Base	5	75	D+.7EY Max	1.0844	4.7208	63.1293	0.0565	1.6345	0.1157
Base	5	75	D+.7EY Min	-1.5305	2.1017	56.1	-5.7109	-2.0071	-0.116
Base	5	75	D-.7EY Max	1.0844	4.7208	63.1293	0.0565	1.6345	0.1157
Base	5	75	D-.7EY Min	-1.5305	2.1017	56.1	-5.7109	-2.0071	-0.116
Base	5	75	D+0.75(L+0.7EY) Max	0.8466	5.5893	72.4869	-1.6454	1.2617	0.089
Base	5	75	D+0.75(L+0.7EY) Min	-1.1146	3.6249	67.2149	-5.9711	-1.4695	-0.0847
Base	5	75	D+0.75(L-0.7EY) Max	0.8466	5.5893	72.4869	-1.6454	1.2617	0.089
Base	5	75	D+0.75(L-0.7EY) Min	-1.1146	3.6249	67.2149	-5.9711	-1.4695	-0.0847
Base	5	75	ENVE CIM Max	1.0844	5.5893	73.263	0.0565	1.6345	0.1157
Base	5	75	ENVE CIM Min	-1.5305	2.1017	56.1	-5.9711	-2.0071	-0.116
Base	7	198	D+L	-0.1258	-2.1505	49.2207	4.1208	-0.0638	0.0076
Base	7	198	D+.7EX Max	0.6135	0.9189	47.2264	3.8978	1.034	0.2118
Base	7	198	D+.7EX Min	-0.8873	-4.97	40.4905	3.3903	-1.2102	-0.2005
Base	7	198	D-.7EX Max	0.6135	0.9189	47.2264	3.8978	1.034	0.2118
Base	7	198	D-.7EX Min	-0.8873	-4.97	40.4905	3.3903	-1.2102	-0.2005
Base	7	198	D+0.75(L+0.7EX) Max	0.4342	0.0891	50.4061	4.192	0.7717	0.1617
Base	7	198	D+0.75(L+0.7EX) Min	-0.6913	-4.3276	45.3542	3.8113	-0.9115	-0.1475

Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	7	198	D+0.75(L-0.7EX) Max	0.4342	0.0891	50.4061	4.192	0.7717	0.1617
Base	7	198	D+0.75(L-0.7EX) Min	-0.6913	-4.3276	45.3542	3.8113	-0.9115	-0.1475
Base	7	198	D+.7EY Max	1.2488	5.7526	50.9401	4.3903	2.0807	0.1093
Base	7	198	D+.7EY Min	-1.5226	-9.8037	36.7768	2.8978	-2.257	-0.0979
Base	7	198	D-.7EY Max	1.2488	5.7526	50.9401	4.3903	2.0807	0.1093
Base	7	198	D-.7EY Min	-1.5226	-9.8037	36.7768	2.8978	-2.257	-0.0979
Base	7	198	D+0.75(L+0.7EY) Max	0.9107	3.7143	53.1914	4.5613	1.5568	0.0848
Base	7	198	D+0.75(L+0.7EY) Min	-1.1679	-7.9529	42.5689	3.442	-1.6965	-0.0706
Base	7	198	D+0.75(L-0.7EY) Max	0.9107	3.7143	53.1914	4.5613	1.5568	0.0848
Base	7	198	D+0.75(L-0.7EY) Min	-1.1679	-7.9529	42.5689	3.442	-1.6965	-0.0706
Base	7	198	ENVE CIM Max	1.2488	5.7526	53.1914	4.5613	2.0807	0.2118
Base	7	198	ENVE CIM Min	-1.5226	-9.8037	36.7768	2.8978	-2.257	-0.2005
Base	8	197	D+L	2.2986	-3.584	84.1886	-8.5081	0.5479	-0.0065
Base	8	197	D+.7EX Max	12.5544	-0.6679	76.103	-6.5632	3.5774	0.3025
Base	8	197	D-.7EX Min	-8.322	-5.7289	69.3565	-8.1203	-2.674	-0.3158
Base	8	197	D-.7EX Max	12.5544	-0.6679	76.103	-6.5632	3.5774	0.3025
Base	8	197	D-.7EX Min	-8.322	-5.7289	69.3565	-8.1203	-2.674	-0.3158
Base	8	197	D+0.75(L+0.7EX) Max	10.0817	-1.5898	83.8538	-7.6325	2.8681	0.2253
Base	8	197	D+0.75(L+0.7EX) Min	-5.5757	-5.3855	78.794	-8.8004	-1.8205	-0.2384
Base	8	197	D+0.75(L-0.7EX) Max	10.0817	-1.5898	83.8538	-7.6325	2.8681	0.2253
Base	8	197	D+0.75(L-0.7EX) Min	-5.5757	-5.3855	78.794	-8.8004	-1.8205	-0.2384
Base	8	197	D+.7EY Max	9.0864	4.0327	81.123	-5.297	2.8502	0.075
Base	8	197	D+.7EY Min	-4.854	-10.4294	64.3365	-9.3865	-1.9467	-0.0882
Base	8	197	D-.7EY Max	9.0864	4.0327	81.123	-5.297	2.8502	0.075
Base	8	197	D-.7EY Min	-4.854	-10.4294	64.3365	-9.3865	-1.9467	-0.0882
Base	8	197	D+0.75(L+0.7EY) Max	7.4807	1.9357	87.6188	-6.6829	2.3227	0.0546
Base	8	197	D+0.75(L+0.7EY) Min	-2.9747	-8.9109	75.029	-9.7501	-1.275	-0.0678
Base	8	197	D+0.75(L-0.7EY) Max	7.4807	1.9357	87.6188	-6.6829	2.3227	0.0546
Base	8	197	D+0.75(L-0.7EY) Min	-2.9747	-8.9109	75.029	-9.7501	-1.275	-0.0678
Base	8	197	ENVE CIM Max	12.5544	4.0327	87.6188	-5.297	3.5774	0.3025
Base	8	197	ENVE CIM Min	-8.322	-10.4294	64.3365	-9.7501	-2.674	-0.3158
Base	9	336	D+L	-5.8076	-0.0801	71.0773	7.534	-0.7081	0.0021
Base	9	336	D+.7EX Max	7.7218	4.7416	67.0722	7.8097	-0.4589	0.0193
Base	9	336	D+.7EX Min	-17.7962	-4.9716	61.1145	6.0502	-1.0077	-0.0147
Base	9	336	D-.7EX Max	7.7218	4.7416	67.0722	7.8097	-0.4589	0.0193
Base	9	336	D-.7EX Min	-17.7962	-4.9716	61.1145	6.0502	-1.0077	-0.0147
Base	9	336	D+0.75(L+0.7EX) Max	3.9542	3.5537	71.5655	8.0428	-0.5086	0.0149
Base	9	336	D+0.75(L+0.7EX) Min	-15.1843	-3.7313	67.0972	6.7231	-0.9202	-0.0106
Base	9	336	D+0.75(L-0.7EX) Max	3.9542	3.5537	71.5655	8.0428	-0.5086	0.0149
Base	9	336	D+0.75(L-0.7EX) Min	-15.1843	-3.7313	67.0972	6.7231	-0.9202	-0.0106
Base	9	336	D+.7EY Max	3.7965	9.8633	69.6362	11.3702	0.0507	0.0373
Base	9	336	D+.7EY Min	-13.8709	-10.0933	58.5505	2.4898	-1.5173	-0.0328
Base	9	336	D-.7EY Max	3.7965	9.8633	69.6362	11.3702	0.0507	0.0373
Base	9	336	D-.7EY Min	-13.8709	-10.0933	58.5505	2.4898	-1.5173	-0.0328
Base	9	336	D+0.75(L+0.7EY) Max	1.0102	7.3949	73.4885	10.7131	-0.1264	0.0284

Table 1.1 - Joint Reactions (continued)

Story	Joint Label	Unique Name	Load Case/Combo	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	9	336	D+0.75(L+0.7EY) Min	-12.2403	-7.5725	65.1742	4.0528	-1.3024	-0.0242
Base	9	336	D+0.75(L-0.7EY) Max	1.0102	7.3949	73.4885	10.7131	-0.1264	0.0284
Base	9	336	D+0.75(L-0.7EY) Min	-12.2403	-7.5725	65.1742	4.0528	-1.3024	-0.0242
Base	9	336	ENVE CIM Max	7.7218	9.8633	73.4885	11.3702	0.0507	0.0373
Base	9	336	ENVE CIM Min	-17.7962	-10.0933	58.5505	2.4898	-1.5173	-0.0328
Base	20	111	D+L	-0.6018	3.1516	52.7371	-2.6598	-0.4756	-0.0076
Base	20	111	D+.7EX Max	0.4777	2.3967	45.3726	-1.5109	0.959	0.07
Base	20	111	D+.7EX Min	-1.4559	2.028	39.2314	-2.2248	-1.7445	-0.0808
Base	20	111	D-.7EX Max	0.4777	2.3967	45.3726	-1.5109	0.959	0.07
Base	20	111	D-.7EX Min	-1.4559	2.028	39.2314	-2.2248	-1.7445	-0.0808
Base	20	111	D+0.75(L+0.7EX) Max	0.1515	3.055	52.4313	-2.1941	0.5589	0.0495
Base	20	111	D+0.75(L+0.7EX) Min	-1.2987	2.7786	47.8254	-2.7295	-1.4687	-0.0636
Base	20	111	D+0.75(L-0.7EX) Max	0.1515	3.055	52.4313	-2.1941	0.5589	0.0495
Base	20	111	D+0.75(L-0.7EX) Min	-1.2987	2.7786	47.8254	-2.7295	-1.4687	-0.0636
Base	20	111	D+.7EY Max	1.3619	2.7767	49.1658	-0.9764	2.1582	0.1554
Base	20	111	D+.7EY Min	-2.3401	1.648	35.4382	-2.7593	-2.9437	-0.1663
Base	20	111	D-.7EY Max	1.3619	2.7767	49.1658	-0.9764	2.1582	0.1554
Base	20	111	D-.7EY Min	-2.3401	1.648	35.4382	-2.7593	-2.9437	-0.1663
Base	20	111	D+0.75(L+0.7EY) Max	0.8146	3.34	55.2762	-1.7932	1.4583	0.1136
Base	20	111	D+0.75(L+0.7EY) Min	-1.9618	2.4936	44.9805	-3.1304	-2.3681	-0.1277
Base	20	111	D+0.75(L-0.7EY) Max	0.8146	3.34	55.2762	-1.7932	1.4583	0.1136
Base	20	111	D+0.75(L-0.7EY) Min	-1.9618	2.4936	44.9805	-3.1304	-2.3681	-0.1277
Base	20	111	ENVE CIM Max	1.3619	3.34	55.2762	-0.9764	2.1582	0.1554
Base	20	111	ENVE CIM Min	-2.3401	1.648	35.4382	-3.1304	-2.9437	-0.1663
Base	39	322	D+L	-3.0351	-13.9792	93.8314	11.4559	-2.5396	-0.0137
Base	39	322	D+.7EX Max	-1.7172	-8.7375	77.6141	10.9774	-1.1487	0.0696
Base	39	322	D+.7EX Min	-2.2931	-11.3503	73.897	5.4612	-2.2003	-0.0955
Base	39	322	D-.7EX Max	-1.7172	-8.7375	77.6141	10.9774	-1.1487	0.0696
Base	39	322	D-.7EX Min	-2.2931	-11.3503	73.897	5.4612	-2.2003	-0.0955
Base	39	322	D+0.75(L+0.7EX) Max	-2.5616	-12.0155	90.7064	12.7153	-1.929	0.0484
Base	39	322	D+0.75(L+0.7EX) Min	-2.9936	-13.9751	87.9185	8.5781	-2.7177	-0.0754
Base	39	322	D+0.75(L-0.7EX) Max	-2.5616	-12.0155	90.7064	12.7153	-1.929	0.0484
Base	39	322	D+0.75(L-0.7EX) Min	-2.9936	-13.9751	87.9185	8.5781	-2.7177	-0.0754
Base	39	322	D+.7EY Max	-1.5485	-7.0243	79.7237	14.1214	-1.1066	0.1544
Base	39	322	D+.7EY Min	-2.4618	-13.0635	71.7874	2.3172	-2.2425	-0.1803
Base	39	322	D-.7EY Max	-1.5485	-7.0243	79.7237	14.1214	-1.1066	0.1544
Base	39	322	D-.7EY Min	-2.4618	-13.0635	71.7874	2.3172	-2.2425	-0.1803
Base	39	322	D+0.75(L+0.7EY) Max	-2.4351	-10.7307	92.2886	15.0733	-1.8974	0.112
Base	39	322	D+0.75(L+0.7EY) Min	-3.1201	-15.26	86.3363	6.2201	-2.7493	-0.139
Base	39	322	D+0.75(L-0.7EY) Max	-2.4351	-10.7307	92.2886	15.0733	-1.8974	0.112
Base	39	322	D+0.75(L-0.7EY) Min	-3.1201	-15.26	86.3363	6.2201	-2.7493	-0.139
Base	39	322	ENVE CIM Max	-1.5485	-7.0243	93.8314	15.0733	-1.1066	0.1544
Base	39	322	ENVE CIM Min	-3.1201	-15.26	71.7874	2.3172	-2.7493	-0.1803

