PYK.441
PLAZA DE MERCADO
CARMEN DE VIBORAL

DISEÑO ESTRUCTURAL

Bogotá, Febrero de 2022

PROYECTO:	CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO
UBICACION:	CARMEN DE VIVORAL - ANTIOQUIA
ENCARGADOS:	
ARQUITECTO:	ADOLFO EMILIO ARBOLEDA LOPERA

Descripción del Proyecto:

No. De Pisos:	1
Sistema Estructural :	Porticos de Concreto
Tipo de Cubierta :	Cubierta en teja
Capacidad de Disipación de Energia:	DMO

Descripción de la Zona y Uso:

Tipo de suelo:	TIPO E
Grupo de Uso:	Ocupación Especial
Coeficiente de Importancia:	1.10
Zona de Amenaza Sismica:	Intermedia

Procedimiento de Diseño:

Coeficiente de Amortiguamiento Critico:	5%
Espectro de Diseño :	Elástico
Metodo de Análisis Sismico:	Análisis dinámico
Modelo Matemático:	Tridimensional
Metodo de Diseño:	Resistencia Ultima

Programas de dseño:

Solicitaciones de vigas y columnas:	ETABS 18

Ing. María Carolina Cobar Solano
T.P. 25202 - 153270 CND
Director de Diseño

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

PROVEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO CARMEN DE VIVORAL - ANTIOQUIA** **Diseño estructural - CARGAS DE VIENTO**	COD: PYK.406.ME001 FECHA: FEB-18-2022

AVALUO DE CARGAS DE VIENTO

Región (Figura B.6.4-1) 4

V (m/s) = 42

Tipo de Estr. (Tabla B.6.5.4) = Edificio - SPRFV

Kd = 0.85

G. de Importancia (A.2.5) = Atención a la Comunidad

I = 1.2

Caso de Exposición (B.6.5.6) = C

Altura sobre el terreno Z	Kz	Kh
4.5	0.85	0.90
6.0	0.90	0.90

Z maxima (m) =	7.3
Ancho Edificio (m) =	18.5
Largo Edificio (m) =	85.8
Altura Libre piso (m) =	3.1

Tdis (seg) = 0.17 **ESTRUCTURA RIGIDA**

G ó Gf = 0.85

Cerramiento (B.6.5.9) = Parcialmente cerrado

GCpi = 0.55 -0.55

Coeficientes de Presion Externa Cp (Figura B.6.5-3)

1	Muro en Barlovento	0.8	
2	Muro en Sotavento	-0.5	
3	Muros Laterales	-0.7	
4	Cubierta en Barlovento	-0.7	-0.18

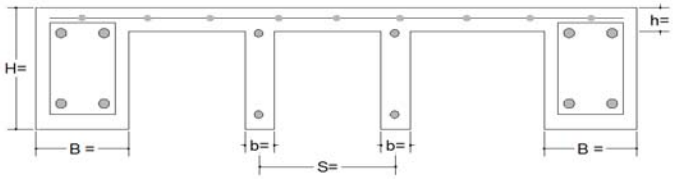
Presion Por Velocidad (B.6.5.10) y Fuerzas de Diseño (B.6.5.12.2)

Altura sobre el terreno Z	**qz (Tn/m2)**	**p (Tn/m2)**							
		1	**1**	**2**	**2**	**3**	**3**	**4**	**4**
4.5	0.090	0.009	0.113	-0.093	0.012	-0.109	-0.004	-0.004	0.038
6.0	0.095	0.012	0.117	-0.093	0.012	-0.109	-0.004	-0.004	0.038

1.17 kN/m2 Compresión

PROVEKSA S.A. INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO** **CARMEN DE VIVORAL - ANTIOQUIA** **Diseño Estructural - ANALISIS DE CARGAS**	COD: PYK.406.ME001 FECHA: FEB-18-2022

Placa (Futura Ampliación)



B =	0.30 m
H =	0.50 m
b =	0.12 m
h =	0.05 m
S =	0.80 m
Yc =	24 KN/m3

Análisis de Cargas

Muertas		**4.78 KN/m2**	3.58 KN/m2 Superimpuestas
Losa =	1.20 KN/m2		
Viguetas =	1.62 KN/m2		
Acabados =	1.10 KN/m2		
Cielo Raso =	0.20 KN/m2		
Instalacio. =	0.15 KN/m2		
Muros Inter. =	0.51 KN/m2		
Muros Fach. =	0.00 KN/m		
Vivas		**6.0 KN/m2**	
Comercio =	6.0 KN/m2		

EVALUACIÓN CARGA DE MUROS			
A. Muros	H. Muros	P. Esp. Muros	Carga
29.40 m2	3.00 m	13 KN/m3	1146.60 kN

Area de Piso	2263.60 m2
Carga por unidad de Area	0.51 kN/m2

Cubierta pen teja

Muertas		**1.10 KN/m2**	**Aferencia**	**Carga w =**	0.72 KN/m
		0.60 KN/m2	1.20 m	**Reacción =**	2.05 KN
Teja =	0.30 KN/m2		**Luz**		
Correas =	0.50 KN/m2		5.70 m		
Cielo Raso =	0.00 KN/m2				
Instalaciones =	0.30 KN/m2				
Impermeab =	0.00 KN/m2				
Vivas		**0.50 KN/m2**		**Carga w =**	0.60 KN/m
				Reacción =	1.71 KN
viva =	0.50 KN/m2				
Viento		**1.17 KN/m2**		**Carga w =**	1.40 KN/m
				Reacción =	4.00 KN
Carga Min =	1.17 KN/m2				
Granizo		**0.50 KN/m2**		**Carga w =**	0.60 KN/m
				Reacción =	1.71 KN
Menor a 15% =	0.50 KN/m2				

Notas:

Ejecutó:	A.M.O.A
Revisó:	A.M.O.A
Aprobó:	A.M.O.A

PROYEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO** **CARMEN DE VIVORAL - ANTIOQUIA** **Diseño Estructural - ANALISIS DE PESOS**	COD: PYK.406.ME001 FECHA: FEB-18-2022

Peso Calculado Piso tipo

	Vigas			Viguetas y Riostras			Columnas y Pantallas		
	A	H	**7,714 kN**	L	H	**454 kN**	L	A	**2,608 kN**
CUBIERTA	270.55 m2	0.50 m	**3,247 kN**	37.80 m2	0.50 m	**454 kN**	3.80 m	13.68 m2	**1,248 kN**
AMPLIA	358.98 m2	0.50 m	**4,308 kN**		0.50 m	**0 kN**	3.50 m	16.20 m2	**1,361 kN**
PISO1	320.12 m2	0.50 m	**160 kN**			**0 kN**			**0 kN**

	Placa			Carga Viva			Superimpuestas		
	A	e	**3,410 kN**	W	A	**14,364 kN**	A	W	**1,324 kN**
CUBIERTA	672.00 m2	0.05 m	**806 kN**	2.00 KN/m2	672.00 m2	**1,344 kN**	672.00 m2	1.97 KN/m2	**1,324 kN**
AMPLIA	2170.00 m2	0.05 m	**2,604 kN**	6.0 KN/m2	2170.00 m2	**13,020 kN**		3.58 KN/m2	**0 kN**
			0 kN			**0 kN**			**0 kN**
			0 kN			**0 kN**			**0 kN**
	TOTAL =	142.10 m3	**0 kN**			**0 kN**			**0 kN**

	Cubierta en teja							**CM+CV**	**CM**
	A	w	**2,096 kN**				TOTAL CUBIERTA	11,471 kN	9,174 kN
CUBIERTA	1905.75 m2	1.1 kN/m2	**2,096 kN**	0.5 KN/m2	**953 kN**		TOTAL PISO 2 (FUT. AMPLIACION)	21,293 kN	8,273 kN
			0 kN				TOTAL PISO 1	160 kN	160 kN
			0 kN					0 kN	0 kN
			0 kN					0 kN	0 kN
			0 kN						
	TOTAL =	2096.33 m3				**TOTAL PESO CALCULADO**		**32,924 kN**	**17,607 kN**

Reacciones Dadas Por el Programa Para Carga Viva y Muerta

Story	Point	Load	FX	FY	FZ	MX	MY	MZ
PISO1	1	D+L	2.87	-7.12	176.86	-13.19	-10.35	0.00
PISO1	2	D+L	1.73	5.34	101.29	-8.81	-11.86	0.00
PISO1	3	D+L	18.60	-7.72	540.76	-12.42	24.59	0.00
PISO1	4	D+L	3.68	5.43	204.83	-8.93	4.86	0.00
PISO1	5	D+L	-12.02	-5.47	697.91	-15.33	-11.58	0.00
PISO1	6	D+L	-3.14	2.61	223.50	-5.30	0.16	0.00
PISO1	7	D+L	2.51	2.48	215.90	-5.12	-1.00	0.00
PISO1	8	D+L	9.45	-5.16	668.74	-15.72	8.17	0.00
PISO1	9	D+L	-0.14	-5.92	767.31	-14.75	-0.19	0.00
PISO1	10	D+L	-0.05	2.91	247.19	-5.68	-0.08	0.00
PISO1	11	D+L	-8.80	-5.19	673.86	-15.68	-7.32	0.00
PISO1	12	D+L	-2.34	2.49	217.49	-5.14	1.22	0.00
PISO1	13	D+L	2.32	2.49	217.52	-5.14	-1.27	0.00
PISO1	14	D+L	8.78	-5.19	673.94	-15.68	7.28	0.00
PISO1	15	D+L	0.06	-5.91	766.98	-14.75	0.07	0.00
PISO1	16	D+L	0.02	2.91	247.11	-5.68	0.01	0.00
PISO1	17	D+L	-9.21	-5.17	670.87	-15.71	-7.87	0.00
PISO1	18	D+L	-2.49	2.47	216.29	-5.11	1.02	0.00
PISO1	19	D+L	10.70	-5.28	687.92	-15.41	9.82	0.00
PISO1	20	D+L	2.93	2.59	222.59	-5.27	-0.45	0.00
PISO1	21	D+L	-10.73	-5.28	687.97	-15.57	-9.87	0.00
PISO1	22	D+L	-2.96	2.59	222.59	-5.27	0.40	0.00
PISO1	23	D+L	9.19	-5.17	670.88	-15.71	7.82	0.00
PISO1	24	D+L	2.46	2.47	216.29	-5.11	-1.07	0.00
PISO1	25	D+L	-0.10	-5.91	766.93	-14.75	-0.14	0.00
PISO1	26	D+L	-0.04	2.91	247.09	-5.68	-0.07	0.00
PISO1	27	D+L	-8.76	-5.19	674.32	-15.68	-7.27	0.00
PISO1	28	D+L	-2.33	2.49	217.61	-5.15	1.23	0.00
PISO1	29	D+L	2.27	2.50	217.17	-5.15	-1.33	0.00
PISO1	30	D+L	8.54	-5.18	672.16	-15.70	6.97	0.00

Modificaciones:
Cim1 Corresponde a 1.0 CM + 1.0 CV

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

Reacciones Dadas Por el Programa Para Carga Viva y Muerta

Story	Point	Load	FX	FY	FZ	MX	MY	MZ
PISO1	31	D+L	1.41	-6.10	776.27	-14.52	1.86	0.00
PISO1	32	D+L	0.22	2.94	247.96	-5.72	0.28	0.00
PISO1	33	D+L	-16.99	-7.63	525.35	-12.54	-21.78	0.00
PISO1	34	D+L	-3.23	5.25	198.43	-8.70	-3.58	0.00
PISO1	35	D+L	-1.65	5.25	99.87	-8.70	11.24	0.00
PISO1	36	D+L	-2.66	-7.14	175.21	-13.17	9.91	0.00
PISO1	37	D+L	1.72	-5.23	101.76	8.66	-11.87	0.00
PISO1	38	D+L	2.80	6.59	172.00	12.48	-10.45	0.00
PISO1	39	D+L	3.70	-5.36	205.17	8.82	4.88	0.00
PISO1	40	D+L	18.74	7.35	537.24	11.50	24.78	0.00
PISO1	41	D+L	-3.15	-2.59	223.56	5.24	0.15	0.00
PISO1	42	D+L	-12.04	5.47	687.32	-6.32	-11.61	0.00
PISO1	43	D+L	2.52	-2.46	215.92	5.08	-1.00	0.00
PISO1	44	D+L	9.45	5.18	657.94	-5.94	8.17	0.00
PISO1	45	D+L	-0.05	-2.89	247.22	5.63	-0.08	0.00
PISO1	46	D+L	-0.14	5.94	756.56	-6.92	-0.19	0.00
PISO1	47	D+L	-2.34	-2.47	217.52	5.09	1.22	0.00
PISO1	48	D+L	-8.79	5.21	663.10	-5.98	-7.32	0.00
PISO1	49	D+L	2.32	-2.47	217.55	5.09	-1.27	0.00
PISO1	50	D+L	8.78	5.21	673.45	14.26	7.28	0.00
PISO1	51	D+L	0.02	-2.89	247.14	5.63	0.01	0.00
PISO1	52	D+L	0.06	5.93	766.50	13.33	0.07	0.00
PISO1	53	D+L	-2.49	-2.45	216.31	5.06	1.02	0.00
PISO1	54	D+L	-9.21	5.19	670.38	14.29	-7.87	0.00
PISO1	55	D+L	2.93	-2.57	222.62	5.22	-0.45	0.00
PISO1	56	D+L	10.70	5.30	687.54	14.30	9.82	0.00
PISO1	57	D+L	-2.96	-2.57	222.62	5.22	0.40	0.00
PISO1	58	D+L	-10.73	5.30	687.48	14.15	-9.87	0.00
PISO1	59	D+L	2.46	-2.45	216.32	5.06	-1.07	0.00
PISO1	60	D+L	9.19	5.19	670.39	14.29	7.82	0.00
PISO1	61	D+L	-0.04	-2.89	247.12	5.63	-0.07	0.00
PISO1	62	D+L	-0.10	5.93	756.17	-6.92	-0.13	0.00
PISO1	63	D+L	-2.33	-2.47	217.64	5.09	1.23	0.00
PISO1	64	D+L	-8.75	5.22	663.56	-5.99	-7.27	0.00
PISO1	65	D+L	2.27	-2.48	217.20	5.10	-1.33	0.00
PISO1	66	D+L	8.54	5.21	661.38	-5.98	6.96	0.00
PISO1	67	D+L	0.22	-2.91	247.99	5.66	0.28	0.00
PISO1	68	D+L	1.43	6.11	765.63	-7.14	1.88	0.00
PISO1	69	D+L	-3.22	-5.19	198.90	8.59	-3.57	0.00
PISO1	72	D+L	-2.73	6.57	169.89	12.51	9.83	0.00
PISO1	73	D+L	29.67	0.25	293.42	1.04	24.10	0.00
PISO1	74	D+L	-38.31	0.18	258.11	1.14	-49.47	0.00
PISO1	75	D+L	0.00	0.00	46.88	22.01	4.32	0.00
PISO1	76	D+L	0.00	0.00	46.88	22.01	-4.32	0.00
PISO1	77	D+L	0.00	0.00	49.24	22.01	0.00	0.00
PISO1	78	D+L	0.00	0.00	46.88	22.01	4.32	0.00
PISO1	79	D+L	0.00	0.00	57.55	1.37	-4.32	0.00
PISO1	80	D+L	0.00	0.00	59.91	1.37	0.00	0.00
PISO1	81	D+L	0.00	0.00	57.55	1.43	4.32	0.00
PISO1	82	D+L	0.00	0.00	57.55	0.92	-4.32	0.00
PISO1	83	D+L	0.00	0.00	57.55	1.44	4.32	0.00
PISO1	84	D+L	0.00	0.00	57.55	1.37	-4.32	0.00
PISO1	85	D+L	0.00	0.00	49.24	22.01	0.00	0.00
PISO1	86	D+L	0.00	0.00	46.88	22.01	4.32	0.00
PISO1	87	D+L	0.00	0.00	46.88	22.01	-4.32	0.00
PISO1	88	D+L	0.00	0.00	49.24	22.01	0.00	0.00
PISO1	89	D+L	36.17	0.18	253.72	1.13	47.32	0.00
PISO1	90	D+L	-27.61	0.27	289.29	1.01	-22.21	0.00
PISO1	91	D+L	0.00	0.00	19.10	-0.43	-7.36	0.00
PISO1	92	D+L	0.00	0.00	19.51	0.04	-7.36	0.00
PISO1	93	D+L	0.00	0.00	30.11	0.04	-3.24	0.00
PISO1	94	D+L	0.00	0.00	29.71	-0.43	-3.24	0.00
PISO1	95	D+L	0.00	0.00	29.71	-0.43	3.24	0.00
PISO1	96	D+L	0.00	0.00	30.11	0.04	3.24	0.00
PISO1	97	D+L	0.00	0.00	30.11	0.04	-3.24	0.00
PISO1	98	D+L	0.00	0.00	29.71	-0.43	-3.24	0.00

Modificaciones:
Cim1 Corresponde a 1.0 CM + 1.0 CV

Ejecutó: 0
Revisó: 0
Aprobó: 0

Reacciones Dadas Por el Programa Para Carga Viva y Muerta

Story	Point	Load	FX	FY	FZ	MX	MY	MZ
PISO1	100	D+L	0.00	0.00	31.47	-0.43	0.00	0.00
PISO1	102	D+L	0.00	0.00	31.88	0.04	0.00	0.00
PISO1	103	D+L	0.00	0.00	20.87	-0.43	-10.60	0.00
PISO1	105	D+L	0.00	0.00	21.28	0.04	-10.60	0.00
PISO1	106	D+L	0.00	0.00	20.87	-0.43	10.60	0.00
PISO1	107	D+L	0.00	0.00	21.28	0.04	10.60	0.00
PISO1	120	D+L	0.00	0.00	20.87	-0.43	10.60	0.00
PISO1	121	D+L	0.00	0.00	21.28	0.04	10.60	0.00
PISO1	313	D+L	-17.10	7.27	522.05	11.61	-21.93	0.00
PISO1	170	D+L	-1.71	-5.13	100.05	8.51	11.17	0.00

TOTAL CARGAS DEL PROGRAMA **32,238 kN** 102.1%

Modificaciones:
Cim1 Corresponde a 1.0 CM + 1.0 CV

Ejecutó: 0
Revisó: 0
Aprobó: 0

PROVEKSA INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO CARMEN DE VIVORAL - ANTIOQUIA** **Diseño Estructural - ANALISIS SISMICO FHE**	COD: PYK.406.ME001 FECHA: FEB-18-2022

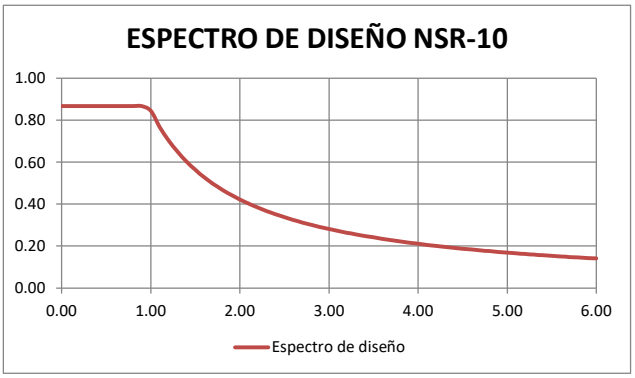
DATOS SISMICOS GENERALES

Ubicación:	C. Viboral
Zona de Amenaza Sismica:	Intermedia
Aceleracion Pico Efectiva Aa:	0.15
Velocidad Pico Efectiva Av:	0.20
Grupo de Uso:	II — Ocupacion Especial
Coeficiente de Importancia I :	1.10

COEFICIENTES DE NSR-10

Perfil del Suelo :	E
Coeficiente Fa :	2.10
Coeficiente Fv :	3.20
Periodo Inicial To =	0.20 s
Periodo Corto Tc =	0.98 s
Periodo Largo Tl =	7.68 s

ESPECTRO SISMICO DE DISEÑO NSR-10



Modificaciones:

Ejecutó:	A.M.O.A
Revisó:	A.M.O.A
Aprobó:	A.M.O.A

PERIODO DE VIBRACION DE LA ESTRUCTURA

Sistema Estructural de Resistencia Sismica : Porticos de Concreto No Arriostrados

Coeficiente del Periodo de la Estructura Ct : 0.047

Exponente del Periodo de la Estructura α : 0.90

Altura Total de la Estructura h : 7.30 m

Periodo y parametros ajustados según A.4.2-1

Periodo Fundamental de la Estructura Ta : 0.29 s **A.4.2-3**

To = 0.38 s **A.4.2-1**

Exponente del Periodo de la Estructura k : 1.00

k = 1.00

Coeficiente de periodo Máximo Cu: 1.75

Cu = 1.75 cm

Valor máximo del periodo Cu*Ta: 0.51 s

Cu*Ta = 0.67 s

 # Iteración = 1.0

PERIODO FUNDAMENTAL CALCULADO SEGÚN A.4.2-1

Ni	Fi (N)	desp X (m)	m (kg)	md^2	fd
CUBIERTA	11360159.4 N	0.0493 m	863547.1 kg	2102.0	560476.2
PISO2	11579772.5 N	0.0223 m	1835931.4 kg	910.9	257927.9
PISO1	0.0 N	0.0000 m	0.0 kg	0.0	0.0
BASE	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
				3012.9	818404.0

(1) **Ta X=** **0.38 s** **A.4.2-1**

Ni	Fi (N)	desp Y (m)	m (kg)	md^2	fd
CUBIERTA	11360159.4 N	0.0307 m	863547.1 kg	811.8	348313.8
PISO2	11579772.5 N	0.0141 m	1835931.4 kg	365.7	163425.3
PISO1	0.0 N	0.0000 m	0.0 kg	0.0	0.0
BASE	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
0.0 kN	0.0 N	0.0000 m	0.0 kg	0.0	0.0
				1177.5	511739.2

(1) **Ta Y =** **0.30 s** **A.4.2-1**

ACELERACION ESPECTRAL NSR-10

Aceleracion Espectral Sa : 0.866 Calculada con Ta

Aceleracion Espectral de diseño Sa : 0.866 Calculada con To según A.4.2-1

El periodo de diseño por FHE To se calculó según los requerimientos de A.4.2-1, usando como periodo estimado inicial Ta =0.292 y recalculandolo hasta la 1a iteración obteniendo un periodo de diseño de To= 0.382 que no converge dentro de la tolerancia del 10% con el periodo inmediatamente anterior calculado, PERO SE ACEPTA POR ENCONTRARSE EN LA MESETA DEL ESPECTRO

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

PROYEKSA S.A.S. INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO** **CARMEN DE VIVORAL - ANTIOQUIA** **Diseño Estructural - FUERZA HORIZONTAL EQUIVALENTE**	COD: PYK.406.ME001 FECHA: FEB-18-2022

Primera iteración

Dimensiones del edificio: **x =** 99.85 m **y =** 26.24 m

Parametros Sismicos: **Sa =** 0.866 **k** 1.00 **Vs =** 15252 kN

NIVEL	h (m)	h ACUM	h^k	w (kN)	wh^k	Cv (%)	Fx-Fy (kN)	Me.XX (kN*m)	Me.YY (kN*m)
CUBIERTA	3.80 m	3.80 m	3.80	17607.0 kN	66906.51	100.00	15252.0 kN	20010.7 kN*m	99903.3 kN*m
AMPLIA									
PISO1									
BASE		0.00 m							
				17607 kN	**66907 kN**	**100**	**15252**	**99866**	**182124**

Última iteración

Dimensiones del edificio: **x =** 99.85 m **y =** 26.24 m

Parametros Sismicos: **Sa =** 0.87 **k** 1.00 **Vs =** 15252 kN

NIVEL	h (m)	h ACUM	h^k	w (kN)	wh^k	Cv (%)	Fx-Fy (kN)	Me.XX (kN*m)	Me.YY (kN*m)
CUBIERTA	3.80 m	3.80 m	3.80	17607.0 kN	66906.51	100.00	15252.0 kN	20010.7 kN*m	99903.3 kN*m
AMPLIA	0.00 m	0.00 m	0.00	0.0 kN	0.00	0.00	0.0 kN	0.0 kN*m	0.0 kN*m
PISO1	0.00 m								
BASE	0.00 m	0.00 m							
				17607 kN	**66907 kN**	**100**	**15252**	**99866**	**182124**

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

CORTANTES DINÁMICOS EN LA BASE (Datos del Modelo)

Reacciones de diseño en la base por análisis modal para sismo en X

Spec	Mode	Dir	F1	F2	F3	M1	M2	M3
			kN	kN	kN	kN-m	kN-m	kN-m
EX	1	U1	15998.5181	0.2705	2.1601	42.754	65966.398	184131.08

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

CORTANTES DINÁMICOS EN LA BASE (Datos del Modelo)

Reacciones de diseño en la base por análisis modal para sismo en Y

Spec	Mode	Dir	F1	F2	F3	M1	M2	M3
			kN	kN	kN	kN-m	kN-m	kN-m
EY	1	U2	0.2705	15934.9257	6.0381	65494.8942	115.5539	773453.54

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

PERIODOS DINÁMICOS REALES (Datos del Modelo)

Periodo de la estructura para análisis modal para sismo en X							
Spec	**Mode**	**Period**	**DampRatio**	**SpecFactor**	**U1**	**U2**	**U3**
			sec		**mm/sec²**	**mm/sec²**	**mm/sec²**
EX	1	0.4050	0.05	1	8495.01	0	0
EX	2	0.2540	0.05	1	8495.01	0	0
EX	3	0.2450	0.05	1	8495.01	0	0
EX	4	0.0560	0.05	1	8495.01	0	0
EX	5	0.0560	0.05	1	8495.01	0	0
EX	6	0.0560	0.05	1	8495.01	0	0
EX	7	0.0560	0.05	1	8495.01	0	0
EX	8	0.0560	0.05	1	8495.01	0	0
EX	9	0.0560	0.05	1	8495.01	0	0
EX	10	0.0550	0.05	1	8495.01	0	0
EX	11	0.0550	0.05	1	8495.01	0	0
EX	12	0.0550	0.05	1	8495.01	0	0
EX	13	0.0550	0.05	1	8495.01	0	0
EX	14	0.0540	0.05	1	8495.01	0	0
EX	15	0.0540	0.05	1	8495.01	0	0
EX	16	0.0540	0.05	1	8495.01	0	0
EX	17	0.0540	0.05	1	8495.01	0	0
EX	18	0.0530	0.05	1	8495.01	0	0
EX	19	0.0530	0.05	1	8495.01	0	0
EX	20	0.0520	0.05	1	8495.01	0	0
EX	21	0.0520	0.05	1	8495.01	0	0

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

PERIODOS DINÁMICOS REALES (Datos del Modelo)

Periodo de la estructura para análisis modal para sismo en Y							
Spec	**Mode**	**Period**	**DampRatio**	**SpecFactor**	**U1**	**U2**	**U3**
			sec		**mm/sec²**	**mm/sec²**	**mm/sec²**
EY	1	0.4050	0.05	1	0	8495.01	0
EY	2	0.2540	0.05	1	0	8495.01	0
EY	3	0.2450	0.05	1	0	8495.01	0
EY	4	0.0560	0.05	1	0	8495.01	0
EY	5	0.0560	0.05	1	0	8495.01	0
EY	6	0.0560	0.05	1	0	8495.01	0
EY	7	0.0560	0.05	1	0	8495.01	0
EY	8	0.0560	0.05	1	0	8495.01	0
EY	9	0.0560	0.05	1	0	8495.01	0
EY	10	0.0550	0.05	1	0	8495.01	0
EY	11	0.0550	0.05	1	0	8495.01	0
EY	12	0.0550	0.05	1	0	8495.01	0
EY	13	0.0550	0.05	1	0	8495.01	0
EY	14	0.0540	0.05	1	0	8495.01	0
EY	15	0.0540	0.05	1	0	8495.01	0
EY	16	0.0540	0.05	1	0	8495.01	0
EY	17	0.0540	0.05	1	0	8495.01	0
EY	18	0.0530	0.05	1	0	8495.01	0
EY	19	0.0530	0.05	1	0	8495.01	0
EY	20	0.0520	0.05	1	0	8495.01	0
EY	21	0.0520	0.05	1	0	8495.01	0

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

RESUMEN DE MASAS DE ANÁLISIS DINAMICO (Datos del Modelo)

Masa participativa de la estructura							
Mode	**Period**	**UX**	**UY**	**UZ**	**Sum UX**	**Sum UY**	**Sum UZ**
	sec						
1	0.405	0.999	0.000	0.000	0.9994	0	0
2	0.254	0.000	0.995	0.000	0.9994	0.9948	0
3	0.245	0.000	0.001	0.000	0.9994	0.9955	0
4	0.056	0.000	0.000	0.004	0.9997	0.9955	0.0039
5	0.056	0.000	0.000	0.002	0.9999	0.9955	0.0063
6	0.056	0.000	0.000	0.021	0.9999	0.9955	0.0272
7	0.056	0.000	0.002	0.000	0.9999	0.9971	0.0272
8	0.056	0.000	0.000	0.013	0.9999	0.9971	0.0397
9	0.056	0.000	0.002	0.000	0.9999	0.9991	0.0397
10	0.055	0.000	0.000	0.000	0.9999	0.9991	0.0397
11	0.055	0.000	0.000	0.000	0.9999	0.9991	0.0397
12	0.055	0.000	0.000	0.001	0.9999	0.9991	0.0403
13	0.055	0.000	0.000	0.000	0.9999	0.9992	0.0403
14	0.054	0.000	0.000	0.000	0.9999	0.9994	0.0405
15	0.054	0.000	0.000	0.002	0.9999	0.9995	0.0424
16	0.054	0.000	0.000	0.000	0.9999	0.9995	0.0424
17	0.054	0.000	0.000	0.000	0.9999	0.9995	0.0427
18	0.053	0.000	0.000	0.000	0.9999	0.9995	0.0427
19	0.053	0.000	0.000	0.000	0.9999	0.9995	0.0427
20	0.052	0.000	0.000	0.001	0.9999	0.9995	0.0436
21	0.052	0.000	0.000	0.001	0.9999	0.9996	0.0446

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

RESUMEN DE MASAS DE ANÁLISIS DINAMICO (Datos del Modelo)

Masa participativa de la estructura							
Mode	**RX**	**RY**	**RZ**	**Sum RX**	**Sum RY**	**Sum RZ**	
1	0	0.0012	4.13E-06	0	0.0012	4.13E-06	
2	0.0094	0	0.0007	0.0094	0.0012	0.0007	
3	6.96E-06	0.00E+00	0.995	0.0094	0.0012	0.9958	
4	8.03E-07	1.19E-02	0	0.0094	0.0131	0.9958	
5	0	0.0101	1.58E-06	0.0094	0.0232	0.9958	
6	9.73E-07	0.0148	0	0.0094	0.038	0.9958	
7	0.0268	4.49E-06	0.0016	0.0363	0.038	0.9973	
8	2.00E-06	1.35E-02	0	0.0363	0.0515	0.9973	
9	0.0338	0.00E+00	0.0008	0.0701	0.0515	0.9981	
10	0.0002	0.0007	0.0001	0.0703	0.0522	0.9982	
11	2.00E-04	0.0006	0.0001	0.0705	0.0528	0.9983	
12	4.37E-05	0.0034	9.43E-06	0.0706	0.0562	0.9983	
13	1.50E-03	0.0001	0.0004	0.072	0.0563	0.9987	
14	2.80E-03	0.0003	0.0003	0.0748	0.0566	0.999	
15	0.0004	2.90E-03	3.82E-05	0.0752	0.0595	0.999	
16	0.0006	0.0001	3.90E-05	0.0758	0.0596	0.999	
17	0.0002	0.0004	1.25E-05	0.076	0.06	0.9991	
18	0.0005	1.00E-04	3.25E-06	0.0765	0.0601	0.9991	
19	0	0	0	0.0765	0.0601	0.9991	
20	0.0056	0.0032	0.0001	0.0821	0.0633	0.9991	
21	2.10E-03	1.05E-05	2.10E-05	0.0842	0.0633	0.9992	

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

AJUSTE DE FACTORES SÍSMICOS

Según A.5.4.5 Se deben ajustar los resultados obtenidos, comparando los cortantes en la base por analisis modal y por FHE, de tal manera que el cortante dinámico no sea menor al calculado por FHE en menos del 80% para estructuras regulares y 90% para irregulares

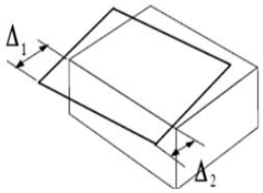
Tipo de estructura : Regular 80%

Cortante Vasal por FHE Vs : 15252 kN

Cortante Vasal por ANALISIS MODAL Vtj :

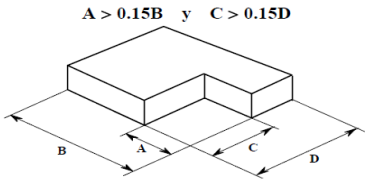
Dirección	Vtj	Vs/Vtj	Factor de Modificación
X	15999 kN	0.95	**1.00**
Y	15935 kN	0.96	**1.00**

PROYEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO CARMEN DE VIVORAL - ANTIOQUIA** **Diseño Estructural- COEFICIENTE DE DISIPACION DE ENERGIA R**	COD: PYK.406.ME001 FECHA: FEB-18-2022



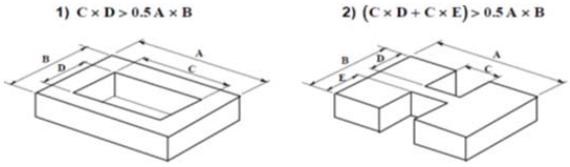
Irregularidad torsional y tors. extrema

Tipo	Si / No	Valor
1aP	NO	1
1bP	NO	1



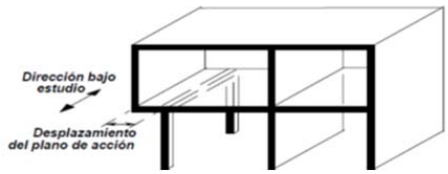
Retrocesos en las esquinas

Tipo	Si / No	Valor
2P	no	1



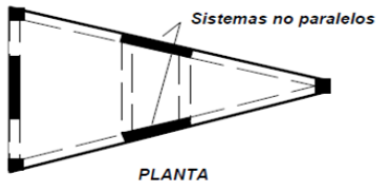
Irregularidad del diafragma

Tipo	Si / No	Valor
3P	NO	1



Desplazamiento de los planos de acción

Tipo	Si / No	Valor
4P	no	1



Sistemas no paralelos

Tipo	Si / No	Valor
4P	no	1

ϕp	**1.00**

Modificaciones:	**Ejecutó:** A.M.O.A **Revisó:** A.M.O.A **Aprobó:** A.M.O.A

PROVEKSA SAS INGENIERÍA ESTRUCTURAL	ONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCAD CARMEN DE VIVORAL - ANTIOQUIA Diseño Estructural - COEFICIENTE DE DISIPACION DE ENERGIA R	COD: PYK.406.ME001 FECHA: FEB-18-2022

$\phi_a = 0.9$

$0.60 \text{ Rigidez } K_D \le \text{Rigidez } K_C < 0.70 \text{ Rigidez } K_D$

o

$0.70 (K_D+K_E+K_F)/3 \le \text{Rigidez } K_C < 0.80 (K_D+K_E+K_F)/3$

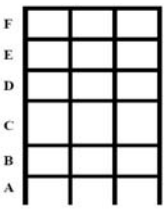
Tipo 1bA — Piso flexible extremo

$\phi_a = 0.8$

$\text{Rigidez } K_C < 0.60 \text{ Rigidez } K_D$

o

$\text{Rigidez } K_C < 0.70 (K_D+K_E+K_F)/3$



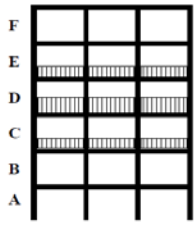
Piso Flexible

Tipo	Si / No	Valor
1aA	no	1
1bA	no	1

$m_D > 1.50\ m_E$

o

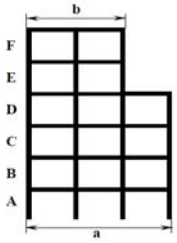
$m_D > 1.50\ m_C$



Distribución de masa

Tipo	Si / No	Valor
2A	no	1

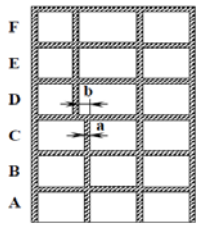
$a > 1.30\ b$



Irregularidad geométrica

Tipo	Si / No	Valor
3P	no	1

$b > a$



Desplazamiento dentro del plano de acción

Tipo	Si / No	Valor
4P	no	1

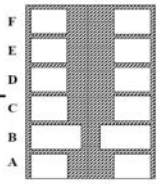
$\phi_a = 0.9$

$0.65 \text{ Resist. Piso C} \le \text{Resist. Piso B} < 0.80 \text{ Resist. Piso C}$

Tipo 5bA — Piso débil extremo

$\phi_a = 0.8$

$\text{Resistencia Piso B} < 0.65 \text{ Resistencia Piso C}$



Piso débil y débil extremo

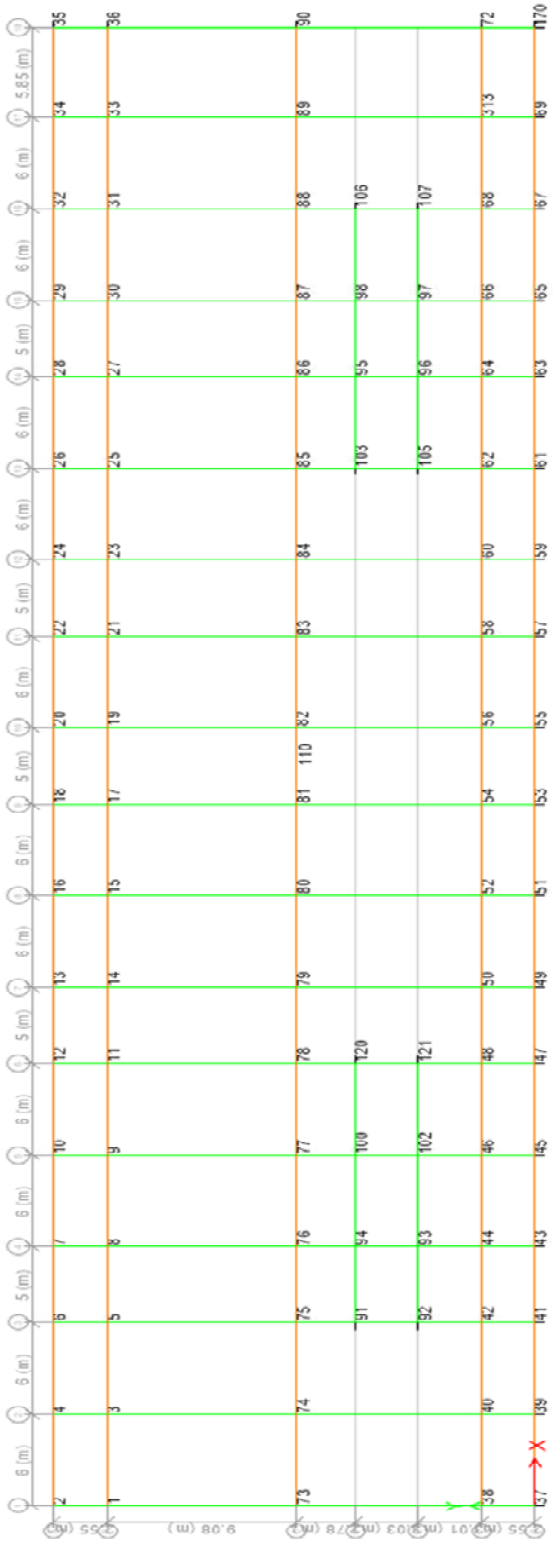
Tipo	Si / No	Valor
5aA	no	1
5bA	no	1

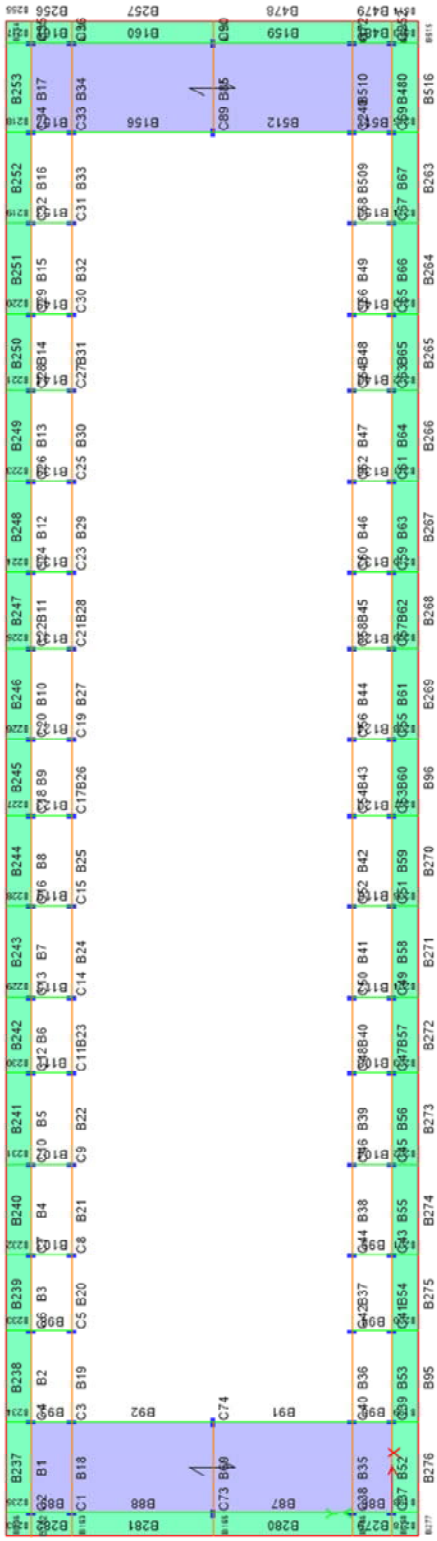
ϕa	1.00
ϕr	0.75

Coeficiente de Disipación			Coeficiente de sobre res.	
Ro	5.00	R	Ωo	3.00
R	3.75		Ω	3.00

Modificaciones:

Ejecutó:	A.M.O.A
Revisó:	A.M.O.A
Aprobó:	A.M.O.A

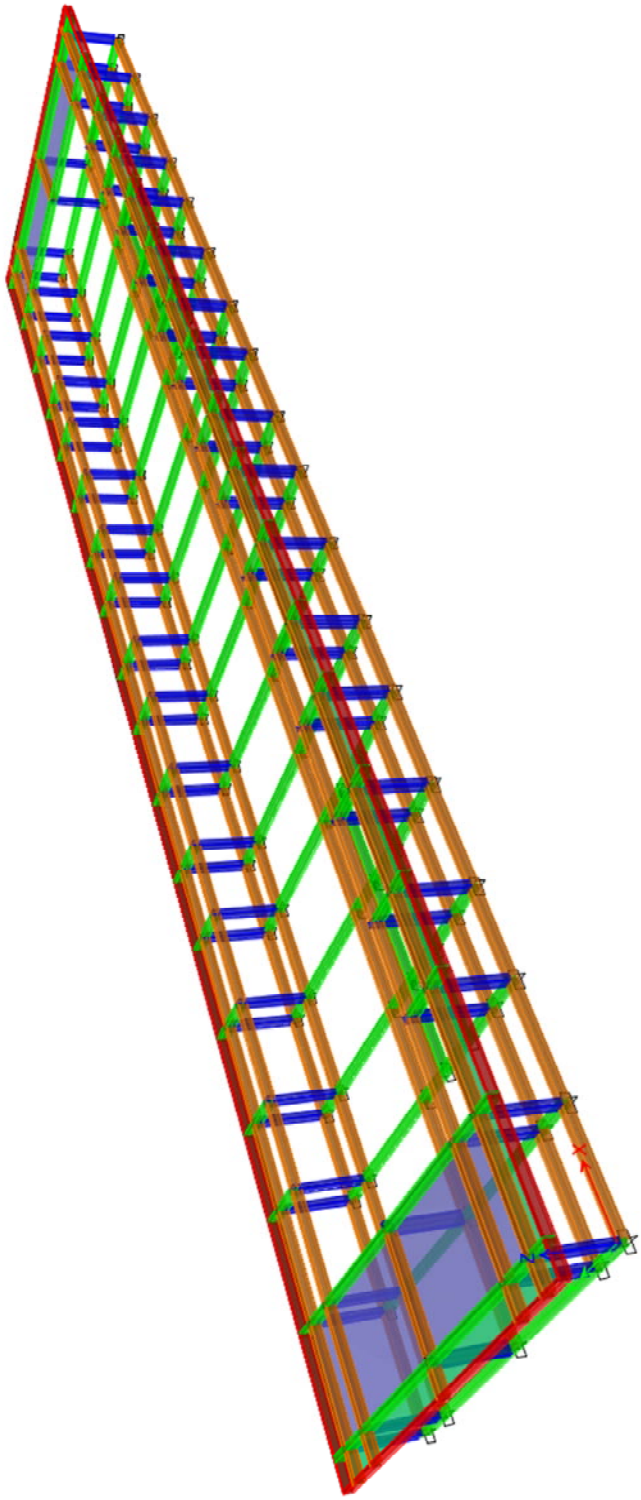




IDENTIFICACIÓN DE NODOS Y ELEMENTOS

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A



3D

Coeficiente de Disipacion de Energia **R´ =** 3.75 **Sx =** 1.00
Ω = 3.00 **Sy =** 1.00

COMBINACIONES PARA ANALISIS DE DERIVAS

COMBO	Muerta D	Viva L	Granizo G	Viento X W	Viento Y W	Sismo X Ex	Sismo Y Ey		
DER1	1.20	1.00				1.00			
DER2	1.20	1.00					1.00		
DER3	0.90					1.00			
DER4	0.90						1.00		

COMBINACIONES PARA DISEÑO A FLEXION

COMBO	Muerta D	Viva L	Granizo G	Viento X W	Viento Y W	Sismo X Ex	Sismo Y Ey		
COMB1	1.40	---	---	---	---	---	---	---	---
COMB2	1.20	1.60	0.50	---	---	---	---		---
COMB3	1.20	1.00	1.60	---	---	---	---	---	---
COMB4	1.20	---	1.60	0.50	---	---	---	---	---
COMB5	1.20	---	1.60	-0.50	---	---	---	---	---
COMB6	1.20	1.00	0.50	1.00	---	---	---	---	---
COMB7	1.20	1.00	0.50	-1.00	---	---	---	---	---
COMB8	0.90	---	---	1.00	---	---	---	---	---
COMB9	0.90	---	---	-1.00	---	---	---	---	---
COMB10	0.90	---	---	---	1.00	---	---	---	---
COMB11	0.90	---	---	---	-1.00	---	---	---	---
COMB12	1.20	1.00	---	---	---	0.27	0.08	---	---
COMB13	1.20	1.00	---	---	---	0.08	0.27	---	---
COMB14	0.90	---	---	---	---	0.27	0.08	---	---
COMB15	0.90	---	---	---	---	0.08	0.27	---	---
ENVOLVENTE	Combinaciones de la 1 a la 15 con factor 1.00								

COMBINACIONES PARA CHEQUEO A CORTANTE DE VIGAS - SOBRERESISTENCIA - C.21.3.3.1

COMBO	Muerta D	Viva L	Granizo G	Viento X W	Viento Y W	Sismo X Ex	Sismo Y Ey		
COMB1V	1.20	1.00	---	---	---	0.53	0.16	---	---
COMB2V	1.20	1.00	---	---	---	0.16	0.53	---	---
COMB3V	0.90	---	---	---	---	0.53	0.16	---	---
COMB4V	0.90	---	---	---	---	0.16	0.53	---	---
ENV-VIG	Combinaciones de la 1V a la 4V con factor 1.00								

COMBINACIONES PARA CHEQUEO A CORTANTE DE COLUMNAS - SOBRERESISTENCIA - C.21.3.3.2

COMBO	Muerta D	Viva L	Granizo G	Viento X W	Viento Y W	Sismo X Ex	Sismo Y Ey		
COMB1C	1.20	1.00	---	---	---	0.80	0.24	---	---
COMB2C	1.20	1.00	---	---	---	0.24	0.80	---	---
COMB3C	0.90	---	---	---	---	0.80	0.24	---	---
COMB4C	0.90	---	---	---	---	0.24	0.80	---	---
ENV-COL	Combinaciones de la 1C a la 4C con factor 1.00								

Observaciones:
Los Coeficientes de las fuerzas sismicas de diseño usadas correspondesn a las Fs/R asi: 1.00/R y 0.30/R

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

PROYEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO CARMEN DE VIVORAL - ANTIOQUIA** **Diseño estructural - DERIVAS**	COD: PYK.406.ME001 FECHA: FEB-18-2022

SISMO X :

NIVEL	PUNTO	CARGA	UX	UY	ΔX	ΔY	ΔTOTAL	H piso	Δ adm	% de deriva	Condición
CUBIERTA	2	EX	3.52 cm	0.00 cm	3.52 cm	0.00 cm	3.22 cm	380.00 cm	3.80 cm	**84.83%**	**OK**
PISO1	2	EX	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**
CUBIERTA	35	EX	3.52 cm	0.00 cm	3.52 cm	0.00 cm	3.22 cm	380.00 cm	3.80 cm	**84.83%**	**OK**
PISO1	35	EX	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**
CUBIERTA	37	EX	3.52 cm	0.00 cm	3.52 cm	0.00 cm	3.22 cm	380.00 cm	3.80 cm	**84.80%**	**OK**
PISO1	37	EX	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**
CUBIERTA	170	EX	3.52 cm	0.00 cm	3.52 cm	0.00 cm	3.22 cm	380.00 cm	3.80 cm	**84.80%**	**OK**
PISO1	170	EX	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**

NOTA:

Modificaciones:	**Ejecutó:** A.M.O.A **Revisó:** A.M.O.A **Aprobó:** A.M.O.A

PROYEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO CARMEN DE VIVORAL - ANTIOQUIA** **Diseño estructural - DERIVAS**	COD: PYK.406.ME001 FECHA: FEB-18-2022

SISMO Y :

NIVEL	PUNTO	CARGA	UX	UY	ΔX	ΔY	ΔTOTAL	H piso	Δ adm	% de deriva	Condición
CUBIERTA	2	EY	0.01 cm	1.37 cm	0.01 cm	1.37 cm	1.37 cm	380.00 cm	3.80 cm	**36.05%**	**OK**
PISO1	2	EY	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**
CUBIERTA	35	EY	0.01 cm	1.39 cm	0.01 cm	1.39 cm	1.39 cm	380.00 cm	3.80 cm	**36.63%**	**OK**
PISO1	35	EY	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**
CUBIERTA	37	EY	0.01 cm	1.37 cm	0.01 cm	1.37 cm	1.37 cm	380.00 cm	3.80 cm	**36.05%**	**OK**
PISO1	37	EY	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**
CUBIERTA	170	EY	0.01 cm	1.39 cm	0.01 cm	1.39 cm	1.39 cm	380.00 cm	3.80 cm	**36.63%**	**OK**
PISO1	170	EY	0.00 cm	0.00 cm	0.00 cm	0.00 cm	0.00 cm	380.00 cm	3.80 cm	**0.00%**	**OK**

NOTA:

Modificaciones:	**Ejecutó:** A.M.O.A **Revisó:** A.M.O.A **Aprobó:** A.M.O.A

Capacidad portante: 297 KN/M2

ID-COL	Story	Joint Label	Load Case/Combo	FX	FY	FZ	MX	MY	MZ	Area Zapata	Lado Zapata	Lado elegido
				kN	kN	kN	kN-m	kN-m	kN-m			
	PISO1	1	D+L	2.87	-7.12	176.86	-13.19	-10.35	0.00	0.6	0.79	**1.00**
	PISO1	2	D+L	1.73	5.34	101.29	-8.81	-11.86	0.00	0.4	0.60	**1.00**
	PISO1	3	D+L	18.60	-7.72	540.76	-12.42	24.59	0.00	1.9	1.39	**1.60**
	PISO1	4	D+L	3.68	5.43	204.83	-8.93	4.86	0.00	0.7	0.86	**1.00**
B3	PISO1	5	D+L	-12.02	-5.47	697.91	-15.33	-11.58	0.00	2.5	1.58	**1.60**
	PISO1	6	D+L	-3.14	2.61	223.50	-5.30	0.16	0.00	0.8	0.89	**1.00**
	PISO1	7	D+L	2.51	2.48	215.90	-5.12	-1.00	0.00	0.8	0.88	**1.00**
	PISO1	8	D+L	9.45	-5.16	668.74	-15.72	8.17	0.00	2.4	1.54	**1.60**
	PISO1	9	D+L	-0.14	-5.92	767.31	-14.75	-0.19	0.00	2.7	1.65	**1.80**
	PISO1	10	D+L	-0.05	2.91	247.19	-5.68	-0.08	0.00	0.9	0.94	**1.00**
	PISO1	11	D+L	-8.80	-5.19	673.86	-15.68	-7.32	0.00	2.4	1.55	**1.60**
	PISO1	12	D+L	-2.34	2.49	217.49	-5.14	1.22	0.00	0.8	0.88	**1.00**
	PISO1	13	D+L	2.32	2.49	217.52	-5.14	-1.27	0.00	0.8	0.88	**1.00**
	PISO1	14	D+L	8.78	-5.19	673.94	-15.68	7.28	0.00	2.4	1.55	**1.60**
	PISO1	15	D+L	0.06	-5.91	766.98	-14.75	0.07	0.00	2.7	1.65	**1.80**
	PISO1	16	D+L	0.02	2.91	247.11	-5.68	0.01	0.00	0.9	0.94	**1.00**
	PISO1	17	D+L	-9.21	-5.17	670.87	-15.71	-7.87	0.00	2.4	1.55	**1.60**
	PISO1	18	D+L	-2.49	2.47	216.29	-5.11	1.02	0.00	0.8	0.88	**1.00**
	PISO1	19	D+L	10.70	-5.28	687.92	-15.41	9.82	0.00	2.5	1.57	**1.60**
	PISO1	20	D+L	2.93	2.59	222.59	-5.27	-0.45	0.00	0.8	0.89	**1.00**
	PISO1	21	D+L	-10.73	-5.28	687.97	-15.57	-9.87	0.00	2.5	1.57	**1.60**
	PISO1	22	D+L	-2.96	2.59	222.59	-5.27	0.40	0.00	0.8	0.89	**1.00**
	PISO1	23	D+L	9.19	-5.17	670.88	-15.71	7.82	0.00	2.4	1.55	**1.60**
	PISO1	24	D+L	2.46	2.47	216.29	-5.11	-1.07	0.00	0.8	0.88	**1.00**
	PISO1	25	D+L	-0.10	-5.91	766.93	-14.75	-0.14	0.00	2.7	1.65	**1.80**
	PISO1	26	D+L	-0.04	2.91	247.09	-5.68	-0.07	0.00	0.9	0.94	**1.00**
	PISO1	27	D+L	-8.76	-5.19	674.32	-15.68	-7.27	0.00	2.4	1.55	**1.60**
	PISO1	28	D+L	-2.33	2.49	217.61	-5.15	1.23	0.00	0.8	0.88	**1.00**
	PISO1	29	D+L	2.27	2.50	217.17	-5.15	-1.33	0.00	0.8	0.88	**1.00**
	PISO1	30	D+L	8.54	-5.18	672.16	-15.70	6.97	0.00	2.4	1.55	**1.60**
B16	PISO1	31	D+L	1.41	-6.10	776.27	-14.52	1.86	0.00	2.8	1.66	**1.80**
	PISO1	32	D+L	0.22	2.94	247.96	-5.72	0.28	0.00	0.9	0.94	**1.00**
	PISO1	33	D+L	-16.99	-7.63	525.35	-12.54	-21.78	0.00	1.9	1.37	**1.60**
	PISO1	34	D+L	-3.23	5.25	198.43	-8.70	-3.58	0.00	0.7	0.84	**1.00**
	PISO1	35	D+L	-1.65	5.25	99.87	-8.70	11.24	0.00	0.4	0.60	**1.00**
	PISO1	36	D+L	-2.66	-7.14	175.21	-13.17	9.91	0.00	0.6	0.79	**1.00**
	PISO1	37	D+L	1.72	-5.23	101.76	8.66	-11.87	0.00	0.4	0.60	**1.00**
	PISO1	38	D+L	2.80	6.59	172.00	12.48	-10.45	0.00	0.6	0.78	**1.00**
	PISO1	39	D+L	3.70	-5.36	205.17	8.82	4.88	0.00	0.7	0.86	**1.00**
	PISO1	40	D+L	18.74	7.35	537.24	11.50	24.78	0.00	1.9	1.38	**1.60**
	PISO1	41	D+L	-3.15	-2.59	223.56	5.24	0.15	0.00	0.8	0.89	**1.00**
	PISO1	42	D+L	-12.04	5.47	687.32	-6.32	-11.61	0.00	2.5	1.57	**1.60**
	PISO1	43	D+L	2.52	-2.46	215.92	5.08	-1.00	0.00	0.8	0.88	**1.00**
	PISO1	44	D+L	9.45	5.18	657.94	-5.94	8.17	0.00	2.3	1.53	**1.60**
	PISO1	45	D+L	-0.05	-2.89	247.22	5.63	-0.08	0.00	0.9	0.94	**1.00**
	PISO1	46	D+L	-0.14	5.94	756.56	-6.92	-0.19	0.00	2.7	1.64	**1.80**
	PISO1	47	D+L	-2.34	-2.47	217.52	5.09	1.22	0.00	0.8	0.88	**1.00**
	PISO1	48	D+L	-8.79	5.21	663.10	-5.98	-7.32	0.00	2.4	1.54	**1.60**
	PISO1	49	D+L	2.32	-2.47	217.55	5.09	-1.27	0.00	0.8	0.88	**1.00**

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

	CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO **CARMEN DE VIVORAL - ANTIOQUIA** **Diseño estructural - REACCIONES**	COD: PYK.406.ME001 FECHA: FEB-18-2022

Capacidad portante: 297 KN/M2

ID-COL	Story	Joint Label	Load Case/Combo	FX	FY	FZ	MX	MY	MZ	Area Zapata	Lado Zapata	Lado elegido
				kN	kN	kN	kN-m	kN-m	kN-m			
	PISO1	50	D+L	8.78	5.21	673.45	14.26	7.28	0.00	2.4	1.55	**1.60**
	PISO1	54	D+L	-9.21	5.19	670.38	14.29	-7.87	0.00	2.4	1.55	**1.60**
	PISO1	56	D+L	10.70	5.30	687.54	14.30	9.82	0.00	2.5	1.57	**1.60**
	PISO1	58	D+L	-10.73	5.30	687.48	14.15	-9.87	0.00	2.5	1.57	**1.60**
	PISO1	60	D+L	9.19	5.19	670.39	14.29	7.82	0.00	2.4	1.55	**1.60**
	PISO1	64	D+L	-8.75	5.22	663.56	-5.99	-7.27	0.00	2.4	1.54	**1.60**
	PISO1	66	D+L	8.54	5.21	661.38	-5.98	6.96	0.00	2.4	1.54	**1.60**

Modificaciones:

Ejecutó: 0
Revisó: 0
Aprobó: 0

PROVEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO** **CARMEN DE VIVORAL - ANTIOQUIA** **Diseño estructural - REACCIONES**	COD: PYK.406.ME001 FECHA: FEB-18-2022

Capacidad portante: 297 KN/M2

ID-COL	Story	Joint Label	Load Case/Combo	FX	FY	FZ	MX	MY	MZ	Area Zapata	Lado Zapata	Lado elegido
				kN	kN	kN	kN-m	kN-m	kN-m			
	PISO1	100	D+L	0.00	0.00	31.47	-0.43	0.00	0.00	0.1	0.34	**1.00**
	PISO1	102	D+L	0.00	0.00	31.88	0.04	0.00	0.00	0.1	0.34	**1.00**
	PISO1	103	D+L	0.00	0.00	20.87	-0.43	-10.60	0.00	0.1	0.27	**1.00**
	PISO1	105	D+L	0.00	0.00	21.28	0.04	-10.60	0.00	0.1	0.28	**1.00**
	PISO1	106	D+L	0.00	0.00	20.87	-0.43	10.60	0.00	0.1	0.27	**1.00**
	PISO1	107	D+L	0.00	0.00	21.28	0.04	10.60	0.00	0.1	0.28	**1.00**
	PISO1	120	D+L	0.00	0.00	20.87	-0.43	10.60	0.00	0.1	0.27	**1.00**
	PISO1	121	D+L	0.00	0.00	21.28	0.04	10.60	0.00	0.1	0.28	**1.00**
	PISO1	313	D+L	-17.10	7.27	522.05	11.61	-21.93	0.00	1.9	1.36	**1.00**
	PISO1	170	D+L	-1.71	-5.13	100.05	8.51	11.17	0.00	0.4	0.60	**1.00**

Modificaciones:

Ejecutó: 0
Revisó: 0
Aprobó: 0

PROVEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO** **CARMEN DE VIVORAL - ANTIOQUIA** **Vulnerabilidad - DISEÑO DE ZAPATAS**	COD: PYK.406.ME001 FECHA: FEB-18-2022

ID de Columna o Pantalla

Ubicación: Eje B3

ZAPATA 1

Carga de Columna o Pantalla

Fz =	69.79 Tn
Mx =	-1.53 Tn m
My =	-1.16 Tn m

Dimensiones de la columna:

Ancho =	0.30 m	*Lado corto*
Largo =	0.60 m	*Lado largo*
e =	0.63 m	

Sección Transversal de la Cimentación:

Alto =	0.40 m	0.33 m
L1b =	0.65 m	Patin

Esfuerzo y Carga

σact=	28.63 Tn/m2	**OK**
W =	45.80 Tn/m	

Momento de Diseño

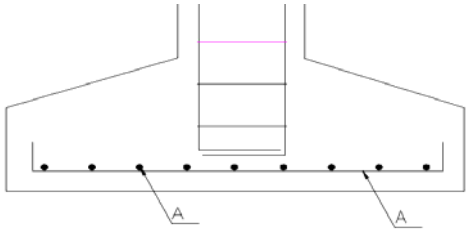
Mact =	9.68 Tn*m
Mu =	14.51 Tn*m

Revisión por cortante

1. Revisión por punzonamiento

Vu =	85.10 Tn		
β	2		
α	40		
Bo=	3.10 m		
ϕVc (Ec2)	117.73 Tn	1569761.3	OK
ϕVc (Ec3)	178.01 Tn	2373407.6	OK
ϕVc (Ec4)	114.27 Tn	1523591.9	OK

Detalle del Refuerzo



Presion Admisible de Cimentación:

σadm= 29.7 Tn/m2

Porcentaje de Peso de la Cimentación:

FS =	1.5
P cimiento =	3.49 Tn
Pultima =	73.28 Tn

Dimensiones de la Cimentación:

A =	2.47 m2	2.56 m2	
L1 =	1.60 m	1.60 m	*Lado largo*
L2 =	1.60 m	1.54 m	*Lado corto*

Materiales

Concreto =	2100 Tn/m2	21 Mpa
Acero =	42000 Tn/m2	420 Mpa

Diseño a Flexion

ρ =	0.0023			
As =	12.14 cm2	#5 c/	0.24 m	Ⓐ

2. Revisión como viga

Lado Largo:

Vu =	22.33 Tn		
ϕVc (Ec5)	30.38 Tn	303824.8	OK

Lado corto:

Vu =	12.02 Tn		
ϕVc (Ec5)	30.38 Tn	303824.8	OK

Modificaciones:

Ejecutó:	A.M.O.A
Revisó:	A.M.O.A
Aprobó:	A.M.O.A

PROYEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO** **CARMEN DE VIVORAL - ANTIOQUIA** **Vulnerabilidad - DISEÑO DE ZAPATAS**	COD: PYK.406.ME001 FECHA: FEB-18-2022

ID de Columna o Pantalla

Ubicación: Eje B16

ZAPATA 2

Carga de Columna o Pantalla

Fz =	77.63 Tn
Mx =	-1.45 Tn m
My =	0.19 Tn m

Dimensiones de la columna:

Ancho =	0.30 m	*Lado corto*
Largo =	0.60 m	*Lado largo*
e =	0.75 m	

Sección Transversal de la Cimentación:

Alto =	0.40 m	0.33 m
L1b =	0.75 m	Patin

Esfuerzo y Carga

σact=	25.16 Tn/m2	**OK**
W =	45.28 Tn/m	

Momento de Diseño

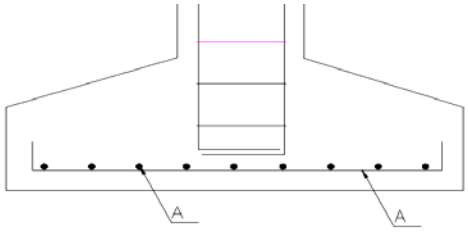
Mact =	12.74 Tn*m
Mu =	19.10 Tn*m

Revisión por cortante

1. Revisión por punzonamiento

Vu =	100.45 Tn		
β	2		
α	40		
Bo=	3.10 m		
ϕVc (Ec2)	117.73 Tn	1569761.3	OK
ϕVc (Ec3)	178.01 Tn	2373407.6	OK
ϕVc (Ec4)	114.27 Tn	1523591.9	OK

Detalle del Refuerzo



Presion Admisible de Cimentación:

σadm= 29.7 Tn/m2

Porcentaje de Peso de la Cimentación:

FS =	1.5
P cimiento =	3.88 Tn
Pultima =	81.51 Tn

Dimensiones de la Cimentación:

A =	2.74 m2	3.24 m2	
L1 =	1.80 m	1.70 m	*Lado largo*
L2 =	1.80 m	1.52 m	*Lado corto*

Materiales

Concreto =	2100 Tn/m2	21 Mpa
Acero =	42000 Tn/m2	420 Mpa

Diseño a Flexion

ρ =	0.0027			
As =	16.06 cm2	#5 c/	0.20 m	Ⓐ

2. Revisión como viga

Lado Largo:

Vu =	28.87 Tn		
ϕVc (Ec5)	34.18 Tn	341802.9	OK

Lado corto:

Vu =	18.68 Tn		
ϕVc (Ec5)	34.18 Tn	341802.9	OK

Modificaciones:

Ejecutó:	A.M.O.A
Revisó:	A.M.O.A
Aprobó:	A.M.O.A

PROVEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO** **CARMEN DE VIVORAL - ANTIOQUIA** **Vulnerabilidad - DISEÑO DE ZAPATAS**	COD: PYK.406.ME001 FECHA: FEB-18-2022

ID de Columna o Pantalla

Eje C18

ZAPATA 3

Presion Admisible de Cimentación:

σadm= 29.7 Tn/m2

Carga de Columna o Pantalla

Fz = 28.93 Tn
Mx = 0.10 Tn m
My = -2.22 Tn m

Porcentaje de Peso de la Cimentación:

FS = 1.5
P cimiento = 1.45 Tn
Pultima = 30.38 Tn

Dimensiones de la columna:

Ancho = 0.30 m *Lado corto*
Largo = 0.60 m *Lado largo*
e = 0.32 m

Dimensiones de la Cimentación:

A =	1.02 m2	1.21 m2	
L1 =	1.10 m	1.10 m	*Lado largo*
L2 =	1.10 m	0.93 m	*Lado corto*

Sección Transversal de la Cimentación:

Alto =	0.40 m	0.33 m
L1b =	0.40 m	Patin

Esfuerzo y Carga

σact= 25.10 Tn/m2 **OK**
W = 27.61 Tn/m

Materiales

Concreto = 2100 Tn/m2 (21 Mpa)
Acero = 42000 Tn/m2 (420 Mpa)

Momento de Diseño

Mact = 2.21 Tn*m
Mu = 3.31 Tn*m

Diseño a Flexion

ρ = 0.0018
As = 6.44 cm2 **#4 c/** 0.19 m Ⓐ

Revisión por cortante

1. Revisión por punzonamiento

Vu =	23.79 Tn		
β	2		
α	40		
Bo=	3.10 m		
ϕVc (Ec2)	117.73 Tn	1569761.3	OK
ϕVc (Ec3)	178.01 Tn	2373407.6	OK
ϕVc (Ec4)	114.27 Tn	1523591.9	OK

2. Revisión como viga

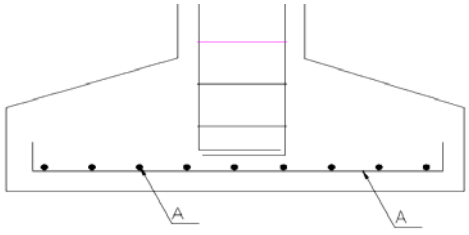
Lado Largo:

Vu =	3.11 Tn		
ϕVc (Ec5)	20.89 Tn	208879.5	OK

Lado corto:

Vu =	-3.11 Tn		
ϕVc (Ec5)	20.89 Tn	208879.5	OK

Detalle del Refuerzo



Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

PARAMETROS DE DISEÑO

1. Grado de Desempeño: Bueno
2. Criterio de Diseño: Mampostería sin refuerzo confinada por la estructura
3. Muros de fachada

FUERZAS SISMICAS DE DISEÑO

$$Fp = \frac{ax\ ap}{Rp}\ g\ Mp > \frac{Aa\ I}{2} gMp \qquad \text{NSR-10 A9..4.2}$$

Donde:

ax = Aceleración en el punto de soporte del elemento — NSR-10 A9..4.2.1
ap = Ampliación dinámica del elemento no estructural — NSR-10 TABLA A.9.5.1
Rp= Capacidad de disipación de energía en el rango inelático del elemento no estructural =
6 **Dúctiles** — NSR-10 TABLA A.9.4.9
Mp= Masa del elemento (muro) de espesor = **0.12 m**
Largo mayor elemento = **7.00 m**
altura mayor del elemento = **4.25 m**
I= Coeficiente de Importancia = **1.00**
Sa= Aceleración Espectral
Sa= **0.87**
Aa = **0.15**

$$ax = As + \frac{(Sa-As)hx}{heq} \qquad \textbf{hx<= heq} \qquad \text{NSR-10 A9..4.2.1}$$

$$ax = Sa\ \frac{hx}{heq} \qquad \textbf{hx> heq}$$

VALORES DE ax

NIVEL	hn (m)	heq (m)	hx (m)	ax
CUBIERTA	3.80	2.85	3.80	0.20
PISO1	3.80	2.85	0.00	0.15

hn Altura del piso mas alto
hx Altura del nivel donde este apoyado el muro

FUERZA SISMICA DE DISEÑO Fp

NIVEL	**h (m)**	**Mp x g (N)**	ax	ap	**Fp (kn)**	**Aa I g Mp / 2**	**Fp Diseño**
CUBIERTA	3.80	64.79	0.20	**1.00**	0.002	0.005	0.005
PISO1	3.80	64.79	0.15	**1.00**	0.002	0.005	0.005

I = 1.00
Aa = 0.15

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

CÁLCULO DE REFUERZO

b (m)= 1.00 f'm = 10.0 MPa.
d (m) = 0.12 m fy= 420.0 MPa.

Distancia entre anclajes: 2.50 m

NIVEL	h (m)	Fp (kN)	M (kN-m)/m	Mu (*1.33) (kN-m)	Vu (kN)	Cuantía	As (cm2/m)
CUBIERTA	3.80	0.005	0.070	0.233	0.002	0.00140	4.2908E-05
PISO1	0.00	0.005	0.000	0.000	0.002	0.00140	0
			Flexion		Corte		

Teniendo en cuenta la transferencia de esfuerzos entre el muro y la estructura principal, se debe dejar una longitud libre de la varilla de tal manera que su rigidez no traslade fuerzas excesivas, por lo tanto, los últimos 11 cm de la varilla (incluyendo la dilatación) no deben estar rodeados por concreto.

fys= 420.0 MPa.
l anclaje (m) = 0.15

NIVEL	Vu (kN/m)	Anclaje f	Vn (kN)	Chequeo
CUBIERTA	0.002	3/8	0.48	ok
PISO1	0.002	3/8	0.48	ok

CORTE

NIVEL	Φ req flexion (cm)	#	Φ sumin flexion (cm)	Chequeo
CUBIERTA	0.49	3	0.95	ok
PISO1	0.00	3	0.95	ok

FLEXION

Modificaciones:

Ejecutó: A.M.O.A
Revisó: A.M.O.A
Aprobó: A.M.O.A

Memorias de diseño de vigas

V-101/PISO1

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =9.34 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

Memorias de diseño de vigas

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =12.10 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =9.34 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.55		
Mu=-1.92 As =7.96 As(r)=5.94	Mu=-0.38 As =13.02 As(r)=5.94	Mu=-1.92 As =7.96 As(r)=5.94
Mu=0.64 As =7.96 As(r)=5.94		Mu=0.64 As =7.96 As(r)=5.94
Vu=-1.69		Vu=1.69

V-102/PISO1

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

Memorias de diseño de vigas

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =9.34 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =12.10 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =9.34 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.55		
Mu=-1.92 As =7.96 As(r)=5.94	Mu=-0.38 As =13.02 As(r)=5.94	Mu=-1.92 As =7.96 As(r)=5.94
Mu=0.64 As =7.96 As(r)=5.94		Mu=0.64 As =7.96 As(r)=5.94
Vu=-1.69		Vu=1.69

Memorias de diseño de vigas

V-103/PISO1

B=0.40 H=0.50 L=5.40		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =15.31 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73

V-105/PISO1

B=0.30 H=0.50 L=5.70		
Mu=-1.51 As =5.97 As(r)=4.46	Mu=-0.30 As =11.14 As(r)=4.46	Mu=-1.51 As =5.97 As(r)=4.46
Mu=0.50 As =5.97 As(r)=4.46		Mu=0.50 As =5.97 As(r)=4.46
Vu=-1.30		Vu=1.30

V-106/PISO1

B=0.30 H=0.50 L=4.70		
Mu=-1.05 As =5.97 As(r)=4.46	Mu=-0.21 As =5.97 As(r)=4.46	Mu=-1.05 As =5.97 As(r)=4.46
Mu=0.35 As =5.97 As(r)=4.46		Mu=0.35 As =5.97 As(r)=4.46
Vu=-1.08		Vu=1.08

V-107/PISO1

B=0.30 H=0.50 L=5.70		
Mu=-1.51 As =5.97 As(r)=4.46	Mu=-0.30 As =11.14 As(r)=4.46	Mu=-1.51 As =5.97 As(r)=4.46
Mu=0.50 As =5.97 As(r)=4.46		Mu=0.50 As =5.97 As(r)=4.46
Vu=-1.30		Vu=1.30

V-108/PISO1

B=0.30 H=0.50 L=4.70		
Mu=-1.05 As =5.97 As(r)=4.46	Mu=-0.21 As =5.97 As(r)=4.46	Mu=-1.05 As =5.97 As(r)=4.46
Mu=0.35 As =5.97 As(r)=4.46		Mu=0.35 As =5.97 As(r)=4.46
Vu=-1.08		Vu=1.08

Memorias de diseño de vigas

V-109/PISO1

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =9.34 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

Memorias de diseño de vigas

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =12.10 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =9.34 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.55		
Mu=-1.92 As =7.96 As(r)=5.94	Mu=-0.38 As =13.02 As(r)=5.94	Mu=-1.92 As =7.96 As(r)=5.94
Mu=0.64 As =7.96 As(r)=5.94		Mu=0.64 As =7.96 As(r)=5.94
Vu=-1.69		Vu=1.69

V-110/PISO1

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

Memorias de diseño de vigas

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =9.34 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.44		Vu=1.44	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =12.10 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94	Mu=-0.28 As =7.96 As(r)=5.94	Mu=-1.40 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.47 As =7.96 As(r)=5.94		Mu=0.47 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.44		Vu=1.44

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =9.34 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94	Mu=-0.40 As =7.96 As(r)=5.94	Mu=-2.02 As =7.96 As(r)=5.94
Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94	Mu=0.67 As =7.96 As(r)=5.94		Mu=0.67 As =7.96 As(r)=5.94
Vu=-1.73		Vu=1.73	Vu=-1.73		Vu=1.73

B=0.40 H=0.50 L=5.55		
Mu=-1.92 As =7.96 As(r)=5.94	Mu=-0.38 As =13.02 As(r)=5.94	Mu=-1.92 As =7.96 As(r)=5.94
Mu=0.64 As =7.96 As(r)=5.94		Mu=0.64 As =7.96 As(r)=5.94
Vu=-1.69		Vu=1.69

Memorias de diseño de vigas

V-111/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-112/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-113/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.60

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

Memorias de diseño de vigas

V-114/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=2.56		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =10.91 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.65

B=0.30 H=0.50 L=2.73			B=0.30 H=0.50 L=2.43		
Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.08 As =10.45 As(r)=4.46	Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46	Mu=-0.06 As =9.07 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46	Mu=0.11 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.66		Vu=0.66	Vu=-0.60		Vu=0.60

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-115/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=2.56		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =10.91 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.65

B=0.30 H=0.50 L=2.73			B=0.30 H=0.50 L=2.43		
Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.08 As =10.45 As(r)=4.46	Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46	Mu=-0.06 As =9.07 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46	Mu=0.11 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.66		Vu=0.66	Vu=-0.60		Vu=0.60

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

Memorias de diseño de vigas

V-116/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.60

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-117/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-118/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

Memorias de diseño de vigas

V-119/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-120/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.35		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.29 As =5.97 As(r)=4.46	Mu=-0.66 As =5.97 As(r)=4.46	Mu=-3.29 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.10 As =5.97 As(r)=4.46		Mu=1.10 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.55			B=0.30 H=0.50 L=1.95		
Mu=-3.44 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.44 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.15 As =5.97 As(r)=4.46		Mu=1.15 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-121/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

Memorias de diseño de vigas

V-122/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-123/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.60

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-124/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=2.56		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =10.91 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.65

B=0.30 H=0.50 L=2.73			B=0.30 H=0.50 L=2.43		
Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.08 As =10.45 As(r)=4.46	Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46	Mu=-0.06 As =9.07 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46	Mu=0.11 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.66		Vu=0.66	Vu=-0.60		Vu=0.60

Memorias de diseño de vigas

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-125/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=2.56		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =10.91 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.65

B=0.30 H=0.50 L=2.73			B=0.30 H=0.50 L=2.43		
Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.08 As =10.45 As(r)=4.46	Mu=-0.39 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46	Mu=-0.06 As =9.07 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.13 As =5.97 As(r)=4.46		Mu=0.13 As =5.97 As(r)=4.46	Mu=0.11 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.66		Vu=0.66	Vu=-0.60		Vu=0.60

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-126/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.38 As =5.97 As(r)=4.46	Mu=-0.08 As =5.97 As(r)=4.46	Mu=-0.32 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=0.13 As =5.97 As(r)=4.46		Mu=0.11 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-0.65		Vu=0.60

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

Memorias de diseño de vigas

V-127/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-128/PISO1

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=8.32		
Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46	Mu=-0.65 As =5.97 As(r)=4.46	Mu=-3.27 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46	Mu=1.09 As =5.97 As(r)=4.46		Mu=1.09 As =5.97 As(r)=4.46
Vu=-0.55		Vu=0.55	Vu=-1.91		Vu=1.91

B=0.30 H=0.50 L=8.58			B=0.30 H=0.50 L=1.95		
Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.69 As =5.97 As(r)=4.46	Mu=-3.47 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46	Mu=-0.05 As =5.97 As(r)=4.46	Mu=-0.27 As =5.97 As(r)=4.46
Mu=1.16 As =5.97 As(r)=4.46		Mu=1.16 As =5.97 As(r)=4.46	Mu=0.09 As =5.97 As(r)=4.46		Mu=0.09 As =5.97 As(r)=4.46
Vu=-1.96		Vu=1.96	Vu=-0.55		Vu=0.55

V-201/CUBIERTA

B=0.20 H=0.50 L=1.25			B=0.20 H=0.50 L=5.70		
Mu=-0.14 As =3.98 As(r)=2.97	Mu=-0.20 As =3.98 As(r)=2.97	Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.75 As =3.98 As(r)=2.97	Mu=-0.44 As =6.97 As(r)=2.97	Mu=-2.17 As =3.98 As(r)=2.97
Mu=0.09 As =3.98 As(r)=2.97		Mu=0.25 As =3.98 As(r)=2.97	Mu=1.07 As =3.98 As(r)=2.97		Mu=0.73 As =3.98 As(r)=2.97
Vu=0.94		Vu=-0.64	Vu=-0.76		Vu=1.11

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=4.70		
Mu=-1.32 As =3.98 As(r)=2.97	Mu=-0.26 As =3.98 As(r)=2.97	Mu=-1.25 As =3.98 As(r)=2.97	Mu=-1.31 As =3.98 As(r)=2.97	Mu=-0.28 As =6.05 As(r)=2.97	Mu=-1.42 As =3.98 As(r)=2.97
Mu=0.44 As =3.98 As(r)=2.97		Mu=0.42 As =3.98 As(r)=2.97	Mu=0.44 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97
Vu=-1.14		Vu=1.10	Vu=-0.90		Vu=0.86

Memorias de diseño de vigas

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=5.70		
Mu=-1.09 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.68 As =3.98 As(r)=2.97	Mu=-1.50 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.25 As =3.98 As(r)=2.97
Mu=0.36 As =3.98 As(r)=2.97		Mu=0.56 As =3.98 As(r)=2.97	Mu=0.50 As =3.98 As(r)=2.97		Mu=0.42 As =3.98 As(r)=2.97
Vu=-1.03		Vu=1.17	Vu=-1.17		Vu=1.14

B=0.20 H=0.50 L=4.70			B=0.20 H=0.50 L=5.70		
Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.28 As =3.98 As(r)=2.97	Mu=-1.42 As =3.98 As(r)=2.97	Mu=-1.11 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.68 As =3.98 As(r)=2.97
Mu=0.41 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97	Mu=0.37 As =3.98 As(r)=2.97		Mu=0.56 As =3.98 As(r)=2.97
Vu=-0.89		Vu=0.89	Vu=-1.03		Vu=1.16

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=4.70		
Mu=-1.50 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.23 As =3.98 As(r)=2.97	Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.30 As =5.13 As(r)=2.97	Mu=-1.51 As =3.98 As(r)=2.97
Mu=0.50 As =3.98 As(r)=2.97		Mu=0.41 As =3.98 As(r)=2.97	Mu=0.41 As =3.98 As(r)=2.97		Mu=0.50 As =3.98 As(r)=2.97
Vu=-1.17		Vu=1.14	Vu=-0.87		Vu=0.90

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=4.70		
Mu=-1.15 As =3.98 As(r)=2.97	Mu=-0.26 As =3.98 As(r)=2.97	Mu=-1.28 As =3.98 As(r)=2.97	Mu=-1.31 As =3.98 As(r)=2.97	Mu=-0.28 As =6.51 As(r)=2.97	Mu=-1.42 As =3.98 As(r)=2.97
Mu=0.38 As =3.98 As(r)=2.97		Mu=0.43 As =3.98 As(r)=2.97	Mu=0.44 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97
Vu=-1.10		Vu=1.11	Vu=-0.90		Vu=0.87

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=5.70		
Mu=-1.10 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.68 As =3.98 As(r)=2.97	Mu=-1.50 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.25 As =3.98 As(r)=2.97
Mu=0.37 As =3.98 As(r)=2.97		Mu=0.56 As =3.98 As(r)=2.97	Mu=0.50 As =3.98 As(r)=2.97		Mu=0.42 As =3.98 As(r)=2.97
Vu=-1.03		Vu=1.17	Vu=-1.16		Vu=1.14

B=0.20 H=0.50 L=4.70			B=0.20 H=0.50 L=5.70		
Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.28 As =3.98 As(r)=2.97	Mu=-1.41 As =3.98 As(r)=2.97	Mu=-1.11 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.72 As =3.98 As(r)=2.97
Mu=0.41 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97	Mu=0.37 As =3.98 As(r)=2.97		Mu=0.57 As =3.98 As(r)=2.97
Vu=-0.89		Vu=0.89	Vu=-1.02		Vu=1.16

Memorias de diseño de vigas

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=5.55		
Mu=-1.49 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.24 As =3.98 As(r)=2.97	Mu=-1.62 As =3.98 As(r)=2.97	Mu=-0.41 As =7.58 As(r)=2.97	Mu=-2.05 As =3.98 As(r)=2.97
Mu=0.50 As =3.98 As(r)=2.97		Mu=0.41 As =3.98 As(r)=2.97	Mu=0.54 As =3.98 As(r)=2.97		Mu=0.68 As =3.98 As(r)=2.97
Vu=-1.15		Vu=1.09	Vu=-1.07		Vu=0.75

B=0.20 H=0.50 L=1.25		
Mu=-0.47 As =3.98 As(r)=2.97	Mu=-0.18 As =3.98 As(r)=2.97	Mu=-0.27 As =3.98 As(r)=2.97
Mu=0.55 As =3.98 As(r)=2.97		Mu=0.00 As =3.98 As(r)=2.97
Vu=0.64		Vu=-0.93

V-202/CUBIERTA

B=0.40 H=0.50 L=1.35			B=0.40 H=0.50 L=5.70		
Mu=-0.00 As =1.99 As(r)=5.94	Mu=-0.72 As =7.96 As(r)=5.94	Mu=-2.97 As =7.96 As(r)=5.94	Mu=-2.36 As =7.96 As(r)=5.94	Mu=-2.36 As =13.93 As(r)=5.94	Mu=-11.81 As =7.96 As(r)=7.29
Mu=0.00 As =1.99 As(r)=5.94		Mu=0.59 As =7.96 As(r)=5.94	Mu=6.24 As =7.96 As(r)=5.94		Mu=3.94 As =7.96 As(r)=5.94
Vu=0.04		Vu=-0.79	Vu=2.39		Vu=3.31

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-8.69 As =7.96 As(r)=5.94	Mu=-2.12 As =7.96 As(r)=5.94	Mu=-10.59 As =7.96 As(r)=6.51	Mu=-9.84 As =7.96 As(r)=6.02	Mu=-2.13 As =12.10 As(r)=5.94	Mu=-10.65 As =7.96 As(r)=6.54
Mu=2.90 As =7.96 As(r)=5.94		Mu=3.53 As =7.96 As(r)=5.94	Mu=3.28 As =7.96 As(r)=5.94		Mu=3.55 As =7.96 As(r)=5.94
Vu=-7.06		Vu=7.21	Vu=-5.46		Vu=5.21

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-9.37 As =7.96 As(r)=5.94	Mu=-2.50 As =7.96 As(r)=5.94	Mu=-12.50 As =7.96 As(r)=7.74	Mu=-12.44 As =7.96 As(r)=7.70	Mu=-2.49 As =7.96 As(r)=5.94	Mu=-10.25 As =7.96 As(r)=6.29
Mu=3.12 As =7.96 As(r)=5.94		Mu=4.17 As =7.96 As(r)=5.94	Mu=4.15 As =7.96 As(r)=5.94		Mu=3.42 As =7.96 As(r)=5.94
Vu=-6.71		Vu=7.47	Vu=-7.45		Vu=6.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-9.01 As =7.96 As(r)=5.94	Mu=-2.15 As =7.96 As(r)=5.94	Mu=-10.73 As =7.96 As(r)=6.59	Mu=-9.52 As =7.96 As(r)=5.94	Mu=-2.50 As =7.96 As(r)=5.94	Mu=-12.50 As =7.96 As(r)=7.74
Mu=3.39 As =7.96 As(r)=5.94		Mu=3.58 As =7.96 As(r)=5.94	Mu=3.17 As =7.96 As(r)=5.94		Mu=4.17 As =7.96 As(r)=5.94
Vu=-5.36		Vu=5.36	Vu=-6.73		Vu=7.45

Memorias de diseño de vigas

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-12.44 As =7.96 As(r)=7.70	Mu=-2.49 As =7.96 As(r)=5.94	Mu=-10.17 As =7.96 As(r)=6.23	Mu=-8.90 As =7.96 As(r)=5.94	Mu=-2.23 As =10.26 As(r)=5.94	Mu=-11.17 As =7.96 As(r)=6.87
Mu=4.15 As =7.96 As(r)=5.94		Mu=3.39 As =7.96 As(r)=5.94	Mu=3.19 As =7.96 As(r)=5.94		Mu=3.72 As =7.96 As(r)=5.94
Vu=-7.46		Vu=6.72	Vu=-5.25		Vu=5.45

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-10.16 As =7.96 As(r)=6.23	Mu=-2.12 As =7.96 As(r)=5.94	Mu=-10.61 As =7.96 As(r)=6.52	Mu=-9.53 As =7.96 As(r)=5.94	Mu=-2.13 As =13.02 As(r)=5.94	Mu=-10.65 As =7.96 As(r)=6.54
Mu=3.39 As =7.96 As(r)=5.94		Mu=3.54 As =7.96 As(r)=5.94	Mu=3.18 As =7.96 As(r)=5.94		Mu=3.55 As =7.96 As(r)=5.94
Vu=-7.13		Vu=7.13	Vu=-5.45		Vu=5.25

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-9.43 As =7.96 As(r)=5.94	Mu=-2.50 As =7.96 As(r)=5.94	Mu=-12.50 As =7.96 As(r)=7.74	Mu=-12.43 As =7.96 As(r)=7.69	Mu=-2.49 As =7.96 As(r)=5.94	Mu=-10.26 As =7.96 As(r)=6.29
Mu=3.14 As =7.96 As(r)=5.94		Mu=4.17 As =7.96 As(r)=5.94	Mu=4.14 As =7.96 As(r)=5.94		Mu=3.42 As =7.96 As(r)=5.94
Vu=-6.72		Vu=7.46	Vu=-7.45		Vu=6.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-9.03 As =7.96 As(r)=5.94	Mu=-2.14 As =7.96 As(r)=5.94	Mu=-10.69 As =7.96 As(r)=6.56	Mu=-9.43 As =7.96 As(r)=5.94	Mu=-2.54 As =7.96 As(r)=5.94	Mu=-12.72 As =7.96 As(r)=7.88
Mu=3.01 As =7.96 As(r)=5.94		Mu=3.56 As =7.96 As(r)=5.94	Mu=3.14 As =7.96 As(r)=5.94		Mu=4.24 As =7.96 As(r)=5.94
Vu=-5.37		Vu=5.35	Vu=-6.70		Vu=7.46

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.55		
Mu=-12.81 As =7.96 As(r)=7.94	Mu=-2.56 As =7.96 As(r)=5.94	Mu=-9.52 As =7.96 As(r)=5.94	Mu=-7.46 As =7.96 As(r)=5.94	Mu=-1.85 As =15.16 As(r)=5.94	Mu=-9.24 As =7.96 As(r)=5.94
Mu=4.27 As =7.96 As(r)=5.94		Mu=3.17 As =7.96 As(r)=5.94	Mu=2.49 As =7.96 As(r)=5.94		Mu=3.08 As =7.96 As(r)=5.94
Vu=-7.54		Vu=6.65	Vu=-3.11		Vu=-2.55

B=0.40 H=0.50 L=1.25		
Mu=-2.01 As =7.96 As(r)=5.94	Mu=-0.78 As =7.96 As(r)=5.94	Mu=-0.21 As =7.96 As(r)=5.94
Mu=0.40 As =7.96 As(r)=5.94		Mu=0.09 As =7.96 As(r)=5.94
Vu=0.84		Vu=-3.01

Memorias de diseño de vigas

V-203/CUBIERTA

B=0.50 H=0.50 L=1.25			B=0.50 H=0.50 L=5.70		
Mu=-0.00 As =14.20 As(r)=7.43	Mu=-1.96 As =14.20 As(r)=7.43	Mu=-4.68 As =14.20 As(r)=7.43	Mu=-5.55 As =14.20 As(r)=7.43	Mu=-5.55 As =27.43 As(r)=7.43	Mu=-27.75 As =25.50 As(r)=18.01
Mu=0.20 As =14.20 As(r)=7.43		Mu=0.94 As =14.20 As(r)=7.43	Mu=8.58 As =14.20 As(r)=7.43		Mu=9.25 As =14.20 As(r)=7.43
Vu=3.85		Vu=2.63	Vu=-6.60		Vu=12.82

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=4.70		
Mu=-32.08 As =25.50 As(r)=21.21	Mu=-7.76 As =19.22 As(r)=7.43	Mu=-38.82 As =25.50 As(r)=26.49	Mu=-34.45 As =25.50 As(r)=23.03	Mu=-6.89 As =22.81 As(r)=7.43	Mu=-31.32 As =25.50 As(r)=20.64
Mu=10.69 As =14.20 As(r)=11.93		Mu=12.94 As =14.20 As(r)=11.93	Mu=11.48 As =14.20 As(r)=7.43		Mu=10.44 As =14.20 As(r)=7.43
Vu=-35.58		Vu=37.42	Vu=-30.07		Vu=29.00

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=5.70		
Mu=-34.70 As =25.50 As(r)=23.22	Mu=-8.90 As =17.39 As(r)=7.43	Mu=-44.51 As =38.12 As(r)=31.28	Mu=-44.46 As =38.12 As(r)=31.24	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-35.11 As =25.50 As(r)=23.54
Mu=11.57 As =14.20 As(r)=10.12		Mu=14.84 As =14.20 As(r)=10.12	Mu=14.82 As =14.20 As(r)=10.04		Mu=11.70 As =14.20 As(r)=10.04
Vu=-35.06		Vu=37.85	Vu=-37.78		Vu=35.12

B=0.50 H=0.50 L=4.70			B=0.50 H=0.50 L=5.70		
Mu=-31.95 As =25.50 As(r)=21.12	Mu=-6.39 As =14.20 As(r)=7.43	Mu=-31.97 As =25.50 As(r)=21.13	Mu=-35.12 As =25.50 As(r)=23.55	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-44.43 As =38.12 As(r)=31.21
Mu=10.65 As =14.20 As(r)=7.43		Mu=10.66 As =14.20 As(r)=7.43	Mu=11.71 As =14.20 As(r)=10.05		Mu=14.81 As =14.20 As(r)=10.05
Vu=-29.55		Vu=29.56	Vu=-35.13		Vu=37.78

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=4.70		
Mu=-44.45 As =38.12 As(r)=31.23	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-34.88 As =25.50 As(r)=23.36	Mu=-31.58 As =25.50 As(r)=20.84	Mu=-6.69 As =23.72 As(r)=7.43	Mu=-33.43 As =25.50 As(r)=22.24
Mu=14.82 As =14.20 As(r)=10.09		Mu=11.63 As =14.20 As(r)=10.09	Mu=10.53 As =14.20 As(r)=7.43		Mu=11.14 As =14.20 As(r)=7.43
Vu=-37.81		Vu=35.09	Vu=-29.22		Vu=29.86

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=4.70		
Mu=-37.29 As =25.50 As(r)=25.26	Mu=-7.46 As =16.48 As(r)=7.43	Mu=-37.29 As =25.50 As(r)=25.26	Mu=-33.43 As =25.50 As(r)=22.24	Mu=-6.69 As =22.81 As(r)=7.43	Mu=-31.59 As =25.50 As(r)=20.84
Mu=12.43 As =14.20 As(r)=11.12		Mu=12.43 As =14.20 As(r)=11.12	Mu=11.14 As =14.20 As(r)=7.43		Mu=10.53 As =14.20 As(r)=7.43
Vu=-36.49		Vu=36.49	Vu=-29.86		Vu=29.23

Memorias de diseño de vigas

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=5.70		
Mu=-34.88 As =25.50 As(r)=23.36	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-44.45 As =38.12 As(r)=31.23	Mu=-44.41 As =38.12 As(r)=31.20	Mu=-8.88 As =15.26 As(r)=7.43	Mu=-35.16 As =25.50 As(r)=23.57
Mu=11.63 As =14.20 As(r)=10.09		Mu=14.82 As =14.20 As(r)=10.09	Mu=14.80 As =14.20 As(r)=10.04		Mu=11.72 As =14.20 As(r)=10.04
Vu=-35.09		Vu=37.81	Vu=-37.77		Vu=35.13

B=0.50 H=0.50 L=4.70			B=0.50 H=0.50 L=5.70		
Mu=-32.01 As =25.50 As(r)=21.16	Mu=-6.40 As =22.81 As(r)=7.43	Mu=-31.78 As =25.50 As(r)=20.98	Mu=-34.84 As =25.50 As(r)=23.33	Mu=-9.07 As =14.20 As(r)=7.43	Mu=-45.34 As =38.12 As(r)=32.02
Mu=10.67 As =14.20 As(r)=7.43		Mu=10.59 As =14.20 As(r)=7.43	Mu=11.61 As =14.20 As(r)=9.91		Mu=15.11 As =14.20 As(r)=9.91
Vu=-29.59		Vu=29.52	Vu=-34.95		Vu=37.93

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=5.55		
Mu=-45.89 As =38.12 As(r)=32.50	Mu=-9.18 As =14.20 As(r)=7.43	Mu=-29.78 As =25.50 As(r)=19.49	Mu=-24.71 As =25.50 As(r)=15.84	Mu=-4.94 As =23.78 As(r)=7.43	Mu=-12.35 As =14.20 As(r)=7.56
Mu=15.30 As =14.20 As(r)=10.88		Mu=9.93 As =14.20 As(r)=10.88	Mu=8.24 As =14.20 As(r)=7.43		Mu=4.94 As =14.20 As(r)=7.43
Vu=-38.73		Vu=34.21	Vu=-12.32		Vu=11.12

B=0.50 H=0.50 L=1.25		
Mu=-4.35 As =14.20 As(r)=7.43	Mu=-1.94 As =14.20 As(r)=7.43	Mu=-0.09 As =14.20 As(r)=7.43
Mu=0.87 As =14.20 As(r)=7.43		Mu=0.08 As =14.20 As(r)=7.43
Vu=-2.62		Vu=-3.85

V-204/CUBIERTA

B=0.40 H=0.50 L=1.10			B=0.40 H=0.50 L=5.40		
Mu=-0.09 As =11.36 As(r)=5.94	Mu=-2.77 As =11.36 As(r)=5.94	Mu=-5.81 As =11.36 As(r)=5.94	Mu=-12.32 As =11.36 As(r)=7.62	Mu=-5.31 As =23.37 As(r)=5.94	Mu=-26.56 As =20.40 As(r)=17.65
Mu=0.18 As =11.36 As(r)=5.94		Mu=1.16 As =11.36 As(r)=5.94	Mu=11.92 As =11.36 As(r)=7.72		Mu=8.85 As =11.36 As(r)=8.49
Vu=4.32		Vu=4.39	Vu=-12.23		Vu=11.53

V-205/CUBIERTA

B=0.40 H=0.50 L=5.25			B=0.40 H=0.50 L=1.10		
Mu=-9.76 As =11.36 As(r)=5.97	Mu=-5.62 As =21.33 As(r)=5.94	Mu=-28.12 As =20.40 As(r)=18.85	Mu=-5.77 As =20.40 As(r)=5.94	Mu=-2.73 As =20.40 As(r)=5.94	Mu=-0.23 As =20.40 As(r)=5.94
Mu=13.92 As =11.36 As(r)=8.67		Mu=9.37 As =11.36 As(r)=7.88	Mu=1.15 As =11.36 As(r)=5.94		Mu=0.01 As =11.36 As(r)=5.94
Vu=-10.92		Vu=11.66	Vu=-4.40		Vu=-4.29

Memorias de diseño de vigas

V-206/CUBIERTA

B=0.50 H=0.50 L=1.25			B=0.50 H=0.50 L=5.70		
Mu=-0.00 As =14.20 As(r)=7.43	Mu=-1.86 As =14.20 As(r)=7.43	Mu=-4.49 As =14.20 As(r)=7.43	Mu=-5.53 As =14.20 As(r)=7.43	Mu=-5.53 As =27.43 As(r)=7.43	Mu=-27.63 As =25.50 As(r)=17.92
Mu=0.19 As =14.20 As(r)=7.43		Mu=0.90 As =14.20 As(r)=7.43	Mu=8.56 As =14.20 As(r)=7.43		Mu=9.21 As =14.20 As(r)=7.43
Vu=3.69		Vu=2.51	Vu=-6.37		Vu=12.61

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=4.70		
Mu=-31.98 As =25.50 As(r)=21.14	Mu=-7.77 As =19.22 As(r)=7.43	Mu=-38.85 As =25.50 As(r)=26.51	Mu=-34.47 As =25.50 As(r)=23.04	Mu=-6.89 As =22.81 As(r)=7.43	Mu=-31.31 As =25.50 As(r)=20.63
Mu=10.66 As =14.20 As(r)=11.95		Mu=12.95 As =14.20 As(r)=11.95	Mu=11.49 As =14.20 As(r)=7.43		Mu=10.44 As =14.20 As(r)=7.43
Vu=-35.56		Vu=37.44	Vu=-30.07		Vu=29.00

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=5.70		
Mu=-34.69 As =25.50 As(r)=23.21	Mu=-8.90 As =17.39 As(r)=7.43	Mu=-44.51 As =38.12 As(r)=31.28	Mu=-44.46 As =38.12 As(r)=31.24	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-35.11 As =25.50 As(r)=23.54
Mu=11.57 As =14.20 As(r)=10.12		Mu=14.84 As =14.20 As(r)=10.12	Mu=14.82 As =14.20 As(r)=10.04		Mu=11.70 As =14.20 As(r)=10.04
Vu=-35.06		Vu=37.85	Vu=-37.78		Vu=35.12

B=0.50 H=0.50 L=4.70			B=0.50 H=0.50 L=5.70		
Mu=-31.95 As =25.50 As(r)=21.12	Mu=-6.39 As =14.20 As(r)=7.43	Mu=-31.97 As =25.50 As(r)=21.13	Mu=-35.12 As =25.50 As(r)=23.55	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-44.43 As =38.12 As(r)=31.21
Mu=10.65 As =14.20 As(r)=7.43		Mu=10.66 As =14.20 As(r)=7.43	Mu=11.71 As =14.20 As(r)=10.05		Mu=14.81 As =14.20 As(r)=10.05
Vu=-29.55		Vu=29.56	Vu=-35.13		Vu=37.78

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=4.70		
Mu=-44.45 As =38.12 As(r)=31.23	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-34.88 As =25.50 As(r)=23.36	Mu=-31.58 As =25.50 As(r)=20.84	Mu=-6.69 As =23.72 As(r)=7.43	Mu=-33.43 As =25.50 As(r)=22.24
Mu=14.82 As =14.20 As(r)=10.09		Mu=11.63 As =14.20 As(r)=10.09	Mu=10.53 As =14.20 As(r)=7.43		Mu=11.14 As =14.20 As(r)=7.43
Vu=-37.81		Vu=35.09	Vu=-29.22		Vu=29.86

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=4.70		
Mu=-37.29 As =25.50 As(r)=25.26	Mu=-7.46 As =16.48 As(r)=7.43	Mu=-37.29 As =25.50 As(r)=25.26	Mu=-33.43 As =25.50 As(r)=22.24	Mu=-6.69 As =22.81 As(r)=7.43	Mu=-31.59 As =25.50 As(r)=20.84
Mu=12.43 As =14.20 As(r)=11.12		Mu=12.43 As =14.20 As(r)=11.12	Mu=11.14 As =14.20 As(r)=7.43		Mu=10.53 As =14.20 As(r)=7.43
Vu=-36.49		Vu=36.49	Vu=-29.86		Vu=29.23

Memorias de diseño de vigas

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=5.70		
Mu=-34.88 As =25.50 As(r)=23.36	Mu=-8.89 As =14.20 As(r)=7.43	Mu=-44.45 As =38.12 As(r)=31.23	Mu=-44.41 As =38.12 As(r)=31.20	Mu=-8.88 As =15.26 As(r)=7.43	Mu=-35.16 As =25.50 As(r)=23.57
Mu=11.63 As =14.20 As(r)=10.09		Mu=14.82 As =14.20 As(r)=10.09	Mu=14.80 As =14.20 As(r)=10.04		Mu=11.72 As =14.20 As(r)=10.04
Vu=-35.09		Vu=37.81	Vu=-37.77		Vu=35.13

B=0.50 H=0.50 L=4.70			B=0.50 H=0.50 L=5.70		
Mu=-32.01 As =25.50 As(r)=21.16	Mu=-6.40 As =22.81 As(r)=7.43	Mu=-31.77 As =25.50 As(r)=20.98	Mu=-34.83 As =25.50 As(r)=23.32	Mu=-9.07 As =14.20 As(r)=7.43	Mu=-45.36 As =38.12 As(r)=32.03
Mu=10.67 As =14.20 As(r)=7.43		Mu=10.59 As =14.20 As(r)=7.43	Mu=11.61 As =14.20 As(r)=9.91		Mu=15.12 As =14.20 As(r)=9.91
Vu=-29.60		Vu=29.52	Vu=-34.95		Vu=37.93

B=0.50 H=0.50 L=5.70			B=0.50 H=0.50 L=5.55		
Mu=-45.91 As =38.12 As(r)=32.52	Mu=-9.18 As =14.20 As(r)=7.43	Mu=-29.71 As =25.50 As(r)=19.44	Mu=-24.58 As =25.50 As(r)=15.75	Mu=-4.92 As =23.78 As(r)=7.43	Mu=-12.09 As =14.20 As(r)=7.43
Mu=15.30 As =14.20 As(r)=10.89		Mu=9.90 As =14.20 As(r)=10.89	Mu=8.19 As =14.20 As(r)=7.43		Mu=4.92 As =14.20 As(r)=7.43
Vu=-38.74		Vu=34.20	Vu=-12.13		Vu=10.92