**DISEÑO DE ZAPATAS**

ZAPATA TIPO ZT1

## Datos de entrada

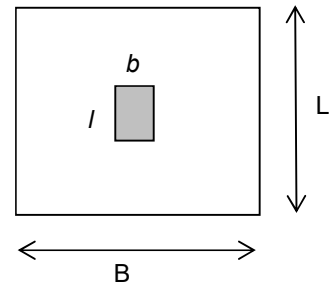
P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
108.8	1.3	141.44	12.9	40	40	45

## Materiales

f'c (MPa)	$\lambda$	fy (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Voladizo
8.856	3	3	Cumple	1.3

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 160000$$

$$0.65 \times 0.85 \times f'c \times A_1 = 1856.4 \text{ kN} > Pu \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN)	$\phi$
15.71555556	145.369	0.75

$$\phi Vc = \phi 0.17 \lambda \sqrt{f'c} \times 400 = 233.71 \text{ kN} > Vu \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
3200	1	40	1414.4	ok

$$\phi Vc = \phi 0.33 \lambda \sqrt{f'c} \times 3200 \times 400 = 1451.76 \text{ kN}$$

$$\phi Vc = \phi 0.17 \lambda \times (1 + 2/\beta) \times \sqrt{f'c} \times bo \times 400 = 2243.63 \text{ kN}$$

$$\phi Vc = \phi 0.083 \lambda \left( \frac{\alpha_s \times d}{bo} + 2 \right) \sqrt{f'c} \times bo \times 400 = 2555.98 \text{ kN}$$

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
13.28	9.22198	0.05	0.002514	10.0570814

Colocar # 5 cada 0.20 m

Son 16 barras en c/direccion L= 2.9 m

**DISEÑO DE ZAPATAS**

ZAPATA TIPO ZT2

**Datos de entrada**

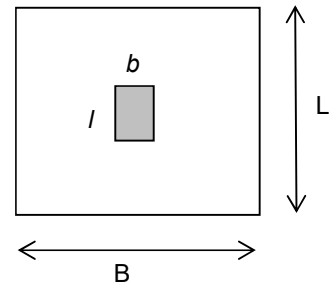
P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
80	1.3	104	12.9	40	40	40

**Materiales**

f <sub>c</sub> (MPa)	$\lambda$	f <sub>y</sub> (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Voladizo
6.822	2.65	2.65	Cumple	1.125

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 160000$$

$$0.65 \times 0.85 \times f'_c \times A_1 = 1856.4 \text{ kN} > P_u \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN)	$\phi$
14.80954076	118.476	0.75

$$\phi V_c = \phi 0.17 \lambda \sqrt{f'_c} \times 350 = 204.50 \text{ kN} > V_u \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
3000	1	40	1040	ok

$$\phi V_c = \phi 0.33 \lambda \sqrt{f'_c} \times 3000 \times 350 = 1190.9 \text{ kN}$$

$$\phi V_c = \phi 0.17 \lambda \times (1 + 2/\beta) \times \sqrt{f'_c} \times bo \times 350 = 1840.48 \text{ kN}$$

$$\phi V_c = \phi 0.083 \lambda \left( \frac{\alpha_s \times d}{bo} + 2 \right) \sqrt{f'_c} \times bo \times 325 = 1761.51 \text{ kN}$$

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
9.37	8.50037	0.05	0.002312	8.09144949

Colocar # 5 cada 0.24 m

Son 12 barras en c/direccion L= 2.55 m

**DISEÑO DE ZAPATAS**

ZAPATA TIPO ZT3

## Datos de entrada

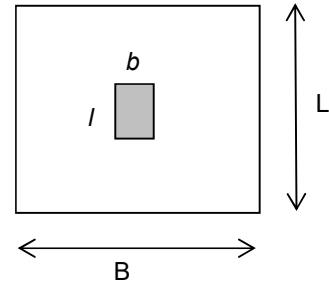
P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
65.3	1.3	84.89	12.9	40	40	35

## Materiales

f <sub>c</sub> (MPa)	$\lambda$	f <sub>y</sub> (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Voladizo
5.568	2.4	2.4	Cumple	1

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 160000$$

$$0.65 \times 0.85 \times f'_c \times A_1 = 1856.4 \text{ kN} > P_u \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN)	$\phi$
14.73784722	106.849	0.75

$$\phi V_c = \phi 0.17 \lambda \sqrt{f'_c} \times 300 = 175.28 \text{ kN} > V_u \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
2800	1	40	848.9	ok

$$\phi V_c = \phi 0.33 \lambda \sqrt{f'_c} \times 2800 \times 300 = 952.72 \text{ kN}$$

$$\phi V_c = \phi 0.17 \lambda \times (1 + 2/\beta) \times \sqrt{f'_c} \times bo \times 300 = 1472.38 \text{ kN}$$

$$\phi V_c = \phi 0.083 \lambda \left( \frac{\alpha_s \cdot d}{bo} + 2 \right) \sqrt{f'_c} \times bo \times 275 = 1302.24 \text{ kN}$$

1691.21593

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
7.37	9.09744	0.05	0.002479	7.43778211

Colocar # 4 cada 0.17 m

Son 15 barras en c/direccion L= 2.3 m

**DISEÑO DE ZAPATAS**

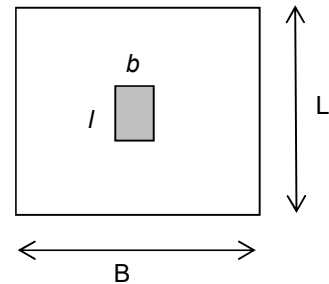
ZAPATA TIPO ZT4

## Datos de entrada

P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
55.5	1.3	72.15	11.7	40	40	35

## Materiales

f <sub>c</sub> (MPa)	$\lambda$	f <sub>y</sub> (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Voladizo
5.218	2.3	2.3	Cumple	0.95

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 160000$$

$$0.65 \times 0.85 \times f'_c \times A_1 = 1856.4 \text{ kN} > P_u \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN)	$\phi$
13.6389414	92.063	0.75

$$\phi V_c = \phi 0.17 \lambda \sqrt{f'_c} \times 300 = 175.28 \text{ kN} > V_u \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
2800	1	40	721.5	ok

$$\phi V_c = \phi 0.33 \lambda \sqrt{f'_c} \times 2800 \times 300 = 952.72 \text{ kN}$$

$$\phi V_c = \phi 0.17 \lambda \times (1 + 2/\beta) \times \sqrt{f'_c} \times bo \times 300 = 1472.38 \text{ kN}$$

$$\phi V_c = \phi 0.083 \lambda \left( \frac{\alpha_s \cdot d}{bo} + 2 \right) \sqrt{f'_c} \times bo \times 275 = 1302.24 \text{ kN}$$

$$1691.21593$$

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
6.15	7.59824	0.05	0.002060	6.18059975

Colocar # 4 cada 0.21 m

Son 11 barras en c/direccion L= 2.2 m

**DISEÑO DE ZAPATAS**

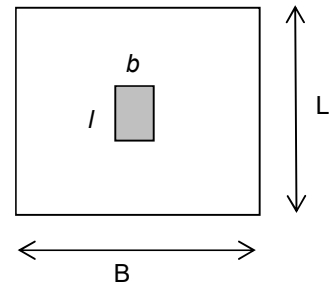
ZAPATA TIPO ZT5

## Datos de entrada

P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
45.5	1.3	59.15	11.7	40	40	30

## Materiales

f <sub>c</sub> (MPa)	$\lambda$	f <sub>y</sub> (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Voladizo
4.278	2.1	2.1	Cumple	0.85

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 160000$$

$$0.65 \times 0.85 \times f'_c \times A_1 = 1856.4 \text{ kN} > P_u \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN)	$\phi$
13.41269841	83.829	0.75

$$\phi V_c = \phi 0.17 \lambda \sqrt{f'_c} \times 250 = 146.07 \text{ kN} > V_u \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
2600	1	40	591.5	ok

$$\phi V_c = \phi 0.33 \lambda \sqrt{f'_c} \times 2600 \times 250 = 737.22 \text{ kN}$$

$$\phi V_c = \phi 0.17 \lambda \times (1 + 2/\beta) \times \sqrt{f'_c} \times bo \times 250 = 1139.34 \text{ kN}$$

$$\phi V_c = \phi 0.083 \lambda \left( \frac{\alpha_s \times d}{bo} + 2 \right) \sqrt{f'_c} \times bo \times 225 = 911.42 \text{ kN}$$

1557.98761

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
4.85	8.61393	0.05	0.002344	5.85907751

Colocar # 4 cada 0.22 m

Son 10 barras en c/direccion L= 2 m



**DISEÑO DE ZAPATAS**

ZAPATA TIPO ZT6

## Datos de entrada

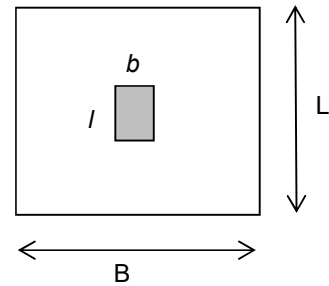
P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
30	1.3	39	10.6	40	40	30

## Materiales

f <sub>c</sub> (MPa)	$\lambda$	f <sub>y</sub> (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Voladizo
3.113	1.8	1.8	Cumple	0.7

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 160000$$

$$0.65 \times 0.85 \times f'_c \times A_1 = 1856.4 \text{ kN} > P_u \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN)	$\phi$
12.03703704	57.176	0.75

$$\phi V_c = \phi 0.17 \lambda \sqrt{f'_c} \times 250 = 146.07 \text{ kN} > V_u \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
2600	1	40	390	ok

$$\phi V_c = \phi 0.33 \lambda \sqrt{f'_c} \times 2600 \times 250 = 737.22 \text{ kN}$$

$$\phi V_c = \phi 0.17 \lambda \times (1 + 2/\beta) \times \sqrt{f'_c} \times bo \times 250 = 1139.34 \text{ kN}$$

$$\phi V_c = \phi 0.083 \lambda \left( \frac{\alpha_s \times d}{bo} + 2 \right) \sqrt{f'_c} \times bo \times 225 = 911.42 \text{ kN}$$

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
2.95	5.24280	0.05	0.001410	5.4

Colocar # 4 cada 0.24 m

Son 8 barras en c/direccion L= 1.7 m

**DISEÑO DE ZAPATAS**

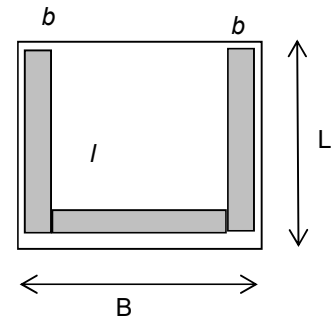
ZAPATA TIPO ZT7

## Datos de entrada

P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
284	1.3	369.2	14.13	30	540	55

## Materiales

f <sub>c</sub> (MPa)	$\lambda$	f <sub>y</sub> (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Luz analisis
22.109	3.7	6.55	Cumple	3.1

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 1620000$$

$$0.65 \times 0.85 \times f'_c \times A_1 = 18796.05 \text{ kN} > P_u \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN/m)	$\phi$
15.234165	159.959	0.75

$$\phi V_c = \phi 0.17 \lambda \sqrt{f'_c} \times 500 = 292.14 \text{ kN} > V_u \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
11900	18	40	3692	ok

$$\phi V_c = \phi 0.33 \lambda \sqrt{f'_c} \times 11900 \times 500 = 6748.42 \text{ kN}$$

$$\phi V_c = \phi 0.17 \lambda \times (1 + 2 / \beta) \times \sqrt{f'_c} \times bo \times 500 = 3862.73 \text{ kN}$$

$$\phi V_c = \phi 0.083 \lambda \left( \frac{\alpha_s \times d}{bo} + 2 \right) \sqrt{f'_c} \times bo \times 475 = 5799.44 \text{ kN}$$

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
18.30	8.13335	0.05	0.002209	11.0463745

Colocar # 5 cada 0.18 m

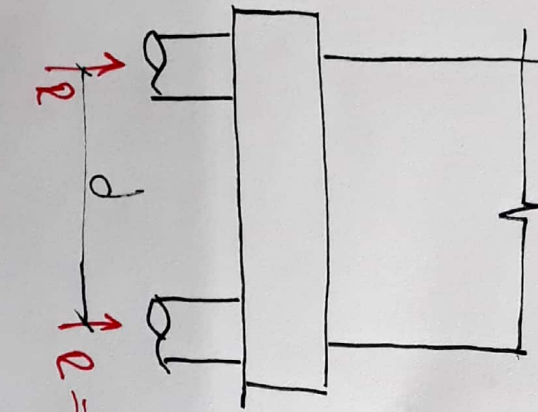
Son 37 barras en c/direccion L= 3.6 m

DISEÑO CIMENTACION NUCLEO PANTALLAS DE CONCRETO  
 DISEÑO CAISSONS PARA FUERZAS SISMICAS  
 JARDIN INFANTIL ARBOLEDA SANTA TERESITA

	P1E	P1F	P2	AXIAL	E/E LARGO		REACCION EN LA ESQUINA POR MOMENTO SISMICO DE VUELCO	REACCION VERTICAL ADICIONAL POR SISMO EN CADA ESQUINA	REACCION EN CADA ESQUINA PARA CALCULO DE 4 PILOTES
					Mx	My			
D-7EX	-147.2428	-189.8052	-187.3823	-524.4303	-444.8616	-88.3131	40.441964	60.22025	100.66221
D-7EY	-207.5622	-268.7308	-123.2381	-599.5311	-259.5646	-186.966	23.596782	78.99545	102.59223
D+7EX	-147.2428	-189.8052	-187.3823	-524.4303	-444.8616	-88.3131	40.441964	60.22025	100.66221
D+7EY	-207.5622	-268.7308	-123.2381	-599.5311	-259.5646	-186.966	23.596782	78.99545	102.59223
D+0.75(L+0.7EY)	-133.2025	-183.3279	-164.4505	-480.9809	-347.7099	-64.6429	31.609991	49.3579	80.96789
D+0.75(L-0.7EY)	-178.442	-242.5221	-116.3423	-537.3064	-208.7372	-138.6325	18.976109	63.439275	82.41538
D+0.75(L-0.7EX)	-133.2025	-183.3279	-164.4505	-480.9809	-347.7099	-64.6429	31.609991	49.3579	80.96789
D+0.75(L+0.7EX)	-178.442	-242.5221	-116.3423	-537.3064	-208.7372	-138.6325	18.976109	63.439275	82.41538
D+L	-79.5419	-127.6039	-76.4035	-283.5493	-42.5572	4.1325	3.868836	0	

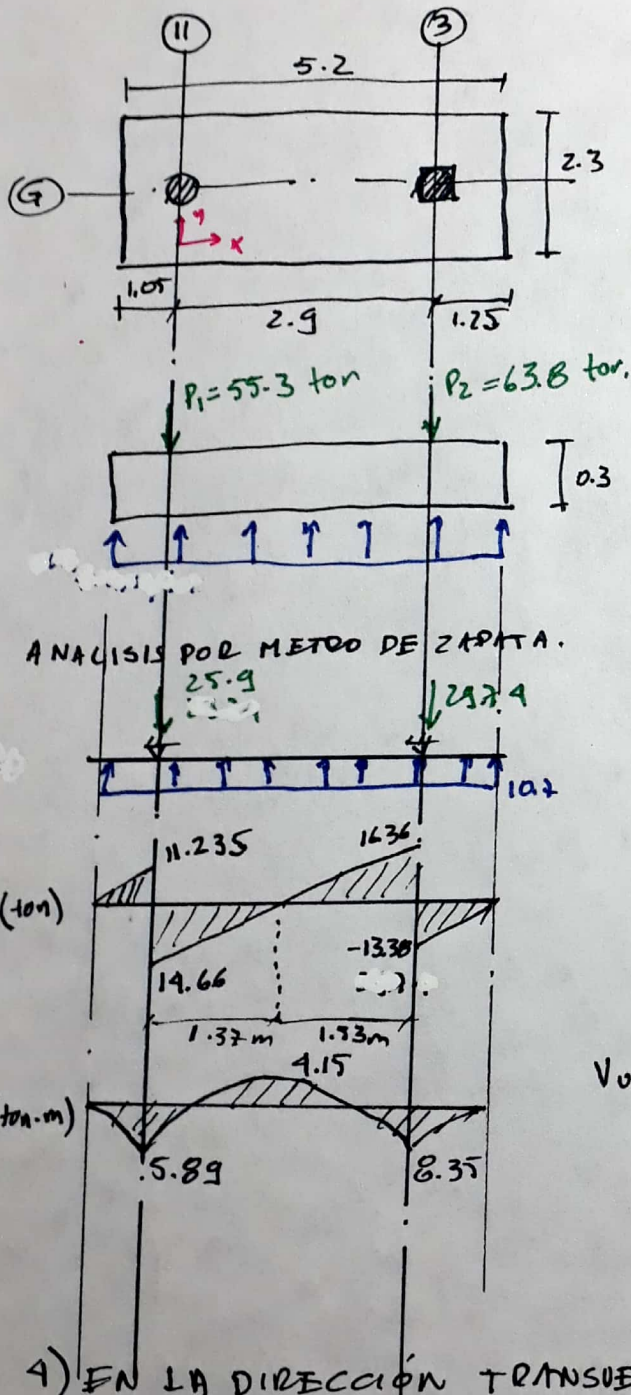
$\downarrow P_g$   
 $\downarrow$  Sismo: Direccion horizontal por sismo

$P_g = 284 \text{ ton} \rightarrow \text{CARGAS GRAVITACIONALES}$   
 (ASUMIDAS POR 24057A  
 212)



$$Q = \frac{(P_{\text{sismo}} - P_g)}{4} + \frac{M_{\text{sismo}}}{2(d)}$$

MEMORIAS DE CALCULO ESTRUCTURAL  
 JARDIN INFANTIL ARBOLEDA SANTA TERESITA MODULO 1  
 ZAPATA COMBINADA ZT4-2  
 SEPTIEMBRE DE 2018



## 1) CENTROIDE

$$a) \text{ PESO ZAPATA: } 5.2 \times 2.3 \times 0.3 \times 2.4 = 8.6 \text{ ton}$$

$$\bar{x} = \frac{63.8 \times 2.9}{(63.8 + 55.3)} = 1.55 \text{ m OK}$$

$$\text{CENTRO GEOMETRICO } 2.6 - 1.05 = 1.55 \text{ OK.}$$

## 2) CARGA NETA

$$P_s = 63.8 + 55.3 + 8.6 = 127.4 \text{ ton}$$

$$q = \frac{127.4}{2.3 \times 5.2} = 10.65 \frac{\text{ton}}{\text{m}^2} \leq 12 \frac{\text{ton}}{\text{m}^2} \text{ OK.}$$

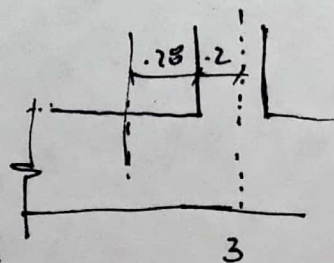
## 3) SOLICITACIONES LONGITUDINALES

$$F.C. = 1.35 \text{ RELACION CARGAS DE SERVICIO VS CARGAS MAYORADAS.}$$

$$V_u = 16.36 \times 1.35 = 22.08 \text{ tonf} \\ = 220.8 \text{ kN}$$

$$M_u = 8.35 \times 1.35 = 11.27 \text{ tonf} \cdot \text{m} \\ = 112.7 \text{ kN} \cdot \text{m}$$

$V_u$  EVALUADO A  $d$  DE LA CARA DEL APOYO  $d = 0.28$



$$V_{u2} = 220.8 \times \frac{(1.53 - 0.48)}{1.53}$$

$$V_{u2} = 151 \text{ kN}$$

## 4) EN LA DIRECCION TRANSVERSAL

$$V_{u2} = 0.95 \text{ m} \quad M_u = 10.7 \times \frac{0.95^2}{2} \times 1.35 = 6.5 \text{ tonf} \cdot \text{m} \quad V_u = 10.7 \times 0.95 = 10.17 \text{ tonf}$$