B=0.50 H=0.50 L=1.20		
Mu=-4.01 As =14.20 As(r)=7.43	Mu=-1.80 As =14.20 As(r)=7.43	Mu=-0.11 As =14.20 As(r)=7.43
Mu=0.80 As =14.20 As(r)=7.43		Mu=0.05 As =14.20 As(r)=7.43
Vu=-2.45		Vu=-3.78

V-207/CUBIERTA

B=0.40 H=0.50 L=1.25			B=0.40 H=0.50 L=5.70		
Mu=-0.00 As =7.96 As(r)=5.94	Mu=-0.79 As =7.96 As(r)=5.94	Mu=-2.96 As =7.96 As(r)=5.94	Mu=-2.36 As =7.96 As(r)=5.94	Mu=-2.36 As =11.18 As(r)=5.94	Mu=-11.81 As =7.96 As(r)=7.29
Mu=0.33 As =7.96 As(r)=5.94		Mu=0.59 As =7.96 As(r)=5.94	Mu=6.24 As =7.96 As(r)=5.94		Mu=3.94 As =7.96 As(r)=5.94
Vu=3.00		Vu=-0.78	Vu=2.39		Vu=3.32

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-8.69 As =7.96 As(r)=5.94	Mu=-2.12 As =7.96 As(r)=5.94	Mu=-10.60 As =7.96 As(r)=6.51	Mu=-9.85 As =7.96 As(r)=6.03	Mu=-2.13 As =11.18 As(r)=5.94	Mu=-10.65 As =7.96 As(r)=6.54
Mu=2.90 As =7.96 As(r)=5.94		Mu=3.53 As =7.96 As(r)=5.94	Mu=3.28 As =7.96 As(r)=5.94		Mu=3.55 As =7.96 As(r)=5.94
Vu=-7.06		Vu=7.21	Vu=-5.46		Vu=5.21

Memorias de diseño de vigas

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-9.36 As =7.96 As(r)=5.94	Mu=-2.50 As =7.96 As(r)=5.94	Mu=-12.50 As =7.96 As(r)=7.74	Mu=-12.44 As =7.96 As(r)=7.70	Mu=-2.49 As =7.96 As(r)=5.94	Mu=-10.25 As =7.96 As(r)=6.29
Mu=3.12 As =7.96 As(r)=5.94		Mu=4.17 As =7.96 As(r)=5.94	Mu=4.15 As =7.96 As(r)=5.94		Mu=3.42 As =7.96 As(r)=5.94
Vu=-6.71		Vu=7.47	Vu=-7.45		Vu=6.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-9.01 As =7.96 As(r)=5.94	Mu=-2.15 As =7.96 As(r)=5.94	Mu=-10.73 As =7.96 As(r)=6.59	Mu=-9.52 As =7.96 As(r)=5.94	Mu=-2.50 As =7.96 As(r)=5.94	Mu=-12.50 As =7.96 As(r)=7.74
Mu=3.39 As =7.96 As(r)=5.94		Mu=3.58 As =7.96 As(r)=5.94	Mu=3.17 As =7.96 As(r)=5.94		Mu=4.17 As =7.96 As(r)=5.94
Vu=-5.36		Vu=5.36	Vu=-6.73		Vu=7.45

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-12.44 As =7.96 As(r)=7.70	Mu=-2.49 As =7.96 As(r)=5.94	Mu=-10.17 As =7.96 As(r)=6.23	Mu=-8.90 As =7.96 As(r)=5.94	Mu=-2.23 As =15.77 As(r)=5.94	Mu=-11.16 As =7.96 As(r)=6.87
Mu=4.15 As =7.96 As(r)=5.94		Mu=3.39 As =7.96 As(r)=5.94	Mu=3.19 As =7.96 As(r)=5.94		Mu=3.72 As =7.96 As(r)=5.94
Vu=-7.46		Vu=6.72	Vu=-5.25		Vu=5.45

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=4.70		
Mu=-10.16 As =7.96 As(r)=6.23	Mu=-2.12 As =7.96 As(r)=5.94	Mu=-10.61 As =7.96 As(r)=6.52	Mu=-9.53 As =7.96 As(r)=5.94	Mu=-2.13 As =12.10 As(r)=5.94	Mu=-10.65 As =7.96 As(r)=6.54
Mu=3.39 As =7.96 As(r)=5.94		Mu=3.54 As =7.96 As(r)=5.94	Mu=3.18 As =7.96 As(r)=5.94		Mu=3.55 As =7.96 As(r)=5.94
Vu=-7.13		Vu=7.13	Vu=-5.45		Vu=5.25

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.70		
Mu=-9.43 As =7.96 As(r)=5.94	Mu=-2.50 As =7.96 As(r)=5.94	Mu=-12.49 As =7.96 As(r)=7.74	Mu=-12.43 As =7.96 As(r)=7.69	Mu=-2.49 As =7.96 As(r)=5.94	Mu=-10.26 As =7.96 As(r)=6.29
Mu=3.14 As =7.96 As(r)=5.94		Mu=4.16 As =7.96 As(r)=5.94	Mu=4.14 As =7.96 As(r)=5.94		Mu=3.42 As =7.96 As(r)=5.94
Vu=-6.72		Vu=7.46	Vu=-7.45		Vu=6.73

B=0.40 H=0.50 L=4.70			B=0.40 H=0.50 L=5.70		
Mu=-9.03 As =7.96 As(r)=5.94	Mu=-2.14 As =11.18 As(r)=5.94	Mu=-10.68 As =7.96 As(r)=6.56	Mu=-9.43 As =7.96 As(r)=5.94	Mu=-2.54 As =7.96 As(r)=5.94	Mu=-12.72 As =7.96 As(r)=7.88
Mu=3.01 As =7.96 As(r)=5.94		Mu=3.56 As =7.96 As(r)=5.94	Mu=3.14 As =7.96 As(r)=5.94		Mu=4.24 As =7.96 As(r)=5.94
Vu=-5.37		Vu=5.36	Vu=-6.70		Vu=7.46

Memorias de diseño de vigas

B=0.40 H=0.50 L=5.70			B=0.40 H=0.50 L=5.55		
Mu=-12.81 As =7.96 As(r)=7.94	Mu=-2.56 As =7.96 As(r)=5.94	Mu=-9.52 As =7.96 As(r)=5.94	Mu=-7.48 As =7.96 As(r)=5.94	Mu=-1.84 As =13.02 As(r)=5.94	Mu=-9.20 As =7.96 As(r)=5.94
Mu=4.27 As =7.96 As(r)=5.94		Mu=3.17 As =7.96 As(r)=5.94	Mu=2.49 As =7.96 As(r)=5.94		Mu=3.07 As =7.96 As(r)=5.94
Vu=-7.54		Vu=6.65	Vu=-3.12		Vu=-2.56

B=0.40 H=0.50 L=1.20		
Mu=-1.94 As =7.96 As(r)=5.94	Mu=-0.75 As =7.96 As(r)=5.94	Mu=-0.21 As =7.96 As(r)=5.94
Mu=0.39 As =7.96 As(r)=5.94		Mu=0.10 As =7.96 As(r)=5.94
Vu=0.94		Vu=-3.13

V-208/CUBIERTA

B=0.20 H=0.50 L=1.25			B=0.20 H=0.50 L=5.70		
Mu=-0.14 As =3.98 As(r)=2.97	Mu=-0.19 As =3.98 As(r)=2.97	Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.74 As =3.98 As(r)=2.97	Mu=-0.44 As =4.21 As(r)=2.97	Mu=-2.18 As =3.98 As(r)=2.97
Mu=0.09 As =3.98 As(r)=2.97		Mu=0.25 As =3.98 As(r)=2.97	Mu=1.07 As =3.98 As(r)=2.97		Mu=0.73 As =3.98 As(r)=2.97
Vu=0.94		Vu=-0.64	Vu=-0.77		Vu=1.12

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=4.70		
Mu=-1.32 As =3.98 As(r)=2.97	Mu=-0.26 As =6.51 As(r)=2.97	Mu=-1.25 As =3.98 As(r)=2.97	Mu=-1.31 As =3.98 As(r)=2.97	Mu=-0.28 As =5.59 As(r)=2.97	Mu=-1.42 As =3.98 As(r)=2.97
Mu=0.44 As =3.98 As(r)=2.97		Mu=0.42 As =3.98 As(r)=2.97	Mu=0.44 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97
Vu=-1.14		Vu=1.10	Vu=-0.90		Vu=0.86

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=5.70		
Mu=-1.09 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.68 As =3.98 As(r)=2.97	Mu=-1.50 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.25 As =3.98 As(r)=2.97
Mu=0.36 As =3.98 As(r)=2.97		Mu=0.56 As =3.98 As(r)=2.97	Mu=0.50 As =3.98 As(r)=2.97		Mu=0.42 As =3.98 As(r)=2.97
Vu=-1.03		Vu=1.17	Vu=-1.16		Vu=1.14

B=0.20 H=0.50 L=4.70			B=0.20 H=0.50 L=5.70		
Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.28 As =3.98 As(r)=2.97	Mu=-1.42 As =3.98 As(r)=2.97	Mu=-1.11 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.68 As =3.98 As(r)=2.97
Mu=0.41 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97	Mu=0.37 As =3.98 As(r)=2.97		Mu=0.56 As =3.98 As(r)=2.97
Vu=-0.89		Vu=0.89	Vu=-1.03		Vu=1.16

Memorias de diseño de vigas

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=4.70		
Mu=-1.50 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.23 As =3.98 As(r)=2.97	Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.30 As =5.13 As(r)=2.97	Mu=-1.51 As =3.98 As(r)=2.97
Mu=0.50 As =3.98 As(r)=2.97		Mu=0.41 As =3.98 As(r)=2.97	Mu=0.41 As =3.98 As(r)=2.97		Mu=0.50 As =3.98 As(r)=2.97
Vu=-1.17		Vu=1.14	Vu=-0.87		Vu=0.90

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=4.70		
Mu=-1.15 As =3.98 As(r)=2.97	Mu=-0.26 As =3.98 As(r)=2.97	Mu=-1.28 As =3.98 As(r)=2.97	Mu=-1.31 As =3.98 As(r)=2.97	Mu=-0.28 As =6.05 As(r)=2.97	Mu=-1.42 As =3.98 As(r)=2.97
Mu=0.38 As =3.98 As(r)=2.97		Mu=0.43 As =3.98 As(r)=2.97	Mu=0.44 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97
Vu=-1.11		Vu=1.11	Vu=-0.91		Vu=0.87

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=5.70		
Mu=-1.10 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.68 As =3.98 As(r)=2.97	Mu=-1.50 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.25 As =3.98 As(r)=2.97
Mu=0.37 As =3.98 As(r)=2.97		Mu=0.56 As =3.98 As(r)=2.97	Mu=0.50 As =3.98 As(r)=2.97		Mu=0.42 As =3.98 As(r)=2.97
Vu=-1.03		Vu=1.17	Vu=-1.16		Vu=1.14

B=0.20 H=0.50 L=4.70			B=0.20 H=0.50 L=5.70		
Mu=-1.23 As =3.98 As(r)=2.97	Mu=-0.28 As =3.98 As(r)=2.97	Mu=-1.41 As =3.98 As(r)=2.97	Mu=-1.11 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97	Mu=-1.72 As =3.98 As(r)=2.97
Mu=0.41 As =3.98 As(r)=2.97		Mu=0.47 As =3.98 As(r)=2.97	Mu=0.37 As =3.98 As(r)=2.97		Mu=0.57 As =3.98 As(r)=2.97
Vu=-0.89		Vu=0.89	Vu=-1.02		Vu=1.16

B=0.20 H=0.50 L=5.70			B=0.20 H=0.50 L=5.55		
Mu=-1.49 As =3.98 As(r)=2.97	Mu=-0.30 As =3.98 As(r)=2.97	Mu=-1.25 As =3.98 As(r)=2.97	Mu=-1.62 As =3.98 As(r)=2.97	Mu=-0.40 As =7.81 As(r)=2.97	Mu=-2.02 As =3.98 As(r)=2.97
Mu=0.50 As =3.98 As(r)=2.97		Mu=0.42 As =3.98 As(r)=2.97	Mu=0.54 As =3.98 As(r)=2.97		Mu=0.67 As =3.98 As(r)=2.97
Vu=-1.15		Vu=1.10	Vu=-1.08		Vu=0.75

B=0.20 H=0.50 L=1.20		
Mu=-0.44 As =3.98 As(r)=2.97	Mu=-0.18 As =3.98 As(r)=2.97	Mu=-0.28 As =3.98 As(r)=2.97
Mu=0.56 As =3.98 As(r)=2.97		Mu=0.00 As =3.98 As(r)=2.97
Vu=0.67		Vu=-0.94

Memorias de diseño de vigas

V-209/CUBIERTA

B=0.20 H=0.50 L=1.35			B=0.20 H=0.50 L=2.15		
Mu=-0.16 As =3.98 As(r)=2.97	Mu=-0.35 As =3.98 As(r)=2.97	Mu=-1.36 As =3.98 As(r)=2.97	Mu=-0.92 As =3.98 As(r)=2.97	Mu=-0.86 As =3.98 As(r)=2.97	Mu=-1.95 As =3.98 As(r)=2.97
Mu=0.12 As =3.98 As(r)=2.97		Mu=0.27 As =3.98 As(r)=2.97	Mu=0.75 As =3.98 As(r)=2.97		Mu=0.65 As =3.98 As(r)=2.97
Vu=1.05		Vu=-0.50	Vu=1.28		Vu=-0.98

B=0.20 H=0.50 L=8.42			B=0.20 H=0.50 L=8.63		
Mu=-2.09 As =3.98 As(r)=2.97	Mu=-0.72 As =3.98 As(r)=2.97	Mu=-3.61 As =3.98 As(r)=2.97	Mu=-3.56 As =3.98 As(r)=2.97	Mu=-0.71 As =3.98 As(r)=2.97	Mu=-2.59 As =3.98 As(r)=2.97
Mu=0.72 As =3.98 As(r)=2.97		Mu=1.20 As =3.98 As(r)=2.97	Mu=1.19 As =3.98 As(r)=2.97		Mu=0.86 As =3.98 As(r)=2.97
Vu=-1.34		Vu=1.64	Vu=-1.68		Vu=1.55

B=0.20 H=0.50 L=2.25			B=0.20 H=0.50 L=1.50		
Mu=-1.68 As =3.98 As(r)=2.97	Mu=-0.93 As =3.98 As(r)=2.97	Mu=-2.03 As =3.98 As(r)=2.97	Mu=-0.82 As =3.98 As(r)=2.97	Mu=-0.35 As =3.98 As(r)=2.97	Mu=-0.34 As =3.98 As(r)=2.97
Mu=0.56 As =3.98 As(r)=2.97		Mu=0.41 As =3.98 As(r)=2.97	Mu=0.16 As =3.98 As(r)=2.97		Mu=0.00 As =3.98 As(r)=2.97
Vu=0.94		Vu=-1.34	Vu=0.50		Vu=-1.05

V-210/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-1.19 As =5.97 As(r)=4.46	Mu=-3.26 As =5.97 As(r)=4.46	Mu=-1.42 As =5.97 As(r)=4.46	Mu=-1.42 As =5.97 As(r)=4.46	Mu=-7.08 As =5.97 As(r)=4.46
Mu=0.33 As =5.97 As(r)=4.46		Mu=0.65 As =5.97 As(r)=4.46	Mu=6.06 As =5.97 As(r)=4.46		Mu=4.11 As =5.97 As(r)=4.46
Vu=3.06		Vu=1.57	Vu=12.62		Vu=-12.66

B=0.30 H=0.50 L=8.32			B=0.30 H=0.50 L=8.58		
Mu=-2.63 As =5.97 As(r)=4.46	Mu=-1.01 As =5.97 As(r)=4.46	Mu=-5.04 As =5.97 As(r)=4.46	Mu=-4.10 As =5.97 As(r)=4.46	Mu=-0.90 As =5.97 As(r)=4.46	Mu=-4.51 As =5.97 As(r)=4.46
Mu=1.01 As =5.97 As(r)=4.46		Mu=1.68 As =5.97 As(r)=4.46	Mu=1.37 As =5.97 As(r)=4.46		Mu=1.50 As =5.97 As(r)=4.46
Vu=-1.84		Vu=2.11	Vu=-2.17		Vu=1.95

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-1.60 As =5.97 As(r)=4.46	Mu=-1.60 As =5.97 As(r)=4.46	Mu=-7.98 As =5.97 As(r)=4.90	Mu=-2.81 As =5.97 As(r)=4.46	Mu=-1.19 As =5.97 As(r)=4.46	Mu=-0.17 As =5.97 As(r)=4.46
Mu=5.28 As =5.97 As(r)=4.46		Mu=4.83 As =5.97 As(r)=4.46	Mu=0.56 As =5.97 As(r)=4.46		Mu=0.12 As =5.97 As(r)=4.46
Vu=12.63		Vu=-12.68	Vu=-1.51		Vu=-3.08

Memorias de diseño de vigas

V-211/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-2.05 As =5.97 As(r)=4.46	Mu=-4.47 As =5.97 As(r)=4.46	Mu=-2.60 As =5.97 As(r)=4.46	Mu=-1.33 As =5.97 As(r)=4.46	Mu=-6.67 As =5.97 As(r)=4.46
Mu=0.10 As =5.97 As(r)=4.46		Mu=0.89 As =5.97 As(r)=4.46	Mu=5.84 As =5.97 As(r)=4.46		Mu=5.19 As =5.97 As(r)=4.46
Vu=3.24		Vu=2.68	Vu=12.98		Vu=-14.97

B=0.30 H=0.50 L=8.32			B=0.30 H=0.50 L=8.58		
Mu=-1.87 As =5.97 As(r)=4.46	Mu=-0.98 As =5.97 As(r)=4.46	Mu=-4.88 As =5.97 As(r)=4.46	Mu=-3.49 As =5.97 As(r)=4.46	Mu=-0.70 As =5.97 As(r)=4.46	Mu=-0.98 As =5.97 As(r)=4.46
Mu=1.03 As =5.97 As(r)=4.46		Mu=1.63 As =5.97 As(r)=4.46	Mu=1.16 As =5.97 As(r)=4.46		Mu=0.70 As =5.97 As(r)=4.46
Vu=-1.32		Vu=1.71	Vu=-1.75		Vu=0.67

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-1.96 As =5.97 As(r)=4.46	Mu=-1.96 As =5.97 As(r)=4.46	Mu=-9.80 As =5.97 As(r)=6.09	Mu=-4.47 As =5.97 As(r)=4.46	Mu=-2.04 As =5.97 As(r)=4.46	Mu=-0.01 As =5.97 As(r)=4.46
Mu=6.72 As =5.97 As(r)=4.46		Mu=4.65 As =5.97 As(r)=4.46	Mu=0.89 As =5.97 As(r)=4.46		Mu=0.07 As =5.97 As(r)=4.46
Vu=14.96		Vu=-13.05	Vu=-2.67		Vu=-3.25

V-212/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.61 As =8.52 As(r)=4.46	Mu=-10.12 As =8.52 As(r)=6.30	Mu=-3.95 As =8.52 As(r)=4.46	Mu=-1.83 As =8.52 As(r)=4.46	Mu=-0.03 As =8.52 As(r)=4.46
Mu=8.54 As =5.97 As(r)=5.26		Mu=4.66 As =5.97 As(r)=4.46	Mu=0.79 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.48		Vu=-13.53	Vu=-2.63		Vu=-2.64

V-213/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.02 As =5.97 As(r)=4.46	Mu=-1.83 As =5.97 As(r)=4.46	Mu=-3.95 As =5.97 As(r)=4.46	Mu=-2.90 As =5.97 As(r)=4.46	Mu=-1.37 As =5.97 As(r)=4.46	Mu=-6.83 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.79 As =5.97 As(r)=4.46	Mu=5.88 As =5.97 As(r)=4.46		Mu=2.28 As =5.97 As(r)=4.46
Vu=2.65		Vu=2.63	Vu=13.54		Vu=-16.50

V-214/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.57 As =8.52 As(r)=4.46	Mu=-10.01 As =8.52 As(r)=6.22	Mu=-3.86 As =8.52 As(r)=4.46	Mu=-1.78 As =8.52 As(r)=4.46	Mu=-0.02 As =8.52 As(r)=4.46
Mu=8.53 As =5.97 As(r)=5.26		Mu=4.70 As =5.97 As(r)=4.46	Mu=0.77 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.44		Vu=-13.61	Vu=-2.64		Vu=-2.50

Memorias de diseño de vigas

V-215/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.02 As =5.97 As(r)=4.46	Mu=-1.78 As =5.97 As(r)=4.46	Mu=-3.86 As =5.97 As(r)=4.46	Mu=-2.75 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.88 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.77 As =5.97 As(r)=4.46	Mu=5.92 As =5.97 As(r)=4.46		Mu=2.29 As =5.97 As(r)=4.46
Vu=2.51		Vu=2.64	Vu=13.60		Vu=-16.44

V-216/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.67 As =8.52 As(r)=4.46	Mu=-10.40 As =8.52 As(r)=6.48	Mu=-4.43 As =8.52 As(r)=4.46	Mu=-2.04 As =8.52 As(r)=4.46	Mu=-0.00 As =8.52 As(r)=4.46
Mu=8.74 As =5.97 As(r)=5.39		Mu=4.52 As =5.97 As(r)=4.46	Mu=0.89 As =5.97 As(r)=4.46		Mu=0.03 As =5.97 As(r)=4.46
Vu=16.76		Vu=-13.47	Vu=-3.09		Vu=-2.99

V-217/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-2.04 As =5.97 As(r)=4.46	Mu=-4.43 As =5.97 As(r)=4.46	Mu=-3.20 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.80 As =5.97 As(r)=4.46
Mu=0.03 As =5.97 As(r)=4.46		Mu=0.89 As =5.97 As(r)=4.46	Mu=5.72 As =5.97 As(r)=4.46		Mu=2.27 As =5.97 As(r)=4.46
Vu=3.00		Vu=3.09	Vu=13.46		Vu=-16.76

V-218/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.58 As =8.52 As(r)=4.46	Mu=-10.04 As =8.52 As(r)=6.24	Mu=-3.88 As =8.52 As(r)=4.46	Mu=-1.79 As =8.52 As(r)=4.46	Mu=-0.02 As =8.52 As(r)=4.46
Mu=8.56 As =5.97 As(r)=5.28		Mu=4.70 As =5.97 As(r)=4.46	Mu=0.78 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.48		Vu=-13.62	Vu=-2.68		Vu=-2.52

V-219/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.01 As =5.97 As(r)=4.46	Mu=-1.79 As =5.97 As(r)=4.46	Mu=-3.88 As =5.97 As(r)=4.46	Mu=-2.78 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.89 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.78 As =5.97 As(r)=4.46	Mu=5.93 As =5.97 As(r)=4.46		Mu=2.30 As =5.97 As(r)=4.46
Vu=2.51		Vu=2.68	Vu=13.62		Vu=-16.49

Memorias de diseño de vigas

V-220/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.58 As =8.52 As(r)=4.46	Mu=-10.05 As =8.52 As(r)=6.25	Mu=-3.88 As =8.52 As(r)=4.46	Mu=-1.79 As =8.52 As(r)=4.46	Mu=-0.02 As =8.52 As(r)=4.46
Mu=8.57 As =5.97 As(r)=5.28		Mu=4.71 As =5.97 As(r)=4.46	Mu=0.78 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.50		Vu=-13.64	Vu=-2.68		Vu=-2.52

V-221/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.01 As =5.97 As(r)=4.46	Mu=-1.79 As =5.97 As(r)=4.46	Mu=-3.88 As =5.97 As(r)=4.46	Mu=-2.78 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.89 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.78 As =5.97 As(r)=4.46	Mu=5.93 As =5.97 As(r)=4.46		Mu=2.30 As =5.97 As(r)=4.46
Vu=2.51		Vu=2.68	Vu=13.63		Vu=-16.50

V-222/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.67 As =8.52 As(r)=4.46	Mu=-10.42 As =8.52 As(r)=6.50	Mu=-4.43 As =8.52 As(r)=4.46	Mu=-2.04 As =8.52 As(r)=4.46	Mu=-0.00 As =8.52 As(r)=4.46
Mu=8.76 As =5.97 As(r)=5.41		Mu=4.54 As =5.97 As(r)=4.46	Mu=0.89 As =5.97 As(r)=4.46		Mu=0.03 As =5.97 As(r)=4.46
Vu=16.80		Vu=-13.50	Vu=-3.09		Vu=-3.00

V-223/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-2.04 As =5.97 As(r)=4.46	Mu=-4.43 As =5.97 As(r)=4.46	Mu=-3.20 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.82 As =5.97 As(r)=4.46
Mu=0.03 As =5.97 As(r)=4.46		Mu=0.89 As =5.97 As(r)=4.46	Mu=5.74 As =5.97 As(r)=4.46		Mu=2.27 As =5.97 As(r)=4.46
Vu=3.01		Vu=3.09	Vu=13.50		Vu=-16.80

V-224/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.57 As =8.52 As(r)=4.46	Mu=-10.05 As =8.52 As(r)=6.25	Mu=-3.86 As =8.52 As(r)=4.46	Mu=-1.78 As =8.52 As(r)=4.46	Mu=-0.02 As =8.52 As(r)=4.46
Mu=8.57 As =5.97 As(r)=5.28		Mu=4.73 As =5.97 As(r)=4.46	Mu=0.77 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.51		Vu=-13.67	Vu=-2.65		Vu=-2.51

Memorias de diseño de vigas

V-225/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.02 As =5.97 As(r)=4.46	Mu=-1.78 As =5.97 As(r)=4.46	Mu=-3.86 As =5.97 As(r)=4.46	Mu=-2.76 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.91 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.77 As =5.97 As(r)=4.46	Mu=5.96 As =5.97 As(r)=4.46		Mu=2.30 As =5.97 As(r)=4.46
Vu=2.51		Vu=2.65	Vu=13.67		Vu=-16.52

V-226/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.59 As =8.52 As(r)=4.46	Mu=-10.13 As =8.52 As(r)=6.30	Mu=-3.97 As =8.52 As(r)=4.46	Mu=-1.83 As =8.52 As(r)=4.46	Mu=-0.00 As =8.52 As(r)=4.46
Mu=8.62 As =5.97 As(r)=5.31		Mu=4.70 As =5.97 As(r)=4.46	Mu=0.79 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.58		Vu=-13.65	Vu=-2.75		Vu=-2.60

V-227/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-1.83 As =5.97 As(r)=4.46	Mu=-3.97 As =5.97 As(r)=4.46	Mu=-2.85 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.90 As =5.97 As(r)=4.46
Mu=0.01 As =5.97 As(r)=4.46		Mu=0.79 As =5.97 As(r)=4.46	Mu=5.92 As =5.97 As(r)=4.46		Mu=2.30 As =5.97 As(r)=4.46
Vu=2.60		Vu=2.75	Vu=13.65		Vu=-16.59

V-228/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.59 As =8.52 As(r)=4.46	Mu=-10.14 As =8.52 As(r)=6.31	Mu=-3.97 As =8.52 As(r)=4.46	Mu=-1.83 As =8.52 As(r)=4.46	Mu=-0.00 As =8.52 As(r)=4.46
Mu=8.63 As =5.97 As(r)=5.32		Mu=4.71 As =5.97 As(r)=4.46	Mu=0.79 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.60		Vu=-13.67	Vu=-2.75		Vu=-2.62

V-229/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-1.83 As =5.97 As(r)=4.46	Mu=-3.97 As =5.97 As(r)=4.46	Mu=-2.85 As =5.97 As(r)=4.46	Mu=-1.38 As =5.97 As(r)=4.46	Mu=-6.91 As =5.97 As(r)=4.46
Mu=0.01 As =5.97 As(r)=4.46		Mu=0.79 As =5.97 As(r)=4.46	Mu=5.93 As =5.97 As(r)=4.46		Mu=2.30 As =5.97 As(r)=4.46
Vu=2.61		Vu=2.75	Vu=13.67		Vu=-16.60

Memorias de diseño de vigas

V-230/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.57 As =8.52 As(r)=4.46	Mu=-10.07 As =8.52 As(r)=6.26	Mu=-3.86 As =8.52 As(r)=4.46	Mu=-1.78 As =8.52 As(r)=4.46	Mu=-0.02 As =8.52 As(r)=4.46
Mu=8.59 As =5.97 As(r)=5.30		Mu=4.74 As =5.97 As(r)=4.46	Mu=0.77 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.55		Vu=-13.71	Vu=-2.65		Vu=-2.53

V-231/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.02 As =5.97 As(r)=4.46	Mu=-1.78 As =5.97 As(r)=4.46	Mu=-3.86 As =5.97 As(r)=4.46	Mu=-2.76 As =5.97 As(r)=4.46	Mu=-1.39 As =5.97 As(r)=4.46	Mu=-6.93 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.77 As =5.97 As(r)=4.46	Mu=5.98 As =5.97 As(r)=4.46		Mu=2.31 As =5.97 As(r)=4.46
Vu=2.52		Vu=2.65	Vu=13.71		Vu=-16.56

V-232/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.67 As =8.52 As(r)=4.46	Mu=-10.46 As =8.52 As(r)=6.52	Mu=-4.43 As =8.52 As(r)=4.46	Mu=-2.04 As =8.52 As(r)=4.46	Mu=-0.00 As =8.52 As(r)=4.46
Mu=8.80 As =5.97 As(r)=5.43		Mu=4.57 As =5.97 As(r)=4.46	Mu=0.89 As =5.97 As(r)=4.46		Mu=0.03 As =5.97 As(r)=4.46
Vu=16.87		Vu=-13.58	Vu=-3.09		Vu=-2.99

V-233/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-2.04 As =5.97 As(r)=4.46	Mu=-4.43 As =5.97 As(r)=4.46	Mu=-3.20 As =5.97 As(r)=4.46	Mu=-1.39 As =5.97 As(r)=4.46	Mu=-6.85 As =5.97 As(r)=4.46
Mu=0.03 As =5.97 As(r)=4.46		Mu=0.89 As =5.97 As(r)=4.46	Mu=5.77 As =5.97 As(r)=4.46		Mu=2.28 As =5.97 As(r)=4.46
Vu=3.00		Vu=3.09	Vu=13.57		Vu=-16.87

V-234/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.58 As =8.52 As(r)=4.46	Mu=-10.10 As =8.52 As(r)=6.28	Mu=-3.88 As =8.52 As(r)=4.46	Mu=-1.79 As =8.52 As(r)=4.46	Mu=-0.02 As =8.52 As(r)=4.46
Mu=8.62 As =5.97 As(r)=5.31		Mu=4.75 As =5.97 As(r)=4.46	Mu=0.78 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.60		Vu=-13.74	Vu=-2.69		Vu=-2.51

Memorias de diseño de vigas

V-235/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.01 As =5.97 As(r)=4.46	Mu=-1.79 As =5.97 As(r)=4.46	Mu=-3.88 As =5.97 As(r)=4.46	Mu=-2.78 As =5.97 As(r)=4.46	Mu=-1.39 As =5.97 As(r)=4.46	Mu=-6.94 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.78 As =5.97 As(r)=4.46	Mu=5.98 As =5.97 As(r)=4.46		Mu=2.31 As =5.97 As(r)=4.46
Vu=2.50		Vu=2.69	Vu=13.73		Vu=-16.60

V-236/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.58 As =8.52 As(r)=4.46	Mu=-10.10 As =8.52 As(r)=6.28	Mu=-3.88 As =8.52 As(r)=4.46	Mu=-1.79 As =8.52 As(r)=4.46	Mu=-0.02 As =8.52 As(r)=4.46
Mu=8.62 As =5.97 As(r)=5.31		Mu=4.75 As =5.97 As(r)=4.46	Mu=0.78 As =5.97 As(r)=4.46		Mu=0.00 As =5.97 As(r)=4.46
Vu=16.60		Vu=-13.75	Vu=-2.68		Vu=-2.51

V-237/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.02 As =5.97 As(r)=4.46	Mu=-1.79 As =5.97 As(r)=4.46	Mu=-3.88 As =5.97 As(r)=4.46	Mu=-2.77 As =5.97 As(r)=4.46	Mu=-1.39 As =5.97 As(r)=4.46	Mu=-6.95 As =5.97 As(r)=4.46
Mu=0.00 As =5.97 As(r)=4.46		Mu=0.78 As =5.97 As(r)=4.46	Mu=5.99 As =5.97 As(r)=4.46		Mu=2.32 As =5.97 As(r)=4.46
Vu=2.50		Vu=2.69	Vu=13.75		Vu=-16.61

V-238/CUBIERTA

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-0.00 As =8.52 As(r)=4.46	Mu=-0.69 As =8.52 As(r)=4.46	Mu=-10.52 As =8.52 As(r)=6.56	Mu=-4.41 As =8.52 As(r)=4.46	Mu=-2.04 As =8.52 As(r)=4.46	Mu=-0.01 As =8.52 As(r)=4.46
Mu=8.79 As =5.97 As(r)=5.42		Mu=4.58 As =5.97 As(r)=4.46	Mu=0.88 As =5.97 As(r)=4.46		Mu=0.02 As =5.97 As(r)=4.46
Vu=16.90		Vu=-13.59	Vu=-2.98		Vu=-3.05

V-239/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-2.04 As =5.97 As(r)=4.46	Mu=-4.41 As =5.97 As(r)=4.46	Mu=-3.24 As =5.97 As(r)=4.46	Mu=-1.39 As =5.97 As(r)=4.46	Mu=-6.85 As =5.97 As(r)=4.46
Mu=0.02 As =5.97 As(r)=4.46		Mu=0.88 As =5.97 As(r)=4.46	Mu=5.79 As =5.97 As(r)=4.46		Mu=2.28 As =5.97 As(r)=4.46
Vu=3.04		Vu=2.98	Vu=13.59		Vu=-16.91

Memorias de diseño de vigas

V-240/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-1.98 As =5.97 As(r)=4.46	Mu=-4.34 As =5.97 As(r)=4.46	Mu=-2.51 As =5.97 As(r)=4.46	Mu=-1.36 As =5.97 As(r)=4.46	Mu=-6.78 As =5.97 As(r)=4.46
Mu=0.09 As =5.97 As(r)=4.46		Mu=0.87 As =5.97 As(r)=4.46	Mu=5.98 As =5.97 As(r)=4.46		Mu=5.24 As =5.97 As(r)=4.46
Vu=3.11		Vu=2.60	Vu=13.21		Vu=-15.10

B=0.30 H=0.50 L=8.32			B=0.30 H=0.50 L=8.58		
Mu=-1.88 As =5.97 As(r)=4.46	Mu=-0.98 As =5.97 As(r)=4.46	Mu=-4.90 As =5.97 As(r)=4.46	Mu=-3.48 As =5.97 As(r)=4.46	Mu=-0.77 As =5.97 As(r)=4.46	Mu=-3.87 As =5.97 As(r)=4.46
Mu=1.05 As =5.97 As(r)=4.46		Mu=1.63 As =5.97 As(r)=4.46	Mu=1.16 As =5.97 As(r)=4.46		Mu=1.29 As =5.97 As(r)=4.46
Vu=-1.32		Vu=1.70	Vu=-1.75		Vu=1.41

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-1.96 As =5.97 As(r)=4.46	Mu=-1.96 As =5.97 As(r)=4.46	Mu=-9.82 As =5.97 As(r)=6.10	Mu=-4.33 As =5.97 As(r)=4.46	Mu=-1.98 As =5.97 As(r)=4.46	Mu=-0.02 As =5.97 As(r)=4.46
Mu=6.77 As =5.97 As(r)=4.46		Mu=4.77 As =5.97 As(r)=4.46	Mu=0.87 As =5.97 As(r)=4.46		Mu=0.05 As =5.97 As(r)=4.46
Vu=15.09		Vu=-13.28	Vu=-2.61		Vu=-3.11

V-241/CUBIERTA

B=0.30 H=0.50 L=1.25			B=0.30 H=0.50 L=1.95		
Mu=-0.00 As =5.97 As(r)=4.46	Mu=-1.15 As =5.97 As(r)=4.46	Mu=-3.21 As =5.97 As(r)=4.46	Mu=-1.43 As =5.97 As(r)=4.46	Mu=-1.43 As =5.97 As(r)=4.46	Mu=-7.17 As =5.97 As(r)=4.46
Mu=0.33 As =5.97 As(r)=4.46		Mu=0.64 As =5.97 As(r)=4.46	Mu=6.17 As =5.97 As(r)=4.46		Mu=4.18 As =5.97 As(r)=4.46
Vu=3.03		Vu=1.49	Vu=12.80		Vu=-12.82

B=0.30 H=0.50 L=8.32			B=0.30 H=0.50 L=8.58		
Mu=-2.62 As =5.97 As(r)=4.46	Mu=-1.01 As =5.97 As(r)=4.46	Mu=-5.07 As =5.97 As(r)=4.46	Mu=-4.10 As =5.97 As(r)=4.46	Mu=-0.91 As =5.97 As(r)=4.46	Mu=-4.54 As =5.97 As(r)=4.46
Mu=1.01 As =5.97 As(r)=4.46		Mu=1.69 As =5.97 As(r)=4.46	Mu=1.37 As =5.97 As(r)=4.46		Mu=1.51 As =5.97 As(r)=4.46
Vu=-1.83		Vu=2.10	Vu=-2.17		Vu=1.94

B=0.30 H=0.50 L=1.95			B=0.30 H=0.50 L=1.25		
Mu=-1.61 As =5.97 As(r)=4.46	Mu=-1.61 As =5.97 As(r)=4.46	Mu=-8.06 As =5.97 As(r)=4.95	Mu=-2.76 As =5.97 As(r)=4.46	Mu=-1.17 As =5.97 As(r)=4.46	Mu=-0.17 As =5.97 As(r)=4.46
Mu=5.37 As =5.97 As(r)=4.46		Mu=4.93 As =5.97 As(r)=4.46	Mu=0.55 As =5.97 As(r)=4.46		Mu=0.12 As =5.97 As(r)=4.46
Vu=12.82		Vu=-12.90	Vu=-1.54		Vu=-3.04

Memorias de diseño de vigas

V-242/CUBIERTA

B=0.20 H=0.50 L=1.35			B=0.20 H=0.50 L=2.15		
Mu=-0.16 As =5.97 As(r)=2.97	Mu=-0.35 As =5.97 As(r)=2.97	Mu=-1.38 As =5.97 As(r)=2.97	Mu=-0.91 As =5.97 As(r)=2.97	Mu=-0.86 As =5.97 As(r)=2.97	Mu=-2.01 As =5.97 As(r)=2.97
Mu=0.12 As =5.97 As(r)=2.97		Mu=0.28 As =5.97 As(r)=2.97	Mu=0.82 As =5.97 As(r)=2.97		Mu=0.67 As =5.97 As(r)=2.97
Vu=1.07		Vu=-0.51	Vu=1.38		Vu=-1.06

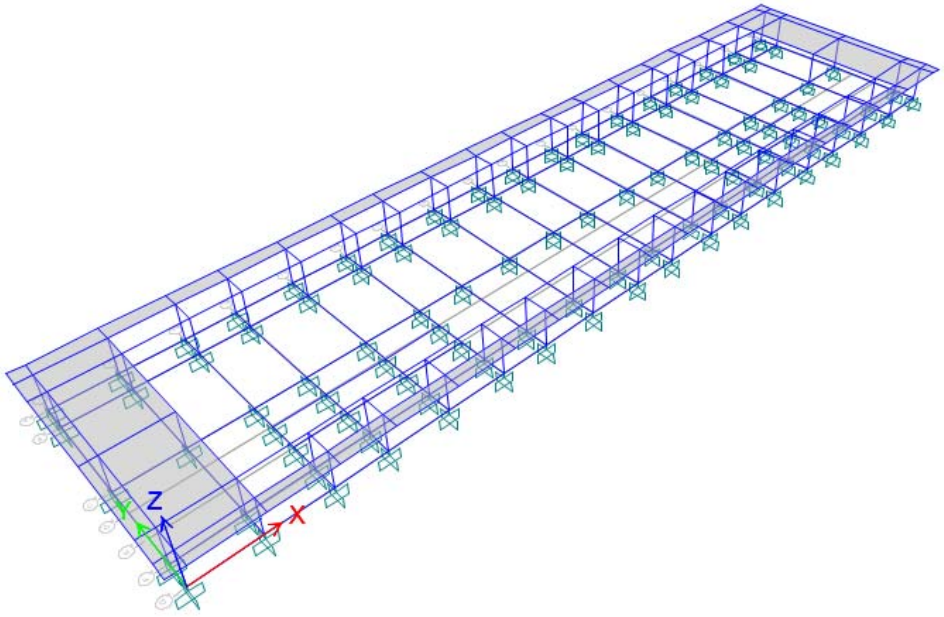
B=0.20 H=0.50 L=8.42			B=0.20 H=0.50 L=8.63		
Mu=-2.10 As =5.97 As(r)=2.97	Mu=-0.72 As =5.97 As(r)=2.97	Mu=-3.58 As =5.97 As(r)=2.97	Mu=-3.55 As =5.97 As(r)=2.97	Mu=-0.71 As =5.97 As(r)=2.97	Mu=-2.60 As =5.97 As(r)=2.97
Mu=0.72 As =5.97 As(r)=2.97		Mu=1.19 As =5.97 As(r)=2.97	Mu=1.18 As =5.97 As(r)=2.97		Mu=0.87 As =5.97 As(r)=2.97
Vu=-1.33		Vu=1.63	Vu=-1.68		Vu=1.56

B=0.20 H=0.50 L=2.10			B=0.20 H=0.50 L=1.35		
Mu=-1.66 As =5.97 As(r)=2.97	Mu=-0.93 As =5.97 As(r)=2.97	Mu=-2.08 As =5.97 As(r)=2.97	Mu=-0.84 As =5.97 As(r)=2.97	Mu=-0.35 As =5.97 As(r)=2.97	Mu=-0.34 As =5.97 As(r)=2.97
Mu=0.55 As =5.97 As(r)=2.97		Mu=0.69 As =5.97 As(r)=2.97	Mu=0.17 As =5.97 As(r)=2.97		Mu=0.00 As =5.97 As(r)=2.97
Vu=0.98		Vu=-1.35	Vu=0.49		Vu=-1.05

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B=0.40 H=0.50 L=5.25		
Mu=-1.92 As =7.96 As(r)=5.94	Mu=-0.38 As =14.85 As(r)=5.94	Mu=-1.92 As =7.96 As(r)=5.94
Mu=0.64 As =7.96 As(r)=5.94		Mu=0.64 As =7.96 As(r)=5.94
Vu=-1.69		Vu=1.69

ETABS® version 18



LISTADOS DEL MODELO

Model File: PYK 441 MODELO DE DISEÑO ETB18, Revision 0
22/02/2022

1 Structure Data

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

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	CUBIERTA	4	No	None	No	Red

1.2 Grid Data

Table 1.2 - Grid Definitions - General

Tower	Name	Type	Ux m	Uy m	Rz deg	Story Range	Bubble Size mm	Color
T1	G1	Cartesian	0	0	0	Default	1000	Gray6

Table 1.3 - Grid Definitions - Grid Lines

Name	Grid Line Type	Ordinate m	Bubble Location	Visible
G1	X (Cartesian)	0	End	Yes
G1	X (Cartesian)	6	End	Yes
G1	X (Cartesian)	12	End	Yes
G1	X (Cartesian)	17	End	Yes
G1	X (Cartesian)	23	End	Yes
G1	X (Cartesian)	29	End	Yes
G1	X (Cartesian)	34	End	Yes
G1	X (Cartesian)	40	End	Yes
G1	X (Cartesian)	46	End	Yes
G1	X (Cartesian)	51	End	Yes
G1	X (Cartesian)	57	End	Yes
G1	X (Cartesian)	62	End	Yes
G1	X (Cartesian)	68	End	Yes
G1	X (Cartesian)	74	End	Yes
G1	X (Cartesian)	79	End	Yes
G1	X (Cartesian)	85	End	Yes
G1	X (Cartesian)	91	End	Yes
G1	X (Cartesian)	96.85	End	Yes
G1	Y (Cartesian)	0	Start	Yes
G1	Y (Cartesian)	2.55	Start	Yes
G1	Y (Cartesian)	5.56	Start	Yes
G1	Y (Cartesian)	8.59	Start	Yes
G1	Y (Cartesian)	11.37	Start	Yes
G1	Y (Cartesian)	20.45	Start	Yes
G1	Y (Cartesian)	23	Start	Yes

1.3 Point Coordinates

Table 1.4 - Point Bays

Label	Is Auto Point	X m	Y m	DZBelow m
1	No	0	20.45	0
2	No	0	23	0
3	No	6	20.45	0
4	No	6	23	0
5	No	12	20.45	0

Label	Is Auto Point	X m	Y m	DZBelow m
6	No	12	23	0
7	No	17	23	0
8	No	17	20.45	0
9	No	23	20.45	0
10	No	23	23	0
11	No	29	20.45	0
12	No	29	23	0
13	No	34	23	0
14	No	34	20.45	0
15	No	40	20.45	0
16	No	40	23	0
17	No	46	20.45	0
18	No	46	23	0
19	No	51	20.45	0
20	No	51	23	0
21	No	57	20.45	0
22	No	57	23	0
23	No	62	20.45	0
24	No	62	23	0
25	No	68	20.45	0
26	No	68	23	0
27	No	74	20.45	0
28	No	74	23	0
29	No	79	23	0
30	No	79	20.45	0
31	No	85	20.45	0
32	No	85	23	0
33	No	91	20.45	0
34	No	91	23	0
35	No	96.85	23	0
36	No	96.85	20.45	0
37	No	0	0	0
38	No	0	2.55	0
39	No	6	0	0
40	No	6	2.55	0
41	No	12	0	0
42	No	12	2.55	0
43	No	17	0	0
44	No	17	2.55	0
45	No	23	0	0
46	No	23	2.55	0
47	No	29	0	0
48	No	29	2.55	0
49	No	34	0	0
50	No	34	2.55	0
51	No	40	0	0
52	No	40	2.55	0
53	No	46	0	0
54	No	46	2.55	0
55	No	51	0	0
56	No	51	2.55	0
57	No	57	0	0
58	No	57	2.55	0
59	No	62	0	0
60	No	62	2.55	0
61	No	68	0	0

Label	Is Auto Point	X m	Y m	DZBelow m
62	No	68	2.55	0
63	No	74	0	0
64	No	74	2.55	0
65	No	79	0	0
66	No	79	2.55	0
67	No	85	0	0
68	No	85	2.55	0
69	No	91	0	0
72	No	96.85	2.55	0
73	No	0	11.37	0
74	No	6	11.37	0
75	No	12	11.37	0
76	No	17	11.37	0
77	No	23	11.37	0
78	No	29	11.37	0
79	No	34	11.37	0
80	No	40	11.37	0
81	No	46	11.37	0
82	No	51	11.4	0
83	No	57	11.37	0
84	No	62	11.37	0
85	No	68	11.37	0
86	No	74	11.37	0
87	No	79	11.37	0
88	No	85	11.37	0
89	No	91	11.37	0
90	No	96.85	11.37	0
91	No	12	8.59	0
92	No	12	5.56	0
93	No	17	5.56	0
94	No	17	8.59	0
95	No	74	8.59	0
96	No	74	5.56	0
97	No	79	5.56	0
98	No	79	8.59	0
99	No	0	-1.65	0
100	No	23	8.59	0
101	No	6	-1.65	0
102	No	23	5.56	0
103	No	68	8.59	0
104	Yes	48.4442	11.5003	0
105	No	68	5.56	0
106	No	85	8.59	0
107	No	85	5.56	0
108	No	12	-1.65	0
109	No	17	-1.65	0
110	Yes	48.4093	11.2567	0
112	No	23	-1.65	0
113	No	29	-1.65	0
116	No	34	-1.65	0
120	No	29	8.59	0
121	No	29	5.56	0
122	No	40	-1.65	0
123	No	46	-1.65	0
124	No	51	-1.65	0
125	No	57	-1.65	0

Label	Is Auto Point	X m	Y m	DZBelow m
126	No	62	-1.65	0
127	No	68	-1.65	0
128	No	74	-1.65	0
129	No	79	-1.65	0
130	No	85	-1.65	0
131	No	91	-1.65	0
133	No	0	24.65	0
134	No	6	24.65	0
135	No	12	24.65	0
136	No	17	24.65	0
137	No	23	24.65	0
138	No	29	24.65	0
139	No	34	24.65	0
140	No	40	24.65	0
141	No	46	24.65	0
142	No	51	24.65	0
143	No	57	24.65	0
144	No	62	24.65	0
145	No	68	24.65	0
146	No	74	24.65	0
147	No	79	24.65	0
148	No	85	24.65	0
149	No	91	24.65	0
150	No	96.85	24.65	0
152	No	-1.5	23	0
153	No	-1.5	20.45	0
154	No	-1.5	0	0
155	No	-1.5	2.55	0
156	No	-1.5	11.37	0
157	No	-1.5	-1.65	0
158	No	-1.5	24.65	0
159	No	98.35	23	0
160	No	98.35	20.45	0
163	No	98.35	11.37	0
165	No	98.35	24.65	0
166	No	-1.6	23	0
167	No	98.3	0	0
168	No	98.3	2.55	0
169	No	6	11.97	0
170	No	96.85	0	0
313	No	91	2.55	0
332	No	96.85	-1.65	0
340	No	98.3	-1.65	0

1.4 Line Connectivity

Table 1.5 - Column Bays

Label	PointBayI	PointBayJ	IEndStory
C1	1	1	Below
C2	2	2	Below
C3	3	3	Below
C4	4	4	Below
C5	5	5	Below
C6	6	6	Below
C7	7	7	Below
C8	8	8	Below

Label	PointBayI	PointBayJ	IEndStory
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
C17	17	17	Below
C18	18	18	Below
C19	19	19	Below
C20	20	20	Below
C21	21	21	Below
C22	22	22	Below
C23	23	23	Below
C24	24	24	Below
C25	25	25	Below
C26	26	26	Below
C27	27	27	Below
C28	28	28	Below
C29	29	29	Below
C30	30	30	Below
C31	31	31	Below
C32	32	32	Below
C33	33	33	Below
C34	34	34	Below
C35	35	35	Below
C36	36	36	Below
C37	37	37	Below
C38	38	38	Below
C39	39	39	Below
C40	40	40	Below
C41	41	41	Below
C42	42	42	Below
C43	43	43	Below
C44	44	44	Below
C45	45	45	Below
C46	46	46	Below
C47	47	47	Below
C48	48	48	Below
C49	49	49	Below
C50	50	50	Below
C51	51	51	Below
C52	52	52	Below
C53	53	53	Below
C54	54	54	Below
C55	55	55	Below
C56	56	56	Below
C57	57	57	Below
C58	58	58	Below
C59	59	59	Below
C60	60	60	Below
C61	61	61	Below
C62	62	62	Below
C63	63	63	Below
C64	64	64	Below
C65	65	65	Below

Label	PointBayI	PointBayJ	IEndStory
C66	66	66	Below
C67	67	67	Below
C68	68	68	Below
C69	69	69	Below
C72	72	72	Below
C73	73	73	Below
C74	74	74	Below
C89	89	89	Below
C90	90	90	Below
C240	313	313	Below
C252	170	170	Below

Table 1.6 - Beam Bays

Label	PointBayI	PointBayJ
B1	2	4
B2	4	6
B3	6	7
B4	7	10
B5	10	12
B6	12	13
B7	13	16
B8	16	18
B9	18	20
B10	20	22
B11	22	24
B12	24	26
B13	26	28
B14	28	29
B15	29	32
B16	32	34
B17	34	35
B18	1	3
B19	3	5
B20	5	8
B21	8	9
B22	9	11
B23	11	14
B24	14	15
B25	15	17
B26	17	19
B27	19	21
B28	21	23
B29	23	25
B30	25	27
B31	27	30
B32	30	31
B33	31	33
B34	33	36
B35	38	40
B36	40	42
B37	42	44
B38	44	46
B39	46	48
B40	48	50
B41	50	52
B42	52	54

Label	PointBayI	PointBayJ
B43	54	56
B44	56	58
B45	58	60
B46	60	62
B47	62	64
B48	64	66
B49	66	68
B52	37	39
B53	39	41
B54	41	43
B55	43	45
B56	45	47
B57	47	49
B58	49	51
B59	51	53
B60	53	55
B61	55	57
B62	57	59
B63	59	61
B64	61	63
B65	63	65
B66	65	67
B67	67	69
B69	73	74
B70	74	75
B71	75	76
B72	76	77
B73	77	78
B74	78	79
B75	79	80
B76	80	81
B77	81	82
B78	82	83
B79	83	84
B80	84	85
B81	85	86
B82	86	87
B83	87	88
B84	88	89
B85	89	90
B86	37	38
B87	38	73
B88	73	1
B89	1	2
B90	39	40
B91	40	74
B92	74	3
B93	3	4
B94	41	42
B95	101	108
B96	123	124
B97	75	5
B98	5	6
B99	43	44
B100	44	93
B101	94	76
B102	76	8