# CHEQUEO ZAPATA ZT4-2 SNETIDO LONGITUDINAL

## RESISTENCIA ÚLTIMA

### Geometría

b= 100 cm  
h= 35 cm  
R= 7 cm  
d= 28 cm

### Materiales

f'c= 210 kg/cm<sup>2</sup>  
fy= 4200 kg/cm<sup>2</sup>

### Análisis

Mu= 112.7 kN.m  
φ= 0.9  
m= 24  
k= 15.97

## DISEÑO A FLEXIÓN

### Cuantía

ρ= 0.00399  
As req= 11.17 cm<sup>2</sup>  
ρb= 0.02125  
ρmax= 0.01594  
Asmax= 44.63  
#fleje= #3

### Refuerzo

	fila 1		fila 2		
	Cantidad	Barra	Cantidad	Barra	
	5	#6		#8	0.22
	0	#10	0	#5	0.18
As=	14.2	cm <sup>2</sup>	As=	0.00	cm <sup>2</sup>
S=	18.64	cm	S=	-84.10	cm
bsug=	100	cm			
As=	14.20	cm <sup>2</sup>			8.89

## CHEQUEO CORTANTE

Vu= 151.0 kN  
φ= 0.75

### Refuerzo

Ramas	Barra	Separ. (m)
1	#3	100000.00

φVc=	163.6	kN
φVs=	0.0	kN
φVn=	163.6	kN

Av= 0.71 cm<sup>2</sup>

φVn > Vu OK CUMPLE



## CHEQUEO ZAPATA ZT4-2 SNETIDO TRANSVERSAL

### RESISTENCIA ÚLTIMA

#### Geometría

b= 100 cm  
h= 35 cm  
R= 7 cm  
d= 28 cm

#### Materiales

f'c= 210 kg/cm<sup>2</sup>  
fy= 4200 kg/cm<sup>2</sup>

#### Análisis

Mu= 65.0 kN.m  
φ= 0.9  
m= 24  
k= 9.21

### DISEÑO A FLEXIÓN

#### Cuantía

ρ= 0.00225 **min**  
As req= 7.89 cm<sup>2</sup>  
ρb= 0.02125  
ρmax= 0.01594  
Asmax= 44.63  
#fleje= **#3**

#### Refuerzo

fila 1

	Cantidad	Barra
▲	5	<b>#5</b>
▼	0	<b>#10</b>

fila 2

	Cantidad	Barra
	0	<b>#8</b>
	0	<b>#5</b>

As= 9.95 cm<sup>2</sup>  
S= 19.04 cm  
bsug= 100 cm  
As= 9.95 cm<sup>2</sup>

As= 0.00 cm<sup>2</sup>  
S= -84.10 cm

### CHEQUEO CORTANTE

Vu= 107.0 kN  
φ= 0.75

#### Refuerzo

Ramas	Barra	Separ. (m)
1	<b>#3</b>	100000.00

φVc=	163.6	kN
φVs=	0.0	kN
φVn=	163.6	kN

Av= 0.71 cm<sup>2</sup>

φVn > Vu **OK CUMPLE**

# CHEQUEO ZAPATA ZT4-2 REFUERZO SUPERIOR PRINCIPAL

## RESISTENCIA ÚLTIMA

### Geometría

b= 100 cm  
h= 35 cm  
R= 7 cm  
d= 28 cm

### Materiales

f'c= 210 kg/cm<sup>2</sup>  
fy= 4200 kg/cm<sup>2</sup>

### Análisis

Mu= 56.0 kN.m  
φ= 0.9  
m= 24  
k= 7.94

## DISEÑO A FLEXIÓN

### Cuantía

ρ= 0.00200 *min*  
As req= 7.00 cm<sup>2</sup>  
ρb= 0.02125  
ρmax= 0.01594  
Asmax= 44.63  
#fleje= #3

### Refuerzo

fila 1

	Cantidad	Barra
▲	5	#5
▼	0	#10

fila 2

	Cantidad	Barra
	0	#8
	0	#5

As= 9.95 cm<sup>2</sup>  
S= 19.04 cm  
bsug= 100 cm  
As= 9.95 cm<sup>2</sup>

As= 0.00 cm<sup>2</sup>  
S= -84.10 cm

## CHEQUEO CORTANTE

Vu= 107.0 kN  
φ= 0.75

### Refuerzo

Ramas	Barra	Separ. (m)
1	#3	100000.00

φVc=	163.6	kN
φVs=	0.0	kN
φVn=	163.6	kN

Av= 0.71 cm<sup>2</sup>

φVn > Vu OK CUMPLE

**DISEÑO DE VIGAS DE AMARRE DE CIMENTACIÓN**

VIGA: VA

**1. Dimensiones minimas:**

Capacidad de Disipacion: DMO

Luz, L (m)	$h_{\min}$ (cm)	b (cm)	$h_{\text{adop}}$ (cm)
8.65	28.8	40	40

Ok

**2. Refuerzo a traccion y compresion (A.3.6.4.2)**

Aa	0.25Aa	Pu	Tu (t)
0.15	0.0375	100.3	3.76125

Refuerzo a tracción:  $f_y = 4200 \text{ kg/cm}^2$   
 $A_{st} = 0.995 \text{ cm}^2$

Sección a compresión:  $f'_c = 210 \text{ kg/cm}^2$   
 $A_{req} = 27.555 \text{ cm}^2$   
 $A_{\text{viga}} = 1600 \text{ cm}^2$

Ok

**3. Chequeo a Flexión**

Asentamiento diferencial máximo (m): 0.01

$\Delta$ (m)	E (kg/cm <sup>2</sup> )	I (m <sup>4</sup> )	M (t.m)	V (t)	F.Carga
0.01	217370.65	0.001066667	1.86	0.43	1.3

**Refuerzo requerido:**

Mu (t.m)	d (cm)	R (kg/cm <sup>2</sup> )	k	$\rho_{\text{req}}$	As (cm <sup>2</sup> )
2.418	33	0.06168	0.05	0.001664	4.36

Ref. minimo

Vu (t)	$\phi V_c$ (t)	# fleje	Nº ramas	Av (cm <sup>2</sup> )	s (cm)
0.559	5.7024	3	2	0.76	15

S minimo

**RESUMEN:**

As = 4.356 cm<sup>2</sup>  
 Diam. flejes 3/8  
 Separación= 15 cm



## DISEÑO VIGAS DE AMARRE\_JARDIN SANTA TERESITA MODULO 1

## VA-1/

B=0.40 H=0.50 L=8.50	
Mu=-2.72 As=5.97 As(r)=5.81	Mu=-0.54 As=5.97 As(r)=5.81
Mu=0.91 As=5.97 As(r)=5.81	Mu=0.54 As=5.97 As(r)=5.81
Mu=0.54 As=5.97 As(r)=5.81	Mu=0.54 As=5.97 As(r)=5.81
Vu=-1.73	Vu=1.18

## VA-2/

B=0.40 H=0.50 L=7.95		B=0.40 H=0.50 L=4.93		B=0.40 H=0.50 L=2.37	
Mu=-2.39 As=5.97 As(r)=5.81	Mu=-3.62 As=5.97 As(r)=5.81	Mu=-2.20 As=5.97 As(r)=5.81	Mu=-1.73 As=5.97 As(r)=5.81	Mu=-1.62 As=5.97 As(r)=5.81	Mu=-1.51 As=5.97 As(r)=5.81
Mu=0.80 As=5.97 As(r)=5.81	Mu=1.88 As=5.97 As(r)=5.81	Mu=1.21 As=5.97 As(r)=5.81	Mu=0.73 As=5.97 As(r)=5.81	Mu=0.58 As=5.97 As(r)=5.81	Mu=1.01 As=5.97 As(r)=5.81
Mu=0.80 As=5.97 As(r)=5.81	Mu=1.88 As=5.97 As(r)=5.81	Mu=1.21 As=5.97 As(r)=5.81	Mu=0.73 As=5.97 As(r)=5.81	Mu=0.58 As=5.97 As(r)=5.81	Mu=1.01 As=5.97 As(r)=5.81
Vu=-2.10	Vu=2.40	Vu=-1.61	Vu=1.45	Vu=-1.61	Vu=1.52

## VA-2A/

B=0.40 H=0.50 L=7.95	
Mu=-2.19 As=5.97 As(r)=5.81	Mu=-3.57 As=5.97 As(r)=5.81
Mu=0.73 As=5.97 As(r)=5.81	Mu=1.81 As=5.97 As(r)=5.81
Mu=0.73 As=5.97 As(r)=5.81	Mu=1.81 As=5.97 As(r)=5.81
Vu=-2.08	Vu=2.41

## VA-4/PISO 1

B=0.40 H=0.50 L=5.40	
Mu=-1.82 As=5.97 As(r)=5.81	Mu=-2.38 As=5.97 As(r)=5.81
Mu=0.61 As=5.97 As(r)=5.81	Mu=0.92 As=5.97 As(r)=5.81
Mu=0.61 As=5.97 As(r)=5.81	Mu=0.92 As=5.97 As(r)=5.81
Vu=-1.62	Vu=1.68

## VA-5/PISO 1

B=0.40 H=0.50 L=5.40		B=0.40 H=0.50 L=5.40		B=0.40 H=0.50 L=5.40	
Mu=-1.38 As=5.97 As(r)=5.81	Mu=-1.96 As=5.97 As(r)=5.81	Mu=-1.67 As=5.97 As(r)=5.81	Mu=-1.51 As=5.97 As(r)=5.81	Mu=-1.53 As=5.97 As(r)=5.81	Mu=-1.57 As=5.97 As(r)=5.81
Mu=0.46 As=5.97 As(r)=5.81	Mu=0.99 As=5.97 As(r)=5.81	Mu=0.65 As=5.97 As(r)=5.81	Mu=0.72 As=5.97 As(r)=5.81	Mu=0.50 As=5.97 As(r)=5.81	Mu=0.74 As=5.97 As(r)=5.81
Mu=0.46 As=5.97 As(r)=5.81	Mu=0.99 As=5.97 As(r)=5.81	Mu=0.65 As=5.97 As(r)=5.81	Mu=0.72 As=5.97 As(r)=5.81	Mu=0.50 As=5.97 As(r)=5.81	Mu=0.74 As=5.97 As(r)=5.81
Vu=-1.40	Vu=1.73	Vu=-1.60	Vu=1.53	Vu=-1.55	Vu=1.58

B=0.40 H=0.50 L=5.40		B=0.40 H=0.50 L=1.75	
Mu=-1.69 As=5.97 As(r)=5.81	Mu=-1.24 As=5.97 As(r)=5.81	Mu=-1.69 As=5.97 As(r)=5.81	Mu=-1.24 As=5.97 As(r)=5.81
Mu=0.66 As=5.97 As(r)=5.81	Mu=0.89 As=5.97 As(r)=5.81	Mu=0.41 As=5.97 As(r)=5.81	Mu=0.56 As=5.97 As(r)=5.81
Mu=0.66 As=5.97 As(r)=5.81	Mu=0.89 As=5.97 As(r)=5.81	Mu=0.41 As=5.97 As(r)=5.81	Mu=0.56 As=5.97 As(r)=5.81
Vu=-1.67	Vu=1.45	Vu=-1.67	Vu=1.45