Label	PointBayI	PointBayJ
B103	8	7
B104	45	46
B106	77	9
B107	9	10
B108	47	48
B109	48	78
B110	78	11
B111	11	12
B112	49	50
B113	50	79
B114	79	14
B115	14	13
B116	51	52
B117	52	80
B118	80	15
B119	15	16
B120	53	54
B121	54	81
B122	81	17
B123	17	18
B124	55	56
B125	56	82
B126	82	19
B127	19	20
B128	57	58
B129	58	83
B130	83	21
B131	21	22
B132	59	60
B133	60	84
B134	84	23
B135	23	24
B136	61	62
B137	62	85
B138	85	25
B139	25	26
B140	63	64
B141	64	96
B142	95	86
B143	86	27
B144	27	28
B145	65	66
B146	66	97
B147	98	87
B148	87	30
B149	30	29
B150	67	68
B151	68	88
B152	88	31
B153	31	32
B156	89	33
B157	33	34
B159	72	90
B160	90	36
B161	36	35
B162	166	2
B163	153	1

Label	PointBayI	PointBayJ
B164	94	100
B165	156	73
B166	155	38
B167	93	102
B168	154	37
B169	42	75
B170	35	159
B171	95	98
B172	36	160
B173	96	97
B174	97	107
B175	90	163
B179	46	102
B180	100	77
B198	99	37
B199	101	39
B200	108	41
B201	109	43
B202	112	45
B203	113	47
B204	116	49
B206	122	51
B207	123	53
B208	124	55
B209	125	57
B210	126	59
B211	127	61
B212	128	63
B213	129	65
B214	130	67
B215	131	69
B217	35	150
B218	34	149
B219	32	148
B220	29	147
B221	28	146
B223	26	145
B224	24	144
B225	22	143
B226	20	142
B227	18	141
B228	16	140
B229	13	139
B230	12	138
B231	10	137
B232	7	136
B233	6	135
B234	4	134
B235	2	133
B236	158	133
B237	133	134
B238	134	135
B239	135	136
B240	136	137
B241	137	138
B242	138	139
B243	139	140

Label	PointBayI	PointBayJ
B244	140	141
B245	141	142
B246	142	143
B247	143	144
B248	144	145
B249	145	146
B250	146	147
B251	147	148
B252	148	149
B253	149	150
B254	150	165
B255	159	165
B256	160	159
B257	163	160
B263	130	131
B264	129	130
B265	128	129
B266	127	128
B267	126	127
B268	125	126
B269	124	125
B270	122	123
B271	116	122
B272	113	116
B273	112	113
B274	109	112
B275	108	109
B276	99	101
B277	157	99
B278	157	154
B279	154	155
B280	155	156
B281	156	153
B282	153	152
B283	152	158
B477	72	168
B478	168	163
B479	167	168
B480	69	170
B481	170	72
B504	170	167
B509	68	313
B510	313	72
B511	69	313
B512	313	89
B513	332	170
B514	340	167
B515	332	340
B516	131	332
B808	102	100
B810	93	94
B811	96	95
B876	97	98
B877	91	94
B878	92	93
B879	100	120
B880	102	121

Label	PointBayI	PointBayJ
B881	103	95
B882	105	96
B883	98	106

1.5 Area Connectivity

Table 1.7 - Floor Bays

Label	NumPoints	PointNumber	PointBay
F1	7	1	2
F1		2	37
F1		3	39
F1		4	40
F1		5	169
F1		6	3
F1		7	4
F3	14	1	158
F3		2	152
F3		3	153
F3		4	156
F3		5	155
F3		6	154
F3		7	157
F3		8	99
F3		9	37
F3		10	38
F3		11	73
F3		12	1
F3		13	2
F3		14	133
F6	4	1	133
F6		2	2
F6		3	35
F6		4	150
F12	4	1	34
F12		2	69
F12		3	170
F12		4	35
F14	4	1	37
F14		2	99
F14		3	332
F14		4	170
F16	14	1	150
F16		2	165
F16		3	159
F16		4	160
F16		5	163
F16		6	168
F16		7	167
F16		8	340
F16		9	332
F16		10	170
F16		11	72
F16		12	90
F16		13	36
F16		14	35

1.6 Mass

Table 1.8 - Mass Source Definition

Name	Is Default	Include Lateral Mass?	Include Vertical Mass?	Lump Mass?	Source Self Mass?	Source Added Mass?	Source Load Patterns?	Move Mass Centroid?	Load Pattern	Multiplier
MsSrc1	Yes	Yes	Yes	Yes	No	No	Yes	No	Dead	1.05

Table 1.9 - Centers Of Mass And Rigidity

Story	Diaphragm	Mass X kg	Mass Y kg	XCM m	YCM m	Cum Mass X kg	Cum Mass Y kg	XCCM m	YCCM m	XCR m	YCR m
CUBIERTA	PISO 3	1884324.04	1884324.04	48.4442	11.5003	1884324.04	1884324.04	48.4442	11.5003		

Table 1.10 - Mass Summary by Diaphragm

Story	Diaphragm	Mass X kg	Mass Y kg	Mass Moment of Inertia ton-m2	X Mass Center m	Y Mass Center m
CUBIERTA	PISO 3	1884324.04	1884324.04	1640557.2487	48.4442	11.5003

Table 1.11 - Mass Summary by Story

Story	UX kg	UY kg	UZ kg
CUBIERTA	1884324.04	1884324.04	1884324.04
PISO1	495776.76	495776.76	495776.76

Table 1.12 - Mass Summary by Group

Group	Self Mass kg	Self Weight kN	Mass X kg	Mass Y kg	Mass Z kg
All	0	9619.8114	2380100.81	2380100.81	2380100.81

1.7 Groups

Table 1.13 - Group Definitions

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

2 Properties

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

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
A416Gr270	Tendon	Uniaxial	Grade 270	Green	
A572Gr50	Steel	Isotropic	Grade 50	Yellow	
A615Gr60	Rebar	Uniaxial	Grade 60	Blue	
CR21	Concrete	Isotropic	f'c 3000 psi	Gray8Dark	
CR35	Concrete	Isotropic	f'c 5000 psi	Gray8Dark	

2.2 Frame Sections

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

Name	Material	Shape	Color	Area cm2	J cm4	I33 cm4	I22 cm4	As2 cm2	As3 cm2	S33Pos cm3	S33Neg cm3
COL30X40	CR21	Concrete Rectangular	Magenta	1200	194385.1	160000	90000	1000	1000	8000	8000
COL30X60	CR21	Concrete Rectangular	Blue	1800	370785.9	540000	135000	1500	1500	18000	18000
TUBO200x70	A572Gr50	Steel Tube	DarkMagenta	15.8	395.9	772.6	147.9	11.3	4.3	77.3	77.3
TUBO60X120	A572Gr50	Steel Tube	16744576	7	106.5	135.6	46.2	4.6	2.4	22.6	22.6
TUBO70X70	A572Gr50	Steel Tube	8388863	5.4	62.9	42	42	2.8	2.8	12	12
VIGA20x50	CR21	Concrete Rectangular	Red	1000	99805	208333.3	33333.3	833.3	833.3	8333.3	8333.3
VIGA30x50	CR21	Concrete Rectangular	Green	1500	281737.1	312500	112500	1250	1250	12500	12500
VIGA40X50	CR21	Concrete Rectangular	Orange	2000	547416.7	416666.7	266666.7	1666.7	1666.7	16666.7	16666.7

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

S22Pos cm3	S22Neg cm3	Z33 cm3	Z22 cm3	R33 mm	R22 mm	CG Offset 3 mm	CG Offset 2 mm	PNA Offset 3 mm	PNA Offset 2 mm	Area Modifier	As2 Modifier	As3 Modifier
6000	6000	12000	9000	115.5	86.6	0	0	0	0	1	1	1
9000	9000	27000	13500	173.2	86.6	0	0	0	0	1	1	1
42.2	42.2	97.8	46.3	69.8	30.6	0	0	0	0	1	1	1
15.4	15.4	27.6	17.1	43.9	25.6	0	0	0	0	1	1	1
12	12	13.9	13.9	27.8	27.8	0	0	0	0	1	1	1
3333.3	3333.3	12500	5000	144.3	57.7	0	0	0	0	1	1	1
7500	7500	18750	11250	144.3	86.6	0	0	0	0	1	1	1
13333.3	13333.3	25000	20000	144.3	115.5	0	0	0	0	1	1	1

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

J Modifier	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1

2.3 Shell Sections

Table 2.3 - Area Section Property Definitions - Summary

Name	Type	Element Type	Material	Total Thickness mm	Deck Material	Deck Depth mm
Deck1	Deck	Membrane	CR35	162.5	A572Gr50	75
LOSA05	Slab	Membrane	CR21	50		
LOSA05CUB	Slab	Membrane	CR21	50		
Wall1	Wall	Shell-Thin	CR35	250		

3 Assignments

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

3.1 Joint Assignments

Table 3.1 - Joint Assignments - Summary

Story	Label	UniqueName	Diaphragm	Restraints
CUBIERTA	1	442	PISO 3	
CUBIERTA	2	441	PISO 3	
CUBIERTA	3	443	PISO 3	
CUBIERTA	4	444	PISO 3	
CUBIERTA	5	445	PISO 3	
CUBIERTA	6	446	PISO 3	
CUBIERTA	7	447	PISO 3	
CUBIERTA	8	448	PISO 3	
CUBIERTA	9	449	PISO 3	
CUBIERTA	10	450	PISO 3	
CUBIERTA	11	451	PISO 3	
CUBIERTA	12	452	PISO 3	
CUBIERTA	13	453	PISO 3	
CUBIERTA	14	454	PISO 3	
CUBIERTA	15	455	PISO 3	
CUBIERTA	16	456	PISO 3	
CUBIERTA	17	457	PISO 3	
CUBIERTA	18	458	PISO 3	
CUBIERTA	19	459	PISO 3	
CUBIERTA	20	460	PISO 3	
CUBIERTA	21	461	PISO 3	
CUBIERTA	22	462	PISO 3	
CUBIERTA	23	463	PISO 3	
CUBIERTA	24	464	PISO 3	
CUBIERTA	25	465	PISO 3	
CUBIERTA	26	466	PISO 3	
CUBIERTA	27	467	PISO 3	
CUBIERTA	28	468	PISO 3	
CUBIERTA	29	469	PISO 3	
CUBIERTA	30	470	PISO 3	
CUBIERTA	31	471	PISO 3	
CUBIERTA	32	472	PISO 3	
CUBIERTA	33	473	PISO 3	
CUBIERTA	34	474	PISO 3	
CUBIERTA	35	475	PISO 3	
CUBIERTA	36	476	PISO 3	
CUBIERTA	37	477	PISO 3	
CUBIERTA	38	478	PISO 3	
CUBIERTA	39	479	PISO 3	
CUBIERTA	40	480	PISO 3	
CUBIERTA	41	481	PISO 3	
CUBIERTA	42	482	PISO 3	
CUBIERTA	43	483	PISO 3	
CUBIERTA	44	484	PISO 3	
CUBIERTA	45	485	PISO 3	
CUBIERTA	46	486	PISO 3	
CUBIERTA	47	487	PISO 3	
CUBIERTA	48	488	PISO 3	
CUBIERTA	49	489	PISO 3	
CUBIERTA	50	490	PISO 3	

Story	Label	UniqueName	Diaphragm	Restraints
CUBIERTA	51	491	PISO 3	
CUBIERTA	52	492	PISO 3	
CUBIERTA	53	493	PISO 3	
CUBIERTA	54	494	PISO 3	
CUBIERTA	55	495	PISO 3	
CUBIERTA	56	496	PISO 3	
CUBIERTA	57	497	PISO 3	
CUBIERTA	58	498	PISO 3	
CUBIERTA	59	499	PISO 3	
CUBIERTA	60	500	PISO 3	
CUBIERTA	61	501	PISO 3	
CUBIERTA	62	502	PISO 3	
CUBIERTA	63	503	PISO 3	
CUBIERTA	64	504	PISO 3	
CUBIERTA	65	505	PISO 3	
CUBIERTA	66	506	PISO 3	
CUBIERTA	67	507	PISO 3	
CUBIERTA	68	508	PISO 3	
CUBIERTA	69	509	PISO 3	
CUBIERTA	72	512	PISO 3	
CUBIERTA	73	513	PISO 3	
CUBIERTA	74	514	PISO 3	
CUBIERTA	89	515	PISO 3	
CUBIERTA	90	516	PISO 3	
CUBIERTA	99	539	PISO 3	
CUBIERTA	101	540	PISO 3	
CUBIERTA	108	541	PISO 3	
CUBIERTA	109	542	PISO 3	
CUBIERTA	112	543	PISO 3	
CUBIERTA	113	544	PISO 3	
CUBIERTA	116	545	PISO 3	
CUBIERTA	122	546	PISO 3	
CUBIERTA	123	547	PISO 3	
CUBIERTA	124	548	PISO 3	
CUBIERTA	125	549	PISO 3	
CUBIERTA	126	550	PISO 3	
CUBIERTA	127	551	PISO 3	
CUBIERTA	128	552	PISO 3	
CUBIERTA	129	553	PISO 3	
CUBIERTA	130	554	PISO 3	
CUBIERTA	131	555	PISO 3	
CUBIERTA	133	561	PISO 3	
CUBIERTA	134	562	PISO 3	
CUBIERTA	135	563	PISO 3	
CUBIERTA	136	564	PISO 3	
CUBIERTA	137	565	PISO 3	
CUBIERTA	138	566	PISO 3	
CUBIERTA	139	567	PISO 3	
CUBIERTA	140	568	PISO 3	
CUBIERTA	141	569	PISO 3	
CUBIERTA	142	570	PISO 3	
CUBIERTA	143	571	PISO 3	
CUBIERTA	144	572	PISO 3	
CUBIERTA	145	573	PISO 3	
CUBIERTA	146	574	PISO 3	
CUBIERTA	147	575	PISO 3	
CUBIERTA	148	576	PISO 3	

Story	Label	UniqueName	Diaphragm	Restraints
CUBIERTA	149	577	PISO 3	
CUBIERTA	150	578	PISO 3	
CUBIERTA	152	581	PISO 3	
CUBIERTA	153	582	PISO 3	
CUBIERTA	154	583	PISO 3	
CUBIERTA	155	584	PISO 3	
CUBIERTA	156	585	PISO 3	
CUBIERTA	157	586	PISO 3	
CUBIERTA	158	587	PISO 3	
CUBIERTA	159	588	PISO 3	
CUBIERTA	160	589	PISO 3	
CUBIERTA	163	592	PISO 3	
CUBIERTA	165	594	PISO 3	
CUBIERTA	166	595	PISO 3	
CUBIERTA	169	630	PISO 3	
CUBIERTA	313	510	PISO 3	
CUBIERTA	167	590	PISO 3	
CUBIERTA	168	591	PISO 3	
CUBIERTA	170	511	PISO 3	
CUBIERTA	332	556	PISO 3	
CUBIERTA	340	593	PISO 3	
CUBIERTA	104	2	PISO 3	
PISO1	1	5	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	2	3	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	3	7	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	4	9	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	5	11	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	6	13	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	7	15	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	8	17	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	9	19	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	10	21	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	11	23	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	12	25	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	13	27	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	14	29	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	15	31	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	16	33	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	17	35	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	18	37	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	19	39	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	20	41	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	21	43	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	22	45	PISO1	UX; UY; UZ; RX; RY;

Story	Label	UniqueName	Diaphragm	Restraints
				RZ
PISO1	23	47	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	24	49	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	25	51	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	26	53	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	27	55	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	28	57	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	29	59	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	30	61	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	31	63	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	32	65	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	33	67	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	34	69	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	35	71	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	36	73	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	37	75	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	38	77	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	39	79	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	40	81	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	41	83	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	42	85	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	43	87	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	44	89	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	45	91	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	46	93	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	47	95	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	48	97	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	49	99	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	50	101	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	51	103	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	52	105	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	53	107	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	54	109	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	55	111	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	56	113	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	57	115	PISO1	UX; UY; UZ; RX; RY;

Story	Label	UniqueName	Diaphragm	Restraints
				RZ
PISO1	58	117	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	59	119	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	60	121	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	61	123	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	62	125	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	63	127	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	64	129	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	65	131	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	66	133	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	67	135	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	68	137	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	69	139	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	72	145	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	73	147	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	74	149	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	75	151	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	76	153	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	77	155	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	78	157	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	79	159	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	80	161	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	81	163	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	82	165	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	83	167	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	84	169	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	85	171	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	86	173	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	87	175	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	88	177	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	89	179	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	90	181	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	91	1104	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	92	1106	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	93	183	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	94	1	PISO1	UX; UY; UZ; RX; RY;

Story	Label	UniqueName	Diaphragm	Restraints
				RZ
PISO1	95	189	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	96	195	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	97	193	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	98	191	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	100	187	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	102	185	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	103	1108	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	105	1109	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	106	1110	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	107	1111	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	120	1105	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	121	1107	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	313	141	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	170	143	PISO1	UX; UY; UZ; RX; RY; RZ
PISO1	110	4	PISO1	

3.2 Frame Assignments

Table 3.2 - Frame Assignments - Summary

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
CUBIERTA	B1	739	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B2	793	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B3	794	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B4	795	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B5	796	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B6	797	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B7	798	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B8	799	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B9	800	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B10	801	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B11	802	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B12	803	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B13	804	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B14	805	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B15	806	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B16	807	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B17	740	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B18	741	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B19	808	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B20	809	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B21	810	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B22	811	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B23	812	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B24	813	Beam	6	VIGA40X50	VIGA40X50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
CUBIERTA	B25	814	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B26	815	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B27	816	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B28	817	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B29	818	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B30	819	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B31	820	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B32	821	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B33	822	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B34	742	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B35	743	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B36	823	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B37	824	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B38	825	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B39	826	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B40	827	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B41	828	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B42	829	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B43	830	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B44	831	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B45	832	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B46	833	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B47	834	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B48	835	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B49	836	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B52	745	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B53	838	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B54	839	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B55	840	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B56	841	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B57	842	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B58	843	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B59	844	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B60	845	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B61	846	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B62	847	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B63	848	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B64	849	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B65	850	Beam	5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B66	851	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B67	852	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B69	747	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B85	748	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B86	749	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B87	750	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B88	751	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B89	752	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B90	753	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B91	754	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B92	755	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B93	756	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B94	757	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B98	758	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B99	759	Beam	2.55	VIGA30x50	VIGA30x50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
CUBIERTA	B103	760	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B104	761	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B107	762	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B108	763	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B111	764	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B112	765	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B115	766	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B116	767	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B119	768	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B120	769	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B123	770	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B124	771	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B127	772	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B128	773	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B131	774	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B132	775	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B135	776	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B136	777	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B139	778	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B140	779	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B144	780	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B145	781	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B149	782	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B150	783	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B153	784	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B156	787	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B157	788	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B159	790	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B160	791	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B161	792	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B95	945	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B96	938	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B162	856	Beam	1.6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B163	857	Beam	1.5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B165	858	Beam	1.5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B166	859	Beam	1.5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B168	860	Beam	1.5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B170	861	Beam	1.5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B172	862	Beam	1.5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B175	863	Beam	1.5	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B198	866	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B199	867	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B200	868	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B201	869	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B202	870	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B203	871	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B204	872	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B206	874	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B207	875	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B208	876	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B209	877	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B210	878	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B211	879	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B212	880	Beam	1.65	VIGA30x50	VIGA30x50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
CUBIERTA	B213	881	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B214	882	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B215	883	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B217	885	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B218	886	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B219	887	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B220	888	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B221	889	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B223	891	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B224	892	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B225	893	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B226	894	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B227	895	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B228	896	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B229	897	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B230	898	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B231	899	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B232	900	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B233	901	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B234	902	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B235	903	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B236	904	Beam	1.5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B237	905	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B238	906	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B239	907	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B240	908	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B241	909	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B242	910	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B243	911	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B244	912	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B245	913	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B246	914	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B247	915	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B248	916	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B249	917	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B250	918	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B251	919	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B252	920	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B253	921	Beam	5.85	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B254	922	Beam	1.5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B255	923	Beam	1.65	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B256	924	Beam	2.55	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B257	925	Beam	9.08	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B263	931	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B264	932	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B265	933	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B266	934	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B267	935	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B268	936	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B269	937	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B270	939	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B271	940	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B272	941	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B273	942	Beam	6	VIGA20x50	VIGA20x50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
CUBIERTA	B274	943	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B275	944	Beam	5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B276	946	Beam	6	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B277	947	Beam	1.5	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B278	948	Beam	1.65	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B279	949	Beam	2.55	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B280	950	Beam	8.82	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B281	951	Beam	9.08	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B282	952	Beam	2.55	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B283	953	Beam	1.65	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B477	864	Beam	1.45	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B478	926	Beam	8.8201	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B479	927	Beam	2.55	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B480	746	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B481	789	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B504	865	Beam	1.45	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B509	837	Beam	6	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B510	744	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
CUBIERTA	B511	785	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B512	786	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B513	884	Beam	1.65	VIGA30x50	VIGA30x50		0.5	
CUBIERTA	B514	928	Beam	1.65	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B515	929	Beam	1.45	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	B516	930	Beam	5.85	VIGA20x50	VIGA20x50		0.5	
CUBIERTA	C1	664	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C2	663	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C3	665	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C4	666	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C5	667	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C6	668	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C7	669	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C8	670	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C9	671	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C10	672	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C11	673	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C12	674	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C13	675	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C14	676	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C15	677	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C16	678	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C17	679	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C18	680	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C19	681	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C20	682	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C21	683	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C22	684	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C23	685	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C24	686	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C25	687	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C26	688	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C27	689	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C28	690	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C29	691	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C30	692	Column	4	COL30X60	COL30X60	90		3

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
CUBIERTA	C31	693	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C32	694	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C33	695	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C34	696	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C35	697	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C36	698	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C37	699	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C38	700	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C39	701	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C40	702	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C41	703	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C42	704	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C43	705	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C44	706	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C45	707	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C46	708	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C47	709	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C48	710	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C49	711	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C50	712	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C51	713	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C52	714	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C53	715	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C54	716	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C55	717	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C56	718	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C57	719	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C58	720	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C59	721	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C60	722	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C61	723	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C62	724	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C63	725	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C64	726	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C65	727	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C66	728	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C67	729	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C68	730	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C69	731	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C72	734	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C73	735	Column	4	COL30X60	COL30X60			3
CUBIERTA	C74	736	Column	4	COL30X60	COL30X60			3
CUBIERTA	C89	737	Column	4	COL30X60	COL30X60			3
CUBIERTA	C90	738	Column	4	COL30X60	COL30X60			3
CUBIERTA	C240	732	Column	4	COL30X60	COL30X60	90		3
CUBIERTA	C252	733	Column	4	COL30X60	COL30X60	90		3
PISO1	B1	294	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B2	295	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B3	313	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B4	1399	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B5	1401	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B6	1468	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B7	1484	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B8	1948	Beam	6	VIGA40X50	VIGA40X50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
PISO1	B9	1949	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B10	1950	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B11	1951	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B12	1952	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B13	1953	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B14	1954	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B15	1955	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B16	1956	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B17	1957	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
PISO1	B18	1958	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B19	1959	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B20	1960	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B21	1961	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B22	1962	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B23	1963	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B24	1964	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B25	1965	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B26	1966	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B27	1967	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B28	1968	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B29	1969	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B30	1970	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B31	1971	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B32	1972	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B33	1973	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B34	1974	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
PISO1	B35	1975	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B36	1976	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B37	1977	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B38	2146	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B39	2147	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B40	2148	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B41	2149	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B42	2150	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B43	2151	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B44	2152	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B45	2153	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B46	2154	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B47	2155	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B48	2156	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B49	2157	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B52	2160	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B53	2161	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B54	2162	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B55	2163	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B56	2164	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B57	2165	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B58	2166	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B59	2167	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B60	2168	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B61	2169	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B62	2170	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B63	2171	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B64	2172	Beam	6	VIGA40X50	VIGA40X50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
PISO1	B65	2173	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B66	2174	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B67	2175	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B69	2177	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B70	2178	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B71	2179	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B72	2180	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B73	2181	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B74	2182	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B75	2183	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B76	2184	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B77	2185	Beam	5.0001	VIGA40X50	VIGA40X50		0.5	
PISO1	B78	2186	Beam	6.0001	VIGA40X50	VIGA40X50		0.5	
PISO1	B79	2187	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B80	2188	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B81	2189	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B82	2190	Beam	5	VIGA40X50	VIGA40X50		0.5	
PISO1	B83	2191	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B84	2192	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B85	2193	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
PISO1	B86	2194	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B87	2195	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B88	2196	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B89	2197	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B90	2198	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B91	2199	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B92	2200	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B93	2201	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B94	2202	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B97	2203	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B98	2204	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B99	2275	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B100	2281	Beam	3.01	VIGA30x50	VIGA30x50		0.5	
PISO1	B101	2283	Beam	2.78	VIGA30x50	VIGA30x50		0.5	
PISO1	B102	2276	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B103	2277	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B104	2278	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B106	2279	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B107	2280	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B108	2287	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B109	2288	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B110	2289	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B111	2290	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B112	2205	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B113	2206	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B114	2207	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B115	2208	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B116	2209	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B117	2210	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B118	2211	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B119	2212	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B120	2213	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B121	2214	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B122	2215	Beam	9.08	VIGA30x50	VIGA30x50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
PISO1	B123	2216	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B124	2217	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B125	2218	Beam	8.85	VIGA30x50	VIGA30x50		0.5	
PISO1	B126	2219	Beam	9.05	VIGA30x50	VIGA30x50		0.5	
PISO1	B127	2220	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B128	2221	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B129	2222	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B130	2223	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B131	2224	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B132	2225	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B133	2226	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B134	2227	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B135	2228	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B136	2229	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B137	2230	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B138	2231	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B139	2232	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B140	2233	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B141	2252	Beam	3.01	VIGA30x50	VIGA30x50		0.5	
PISO1	B142	2253	Beam	2.78	VIGA30x50	VIGA30x50		0.5	
PISO1	B143	2234	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B144	2235	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B145	2236	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B146	2254	Beam	3.01	VIGA30x50	VIGA30x50		0.5	
PISO1	B147	2255	Beam	2.78	VIGA30x50	VIGA30x50		0.5	
PISO1	B148	2237	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B149	2238	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B150	2239	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B151	2240	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B152	2241	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B153	2242	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B156	2245	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B157	2246	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B159	2248	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B160	2249	Beam	9.08	VIGA30x50	VIGA30x50		0.5	
PISO1	B161	2250	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B164	2258	Beam	6	VIGA30x50	VIGA30x50		0.5	
PISO1	B167	2263	Beam	6	VIGA30x50	VIGA30x50		0.5	
PISO1	B171	2270	Beam	5	VIGA30x50	VIGA30x50		0.5	
PISO1	B173	2273	Beam	5	VIGA30x50	VIGA30x50		0.5	
PISO1	B174	2274	Beam	6	VIGA30x50	VIGA30x50		0.5	
PISO1	B169	2251	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B179	2282	Beam	3.01	VIGA30x50	VIGA30x50		0.5	
PISO1	B180	2284	Beam	2.78	VIGA30x50	VIGA30x50		0.5	
PISO1	B480	2176	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
PISO1	B481	2247	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B509	2158	Beam	6	VIGA40X50	VIGA40X50		0.5	
PISO1	B510	2159	Beam	5.85	VIGA40X50	VIGA40X50		0.5	
PISO1	B511	2243	Beam	2.55	VIGA30x50	VIGA30x50		0.5	
PISO1	B512	2244	Beam	8.82	VIGA30x50	VIGA30x50		0.5	
PISO1	B808	2285	Beam	3.03	VIGA30x50	VIGA30x50		0.5	
PISO1	B810	2291	Beam	3.03	VIGA30x50	VIGA30x50		0.5	
PISO1	B811	2292	Beam	3.03	VIGA30x50	VIGA30x50		0.5	
PISO1	B876	2293	Beam	3.03	VIGA30x50	VIGA30x50		0.5	

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
PISO1	B877	2256	Beam	5	VIGA30x50	VIGA30x50		0.5	
PISO1	B878	2261	Beam	5	VIGA30x50	VIGA30x50		0.5	
PISO1	B879	2259	Beam	6	VIGA30x50	VIGA30x50		0.5	
PISO1	B880	2264	Beam	6	VIGA30x50	VIGA30x50		0.5	
PISO1	B881	2266	Beam	6	VIGA30x50	VIGA30x50		0.5	
PISO1	B882	2268	Beam	6	VIGA30x50	VIGA30x50		0.5	
PISO1	B883	2271	Beam	6	VIGA30x50	VIGA30x50		0.5	

3.3 Shell Assignments

Table 3.3 - Area Assignments - Summary

Story	Label	UniqueName	Section Property	Property Type	Axis Angle deg
CUBIERTA	F1	6	LOSA05	Slab	90
CUBIERTA	F3	9	LOSA05CUB	Slab	90
CUBIERTA	F6	11	LOSA05CUB	Slab	90
CUBIERTA	F12	1	LOSA05	Slab	90
CUBIERTA	F14	17	LOSA05CUB	Slab	90
CUBIERTA	F16	19	LOSA05CUB	Slab	90

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
Dead	No	Dead	1	
Granizo	No	Snow	0	
Live	No	Live	0	
SismoX	No	Seismic	0	User Coefficient
SismoY	No	Seismic	0	User Coefficient
Viento	No	Wind	0	None

4.2 Auto Seismic Loading

Table 4.2 - Load Pattern Definitions - Auto Seismic - User Coefficient (Part 1 of 2)

Name	Is Auto Load	X Dir?	X Dir Plus Ecc?	X Dir Minus Ecc?	Y Dir?	Y Dir Plus Ecc?	Y Dir Minus Ecc?	Ecc Ratio	Top Story	Bottom Story	C	K
SismoX	No	No	Yes	No	No	No	No	0.05	CUBIERTA	PISO1	0.866	1
SismoY	No	No	No	No	No	Yes	No	0.05	CUBIERTA	PISO1	0.866	1

Table 4.2 - Load Pattern Definitions - Auto Seismic - User Coefficient (Part 2 of 2)

Weight Used kN	Base Shear kN
18478.9067	16002.7332
18478.9067	16002.7332

User Coefficient Auto Seismic Load Calculation

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

Direction and Eccentricity

Direction = X + Eccentricity Y

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

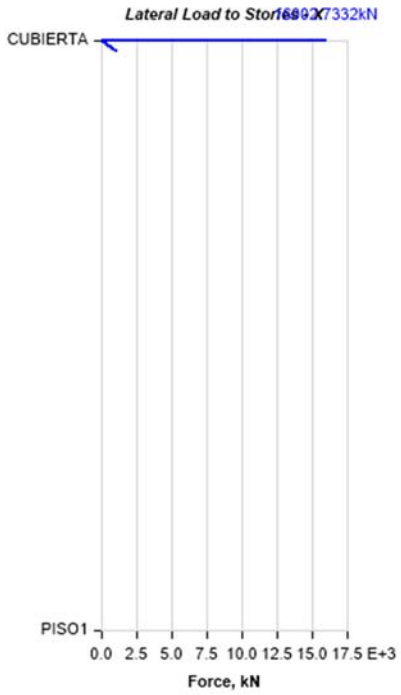
Base Shear Coefficient, C $C = 0.866$

Base Shear, V $V = CW$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kN)	V (kN)
X + Ecc. Y	0	0	18478.9067	16002.7332

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
CUBIERTA	4	16002.7332	0
PISO1	0	0	0

User Coefficient Auto Seismic Load Calculation

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

Direction and Eccentricity

Direction = Y + Eccentricity X

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

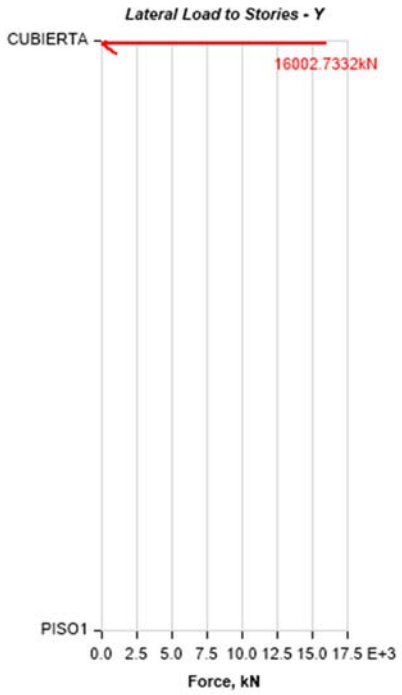
Base Shear Coefficient, C $C = 0.866$

Base Shear, V $V = CW$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kN)	V (kN)
Y + Ecc. X	0	0	18478.9067	16002.7332

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
CUBIERTA	4	0	16002.7332
PISO1	0	0	0

4.3 Applied Loads

4.3.1 Line Loads

Table 4.5 - Frame Loads Assignments - Distributed

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA	B2	793	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B3	794	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B4	795	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B5	796	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B6	797	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B7	798	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B8	799	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B9	800	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B10	801	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B11	802	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B12	803	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B13	804	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B14	805	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B15	806	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B16	807	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B19	808	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B20	809	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B21	810	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B22	811	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B23	812	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B24	813	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B25	814	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B26	815	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B27	816	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B28	817	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B29	818	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B30	819	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B31	820	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B32	821	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B33	822	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA	B36	823	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B37	824	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B38	825	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B39	826	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B40	827	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B41	828	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B42	829	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B43	830	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B44	831	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B45	832	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B46	833	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B47	834	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B48	835	Dead	Force	Gravity	Relative	0	1	0	5	61.06	61.06
CUBIERTA	B49	836	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B53	838	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B54	839	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B55	840	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B56	841	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B57	842	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B58	843	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B59	844	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B60	845	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B61	846	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B62	847	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B63	848	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B64	849	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B65	850	Dead	Force	Gravity	Relative	0	1	0	5	12.65	12.65
CUBIERTA	B66	851	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B67	852	Dead	Force	Gravity	Relative	0	1	0	6	12.65	12.65
CUBIERTA	B509	837	Dead	Force	Gravity	Relative	0	1	0	6	61.06	61.06
CUBIERTA	B2	793	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B3	794	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B4	795	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA	B5	796	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B6	797	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B7	798	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B8	799	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B9	800	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B10	801	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B11	802	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B12	803	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B13	804	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B14	805	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B15	806	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B16	807	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B19	808	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B20	809	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B21	810	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B22	811	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B23	812	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B24	813	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B25	814	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B26	815	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B27	816	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B28	817	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B29	818	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B30	819	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B31	820	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B32	821	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B33	822	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B36	823	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B37	824	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B38	825	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B39	826	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B40	827	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B41	828	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA	B42	829	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B43	830	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B44	831	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B45	832	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B46	833	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B47	834	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B48	835	Live	Force	Gravity	Relative	0	1	0	5	49.92	49.92
CUBIERTA	B49	836	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B53	838	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B54	839	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B55	840	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B56	841	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B57	842	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B58	843	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B59	844	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B60	845	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B61	846	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B62	847	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B63	848	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B64	849	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B65	850	Live	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B66	851	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B67	852	Live	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B509	837	Live	Force	Gravity	Relative	0	1	0	6	49.92	49.92
CUBIERTA	B2	793	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B3	794	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B4	795	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B5	796	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B6	797	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B7	798	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B8	799	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B9	800	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B10	801	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA	B11	802	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B12	803	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B13	804	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B14	805	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B15	806	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B16	807	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B53	838	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B54	839	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B55	840	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B56	841	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B57	842	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B58	843	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B59	844	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B60	845	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B61	846	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B62	847	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B63	848	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B64	849	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B65	850	Viento	Force	Gravity	Relative	0	1	0	5	13.46	13.46
CUBIERTA	B66	851	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B67	852	Viento	Force	Gravity	Relative	0	1	0	6	13.46	13.46
CUBIERTA	B2	793	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B3	794	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B4	795	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B5	796	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B6	797	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B7	798	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B8	799	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B9	800	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B10	801	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B11	802	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B12	803	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B13	804	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA	B14	805	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B15	806	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B16	807	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B53	838	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B54	839	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B55	840	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B56	841	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B57	842	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B58	843	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B59	844	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B60	845	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B61	846	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B62	847	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B63	848	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B64	849	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B65	850	Granizo	Force	Gravity	Relative	0	1	0	5	5.75	5.75
CUBIERTA	B66	851	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75
CUBIERTA	B67	852	Granizo	Force	Gravity	Relative	0	1	0	6	5.75	5.75

4.3.2 Area Loads

Table 4.6 - Area Load Assignments - Uniform

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
CUBIERTA	F1	6	Dead	Gravity	1.97
CUBIERTA	F12	1	Dead	Gravity	1.97
CUBIERTA	F1	6	Live	Gravity	2
CUBIERTA	F12	1	Live	Gravity	2

4.4 Functions

4.4.1 Response Spectrum Functions

Table 4.7 - Functions - Response Spectrum - Columbia NSR-10

Name	Period sec	Value	Aa	Av	Ae	Ad	Group of Use	Fa	Fv	Damping Ratio
SISMO	0	0.86625	0.15	0.2	0.13	0.07	2	2.1	3.2	0.05
SISMO	0.1	0.86625								
SISMO	0.2	0.86625								
SISMO	0.3	0.86625								
SISMO	0.4	0.86625								
SISMO	0.5	0.86625								
SISMO	0.6	0.86625								

Name	Period sec	Value	Aa	Av	Ae	Ad	Group of Use	Fa	Fv	Damping Ratio
SISMO	0.7	0.86625								
SISMO	0.8	0.86625								
SISMO	0.9	0.86625								
SISMO	1	0.8448								
SISMO	1.2	0.704								
SISMO	1.5	0.5632								
SISMO	1.7	0.496941								
SISMO	2	0.4224								
SISMO	2.5	0.33792								
SISMO	3	0.2816								
SISMO	3.5	0.241371								
SISMO	4	0.2112								
SISMO	5	0.16896								
SISMO	8	0.101376								
SISMO	11	0.05362								
SISMO	15	0.028836								

4.5 Load Cases

Table 4.8 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
Viento	Linear Static
Granizo	Linear Static
SismoX	Linear Static
SismoY	Linear Static
EX	Response Spectrum
EY	Response Spectrum

4.6 Load Combinations

Table 4.9 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
Comb1	Linear Add	No	Dead	1.4	
Comb1Col	Linear Add	No	Dead	1.2	
Comb1Col			Live	1	
Comb1Col			EX	0.8	
Comb1Col			EY	0.24	
Comb1Vig	Linear Add	No	Dead	1.2	
Comb1Vig			Live	1	
Comb1Vig			EX	0.53	
Comb1Vig			EY	0.16	
Comb2	Linear Add	No	Dead	1.2	
Comb2			Live	1.6	
Comb2			Granizo	0.5	
Comb2Col	Linear Add	No	Dead	1.2	
Comb2Col			Live	1	
Comb2Col			EX	0.24	
Comb2Col			EY	0.8	
Comb2Vig	Linear Add	No	Dead	1.2	
Comb2Vig			Live	1	
Comb2Vig			EX	0.16	

Name	Type	Is Auto	Load Name	SF	Notes
Comb2Vig			EY	0.53	
Comb3	Linear Add	No	Dead	1.2	
Comb3			Live	1	
Comb3			Granizo	1.6	
Comb3Col	Linear Add	No	Dead	0.9	
Comb3Col			EX	0.8	
Comb3Col			EY	0.24	
Comb3Vig	Linear Add	No	Dead	0.9	
Comb3Vig			EX	0.53	
Comb3Vig			EY	0.16	
Comb4	Linear Add	No	Dead	1.2	
Comb4			Granizo	1.6	
Comb4			Viento	0.5	
Comb4Col	Linear Add	No	Dead	0.9	
Comb4Col			EX	0.24	
Comb4Col			EY	0.8	
Comb4Vig	Linear Add	No	Dead	0.9	
Comb4Vig			EX	0.16	
Comb4Vig			EY	0.53	
Comb5	Linear Add	No	Dead	1.2	
Comb5			Granizo	1.6	
Comb5			Viento	-0.5	
Comb6	Linear Add	No	Dead	1.2	
Comb6			Live	1	
Comb6			Granizo	0.5	
Comb6			Viento	1	
Comb7	Linear Add	No	Dead	1.2	
Comb7			Live	1	
Comb7			Granizo	0.5	
Comb7			Viento	-1	
Comb8	Linear Add	No	Dead	0.9	
Comb8			Viento	1	
Comb9	Linear Add	No	Dead	0.9	
Comb9			Viento	-1	
Comb10	Linear Add	No	Dead	0.9	
Comb11	Linear Add	No	Dead	0.9	
Comb12	Linear Add	No	Dead	1.2	
Comb12			Live	1	
Comb12			EX	0.27	
Comb12			EY	0.08	
Comb13	Linear Add	No	Dead	1.2	
Comb13			Live	1	
Comb13			EX	0.08	
Comb13			EY	0.27	
Comb14	Linear Add	No	Dead	0.9	
Comb14			EX	0.27	
Comb14			EY	0.08	
Comb15	Linear Add	No	Dead	0.9	
Comb15			EX	0.08	
Comb15			EY	0.27	
D+L	Linear Add	No	Dead	1	
D+L			Live	1	
EnvveCol	Envelope	No	Comb1	1	
EnvveCol			Comb2	1	
EnvveCol			Comb3	1	
EnvveCol			Comb4	1	

Name	Type	Is Auto	Load Name	SF	Notes
EnvveCol			Comb5	1	
EnvveCol			Comb6	1	
EnvveCol			Comb7	1	
EnvveCol			Comb8	1	
EnvveCol			Comb9	1	
EnvveCol			Comb10	1	
EnvveCol			Comb11	1	
EnvveCol			Comb1Col	1	
EnvveCol			Comb2Col	1	
EnvveCol			Comb3Col	1	
EnvveCol			Comb4Col	1	
EnvveViga	Envelope	No	Comb1	1	
EnvveViga			Comb2	1	
EnvveViga			Comb3	1	
EnvveViga			Comb4	1	
EnvveViga			Comb5	1	
EnvveViga			Comb6	1	
EnvveViga			Comb7	1	
EnvveViga			Comb8	1	
EnvveViga			Comb9	1	
EnvveViga			Comb10	1	
EnvveViga			Comb11	1	
EnvveViga			Comb1Vig	1	
EnvveViga			Comb2Vig	1	
EnvveViga			Comb3Vig	1	
EnvveViga			Comb4Vig	1	
Envvolvente	Envelope	No	Comb1	1	
Envvolvente			Comb2	1	
Envvolvente			Comb3	1	
Envvolvente			Comb4	1	
Envvolvente			Comb5	1	
Envvolvente			Comb6	1	
Envvolvente			Comb7	1	
Envvolvente			Comb8	1	
Envvolvente			Comb9	1	
Envvolvente			Comb10	1	
Envvolvente			Comb11	1	
Envvolvente			Comb12	1	
Envvolvente			Comb13	1	
Envvolvente			Comb14	1	
Envvolvente			Comb15	1	

5 Analysis Results

This chapter provides analysis results.

5.1 Structure Results

Table 5.1 - Base Reactions

Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m	X m	Y m	Z m
Dead	LinStatic		0	0	22229.3486	254515.2462	-1076721	0	0	0	0
Live	LinStatic		0	0	10009	115103.5	-485102.3675	0	0	0	0
Viento	LinStatic		0	0	2288.2	26314.3	-110977.7	0	0	0	0
Granizo	LinStatic		0	0	977.5	11241.25	-47408.75	0	0	0	0
SismoX	LinStatic		-16002.7332	0	0	0	-64010.933	205079.1203	0	0	0
SismoY	LinStatic		0	-16002.7332	0	64010.933	0	-855213.1481	0	0	0
EX	LinRespSpec	Max	15998.5181	0.2705	2.1601	42.754	65966.3983	184131.0758	0	0	0
EY	LinRespSpec	Max	0.2705	15934.9257	6.0381	65494.8942	115.5539	773453.5395	0	0	0
D+L	Combination		0	0	32238.3486	369618.7462	-1561823	0	0	0	0
Comb1	Combination		0	0	31121.0881	356321.3447	-1507409	0	0	0	0
Comb2	Combination		0	0	43178.3683	495204.5205	-2091933	0	0	0	0
Comb3	Combination		0	0	38248.2183	438507.7955	-1853022	0	0	0	0
Comb4	Combination		0	0	29383.3183	336561.4455	-1423408	0	0	0	0
Comb5	Combination		0	0	27095.1183	310247.1455	-1312430	0	0	0	0
Comb6	Combination		0	0	39461.1683	452456.7205	-1911850	0	0	0	0
Comb7	Combination		0	0	34884.7683	399828.1205	-1689894	0	0	0	0
Comb8	Combination		0	0	22294.6137	255378.0216	-1080027	0	0	0	0
Comb9	Combination		0	0	17718.2137	202749.4216	-858071.2216	0	0	0	0
Comb10	Combination		0	0	20006.4137	229063.7216	-969048.9216	0	0	0	0
Comb11	Combination		0	0	20006.4137	229063.7216	-969048.9216	0	0	0	0
Comb12	Combination	Max	4319.6215	1274.8671	36685.2846	425772.9306	-1759347	111591.6736	0	0	0
Comb12	Combination	Min	-4319.6215	-1274.8671	36683.1521	415270.6603	-1794988	-111591.6736	0	0	0
Comb13	Combination	Max	1279.9545	4302.4516	36686.0214	438208.8372	-1771859	223562.9417	0	0	0
Comb13	Combination	Min	-1279.9545	-4302.4516	36682.4152	402834.7537	-1782476	-223562.9417	0	0	0
Comb14	Combination	Max	4319.6215	1274.8671	20007.48	234314.8567	-951228.7498	111591.6736	0	0	0
Comb14	Combination	Min	-4319.6215	-1274.8671	20005.3475	223812.5865	-986869.0935	-111591.6736	0	0	0
Comb15	Combination	Max	1279.9545	4302.4516	20008.216	246750.763	-	223562.941	0	0	0

Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m	X m	Y m	Z m
					8	3	963740.4102	7			
Comb15	Combination	Min	-1279.9545	-4302.4516	20004.6107	211376.6798	-974357.4331	-223562.9417	0	0	0
Envvolvente	Combination	Max	4319.6215	4302.4516	43178.3683	495204.5205	-858071.2216	223562.9417	0	0	0
Envvolvente	Combination	Min	-4319.6215	-4302.4516	17718.2137	202749.4216	-2091933	-223562.9417	0	0	0
Comb1Vig	Combination	Max	8479.2578	2549.7315	36686.3293	431023.6382	-1742187	221342.0365	0	0	0
Comb1Vig	Combination	Min	-8479.2578	-2549.7315	36682.1074	410019.9527	-1812148	-221342.0365	0	0	0
Comb2Vig	Combination	Max	2559.9062	8445.5539	36687.7641	455240.93	-1766552	439391.3481	0	0	0
Comb2Vig	Combination	Min	-2559.9062	-8445.5539	36680.6725	385802.6609	-1787783	-439391.3481	0	0	0
Comb3Vig	Combination	Max	8479.2578	2549.7315	20008.5247	239565.5643	-934068.2419	221342.0365	0	0	0
Comb3Vig	Combination	Min	-8479.2578	-2549.7315	20004.3028	218561.8789	-1004030	-221342.0365	0	0	0
Comb4Vig	Combination	Max	2559.9062	8445.5539	20009.9595	263782.8562	-958433.0543	439391.3481	0	0	0
Comb4Vig	Combination	Min	-2559.9062	-8445.5539	20002.868	194344.587	-979664.7889	-439391.3481	0	0	0
Comb1Col	Combination	Max	12798.8794	3824.5986	36687.3955	436274.7733	-1724367	332933.7101	0	0	0
Comb1Col	Combination	Min	-12798.8794	-3824.5986	36681.0411	404768.8176	-1829968	-332933.7101	0	0	0
Comb2Col	Combination	Max	3839.8607	12748.0055	36689.5672	472927.9718	-1761243	662954.2898	0	0	0
Comb2Col	Combination	Min	-3839.8607	-12748.0055	36678.8694	368115.6191	-1793092	-662954.2898	0	0	0
Comb3Col	Combination	Max	12798.8794	3824.5986	20009.591	244816.6994	-916248.0701	332933.7101	0	0	0
Comb3Col	Combination	Min	-12798.8794	-3824.5986	20003.2365	213310.7438	-1021850	-332933.7101	0	0	0
Comb4Col	Combination	Max	3839.8607	12748.0055	20011.7626	281469.8979	-953124.5429	662954.2898	0	0	0
Comb4Col	Combination	Min	-3839.8607	-12748.0055	20001.0649	176657.5453	-984973.3004	-662954.2898	0	0	0
EnvveViga	Combination	Max	8479.2578	8445.5539	43178.3683	495204.5205	-858071.2216	439391.3481	0	0	0
EnvveViga	Combination	Min	-8479.2578	-8445.5539	17718.2137	194344.587	-2091933	-439391.3481	0	0	0
EnvveCol	Combination	Max	12798.8794	12748.0055	43178.3683	495204.5205	-858071.2216	662954.2898	0	0	0
EnvveCol	Combination	Min	-12798.8794	-12748.0055	17718.2137	176657.5453	-2091933	-662954.2898	0	0	0

5.2 Modal Results

Table 5.2 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	0.405	2.471	15.5242	241.0006
Modal	2	0.254	3.939	24.7484	612.4825
Modal	3	0.245	4.085	25.6643	658.6538
Modal	4	0.056	17.728	111.3877	12407.2203
Modal	5	0.056	17.797	111.8213	12504.0133
Modal	6	0.056	17.944	112.7448	12711.3974
Modal	7	0.056	17.969	112.9009	12746.6078
Modal	8	0.056	17.98	112.9691	12762.0064
Modal	9	0.056	18.003	113.1138	12794.7264
Modal	10	0.055	18.102	113.741	12937.01
Modal	11	0.055	18.103	113.7443	12937.7703
Modal	12	0.055	18.157	114.0847	13015.3147
Modal	13	0.055	18.159	114.0964	13017.9873
Modal	14	0.054	18.401	115.6153	13366.906
Modal	15	0.054	18.405	115.6443	13373.6
Modal	16	0.054	18.643	117.1397	13721.7084
Modal	17	0.054	18.645	117.1494	13723.9883
Modal	18	0.053	19.001	119.3842	14252.591
Modal	19	0.053	19.012	119.4547	14269.4345
Modal	20	0.052	19.073	119.8377	14361.0846
Modal	21	0.052	19.259	121.007	14642.6976

Table 5.3 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ	SumRX
Modal	1	0.405	0.9994	0	0	0.9994	0	0	0	0.0012	4.125E-06	0
Modal	2	0.254	0	0.9948	0	0.9994	0.9948	0	0.0094	0	0.0007	0.0094
Modal	3	0.245	0	0.0007	0	0.9994	0.9955	0	6.96E-06	0	0.995	0.0094
Modal	4	0.056	0.0002	0	0.0039	0.9997	0.9955	0.0039	8.027E-07	0.0119	0	0.0094
Modal	5	0.056	0.0002	8.034E-07	0.0023	0.9999	0.9955	0.0063	0	0.0101	1.584E-06	0.0094
Modal	6	0.056	3.083E-06	0	0.0209	0.9999	0.9955	0.0272	9.728E-07	0.0148	0	0.0094
Modal	7	0.056	0	0.0016	0	0.9999	0.9971	0.0272	0.0268	4.493E-06	0.0016	0.0363
Modal	8	0.056	6.406E-07	0	0.0125	0.9999	0.9971	0.0397	2.002E-06	0.0135	0	0.0363
Modal	9	0.056	0	0.002	0	0.9999	0.9991	0.0397	0.0338	0	0.0008	0.0701
Modal	10	0.055	0	9.322E-06	8.795E-06	0.9999	0.9991	0.0397	0.0002	0.0007	0.0001	0.0703
Modal	11	0.055	0	1.105E-05	7.395E-06	0.9999	0.9991	0.0397	0.0002	0.0006	0.0001	0.0705
Modal	12	0.055	0	2.513E-06	0.0006	0.9999	0.9991	0.0403	4.373E-05	0.0034	9.429E-06	0.0706
Modal	13	0.055	0	0.0001	1.657E-05	0.9999	0.9992	0.0403	0.0015	0.0001	0.0004	0.072
Modal	14	0.054	0	0.0002	0.0002	0.9999	0.9994	0.0405	0.0028	0.0003	0.0003	0.0748
Modal	15	0.054	0	2.763E-05	0.0019	0.9999	0.9995	0.0424	0.0004	0.0029	3.815E-05	0.0752
Modal	16	0.054	0	3.053E-05	0.0001	0.9999	0.9995	0.0424	0.0006	0.0001	3.9E-05	0.0758
Modal	17	0.054	0	8.532E-06	0.0002	0.9999	0.9995	0.0427	0.0002	0.0004	1.246E-05	0.076
Modal	18	0.053	0	0	0.0001	0.9999	0.9995	0.0427	0.0005	0.0001	3.249E-06	0.0765
Modal	19	0.053	0	0	2.591E-05	0.9999	0.9995	0.0427	0	0	0	0.0765
Modal	20	0.052	6.208E-06	4.769E-05	0.0009	0.9999	0.9995	0.0436	0.0056	0.0032	0.0001	0.0821
Modal	21	0.052	0	3.887E-05	0.001	0.9999	0.9996	0.0446	0.0021	1.053E-05	2.097E-05	0.0842

Table 5.3 - Modal Participating Mass Ratios (Part 2 of 2)

SumRY	SumRZ
0.0012	4.125E-06
0.0012	0.0007
0.0012	0.9958
0.0131	0.9958
0.0232	0.9958

SumRY	SumRZ
0.038	0.9958
0.038	0.9973
0.0515	0.9973
0.0515	0.9981
0.0522	0.9982
0.0528	0.9983
0.0562	0.9983
0.0563	0.9987
0.0566	0.999
0.0595	0.999
0.0596	0.999
0.06	0.9991
0.0601	0.9991
0.0601	0.9991
0.0633	0.9991
0.0633	0.9992

Table 5.4 - Modal Participation Factors

Case	Mode	Period sec	UX kN-m	UY kN-m	UZ kN-m	RX kN-m	RY kN-m	RZ kN-m	ModalMass kN-m-s2	ModalStiff kN-m
Modal	1	0.405	-4.3E-05	0	0	4E-06	-0.041542	0.002602	1E-06	0.00024
Modal	2	0.254	0	4.3E-05	0	-0.040746	2E-06	0.034689	1E-06	0.00061
Modal	3	0.245	1.357E-08	-1E-06	0	0.001107	-1.2E-05	1.277655	1E-06	0.00066
Modal	4	0.056	-1E-06	0	3E-06	0.000376	0.132338	7.9E-05	1E-06	0.01241
Modal	5	0.056	-1E-06	3.891E-08	-2E-06	-3.5E-05	0.121592	0.001612	1E-06	0.0125
Modal	6	0.056	-7.622E-08	0	-6E-06	-0.000414	0.147474	-0.000102	1E-06	0.01271
Modal	7	0.056	-1.627E-08	-2E-06	-5.168E-09	-0.068716	0.002567	-0.050652	1E-06	0.01275
Modal	8	0.056	3.474E-08	-9.208E-09	-5E-06	-0.000594	-0.140734	-0.000157	1E-06	0.01276
Modal	9	0.056	0	2E-06	-5.159E-09	0.077179	9.6E-05	-0.035946	1E-06	0.01279
Modal	10	0.055	-8.255E-09	1.325E-07	1.287E-07	0.006133	-0.032564	0.011928	1E-06	0.01294
Modal	11	0.055	0	-1.443E-07	1.18E-07	-0.006436	-0.029288	-0.013551	1E-06	0.01294
Modal	12	0.055	-2.987E-08	6.881E-08	1E-06	0.002775	0.07038	-0.003933	1E-06	0.01302
Modal	13	0.055	0	-4.084E-07	1.767E-07	-0.016022	0.011443	0.024076	1E-06	0.01302
Modal	14	0.054	0	-1E-06	-1E-06	-0.022182	-0.021353	0.021782	1E-06	0.01337
Modal	15	0.054	-1.382E-08	-2.282E-07	2E-06	-0.008503	0.065339	0.007911	1E-06	0.01337
Modal	16	0.054	0	-2.399E-07	-3.609E-07	-0.010221	0.011107	-0.007999	1E-06	0.01372
Modal	17	0.054	0	-1.268E-07	1E-06	-0.005431	-0.025513	-0.004521	1E-06	0.01372
Modal	18	0.053	-1.332E-08	1.845E-08	3.17E-07	0.009118	0.008634	-0.002309	1E-06	0.01425
Modal	19	0.053	0	-2.755E-08	2.209E-07	-0.000153	-0.000207	-0.000325	1E-06	0.01427
Modal	20	0.052	1.082E-07	-2.998E-07	-1E-06	-0.031474	-0.068424	0.011013	1E-06	0.01436
Modal	21	0.052	1.213E-08	2.706E-07	1E-06	0.019138	0.003931	-0.005865	1E-06	0.01464

Table 5.5 - Modal Load Participation Ratios

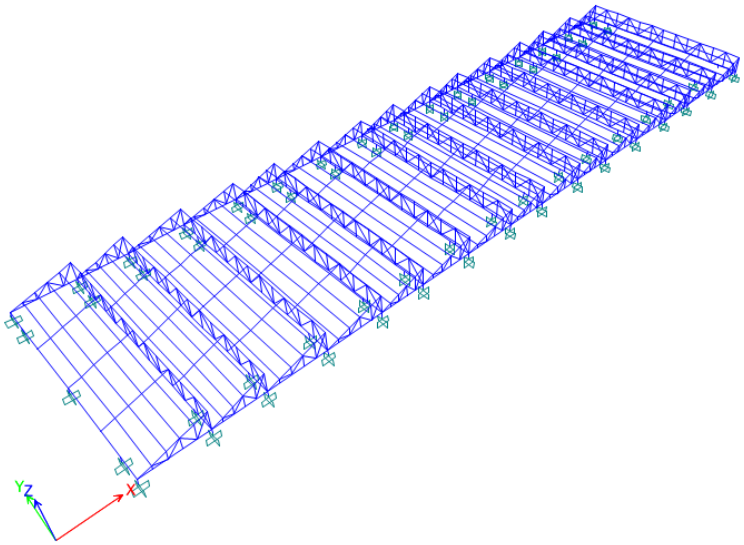
Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	99.99
Modal	Acceleration	UY	100	99.96
Modal	Acceleration	UZ	11.14	4.46

Table 5.6 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.405	1	0	0	0
Modal	2	0.254	0	0.999	0	0.001
Modal	3	0.245	0	0.001	0	0.999
Modal	4	0.056	0.056	0	0.944	0
Modal	5	0.056	0.094	0	0.905	0.001

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	6	0.056	0	0	1	0
Modal	7	0.056	0	0.504	0	0.496
Modal	8	0.056	0	0	1	0
Modal	9	0.056	0	0.715	0	0.285
Modal	10	0.055	0	0.089	0.084	0.827
Modal	11	0.055	0	0.085	0.057	0.859
Modal	12	0.055	0.001	0.004	0.979	0.016
Modal	13	0.055	0	0.193	0.036	0.771
Modal	14	0.054	0	0.293	0.297	0.41
Modal	15	0.054	0	0.014	0.966	0.019
Modal	16	0.054	0	0.22	0.499	0.281
Modal	17	0.054	0	0.035	0.914	0.051
Modal	18	0.053	0.002	0.003	0.938	0.057
Modal	19	0.053	0	0.015	0.982	0.002
Modal	20	0.052	0.006	0.048	0.871	0.074
Modal	21	0.052	0	0.036	0.944	0.02

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MODELO

Model File: PYK 441 MODELO DE DISEÑO ETB18, Revision 0
22/02/2022

1 Structure Data

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

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	CUBIERTA$_{AL\ TA}$	2.06	Yes	None	No	Green
T1	CUBIERTA$_{BA\ JA}$	0.46	No	CUBIERTA$_{AL\ TA}$	No	Cyan

1.2 Mass

Table 1.2 - Mass Source Definition

Name	Is Default	Include Lateral Mass?	Include Vertical Mass?	Lump Mass?	Source Self Mass?	Source Added Mass?	Source Load Patterns?	Move Mass Centroid?	Load Pattern	Multiplier
MsSrc1	Yes	Yes	Yes	Yes	No	No	Yes	No	Dead	1.25

Table 1.3 - Mass Summary by Story

Story	UX kg	UY kg	UZ kg
CUBIERTA$_{AL\ TA}$	151472.63	151472.63	189172.12
CUBIERTA$_{BA\ JA}$	78079.89	78079.89	40380.4
BASE	347.91	347.91	347.91

Table 1.4 - Mass Summary by Group

Group	Self Mass kg	Self Weight kN	Mass X kg	Mass Y kg	Mass Z kg
All	0	1012.5531	229900.43	229900.43	229900.43

1.3 Groups

Table 1.5 - Group Definitions

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

2 Properties

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

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
A416Gr270	Tendon	Uniaxial	Grade 270	Green	
A572Gr50	Steel	Isotropic	Grade 50	Yellow	
A615Gr60	Rebar	Uniaxial	Grade 60	Blue	
CR21	Concrete	Isotropic	f'c 3000 psi	Gray8Dark	
CR28	Concrete	Isotropic	f'c 4000 psi	Gray8Dark	

2.2 Frame Sections

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

Name	Material	Shape	Color	Area cm2	J cm4	I33 cm4	I22 cm4	As2 cm2	As3 cm2	S33Pos cm3	S33Neg cm3	S22Pos cm3
COL30X40	CR21	Concrete Rectangular	Magenta	1200	194385.1	160000	90000	1000	1000	8000	8000	6000
COL30X60	CR21	Concrete Rectangular	Blue	1800	370785.9	540000	135000	1500	1500	18000	18000	9000
TUBO100X150	A572Gr50	Steel Tube	16744576	14.6	500	473.5	253.3	8.7	6	63.1	63.1	50.7
TUBO200X100X4	A572Gr50	Steel Tube	DarkMagenta	23.4	970	1240.3	420.8	15.3	7.9	124	124	84.2
TUBO200X100X6	A572Gr50	Steel Tube	4227072	56	2088.6	2778.7	898.7	37.7	19.7	277.9	277.9	179.7
TUBO70X70	A572Gr50	Steel Tube	8388863	5.4	62.9	42	42	2.8	2.8	12	12	12
VIGA20x50	CR21	Concrete Rectangular	Red	1000	99805	208333.3	33333.3	833.3	833.3	8333.3	8333.3	3333.3
VIGA30x50	CR21	Concrete Rectangular	Green	1500	281737.1	312500	112500	1250	1250	12500	12500	7500
VIGA40X50	CR21	Concrete Rectangular	Orange	2000	547416.7	416666.7	266666.7	1666.7	1666.7	16666.7	16666.7	13333.3

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

S22Neg cm3	Z33 cm3	Z22 cm3	R33 mm	R22 mm	CG Offset 3 mm	CG Offset 2 mm	PNA Offset 3 mm	PNA Offset 2 mm	Area Modifier	As2 Modifier	As3 Modifier	J Modifier
6000	12000	9000	115.5	86.6	0	0	0	0	1	1	1	1
9000	27000	13500	173.2	86.6	0	0	0	0	1	1	1	1
50.7	75.2	56.9	56.9	41.6	0	0	0	0	1	1	1	1
84.2	152.1	93.7	72.9	42.4	0	0	0	0	1	1	1	1
179.7	352	212	70.4	40.1	0	0	0	0	1	1	1	1
12	13.9	13.9	27.8	27.8	0	0	0	0	1	1	1	1
3333.3	12500	5000	144.3	57.7	0	0	0	0	1	1	1	1
7500	18750	11250	144.3	86.6	0	0	0	0	1	1	1	1
13333.3	25000	20000	144.3	115.5	0	0	0	0	1	1	1	1

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

I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1

I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
1	1	1	1
1	1	1	1

3 Loads

This chapter provides loading information as applied to the model.

3.1 Load Patterns

Table 3.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
Dead	No	Dead	1	
Granizo	No	Snow	0	
Live	No	Live	0	
SismoX	No	Seismic	0	User Coefficient
SismoY	No	Seismic	0	User Coefficient
Viento	No	Wind	0	None

3.2 Applied Loads

3.2.1 Line Loads

Table 3.2 - Frame Loads Assignments - Distributed

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B521	1432	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B522	1433	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B523	1434	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B524	1435	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B525	1436	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B526	1437	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B527	1438	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B528	1439	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B529	1440	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B530	1441	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B531	1442	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B532	1443	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B533	1444	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B534	1445	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B535	1446	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B536	1447	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B539	1510	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B540	1511	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B541	1512	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B542	1513	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B543	1514	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B544	1515	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B545	1516	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B546	1517	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B547	1518	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B548	1519	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B549	1520	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B550	1521	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B551	1522	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B552	1523	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B553	1524	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B554	1525	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B572	1557	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B573	1558	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B574	1559	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B575	1560	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B576	1561	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B577	1562	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B578	1563	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B579	1564	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B580	1565	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B581	1566	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B582	1567	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B583	1568	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B584	1569	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B585	1570	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B586	1571	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B587	1572	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B602	1601	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B603	1602	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B604	1603	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B605	1604	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B606	1605	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B607	1606	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B608	1607	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B609	1608	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B610	1609	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B611	1610	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B612	1611	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B613	1612	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B614	1613	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B615	1614	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B616	1615	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B617	1616	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B630	1643	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B631	1644	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B632	1645	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B633	1646	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B634	1647	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B635	1648	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B636	1649	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B637	1650	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B638	1651	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B639	1652	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B640	1653	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B641	1654	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B642	1655	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B643	1656	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B644	1657	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B645	1658	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B658	1685	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B659	1686	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B660	1687	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B661	1688	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B662	1689	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B663	1690	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B664	1691	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B665	1692	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B666	1693	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B667	1694	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B668	1695	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B669	1696	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B670	1697	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B671	1698	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B672	1699	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B673	1700	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B686	1727	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B687	1728	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B688	1729	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B689	1730	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B690	1731	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B691	1732	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B692	1733	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B693	1734	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B694	1735	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B695	1736	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B696	1737	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B697	1738	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B698	1739	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B699	1740	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B700	1741	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B701	1742	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B714	1769	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B715	1770	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B716	1771	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B717	1772	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B718	1773	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B719	1774	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B720	1775	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B721	1776	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B722	1777	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B723	1778	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B724	1779	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B725	1780	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B726	1781	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B727	1782	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B728	1783	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B729	1784	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B742	1811	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B743	1812	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B744	1813	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B745	1814	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B746	1815	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B747	1816	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B748	1817	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B749	1818	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B750	1819	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B751	1820	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B752	1821	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B753	1822	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B754	1823	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B755	1824	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B756	1825	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B757	1826	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B770	1854	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B771	1855	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B772	1856	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B773	1857	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B774	1858	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B775	1859	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B776	1860	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B777	1861	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B778	1862	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B779	1863	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B780	1864	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B781	1865	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B782	1866	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B783	1867	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B784	1868	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B785	1869	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B559	1932	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B560	1933	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B561	1934	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B590	1935	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B601	1936	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B797	1937	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B798	1938	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B799	1939	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B800	1940	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B801	1941	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B802	1942	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B803	1943	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B804	1944	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B805	1945	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B806	1946	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B807	1947	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B812	2004	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B813	2005	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B814	2006	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B815	2007	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B816	2008	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B817	2009	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B818	2010	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B819	2011	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B820	2012	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B821	2013	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B822	2014	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B823	2015	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B824	2016	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B825	2017	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B826	2018	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B827	2019	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B828	2045	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B829	2046	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B830	2047	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B831	2048	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B832	2049	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B833	2050	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B834	2051	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B835	2052	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B836	2053	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B837	2054	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B838	2055	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B839	2056	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B840	2057	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B841	2058	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B842	2059	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B843	2060	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B844	2087	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B845	2088	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B846	2089	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B847	2090	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B848	2091	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B849	2092	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B850	2093	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B851	2094	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B852	2095	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B853	2096	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B854	2097	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B855	2098	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B856	2099	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B857	2100	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B858	2101	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B859	2102	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B860	2129	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B861	2130	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B862	2131	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B863	2132	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B864	2133	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B865	2134	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B866	2135	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B867	2136	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B868	2137	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B869	2138	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B870	2139	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B871	2140	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B872	2141	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B873	2142	Dead	Force	Gravity	Relative	0	1	0	5.815	0.72	0.72
CUBIERTA ALTA	B874	2143	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B875	2144	Dead	Force	Gravity	Relative	0	1	0	5.685	0.72	0.72
CUBIERTA ALTA	B521	1432	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B522	1433	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B523	1434	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B524	1435	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B525	1436	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B526	1437	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B527	1438	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B528	1439	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B529	1440	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B530	1441	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B531	1442	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B532	1443	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B533	1444	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B534	1445	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B535	1446	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B536	1447	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B539	1510	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B540	1511	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B541	1512	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B542	1513	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B543	1514	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B544	1515	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B545	1516	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B546	1517	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B547	1518	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B548	1519	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B549	1520	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B550	1521	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B551	1522	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B552	1523	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B553	1524	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B554	1525	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B572	1557	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B573	1558	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B574	1559	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B575	1560	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B576	1561	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B577	1562	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B578	1563	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B579	1564	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B580	1565	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B581	1566	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B582	1567	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B583	1568	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B584	1569	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B585	1570	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B586	1571	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B587	1572	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B602	1601	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B603	1602	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B604	1603	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B605	1604	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B606	1605	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B607	1606	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B608	1607	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B609	1608	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B610	1609	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B611	1610	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B612	1611	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B613	1612	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B614	1613	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B615	1614	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B616	1615	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B617	1616	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B630	1643	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B631	1644	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B632	1645	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B633	1646	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B634	1647	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B635	1648	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B636	1649	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B637	1650	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B638	1651	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B639	1652	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B640	1653	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B641	1654	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B642	1655	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B643	1656	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B644	1657	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B645	1658	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B658	1685	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B659	1686	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B660	1687	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B661	1688	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B662	1689	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B663	1690	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B664	1691	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B665	1692	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B666	1693	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B667	1694	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B668	1695	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B669	1696	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B670	1697	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B671	1698	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B672	1699	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B673	1700	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B686	1727	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B687	1728	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B688	1729	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B689	1730	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B690	1731	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B691	1732	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B692	1733	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B693	1734	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B694	1735	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B695	1736	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B696	1737	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B697	1738	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B698	1739	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B699	1740	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B700	1741	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B701	1742	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B714	1769	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B715	1770	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B716	1771	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B717	1772	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B718	1773	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B719	1774	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B720	1775	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B721	1776	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B722	1777	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B723	1778	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B724	1779	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B725	1780	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B726	1781	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B727	1782	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B728	1783	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B729	1784	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B742	1811	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B743	1812	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B744	1813	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B745	1814	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B746	1815	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B747	1816	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B748	1817	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B749	1818	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B750	1819	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B751	1820	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B752	1821	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B753	1822	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B754	1823	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B755	1824	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B756	1825	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B757	1826	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B770	1854	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B771	1855	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B772	1856	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B773	1857	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B774	1858	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B775	1859	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B776	1860	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B777	1861	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B778	1862	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B779	1863	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B780	1864	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B781	1865	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B782	1866	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B783	1867	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B784	1868	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B785	1869	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B559	1932	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B560	1933	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B561	1934	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B590	1935	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B601	1936	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B797	1937	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B798	1938	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B799	1939	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B800	1940	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B801	1941	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B802	1942	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B803	1943	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B804	1944	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B805	1945	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B806	1946	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B807	1947	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B812	2004	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B813	2005	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B814	2006	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B815	2007	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B816	2008	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B817	2009	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B818	2010	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B819	2011	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B820	2012	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B821	2013	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B822	2014	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B823	2015	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B824	2016	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B825	2017	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B826	2018	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B827	2019	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B828	2045	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B829	2046	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B830	2047	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B831	2048	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B832	2049	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B833	2050	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B834	2051	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B835	2052	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B836	2053	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B837	2054	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B838	2055	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B839	2056	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B840	2057	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B841	2058	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B842	2059	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B843	2060	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B844	2087	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B845	2088	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B846	2089	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B847	2090	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B848	2091	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B849	2092	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B850	2093	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B851	2094	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B852	2095	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B853	2096	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B854	2097	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B855	2098	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B856	2099	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B857	2100	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B858	2101	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B859	2102	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B860	2129	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B861	2130	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B862	2131	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B863	2132	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B864	2133	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B865	2134	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B866	2135	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B867	2136	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B868	2137	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B869	2138	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B870	2139	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B871	2140	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B872	2141	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B873	2142	Live	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B874	2143	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B875	2144	Live	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B521	1432	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B522	1433	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B523	1434	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B524	1435	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B525	1436	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B526	1437	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B527	1438	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B528	1439	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B529	1440	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B530	1441	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B531	1442	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B532	1443	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B533	1444	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B534	1445	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B535	1446	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B536	1447	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B539	1510	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B540	1511	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B541	1512	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B542	1513	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B543	1514	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B544	1515	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B545	1516	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B546	1517	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B547	1518	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B548	1519	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B549	1520	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B550	1521	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B551	1522	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B552	1523	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B553	1524	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B554	1525	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B572	1557	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B573	1558	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B574	1559	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B575	1560	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B576	1561	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B577	1562	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B578	1563	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B579	1564	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B580	1565	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B581	1566	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B582	1567	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B583	1568	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B584	1569	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B585	1570	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B586	1571	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B587	1572	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B602	1601	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B603	1602	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B604	1603	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B605	1604	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B606	1605	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B607	1606	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B608	1607	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B609	1608	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B610	1609	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B611	1610	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B612	1611	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B613	1612	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B614	1613	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B615	1614	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B616	1615	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B617	1616	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B630	1643	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B631	1644	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B632	1645	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B633	1646	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B634	1647	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B635	1648	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B636	1649	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B637	1650	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B638	1651	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B639	1652	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B640	1653	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B641	1654	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B642	1655	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B643	1656	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B644	1657	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B645	1658	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B658	1685	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B659	1686	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B660	1687	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B661	1688	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B662	1689	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B663	1690	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B664	1691	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B665	1692	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B666	1693	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B667	1694	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B668	1695	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B669	1696	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B670	1697	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B671	1698	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B672	1699	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B673	1700	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B686	1727	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B687	1728	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B688	1729	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B689	1730	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B690	1731	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B691	1732	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B692	1733	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B693	1734	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B694	1735	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B695	1736	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B696	1737	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B697	1738	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B698	1739	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B699	1740	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B700	1741	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B701	1742	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B714	1769	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B715	1770	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B716	1771	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B717	1772	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B718	1773	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B719	1774	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B720	1775	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B721	1776	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B722	1777	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B723	1778	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B724	1779	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B725	1780	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B726	1781	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B727	1782	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B728	1783	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B729	1784	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B742	1811	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B743	1812	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B744	1813	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B745	1814	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B746	1815	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B747	1816	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B748	1817	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B749	1818	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B750	1819	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B751	1820	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B752	1821	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B753	1822	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B754	1823	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B755	1824	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B756	1825	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B757	1826	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B770	1854	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B771	1855	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B772	1856	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B773	1857	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B774	1858	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B775	1859	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B776	1860	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B777	1861	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B778	1862	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B779	1863	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B780	1864	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B781	1865	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B782	1866	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B783	1867	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B784	1868	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B785	1869	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B559	1932	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B560	1933	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B561	1934	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B590	1935	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B601	1936	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B797	1937	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B798	1938	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B799	1939	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B800	1940	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B801	1941	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B802	1942	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B803	1943	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B804	1944	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B805	1945	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B806	1946	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B807	1947	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B812	2004	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B813	2005	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B814	2006	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B815	2007	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B816	2008	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B817	2009	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B818	2010	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B819	2011	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B820	2012	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B821	2013	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B822	2014	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B823	2015	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B824	2016	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B825	2017	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B826	2018	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B827	2019	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B828	2045	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B829	2046	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B830	2047	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B831	2048	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B832	2049	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B833	2050	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B834	2051	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B835	2052	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B836	2053	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B837	2054	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B838	2055	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B839	2056	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B840	2057	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B841	2058	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B842	2059	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B843	2060	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B844	2087	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B845	2088	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B846	2089	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B847	2090	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B848	2091	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B849	2092	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B850	2093	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B851	2094	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B852	2095	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B853	2096	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B854	2097	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B855	2098	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B856	2099	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B857	2100	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B858	2101	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B859	2102	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B860	2129	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B861	2130	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B862	2131	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B863	2132	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B864	2133	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B865	2134	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B866	2135	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B867	2136	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B868	2137	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B869	2138	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B870	2139	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B871	2140	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B872	2141	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B873	2142	Viento	Force	Gravity	Relative	0	1	0	5.815	1.4	1.4
CUBIERTA ALTA	B874	2143	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B875	2144	Viento	Force	Gravity	Relative	0	1	0	5.685	1.4	1.4
CUBIERTA ALTA	B521	1432	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B522	1433	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B523	1434	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B524	1435	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B525	1436	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B526	1437	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B527	1438	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B528	1439	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B529	1440	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B530	1441	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B531	1442	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B532	1443	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B533	1444	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B534	1445	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B535	1446	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B536	1447	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B539	1510	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B540	1511	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B541	1512	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B542	1513	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B543	1514	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B544	1515	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B545	1516	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B546	1517	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B547	1518	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B548	1519	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B549	1520	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B550	1521	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B551	1522	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B552	1523	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B553	1524	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B554	1525	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B572	1557	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B573	1558	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B574	1559	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B575	1560	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B576	1561	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B577	1562	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B578	1563	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B579	1564	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B580	1565	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B581	1566	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B582	1567	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B583	1568	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B584	1569	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B585	1570	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B586	1571	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B587	1572	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B602	1601	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B603	1602	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B604	1603	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B605	1604	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B606	1605	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B607	1606	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B608	1607	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B609	1608	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B610	1609	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B611	1610	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B612	1611	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B613	1612	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B614	1613	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B615	1614	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B616	1615	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B617	1616	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B630	1643	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B631	1644	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B632	1645	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B633	1646	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B634	1647	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B635	1648	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B636	1649	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B637	1650	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B638	1651	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B639	1652	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B640	1653	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B641	1654	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B642	1655	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B643	1656	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B644	1657	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B645	1658	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B658	1685	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B659	1686	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B660	1687	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B661	1688	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B662	1689	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B663	1690	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B664	1691	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B665	1692	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B666	1693	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B667	1694	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B668	1695	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B669	1696	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B670	1697	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B671	1698	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B672	1699	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B673	1700	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B686	1727	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B687	1728	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B688	1729	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B689	1730	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B690	1731	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B691	1732	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B692	1733	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B693	1734	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B694	1735	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B695	1736	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B696	1737	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B697	1738	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B698	1739	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B699	1740	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B700	1741	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B701	1742	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B714	1769	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B715	1770	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B716	1771	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B717	1772	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B718	1773	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B719	1774	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B720	1775	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B721	1776	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B722	1777	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B723	1778	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B724	1779	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B725	1780	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B726	1781	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B727	1782	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B728	1783	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B729	1784	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B742	1811	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B743	1812	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B744	1813	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B745	1814	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B746	1815	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B747	1816	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B748	1817	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B749	1818	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B750	1819	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B751	1820	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B752	1821	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B753	1822	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B754	1823	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B755	1824	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B756	1825	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B757	1826	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B770	1854	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B771	1855	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B772	1856	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B773	1857	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B774	1858	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B775	1859	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B776	1860	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B777	1861	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B778	1862	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B779	1863	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B780	1864	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B781	1865	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B782	1866	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B783	1867	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B784	1868	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B785	1869	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B559	1932	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B560	1933	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B561	1934	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B590	1935	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B601	1936	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B797	1937	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B798	1938	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B799	1939	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B800	1940	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B801	1941	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B802	1942	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B803	1943	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B804	1944	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B805	1945	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B806	1946	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B807	1947	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B812	2004	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B813	2005	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B814	2006	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B815	2007	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B816	2008	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B817	2009	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B818	2010	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B819	2011	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B820	2012	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B821	2013	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B822	2014	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B823	2015	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B824	2016	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B825	2017	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B826	2018	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B827	2019	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B828	2045	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B829	2046	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B830	2047	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B831	2048	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B832	2049	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B833	2050	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B834	2051	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B835	2052	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B836	2053	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B837	2054	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B838	2055	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B839	2056	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B840	2057	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B841	2058	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B842	2059	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B843	2060	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B844	2087	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B845	2088	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B846	2089	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B847	2090	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B848	2091	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B849	2092	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B850	2093	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B851	2094	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B852	2095	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B853	2096	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B854	2097	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B855	2098	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B856	2099	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B857	2100	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B858	2101	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m	Force A kN/m	Force B kN/m
CUBIERTA ALTA	B859	2102	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B860	2129	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B861	2130	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B862	2131	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B863	2132	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B864	2133	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B865	2134	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B866	2135	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B867	2136	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B868	2137	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B869	2138	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B870	2139	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B871	2140	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B872	2141	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B873	2142	Granizo	Force	Gravity	Relative	0	1	0	5.815	0.6	0.6
CUBIERTA ALTA	B874	2143	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6
CUBIERTA ALTA	B875	2144	Granizo	Force	Gravity	Relative	0	1	0	5.685	0.6	0.6

3.3 Load Cases

Table 3.3 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
Viento	Linear Static
Granizo	Linear Static
SismoX	Linear Static
SismoY	Linear Static
EX	Response Spectrum
EY	Response Spectrum

3.4 Load Combinations

Table 3.4 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
Comb1	Linear Add	No	Dead	1.4	
Comb2	Linear Add	No	Dead	1.2	
Comb2			Live	1.6	
Comb2			Granizo	0.5	
Comb3	Linear Add	No	Dead	1.2	

Name	Type	Is Auto	Load Name	SF	Notes
Comb3			Live	1	
Comb3			Granizo	1.6	
Comb4	Linear Add	No	Dead	1.2	
Comb4			Granizo	1.6	
Comb4			Viento	0.5	
Comb5	Linear Add	No	Dead	1.2	
Comb5			Granizo	1.6	
Comb5			Viento	-0.5	
Comb6	Linear Add	No	Dead	1.2	
Comb6			Granizo	0.5	
Comb6			Viento	1	
Comb6			Live	1	
Comb7	Linear Add	No	Dead	1.2	
Comb7			Granizo	0.5	
Comb7			Viento	-1	
Comb7			Live	1	
Comb8	Linear Add	No	Dead	0.9	
Comb8			Viento	1	
Comb9	Linear Add	No	Dead	0.9	
Comb9			Viento	-1	
D+L	Linear Add	No	Dead	1	
D+L			Live	1	

4 Design Data

This chapter provides design data and results.

4.1 Steel Frame Design

Table 4.1 - Steel Frame Design Preferences - AISC 360-16

Item	Value
Multi-Response Design	Step-by-Step - All
Frame Type	SMF
Seismic Design Category	D
Importance Factor	1
Design System Rho	1
Design System Sds	0.5
Design System R	8
Design System Omega0	3
Design System Cd	5.5
Design Provision	LRFD
Analysis Method	Direct Analysis
Second Order Method	General 2nd Order
Stiffness Reduction Method	Tau-b Fixed
Add Notional Load Case	No
Beta Factor	1.3
Beta Omega Factor	1.6
Phi (Bending)	0.9
Phi (Compression)	0.9
Phi (Tension-Yielding)	0.9
Phi (Tension-Fracture)	0.75
Phi (Shear)	0.9
Phi (Shear-Short Webbed Rolled I)	1
Phi (Torsion)	0.9
Ignore Seismic Code?	Yes
Ignore Special Seismic Load?	Yes
Doubler Plate Plug-Welded?	Yes
HSS Welding Type	ERW
Reduced HSS Thickness	No
Consider Deflection?	Yes
DL Ratio	120
SDL+LL Ratio	120
LL Ratio	360
Total Ratio	240
Total Camber Limit	240
Pattern Live Load Factor	0.75
D/C Ratio Limit	0.95
Maximum Iterations	1

ANEXOS
DISEÑO ESTRUCTURAL

Bogotá, Febrero de 2022

Bogotá D. C. Febrero 28 de 2022

Señores:
CURADURIA URBANA ó DEPARTAMENTO DE PLANEACIÓN MUNICIPAL
La Ciudad

Yo, Ana Milena Olarte Arenas, Ingeniera Civil con Matrícula Profesional No. 25202-153270 de Cundinamarca, debidamente registrada en el Consejo Profesional de Ingeniería y Arquitectura de Cundinamarca, certifico que aprobé el diseño y calculo estructural para el proyecto **CENTRO COMERCIAL Y ECONOMICO , PLAZA DE MERCADO**, de acuerdo a los requerimientos de la NORMA COLOMBIANA DE DISEÑO y CONSTRUCCION SISMO RESISTENTE NSR-10 y el Decreto 092 de 2011, incluidos los títulos J y K, proyecto localizado en Carmen de Viboral - Antioquia .

El constructor responsable debe seguir a cabalidad los planos y cálculos estructurales entregados como soporte de este diseño, de lo contrario se hará responsable por los cambios ejecutados al mismo y los perjuicios que estos puedan ocasionar.

Cordialmente.



Válido para el proyecto: Plaza de Mercado Carmen de Viboral

María Carolina Escobar Solano
Ing. Civil – M.Eng Estructuras
UNAL
MP: 25202-153270 CND

PROYEKSA SAS INGENIERÍA ESTRUCTURAL	**CONSTRUCCIÓN DEL CENTRO COMERCIAL Y ECONÓMICO, PLAZA DE MERCADO CARMEN DE VIVORAL - ANTIOQUIA** **Diseño Estructural - DISEÑO PLACA DE CONTRAPISO**	COD: PYK.406.ME001 FECHA: FEB-18-2022

Dimensiones

B =	**1.00 m**
H =	**0.15 m**
L =	**3.00 m**
d´=	**0.03 m**
d=	**0.12 m**

Materiales

f´c=	**21,100 kN/m2**	3000 PSI
fy =	**420,000 kN/m2**	

Diseño

Refuerzo Minimo

ρmin =	0.0018	Cuantia por Fraguado y Temperatura NSR-10 C.7.12.2.1
As =	2.16 cm2	

Refuerzo Momento Superior

CM= 1.61 kN/m2 CV = 6.00 kN/m2

Mmax=	**13.0 kN*m**	1.2 CM + 1.6 CV
ρ =	0.0025	Cuantia por Momento Maximo
As =	2.94 cm2	

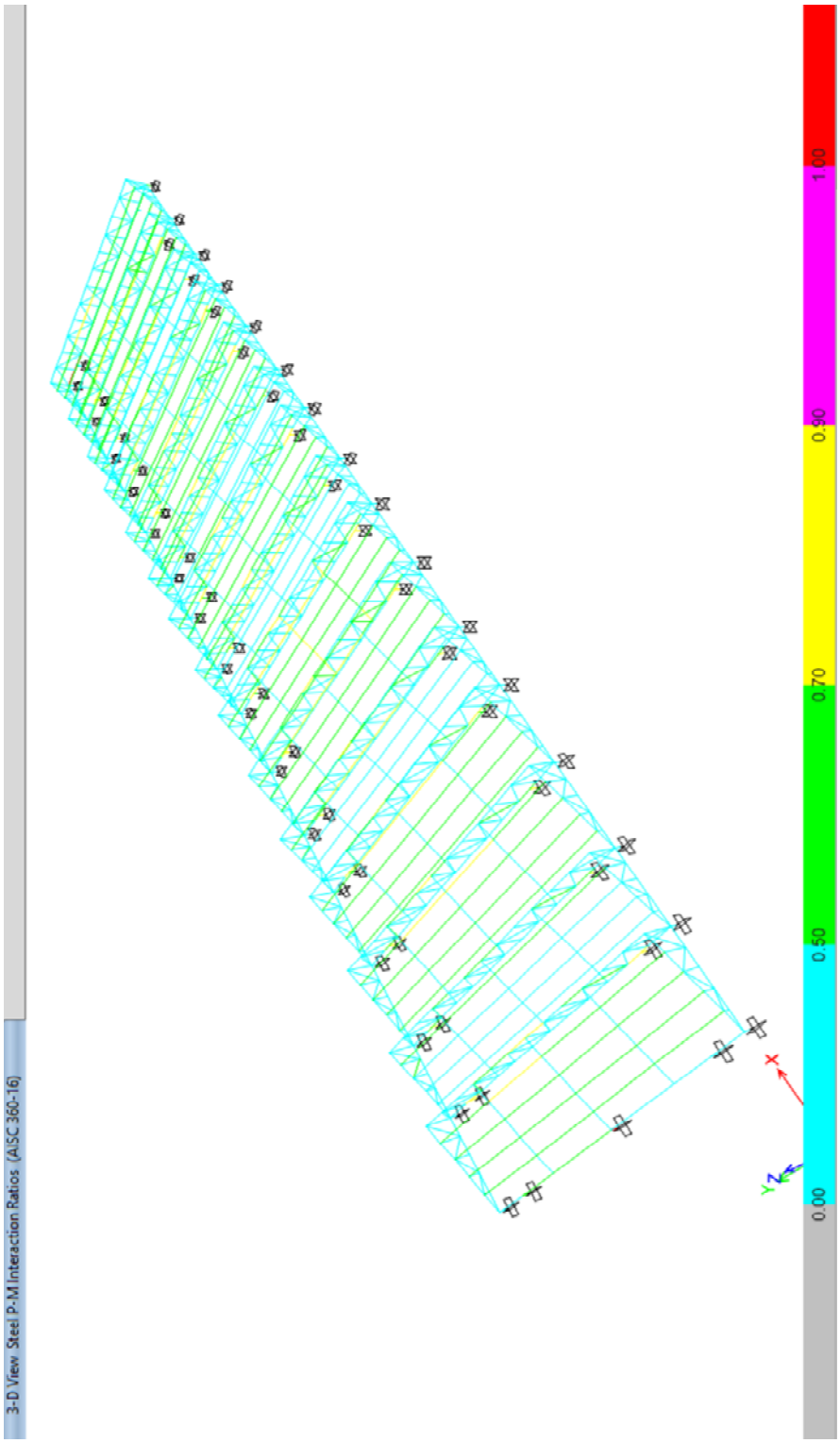
Refuerzo requerido

As/m = 2.94 cm2

M.E	S	A
#3	0.20 mm	3.55 cm2

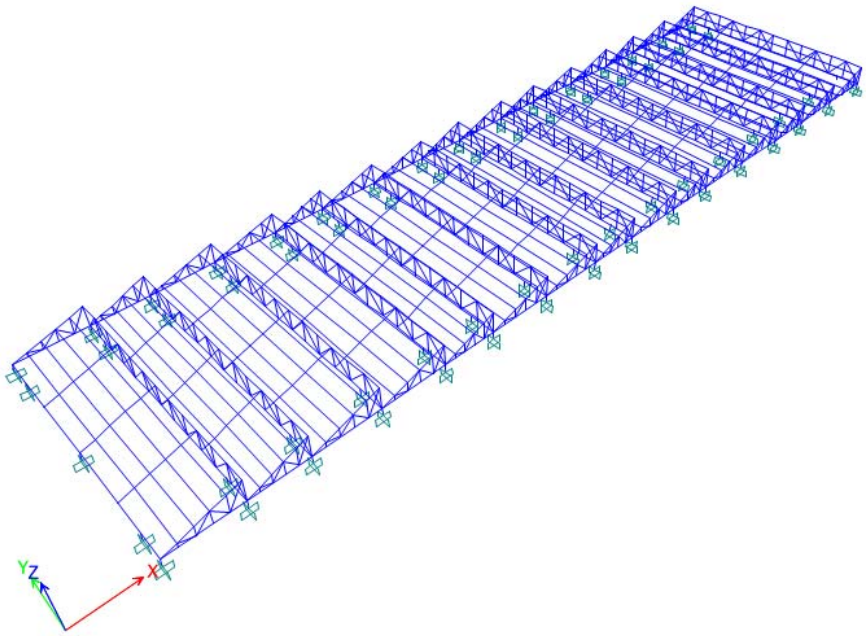
Modificaciones:

Ejecutó:	A.M.O.A
Revisó:	A.M.O.A
Apobó:	A.M.O.A



DISEÑO DE ELEMENTOS

ETABS® version 18



DISEÑO CUBIERTA

Model File: PYK 441 MODELO DE DISEÑO ETB18, Revision 0

1 Design Data

This chapter provides design data and results.

1.1 Steel Frame Design

Table 1.1 - Steel Frame Design Preferences - AISC 360-16

Item	Value
Multi-Response Design	Step-by-Step - All
Frame Type	SMF
Seismic Design Category	D
Importance Factor	1
Design System Rho	1
Design System Sds	0.5
Design System R	8
Design System Omega0	3
Design System Cd	5.5
Design Provision	LRFD
Analysis Method	Direct Analysis
Second Order Method	General 2nd Order
Stiffness Reduction Method	Tau-b Fixed
Add Notional Load Case	No
Beta Factor	1.3
Beta Omega Factor	1.6
Phi (Bending)	0.9
Phi (Compression)	0.9
Phi (Tension-Yielding)	0.9
Phi (Tension-Fracture)	0.75
Phi (Shear)	0.9
Phi (Shear-Short Webbed Rolled I)	1
Phi (Torsion)	0.9
Ignore Seismic Code?	Yes
Ignore Special Seismic Load?	Yes
Doubler Plate Plug-Welded?	Yes
HSS Welding Type	ERW
Reduced HSS Thickness	No
Consider Deflection?	Yes
DL Ratio	120
SDL+LL Ratio	120
LL Ratio	360
Total Ratio	240
Total Camber Limit	240
Pattern Live Load Factor	0.75
D/C Ratio Limit	0.95
Maximum Iterations	1

Table 1.3 - Steel Column Envelope - AISC 360-16

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
CUBIERTA$_{AL\ TA}$	C6	290	TUBO200x100X4	0.059 = 0.011 + 0.03 + 0.018	Comb6	0.002	0.003	Slender
CUBIERTA$_{AL\ TA}$	C7	375	TUBO200x100X4	0.044 = 0.006 + 0.017 + 0.021	Comb6	0.000316	0.001	Slender
CUBIERTA$_{AL\ TA}$	C10	428	TUBO200x100X4	0.066 = 0.011 + 0.017 + 0.039	Comb6	0.000396	0.005	Slender
CUBIERTA$_{AL\ TA}$	C12	481	TUBO200x100X4	0.051 = 0.011 + 0.024 + 0.016	Comb6	0.001	0.002	Slender
CUBIERTA$_{AL\ TA}$	C13	534	TUBO200x100X4	0.044 = 0.006 + 0.017 + 0.021	Comb6	0.0002336	0.001	Slender
CUBIERTA$_{AL\ TA}$	C16	587	TUBO200x100X4	0.066 = 0.011 + 0.017 + 0.038	Comb6	0.0003881	0.005	Slender
CUBIERTA$_{AL\ TA}$	C18	640	TUBO200x100X4	0.052 = 0.011 + 0.025 + 0.016	Comb6	0.001	0.002	Slender
CUBIERTA$_{AL\ TA}$	C20	979	TUBO200x100X4	0.045 = 0.006 + 0.018 + 0.022	Comb6	0.0002754	0.001	Slender
CUBIERTA$_{AL\ TA}$	C22	1032	TUBO200x100X4	0.053 = 0.011 + 0.025 + 0.016	Comb6	0.001	0.003	Slender
CUBIERTA$_{AL\ TA}$	C24	1085	TUBO200x100X4	0.044 = 0.006 + 0.017 + 0.021	Comb6	0.0002013	0.001	Slender
CUBIERTA$_{AL\ TA}$	C26	1138	TUBO200x100X4	0.066 = 0.011 + 0.017 + 0.039	Comb6	0.0004734	0.005	Slender
CUBIERTA$_{AL\ TA}$	C28	1191	TUBO200x100X4	0.052 = 0.011 + 0.025 + 0.016	Comb6	0.001	0.002	Slender
CUBIERTA$_{AL\ TA}$	C29	1244	TUBO200x100X4	0.044 = 0.006 + 0.017 + 0.021	Comb6	0.0001966	0.001	Slender
CUBIERTA$_{AL\ TA}$	C32	1297	TUBO200x100X4	0.071 = 0.011 + 0.019 + 0.04	Comb6	0.0001222	0.006	Slender
CUBIERTA$_{AL\ TA}$	C34	1350	TUBO200x100X4	0.071 = 0.011 + 0.04 + 0.021	Comb6	0.005	0.004	Slender
CUBIERTA$_{AL\ TA}$	C41	289	TUBO200x100X4	0.058 = 0.011 + 0.029 + 0.018	Comb6	0.002	0.003	Slender
CUBIERTA$_{AL\ TA}$	C43	374	TUBO200x100X4	0.044 = 0.006 + 0.017 + 0.021	Comb6	0.0003049	0.001	Slender
CUBIERTA$_{AL\ TA}$	C45	427	TUBO200x100X4	0.064 = 0.011 + 0.017 + 0.037	Comb6	0.00039	0.005	Slender
CUBIERTA$_{AL\ TA}$	C47	480	TUBO200x100X4	0.05 = 0.011 + 0.024 + 0.016	Comb6	0.001	0.002	Slender
CUBIERTA$_{AL\ TA}$	C49	533	TUBO200x100X4	0.043 = 0.006 + 0.017 + 0.021	Comb6	0.0002108	0.001	Slender
CUBIERTA$_{AL\ TA}$	C51	586	TUBO200x100X4	0.065 = 0.011 + 0.017 + 0.036	Comb6	0.0002204	0.005	Slender
CUBIERTA$_{AL\ TA}$	C53	639	TUBO200x100X4	0.053 = 0.011 + 0.027 + 0.016	Comb6	0.002	0.003	Slender
CUBIERTA$_{AL\ TA}$	C55	978	TUBO200x100X4	0.044 = 0.006 + 0.017 + 0.021	Comb6	0.0003114	0.001	Slender
CUBIERTA$_{AL\ TA}$	C57	1031	TUBO200x100X4	0.052 = 0.011 + 0.025 + 0.016	Comb6	0.001	0.003	Slender
CUBIERTA$_{AL\ TA}$	C59	1084	TUBO200x100X4	0.043 = 0.006 + 0.017 + 0.021	Comb6	0.0001894	0.001	Slender
CUBIERTA$_{AL\ TA}$	C61	1137	TUBO200x100X4	0.064 = 0.011 + 0.016 + 0.037	Comb6	0.0004703	0.005	Slender
CUBIERTA$_{AL\ TA}$	C63	1190	TUBO200x100X4	0.051 = 0.011 + 0.024 + 0.016	Comb6	0.001	0.002	Slender
CUBIERTA$_{AL\ TA}$	C65	1243	TUBO200x100X4	0.043 = 0.006 + 0.017 + 0.021	Comb6	0.0001937	0.001	Slender
CUBIERTA$_{AL\ TA}$	C67	1296	TUBO200x100X4	0.07 = 0.011 + 0.02 + 0.039	Comb6	0	0.005	Slender
CUBIERTA$_{AL\ TA}$	C69	1349	TUBO200x100X4	0.08 = 0.012 + 0.035 + 0.034	Comb6	0.008	0.003	Slender
CUBIERTA$_{AL\ TA}$	C75	291	TUBO200x100X4	0.411 = 0.026 + 0.384 + 0.002	Comb6	0.017	0.000301	Slender
CUBIERTA$_{AL\ TA}$	C76	376	TUBO200x100X4	0.438 = 0.029 + 0.407 + 0.002	Comb6	0.014	0.0003098	Slender
CUBIERTA$_{AL\ TA}$	C77	429	TUBO200x100X4	0.491 = 0.03 + 0.46 + 0.001	Comb6	0.014	0.000177	Slender

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
CUBIERTA$_{AL TA}$	C78	482	TUBO200x100X4	0.423 = 0.029 + 0.393 + 0.001	Comb6	0.011	0.0002718	Slender
CUBIERTA$_{AL TA}$	C79	535	TUBO200x100X4	0.401 = 0.029 + 0.37 + 0.002	Comb6	0.008	0.0003002	Slender
CUBIERTA$_{AL TA}$	C80	588	TUBO200x100X4	0.505 = 0.031 + 0.473 + 0.001	Comb6	0.01	0.0002082	Slender
CUBIERTA$_{AL TA}$	C81	641	TUBO200x100X4	0.474 = 0.029 + 0.444 + 0.002	Comb6	0.013	0.000335	Slender
CUBIERTA$_{AL TA}$	C83	1033	TUBO200x100X4	0.417 = 0.03 + 0.386 + 0.001	Comb6	0.009	0.0002697	Slender
CUBIERTA$_{AL TA}$	C84	1086	TUBO200x100X4	0.395 = 0.029 + 0.363 + 0.002	Comb6	0.006	0.0002981	Slender
CUBIERTA$_{AL TA}$	C85	1139	TUBO200x100X4	0.465 = 0.03 + 0.434 + 0.001	Comb6	0.009	0.0001616	Slender
CUBIERTA$_{AL TA}$	C86	1192	TUBO200x100X4	0.405 = 0.029 + 0.375 + 0.001	Comb6	0.008	0.0002407	Slender
CUBIERTA$_{AL TA}$	C87	1245	TUBO200x100X4	0.392 = 0.029 + 0.361 + 0.002	Comb6	0.006	0.0002389	Slender
CUBIERTA$_{AL TA}$	C88	1298	TUBO200x100X4	0.499 = 0.03 + 0.468 + 0.001	Comb6	0.009	0	Slender
CUBIERTA$_{AL TA}$	C89	1351	TUBO200x100X4	0.106 = 0.024 + 0.067 + 0.016	Comb6	0.005	0.003	Slender
CUBIERTA$_{AL TA}$	C91	348	TUBO200x100X4	0.273 = 0.092 + 0.028 + 0.152	Comb6	0.0001947	0.017	Slender
CUBIERTA$_{AL TA}$	C92	349	TUBO200x100X4	0.276 = 0.003 + 0.091 + 0.182	Comb6	0.0001733	0.024	Slender
CUBIERTA$_{AL TA}$	C101	350	TUBO200x100X4	0.477 = 0.032 + 0.415 + 0.03	Comb6	0.004	0.006	Slender
CUBIERTA$_{AL TA}$	C102	351	TUBO200x100X4	0.123 = 0.001 + 0.105 + 0.018	Comb6	0.001	0.003	Slender
CUBIERTA$_{AL TA}$	C103	352	TUBO200x100X4	0.115 = 0.002 + 0.093 + 0.02	Comb6	0.002	0.005	Slender
CUBIERTA$_{AL TA}$	C104	353	TUBO200x100X4	0.113 = 0.002 + 0.092 + 0.019	Comb6	0.002	0.004	Slender
CUBIERTA$_{AL TA}$	C105	354	TUBO200x100X4	0.124 = 0.001 + 0.107 + 0.016	Comb6	0.001	0.003	Slender
CUBIERTA$_{AL TA}$	C106	355	TUBO200x100X4	0.496 = 0.033 + 0.433 + 0.03	Comb6	0.004	0.006	Slender
CUBIERTA$_{AL TA}$	C107	356	TUBO200x100X4	0.277 = 0.002 + 0.095 + 0.18	Comb6	0	0.024	Slender
CUBIERTA$_{AL TA}$	C108	357	TUBO200x100X4	0.282 = 0.097 + 0.03 + 0.156	Comb6	0	0.018	Slender
CUBIERTA$_{AL TA}$	C109	401	TUBO200x100X4	0.243 = 0.093 + 0.003 + 0.147	Comb6	0.002	0.017	Slender
CUBIERTA$_{AL TA}$	C110	402	TUBO200x100X4	0.242 = 0.003 + 0.062 + 0.177	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL TA}$	C111	403	TUBO200x100X4	0.43 = 0.031 + 0.372 + 0.027	Comb6	0.007	0.005	Slender
CUBIERTA$_{AL TA}$	C112	404	TUBO200x100X4	0.11 = 0.001 + 0.09 + 0.02	Comb6	0.0001296	0.003	Slender
CUBIERTA$_{AL TA}$	C113	405	TUBO200x100X4	0.117 = 0.002 + 0.094 + 0.021	Comb6	0.001	0.005	Slender
CUBIERTA$_{AL TA}$	C114	406	TUBO200x100X4	0.116 = 0.002 + 0.093 + 0.021	Comb6	0.001	0.005	Slender
CUBIERTA$_{AL TA}$	C115	407	TUBO200x100X4	0.109 = 0.001 + 0.09 + 0.018	Comb6	0.0001044	0.003	Slender
CUBIERTA$_{AL TA}$	C116	408	TUBO200x100X4	0.439 = 0.031 + 0.382 + 0.027	Comb6	0.007	0.005	Slender
CUBIERTA$_{AL TA}$	C117	409	TUBO200x100X4	0.24 = 0.002 + 0.063 + 0.175	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL TA}$	C118	410	TUBO200x100X4	0.251 = 0.097 + 0.004 + 0.15	Comb6	0.002	0.017	Slender
CUBIERTA$_{AL TA}$	C119	454	TUBO200x100X4	0.252 = 0.093 + 0.014 + 0.145	Comb6	0.0004715	0.016	Slender
CUBIERTA$_{AL TA}$	C120	455	TUBO200x100X4	0.259 = 0.003 + 0.078 + 0.178	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL TA}$	C121	456	TUBO200x100X4	0.473 = 0.032 + 0.413 + 0.028	Comb6	0.007	0.006	Slender
CUBIERTA$_{AL}$	C122	457	TUBO200x1	0.123 = 0.001 + 0.102 +	Comb6	0	0.003	Slender