## DISEÑO VIGAS DE AMARRE\_JARDIN SANTA TERESITA MODULO 1

## VA-11/PISO 2

B=0.40 H=0.50 L=5.35		B=0.40 H=0.50 L=5.30		B=0.40 H=0.50 L=5.30	
Mu=-3.03 As=5.97 As(r)=5.81	Mu=-4.53 As=5.97 As(r)=5.81	Mu=-4.92 As=5.97 As(r)=5.81	Mu=-5.11 As=5.97 As(r)=5.81	Mu=-4.80 As=5.97 As(r)=5.81	Mu=-5.15 As=5.97 As(r)=5.81
Mu=1.49 As=5.97 As(r)=5.81	Mu=1.93 As=5.97 As(r)=5.81	Mu=2.82 As=5.97 As(r)=5.81	Mu=1.02 As=5.97 As(r)=5.81	Mu=2.68 As=5.97 As(r)=5.81	Mu=1.03 As=5.97 As(r)=5.81
Vu=-2.11	Vu=2.33	Vu=-2.59	Vu=2.65	Vu=-2.53	Vu=2.66

B=0.40 H=0.50 L=5.30		B=0.40 H=0.50 L=1.75	
Mu=-5.24 As=5.97 As(r)=5.81	Mu=-5.39 As=5.97 As(r)=5.81	Mu=-5.24 As=5.97 As(r)=5.81	Mu=-5.39 As=5.97 As(r)=5.81
Mu=3.00 As=5.97 As(r)=5.81	Mu=1.08 As=5.97 As(r)=5.81	Mu=3.55 As=5.97 As(r)=5.81	Mu=3.00 As=5.97 As(r)=5.81
Vu=-2.80	Vu=2.73	Vu=-2.80	Vu=2.73

## VA-12/PISO 2

B=0.50 H=0.50 L=5.50		B=0.50 H=0.50 L=2.65	
Mu=-20.66 As=22.94 As(r)=13.38	Mu=-17.67 As=20.48 As(r)=11.31	Mu=-13.59 As=20.48 As(r)=8.56	Mu=-3.95 As=11.36 As(r)=7.26
Mu=17.35 As=21.56 As(r)=11.09	Mu=4.13 As=11.01 As(r)=7.26	Mu=13.35 As=17.04 As(r)=8.41	Mu=13.06 As=17.04 As(r)=8.21
Vu=-7.72	Vu=7.93	Vu=-6.66	Vu=6.72

## VA-13/PISO 2

B=0.50 H=0.50 L=5.40	
Mu=-41.63 As=30.60 As(r)=29.77	Mu=-45.37 As=35.00 As(r)=33.16
Mu=41.65 As=30.60 As(r)=29.78	Mu=9.07 As=30.60 As(r)=7.26
Vu=-15.23	Vu=16.67

## VA-3/

B=0.40 H=0.50 L=4.93		B=0.40 H=0.50 L=2.37	
Mu=-2.20 As=5.97 As(r)=5.81	Mu=-1.73 As=5.97 As(r)=5.81	Mu=-1.62 As=5.97 As(r)=5.81	Mu=-1.51 As=5.97 As(r)=5.81
Mu=0.73 As=5.97 As(r)=5.81	Mu=0.57 As=5.97 As(r)=5.81	Mu=0.58 As=5.97 As(r)=5.81	Mu=1.01 As=5.97 As(r)=5.81
Vu=-1.61	Vu=1.45	Vu=-1.61	Vu=1.52

# CARGAS

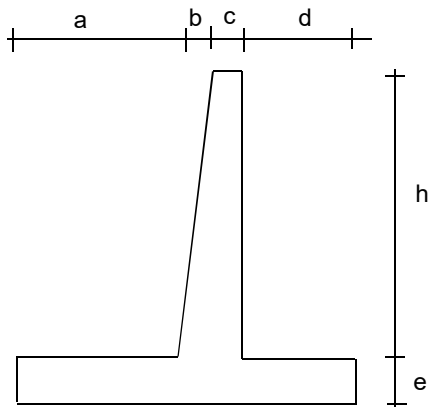
## MURO DE CONTENCION MT1 H libre= 5.50

### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

#### ANALISIS DE CARGAS:

##### 1. PESO PROPIO

Elemento	Peso (kg)	X (m)	Y (m)	Mx (Kg m)	My (kg m)
W1	4320	1.65	3.45	7128	14904
W2	1080	1.85	2.45	1998	2646
W3	5238	2.425	0.225	12702.15	1178.55
W4	35148	3.4	3.45	119503.2	121260.6
W5	909	1.9	4.45	1727.1	4045.05
<b>W Total =</b>	<b>46695</b>			<b>143058.45</b>	<b>144034.2</b>



Geometría del muro	
a (m) =	2.9
b (m) =	0.15
c (m) =	0.3
d (m) =	1.5
e (m) =	0.45
h (m) =	6

##### 2. EMPUJE DEL TERRENO:

Peso unitario (kg/m3)	Ka	H (m)	Sobrecarga h' (m)	Empuje (kg/m)	Z (m)	Momento (kg m)
2020	0.36	6.0	1	17453	2.25	39268.80

##### 3. FUERZA SISMICA:

###### a.- Empuje Activo de Tierras debido al sismo (Método Mononobe-Okabe):

A	$\phi$	$\delta$	$\beta$	i	Kv	Kh
0.15	28	15	0	0	0	0.075

q	Y	Kae	Pae (kg/m)	Ef. dinámico	Ma (kg m)
4.29	2.369	0.38	13816.8	-3636.00	-13089.6

###### b.- Efectos inerciales sobre el muro:

Peso total (kg)	C. G. (m)	Coficiente Sísmico	EQ (kg/ml)	Momento (kg m)
10638	1.76	0.2	2127.6	3744.58

# ESTABILIDAD

## MURO DE CONTENCION MT1 H libre= 5.50

### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

#### ANALISIS DE ESTABILIDAD

HIPOTESIS	Base (m)	Resultante a (m)	s máx delantero(kg/m2)	s min trasero(kg/m2)	s adm. (kg/m2)	F.S volcam.	Tan d	F.S deslizam.
Muro solo	4.85	2.22	12069.5	7186.1	11500	3.6	0.6	1.6
Acción Sismo	4.85	2.14	13022.4	6233.3	15295	3.3	0.6	1.4

≥2.0

>1.5

>1.2

#### Diseño del dentellón:

Hipótesis		Kp	h (m)	Desplante	Alt. diente
Muro solo	CUMPLE	3		1	
Acción Sismo	CUMPLE	3		1	

#### DISEÑO DEL REFUERZO - VASTAGO:

Sección H 0.00 ARRIBA(m)	Empuje (kg)	Z (m)	Mu (kg m)	d (cm)	K (kg/cm2)	r	As (cm2/m)	Vu (kg)	fVc (kg)
2.00	2908.8	0.83	4104.3	25	6.57	0.0018	4.5	4072.32	14400
4.00	8726.4	1.56	23142.4	22.5	45.71	0.014612	32.88	12216.96	12960
6	17452.8	2.25	66757	38	46.23	0.014823	56.33	24433.92	25920

#### ESFUERZOS DE DISEÑO - ZARPA:

	Kg/m2			
	ZARPA TRASERA		ZARPA DELANTERA	
Hipótesis	s a "d"	s en la cara	s a "d"	s en la cara
Muro solo	9713.4	10106.1	10951.9	10559.2
Acción sismo	9746.8	10292.8	11468.6	10922.7
	Vu	Mu	Vu	Mu
	(kg)	(kg m)	(kg)	(kg m)
Muro solo	21377.87	37951.56	11280.49	12634.25
Acción sismo	20214.83	35286.55	11533.67	13337.89
d	38	38	38	38
k(kg/cm2)		26.28		9.24
ρ		0.00764		0.00252
As (cm2/m)		29.04		9.57
φVc(kg)	21888.0			21888.0
chequeo cortante	ok		ok	
colocar 1#	6@	0.10	colocar 1#	5@ 0.21

# CARGAS

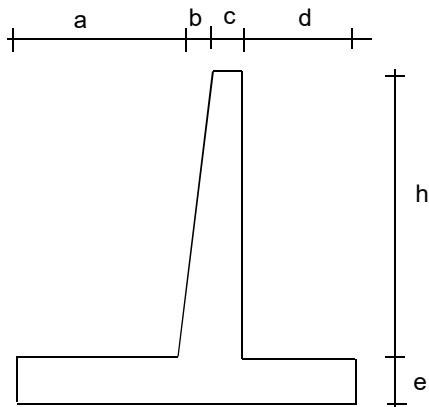
## MURO DE CONTENCION MT2 H libre= 4.5

### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

#### ANALISIS DE CARGAS:

##### 1. PESO PROPIO

Elemento	Peso (kg)	X (m)	Y (m)	Mx (Kg m)	My (kg m)
W1	2700	1.125	2.6	3037.5	7020
W2	540	1.28	1.85	691.2	999
W3	2982	1.775	0.175	5293.05	521.85
W4	19998	2.45	2.6	48995.1	51994.8
W5	454.5	1.32	3.35	599.94	1522.575
<b>W Total =</b>	<b>26674.5</b>			<b>58616.79</b>	<b>62058.225</b>



Geometría del muro	
a (m) =	2.2
b (m) =	0.1
c (m) =	0.25
d (m) =	1
e (m) =	0.35
h (m) =	4.5

##### 2. EMPUJE DEL TERRENO:

Peso unitario (kg/m3)	Ka	H (m)	Sobrecarga h' (m)	Empuje (kg/m)	Z (m)	Momento (kg m)
2020	0.36	4.5	1	10635	1.73	18399.07

##### 3. FUERZA SISMICA:

###### a.- Empuje Activo de Tierras debido al sismo (Método Mononobe-Okabe):

A	$\phi$	$\delta$	$\beta$	i	Kv	Kh
0.15	28	15	0	0	0	0.075

q	Y	Kae	Pae (kg/m)	Ef. dinámico	Ma (kg m)
4.29	2.369	0.38	7771.95	-2863.35	-7731.05

###### b.- Efectos inerciales sobre el muro:

Peso total (kg)	C. G. (m)	Coficiente Sísmico	EQ (kg/ml)	Momento (kg m)
6222	1.37	0.2	1244.4	1704.83

# ESTABILIDAD

## MURO DE CONTENCIÓN MT2 H libre= 4.5

### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

#### ANÁLISIS DE ESTABILIDAD

HIPOTESIS	Base (m)	Resultante a (m)	s máx delantero(kg/m <sup>2</sup> )	s min trasero(kg/m <sup>2</sup> )	s adm. (kg/m <sup>2</sup> )	$\geq 2.0$ F.S volcam.	$> 1.5$ Tan d	F.S deslizam.
Muro solo	3.55	1.51	10879.3	4148.5	11500	3.2	0.6	1.5
Acción Sismo	3.55	1.44	11768.3	3259.6	15295	2.9	0.6	1.3

>1.2

#### Diseño del dentellón:

Hipótesis		Kp	h (m)	Desplante	Alt. diente
Muro solo	<b>CUMPLE</b>	3		1	
Acción Sismo	<b>CUMPLE</b>	3		1	

#### DISEÑO DEL REFUERZO - VASTAGO:

Sección H 0.00 ARRIBA(m)	Empuje (kg)	Z (m)	Mu (kg m)	d (cm)	K (kg/cm <sup>2</sup> )	r	As (cm <sup>2</sup> /m)	Vu (kg)	fVc (kg)
1.50	1908.9	0.64	2076.9	20	5.19	0.0018	3.6	3054.24	11520
3.00	5454	1.2	11126.2	22.5	21.98	0.00628	14.13	8726.4	12960
4.5	10635.3	1.73	31278.4	30	34.75	0.010492	31.48	17016.48	17280