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
TA			00X4	0.02				
CUBIERTA_AL TA	C123	458	TUBO200x100X4	0.131 = 0.002 + 0.107 + 0.022	Comb6	0.0004956	0.005	Slender
CUBIERTA_AL TA	C124	459	TUBO200x100X4	0.129 = 0.002 + 0.106 + 0.021	Comb6	0.0004954	0.005	Slender
CUBIERTA_AL TA	C125	460	TUBO200x100X4	0.121 = 0.001 + 0.102 + 0.019	Comb6	0	0.003	Slender
CUBIERTA_AL TA	C126	461	TUBO200x100X4	0.483 = 0.032 + 0.424 + 0.028	Comb6	0.007	0.006	Slender
CUBIERTA_AL TA	C127	462	TUBO200x100X4	0.258 = 0.003 + 0.079 + 0.176	Comb6	0.001	0.023	Slender
CUBIERTA_AL TA	C128	463	TUBO200x100X4	0.259 = 0.097 + 0.015 + 0.148	Comb6	0.0004328	0.017	Slender
CUBIERTA_AL TA	C129	507	TUBO200x100X4	0.254 = 0.09 + 0.015 + 0.149	Comb6	0.001	0.017	Slender
CUBIERTA_AL TA	C130	508	TUBO200x100X4	0.249 = 0.003 + 0.069 + 0.177	Comb6	0.001	0.023	Slender
CUBIERTA_AL TA	C131	509	TUBO200x100X4	0.417 = 0.032 + 0.358 + 0.026	Comb6	0.005	0.005	Slender
CUBIERTA_AL TA	C132	510	TUBO200x100X4	0.11 = 0.001 + 0.089 + 0.02	Comb6	0	0.003	Slender
CUBIERTA_AL TA	C133	511	TUBO200x100X4	0.117 = 0.002 + 0.089 + 0.027	Comb6	0.0002215	0.005	Slender
CUBIERTA_AL TA	C134	512	TUBO200x100X4	0.115 = 0.002 + 0.088 + 0.026	Comb6	0.0001917	0.005	Slender
CUBIERTA_AL TA	C135	513	TUBO200x100X4	0.109 = 0.001 + 0.09 + 0.018	Comb6	0	0.003	Slender
CUBIERTA_AL TA	C136	514	TUBO200x100X4	0.426 = 0.032 + 0.367 + 0.026	Comb6	0.004	0.005	Slender
CUBIERTA_AL TA	C137	515	TUBO200x100X4	0.247 = 0.003 + 0.07 + 0.174	Comb6	0.001	0.023	Slender
CUBIERTA_AL TA	C138	516	TUBO200x100X4	0.261 = 0.094 + 0.015 + 0.152	Comb6	0.001	0.017	Slender
CUBIERTA_AL TA	C139	560	TUBO200x100X4	0.241 = 0.093 + 0.002 + 0.147	Comb6	0.002	0.017	Slender
CUBIERTA_AL TA	C140	561	TUBO200x100X4	0.243 = 0.003 + 0.063 + 0.178	Comb6	0.001	0.023	Slender
CUBIERTA_AL TA	C141	562	TUBO200x100X4	0.431 = 0.031 + 0.375 + 0.026	Comb6	0.008	0.005	Slender
CUBIERTA_AL TA	C142	563	TUBO200x100X4	0.11 = 0.001 + 0.089 + 0.02	Comb6	0.0001409	0.003	Slender
CUBIERTA_AL TA	C143	564	TUBO200x100X4	0.116 = 0.002 + 0.087 + 0.027	Comb6	0.0002615	0.005	Slender
CUBIERTA_AL TA	C144	565	TUBO200x100X4	0.113 = 0.002 + 0.086 + 0.025	Comb6	0.0002801	0.005	Slender
CUBIERTA_AL TA	C145	566	TUBO200x100X4	0.109 = 0.001 + 0.09 + 0.018	Comb6	0	0.003	Slender
CUBIERTA_AL TA	C146	567	TUBO200x100X4	0.44 = 0.031 + 0.383 + 0.026	Comb6	0.007	0.005	Slender
CUBIERTA_AL TA	C147	568	TUBO200x100X4	0.242 = 0.002 + 0.065 + 0.175	Comb6	0.001	0.023	Slender
CUBIERTA_AL TA	C148	569	TUBO200x100X4	0.249 = 0.097 + 0.002 + 0.15	Comb6	0.002	0.017	Slender
CUBIERTA_AL TA	C149	613	TUBO200x100X4	0.251 = 0.092 + 0.014 + 0.145	Comb6	0.0001893	0.016	Slender
CUBIERTA_AL TA	C150	614	TUBO200x100X4	0.267 = 0.003 + 0.086 + 0.178	Comb6	0.0001437	0.023	Slender
CUBIERTA_AL TA	C151	615	TUBO200x100X4	0.527 = 0.031 + 0.47 + 0.026	Comb6	0.01	0.005	Slender
CUBIERTA_AL TA	C152	616	TUBO200x100X4	0.131 = 0.001 + 0.11 + 0.021	Comb6	0.0001368	0.003	Slender
CUBIERTA_AL TA	C153	617	TUBO200x100X4	0.141 = 0.002 + 0.111 + 0.028	Comb6	0.0002809	0.005	Slender
CUBIERTA_AL TA	C154	618	TUBO200x100X4	0.136 = 0.002 + 0.108 + 0.026	Comb6	0.0002866	0.005	Slender
CUBIERTA_AL TA	C155	619	TUBO200x100X4	0.124 = 0.001 + 0.105 + 0.019	Comb6	0.0001194	0.003	Slender
CUBIERTA_AL TA	C156	620	TUBO200x100X4	0.483 = 0.032 + 0.425 + 0.026	Comb6	0.006	0.005	Slender

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
CUBIERTA$_{AL\ TA}$	C157	621	TUBO200x100X4	0.259 = 0.003 + 0.081 + 0.175	Comb6	0.0003605	0.023	Slender
CUBIERTA$_{AL\ TA}$	C158	622	TUBO200x100X4	0.26 = 0.097 + 0.016 + 0.147	Comb6	0.000221	0.017	Slender
CUBIERTA$_{AL\ TA}$	C159	873	TUBO200x100X4	0.261 = 0.089 + 0.023 + 0.149	Comb6	0.0003643	0.017	Slender
CUBIERTA$_{AL\ TA}$	C160	890	TUBO200x100X4	0.26 = 0.003 + 0.08 + 0.177	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL\ TA}$	C161	954	TUBO200x100X4	0.444 = 0.032 + 0.386 + 0.026	Comb6	0.004	0.005	Slender
CUBIERTA$_{AL\ TA}$	C162	955	TUBO200x100X4	0.119 = 0.001 + 0.099 + 0.02	Comb6	0.0001025	0.003	Slender
CUBIERTA$_{AL\ TA}$	C163	956	TUBO200x100X4	0.131 = 0.002 + 0.103 + 0.027	Comb6	0	0.005	Slender
CUBIERTA$_{AL\ TA}$	C164	957	TUBO200x100X4	0.128 = 0.002 + 0.101 + 0.026	Comb6	0.0001838	0.005	Slender
CUBIERTA$_{AL\ TA}$	C165	958	TUBO200x100X4	0.111 = 2.882E-04 + 0.094 + 0.017	Comb6	0.0001949	0.003	Slender
CUBIERTA$_{AL\ TA}$	C166	959	TUBO200x100X4	0.435 = 0.032 + 0.378 + 0.025	Comb6	0.006	0.005	Slender
CUBIERTA$_{AL\ TA}$	C167	960	TUBO200x100X4	0.25 = 0.003 + 0.072 + 0.174	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL\ TA}$	C168	961	TUBO200x100X4	0.263 = 0.094 + 0.017 + 0.152	Comb6	0.001	0.017	Slender
CUBIERTA$_{AL\ TA}$	C169	980	TUBO200x100X4	0.399 = 0.029 + 0.369 + 0.002	Comb6	0.007	0.0003084	Slender
CUBIERTA$_{AL\ TA}$	C170	1005	TUBO200x100X4	0.243 = 0.093 + 0.002 + 0.148	Comb6	0.002	0.017	Slender
CUBIERTA$_{AL\ TA}$	C171	1006	TUBO200x100X4	0.245 = 0.003 + 0.063 + 0.179	Comb6	0.001	0.024	Slender
CUBIERTA$_{AL\ TA}$	C172	1007	TUBO200x100X4	0.433 = 0.031 + 0.377 + 0.025	Comb6	0.007	0.005	Slender
CUBIERTA$_{AL\ TA}$	C173	1008	TUBO200x100X4	0.111 = 0.001 + 0.09 + 0.02	Comb6	0	0.003	Slender
CUBIERTA$_{AL\ TA}$	C174	1009	TUBO200x100X4	0.117 = 0.002 + 0.089 + 0.027	Comb6	0.000199	0.005	Slender
CUBIERTA$_{AL\ TA}$	C175	1010	TUBO200x100X4	0.115 = 0.002 + 0.088 + 0.025	Comb6	0.0002477	0.005	Slender
CUBIERTA$_{AL\ TA}$	C176	1011	TUBO200x100X4	0.11 = 0.001 + 0.091 + 0.018	Comb6	0	0.003	Slender
CUBIERTA$_{AL\ TA}$	C177	1012	TUBO200x100X4	0.447 = 0.031 + 0.391 + 0.025	Comb6	0.008	0.005	Slender
CUBIERTA$_{AL\ TA}$	C178	1013	TUBO200x100X4	0.245 = 0.002 + 0.066 + 0.176	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL\ TA}$	C179	1014	TUBO200x100X4	0.25 = 0.098 + 0.002 + 0.151	Comb6	0.002	0.017	Slender
CUBIERTA$_{AL\ TA}$	C180	1058	TUBO200x100X4	0.258 = 0.09 + 0.017 + 0.15	Comb6	0.001	0.017	Slender
CUBIERTA$_{AL\ TA}$	C181	1059	TUBO200x100X4	0.253 = 0.003 + 0.071 + 0.178	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL\ TA}$	C182	1060	TUBO200x100X4	0.422 = 0.032 + 0.364 + 0.026	Comb6	0.005	0.005	Slender
CUBIERTA$_{AL\ TA}$	C183	1061	TUBO200x100X4	0.111 = 0.001 + 0.091 + 0.02	Comb6	0	0.003	Slender
CUBIERTA$_{AL\ TA}$	C184	1062	TUBO200x100X4	0.121 = 0.002 + 0.092 + 0.027	Comb6	0	0.005	Slender
CUBIERTA$_{AL\ TA}$	C185	1063	TUBO200x100X4	0.119 = 0.002 + 0.092 + 0.026	Comb6	0	0.005	Slender
CUBIERTA$_{AL\ TA}$	C186	1064	TUBO200x100X4	0.11 = 0.001 + 0.091 + 0.018	Comb6	0	0.003	Slender
CUBIERTA$_{AL\ TA}$	C187	1065	TUBO200x100X4	0.433 = 0.032 + 0.375 + 0.026	Comb6	0.005	0.005	Slender
CUBIERTA$_{AL\ TA}$	C188	1066	TUBO200x100X4	0.251 = 0.003 + 0.073 + 0.176	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL\ TA}$	C189	1067	TUBO200x100X4	0.266 = 0.095 + 0.018 + 0.153	Comb6	0.001	0.017	Slender
CUBIERTA$_{AL\ TA}$	C190	1111	TUBO200x100X4	0.241 = 0.093 + 0.001 + 0.147	Comb6	0.002	0.017	Slender
CUBIERTA$_{AL}$	C191	1112	TUBO200x1	0.246 = 0.003 + 0.064 +	Comb6	0.001	0.023	Slender

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
TA			00X4	0.178				
CUBIERTAAL TA	C192	1113	TUBO200x100X4	0.435 = 0.031 + 0.379 + 0.025	Comb6	0.008	0.005	Slender
CUBIERTAAL TA	C193	1114	TUBO200x100X4	0.111 = 0.001 + 0.09 + 0.02	Comb6	0	0.003	Slender
CUBIERTAAL TA	C194	1115	TUBO200x100X4	0.117 = 0.002 + 0.089 + 0.027	Comb6	0.0001138	0.005	Slender
CUBIERTAAL TA	C195	1116	TUBO200x100X4	0.115 = 0.002 + 0.088 + 0.025	Comb6	0.0001443	0.005	Slender
CUBIERTAAL TA	C196	1117	TUBO200x100X4	0.109 = 0.001 + 0.09 + 0.018	Comb6	0	0.003	Slender
CUBIERTAAL TA	C197	1118	TUBO200x100X4	0.442 = 0.031 + 0.386 + 0.025	Comb6	0.007	0.005	Slender
CUBIERTAAL TA	C198	1119	TUBO200x100X4	0.244 = 0.002 + 0.066 + 0.176	Comb6	0.001	0.023	Slender
CUBIERTAAL TA	C199	1120	TUBO200x100X4	0.249 = 0.098 + 0.001 + 0.15	Comb6	0.002	0.017	Slender
CUBIERTAAL TA	C200	1164	TUBO200x100X4	0.254 = 0.093 + 0.016 + 0.145	Comb6	0.0002345	0.016	Slender
CUBIERTAAL TA	C201	1165	TUBO200x100X4	0.261 = 0.003 + 0.079 + 0.179	Comb6	0.0003468	0.023	Slender
CUBIERTAAL TA	C202	1166	TUBO200x100X4	0.477 = 0.032 + 0.419 + 0.027	Comb6	0.007	0.005	Slender
CUBIERTAAL TA	C203	1167	TUBO200x100X4	0.123 = 0.001 + 0.102 + 0.021	Comb6	0	0.003	Slender
CUBIERTAAL TA	C204	1168	TUBO200x100X4	0.134 = 0.002 + 0.104 + 0.028	Comb6	0	0.005	Slender
CUBIERTAAL TA	C205	1169	TUBO200x100X4	0.131 = 0.002 + 0.103 + 0.026	Comb6	0	0.005	Slender
CUBIERTAAL TA	C206	1170	TUBO200x100X4	0.121 = 0.001 + 0.102 + 0.019	Comb6	0	0.003	Slender
CUBIERTAAL TA	C207	1171	TUBO200x100X4	0.482 = 0.032 + 0.424 + 0.026	Comb6	0.007	0.005	Slender
CUBIERTAAL TA	C208	1172	TUBO200x100X4	0.259 = 0.003 + 0.081 + 0.176	Comb6	0.0003325	0.023	Slender
CUBIERTAAL TA	C209	1173	TUBO200x100X4	0.262 = 0.097 + 0.017 + 0.148	Comb6	0.0001028	0.017	Slender
CUBIERTAAL TA	C210	1217	TUBO200x100X4	0.255 = 0.09 + 0.016 + 0.149	Comb6	0.001	0.017	Slender
CUBIERTAAL TA	C211	1218	TUBO200x100X4	0.25 = 0.003 + 0.07 + 0.177	Comb6	0.001	0.023	Slender
CUBIERTAAL TA	C212	1219	TUBO200x100X4	0.421 = 0.032 + 0.364 + 0.026	Comb6	0.005	0.005	Slender
CUBIERTAAL TA	C213	1220	TUBO200x100X4	0.11 = 0.001 + 0.09 + 0.02	Comb6	0	0.003	Slender
CUBIERTAAL TA	C214	1221	TUBO200x100X4	0.119 = 0.002 + 0.091 + 0.027	Comb6	0	0.005	Slender
CUBIERTAAL TA	C215	1222	TUBO200x100X4	0.117 = 0.002 + 0.09 + 0.026	Comb6	0.0001218	0.005	Slender
CUBIERTAAL TA	C216	1223	TUBO200x100X4	0.108 = 0.001 + 0.089 + 0.018	Comb6	0.0001354	0.003	Slender
CUBIERTAAL TA	C217	1224	TUBO200x100X4	0.421 = 0.032 + 0.363 + 0.025	Comb6	0.004	0.005	Slender
CUBIERTAAL TA	C218	1225	TUBO200x100X4	0.249 = 0.003 + 0.071 + 0.175	Comb6	0.001	0.023	Slender
CUBIERTAAL TA	C219	1226	TUBO200x100X4	0.264 = 0.094 + 0.018 + 0.152	Comb6	0.0004524	0.017	Slender
CUBIERTAAL TA	C220	1270	TUBO200x100X4	0.24 = 0.093 + 0.001 + 0.147	Comb6	0.002	0.017	Slender
CUBIERTAAL TA	C221	1271	TUBO200x100X4	0.245 = 0.003 + 0.064 + 0.178	Comb6	0.001	0.023	Slender
CUBIERTAAL TA	C222	1272	TUBO200x100X4	0.439 = 0.031 + 0.384 + 0.025	Comb6	0.009	0.005	Slender
CUBIERTAAL TA	C223	1273	TUBO200x100X4	0.111 = 0.001 + 0.09 + 0.02	Comb6	0.0002313	0.003	Slender
CUBIERTAAL TA	C224	1274	TUBO200x100X4	0.117 = 0.002 + 0.088 + 0.027	Comb6	0.0001038	0.005	Slender
CUBIERTAAL TA	C225	1275	TUBO200x100X4	0.114 = 0.002 + 0.087 + 0.025	Comb6	0.0001197	0.005	Slender

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
CUBIERTA$_{AL TA}$	C226	1276	TUBO200x100X4	0.108 = 2.542E-04 + 0.09 + 0.017	Comb6	0.0001813	0.003	Slender
CUBIERTA$_{AL TA}$	C227	1277	TUBO200x100X4	0.426 = 0.031 + 0.37 + 0.025	Comb6	0.005	0.005	Slender
CUBIERTA$_{AL TA}$	C228	1278	TUBO200x100X4	0.243 = 0.002 + 0.065 + 0.175	Comb6	0.001	0.023	Slender
CUBIERTA$_{AL TA}$	C229	1279	TUBO200x100X4	0.248 = 0.097 + 0.001 + 0.15	Comb6	0.001	0.017	Slender
CUBIERTA$_{AL TA}$	C230	1323	TUBO200x100X4	0.265 = 0.097 + 0.015 + 0.152	Comb6	0.0001783	0.017	Slender
CUBIERTA$_{AL TA}$	C231	1324	TUBO200x100X4	0.276 = 0.003 + 0.085 + 0.188	Comb6	0.0001224	0.025	Slender
CUBIERTA$_{AL TA}$	C232	1325	TUBO200x100X4	0.532 = 0.034 + 0.471 + 0.027	Comb6	0.011	0.005	Slender
CUBIERTA$_{AL TA}$	C233	1326	TUBO200x100X4	0.133 = 0.001 + 0.111 + 0.022	Comb6	0.0001766	0.004	Slender
CUBIERTA$_{AL TA}$	C234	1327	TUBO200x100X4	0.143 = 0.002 + 0.112 + 0.029	Comb6	0.0001372	0.005	Slender
CUBIERTA$_{AL TA}$	C235	1328	TUBO200x100X4	0.14 = 0.002 + 0.11 + 0.028	Comb6	0.0001367	0.005	Slender
CUBIERTA$_{AL TA}$	C236	1329	TUBO200x100X4	0.13 = 2.746E-04 + 0.11 + 0.019	Comb6	0.0004578	0.003	Slender
CUBIERTA$_{AL TA}$	C237	1330	TUBO200x100X4	0.487 = 0.034 + 0.426 + 0.026	Comb6	0.004	0.005	Slender
CUBIERTA$_{AL TA}$	C238	1331	TUBO200x100X4	0.271 = 0.003 + 0.084 + 0.184	Comb6	0.0002064	0.024	Slender
CUBIERTA$_{AL TA}$	C239	1332	TUBO200x100X4	0.358 = 0.203 + 0.017 + 0.138	Comb6	0.001	0.017	Slender
CUBIERTA$_{AL TA}$	C241	1376	TUBO200x100X4	0.06 = 0.004 + 0.008 + 0.048	Comb6	0.002	0.007	Slender
CUBIERTA$_{AL TA}$	C242	1377	TUBO200x100X4	0.048 = 0.001 + 0.018 + 0.029	Comb6	0.000376	0.005	Slender
CUBIERTA$_{AL TA}$	C243	1378	TUBO200x100X4	0.125 = 1.795E-04 + 0.112 + 0.013	Comb6	0.008	0.003	Slender
CUBIERTA$_{AL TA}$	C244	1379	TUBO200x100X4	0.023 = 3.742E-04 + 0.022 + 1.315E-04	Comb6	0.001	0.0003549	Slender
CUBIERTA$_{AL TA}$	C245	1380	TUBO200x100X4	0.056 = 0.004 + 0.022 + 0.03	Comb6	0.002	0.006	Slender
CUBIERTA$_{AL TA}$	C246	1381	TUBO200x100X4	0.044 = 0.002 + 0.021 + 0.021	Comb6	0.001	0.004	Slender
CUBIERTA$_{AL TA}$	C247	1382	TUBO200x100X4	0.048 = 0.001 + 0.031 + 0.017	Comb6	0.001	0.003	Slender
CUBIERTA$_{AL TA}$	C248	1383	TUBO200x100X4	0.201 = 0.004 + 0.18 + 0.017	Comb6	0.015	0.003	Slender
CUBIERTA$_{AL TA}$	C249	1384	TUBO200x100X4	0.128 = 0.002 + 0.023 + 0.103	Comb6	0.003	0.013	Slender
CUBIERTA$_{AL TA}$	C250	1385	TUBO200x100X4	0.188 = 0.061 + 0.029 + 0.098	Comb6	0.001	0.011	Slender
CUBIERTA$_{AL TA}$	C251	1448	TUBO70X70	0.124 = 0.015 + 0.073 + 0.036	Comb6	0.028	0.005	Non-Compact
CUBIERTA$_{AL TA}$	C255	1449	TUBO70X70	0.073 = 0.025 + 0.027 + 0.021	Comb6	0.008	0.002	Non-Compact
CUBIERTA$_{AL TA}$	C256	1450	TUBO70X70	0.058 = 0.008 + 0.027 + 0.024	Comb6	0.004	0.003	Non-Compact
CUBIERTA$_{AL TA}$	C257	1452	TUBO70X70	0.09 = 0.023 + 0.047 + 0.02	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL TA}$	C258	1502	TUBO70X70	0.126 = 0.015 + 0.075 + 0.036	Comb6	0.029	0.005	Non-Compact
CUBIERTA$_{AL TA}$	C259	1503	TUBO70X70	0.075 = 0.026 + 0.027 + 0.021	Comb6	0.008	0.002	Non-Compact
CUBIERTA$_{AL TA}$	C260	1504	TUBO70X70	0.06 = 0.008 + 0.027 + 0.024	Comb6	0.004	0.003	Non-Compact
CUBIERTA$_{AL TA}$	C261	1505	TUBO70X70	0.092 = 0.023 + 0.048 + 0.02	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL TA}$	C262	1526	TUBO70X70	0.12 = 0.016 + 0.079 + 0.025	Comb6	0.031	0.002	Non-Compact
CUBIERTA$_{AL TA}$	C263	1527	TUBO70X70	0.072 = 0.025 + 0.024 + 0.023	Comb6	0.007	0.003	Non-Compact
CUBIERTA$_{AL}$	C264	1528	TUBO70X7	0.057 = 0.008 + 0.025 +	Comb6	0.004	0.002	Non-

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
TA			0	0.025				Compact
CUBIERTA AL TA	C265	1529	TUBO70X70	0.082 = 0.022 + 0.034 + 0.026	Comb6	0.004	0.002	Non-Compact
CUBIERTA AL TA	C266	1534	TUBO70X70	0.122 = 0.016 + 0.081 + 0.025	Comb6	0.031	0.002	Non-Compact
CUBIERTA AL TA	C267	1535	TUBO70X70	0.073 = 0.025 + 0.025 + 0.023	Comb6	0.007	0.003	Non-Compact
CUBIERTA AL TA	C268	1536	TUBO70X70	0.058 = 0.008 + 0.026 + 0.025	Comb6	0.004	0.002	Non-Compact
CUBIERTA AL TA	C269	1537	TUBO70X70	0.084 = 0.023 + 0.035 + 0.026	Comb6	0.004	0.002	Non-Compact
CUBIERTA AL TA	C270	1573	TUBO70X70	0.137 = 0.016 + 0.081 + 0.041	Comb6	0.031	0.007	Non-Compact
CUBIERTA AL TA	C271	1574	TUBO70X70	0.073 = 0.025 + 0.024 + 0.024	Comb6	0.007	0.003	Non-Compact
CUBIERTA AL TA	C272	1575	TUBO70X70	0.064 = 0.007 + 0.025 + 0.031	Comb6	0.004	0.004	Non-Compact
CUBIERTA AL TA	C273	1576	TUBO70X70	0.097 = 0.022 + 0.046 + 0.029	Comb6	0.004	0.003	Non-Compact
CUBIERTA AL TA	C274	1581	TUBO70X70	0.14 = 0.016 + 0.082 + 0.041	Comb6	0.032	0.007	Non-Compact
CUBIERTA AL TA	C275	1582	TUBO70X70	0.074 = 0.025 + 0.024 + 0.025	Comb6	0.007	0.003	Non-Compact
CUBIERTA AL TA	C276	1583	TUBO70X70	0.065 = 0.008 + 0.026 + 0.032	Comb6	0.004	0.004	Non-Compact
CUBIERTA AL TA	C277	1584	TUBO70X70	0.099 = 0.023 + 0.046 + 0.03	Comb6	0.004	0.003	Non-Compact
CUBIERTA AL TA	C278	1617	TUBO70X70	0.118 = 0.015 + 0.078 + 0.025	Comb6	0.03	0.002	Non-Compact
CUBIERTA AL TA	C279	1618	TUBO70X70	0.073 = 0.025 + 0.024 + 0.023	Comb6	0.007	0.003	Non-Compact
CUBIERTA AL TA	C280	1619	TUBO70X70	0.058 = 0.008 + 0.025 + 0.025	Comb6	0.004	0.003	Non-Compact
CUBIERTA AL TA	C281	1620	TUBO70X70	0.084 = 0.022 + 0.034 + 0.028	Comb6	0.004	0.002	Non-Compact
CUBIERTA AL TA	C282	1625	TUBO70X70	0.122 = 0.016 + 0.08 + 0.026	Comb6	0.031	0.002	Non-Compact
CUBIERTA AL TA	C283	1626	TUBO70X70	0.074 = 0.025 + 0.025 + 0.024	Comb6	0.007	0.003	Non-Compact
CUBIERTA AL TA	C284	1627	TUBO70X70	0.058 = 0.008 + 0.026 + 0.025	Comb6	0.004	0.002	Non-Compact
CUBIERTA AL TA	C285	1628	TUBO70X70	0.084 = 0.023 + 0.035 + 0.026	Comb6	0.004	0.002	Non-Compact
CUBIERTA AL TA	C286	1659	TUBO70X70	0.149 = 0.016 + 0.086 + 0.048	Comb6	0.034	0.01	Non-Compact
CUBIERTA AL TA	C287	1660	TUBO70X70	0.074 = 0.026 + 0.023 + 0.025	Comb6	0.006	0.004	Non-Compact
CUBIERTA AL TA	C288	1661	TUBO70X70	0.065 = 0.007 + 0.033 + 0.025	Comb6	0.004	0.004	Non-Compact
CUBIERTA AL TA	C289	1662	TUBO70X70	0.101 = 0.023 + 0.047 + 0.031	Comb6	0.004	0.003	Non-Compact
CUBIERTA AL TA	C290	1667	TUBO70X70	0.142 = 0.016 + 0.082 + 0.044	Comb6	0.032	0.008	Non-Compact
CUBIERTA AL TA	C291	1668	TUBO70X70	0.075 = 0.025 + 0.024 + 0.025	Comb6	0.007	0.004	Non-Compact
CUBIERTA AL TA	C292	1669	TUBO70X70	0.064 = 0.008 + 0.026 + 0.031	Comb6	0.004	0.004	Non-Compact
CUBIERTA AL TA	C293	1670	TUBO70X70	0.098 = 0.023 + 0.047 + 0.028	Comb6	0.004	0.003	Non-Compact
CUBIERTA AL TA	C294	1701	TUBO70X70	0.121 = 0.016 + 0.08 + 0.026	Comb6	0.031	0.003	Non-Compact
CUBIERTA AL TA	C295	1702	TUBO70X70	0.074 = 0.025 + 0.024 + 0.025	Comb6	0.007	0.004	Non-Compact
CUBIERTA AL TA	C296	1703	TUBO70X70	0.063 = 0.007 + 0.025 + 0.031	Comb6	0.004	0.004	Non-Compact
CUBIERTA AL TA	C297	1704	TUBO70X70	0.097 = 0.023 + 0.046 + 0.028	Comb6	0.004	0.003	Non-Compact
CUBIERTA AL TA	C298	1709	TUBO70X70	0.123 = 0.016 + 0.081 + 0.025	Comb6	0.032	0.003	Non-Compact

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
CUBIERTA$_{AL\ TA}$	C299	1710	TUBO70X70	0.076 = 0.025 + 0.025 + 0.026	Comb6	0.007	0.004	Non-Compact
CUBIERTA$_{AL\ TA}$	C300	1711	TUBO70X70	0.064 = 0.008 + 0.026 + 0.031	Comb6	0.004	0.004	Non-Compact
CUBIERTA$_{AL\ TA}$	C301	1712	TUBO70X70	0.099 = 0.023 + 0.047 + 0.029	Comb6	0.004	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C302	1743	TUBO70X70	0.121 = 0.016 + 0.079 + 0.027	Comb6	0.03	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C303	1744	TUBO70X70	0.072 = 0.025 + 0.024 + 0.023	Comb6	0.007	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C304	1745	TUBO70X70	0.057 = 0.008 + 0.025 + 0.024	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL\ TA}$	C305	1746	TUBO70X70	0.082 = 0.023 + 0.034 + 0.026	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL\ TA}$	C306	1751	TUBO70X70	0.123 = 0.016 + 0.08 + 0.027	Comb6	0.031	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C307	1752	TUBO70X70	0.074 = 0.025 + 0.025 + 0.024	Comb6	0.007	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C308	1753	TUBO70X70	0.058 = 0.008 + 0.026 + 0.025	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL\ TA}$	C309	1754	TUBO70X70	0.084 = 0.023 + 0.035 + 0.026	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL\ TA}$	C310	1785	TUBO70X70	0.139 = 0.016 + 0.08 + 0.042	Comb6	0.031	0.008	Non-Compact
CUBIERTA$_{AL\ TA}$	C311	1786	TUBO70X70	0.073 = 0.025 + 0.024 + 0.025	Comb6	0.007	0.004	Non-Compact
CUBIERTA$_{AL\ TA}$	C312	1787	TUBO70X70	0.064 = 0.007 + 0.025 + 0.031	Comb6	0.004	0.004	Non-Compact
CUBIERTA$_{AL\ TA}$	C313	1788	TUBO70X70	0.098 = 0.023 + 0.046 + 0.029	Comb6	0.004	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C314	1793	TUBO70X70	0.141 = 0.016 + 0.082 + 0.043	Comb6	0.032	0.008	Non-Compact
CUBIERTA$_{AL\ TA}$	C315	1794	TUBO70X70	0.075 = 0.025 + 0.024 + 0.025	Comb6	0.007	0.004	Non-Compact
CUBIERTA$_{AL\ TA}$	C316	1795	TUBO70X70	0.065 = 0.008 + 0.026 + 0.032	Comb6	0.004	0.004	Non-Compact
CUBIERTA$_{AL\ TA}$	C317	1796	TUBO70X70	0.1 = 0.023 + 0.046 + 0.03	Comb6	0.004	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C318	1827	TUBO70X70	0.119 = 0.015 + 0.077 + 0.026	Comb6	0.03	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C319	1828	TUBO70X70	0.072 = 0.025 + 0.024 + 0.023	Comb6	0.007	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C320	1829	TUBO70X70	0.058 = 0.008 + 0.025 + 0.025	Comb6	0.004	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C321	1830	TUBO70X70	0.084 = 0.023 + 0.034 + 0.028	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL\ TA}$	C322	1835	TUBO70X70	0.123 = 0.016 + 0.079 + 0.028	Comb6	0.031	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C323	1836	TUBO70X70	0.074 = 0.025 + 0.025 + 0.024	Comb6	0.007	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C324	1837	TUBO70X70	0.059 = 0.008 + 0.026 + 0.026	Comb6	0.004	0.003	Non-Compact
CUBIERTA$_{AL\ TA}$	C325	1838	TUBO70X70	0.086 = 0.023 + 0.034 + 0.028	Comb6	0.004	0.002	Non-Compact
CUBIERTA$_{AL\ TA}$	C326	1870	TUBO70X70	0.16 = 0.017 + 0.093 + 0.049	Comb6	0.036	0.009	Non-Compact
CUBIERTA$_{AL\ TA}$	C327	1871	TUBO70X70	0.082 = 0.025 + 0.022 + 0.035	Comb6	0.006	0.005	Non-Compact
CUBIERTA$_{AL\ TA}$	C328	1872	TUBO70X70	0.077 = 0.007 + 0.025 + 0.045	Comb6	0.004	0.005	Non-Compact
CUBIERTA$_{AL\ TA}$	C329	1873	TUBO70X70	0.109 = 0.026 + 0.034 + 0.048	Comb6	0.004	0.004	Non-Compact
CUBIERTA$_{AL\ TA}$	C330	1878	TUBO70X70	0.159 = 0.017 + 0.091 + 0.051	Comb6	0.035	0.011	Non-Compact
CUBIERTA$_{AL\ TA}$	C331	1879	TUBO70X70	0.069 = 0.025 + 0.023 + 0.021	Comb6	0.006	0.002	Non-Compact
CUBIERTA$_{AL\ TA}$	C332	1880	TUBO70X70	0.049 = 0.007 + 0.026 + 0.016	Comb6	0.004	0.001	Non-Compact
CUBIERTA$_{AL}$	C333	1881	TUBO70X7	0.072 = 0.024 + 0.046 +	Comb6	0.004	0.0001283	Non-

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
TA			0	0.002				Compact
CUBIERTA_AL TA	C70	1916	TUBO70X70	0.314 = 0.017 + 0.028 + 0.27	Comb6	0.003	0.019	Non-Compact
CUBIERTA_AL TA	C71	1917	TUBO70X70	0.347 = 0.006 + 0.02 + 0.32	Comb6	0.003	0.027	Non-Compact
CUBIERTA_AL TA	C334	1918	TUBO70X70	0.378 = 0.02 + 0.018 + 0.341	Comb6	0.005	0.034	Non-Compact
CUBIERTA_AL TA	C335	1919	TUBO70X70	0.356 = 0.015 + 0.018 + 0.324	Comb6	0.021	0.016	Non-Compact
CUBIERTA_AL TA	C336	1924	TUBO70X70	0.328 = 0.017 + 0.028 + 0.282	Comb6	0.003	0.02	Non-Compact
CUBIERTA_AL TA	C337	1925	TUBO70X70	0.361 = 0.006 + 0.021 + 0.334	Comb6	0.003	0.028	Non-Compact
CUBIERTA_AL TA	C338	1926	TUBO70X70	0.394 = 0.021 + 0.018 + 0.355	Comb6	0.005	0.036	Non-Compact
CUBIERTA_AL TA	C339	1927	TUBO70X70	0.372 = 0.015 + 0.018 + 0.339	Comb6	0.022	0.017	Non-Compact
CUBIERTA_AL TA	C348	1988	TUBO70X70	0.317 = 0.017 + 0.028 + 0.272	Comb6	0.003	0.019	Non-Compact
CUBIERTA_AL TA	C349	1989	TUBO70X70	0.35 = 0.006 + 0.021 + 0.323	Comb6	0.003	0.027	Non-Compact
CUBIERTA_AL TA	C350	1990	TUBO70X70	0.383 = 0.02 + 0.018 + 0.344	Comb6	0.005	0.035	Non-Compact
CUBIERTA_AL TA	C351	1991	TUBO70X70	0.358 = 0.014 + 0.017 + 0.326	Comb6	0.021	0.015	Non-Compact
CUBIERTA_AL TA	C352	1996	TUBO70X70	0.33 = 0.018 + 0.029 + 0.284	Comb6	0.003	0.02	Non-Compact
CUBIERTA_AL TA	C353	1997	TUBO70X70	0.365 = 0.006 + 0.021 + 0.337	Comb6	0.003	0.028	Non-Compact
CUBIERTA_AL TA	C354	1998	TUBO70X70	0.399 = 0.021 + 0.019 + 0.359	Comb6	0.005	0.036	Non-Compact
CUBIERTA_AL TA	C355	1999	TUBO70X70	0.374 = 0.015 + 0.018 + 0.341	Comb6	0.021	0.016	Non-Compact
CUBIERTA_AL TA	C356	2029	TUBO70X70	0.316 = 0.017 + 0.028 + 0.271	Comb6	0.003	0.019	Non-Compact
CUBIERTA_AL TA	C357	2030	TUBO70X70	0.348 = 0.006 + 0.021 + 0.321	Comb6	0.003	0.027	Non-Compact
CUBIERTA_AL TA	C358	2031	TUBO70X70	0.381 = 0.02 + 0.018 + 0.342	Comb6	0.005	0.035	Non-Compact
CUBIERTA_AL TA	C359	2032	TUBO70X70	0.356 = 0.014 + 0.017 + 0.324	Comb6	0.02	0.016	Non-Compact
CUBIERTA_AL TA	C360	2037	TUBO70X70	0.33 = 0.018 + 0.028 + 0.284	Comb6	0.003	0.02	Non-Compact
CUBIERTA_AL TA	C361	2038	TUBO70X70	0.364 = 0.006 + 0.021 + 0.336	Comb6	0.003	0.028	Non-Compact
CUBIERTA_AL TA	C362	2039	TUBO70X70	0.398 = 0.021 + 0.019 + 0.358	Comb6	0.005	0.036	Non-Compact
CUBIERTA_AL TA	C363	2040	TUBO70X70	0.372 = 0.015 + 0.018 + 0.34	Comb6	0.021	0.016	Non-Compact
CUBIERTA_AL TA	C364	2071	TUBO70X70	0.317 = 0.017 + 0.028 + 0.272	Comb6	0.003	0.019	Non-Compact
CUBIERTA_AL TA	C365	2072	TUBO70X70	0.35 = 0.006 + 0.021 + 0.323	Comb6	0.003	0.027	Non-Compact
CUBIERTA_AL TA	C366	2073	TUBO70X70	0.383 = 0.02 + 0.018 + 0.344	Comb6	0.005	0.035	Non-Compact
CUBIERTA_AL TA	C367	2074	TUBO70X70	0.357 = 0.014 + 0.017 + 0.326	Comb6	0.021	0.015	Non-Compact
CUBIERTA_AL TA	C368	2079	TUBO70X70	0.33 = 0.018 + 0.028 + 0.284	Comb6	0.003	0.02	Non-Compact
CUBIERTA_AL TA	C369	2080	TUBO70X70	0.364 = 0.006 + 0.021 + 0.337	Comb6	0.003	0.028	Non-Compact
CUBIERTA_AL TA	C370	2081	TUBO70X70	0.398 = 0.021 + 0.019 + 0.359	Comb6	0.005	0.036	Non-Compact
CUBIERTA_AL TA	C371	2082	TUBO70X70	0.373 = 0.015 + 0.018 + 0.341	Comb6	0.021	0.015	Non-Compact
CUBIERTA_AL TA	C372	2113	TUBO70X70	0.317 = 0.017 + 0.028 + 0.272	Comb6	0.003	0.019	Non-Compact
CUBIERTA_AL TA	C373	2114	TUBO70X70	0.35 = 0.006 + 0.021 + 0.323	Comb6	0.003	0.027	Non-Compact

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
CUBIERTA_ALTA	C374	2115	TUBO70X70	0.383 = 0.02 + 0.018 + 0.344	Comb6	0.005	0.035	Non-Compact
CUBIERTA_ALTA	C375	2116	TUBO70X70	0.358 = 0.014 + 0.017 + 0.326	Comb6	0.021	0.015	Non-Compact
CUBIERTA_ALTA	C376	2121	TUBO70X70	0.33 = 0.018 + 0.028 + 0.284	Comb6	0.003	0.02	Non-Compact
CUBIERTA_ALTA	C377	2122	TUBO70X70	0.364 = 0.006 + 0.021 + 0.337	Comb6	0.003	0.028	Non-Compact
CUBIERTA_ALTA	C378	2123	TUBO70X70	0.398 = 0.021 + 0.019 + 0.359	Comb6	0.005	0.036	Non-Compact
CUBIERTA_ALTA	C379	2124	TUBO70X70	0.373 = 0.015 + 0.018 + 0.34	Comb6	0.021	0.015	Non-Compact
CUBIERTA_BAJA	C3	1500	TUBO200x100X4	0.5 = 0.03 + 0.132 + 0.338	Comb6	0.003	0.289	Slender
CUBIERTA_BAJA	C4	1501	TUBO200x100X4	0.189 = 0.008 + 0.05 + 0.131	Comb6	0.074	0.136	Slender
CUBIERTA_BAJA	C5	286	TUBO200x100X4	0.716 = 0.252 + 0.03 + 0.434	Comb6	0.011	0.335	Slender
CUBIERTA_BAJA	C6	287	TUBO200x100X4	0.471 = 0.018 + 0.018 + 0.435	Comb6	0.007	0.348	Slender
CUBIERTA_BAJA	C7	373	TUBO200x100X4	0.443 = 0.017 + 0.005 + 0.421	Comb6	0.014	0.317	Slender
CUBIERTA_BAJA	C8	372	TUBO200x100X4	0.729 = 0.246 + 0.048 + 0.436	Comb6	0.002	0.338	Slender
CUBIERTA_BAJA	C9	425	TUBO200x100X4	0.704 = 0.247 + 0.022 + 0.436	Comb6	0.002	0.337	Slender
CUBIERTA_BAJA	C10	426	TUBO200x100X4	0.448 = 0.02 + 0.019 + 0.41	Comb6	0.002	0.311	Slender
CUBIERTA_BAJA	C11	478	TUBO200x100X4	0.691 = 0.244 + 0.025 + 0.422	Comb6	0.009	0.327	Slender
CUBIERTA_BAJA	C12	479	TUBO200x100X4	0.471 = 0.018 + 0.028 + 0.425	Comb6	0.01	0.341	Slender
CUBIERTA_BAJA	C13	532	TUBO200x100X4	0.448 = 0.017 + 0.01 + 0.421	Comb6	0.011	0.317	Slender
CUBIERTA_BAJA	C14	531	TUBO200x100X4	0.726 = 0.246 + 0.044 + 0.436	Comb6	0.003	0.338	Slender
CUBIERTA_BAJA	C15	584	TUBO200x100X4	0.705 = 0.246 + 0.024 + 0.435	Comb6	0.004	0.336	Slender
CUBIERTA_BAJA	C16	585	TUBO200x100X4	0.45 = 0.02 + 0.021 + 0.41	Comb6	0.001	0.311	Slender
CUBIERTA_BAJA	C17	637	TUBO200x100X4	0.683 = 0.244 + 0.019 + 0.42	Comb6	0.009	0.325	Slender
CUBIERTA_BAJA	C18	638	TUBO200x100X4	0.47 = 0.018 + 0.029 + 0.423	Comb6	0.011	0.34	Slender
CUBIERTA_BAJA	C19	976	TUBO200x100X4	0.734 = 0.248 + 0.047 + 0.439	Comb6	0.005	0.34	Slender
CUBIERTA_BAJA	C20	977	TUBO200x100X4	0.451 = 0.017 + 0.01 + 0.424	Comb6	0.011	0.319	Slender
CUBIERTA_BAJA	C21	1029	TUBO200x100X4	0.689 = 0.246 + 0.018 + 0.425	Comb6	0.008	0.33	Slender
CUBIERTA_BAJA	C22	1030	TUBO200x100X4	0.473 = 0.018 + 0.027 + 0.428	Comb6	0.01	0.343	Slender
CUBIERTA_BAJA	C23	1082	TUBO200x100X4	0.728 = 0.247 + 0.044 + 0.437	Comb6	0.005	0.339	Slender
CUBIERTA_BAJA	C24	1083	TUBO200x100X4	0.45 = 0.017 + 0.01 + 0.422	Comb6	0.011	0.318	Slender
CUBIERTA_BAJA	C25	1135	TUBO200x100X4	0.703 = 0.247 + 0.02 + 0.436	Comb6	0.004	0.337	Slender
CUBIERTA_BAJA	C26	1136	TUBO200x100X4	0.451 = 0.02 + 0.021 + 0.41	Comb6	0.001	0.311	Slender
CUBIERTA_BAJA	C27	1188	TUBO200x100X4	0.684 = 0.244 + 0.017 + 0.422	Comb6	0.007	0.327	Slender
CUBIERTA_BAJA	C28	1189	TUBO200x100X4	0.474 = 0.018 + 0.031 + 0.425	Comb6	0.012	0.341	Slender
CUBIERTA_BAJA	C29	1242	TUBO200x100X4	0.452 = 0.017 + 0.014 + 0.421	Comb6	0.008	0.317	Slender
CUBIERTA_BAJA	C30	1241	TUBO200x100X4	0.725 = 0.246 + 0.043 + 0.436	Comb6	0.006	0.338	Slender
CUBIERTA_BA	C31	1294	TUBO200x1	0.75 = 0.258 + 0.034 +	Comb6	0.013	0.354	Slender

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
JA			00X4	0.458				
CUBIERTA$_{BA}$ JA	C32	1295	TUBO200x100X4	0.476 = 0.02 + 0.025 + 0.431	Comb6	0.0004821	0.327	Slender
CUBIERTA$_{BA}$ JA	C33	1347	TUBO200x100X4	0.49 = 0.078 + 0.136 + 0.276	Comb6	0.031	0.188	Slender
CUBIERTA$_{BA}$ JA	C34	1348	TUBO200x100X4	0.302 = 0.001 + 0.082 + 0.218	Comb6	0.069	0.171	Slender
CUBIERTA$_{BA}$ JA	C39	1451	TUBO200x100X4	0.185 = 0.008 + 0.049 + 0.128	Comb6	0.072	0.131	Slender
CUBIERTA$_{BA}$ JA	C40	1498	TUBO200x100X4	0.484 = 0.03 + 0.136 + 0.319	Comb6	0.003	0.269	Slender
CUBIERTA$_{BA}$ JA	C41	284	TUBO200x100X4	0.456 = 0.017 + 0.018 + 0.42	Comb6	0.006	0.338	Slender
CUBIERTA$_{BA}$ JA	C42	285	TUBO200x100X4	0.742 = 0.253 + 0.026 + 0.462	Comb6	0.011	0.345	Slender
CUBIERTA$_{BA}$ JA	C43	370	TUBO200x100X4	0.428 = 0.017 + 0.005 + 0.407	Comb6	0.014	0.308	Slender
CUBIERTA$_{BA}$ JA	C44	371	TUBO200x100X4	0.758 = 0.248 + 0.048 + 0.462	Comb6	0.002	0.347	Slender
CUBIERTA$_{BA}$ JA	C45	423	TUBO200x100X4	0.433 = 0.019 + 0.018 + 0.396	Comb6	0.002	0.302	Slender
CUBIERTA$_{BA}$ JA	C46	424	TUBO200x100X4	0.734 = 0.249 + 0.023 + 0.462	Comb6	0.002	0.345	Slender
CUBIERTA$_{BA}$ JA	C47	476	TUBO200x100X4	0.456 = 0.017 + 0.028 + 0.411	Comb6	0.01	0.331	Slender
CUBIERTA$_{BA}$ JA	C48	477	TUBO200x100X4	0.699 = 0.246 + 0.003 + 0.45	Comb6	0.01	0.337	Slender
CUBIERTA$_{BA}$ JA	C49	529	TUBO200x100X4	0.434 = 0.016 + 0.011 + 0.406	Comb6	0.01	0.308	Slender
CUBIERTA$_{BA}$ JA	C50	530	TUBO200x100X4	0.753 = 0.247 + 0.043 + 0.462	Comb6	0.002	0.346	Slender
CUBIERTA$_{BA}$ JA	C51	582	TUBO200x100X4	0.433 = 0.019 + 0.019 + 0.395	Comb6	0.002	0.302	Slender
CUBIERTA$_{BA}$ JA	C52	583	TUBO200x100X4	0.748 = 0.248 + 0.039 + 0.461	Comb6	0.008	0.344	Slender
CUBIERTA$_{BA}$ JA	C53	635	TUBO200x100X4	0.457 = 0.017 + 0.03 + 0.409	Comb6	0.013	0.33	Slender
CUBIERTA$_{BA}$ JA	C54	636	TUBO200x100X4	0.709 = 0.245 + 0.015 + 0.449	Comb6	0.01	0.336	Slender
CUBIERTA$_{BA}$ JA	C55	974	TUBO200x100X4	0.436 = 0.017 + 0.01 + 0.409	Comb6	0.011	0.31	Slender
CUBIERTA$_{BA}$ JA	C56	975	TUBO200x100X4	0.764 = 0.249 + 0.05 + 0.465	Comb6	0.005	0.349	Slender
CUBIERTA$_{BA}$ JA	C57	1027	TUBO200x100X4	0.458 = 0.017 + 0.027 + 0.414	Comb6	0.01	0.334	Slender
CUBIERTA$_{BA}$ JA	C58	1028	TUBO200x100X4	0.703 = 0.248 + 0.001 + 0.454	Comb6	0.009	0.34	Slender
CUBIERTA$_{BA}$ JA	C59	1080	TUBO200x100X4	0.434 = 0.016 + 0.01 + 0.408	Comb6	0.011	0.309	Slender
CUBIERTA$_{BA}$ JA	C60	1081	TUBO200x100X4	0.757 = 0.248 + 0.045 + 0.463	Comb6	0.004	0.347	Slender
CUBIERTA$_{BA}$ JA	C61	1133	TUBO200x100X4	0.435 = 0.019 + 0.021 + 0.396	Comb6	0.001	0.303	Slender
CUBIERTA$_{BA}$ JA	C62	1134	TUBO200x100X4	0.732 = 0.249 + 0.021 + 0.462	Comb6	0.003	0.345	Slender
CUBIERTA$_{BA}$ JA	C63	1186	TUBO200x100X4	0.458 = 0.017 + 0.029 + 0.411	Comb6	0.011	0.332	Slender
CUBIERTA$_{BA}$ JA	C64	1187	TUBO200x100X4	0.697 = 0.246 + 0.001 + 0.45	Comb6	0.008	0.337	Slender
CUBIERTA$_{BA}$ JA	C65	1239	TUBO200x100X4	0.435 = 0.016 + 0.013 + 0.406	Comb6	0.009	0.308	Slender
CUBIERTA$_{BA}$ JA	C66	1240	TUBO200x100X4	0.751 = 0.247 + 0.042 + 0.462	Comb6	0.003	0.346	Slender
CUBIERTA$_{BA}$ JA	C67	1292	TUBO200x100X4	0.457 = 0.02 + 0.022 + 0.415	Comb6	0.003	0.317	Slender
CUBIERTA$_{BA}$ JA	C68	1293	TUBO200x100X4	0.783 = 0.261 + 0.036 + 0.486	Comb6	0.008	0.363	Slender
CUBIERTA$_{BA}$ JA	C69	1345	TUBO200x100X4	0.662 = 0.061 + 0.094 + 0.507	Comb6	0.087	0.361	Slender

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
CUBIERTA$_{BAJA}$	C74	1499	TUBO200x100X4	1 = 0.056 + 0.925 + 0.018	Comb6	0.022	0.015	Slender
CUBIERTA$_{BAJA}$	C253	1400	TUBO200x100X4	0 = 0 + 0 + 0	Comb9	0	0	Slender
CUBIERTA$_{BAJA}$	C254	1346	TUBO200x100X4	0 = 0 + 0 + 0	Comb9	0	0	Slender