#### ESFUERZOS DE DISEÑO - ZARPA:

Hipótesis	ZARPA TRASERA		ZARPA DELANTERA	
	s a "d"	s en la cara	s a "d"	s en la cara
Muro solo	7769.9	8319.7	9533.1	8983.3
Acción sismo	7837.5	8532.6	10066.6	9371.5
	Vu	Mu	Vu	Mu
	(kg)	(kg m)	(kg)	(kg m)
Muro solo	11203.30	14650.39	5919.60	5123.65
Acción sismo	10431.27	13270.67	6074.31	5484.68
d	28	28	28	28
k(kg/cm <sup>2</sup> )		18.69		7.00
$\rho$		0.00527		0.00189
As (cm <sup>2</sup> /m)		14.76		5.30
$\phi Vc$ (kg)	16128.0			16128.0
chequeo cortante	ok		ok	
colocar 1#	6@	0.19	colocar 1#	4@ 0.24

## CARGAS

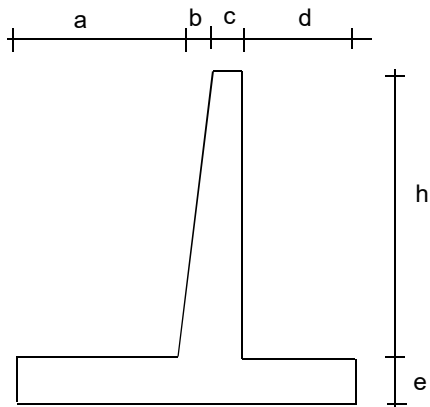
### MURO DE CONTENCIÓN MT3 H = 3.50

#### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

##### ANÁLISIS DE CARGAS:

##### 1. PESO PROPIO

Elemento	Peso (kg)	X (m)	Y (m)	Mx (Kg m)	My (kg m)
W1	2100	0.725	2.05	1522.5	4305
W2	210	0.87	1.47	182.7	308.7
W3	1728	1.2	0.15	2073.6	259.2
W4	10605	1.65	2.05	17498.25	21740.25
W5	176.75	0.88	2.63	155.54	464.8525
<b>W Total =</b>	<b>14819.75</b>			<b>21432.59</b>	<b>27078.0025</b>



Geometría del muro	
a (m) =	1.5
b (m) =	0.05
c (m) =	0.25
d (m) =	0.6
e (m) =	0.3
h (m) =	3.5

##### 2. EMPUJE DEL TERRENO:

Peso unitario (kg/m <sup>3</sup> )	Ka	H (m)	Sobrecarga h' (m)	Empuje (kg/m)	Z (m)	Momento (kg m)
2020	0.36	2.4	1	3840	0.98	3762.83

##### 3. FUERZA SISMICA:

##### a.- Empuje Activo de Tierras debido al sismo (Método Mononobe-Okabe):

A	$\phi$	$\delta$	$\beta$	i	Kv	Kh
0.15	28	15	0	0	0	0.075

q	Y	Kae	Pae (kg/m)	Ef. dinámico	Ma (kg m)
4.29	2.369	0.38	2210.69	-1628.93	-2345.66

##### b.- Efectos inerciales sobre el muro:

Peso total (kg)	C. G. (m)	Coficiente Sísmico	EQ (kg/ml)	Momento (kg m)
4038	1.21	0.2	807.6	977.2

# ESTABILIDAD

## MURO DE CONTENCION MT3 H = 3.50

### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

#### ANALISIS DE ESTABILIDAD

HIPOTESIS	Base (m)	Resultante a (m)	s máx delantero(kg/m2)	s min trasero(kg/m2)	s adm. (kg/m2)	$\geq 2.0$ F.S volcam.	$> 1.5$ Tan d	F.S deslizam.
Muro solo	2.40	1.19	6329.3	6020.5	11500	5.7	0.6	2.3
Acción Sismo	2.40	1.13	7255.5	5094.3	15295	4.5	0.6	1.9

>1.2

#### Diseño del dentellón:

Hipótesis	Kp	h (m)	Desplante	Alt. diente
Muro solo	CUMPLE	3	1	
Acción Sismo	CUMPLE	3	1	

#### DISEÑO DEL REFUERZO - VASTAGO:

Sección H 0.00 ARRIBA(m)	Empuje (kg)	Z (m)	Mu (kg m)	d (cm)	K (kg/cm2)	r	As (cm2/m)	Vu (kg)	fVc (kg)
0.80	814.5	0.36	498.5	20	1.25	0.0018	3.6	1384.65	11520
1.60	2094.3	0.68	2421	22.5	4.78	0.0018	4.05	3560.31	12960
2.4	3839.6	0.98	6396.8	25	10.23	0.002799	7	6527.32	14400

#### ESFUERZOS DE DISEÑO - ZARPA:

Hipótesis	ZARPA TRASERA		ZARPA DELANTERA	
	s a "d"	s en la cara	s a "d"	s en la cara
Muro solo	6182.6	6213.5	6283	6252.1
Acción sismo	6228.9	6445.1	6931.3	6715.2
	Vu	Mu	Vu	Mu
	(kg)	(kg m)	(kg)	(kg m)
Muro solo	7199.83	7309.41	1450.41	1140.82
Acción sismo	6680.69	6660.41	1524.97	1316.80
d	23	23	23	23
k(kg/cm2)		13.82		2.49
$\rho$		0.00383		0.00180
As (cm2/m)		8.81		5.40
$\phi Vc$ (kg)	13248.0			13248.0
chequeo cortante	ok		ok	
colocar 1#	5@	0.22	colocar 1#	4@ 0.23



# CARGAS

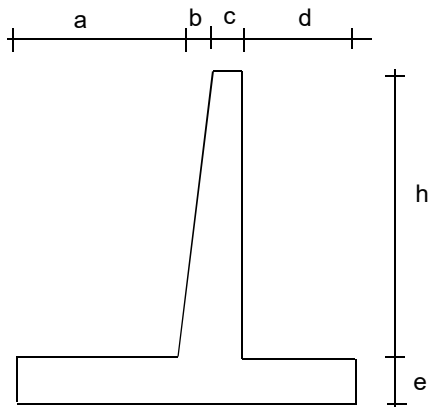
## MURO DE CONTENCION MT4 H = 3.0

### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

#### ANALISIS DE CARGAS:

##### 1. PESO PROPIO

Elemento	Peso (kg)	X (m)	Y (m)	Mx (Kg m)	My (kg m)
W1	1800	0.725	1.8	1305	3240
W2	180	0.87	1.3	156.6	234
W3	1656	1.15	0.15	1904.4	248.4
W4	8484	1.6	1.8	13574.4	15271.2
W5	151.5	0.88	2.3	133.32	348.45
<b>W Total =</b>	<b>12271.5</b>			<b>17073.72</b>	<b>19342.05</b>



Geometría del muro	
a (m) =	1.4
b (m) =	0.05
c (m) =	0.25
d (m) =	0.6
e (m) =	0.3
h (m) =	3

##### 2. EMPUJE DEL TERRENO:

Peso unitario (kg/m <sup>3</sup> )	Ka	H (m)	Sobrecarga h' (m)	Empuje (kg/m)	Z (m)	Momento (kg m)
2020	0.36	2.4	1	3840	0.98	3762.83

##### 3. FUERZA SISMICA:

###### a.- Empuje Activo de Tierras debido al sismo (Método Mononobe-Okabe):

A	$\phi$	$\delta$	$\beta$	i	Kv	Kh
0.15	28	15	0	0	0	0.075

q	Y	Kae	Pae (kg/m)	Ef. dinámico	Ma (kg m)
4.29	2.369	0.38	2210.69	-1628.93	-2345.66

###### b.- Efectos inerciales sobre el muro:

Peso total (kg)	C. G. (m)	Coficiente Sísmico	EQ (kg/ml)	Momento (kg m)
3636	1.02	0.2	727.2	741.74

# ESTABILIDAD

## MURO DE CONTENCION MT4 H = 3.0

### JARDIN INFANTIL ARBOLEDA SANTA TERESITA

#### ANALISIS DE ESTABILIDAD

HIPOTESIS	Base (m)	Resultante a (m)	s máx delantero(kg/m2)	s min trasero(kg/m2)	s adm. (kg/m2)	$\geq 2.0$ F.S volcam.	$> 1.5$ Tan d	F.S deslizam.
Muro solo	2.30	1.08	6309.7	4361.1	11500	4.5	0.6	1.9
Acción Sismo	2.30	1.02	7144.8	3526	15295	3.8	0.6	1.6

>1.2

#### Diseño del dentellón:

Hipótesis	Kp	h (m)	Desplante	Alt. diente
Muro solo	CUMPLE	3	1	
Acción Sismo	CUMPLE	3	1	

#### DISEÑO DEL REFUERZO - VASTAGO:

Sección H 0.00 ARRIBA(m)	Empuje (kg)	Z (m)	Mu (kg m)	d (cm)	K (kg/cm2)	r	As (cm2/m)	Vu (kg)	fVc (kg)
0.80	814.5	0.36	498.5	20	1.25	0.0018	3.6	1384.65	11520
1.60	2094.3	0.68	2421	22.5	4.78	0.0018	4.05	3560.31	12960
2.4	3839.6	0.98	6396.8	25	10.23	0.002799	7	6527.32	14400

#### ESFUERZOS DE DISEÑO - ZARPA:

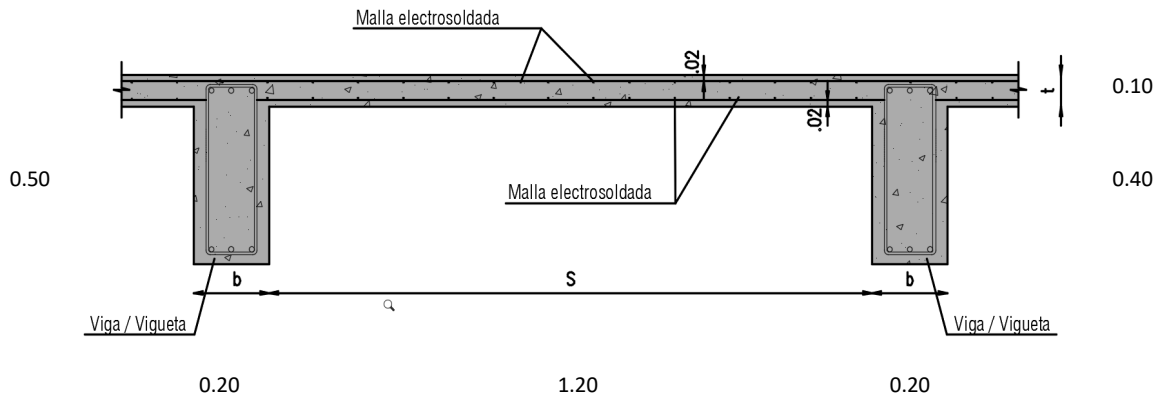
Hipótesis	ZARPA TRASERA		ZARPA DELANTERA	
	s a "d"	s en la cara	s a "d"	s en la cara
Muro solo	5343.9	5547.2	6004.7	5801.4
Acción sismo	5351.1	5728.7	6578.4	6200.8
	Vu	Mu	Vu	Mu
	(kg)	(kg m)	(kg)	(kg m)
Muro solo	5240.70	5000.24	1416.16	1145.91
Acción sismo	4793.63	4478.57	1482.13	1304.94
d	23	23	23	23
k(kg/cm2)		9.45		2.47
$\rho$		0.00258		0.00180
As (cm2/m)		5.93		5.40
$\phi Vc$ (kg)	13248.0			13248.0
chequeo cortante	ok		ok	
colocar 1#	4@	0.21	colocar 1#	4@ 0.23

# ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN SIN TORTA INFERIOR

PROYECTO: JARDIN INFANTIL SANTA TERESITA

CALCULO: METRIC IOC

PISO: PLACA RAMPA



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	240	
* VIGUETAS	137	
* INSTALACIONES/OTROS		15
* ACABADOS		150
* ANTEPECHOS BARANDAS		80
<b>C. MUERTA</b>	<b>377 Kg/m<sup>2</sup></b>	<b>245 Kg/m<sup>2</sup></b>
<b>C. VIVA</b>	<b>500 Kg/m<sup>2</sup></b>	
<b>C. TOTAL =</b>		<b>1122 Kg/m<sup>2</sup></b>
<b>C. ULTIMA = 1.2 CM + 1.6 CV =</b>		<b>1546 Kg/m<sup>2</sup></b>
<b>Factor de Carga, F.C.=</b>		<b>1.38</b>

**Nota:** El peso propio de vigas lo calcula automaticamente el programa

## CARGA A VIGUETAS:

$$q_u / \text{Vigueta} = 1546 \times 0.70 = 1082.5 \text{ Kg/m}$$

## DISEÑO DE LA LOSA

<b>C. MUERTA =</b>	470.0	Kg/m <sup>2</sup>	<b>Materiales</b>	<b>(kg/cm<sup>2</sup>)</b>	
<b>C. VIVA =</b>	500.0	Kg/m <sup>2</sup>	f'c =	120	b (cm) = 100
<b>C. ULTIMA =</b>	1364.0	Kg/m <sup>2</sup>	fy =	4200	d (cm) = 5

## Diseño a Flexión

	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	196.42	0.087	0.03	0.0024	1.22
M+	140.30	0.062	0.03	0.0017	0.90

## Chequeo Cortante

v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
818.40	2177.20	Ok

**DISEÑO DE COLUMNAS\_RAMPA\_JARDIN SANTA TERESITA****Columna CR1(EJE3)**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.31	7.65	-20.80	2.25	5.02	8/5 (1.3%)	0.99
						-2.26	-5.74				8/5 (1.3%)	0.72
PISO 3	2.75	.50	.40	Circ	28	1.91	6.27	-23.74	2.02	5.42	8/5 (1.3%)	0.79
						-1.96	-7.35				8/5 (1.3%)	0.78
PISO 2	2.75	.50	.40	Circ	28	0.61	2.93	-62.90	1.20	1.86	8/5 (1.3%)	0.27
PISO 1		1.10				-0.78	-2.47				8/5 (1.3%)	0.21

**Columna CR1(EJE4)**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.20	6.18	-14.73	1.86	2.63	7/5 (1.1%)	0.95
						1.78	1.07				7/5 (1.1%)	0.46
PISO 3	2.75	.50	.40	Circ	28	-2.12	-2.10	-35.09	1.74	2.55	7/5 (1.1%)	0.34
						2.34	4.37				7/5 (1.1%)	0.60
PISO 2	2.75	.50	.40	Circ	28	-0.40	-3.08	-49.30	0.76	1.53	7/5 (1.1%)	0.31
PISO 1		1.10				0.59	1.61				7/5 (1.1%)	0.18

**DISEÑO DE COLUMNAS\_RAMPA\_JARDIN SANTA TERESITA****Columna CR1(EJE 5)**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.33	6.14	-14.59	1.98	2.11	8/5 (1.3%)	0.89
						1.77	3.51				8/5 (1.3%)	0.58
PISO 3	2.75	.50	.40	Circ	28	-2.25	-2.57	-34.55	1.89	2.77	8/5 (1.3%)	0.37
						2.50	4.88				8/5 (1.3%)	0.63
PISO 2	2.75	.50	.40	Circ	28	-0.43	-4.49	-48.52	0.64	2.25	8/5 (1.3%)	0.44
PISO 1		1.10				0.58	2.60				8/5 (1.3%)	0.27

**Columna CR1(EJE6)**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.16	6.40	-13.68	1.90	2.69	8/5 (1.3%)	0.93
						1.93	6.78				8/5 (1.3%)	0.97
PISO 3	2.75	.50	.40	Circ	28	-2.45	-4.52	-35.71	2.12	4.24	8/5 (1.3%)	0.55
						2.68	7.17				8/5 (1.3%)	0.88
PISO 2	2.75	.50	.40	Circ	28	-0.39	-4.16	-50.27	0.53	2.11	8/5 (1.3%)	0.40
PISO 1		1.10				0.52	3.47				8/5 (1.3%)	0.36

**DISEÑO DE COLUMNAS\_RAMPA\_JARDIN SANTA TERESITA****Columna CR2**

Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
CUB	2.75	.50	.40	Circ	28	2.90	6.04	-20.41	1.89	4.68	12/7 (3.7%)	0.44
						0.75	12.04				12/7 (3.7%)	0.79
PISO 3	2.75	.50	.40	Circ	28	1.84	8.13	-26.76	2.05	8.79	12/7 (3.7%)	0.53
						-2.73	-15.71				12/7 (3.7%)	0.99
PISO 2	2.75	.50	.40	Circ	28	0.88	6.65	-42.80	0.94	5.18	12/7 (3.7%)	0.40
PISO 1		1.10				-0.89	-7.79				12/7 (3.7%)	0.44

B=0.30 H=0.50 L=1.62		
Mu=-10.78 As=7.96 As(r)=6.55	Mu=0.00 As=5.16 As(r)=4.50	Mu=-0.05 As=7.96 As(r)=4.50
Mu=-2.16 As=5.16 As(r)=4.50	Mu=0.00 As=5.16 As(r)=4.50	Mu=0.02 As=5.16 As(r)=4.50
Vu=-7.75		Vu=-5.11

B=0.20 H=0.50 L=5.50		B=0.20 H=0.50 L=5.50			B=0.20 H=0.50 L=5.50			B=0.20 H=0.50 L=5.50		
Mu=-0.00 As=3.87 As(r)=3.00	Mu=-5.50 As=3.87 As(r)=3.31	Mu=-5.62 As=3.87 As(r)=3.38	Mu=-3.74 As=3.87 As(r)=3.00	Mu=-3.71 As=3.87 As(r)=3.00	Mu=-4.62 As=3.87 As(r)=3.00					
Mu=-0.56 As=3.28 As(r)=3.00	Mu=4.21 As=3.28 As(r)=3.00	Mu=1.10 As=3.28 As(r)=3.00	Mu=1.87 As=3.28 As(r)=3.00	Mu=2.00 As=3.28 As(r)=3.00	Mu=1.25 As=3.28 As(r)=3.00	Mu=1.24 As=3.28 As(r)=3.00	Mu=2.51 As=3.28 As(r)=3.00	Mu=1.54 As=3.28 As(r)=3.00		
Vu=3.75	Vu=-5.96	Vu=5.20		Vu=-4.51	Vu=4.69			Vu=-5.02		

B=0.20 H=0.50 L=5.55		B=0.20 H=0.50 L=1.83			
Mu=-4.61 As=3.87 As(r)=3.00	Mu=-3.34 As=3.87 As(r)=3.00	Mu=-3.46 As=3.87 As(r)=3.00		Mu=-0.02 As=3.87 As(r)=3.00	
Mu=1.54 As=3.28 As(r)=3.00	Mu=2.83 As=3.28 As(r)=3.00	Mu=1.11 As=3.28 As(r)=3.00	Mu=0.69 As=3.28 As(r)=3.00	Mu=0.00 As=3.28 As(r)=3.00	Mu=0.00 As=3.28 As(r)=3.00
Vu=5.13	Vu=-4.67	Vu=3.50			Vu=0.27

## DISEÑO DE ELEMENTOS NO ESTRUCTURALES

Proyecto: JARDIN INFANTIL SANTA TERESITA MODULO 1

Calculó: METRIC IOC

### 1. Fuerzas Horizontales en cada nivel

Aa = 0.15 I = 1.25 W (t) = 1238.95 T (s) = 0.340  
Fa = 1.95 Sa = 0.914 Vs (t) = 1019.16 k = 1

#### Fuerza Horizontal Equivalente

Piso	Alt. piso (m)	Area (m <sup>2</sup> )	CM (t/m <sup>2</sup> )	Ppropio (t)	CV (t/m <sup>2</sup> )
Cubierta	1.55	357.6	0.37	227.6	0.2
Piso 3A	1.70	148.02	0.175	96.9	0.5
Piso 3	3.25	317.2	0.175	231.9	0.2
Piso 2	3.25	248.7	0.175	223.8	0.2
Piso 1	2.75	194.1	0.175	144.0	0.2

#### Distribucion de fuerzas horizontales

NIVEL	hi (m)	Wi (t)	Wi Hi <sup>k</sup>	C <sub>vx</sub>	F <sub>x</sub> (t)
Cubierta	12.50	359.92	4498.96	0.45	453.68
Piso 4	10.95	122.84	1345.07	0.13	135.64
Piso 3	9.25	287.43	2658.77	0.26	268.11
Piso 2	6.00	267.32	1603.90	0.16	161.74
Piso 1	2.75	177.93	0.00	0.00	0.00
		<b>1215.43</b>	<b>10106.69</b>	<b>1.00</b>	<b>1019.16</b>

### 2. Materiales - Muros divisorios y Fachadas

Tipo de muro	t (m)	γ (t/m <sup>3</sup> )	w <sub>muro</sub> (t/m <sup>2</sup> )
1.Bloque perf. Hztal	0.15	1.4	0.21
2.Bloque perf. Vtcal	0.15	1.6	0.24
3.Tolete macizo	0.12	1.85	0.222
4.Bloque de concreto	0.14	2.15	0.301
5.Concreto Arq.	0.12	2.4	0.288
6.Otro			0

Columnetas f'c = 210 kg/cm<sup>2</sup>

Refuerzo, fy = 4200 kg/cm<sup>2</sup>

### 3. Diseño de Muros

Desempeño: Superior As = 0.37  
hn (m) = 12.5 heq (m) = 9.38

#### A) Elementos apoyados Arriba y abajo

Tipo de muro: 2  
Seccion columnetas: b (cm) = 12 h (cm) = 12 Separación, S (m) = 2.50

NIVEL	hx (m)	ax	ap	Rp	w <sub>muro</sub> (t/m <sup>2</sup> )	Fp (t/m <sup>2</sup> )	Hmuro (m)	M (t m)	V (t)	As (cm <sup>2</sup> )	Conector
Cubierta Maq	12.50	1.1	1	3	0.24	0.088	0.00	0	0.000	0.000	1#4
Piso 4	10.95	1.01	1	3	0.24	0.081	2.55	0.165	0.258	0.660	1#5
Piso 3	9.25	0.91	1	3	0.24	0.073	2.55	0.148	0.233	0.586	1#5
Piso 2	6.00	0.72	1	3	0.24	0.058	2.55	0.118	0.185	0.460	1#5
Piso 1	2.75	0.53	1	3	0.24	0.042	3.31	0.144	0.174	0.569	1#5