Table 1.4 - Steel Beam Envelope - AISC 360-16

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
CUBIERTA$_{ALTA}$	B290	336	TUBO200X100X6	0.035 = 3.393E-04 + 0.026 + 0.008	Comb6	0.004	0.002	Non-Compact	1.5123	2.4408
CUBIERTA$_{ALTA}$	B291	337	TUBO200X100X6	0.095 = 0.045 + 0.039 + 0.011	Comb6	0.004	0.003	Non-Compact	2.6497	1.7213
CUBIERTA$_{ALTA}$	B292	338	TUBO200X100X6	0.114 = 0.048 + 0.042 + 0.024	Comb6	0.007	0.003	Non-Compact	4.5557	3.6272
CUBIERTA$_{ALTA}$	B293	339	TUBO200X100X6	0.532 = 0.471 + 0.011 + 0.05	Comb6	0.001	0.006	Non-Compact	0.6492	0.555
CUBIERTA$_{ALTA}$	B294	340	TUBO200X100X6	0.498 = 0.471 + 0.003 + 0.023	Comb6	0.001	0.005	Non-Compact	0.4328	0.6799
CUBIERTA$_{ALTA}$	B295	341	TUBO200X100X6	0.708 = 0.634 + 0.037 + 0.038	Comb6	0.005	0.003	Non-Compact	3.6124	2.6839
CUBIERTA$_{ALTA}$	B296	342	TUBO200X100X6	0.739 = 0.663 + 0.037 + 0.038	Comb6	0.005	0.003	Non-Compact	2.56	3.5109
CUBIERTA$_{ALTA}$	B297	343	TUBO200X100X6	0.532 = 0.505 + 0.003 + 0.024	Comb6	0.001	0.005	Non-Compact	0.7339	0.4266
CUBIERTA$_{ALTA}$	B298	344	TUBO200X100X6	0.569 = 0.505 + 0.012 + 0.052	Comb6	0.001	0.006	Non-Compact	0.6418	0.6277
CUBIERTA$_{ALTA}$	B299	345	TUBO200X100X6	0.124 = 0.057 + 0.041 + 0.026	Comb6	0.006	0.003	Non-Compact	3.3139	4.2648
CUBIERTA$_{ALTA}$	B300	346	TUBO200X100X6	0.106 = 0.053 + 0.04 + 0.013	Comb6	0.004	0.003	Non-Compact	1.8789	2.8298
CUBIERTA$_{ALTA}$	B301	347	TUBO200X100X6	0.037 = 3.43E-04 + 0.028 + 0.008	Comb6	0.004	0.002	Non-Compact	2.513	1.5621
CUBIERTA$_{ALTA}$	B302	389	TUBO200X100X6	0.056 = 0.001 + 0.054 + 0.001	Comb6	0.009	0.000237	Non-Compact	5.2959	6.2244
CUBIERTA$_{ALTA}$	B303	390	TUBO200X100X6	0.084 = 0.039 + 0.043 + 0.001	Comb6	0.004	0.001	Non-Compact	2.9521	2.0236
CUBIERTA$_{ALTA}$	B304	391	TUBO200X100X6	0.1 = 0.043 + 0.044 + 0.013	Comb6	0.007	0.002	Non-Compact	4.6046	3.6762
CUBIERTA$_{ALTA}$	B305	392	TUBO200X100X6	0.477 = 0.45 + 0.006 + 0.021	Comb6	0.001	0.002	Non-Compact	0.7995	0.2837
CUBIERTA$_{ALTA}$	B306	393	TUBO200X100X6	0.465 = 0.451 + 0.007 + 0.007	Comb6	0.001	0.002	Non-Compact	0.4265	0.6987
CUBIERTA$_{ALTA}$	B307	394	TUBO200X100X6	0.66 = 0.621 + 0.037 + 0.002	Comb6	0.005	0.003	Non-Compact	3.6827	2.7542
CUBIERTA$_{ALTA}$	B308	395	TUBO200X100X6	0.691 = 0.65 + 0.039 + 0.002	Comb6	0.006	0.003	Non-Compact	2.8208	3.7717
CUBIERTA$_{ALTA}$	B309	396	TUBO200X100X6	0.497 = 0.482 + 0.007 + 0.007	Comb6	0.001	0.002	Non-Compact	0.7767	0.4118
CUBIERTA$_{ALTA}$	B310	397	TUBO200X100X6	0.508 = 0.481 + 0.007 + 0.02	Comb6	0.001	0.002	Non-Compact	0.3178	0.7916
CUBIERTA$_{ALTA}$	B311	398	TUBO200X100X6	0.106 = 0.051 + 0.043 + 0.013	Comb6	0.006	0.001	Non-Compact	3.3744	4.3253
CUBIERTA$_{ALTA}$	B312	399	TUBO200X100X6	0.093 = 0.047 + 0.045 + 0.001	Comb6	0.005	0.001	Non-Compact	2.1786	3.1295
CUBIERTA$_{ALTA}$	B313	400	TUBO200X100X6	0.057 = 0.001 + 0.056 + 2.565E-04	Comb6	0.01	0.0002596	Non-Compact	6.3758	5.4249
CUBIERTA$_{ALTA}$	B314	442	TUBO200X100X6	0.033 = 0.001 + 0.03 + 0.002	Comb6	0.004	0.001	Non-Compact	2.0079	2.9364
CUBIERTA$_{ALTA}$	B315	443	TUBO200X100X6	0.081 = 0.04 + 0.038 + 0.004	Comb6	0.004	0.0003542	Non-Compact	2.5445	1.616
CUBIERTA$_{ALTA}$	B316	444	TUBO200X100X6	0.09 = 0.043 + 0.044 + 0.003	Comb6	0.007	0.0001926	Non-Compact	4.6903	3.7618
CUBIERTA$_{ALTA}$	B317	445	TUBO200X100X6	0.482 = 0.463 + 0.006 + 0.013	Comb6	0.001	0.001	Non-Compact	0.8263	0.2569
CUBIERTA$_{A}$	B318	446	TUBO200X1	0.476 = 0.464 + 0.007	Comb6	0.001	0.001	Non-	0.4064	0.7385

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0.006				Compact		
CUBIERTA LTA	B319	447	TUBO200X100X6	0.691 = 0.639 + 0.04 + 0.012	Comb6	0.006	0.005	Non-Compact	3.9228	2.9943
CUBIERTA LTA	B320	448	TUBO200X100X6	0.721 = 0.67 + 0.04 + 0.012	Comb6	0.006	0.005	Non-Compact	2.8557	3.8066
CUBIERTA LTA	B321	449	TUBO200X100X6	0.508 = 0.496 + 0.007 + 0.006	Comb6	0.001	0.001	Non-Compact	0.7856	0.4027
CUBIERTA LTA	B322	450	TUBO200X100X6	0.515 = 0.495 + 0.007 + 0.013	Comb6	0.001	0.001	Non-Compact	0.2964	0.8129
CUBIERTA LTA	B323	451	TUBO200X100X6	0.097 = 0.051 + 0.043 + 0.003	Comb6	0.007	0.0001489	Non-Compact	3.4532	4.404
CUBIERTA LTA	B324	452	TUBO200X100X6	0.09 = 0.048 + 0.039 + 0.004	Comb6	0.004	0.0003648	Non-Compact	1.7595	2.7104
CUBIERTA LTA	B325	453	TUBO200X100X6	0.034 = 0.001 + 0.031 + 0.002	Comb6	0.004	0.001	Non-Compact	3.0156	2.0647
CUBIERTA LTA	B326	495	TUBO200X100X6	0.032 = 0.001 + 0.026 + 0.005	Comb6	0.004	0.0001598	Non-Compact	1.6332	2.5617
CUBIERTA LTA	B327	496	TUBO200X100X6	0.081 = 0.041 + 0.038 + 0.003	Comb6	0.004	0.001	Non-Compact	2.5682	1.6397
CUBIERTA LTA	B328	497	TUBO200X100X6	0.091 = 0.044 + 0.043 + 0.004	Comb6	0.007	0.0001919	Non-Compact	4.6265	3.698
CUBIERTA LTA	B329	498	TUBO200X100X6	0.474 = 0.458 + 0.01 + 0.005	Comb6	0.001	0.001	Non-Compact	0.8219	0.2613
CUBIERTA LTA	B330	499	TUBO200X100X6	0.47 = 0.459 + 0.007 + 0.003	Comb6	0.001	0.001	Non-Compact	0.4034	0.7445
CUBIERTA LTA	B331	500	TUBO200X100X6	0.684 = 0.63 + 0.039 + 0.016	Comb6	0.006	0.005	Non-Compact	3.839	2.9105
CUBIERTA LTA	B332	501	TUBO200X100X6	0.714 = 0.66 + 0.039 + 0.016	Comb6	0.006	0.005	Non-Compact	2.7592	3.7101
CUBIERTA LTA	B333	502	TUBO200X100X6	0.502 = 0.491 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0.7946	0.3987
CUBIERTA LTA	B334	503	TUBO200X100X6	0.507 = 0.491 + 0.011 + 0.006	Comb6	0.001	0.001	Non-Compact	0.3011	0.8083
CUBIERTA LTA	B335	504	TUBO200X100X6	0.098 = 0.053 + 0.042 + 0.003	Comb6	0.006	0.0001331	Non-Compact	3.3977	4.3486
CUBIERTA LTA	B336	505	TUBO200X100X6	0.091 = 0.049 + 0.039 + 0.003	Comb6	0.004	0.001	Non-Compact	1.7864	2.7372
CUBIERTA LTA	B337	506	TUBO200X100X6	0.033 = 0.001 + 0.028 + 0.004	Comb6	0.004	0.0002003	Non-Compact	2.6337	1.6828
CUBIERTA LTA	B338	548	TUBO200X100X6	0.055 = 0.001 + 0.054 + 0.001	Comb6	0.009	0.0002887	Non-Compact	5.3056	6.234
CUBIERTA LTA	B339	549	TUBO200X100X6	0.083 = 0.039 + 0.043 + 0.001	Comb6	0.004	0.0003767	Non-Compact	2.9363	2.0078
CUBIERTA LTA	B340	550	TUBO200X100X6	0.099 = 0.042 + 0.045 + 0.012	Comb6	0.007	0.001	Non-Compact	4.6839	3.7554
CUBIERTA LTA	B341	551	TUBO200X100X6	0.468 = 0.451 + 0.008 + 0.01	Comb6	0.001	0.001	Non-Compact	0.8436	0.2472
CUBIERTA LTA	B342	552	TUBO200X100X6	0.463 = 0.452 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.4184	0.7182
CUBIERTA LTA	B343	553	TUBO200X100X6	0.67 = 0.621 + 0.037 + 0.012	Comb6	0.005	0.004	Non-Compact	3.6852	2.7567
CUBIERTA LTA	B344	554	TUBO200X100X6	0.701 = 0.651 + 0.039 + 0.011	Comb6	0.006	0.004	Non-Compact	2.81	3.7609
CUBIERTA LTA	B345	555	TUBO200X100X6	0.496 = 0.484 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.796	0.4038
CUBIERTA LTA	B346	556	TUBO200X100X6	0.501 = 0.483 + 0.008 + 0.009	Comb6	0.001	0.001	Non-Compact	0.2842	0.8252
CUBIERTA LTA	B347	557	TUBO200X100X6	0.106 = 0.051 + 0.044 + 0.011	Comb6	0.007	0.001	Non-Compact	3.4659	4.4168
CUBIERTA LTA	B348	558	TUBO200X100X6	0.093 = 0.047 + 0.045 + 0.001	Comb6	0.005	0.0003306	Non-Compact	2.1673	3.1182
CUBIERTA LTA	B349	559	TUBO200X100X6	0.058 = 0.001 + 0.056 + 0.001	Comb6	0.01	0.000278	Non-Compact	6.3872	5.4363
CUBIERTA LTA	B350	601	TUBO200X100X6	0.033 = 0.001 + 0.03 + 0.002	Comb6	0.004	0.002	Non-Compact	2.0375	2.966
CUBIERTA LTA	B351	602	TUBO200X100X6	0.083 = 0.039 + 0.038 + 0.006	Comb6	0.004	0	Non-Compact	2.5345	1.606
CUBIERTA	B352	603	TUBO200X1	0.09 = 0.043 + 0.044	Comb6	0.007	0.0001126	Non-	4.7322	3.8038

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0.003				Compact		
CUBIERTA LTA	B353	604	TUBO200X100X6	0.476 = 0.461 + 0.01 + 0.005	Comb6	0.001	0.001	Non-Compact	0.8508	0.2324
CUBIERTA LTA	B354	605	TUBO200X100X6	0.474 = 0.462 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.4041	0.7472
CUBIERTA LTA	B355	606	TUBO200X100X6	0.698 = 0.637 + 0.04 + 0.022	Comb6	0.006	0.007	Non-Compact	3.9236	2.9951
CUBIERTA LTA	B356	607	TUBO200X100X6	0.727 = 0.667 + 0.04 + 0.021	Comb6	0.006	0.006	Non-Compact	2.846	3.7968
CUBIERTA LTA	B357	608	TUBO200X100X6	0.507 = 0.494 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.7951	0.3963
CUBIERTA LTA	B358	609	TUBO200X100X6	0.51 = 0.493 + 0.009 + 0.008	Comb6	0.001	0.001	Non-Compact	0.2924	0.817
CUBIERTA LTA	B359	610	TUBO200X100X6	0.096 = 0.051 + 0.043 + 0.002	Comb6	0.007	0	Non-Compact	3.488	4.4389
CUBIERTA LTA	B360	611	TUBO200X100X6	0.092 = 0.048 + 0.039 + 0.006	Comb6	0.004	0.0003778	Non-Compact	1.7516	2.7025
CUBIERTA LTA	B361	612	TUBO200X100X6	0.032 = 0.001 + 0.031 + 2.916E-04	Comb6	0.004	0.001	Non-Compact	3.012	2.0611
CUBIERTA LTA	B362	654	TUBO200X100X6	0.033 = 4.902E-04 + 0.026 + 0.006	Comb6	0.004	0.001	Non-Compact	1.5877	2.5162
CUBIERTA LTA	B363	655	TUBO200X100X6	0.087 = 0.041 + 0.038 + 0.009	Comb6	0.004	0.002	Non-Compact	2.541	1.6125
CUBIERTA LTA	B364	656	TUBO200X100X6	0.094 = 0.044 + 0.044 + 0.006	Comb6	0.007	0.001	Non-Compact	4.6776	3.7491
CUBIERTA LTA	B365	657	TUBO200X100X6	0.473 = 0.459 + 0.011 + 0.003	Comb6	0.001	0	Non-Compact	0.8557	0.2275
CUBIERTA LTA	B366	658	TUBO200X100X6	0.47 = 0.46 + 0.007 + 0.002	Comb6	0.001	0.0001021	Non-Compact	0.4048	0.755
CUBIERTA LTA	B367	659	TUBO200X100X6	0.697 = 0.632 + 0.038 + 0.027	Comb6	0.006	0.007	Non-Compact	3.7978	2.8693
CUBIERTA LTA	B368	660	TUBO200X100X6	0.731 = 0.66 + 0.039 + 0.032	Comb6	0.006	0.008	Non-Compact	2.7863	3.7372
CUBIERTA LTA	B369	661	TUBO200X100X6	0.502 = 0.493 + 0.006 + 0.002	Comb6	0.001	0.001	Non-Compact	0.8163	0.3939
CUBIERTA LTA	B370	662	TUBO200X100X6	0.505 = 0.492 + 0.011 + 0.002	Comb6	0.001	0.001	Non-Compact	0.2832	0.8262
CUBIERTA LTA	B371	853	TUBO200X100X6	0.097 = 0.053 + 0.043 + 0.001	Comb6	0.007	0.0002944	Non-Compact	3.4724	4.4233
CUBIERTA LTA	B372	854	TUBO200X100X6	0.093 = 0.049 + 0.039 + 0.005	Comb6	0.004	0.001	Non-Compact	1.7669	2.7178
CUBIERTA LTA	B373	855	TUBO200X100X6	0.032 = 4.823E-04 + 0.028 + 0.004	Comb6	0.004	0.0001153	Non-Compact	2.6063	1.6554
CUBIERTA LTA	B374	993	TUBO200X100X6	0.056 = 0.001 + 0.054 + 0.002	Comb6	0.009	0.0003133	Non-Compact	5.3221	6.2505
CUBIERTA LTA	B375	994	TUBO200X100X6	0.083 = 0.039 + 0.043 + 0.001	Comb6	0.004	0.001	Non-Compact	2.9457	2.0172
CUBIERTA LTA	B376	995	TUBO200X100X6	0.101 = 0.043 + 0.045 + 0.013	Comb6	0.007	0.001	Non-Compact	4.7444	3.8159
CUBIERTA LTA	B377	996	TUBO200X100X6	0.47 = 0.454 + 0.008 + 0.009	Comb6	0.001	0.001	Non-Compact	0.8743	0.2405
CUBIERTA LTA	B378	997	TUBO200X100X6	0.467 = 0.455 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.4179	0.7177
CUBIERTA LTA	B379	998	TUBO200X100X6	0.676 = 0.625 + 0.037 + 0.013	Comb6	0.005	0.005	Non-Compact	3.6856	2.7571
CUBIERTA LTA	B380	999	TUBO200X100X6	0.706 = 0.655 + 0.039 + 0.012	Comb6	0.006	0.004	Non-Compact	2.8144	3.7652
CUBIERTA LTA	B381	1000	TUBO200X100X6	0.5 = 0.487 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.7965	0.4031
CUBIERTA LTA	B382	1001	TUBO200X100X6	0.504 = 0.486 + 0.008 + 0.01	Comb6	0.001	0.001	Non-Compact	0.2726	0.8368
CUBIERTA LTA	B383	1002	TUBO200X100X6	0.106 = 0.051 + 0.045 + 0.011	Comb6	0.007	0.001	Non-Compact	3.5217	4.4726
CUBIERTA LTA	B384	1003	TUBO200X100X6	0.094 = 0.047 + 0.045 + 0.002	Comb6	0.005	0.0003587	Non-Compact	2.1768	3.1277
CUBIERTA LTA	B385	1004	TUBO200X100X6	0.057 = 0.001 + 0.056 + 3.3E-04	Comb6	0.01	0.0002357	Non-Compact	6.4038	5.4529
CUBIERTA	B386	1046	TUBO200X1	0.031 = 0.001 + 0.026	Comb6	0.004	0.0001189	Non-	1.6276	2.5561

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0.004				Compact		
CUBIERTA LTA	B387	1047	TUBO200X100X6	0.084 = 0.041 + 0.038 + 0.005	Comb6	0.004	0.001	Non-Compact	2.5724	1.6439
CUBIERTA LTA	B388	1048	TUBO200X100X6	0.09 = 0.045 + 0.044 + 0.001	Comb6	0.007	0.0002437	Non-Compact	4.7045	3.776
CUBIERTA LTA	B389	1049	TUBO200X100X6	0.476 = 0.463 + 0.011 + 0.003	Comb6	0.001	0.0002361	Non-Compact	0.8429	0.2403
CUBIERTA LTA	B390	1050	TUBO200X100X6	0.473 = 0.464 + 0.007 + 0.002	Comb6	0.001	0.0002634	Non-Compact	0.3981	0.7576
CUBIERTA LTA	B391	1051	TUBO200X100X6	0.698 = 0.636 + 0.039 + 0.023	Comb6	0.006	0.006	Non-Compact	3.8909	2.9624
CUBIERTA LTA	B392	1052	TUBO200X100X6	0.728 = 0.666 + 0.039 + 0.023	Comb6	0.006	0.006	Non-Compact	2.8061	3.757
CUBIERTA LTA	B393	1053	TUBO200X100X6	0.506 = 0.496 + 0.007 + 0.003	Comb6	0.001	0.000352	Non-Compact	0.8074	0.3935
CUBIERTA LTA	B394	1054	TUBO200X100X6	0.509 = 0.495 + 0.011 + 0.003	Comb6	0.001	0.0003277	Non-Compact	0.2808	0.8285
CUBIERTA LTA	B395	1055	TUBO200X100X6	0.096 = 0.053 + 0.043 + 0	Comb6	0.007	0.0003406	Non-Compact	3.4723	4.4232
CUBIERTA LTA	B396	1056	TUBO200X100X6	0.094 = 0.049 + 0.039 + 0.005	Comb6	0.004	0.001	Non-Compact	1.7917	2.7426
CUBIERTA LTA	B397	1057	TUBO200X100X6	0.032 = 0.001 + 0.028 + 0.004	Comb6	0.004	0.0001356	Non-Compact	2.6275	1.6766
CUBIERTA LTA	B398	1099	TUBO200X100X6	0.055 = 0.001 + 0.054 + 3.467E-04	Comb6	0.009	0.0002349	Non-Compact	5.3092	6.2376
CUBIERTA LTA	B399	1100	TUBO200X100X6	0.085 = 0.039 + 0.043 + 0.002	Comb6	0.004	0.0003075	Non-Compact	2.9397	2.0112
CUBIERTA LTA	B400	1101	TUBO200X100X6	0.099 = 0.043 + 0.045 + 0.011	Comb6	0.007	0.001	Non-Compact	4.739	3.8105
CUBIERTA LTA	B401	1102	TUBO200X100X6	0.469 = 0.453 + 0.008 + 0.008	Comb6	0.001	0.001	Non-Compact	0.8783	0.241
CUBIERTA LTA	B402	1103	TUBO200X100X6	0.466 = 0.454 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.4156	0.7248
CUBIERTA LTA	B403	1104	TUBO200X100X6	0.677 = 0.624 + 0.037 + 0.015	Comb6	0.006	0.005	Non-Compact	3.6964	2.768
CUBIERTA LTA	B404	1105	TUBO200X100X6	0.708 = 0.654 + 0.039 + 0.015	Comb6	0.006	0.005	Non-Compact	2.8228	3.7737
CUBIERTA LTA	B405	1106	TUBO200X100X6	0.498 = 0.486 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.8009	0.4017
CUBIERTA LTA	B406	1107	TUBO200X100X6	0.501 = 0.485 + 0.008 + 0.008	Comb6	0.001	0.001	Non-Compact	0.2694	0.8411
CUBIERTA LTA	B407	1108	TUBO200X100X6	0.105 = 0.051 + 0.045 + 0.01	Comb6	0.007	0.001	Non-Compact	3.5071	4.458
CUBIERTA LTA	B408	1109	TUBO200X100X6	0.094 = 0.047 + 0.045 + 0.003	Comb6	0.005	0.0002379	Non-Compact	2.1677	3.1186
CUBIERTA LTA	B409	1110	TUBO200X100X6	0.058 = 0.001 + 0.056 + 0.001	Comb6	0.01	0.000256	Non-Compact	6.3884	5.4375
CUBIERTA LTA	B410	1152	TUBO200X100X6	0.031 = 0.001 + 0.03 + 0.001	Comb6	0.004	0.001	Non-Compact	2.0027	2.9312
CUBIERTA LTA	B411	1153	TUBO200X100X6	0.083 = 0.039 + 0.038 + 0.006	Comb6	0.004	0.0004992	Non-Compact	2.5349	1.6065
CUBIERTA LTA	B412	1154	TUBO200X100X6	0.089 = 0.043 + 0.045 + 0.001	Comb6	0.007	0.0001662	Non-Compact	4.7495	3.821
CUBIERTA LTA	B413	1155	TUBO200X100X6	0.477 = 0.464 + 0.01 + 0.004	Comb6	0.001	0.001	Non-Compact	0.853	0.2302
CUBIERTA LTA	B414	1156	TUBO200X100X6	0.475 = 0.465 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0.4011	0.7511
CUBIERTA LTA	B415	1157	TUBO200X100X6	0.704 = 0.64 + 0.04 + 0.024	Comb6	0.006	0.007	Non-Compact	3.9364	3.0079
CUBIERTA LTA	B416	1158	TUBO200X100X6	0.734 = 0.671 + 0.04 + 0.023	Comb6	0.006	0.006	Non-Compact	2.8594	3.8103
CUBIERTA LTA	B417	1159	TUBO200X100X6	0.508 = 0.497 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0.7962	0.3982
CUBIERTA LTA	B418	1160	TUBO200X100X6	0.51 = 0.496 + 0.01 + 0.005	Comb6	0.001	0.001	Non-Compact	0.2699	0.8395
CUBIERTA LTA	B419	1161	TUBO200X100X6	0.095 = 0.051 + 0.044 + 0	Comb6	0.007	0.0002427	Non-Compact	3.5133	4.4642
CUBIERTA	B420	1162	TUBO200X1	0.093 = 0.048 + 0.039	Comb6	0.004	0.001	Non-	1.7501	2.701

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0.007				Compact		
CUBIERTA LTA	B421	1163	TUBO200X100X6	0.032 = 0.001 + 0.031 + 3.465E-04	Comb6	0.004	0.001	Non-Compact	3.0099	2.059
CUBIERTA LTA	B422	1205	TUBO200X100X6	0.031 = 0.001 + 0.026 + 0.004	Comb6	0.004	0.0002023	Non-Compact	1.6289	2.5573
CUBIERTA LTA	B423	1206	TUBO200X100X6	0.083 = 0.041 + 0.038 + 0.004	Comb6	0.004	0.001	Non-Compact	2.5618	1.6334
CUBIERTA LTA	B424	1207	TUBO200X100X6	0.09 = 0.044 + 0.044 + 0.002	Comb6	0.007	0.0001081	Non-Compact	4.6677	3.7393
CUBIERTA LTA	B425	1208	TUBO200X100X6	0.472 = 0.459 + 0.011 + 0.002	Comb6	0.001	0.0002137	Non-Compact	0.84	0.2432
CUBIERTA LTA	B426	1209	TUBO200X100X6	0.469 = 0.46 + 0.007 + 0.002	Comb6	0.001	0.0001841	Non-Compact	0.3999	0.7528
CUBIERTA LTA	B427	1210	TUBO200X100X6	0.693 = 0.631 + 0.039 + 0.024	Comb6	0.006	0.006	Non-Compact	3.8504	2.9219
CUBIERTA LTA	B428	1211	TUBO200X100X6	0.722 = 0.66 + 0.039 + 0.023	Comb6	0.006	0.006	Non-Compact	2.7558	3.7067
CUBIERTA LTA	B429	1212	TUBO200X100X6	0.502 = 0.492 + 0.007 + 0.003	Comb6	0.001	0.0003457	Non-Compact	0.7998	0.3965
CUBIERTA LTA	B430	1213	TUBO200X100X6	0.505 = 0.491 + 0.011 + 0.003	Comb6	0.001	0.0002157	Non-Compact	0.2823	0.8271
CUBIERTA LTA	B431	1214	TUBO200X100X6	0.096 = 0.053 + 0.043 + 3.347E-04	Comb6	0.007	0.0002543	Non-Compact	3.4446	4.3955
CUBIERTA LTA	B432	1215	TUBO200X100X6	0.094 = 0.049 + 0.039 + 0.006	Comb6	0.004	0.001	Non-Compact	1.7802	2.7311
CUBIERTA LTA	B433	1216	TUBO200X100X6	0.031 = 0.001 + 0.028 + 0.003	Comb6	0.004	0.0003439	Non-Compact	2.629	1.6781
CUBIERTA LTA	B434	1258	TUBO200X100X6	0.056 = 0.001 + 0.054 + 0.001	Comb6	0.009	0.0002599	Non-Compact	5.3012	6.2297
CUBIERTA LTA	B435	1259	TUBO200X100X6	0.084 = 0.039 + 0.043 + 0.002	Comb6	0.004	0.0003004	Non-Compact	2.9297	2.0012
CUBIERTA LTA	B436	1260	TUBO200X100X6	0.098 = 0.042 + 0.045 + 0.011	Comb6	0.007	0.001	Non-Compact	4.7253	3.7969
CUBIERTA LTA	B437	1261	TUBO200X100X6	0.466 = 0.451 + 0.007 + 0.007	Comb6	0.001	0.001	Non-Compact	0.8852	0.2421
CUBIERTA LTA	B438	1262	TUBO200X100X6	0.463 = 0.452 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0.4131	0.7314
CUBIERTA LTA	B439	1263	TUBO200X100X6	0.677 = 0.622 + 0.038 + 0.017	Comb6	0.006	0.005	Non-Compact	3.7104	2.7819
CUBIERTA LTA	B440	1264	TUBO200X100X6	0.705 = 0.652 + 0.039 + 0.015	Comb6	0.006	0.005	Non-Compact	2.7936	3.7445
CUBIERTA LTA	B441	1265	TUBO200X100X6	0.497 = 0.485 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0.8009	0.4017
CUBIERTA LTA	B442	1266	TUBO200X100X6	0.5 = 0.484 + 0.01 + 0.006	Comb6	0.001	0.001	Non-Compact	0.2641	0.8551
CUBIERTA LTA	B443	1267	TUBO200X100X6	0.103 = 0.051 + 0.045 + 0.007	Comb6	0.007	0.001	Non-Compact	3.5106	4.4615
CUBIERTA LTA	B444	1268	TUBO200X100X6	0.096 = 0.047 + 0.045 + 0.004	Comb6	0.005	0	Non-Compact	2.157	3.1079
CUBIERTA LTA	B445	1269	TUBO200X100X6	0.059 = 0.001 + 0.056 + 0.002	Comb6	0.009	0.00024	Non-Compact	6.3697	5.4188
CUBIERTA LTA	B446	1311	TUBO200X100X6	0.034 = 0.001 + 0.031 + 0.002	Comb6	0.005	0.002	Non-Compact	2.1497	3.0782
CUBIERTA LTA	B447	1312	TUBO200X100X6	0.087 = 0.041 + 0.039 + 0.006	Comb6	0.004	0	Non-Compact	2.6388	1.7103
CUBIERTA LTA	B448	1313	TUBO200X100X6	0.095 = 0.045 + 0.047 + 0.003	Comb6	0.007	0	Non-Compact	4.9776	4.0492
CUBIERTA LTA	B449	1314	TUBO200X100X6	0.499 = 0.486 + 0.01 + 0.003	Comb6	0.001	0.001	Non-Compact	0.861	0.2236
CUBIERTA LTA	B450	1315	TUBO200X100X6	0.498 = 0.487 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0.4001	0.7532
CUBIERTA LTA	B451	1316	TUBO200X100X6	0.74 = 0.672 + 0.042 + 0.026	Comb6	0.006	0.007	Non-Compact	4.1048	3.1763
CUBIERTA LTA	B452	1317	TUBO200X100X6	0.767 = 0.704 + 0.041 + 0.022	Comb6	0.006	0.006	Non-Compact	2.9703	3.9212
CUBIERTA LTA	B453	1318	TUBO200X100X6	0.534 = 0.52 + 0.008 + 0.007	Comb6	0.001	0.001	Non-Compact	0.7903	0.4004
CUBIERTA	B454	1319	TUBO200X1	0.536 = 0.518 + 0.011	Comb6	0.001	0.001	Non-	0.2523	0.8571

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0.007				Compact		
CUBIERTA LTA	B455	1320	TUBO200X100X6	0.102 = 0.053 + 0.046 + 0.003	Comb6	0.007	0.0003803	Non-Compact	3.7272	4.6781
CUBIERTA LTA	B456	1321	TUBO200X100X6	0.1 = 0.049 + 0.041 + 0.011	Comb6	0.004	0.001	Non-Compact	1.8528	2.8037
CUBIERTA LTA	B457	1322	TUBO200X100X6	0.039 = 0.001 + 0.033 + 0.006	Comb6	0.005	0.002	Non-Compact	3.1352	2.1843
CUBIERTA LTA	B458	1364	TUBO200X100X6	0.045 = 1.551E-04 + 0.003 + 0.042	Comb6	0.001	0.008	Non-Compact	0.4693	0.6139
CUBIERTA LTA	B459	1365	TUBO200X100X6	0.243 = 0.215 + 0.007 + 0.02	Comb6	0.002	0.004	Non-Compact	1.3983	0.4699
CUBIERTA LTA	B460	1366	TUBO200X100X6	0.247 = 0.217 + 0.011 + 0.019	Comb6	0.002	0.005	Non-Compact	1.152	0.4709
CUBIERTA LTA	B461	1367	TUBO200X100X6	0.362 = 0.346 + 0.008 + 0.008	Comb6	0.001	0.001	Non-Compact	0.7549	0.3284
CUBIERTA LTA	B462	1368	TUBO200X100X6	0.366 = 0.346 + 0.015 + 0.005	Comb6	0.003	0.002	Non-Compact	1.1964	2.1249
CUBIERTA LTA	B463	1369	TUBO200X100X6	0.448 = 0.378 + 0.044 + 0.026	Comb6	0.008	0.004	Non-Compact	5.3328	4.4043
CUBIERTA LTA	B464	1370	TUBO200X100X6	0.46 = 0.398 + 0.039 + 0.022	Comb6	0.006	0.005	Non-Compact	2.8907	3.8416
CUBIERTA LTA	B465	1371	TUBO200X100X6	0.289 = 0.275 + 0.004 + 0.01	Comb6	0.001	0.002	Non-Compact	0.8025	0.435
CUBIERTA LTA	B466	1372	TUBO200X100X6	0.285 = 0.274 + 0.005 + 0.006	Comb6	0.001	0.001	Non-Compact	0.2534	0.856
CUBIERTA LTA	B467	1373	TUBO200X100X6	0.054 = 0.019 + 0.021 + 0.015	Comb6	0.004	0.002	Non-Compact	1.6064	2.5573
CUBIERTA LTA	B468	1374	TUBO200X100X6	0.052 = 0.017 + 0.001 + 0.034	Comb6	0.003	0.005	Non-Compact	0.8548	1.8057
CUBIERTA LTA	B469	1375	TUBO200X100X6	0.054 = 0.001 + 0.021 + 0.032	Comb6	0.003	0.008	Non-Compact	1.9895	1.0386
CUBIERTA LTA	B485	1469	TUBO200x100X4	0.107 = 0.029 + 0.072 + 0.006	Comb6	0.014	0.011	Slender	4.0974	1.6605
CUBIERTA LTA	B486	1470	TUBO200x100X4	0.118 = 0.03 + 0.074 + 0.015	Comb6	0.015	0.011	Slender	4.1658	1.693
CUBIERTA LTA	B487	1472	TUBO200x100X4	0.106 = 0.029 + 0.071 + 0.006	Comb6	0.014	0.013	Slender	4.0555	1.7154
CUBIERTA LTA	B488	1473	TUBO200x100X4	0.124 = 0.03 + 0.073 + 0.021	Comb6	0.014	0.01	Slender	3.914	1.2687
CUBIERTA LTA	B489	1475	TUBO200x100X4	0.106 = 0.03 + 0.072 + 0.004	Comb6	0.014	0.01	Slender	4.0883	1.6389
CUBIERTA LTA	B490	1477	TUBO200x100X4	0.105 = 0.029 + 0.071 + 0.005	Comb6	0.014	0.011	Slender	4.0722	1.6299
CUBIERTA LTA	B491	1478	TUBO200x100X4	0.119 = 0.03 + 0.073 + 0.016	Comb6	0.015	0.011	Slender	4.156	1.6672
CUBIERTA LTA	B492	1480	TUBO200x100X4	0.105 = 0.029 + 0.071 + 0.006	Comb6	0.014	0.013	Slender	4.0497	1.6492
CUBIERTA LTA	B493	1481	TUBO200x100X4	0.134 = 0.033 + 0.08 + 0.022	Comb6	0.016	0.005	Slender	4.475	0.5927
CUBIERTA LTA	B495	1485	TUBO200x100X4	0.11 = 0.03 + 0.073 + 0.007	Comb6	0.015	0.011	Slender	4.1893	1.7034
CUBIERTA LTA	B496	1486	TUBO200x100X4	0.12 = 0.03 + 0.075 + 0.015	Comb6	0.015	0.011	Slender	4.2579	1.737
CUBIERTA LTA	B497	1488	TUBO200x100X4	0.109 = 0.03 + 0.073 + 0.006	Comb6	0.015	0.012	Slender	4.1559	1.7062
CUBIERTA LTA	B498	1489	TUBO200x100X4	0.123 = 0.03 + 0.075 + 0.018	Comb6	0.015	0.01	Slender	4.2348	1.681
CUBIERTA LTA	B499	1491	TUBO200x100X4	0.109 = 0.031 + 0.073 + 0.005	Comb6	0.015	0.011	Slender	4.1847	1.6811
CUBIERTA LTA	B500	1493	TUBO200x100X4	0.108 = 0.03 + 0.073 + 0.005	Comb6	0.015	0.011	Slender	4.1633	1.6704
CUBIERTA LTA	B501	1494	TUBO200x100X4	0.122 = 0.03 + 0.075 + 0.017	Comb6	0.015	0.011	Slender	4.2473	1.7044
CUBIERTA LTA	B502	1496	TUBO200x100X4	0.106 = 0.03 + 0.072 + 0.004	Comb6	0.014	0.013	Slender	4.143	1.6735
CUBIERTA LTA	B503	1497	TUBO200x100X4	0.134 = 0.033 + 0.079 + 0.023	Comb6	0.016	0.01	Slender	4.4523	1.3737
CUBIERTA	B205	296	TUBO200X1	0.355 = 0.004 + 0.352	Comb6	0.057	0.0001115	Non-	36.5946	38.2398

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0				Compact		
CUBIERTA LTA	B222	297	TUBO200X100X6	0.351 = 0.002 + 0.349 + 0	Comb6	0.057	0.0001005	Non-Compact	38.1794	36.6549
CUBIERTA LTA	B284	299	TUBO200X100X6	0.344 = 0.003 + 0.342 + 0	Comb6	0.057	0.0001656	Non-Compact	36.6254	38.209
CUBIERTA LTA	B285	300	TUBO200x100X4	0.871 = 0.014 + 0.844 + 0.012	Comb6	0.13	0.003	Slender	37.2942	35.754
CUBIERTA LTA	B286	302	TUBO200X100X6	0.363 = 0.002 + 0.361 + 0	Comb6	0.056	0	Non-Compact	37.7671	37.0672
CUBIERTA LTA	B287	304	TUBO200X100X6	0.349 = 0.002 + 0.347 + 0	Comb6	0.056	0	Non-Compact	37.1967	37.6377
CUBIERTA LTA	B288	305	TUBO200X100X6	0.352 = 0.002 + 0.35 + 0	Comb6	0.058	0.0001851	Non-Compact	38.5899	36.2444
CUBIERTA LTA	B289	307	TUBO200X100X6	0.342 = 0.002 + 0.34 + 1.087E-04	Comb6	0.057	0.001	Non-Compact	36.7553	38.0791
CUBIERTA LTA	B470	308	TUBO200X100X6	0.462 = 0.002 + 0.46 + 0.001	Comb6	0.064	0.001	Non-Compact	42.6557	32.1786
CUBIERTA LTA	B155	1406	TUBO200x100X4	0.111 = 0.032 + 0.059 + 0.02	Comb6	0.013	0.003	Slender	0	3.4348
CUBIERTA LTA	B158	1407	TUBO200x100X4	0.075 = 0.031 + 0.039 + 0.005	Comb6	0.002	0.001	Slender	0.2202	0.4677
CUBIERTA LTA	B176	1408	TUBO200x100X4	0.067 = 0.03 + 0.035 + 0.002	Comb6	0.006	0.001	Slender	1.5079	1.7554
CUBIERTA LTA	B197	1409	TUBO200x100X4	0.083 = 0.01 + 0.037 + 0.036	Comb6	0.008	0.005	Slender	2.215	1.9675
CUBIERTA LTA	B216	1410	TUBO200x100X4	0.059 = 0.009 + 0.017 + 0.033	Comb6	0.004	0.006	Slender	1.0278	1.2647
CUBIERTA LTA	B258	1411	TUBO200x100X4	0.112 = 0.033 + 0.06 + 0.019	Comb6	0.013	0.003	Slender	0	3.5443
CUBIERTA LTA	B259	1412	TUBO200x100X4	0.076 = 0.032 + 0.039 + 0.005	Comb6	0.002	0.001	Slender	0.1942	0.4417
CUBIERTA LTA	B260	1413	TUBO200x100X4	0.068 = 0.031 + 0.035 + 0.002	Comb6	0.006	0.001	Slender	1.5199	1.7674
CUBIERTA LTA	B261	1414	TUBO200x100X4	0.085 = 0.01 + 0.038 + 0.037	Comb6	0.008	0.005	Slender	2.2683	2.0208
CUBIERTA LTA	B262	1415	TUBO200x100X4	0.06 = 0.009 + 0.017 + 0.034	Comb6	0.004	0.006	Slender	1.0312	1.268
CUBIERTA LTA	B471	1416	TUBO200X100X6	0.365 = 0.01 + 0.354 + 0.001	Comb6	0.06	0.0002175	Non-Compact	0	0
CUBIERTA LTA	B472	1417	TUBO200X100X6	0.334 = 0.007 + 0.327 + 0	Comb6	0.032	0	Non-Compact	0	0
CUBIERTA LTA	B473	1418	TUBO200X100X6	0.355 = 0.004 + 0.352 + 0	Comb6	0.005	0	Non-Compact	0	0
CUBIERTA LTA	B474	1419	TUBO200X100X6	0.341 = 0.001 + 0.34 + 0	Comb6	0.024	0	Non-Compact	0	0
CUBIERTA LTA	B475	1420	TUBO200X100X6	0.226 = 0.001 + 0.224 + 0	Comb6	0.051	0	Non-Compact	0	34.519
CUBIERTA LTA	B476	1421	TUBO200X100X6	0.291 = 0.003 + 0.279 + 0.009	Comb6	0.047	0.008	Non-Compact	0	0
CUBIERTA LTA	B483	1422	TUBO200X100X6	0.423 = 0.001 + 0.42 + 0.001	Comb6	0.019	0.002	Non-Compact	0	0
CUBIERTA LTA	B484	1423	TUBO200X100X6	0.425 = 3.705E-04 + 0.424 + 0.001	Comb6	0.009	0.0001166	Non-Compact	0	0
CUBIERTA LTA	B505	1424	TUBO200X100X6	0.374 = 0.002 + 0.369 + 0.002	Comb6	0.036	0.006	Non-Compact	0	0
CUBIERTA LTA	B506	1425	TUBO200X100X6	0.404 = 0.004 + 0.353 + 0.047	Comb6	0.063	0.015	Non-Compact	0	42.562
CUBIERTA LTA	B507	1426	TUBO200X100X6	0.3 = 0.003 + 0.288 + 0.009	Comb6	0.047	0.008	Non-Compact	0	0
CUBIERTA LTA	B508	1427	TUBO200X100X6	0.434 = 0.001 + 0.431 + 0.001	Comb6	0.019	0.002	Non-Compact	0	0
CUBIERTA LTA	B517	1428	TUBO200X100X6	0.436 = 4.483E-04 + 0.435 + 0.001	Comb6	0.009	0	Non-Compact	0	0
CUBIERTA LTA	B518	1429	TUBO200X100X6	0.382 = 0.002 + 0.378 + 0.002	Comb6	0.037	0.006	Non-Compact	0	0
CUBIERTA LTA	B519	1430	TUBO200X100X6	0.415 = 0.004 + 0.364 + 0.047	Comb6	0.065	0.015	Non-Compact	0	43.6586
CUBIERTA	B521	1432	TUBO100X1	0.659 = 0.001 + 0.658	Comb6	0.059	0	Slender	0	9.5348

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			50	+ 0						
CUBIERTA LTA	B522	1433	TUBO100X150	0.675 = 0.009 + 0.666 + 0	Comb6	0.06	0	Slender	0	0
CUBIERTA LTA	B523	1434	TUBO100X150	0.645 = 0.008 + 0.637 + 0	Comb6	0.058	0	Slender	0	0
CUBIERTA LTA	B524	1435	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B525	1436	TUBO100X150	0.659 = 4.349E-04 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B526	1437	TUBO100X150	0.667 = 4.382E-04 + 0.666 + 0	Comb6	0.06	0	Slender	0	0
CUBIERTA LTA	B527	1438	TUBO100X150	0.637 = 4.156E-04 + 0.637 + 0	Comb6	0.058	0	Slender	0	0
CUBIERTA LTA	B528	1439	TUBO100X150	0.63 = 4.339E-04 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B529	1440	TUBO100X150	0.659 = 3.442E-04 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B530	1441	TUBO100X150	0.669 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	0	0
CUBIERTA LTA	B531	1442	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	0
CUBIERTA LTA	B532	1443	TUBO100X150	0.629 = 3.313E-04 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B533	1444	TUBO100X150	0.665 = 0.007 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B534	1445	TUBO100X150	0.701 = 0.034 + 0.666 + 0	Comb6	0.06	0	Slender	0	0
CUBIERTA LTA	B535	1446	TUBO100X150	0.669 = 0.033 + 0.637 + 0	Comb6	0.058	0	Slender	0	0
CUBIERTA LTA	B536	1447	TUBO100X150	0.635 = 0.006 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B537	1464	TUBO70X70	0.029 = 0.006 + 0.019 + 0.004	Comb6	0.001	0.0003755	Non-Compact	0.0736	0.0287
CUBIERTA LTA	B538	1506	TUBO70X70	0.03 = 0.006 + 0.019 + 0.004	Comb6	0.002	0.0003716	Non-Compact	0.0738	0.0288
CUBIERTA LTA	B539	1510	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B540	1511	TUBO100X150	0.669 = 0.003 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B541	1512	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B542	1513	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B543	1514	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B544	1515	TUBO100X150	0.686 = 0.02 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B545	1516	TUBO100X150	0.656 = 0.019 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B546	1517	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B547	1518	TUBO100X150	0.659 = 4.847E-04 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B548	1519	TUBO100X150	0.669 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B549	1520	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B550	1521	TUBO100X150	0.63 = 4.666E-04 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B551	1522	TUBO100X150	0.669 = 0.01 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B552	1523	TUBO100X150	0.822 = 0.229 + 0.592 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B553	1524	TUBO100X150	0.794 = 0.228 + 0.566 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B554	1525	TUBO100X150	0.639 = 0.01 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B555	1530	TUBO70X70	0.023 = 0.002 + 0.018	Comb6	0.001	0.0003925	Non-	0.0711	0.0281

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA				+ 0.003				Compact		
CUBIERTAA LTA	B556	1538	TUBO70X70	0.024 = 0.002 + 0.018 + 0.003	Comb6	0.001	0.0003986	Non-Compact	0.0717	0.0282
CUBIERTAA LTA	B562	1547	TUBO200X100X6	0.277 = 0.007 + 0.267 + 0.003	Comb6	0.053	0.003	Non-Compact	35.7989	0
CUBIERTAA LTA	B563	1548	TUBO200X100X6	0.343 = 0.004 + 0.338 + 0.001	Comb6	0.026	0.003	Non-Compact	0	0
CUBIERTAA LTA	B564	1549	TUBO200X100X6	0.337 = 0.001 + 0.335 + 0.001	Comb6	0.002	0.0003025	Non-Compact	0	0
CUBIERTAA LTA	B565	1550	TUBO200X100X6	0.328 = 0.001 + 0.326 + 0.001	Comb6	0.029	0.005	Non-Compact	0	0
CUBIERTAA LTA	B566	1551	TUBO200X100X6	0.329 = 0.003 + 0.303 + 0.022	Comb6	0.057	0.009	Non-Compact	0	38.0057
CUBIERTAA LTA	B567	1552	TUBO200X100X6	0.283 = 0.008 + 0.272 + 0.003	Comb6	0.055	0.003	Non-Compact	36.5866	0
CUBIERTAA LTA	B568	1553	TUBO200X100X6	0.351 = 0.004 + 0.346 + 0.001	Comb6	0.027	0.003	Non-Compact	0	0
CUBIERTAA LTA	B569	1554	TUBO200X100X6	0.345 = 0.001 + 0.344 + 0.001	Comb6	0.002	0.0003047	Non-Compact	0	0
CUBIERTAA LTA	B570	1555	TUBO200X100X6	0.336 = 0.001 + 0.333 + 0.001	Comb6	0.03	0.005	Non-Compact	0	0
CUBIERTAA LTA	B571	1556	TUBO200X100X6	0.335 = 0.003 + 0.309 + 0.022	Comb6	0.058	0.009	Non-Compact	0	38.8406
CUBIERTAA LTA	B572	1557	TUBO100X150	0.66 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B573	1558	TUBO100X150	0.669 = 0.003 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B574	1559	TUBO100X150	0.64 = 0.003 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B575	1560	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B576	1561	TUBO100X150	0.66 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B577	1562	TUBO100X150	0.686 = 0.02 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B578	1563	TUBO100X150	0.656 = 0.019 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B579	1564	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B580	1565	TUBO100X150	0.659 = 3.122E-04 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B581	1566	TUBO100X150	0.668 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B582	1567	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B583	1568	TUBO100X150	0.629 = 2.967E-04 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B584	1569	TUBO100X150	0.669 = 0.011 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B585	1570	TUBO100X150	0.822 = 0.229 + 0.592 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B586	1571	TUBO100X150	0.794 = 0.228 + 0.566 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B587	1572	TUBO100X150	0.639 = 0.01 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B588	1577	TUBO70X70	0.022 = 0.002 + 0.018 + 0.003	Comb6	0.001	0.001	Non-Compact	0.0703	0.028
CUBIERTAA LTA	B589	1585	TUBO70X70	0.022 = 0.002 + 0.018 + 0.003	Comb6	0.001	0.001	Non-Compact	0.0709	0.0281
CUBIERTAA LTA	B591	1590	TUBO200X100X6	0.304 = 0.008 + 0.295 + 0.001	Comb6	0.055	0.003	Non-Compact	36.7511	0
CUBIERTAA LTA	B592	1591	TUBO200X100X6	0.337 = 0.004 + 0.332 + 2.827E-04	Comb6	0.028	0.003	Non-Compact	0	0
CUBIERTAA LTA	B593	1592	TUBO200X100X6	0.331 = 0.001 + 0.33 + 2.827E-04	Comb6	0.001	0.000233	Non-Compact	0	0
CUBIERTAA LTA	B594	1593	TUBO200X100X6	0.333 = 0.001 + 0.331 + 0.001	Comb6	0.028	0.005	Non-Compact	0	0
CUBIERTAA	B595	1594	TUBO200X1	0.302 = 0.003 + 0.277	Comb6	0.055	0.009	Non-	0	37.0535

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0.022				Compact		
CUBIERTA LTA	B596	1595	TUBO200X100X6	0.31 = 0.008 + 0.301 + 0.001	Comb6	0.056	0.003	Non-Compact	37.5591	0
CUBIERTA LTA	B597	1596	TUBO200X100X6	0.345 = 0.005 + 0.34 + 2.943E-04	Comb6	0.028	0.003	Non-Compact	0	0
CUBIERTA LTA	B598	1597	TUBO200X100X6	0.339 = 0.001 + 0.338 + 2.943E-04	Comb6	0.001	0.0002447	Non-Compact	0	0
CUBIERTA LTA	B599	1598	TUBO200X100X6	0.341 = 0.001 + 0.339 + 0.001	Comb6	0.029	0.005	Non-Compact	0	0
CUBIERTA LTA	B600	1599	TUBO200X100X6	0.307 = 0.003 + 0.282 + 0.022	Comb6	0.056	0.009	Non-Compact	0	37.8682
CUBIERTA LTA	B602	1601	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B603	1602	TUBO100X150	0.668 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B604	1603	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B605	1604	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B606	1605	TUBO100X150	0.66 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B607	1606	TUBO100X150	0.685 = 0.019 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B608	1607	TUBO100X150	0.656 = 0.019 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B609	1608	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B610	1609	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B611	1610	TUBO100X150	0.669 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B612	1611	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B613	1612	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B614	1613	TUBO100X150	0.669 = 0.011 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B615	1614	TUBO100X150	0.8 = 0.208 + 0.592 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B616	1615	TUBO100X150	0.772 = 0.206 + 0.566 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B617	1616	TUBO100X150	0.64 = 0.011 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B618	1621	TUBO70X70	0.024 = 0.003 + 0.018 + 0.003	Comb6	0.001	0.0003963	Non-Compact	0.0703	0.0279
CUBIERTA LTA	B619	1629	TUBO70X70	0.024 = 0.003 + 0.018 + 0.003	Comb6	0.001	0.0004059	Non-Compact	0.0712	0.0281
CUBIERTA LTA	B620	1633	TUBO200X100X6	0.279 = 0.007 + 0.268 + 0.004	Comb6	0.053	0.002	Non-Compact	35.5518	0
CUBIERTA LTA	B621	1634	TUBO200X100X6	0.336 = 0.004 + 0.332 + 0.001	Comb6	0.026	0.003	Non-Compact	0	0
CUBIERTA LTA	B622	1635	TUBO200X100X6	0.331 = 0.001 + 0.329 + 0.001	Comb6	0.003	0.0002456	Non-Compact	0	0
CUBIERTA LTA	B623	1636	TUBO200X100X6	0.319 = 0.001 + 0.317 + 0.001	Comb6	0.03	0.005	Non-Compact	0	0
CUBIERTA LTA	B624	1637	TUBO200X100X6	0.331 = 0.003 + 0.318 + 0.01	Comb6	0.057	0.007	Non-Compact	0	38.2528
CUBIERTA LTA	B625	1638	TUBO200X100X6	0.287 = 0.008 + 0.274 + 0.005	Comb6	0.054	0.002	Non-Compact	36.552	0
CUBIERTA LTA	B626	1639	TUBO200X100X6	0.348 = 0.004 + 0.343 + 0.001	Comb6	0.027	0.003	Non-Compact	0	0
CUBIERTA LTA	B627	1640	TUBO200X100X6	0.342 = 0.001 + 0.341 + 0.001	Comb6	0.002	0.0002863	Non-Compact	0	0
CUBIERTA LTA	B628	1641	TUBO200X100X6	0.332 = 0.001 + 0.33 + 0.001	Comb6	0.03	0.005	Non-Compact	0	0
CUBIERTA LTA	B629	1642	TUBO200X100X6	0.33 = 0.003 + 0.313 + 0.013	Comb6	0.058	0.007	Non-Compact	0	38.8752
CUBIERTA	B630	1643	TUBO100X1	0.66 = 0.002 + 0.658	Comb6	0.059	0	Slender	0	9.5348