#### B) Elementos en voladizo (Antepechos)

Tipo de muro: 2  
Seccion columnetas: b (cm) = 15 h (cm) = 15 Separación, S (m) = 2.00

NIVEL	hx (m)	ax	ap	Rp	w <sub>muro</sub> (t/m <sup>2</sup> )	Fp (t/m <sup>2</sup> )	Hmuro (m)	M (t m)	V (t)	As (cm <sup>2</sup> )
Cubierta Maq	12.50	1.1	2.5	3	0.24	0.22	1.20	0.317	0.528	0.906
Piso 4	10.95	1.07	2.5	3	0.24	0.214	1.20	0.308	0.514	0.878
Piso 3	9.25	0.91	2.5	3	0.24	0.182	1.20	0.262	0.437	0.739
Piso 2	6.00	0.72	2.5	3	0.24	0.144	1.20	0.207	0.346	0.577
Piso 1	2.75	0.53	2.5	3	0.24	0.106	1.20	0.153	0.254	0.422



PROYECTO: JARDIN INFANTIL SANTA TERESITA

FECHA: oct-18

CALCULO: IDA

**ESCALERA TIPO****1. Geometría del modelo**

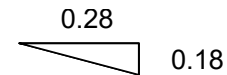
Espeor losa =	0.15	m
Ancho/2 Escalera =	1.45	m

Luz descanso 1 =	1.73	m
Luz descanso 2 =	1.37	m
Luz tramo inclinado=	1.95	m
<b>LUZ TOTAL</b>	<b>5.05</b>	<b>M</b>

**2. Casos de Carga:**

Carga Muerta Peldaños	0.216	Ton/m <sup>2</sup>
Carga Muerta Losa	0.360	Ton/m <sup>2</sup>
Carga Muerta acabados	0.200	Ton/m <sup>2</sup>
Carga Viva	0.300	Ton/m <sup>2</sup>

Escalón

**3. Combinaciones de carga:****B.2.4-2: 1.2 (Muerta+peldaños+acabados) + 1.6(Carga Viva)**

$$\begin{aligned}
 W_D(\text{Ton/m}) &= 0.216 \times 1.45 = 0.31 \\
 &0.360 \times 1.45 = 0.52 \\
 &0.200 \times 1.45 = 0.29 \\
 &\underline{1.13 \text{ Ton/m}}
 \end{aligned}$$

$$W_L(\text{Ton/m}) = 0.300 \times 1.45 = 0.44 \text{ Ton/m}$$

$$\begin{aligned}
 W_u(\text{Ton/m}) &= 1.2 \times 1.13 = 1.35 \\
 &1.6 \times 0.44 = 0.70 \\
 &\underline{2.05 \text{ Ton/m}}
 \end{aligned}$$

$$M_u(\text{Ton*m}) = \underline{\hspace{10em}} = 5.22 \text{ Ton*m}$$

**2. Analisis y resultados****Geometría**

b=	145	cm
h=	15	cm
R=	4	cm
d=	11	cm

**Materiales**

f'c=	280	kg/cm <sup>2</sup>
fy=	4200	kg/cm <sup>2</sup>

**Refuerzo de la viga**

Mu=	5.22	Ton*m
ρ=	0.0085	
As req=	13.5575	cm <sup>2</sup>



#4 @ 0.13

**Revision a cortante**

Vu =	5.17	Ton
ØVc = Ø.17(f'c) <sup>0.5</sup> *b*d	10.76	Ton

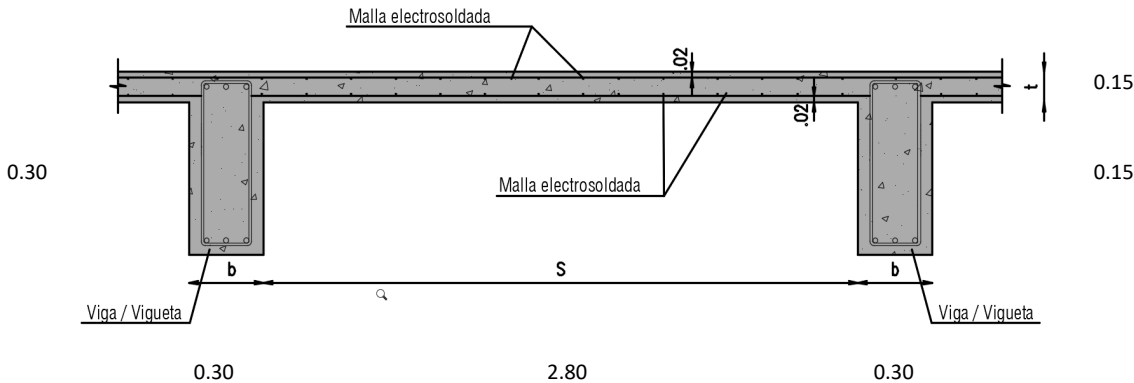
OK CUMPLE

ANÁLISIS DE CARGA PLACA MACIZA CON VIGAS DESCOLGADAS EN UNA DIRECCIÓN SIN TORTA INFERIOR

PROYECTO: JARDIN INFANTIL SANTA TERESITA

CALCULO: METRIC IOC

PISO: CUBIERTA BASURAS



CARGAS	[ Kg/m <sup>2</sup> ]	[ Kg/m <sup>2</sup> ]
* PLACA	360	
* VIGUETAS	35	
*INSTALACIONES/OTROS		15
* ACABADOS		120
* ANTEPECHOS BARANDAS		80
C. MUERTA	395 Kg/m <sup>2</sup>	215 Kg/m <sup>2</sup>
C. VIVA	500 Kg/m <sup>2</sup>	
C. TOTAL =		1110 Kg/m <sup>2</sup>
C. ULTIMA = 1.2 CM + 1.6 CV =		1532 Kg/m <sup>2</sup>
Factor de Carga, F.C.=		1.38

Nota: El peso propio de vigas lo calcula automaticamente el programa

CARGA A VIGAS:					
q <sub>u</sub> / Vigueta =	1532	x	1.55	=	2374.6 Kg/m
CARGA A COLUMNA					
Aferencia (m2)=	8.32				
Axial Pu(ton)	12.75				
Mu1 (ton-m)	5.559	Mu2 (ton-m)	2.026	REACCION DE SERVICIO (ton)=	
DISEÑO DE LA LOSA					
C. MUERTA =	560.0	Kg/m <sup>2</sup>	Materiales (kg/cm <sup>2</sup> )		
C. VIVA =	500.0	Kg/m <sup>2</sup>	f'c =	120	b (cm) = 100
C. ULTIMA =	1472.0	Kg/m <sup>2</sup>	fy =	4200	d (cm) = 10

Diseño a Flexión					
	M <sub>u</sub> (kg-m/m)	R (kg/cm <sup>2</sup> )	k	ρ	A <sub>s</sub> (cm <sup>2</sup> /m)
M-	1154.05	0.128	0.03	0.0037	3.67
M+	824.32	0.092	0.03	0.0026	2.56

Chequeo Cortante		
v <sub>u</sub> (kg/m)	φV <sub>c</sub> (kg/m)	Check
2060.80	4354.39	Ok

**JARDIN INFANTIL SANTA TERESITA\_MOD 1\_DISEÑO VIGAS\_CUARTO BASURAS**
**VX/**

B=0.15 H=0.50 L=4.92	
Mu=-0.00 As =5.97 As(r)=2.28	Mu=-0.00 As =5.97 As(r)=2.28
Mu=8.07 As =5.97 As(r)=4.96	
Vu=5.93	Vu=-5.88

**VY/**

B=0.15 H=0.50 L=2.80	
Mu=-0.00 As =5.97 As(r)=2.28	Mu=-0.00 As =5.97 As(r)=2.28
Mu=2.81 As =5.97 As(r)=2.28	
Vu=3.39	Vu=-3.33

DISEÑO DE COLUMNA\_CUARTO DE BASURAS

Columna CX Es 1

Nivel	H Piso (m)	Losa (m)	B (m)	H (m)	f'c (MPa)	M1 t-m	M2 t-m	Pu (t)	V1 (t)	V2 (t)	Refuerzo	Sobreesfuerzo
PISO 1	2.50	.30	.30	.30	21	1.27	5.27	-10.03	3.81	6.73	8/5 (1.8%)	0.86
		1.10				-1.66	-5.67				8/5 (1.8%)	0.95

**DISEÑO DE ZAPATAS**

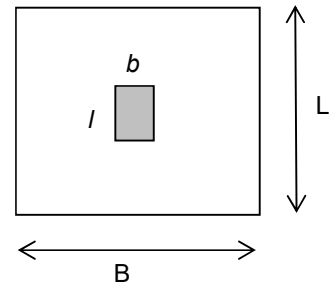
ZAPATA TIPO ZT8

## Datos de entrada

P (t)	Factor Carga	Pu (t)	$\sigma_{adm}$ (t/m <sup>2</sup> )	b <sub>col</sub> (cm)	l <sub>col</sub> (cm)	h <sub>zap</sub> (cm)
10	1.3	13	12.9	30	30	30

## Materiales

f <sub>c</sub> (MPa)	$\lambda$	f <sub>y</sub> (MPa)
21	1	420

**1. Dimension del cimiento**

A <sub>req</sub> (m <sup>2</sup> )	B (m)	L (m)	Chequeo	Voladizo
0.814	1	1	Cumple	0.35

**2. Chequeo Esfuerzos de contacto**

$$A_1 \text{ (mm}^2\text{)} = 90000$$

$$0.65 \times 0.85 \times f'_c \times A_1 = 1044.225 \text{ kN} > P_u \quad \text{Ok}$$

**3. Cortante como Viga**

$\sigma_u$ (t/m <sup>2</sup> )	Vu (kN)	$\phi$
13	16.250	0.75

$$\phi V_c = \phi 0.17 \lambda \sqrt{f'_c} \times 250 = 146.07 \text{ kN} > V_u \quad \text{Ok}$$

**4. Cortante como placa**

bo (mm)	$\beta$	$\alpha_s$	Vu (kN)	Chequeo
2200	1	40	130	ok

$$\phi V_c = \phi 0.33 \lambda \sqrt{f'_c} \times 2200 \times 250 = 623.8 \text{ kN}$$

$$\phi V_c = \phi 0.17 \lambda \times (1 + 2 / \beta) \times \sqrt{f'_c} \times bo \times 250 = 964.06 \text{ kN}$$

$$\phi V_c = \phi 0.083 \lambda \left( \frac{\alpha_s \times d}{bo} + 2 \right) \sqrt{f'_c} \times bo \times 250 = 1026.96 \text{ kN}$$

**5. Diseño a flexion**

Mu (t-m)	R (kg/cm <sup>2</sup> )	k	$\rho$	As (cm <sup>2</sup> )
0.80	1.41556	0.05	0.000376	5.4

Colocar # 4 cada 0.24 m

Son 5 barras en c/direccion L= 0.9 m