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			50	+ 0						
CUBIERTA LTA	B631	1644	TUBO100X150	0.668 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B632	1645	TUBO100X150	0.638 = 0.001 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B633	1646	TUBO100X150	0.631 = 0.002 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B634	1647	TUBO100X150	0.66 = 0.002 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B635	1648	TUBO100X150	0.684 = 0.018 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B636	1649	TUBO100X150	0.652 = 0.015 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B637	1650	TUBO100X150	0.631 = 0.002 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B638	1651	TUBO100X150	0.659 = 3.749E-04 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B639	1652	TUBO100X150	0.668 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B640	1653	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B641	1654	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B642	1655	TUBO100X150	0.668 = 0.01 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B643	1656	TUBO100X150	0.755 = 0.089 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B644	1657	TUBO100X150	0.715 = 0.078 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B645	1658	TUBO100X150	0.639 = 0.01 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B646	1663	TUBO70X70	0.025 = 0.001 + 0.02 + 0.003	Comb6	0.002	0.001	Non-Compact	0.0807	0.0302
CUBIERTA LTA	B647	1671	TUBO70X70	0.023 = 0.002 + 0.018 + 0.003	Comb6	0.001	0.001	Non-Compact	0.0712	0.0282
CUBIERTA LTA	B648	1675	TUBO200x100X4	0.848 = 0.018 + 0.782 + 0.048	Comb6	0.126	0.004	Slender	35.9296	0
CUBIERTA LTA	B649	1676	TUBO200x100X4	0.644 = 0.011 + 0.632 + 0.001	Comb6	0.063	0.002	Slender	0	0
CUBIERTA LTA	B650	1677	TUBO200x100X4	0.627 = 0.004 + 0.618 + 0.005	Comb6	0.001	0.001	Slender	0	0
CUBIERTA LTA	B651	1678	TUBO200x100X4	0.637 = 0.002 + 0.631 + 0.004	Comb6	0.063	0.006	Slender	0	0
CUBIERTA LTA	B652	1679	TUBO200x100X4	0.759 = 0.006 + 0.73 + 0.022	Comb6	0.126	0.01	Slender	0	36.089
CUBIERTA LTA	B653	1680	TUBO200X100X6	0.352 = 0.005 + 0.347 + 0	Comb6	0.028	0.002	Non-Compact	0	0
CUBIERTA LTA	B654	1681	TUBO200X100X6	0.35 = 0.001 + 0.348 + 0.001	Comb6	0.001	0.0002458	Non-Compact	0	0
CUBIERTA LTA	B655	1682	TUBO200X100X6	0.35 = 0.001 + 0.347 + 0.001	Comb6	0.028	0.004	Non-Compact	0	0
CUBIERTA LTA	B656	1683	TUBO200X100X6	0.287 = 0.003 + 0.277 + 0.007	Comb6	0.056	0.006	Non-Compact	0	37.7712
CUBIERTA LTA	B657	1684	TUBO200X100X6	0.325 = 0.008 + 0.301 + 0.016	Comb6	0.056	0.001	Non-Compact	37.656	0
CUBIERTA LTA	B658	1685	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B659	1686	TUBO100X150	0.668 = 0.001 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B660	1687	TUBO100X150	0.638 = 0.001 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B661	1688	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B662	1689	TUBO100X150	0.66 = 0.002 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B663	1690	TUBO100X150	0.686 = 0.02 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA	B664	1691	TUBO100X1	0.656 = 0.019 + 0.637	Comb6	0.058	0	Slender	0	9.378

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			50	+ 0						
CUBIERTA LTA	B665	1692	TUBO100X150	0.631 = 0.002 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B666	1693	TUBO100X150	0.659 = 3.868E-04 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B667	1694	TUBO100X150	0.668 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B668	1695	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B669	1696	TUBO100X150	0.629 = 3.721E-04 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B670	1697	TUBO100X150	0.669 = 0.01 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B671	1698	TUBO100X150	0.802 = 0.209 + 0.592 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B672	1699	TUBO100X150	0.774 = 0.208 + 0.566 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B673	1700	TUBO100X150	0.639 = 0.01 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B674	1705	TUBO70X70	0.022 = 0.002 + 0.018 + 0.002	Comb6	0.001	0.000365	Non-Compact	0.0712	0.0281
CUBIERTA LTA	B675	1713	TUBO70X70	0.022 = 0.002 + 0.018 + 0.002	Comb6	0.001	0.0003579	Non-Compact	0.0718	0.0282
CUBIERTA LTA	B676	1717	TUBO200X100X6	0.293 = 0.008 + 0.272 + 0.013	Comb6	0.054	0.0001566	Non-Compact	36.3139	0
CUBIERTA LTA	B677	1718	TUBO200X100X6	0.35 = 0.004 + 0.345 + 0.001	Comb6	0.027	0.002	Non-Compact	0	0
CUBIERTA LTA	B678	1719	TUBO200X100X6	0.344 = 0.001 + 0.342 + 0.001	Comb6	0.001	0.0002948	Non-Compact	0	0
CUBIERTA LTA	B679	1720	TUBO200X100X6	0.34 = 0.001 + 0.338 + 0.001	Comb6	0.029	0.005	Non-Compact	0	0
CUBIERTA LTA	B680	1721	TUBO200X100X6	0.297 = 0.003 + 0.279 + 0.014	Comb6	0.056	0.008	Non-Compact	0	37.4907
CUBIERTA LTA	B681	1722	TUBO200X100X6	0.357 = 0.004 + 0.352 + 0.001	Comb6	0.028	0.002	Non-Compact	0	0
CUBIERTA LTA	B682	1723	TUBO200X100X6	0.351 = 0.001 + 0.349 + 0.001	Comb6	0.001	0.0003115	Non-Compact	0	0
CUBIERTA LTA	B683	1724	TUBO200X100X6	0.348 = 0.001 + 0.346 + 0.001	Comb6	0.029	0.005	Non-Compact	0	0
CUBIERTA LTA	B684	1725	TUBO200X100X6	0.301 = 0.003 + 0.284 + 0.014	Comb6	0.057	0.008	Non-Compact	0	38.2647
CUBIERTA LTA	B685	1726	TUBO200X100X6	0.3 = 0.008 + 0.279 + 0.013	Comb6	0.055	0.0001538	Non-Compact	37.1626	0
CUBIERTA LTA	B686	1727	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B687	1728	TUBO100X150	0.668 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B688	1729	TUBO100X150	0.638 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B689	1730	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B690	1731	TUBO100X150	0.66 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B691	1732	TUBO100X150	0.685 = 0.019 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B692	1733	TUBO100X150	0.655 = 0.018 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B693	1734	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA LTA	B694	1735	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA LTA	B695	1736	TUBO100X150	0.669 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA LTA	B696	1737	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA LTA	B697	1738	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA	B698	1739	TUBO100X1	0.669 = 0.011 + 0.658	Comb6	0.059	0	Slender	0	9.5348

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			50	+ 0						
CUBIERTAA LTA	B699	1740	TUBO100X150	0.766 = 0.1 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B700	1741	TUBO100X150	0.737 = 0.1 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B701	1742	TUBO100X150	0.639 = 0.01 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B702	1747	TUBO70X70	0.024 = 0.003 + 0.018 + 0.004	Comb6	0.001	0.0004259	Non-Compact	0.0707	0.028
CUBIERTAA LTA	B703	1755	TUBO70X70	0.024 = 0.003 + 0.018 + 0.004	Comb6	0.001	0.0004247	Non-Compact	0.0714	0.0282
CUBIERTAA LTA	B704	1759	TUBO200X100X6	0.291 = 0.007 + 0.272 + 0.011	Comb6	0.054	0.00029	Non-Compact	35.9545	0
CUBIERTAA LTA	B705	1760	TUBO200X100X6	0.341 = 0.004 + 0.337 + 0.001	Comb6	0.026	0.002	Non-Compact	0	0
CUBIERTAA LTA	B706	1761	TUBO200X100X6	0.336 = 0.001 + 0.334 + 0.001	Comb6	0.002	0.0002752	Non-Compact	0	0
CUBIERTAA LTA	B707	1762	TUBO200X100X6	0.328 = 0.001 + 0.326 + 0.001	Comb6	0.029	0.005	Non-Compact	0	0
CUBIERTAA LTA	B708	1763	TUBO200X100X6	0.313 = 0.003 + 0.299 + 0.01	Comb6	0.056	0.007	Non-Compact	0	37.8501
CUBIERTAA LTA	B709	1764	TUBO200X100X6	0.35 = 0.004 + 0.345 + 0.001	Comb6	0.027	0.002	Non-Compact	0	0
CUBIERTAA LTA	B710	1765	TUBO200X100X6	0.344 = 0.001 + 0.342 + 0.001	Comb6	0.002	0.0002826	Non-Compact	0	0
CUBIERTAA LTA	B711	1766	TUBO200X100X6	0.336 = 0.001 + 0.334 + 0.001	Comb6	0.03	0.005	Non-Compact	0	0
CUBIERTAA LTA	B712	1767	TUBO200X100X6	0.32 = 0.003 + 0.307 + 0.01	Comb6	0.058	0.007	Non-Compact	0	38.7311
CUBIERTAA LTA	B713	1768	TUBO200X100X6	0.295 = 0.008 + 0.276 + 0.011	Comb6	0.055	0.0003305	Non-Compact	36.6961	0
CUBIERTAA LTA	B714	1769	TUBO100X150	0.66 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B715	1770	TUBO100X150	0.669 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B716	1771	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B717	1772	TUBO100X150	0.631 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B718	1773	TUBO100X150	0.66 = 0.002 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B719	1774	TUBO100X150	0.685 = 0.019 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B720	1775	TUBO100X150	0.656 = 0.019 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B721	1776	TUBO100X150	0.631 = 0.002 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B722	1777	TUBO100X150	0.659 = 3.703E-04 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B723	1778	TUBO100X150	0.668 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B724	1779	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B725	1780	TUBO100X150	0.629 = 3.536E-04 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B726	1781	TUBO100X150	0.669 = 0.011 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B727	1782	TUBO100X150	0.799 = 0.206 + 0.592 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B728	1783	TUBO100X150	0.774 = 0.208 + 0.566 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B729	1784	TUBO100X150	0.639 = 0.01 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B730	1789	TUBO70X70	0.022 = 0.002 + 0.018 + 0.003	Comb6	0.001	0.001	Non-Compact	0.0702	0.028
CUBIERTAA LTA	B731	1797	TUBO70X70	0.023 = 0.002 + 0.018 + 0.003	Comb6	0.001	0.001	Non-Compact	0.0708	0.0281
CUBIERTAA	B732	1801	TUBO200X1	0.316 = 0.008 + 0.298	Comb6	0.055	0.001	Non-	36.8758	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 0.009				Compact		
CUBIERTA_A LTA	B733	1802	TUBO200X100X6	0.336 = 0.004 + 0.332 + 2.102E-04	Comb6	0.028	0.002	Non-Compact	0	0
CUBIERTA_A LTA	B734	1803	TUBO200X100X6	0.331 = 0.001 + 0.329 + 4.18E-04	Comb6	0.001	0.0002187	Non-Compact	0	0
CUBIERTA_A LTA	B735	1804	TUBO200X100X6	0.334 = 0.001 + 0.331 + 0.001	Comb6	0.028	0.005	Non-Compact	0	0
CUBIERTA_A LTA	B736	1805	TUBO200X100X6	0.29 = 0.003 + 0.273 + 0.014	Comb6	0.055	0.008	Non-Compact	0	36.9288
CUBIERTA_A LTA	B737	1806	TUBO200X100X6	0.345 = 0.005 + 0.34 + 1.962E-04	Comb6	0.028	0.002	Non-Compact	0	0
CUBIERTA_A LTA	B738	1807	TUBO200X100X6	0.339 = 0.001 + 0.337 + 4.381E-04	Comb6	0.001	0.0002208	Non-Compact	0	0
CUBIERTA_A LTA	B739	1808	TUBO200X100X6	0.341 = 0.001 + 0.339 + 0.001	Comb6	0.029	0.005	Non-Compact	0	0
CUBIERTA_A LTA	B740	1809	TUBO200X100X6	0.297 = 0.003 + 0.282 + 0.013	Comb6	0.056	0.007	Non-Compact	0	37.8334
CUBIERTA_A LTA	B741	1810	TUBO200X100X6	0.32 = 0.008 + 0.302 + 0.01	Comb6	0.056	0.0004125	Non-Compact	37.5938	0
CUBIERTA_A LTA	B742	1811	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA_A LTA	B743	1812	TUBO100X150	0.668 = 0.001 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA_A LTA	B744	1813	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA_A LTA	B745	1814	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA_A LTA	B746	1815	TUBO100X150	0.66 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA_A LTA	B747	1816	TUBO100X150	0.684 = 0.018 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA_A LTA	B748	1817	TUBO100X150	0.656 = 0.019 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA_A LTA	B749	1818	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA_A LTA	B750	1819	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA_A LTA	B751	1820	TUBO100X150	0.669 = 0.002 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA_A LTA	B752	1821	TUBO100X150	0.639 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA_A LTA	B753	1822	TUBO100X150	0.63 = 0.001 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA_A LTA	B754	1823	TUBO100X150	0.67 = 0.012 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTA_A LTA	B755	1824	TUBO100X150	0.766 = 0.1 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTA_A LTA	B756	1825	TUBO100X150	0.778 = 0.212 + 0.566 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTA_A LTA	B757	1826	TUBO100X150	0.641 = 0.012 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTA_A LTA	B758	1831	TUBO70X70	0.024 = 0.003 + 0.018 + 0.004	Comb6	0.001	0.000421	Non-Compact	0.0706	0.028
CUBIERTA_A LTA	B759	1839	TUBO70X70	0.025 = 0.003 + 0.018 + 0.004	Comb6	0.001	0.0004355	Non-Compact	0.0713	0.0281
CUBIERTA_A LTA	B760	1843	TUBO200X100X6	0.29 = 0.007 + 0.273 + 0.01	Comb6	0.053	0.001	Non-Compact	35.7627	0
CUBIERTA_A LTA	B761	1844	TUBO200X100X6	0.336 = 0.004 + 0.331 + 0.001	Comb6	0.026	0.002	Non-Compact	0	0
CUBIERTA_A LTA	B762	1845	TUBO200X100X6	0.33 = 0.001 + 0.329 + 0.001	Comb6	0.002	0.0002816	Non-Compact	0	0
CUBIERTA_A LTA	B763	1846	TUBO200X100X6	0.321 = 0.001 + 0.319 + 0.001	Comb6	0.029	0.005	Non-Compact	0	0
CUBIERTA_A LTA	B764	1847	TUBO200X100X6	0.323 = 0.003 + 0.311 + 0.009	Comb6	0.057	0.007	Non-Compact	0	38.042
CUBIERTA_A LTA	B765	1848	TUBO200X100X6	0.346 = 0.005 + 0.341 + 3.861E-04	Comb6	0.026	0.002	Non-Compact	0	0
CUBIERTA_A	B766	1849	TUBO200X1	0.34 = 0.002 + 0.338	Comb6	0.003	0.000215	Non-	0	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			00X6	+ 3.861E-04				Compact		
CUBIERTAA LTA	B767	1850	TUBO200X100X6	0.325 = 0.001 + 0.323 + 0.001	Comb6	0.031	0.005	Non-Compact	0	0
CUBIERTAA LTA	B768	1851	TUBO200X100X6	0.336 = 0.003 + 0.329 + 0.004	Comb6	0.059	0.006	Non-Compact	0	39.2522
CUBIERTAA LTA	B769	1852	TUBO200X100X6	0.291 = 0.008 + 0.268 + 0.015	Comb6	0.054	0.0004387	Non-Compact	36.1751	0
CUBIERTAA LTA	B770	1854	TUBO100X150	0.66 = 0.002 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B771	1855	TUBO100X150	0.667 = 0.001 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B772	1856	TUBO100X150	0.638 = 0.002 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B773	1857	TUBO100X150	0.631 = 0.002 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B774	1858	TUBO100X150	0.66 = 0.002 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B775	1859	TUBO100X150	0.684 = 0.018 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B776	1860	TUBO100X150	0.657 = 0.02 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B777	1861	TUBO100X150	0.632 = 0.002 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B778	1862	TUBO100X150	0.659 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B779	1863	TUBO100X150	0.668 = 0.001 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B780	1864	TUBO100X150	0.638 = 0.001 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B781	1865	TUBO100X150	0.629 = 0 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B782	1866	TUBO100X150	0.66 = 0.001 + 0.658 + 0	Comb6	0.059	0	Slender	0	9.5348
CUBIERTAA LTA	B783	1867	TUBO100X150	0.721 = 0.055 + 0.666 + 0	Comb6	0.06	0	Slender	9.5925	0
CUBIERTAA LTA	B784	1868	TUBO100X150	0.699 = 0.062 + 0.637 + 0	Comb6	0.058	0	Slender	0	9.378
CUBIERTAA LTA	B785	1869	TUBO100X150	0.633 = 0.004 + 0.629 + 0	Comb6	0.058	0	Slender	9.3203	0
CUBIERTAA LTA	B786	1874	TUBO70X70	0.023 = 0.002 + 0.02 + 0.001	Comb6	0.002	0.0004978	Non-Compact	0.0759	0.0288
CUBIERTAA LTA	B787	1882	TUBO70X70	0.026 = 0.001 + 0.019 + 0.006	Comb6	0.002	0.001	Non-Compact	0.0751	0.0287
CUBIERTAA LTA	B788	1886	TUBO200X100X6	0.369 = 0.008 + 0.335 + 0.026	Comb6	0.061	0.003	Non-Compact	40.5816	0
CUBIERTAA LTA	B789	1887	TUBO200X100X6	0.385 = 0.005 + 0.379 + 0.001	Comb6	0.033	0.002	Non-Compact	0	0
CUBIERTAA LTA	B790	1888	TUBO200X100X6	0.422 = 0.002 + 0.418 + 0.002	Comb6	0.006	0.0002491	Non-Compact	0	0
CUBIERTAA LTA	B791	1889	TUBO200X100X6	0.424 = 0.001 + 0.421 + 0.002	Comb6	0.022	0.004	Non-Compact	0	0
CUBIERTAA LTA	B792	1890	TUBO200X100X6	0.281 = 0.003 + 0.259 + 0.02	Comb6	0.05	0.005	Non-Compact	0	33.223
CUBIERTAA LTA	B793	1891	TUBO200X100X6	0.41 = 0.003 + 0.405 + 0.001	Comb6	0.004	0.0004728	Non-Compact	0	0
CUBIERTAA LTA	B794	1892	TUBO200X100X6	0.41 = 1.862E-04 + 0.409 + 0.001	Comb6	0.025	0.004	Non-Compact	0	0
CUBIERTAA LTA	B795	1893	TUBO200X100X6	0.25 = 0.002 + 0.225 + 0.023	Comb6	0.053	0.011	Non-Compact	0	35.4959
CUBIERTAA LTA	B796	1894	TUBO200X100X6	0.358 = 0.01 + 0.313 + 0.035	Comb6	0.06	0.005	Non-Compact	39.9314	0
CUBIERTAA LTA	B559	1932	TUBO100X150	0.531 = 0.028 + 0.492 + 0.012	Comb6	0.064	0.0001952	Slender	0	8.7228
CUBIERTAA LTA	B560	1933	TUBO100X150	0.537 = 0.055 + 0.452 + 0.031	Comb6	0.06	0.001	Slender	0	0
CUBIERTAA LTA	B561	1934	TUBO100X150	0.511 = 0.052 + 0.428 + 0.032	Comb6	0.059	0.001	Slender	0	0
CUBIERTAA	B590	1935	TUBO100X1	0.509 = 0.026 + 0.47	Comb6	0.063	0.0001096	Slender	8.5228	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			50	+ 0.014						
CUBIERTA LTA	B601	1936	TUBO100X150	0.488 = 0.008 + 0.47 + 0.01	Comb6	0.064	0.001	Slender	0	8.7575
CUBIERTA LTA	B797	1937	TUBO100X150	0.482 = 0.004 + 0.461 + 0.017	Comb6	0.061	0.001	Slender	0	0
CUBIERTA LTA	B798	1938	TUBO100X150	0.457 = 0.004 + 0.437 + 0.017	Comb6	0.059	0.001	Slender	0	0
CUBIERTA LTA	B799	1939	TUBO100X150	0.461 = 0.008 + 0.446 + 0.007	Comb6	0.063	0.001	Slender	8.5727	0
CUBIERTA LTA	B800	1940	TUBO100X150	0.497 = 0.007 + 0.478 + 0.013	Comb6	0.065	0.002	Slender	0	8.6747
CUBIERTA LTA	B801	1941	TUBO100X150	0.489 = 0.009 + 0.462 + 0.018	Comb6	0.061	0.001	Slender	0	0
CUBIERTA LTA	B802	1942	TUBO100X150	0.463 = 0.008 + 0.438 + 0.017	Comb6	0.059	0.001	Slender	0	0
CUBIERTA LTA	B803	1943	TUBO100X150	0.47 = 0.006 + 0.453 + 0.011	Comb6	0.063	0.002	Slender	8.4922	0
CUBIERTA LTA	B804	1944	TUBO100X150	0.49 = 0.002 + 0.485 + 0.003	Comb6	0.064	0.001	Slender	0	8.7854
CUBIERTA LTA	B805	1945	TUBO100X150	0.483 = 0.007 + 0.453 + 0.023	Comb6	0.06	0.001	Slender	0	0
CUBIERTA LTA	B806	1946	TUBO100X150	0.459 = 0.007 + 0.43 + 0.022	Comb6	0.059	0.001	Slender	0	0
CUBIERTA LTA	B807	1947	TUBO100X150	0.467 = 0.002 + 0.462 + 0.003	Comb6	0.062	0.001	Slender	8.5918	0
CUBIERTA LTA	B812	2004	TUBO100X150	0.521 = 0.028 + 0.487 + 0.006	Comb6	0.064	0.0004347	Slender	0	8.751
CUBIERTA LTA	B813	2005	TUBO100X150	0.816 = 0.402 + 0.403 + 0.011	Comb6	0.06	0.00048	Slender	0	0
CUBIERTA LTA	B814	2006	TUBO100X150	0.789 = 0.396 + 0.382 + 0.011	Comb6	0.059	0.0004323	Slender	0	0
CUBIERTA LTA	B815	2007	TUBO100X150	0.499 = 0.026 + 0.464 + 0.009	Comb6	0.063	0.0003116	Slender	8.5527	0
CUBIERTA LTA	B816	2008	TUBO100X150	0.485 = 0.008 + 0.463 + 0.014	Comb6	0.064	0.002	Slender	0	8.7961
CUBIERTA LTA	B817	2009	TUBO100X150	0.475 = 0.014 + 0.459 + 0.001	Comb6	0.061	0	Slender	0	0
CUBIERTA LTA	B818	2010	TUBO100X150	0.452 = 0.014 + 0.435 + 0.003	Comb6	0.059	0	Slender	0	0
CUBIERTA LTA	B819	2011	TUBO100X150	0.458 = 0.008 + 0.439 + 0.011	Comb6	0.062	0.002	Slender	8.6125	0
CUBIERTA LTA	B820	2012	TUBO100X150	0.493 = 0.007 + 0.47 + 0.016	Comb6	0.064	0.002	Slender	0	8.7185
CUBIERTA LTA	B821	2013	TUBO100X150	0.495 = 0.035 + 0.458 + 0.001	Comb6	0.06	0	Slender	0	0
CUBIERTA LTA	B822	2014	TUBO100X150	0.473 = 0.035 + 0.434 + 0.004	Comb6	0.059	0.0001366	Slender	0	0
CUBIERTA LTA	B823	2015	TUBO100X150	0.466 = 0.007 + 0.446 + 0.014	Comb6	0.063	0.002	Slender	8.5363	0
CUBIERTA LTA	B824	2016	TUBO100X150	0.482 = 0.002 + 0.478 + 0.002	Comb6	0.064	0.001	Slender	0	8.8239
CUBIERTA LTA	B825	2017	TUBO100X150	0.463 = 0.006 + 0.451 + 0.006	Comb6	0.06	0.0002841	Slender	0	0
CUBIERTA LTA	B826	2018	TUBO100X150	0.438 = 0.006 + 0.428 + 0.004	Comb6	0.059	0.0001651	Slender	0	0
CUBIERTA LTA	B827	2019	TUBO100X150	0.458 = 0.002 + 0.455 + 0.001	Comb6	0.062	0.001	Slender	8.6298	0
CUBIERTA LTA	B828	2045	TUBO100X150	0.52 = 0.028 + 0.486 + 0.005	Comb6	0.064	0.0004795	Slender	0	8.7515
CUBIERTA LTA	B829	2046	TUBO100X150	0.811 = 0.399 + 0.402 + 0.01	Comb6	0.06	0.0004165	Slender	0	0
CUBIERTA LTA	B830	2047	TUBO100X150	0.785 = 0.394 + 0.383 + 0.008	Comb6	0.059	0.0003006	Slender	0	0
CUBIERTA LTA	B831	2048	TUBO100X150	0.501 = 0.027 + 0.465 + 0.009	Comb6	0.063	0.0002912	Slender	8.5452	0
CUBIERTA LTA	B832	2049	TUBO100X150	0.486 = 0.008 + 0.463 + 0.015	Comb6	0.064	0.002	Slender	0	8.7954
CUBIERTA	B833	2050	TUBO100X1	0.474 = 0.013 + 0.458	Comb6	0.06	0	Slender	0	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			50	+ 0.003						
CUBIERTA LTA	B834	2051	TUBO100X150	0.455 = 0.014 + 0.436 + 0.006	Comb6	0.059	0.0002376	Slender	0	0
CUBIERTA LTA	B835	2052	TUBO100X150	0.459 = 0.007 + 0.441 + 0.011	Comb6	0.062	0.002	Slender	8.5996	0
CUBIERTA LTA	B836	2053	TUBO100X150	0.494 = 0.007 + 0.47 + 0.017	Comb6	0.064	0.002	Slender	0	8.7173
CUBIERTA LTA	B837	2054	TUBO100X150	0.494 = 0.035 + 0.456 + 0.003	Comb6	0.06	0	Slender	0	0
CUBIERTA LTA	B838	2055	TUBO100X150	0.476 = 0.035 + 0.434 + 0.007	Comb6	0.059	0.0002863	Slender	0	0
CUBIERTA LTA	B839	2056	TUBO100X150	0.468 = 0.006 + 0.447 + 0.014	Comb6	0.063	0.002	Slender	8.5216	0
CUBIERTA LTA	B840	2057	TUBO100X150	0.483 = 0.002 + 0.478 + 0.003	Comb6	0.064	0.001	Slender	0	8.8228
CUBIERTA LTA	B841	2058	TUBO100X150	0.459 = 0.006 + 0.448 + 0.004	Comb6	0.06	0.0001967	Slender	0	0
CUBIERTA LTA	B842	2059	TUBO100X150	0.435 = 0.006 + 0.427 + 0.001	Comb6	0.059	0	Slender	0	0
CUBIERTA LTA	B843	2060	TUBO100X150	0.459 = 0.002 + 0.457 + 0.001	Comb6	0.062	0.001	Slender	8.6186	0
CUBIERTA LTA	B844	2087	TUBO100X150	0.517 = 0.028 + 0.486 + 0.003	Comb6	0.064	0.001	Slender	0	8.757
CUBIERTA LTA	B845	2088	TUBO100X150	0.803 = 0.392 + 0.404 + 0.007	Comb6	0.06	0.0002664	Slender	0	0
CUBIERTA LTA	B846	2089	TUBO100X150	0.776 = 0.387 + 0.383 + 0.006	Comb6	0.059	0.0001988	Slender	0	0
CUBIERTA LTA	B847	2090	TUBO100X150	0.495 = 0.026 + 0.463 + 0.006	Comb6	0.063	0.0004435	Slender	8.5579	0
CUBIERTA LTA	B848	2091	TUBO100X150	0.487 = 0.008 + 0.462 + 0.016	Comb6	0.064	0.002	Slender	0	8.8008
CUBIERTA LTA	B849	2092	TUBO100X150	0.48 = 0.013 + 0.46 + 0.006	Comb6	0.061	0.0001763	Slender	0	0
CUBIERTA LTA	B850	2093	TUBO100X150	0.458 = 0.014 + 0.436 + 0.008	Comb6	0.059	0.0003291	Slender	0	0
CUBIERTA LTA	B851	2094	TUBO100X150	0.46 = 0.007 + 0.438 + 0.014	Comb6	0.062	0.002	Slender	8.6165	0
CUBIERTA LTA	B852	2095	TUBO100X150	0.496 = 0.007 + 0.469 + 0.019	Comb6	0.064	0.002	Slender	0	8.7226
CUBIERTA LTA	B853	2096	TUBO100X150	0.5 = 0.036 + 0.459 + 0.006	Comb6	0.06	0.0001905	Slender	0	0
CUBIERTA LTA	B854	2097	TUBO100X150	0.479 = 0.035 + 0.435 + 0.009	Comb6	0.059	0.0003722	Slender	0	0
CUBIERTA LTA	B855	2098	TUBO100X150	0.469 = 0.007 + 0.445 + 0.017	Comb6	0.063	0.002	Slender	8.54	0
CUBIERTA LTA	B856	2099	TUBO100X150	0.484 = 0.002 + 0.477 + 0.004	Comb6	0.064	0.001	Slender	0	8.8282
CUBIERTA LTA	B857	2100	TUBO100X150	0.458 = 0.006 + 0.451 + 0.001	Comb6	0.06	0	Slender	0	0
CUBIERTA LTA	B858	2101	TUBO100X150	0.435 = 0.006 + 0.428 + 0.001	Comb6	0.059	0	Slender	0	0
CUBIERTA LTA	B859	2102	TUBO100X150	0.46 = 0.002 + 0.454 + 0.003	Comb6	0.062	0.001	Slender	8.6343	0
CUBIERTA LTA	B860	2129	TUBO100X150	0.514 = 0.028 + 0.485 + 4.571E-04	Comb6	0.064	0.001	Slender	0	8.7609
CUBIERTA LTA	B861	2130	TUBO100X150	0.795 = 0.383 + 0.405 + 0.007	Comb6	0.06	0.0002637	Slender	0	0
CUBIERTA LTA	B862	2131	TUBO100X150	0.77 = 0.384 + 0.383 + 0.003	Comb6	0.059	0	Slender	0	0
CUBIERTA LTA	B863	2132	TUBO100X150	0.494 = 0.026 + 0.463 + 0.006	Comb6	0.063	0.000448	Slender	8.5627	0
CUBIERTA LTA	B864	2133	TUBO100X150	0.489 = 0.008 + 0.462 + 0.02	Comb6	0.064	0.002	Slender	0	8.8053
CUBIERTA LTA	B865	2134	TUBO100X150	0.48 = 0.014 + 0.461 + 0.006	Comb6	0.061	0.0001772	Slender	0	0
CUBIERTA LTA	B866	2135	TUBO100X150	0.462 = 0.013 + 0.437 + 0.012	Comb6	0.059	0.0004835	Slender	0	0
CUBIERTA	B867	2136	TUBO100X1	0.459 = 0.007 + 0.438	Comb6	0.062	0.002	Slender	8.6215	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
LTA			50	+ 0.014						
CUBIERTA$_{A}$ LTA	B868	2137	TUBO100X150	0.498 = 0.007 + 0.468 + 0.022	Comb6	0.064	0.002	Slender	0	8.7285
CUBIERTA$_{A}$ LTA	B869	2138	TUBO100X150	0.501 = 0.035 + 0.459 + 0.006	Comb6	0.06	0.0001947	Slender	0	0
CUBIERTA$_{A}$ LTA	B870	2139	TUBO100X150	0.483 = 0.035 + 0.435 + 0.012	Comb6	0.059	0.001	Slender	0	0
CUBIERTA$_{A}$ LTA	B871	2140	TUBO100X150	0.468 = 0.007 + 0.444 + 0.017	Comb6	0.063	0.002	Slender	8.5441	0
CUBIERTA$_{A}$ LTA	B872	2141	TUBO100X150	0.485 = 0.003 + 0.476 + 0.007	Comb6	0.064	0.001	Slender	0	8.8347
CUBIERTA$_{A}$ LTA	B873	2142	TUBO100X150	0.458 = 0.006 + 0.452 + 0.001	Comb6	0.06	0	Slender	0	0
CUBIERTA$_{A}$ LTA	B874	2143	TUBO100X150	0.438 = 0.006 + 0.429 + 0.004	Comb6	0.059	0.0002409	Slender	0	0
CUBIERTA$_{A}$ LTA	B875	2144	TUBO100X150	0.459 = 0.002 + 0.453 + 0.003	Comb6	0.062	0.001	Slender	8.6372	0
CUBIERTA$_{A}$ LTA	B1	1	TUBO200X100X6	0.391 = 0.007 + 0.383 + 0.002	Comb6	0.032	0.002	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B2	312	TUBO200x100X4	0.176 = 0.052 + 0.103 + 0.022	Comb6	0.022	0.002	Slender	4.9122	6.3777
CUBIERTA$_{B}$ AJA	B4	314	TUBO200x100X4	0.172 = 0.057 + 0.109 + 0.005	Comb6	0.023	0.002	Slender	5.3088	6.6466
CUBIERTA$_{B}$ AJA	B5	315	TUBO200x100X4	0.193 = 0.059 + 0.102 + 0.032	Comb6	0.022	0.004	Slender	5.3772	6.2996
CUBIERTA$_{B}$ AJA	B6	316	TUBO200x100X4	0.28 = 0.033 + 0.102 + 0.146	Comb6	0.026	0.028	Slender	4.9973	7.3519
CUBIERTA$_{B}$ AJA	B7	317	TUBO200x100X4	0.173 = 0.058 + 0.109 + 0.006	Comb6	0.023	0.002	Slender	5.269	6.6596
CUBIERTA$_{B}$ AJA	B8	318	TUBO200x100X4	0.192 = 0.06 + 0.102 + 0.031	Comb6	0.022	0.003	Slender	5.3687	6.3113
CUBIERTA$_{B}$ AJA	B9	319	TUBO200x100X4	0.28 = 0.033 + 0.102 + 0.146	Comb6	0.026	0.028	Slender	4.985	7.3615
CUBIERTA$_{B}$ AJA	B10	320	TUBO200x100X4	0.19 = 0.058 + 0.102 + 0.03	Comb6	0.022	0.003	Slender	5.3207	6.3142
CUBIERTA$_{B}$ AJA	B11	321	TUBO200x100X4	0.28 = 0.032 + 0.102 + 0.146	Comb6	0.026	0.028	Slender	5.0254	7.3499
CUBIERTA$_{B}$ AJA	B12	322	TUBO200x100X4	0.173 = 0.058 + 0.109 + 0.006	Comb6	0.023	0.002	Slender	5.2807	6.667
CUBIERTA$_{B}$ AJA	B13	1392	TUBO200x100X4	0.194 = 0.059 + 0.102 + 0.032	Comb6	0.022	0.004	Slender	5.3654	6.3201
CUBIERTA$_{B}$ AJA	B14	1396	TUBO200x100X4	0.28 = 0.032 + 0.102 + 0.146	Comb6	0.026	0.028	Slender	4.9995	7.3872
CUBIERTA$_{B}$ AJA	B15	1398	TUBO200x100X4	0.178 = 0.058 + 0.112 + 0.008	Comb6	0.024	0.002	Slender	5.2495	6.7976
CUBIERTA$_{B}$ AJA	B16	323	TUBO200x100X4	0.145 = 0.051 + 0.082 + 0.011	Comb6	0.02	0.002	Slender	5.6578	5.3863
CUBIERTA$_{B}$ AJA	B53	1453	TUBO200x100X4	0.173 = 0.051 + 0.101 + 0.021	Comb6	0.022	0.002	Slender	4.8009	6.2555
CUBIERTA$_{B}$ AJA	B55	1455	TUBO200x100X4	0.169 = 0.056 + 0.107 + 0.006	Comb6	0.023	0.002	Slender	5.2012	6.5149
CUBIERTA$_{B}$ AJA	B56	1456	TUBO200x100X4	0.188 = 0.058 + 0.1 + 0.031	Comb6	0.022	0.003	Slender	5.2694	6.1775
CUBIERTA$_{B}$ AJA	B57	1457	TUBO200x100X4	0.271 = 0.032 + 0.1 + 0.14	Comb6	0.025	0.027	Slender	4.901	7.2077
CUBIERTA$_{B}$ AJA	B58	1458	TUBO200x100X4	0.172 = 0.057 + 0.107 + 0.007	Comb6	0.023	0.002	Slender	5.1442	6.5279
CUBIERTA$_{B}$ AJA	B59	1459	TUBO200x100X4	0.191 = 0.059 + 0.101 + 0.031	Comb6	0.022	0.004	Slender	5.3438	6.255
CUBIERTA$_{B}$ AJA	B60	1460	TUBO200x100X4	0.271 = 0.032 + 0.1 + 0.139	Comb6	0.025	0.027	Slender	4.9015	7.205
CUBIERTA$_{B}$ AJA	B61	1461	TUBO200x100X4	0.186 = 0.057 + 0.1 + 0.03	Comb6	0.022	0.003	Slender	5.2095	6.1905
CUBIERTA$_{B}$ AJA	B62	1462	TUBO200x100X4	0.271 = 0.032 + 0.1 + 0.14	Comb6	0.025	0.027	Slender	4.9244	7.2046
CUBIERTA$_{B}$ AJA	B63	1463	TUBO200x100X4	0.17 = 0.057 + 0.107 + 0.006	Comb6	0.023	0.002	Slender	5.1742	6.5312
CUBIERTA$_{B}$	B64	309	TUBO200x1	0.189 = 0.058 + 0.1 +	Comb6	0.022	0.003	Slender	5.2588	6.1908

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
AJA			00X4	0.031						
CUBIERTA$_{B}$ AJA	B65	310	TUBO200x100X4	0.272 = 0.032 + 0.1 + 0.14	Comb6	0.025	0.027	Slender	4.9028	7.2332
CUBIERTA$_{B}$ AJA	B66	311	TUBO200x100X4	0.173 = 0.057 + 0.111 + 0.006	Comb6	0.023	0.002	Slender	5.1408	6.7125
CUBIERTA$_{B}$ AJA	B67	1467	TUBO200x100X4	0.186 = 0.049 + 0.071 + 0.066	Comb6	0.02	0.006	Slender	5.6993	4.8717
CUBIERTA$_{B}$ AJA	B90	293	TUBO200X100X6	0.227 = 0.005 + 0.215 + 0.007	Comb6	0.019	0.001	Non-Compact	11.4028	12.6701
CUBIERTA$_{B}$ AJA	B91	292	TUBO200X100X6	0.442 = 0.088 + 0.333 + 0.022	Comb6	0.037	0.002	Non-Compact	24.6429	13.0806
CUBIERTA$_{B}$ AJA	B92	288	TUBO200X100X6	0.532 = 0.203 + 0.312 + 0.017	Comb6	0.037	0.002	Non-Compact	13.3194	25.0386
CUBIERTA$_{B}$ AJA	B93	283	TUBO200X100X6	0.238 = 0.005 + 0.227 + 0.006	Comb6	0.02	0.001	Non-Compact	13.3128	12.0455
CUBIERTA$_{B}$ AJA	B290	324	TUBO200X100X6	0.239 = 0.079 + 0.15 + 0.009	Comb6	0.018	0.004	Non-Compact	11.9824	0
CUBIERTA$_{B}$ AJA	B291	325	TUBO200X100X6	0.737 = 0.271 + 0.433 + 0.032	Comb6	0.141	0.006	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B292	326	TUBO200X100X6	0.129 = 0.024 + 0.093 + 0.013	Comb6	0.008	0.0002914	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B293	327	TUBO200X100X6	0.062 = 0.023 + 0.006 + 0.033	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B294	328	TUBO200X100X6	0.057 = 0.046 + 0.007 + 0.004	Comb6	0.001	0.0001092	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B295	329	TUBO200X100X6	0.078 = 0.047 + 0.03 + 0.001	Comb6	0.003	0.002	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B296	330	TUBO200X100X6	0.08 = 0.047 + 0.032 + 0.001	Comb6	0.003	0.002	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B297	331	TUBO200X100X6	0.058 = 0.047 + 0.006 + 0.004	Comb6	0.001	0.0001204	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B298	332	TUBO200X100X6	0.066 = 0.025 + 0.008 + 0.033	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B299	333	TUBO200X100X6	0.126 = 0.026 + 0.087 + 0.014	Comb6	0.007	0.0004951	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B300	334	TUBO200X100X6	0.737 = 0.285 + 0.42 + 0.032	Comb6	0.149	0.006	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B301	335	TUBO200X100X6	0.246 = 0.085 + 0.151 + 0.01	Comb6	0.018	0.004	Non-Compact	0	11.8177
CUBIERTA$_{B}$ AJA	B302	377	TUBO200X100X6	0.231 = 0.074 + 0.155 + 0.002	Comb6	0.021	0.002	Non-Compact	13.9242	0
CUBIERTA$_{B}$ AJA	B303	378	TUBO200X100X6	0.685 = 0.26 + 0.421 + 0.004	Comb6	0.138	0.002	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B304	379	TUBO200X100X6	0.152 = 0.023 + 0.091 + 0.039	Comb6	0.008	0.008	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B305	380	TUBO200X100X6	0.059 = 0.022 + 0.004 + 0.032	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B306	381	TUBO200X100X6	0.055 = 0.047 + 0.007 + 0.001	Comb6	0.001	0	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B307	382	TUBO200X100X6	0.08 = 0.047 + 0.032 + 0.001	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B308	383	TUBO200X100X6	0.08 = 0.048 + 0.031 + 4.274E-04	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B309	384	TUBO200X100X6	0.056 = 0.048 + 0.007 + 0.001	Comb6	0.001	0	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B310	385	TUBO200X100X6	0.063 = 0.024 + 0.005 + 0.033	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B311	386	TUBO200X100X6	0.149 = 0.024 + 0.085 + 0.04	Comb6	0.007	0.008	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B312	387	TUBO200X100X6	0.685 = 0.273 + 0.407 + 0.004	Comb6	0.146	0.002	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B313	388	TUBO200X100X6	0.238 = 0.079 + 0.156 + 0.002	Comb6	0.021	0.002	Non-Compact	0	13.8001
CUBIERTA$_{B}$ AJA	B314	430	TUBO200X100X6	0.235 = 0.08 + 0.154 + 0.001	Comb6	0.02	0.001	Non-Compact	13.6618	0
CUBIERTA$_{B}$ AJA	B315	431	TUBO200X100X6	0.699 = 0.272 + 0.424 + 0.003	Comb6	0.139	0.001	Non-Compact	0	0
CUBIERTA$_{B}$	B316	432	TUBO200X1	0.15 = 0.022 + 0.091	Comb6	0.008	0.008	Non-	0	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
AJA			00X6	+ 0.037				Compact		
CUBIERTA_B AJA	B317	433	TUBO200X100X6	0.06 = 0.022 + 0.011 + 0.027	Comb6	0.001	0.007	Non-Compact	0	0
CUBIERTA_B AJA	B318	434	TUBO200X100X6	0.056 = 0.048 + 0.007 + 0.001	Comb6	0.001	0.000277	Non-Compact	0	0
CUBIERTA_B AJA	B319	435	TUBO200X100X6	0.085 = 0.048 + 0.033 + 0.004	Comb6	0.004	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B320	436	TUBO200X100X6	0.085 = 0.048 + 0.033 + 0.004	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B321	437	TUBO200X100X6	0.056 = 0.048 + 0.007 + 0.001	Comb6	0.001	0.0002366	Non-Compact	0	0
CUBIERTA_B AJA	B322	438	TUBO200X100X6	0.062 = 0.024 + 0.011 + 0.027	Comb6	0.001	0.007	Non-Compact	0	0
CUBIERTA_B AJA	B323	439	TUBO200X100X6	0.147 = 0.024 + 0.085 + 0.038	Comb6	0.007	0.008	Non-Compact	0	0
CUBIERTA_B AJA	B324	440	TUBO200X100X6	0.699 = 0.286 + 0.41 + 0.003	Comb6	0.146	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B325	441	TUBO200X100X6	0.242 = 0.085 + 0.155 + 0.001	Comb6	0.02	0.001	Non-Compact	0	13.5276
CUBIERTA_B AJA	B326	483	TUBO200X100X6	0.231 = 0.078 + 0.146 + 0.007	Comb6	0.017	0.004	Non-Compact	11.5312	0
CUBIERTA_B AJA	B327	484	TUBO200X100X6	0.711 = 0.266 + 0.421 + 0.024	Comb6	0.137	0.005	Non-Compact	0	0
CUBIERTA_B AJA	B328	485	TUBO200X100X6	0.132 = 0.022 + 0.09 + 0.02	Comb6	0.008	0.002	Non-Compact	0	0
CUBIERTA_B AJA	B329	486	TUBO200X100X6	0.06 = 0.021 + 0.011 + 0.027	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B330	487	TUBO200X100X6	0.053 = 0.046 + 0.007 + 3.185E-04	Comb6	0.001	0.0001072	Non-Compact	0	0
CUBIERTA_B AJA	B331	488	TUBO200X100X6	0.079 = 0.046 + 0.031 + 0.001	Comb6	0.003	0.0003198	Non-Compact	0	0
CUBIERTA_B AJA	B332	489	TUBO200X100X6	0.08 = 0.047 + 0.033 + 3.081E-04	Comb6	0.003	0.0002154	Non-Compact	0	0
CUBIERTA_B AJA	B333	490	TUBO200X100X6	0.053 = 0.047 + 0.006 + 0	Comb6	0.001	0	Non-Compact	0	0
CUBIERTA_B AJA	B334	491	TUBO200X100X6	0.062 = 0.023 + 0.01 + 0.028	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B335	492	TUBO200X100X6	0.13 = 0.024 + 0.084 + 0.022	Comb6	0.007	0.003	Non-Compact	0	0
CUBIERTA_B AJA	B336	493	TUBO200X100X6	0.71 = 0.279 + 0.408 + 0.023	Comb6	0.144	0.005	Non-Compact	0	0
CUBIERTA_B AJA	B337	494	TUBO200X100X6	0.238 = 0.083 + 0.146 + 0.008	Comb6	0.017	0.004	Non-Compact	0	11.3529
CUBIERTA_B AJA	B338	536	TUBO200X100X6	0.231 = 0.074 + 0.155 + 0.002	Comb6	0.021	0.002	Non-Compact	13.9157	0
CUBIERTA_B AJA	B339	537	TUBO200X100X6	0.686 = 0.26 + 0.421 + 0.004	Comb6	0.138	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B340	538	TUBO200X100X6	0.151 = 0.022 + 0.091 + 0.038	Comb6	0.008	0.008	Non-Compact	0	0
CUBIERTA_B AJA	B341	539	TUBO200X100X6	0.055 = 0.022 + 0.011 + 0.022	Comb6	0.001	0.005	Non-Compact	0	0
CUBIERTA_B AJA	B342	540	TUBO200X100X6	0.057 = 0.047 + 0.007 + 0.003	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B343	541	TUBO200X100X6	0.086 = 0.047 + 0.032 + 0.007	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B344	542	TUBO200X100X6	0.084 = 0.048 + 0.031 + 0.005	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B345	543	TUBO200X100X6	0.057 = 0.048 + 0.007 + 0.003	Comb6	0.001	0.0004186	Non-Compact	0	0
CUBIERTA_B AJA	B346	544	TUBO200X100X6	0.057 = 0.024 + 0.01 + 0.023	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B347	545	TUBO200X100X6	0.15 = 0.024 + 0.085 + 0.041	Comb6	0.007	0.008	Non-Compact	0	0
CUBIERTA_B AJA	B348	546	TUBO200X100X6	0.688 = 0.273 + 0.408 + 0.008	Comb6	0.146	0.002	Non-Compact	0	0
CUBIERTA_B AJA	B349	547	TUBO200X100X6	0.239 = 0.079 + 0.157 + 0.004	Comb6	0.021	0.003	Non-Compact	0	13.8075
CUBIERTA_B	B350	589	TUBO200X1	0.242 = 0.08 + 0.153	Comb6	0.02	0.002	Non-	13.597	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
AJA			00X6	+ 0.009				Compact		
CUBIERTAB AJA	B351	590	TUBO200X100X6	0.719 = 0.272 + 0.422 + 0.024	Comb6	0.138	0.006	Non-Compact	0	0
CUBIERTAB AJA	B352	591	TUBO200X100X6	0.164 = 0.022 + 0.09 + 0.052	Comb6	0.008	0.012	Non-Compact	0	0
CUBIERTAB AJA	B353	592	TUBO200X100X6	0.061 = 0.022 + 0.011 + 0.027	Comb6	0.002	0.007	Non-Compact	0	0
CUBIERTAB AJA	B354	593	TUBO200X100X6	0.06 = 0.047 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTAB AJA	B355	594	TUBO200X100X6	0.09 = 0.048 + 0.033 + 0.01	Comb6	0.004	0.001	Non-Compact	0	0
CUBIERTAB AJA	B356	595	TUBO200X100X6	0.096 = 0.048 + 0.033 + 0.015	Comb6	0.003	0.002	Non-Compact	0	0
CUBIERTAB AJA	B357	596	TUBO200X100X6	0.061 = 0.048 + 0.006 + 0.006	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTAB AJA	B358	597	TUBO200X100X6	0.062 = 0.024 + 0.011 + 0.027	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTAB AJA	B359	598	TUBO200X100X6	0.15 = 0.024 + 0.084 + 0.042	Comb6	0.007	0.009	Non-Compact	0	0
CUBIERTAB AJA	B360	599	TUBO200X100X6	0.705 = 0.286 + 0.409 + 0.011	Comb6	0.146	0.003	Non-Compact	0	0
CUBIERTAB AJA	B361	600	TUBO200X100X6	0.245 = 0.085 + 0.155 + 0.005	Comb6	0.02	0.001	Non-Compact	0	13.4889
CUBIERTAB AJA	B362	642	TUBO200X100X6	0.23 = 0.078 + 0.145 + 0.007	Comb6	0.017	0.004	Non-Compact	11.5191	0
CUBIERTAB AJA	B363	643	TUBO200X100X6	0.711 = 0.265 + 0.42 + 0.026	Comb6	0.136	0.006	Non-Compact	0	0
CUBIERTAB AJA	B364	644	TUBO200X100X6	0.13 = 0.022 + 0.09 + 0.018	Comb6	0.008	0.002	Non-Compact	0	0
CUBIERTAB AJA	B365	645	TUBO200X100X6	0.065 = 0.021 + 0.011 + 0.033	Comb6	0.001	0.007	Non-Compact	0	0
CUBIERTAB AJA	B366	646	TUBO200X100X6	0.054 = 0.046 + 0.007 + 0.001	Comb6	0.001	0.0001876	Non-Compact	0	0
CUBIERTAB AJA	B367	647	TUBO200X100X6	0.08 = 0.046 + 0.031 + 0.002	Comb6	0.003	0.0001476	Non-Compact	0	0
CUBIERTAB AJA	B368	648	TUBO200X100X6	0.081 = 0.047 + 0.033 + 0.001	Comb6	0.004	0.0003792	Non-Compact	0	0
CUBIERTAB AJA	B369	649	TUBO200X100X6	0.054 = 0.047 + 0.006 + 0.001	Comb6	0.001	0.0002028	Non-Compact	0	0
CUBIERTAB AJA	B370	650	TUBO200X100X6	0.066 = 0.023 + 0.011 + 0.033	Comb6	0.001	0.007	Non-Compact	0	0
CUBIERTAB AJA	B371	651	TUBO200X100X6	0.129 = 0.024 + 0.084 + 0.021	Comb6	0.007	0.002	Non-Compact	0	0
CUBIERTAB AJA	B372	652	TUBO200X100X6	0.707 = 0.278 + 0.407 + 0.022	Comb6	0.144	0.004	Non-Compact	0	0
CUBIERTAB AJA	B373	653	TUBO200X100X6	0.236 = 0.083 + 0.146 + 0.007	Comb6	0.017	0.004	Non-Compact	0	11.3325
CUBIERTAB AJA	B374	981	TUBO200X100X6	0.236 = 0.074 + 0.156 + 0.005	Comb6	0.021	0.003	Non-Compact	14.0199	0
CUBIERTAB AJA	B375	982	TUBO200X100X6	0.699 = 0.263 + 0.424 + 0.013	Comb6	0.139	0.003	Non-Compact	0	0
CUBIERTAB AJA	B376	983	TUBO200X100X6	0.157 = 0.023 + 0.091 + 0.044	Comb6	0.008	0.01	Non-Compact	0	0
CUBIERTAB AJA	B377	984	TUBO200X100X6	0.055 = 0.023 + 0.011 + 0.022	Comb6	0.001	0.005	Non-Compact	0	0
CUBIERTAB AJA	B378	985	TUBO200X100X6	0.058 = 0.047 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTAB AJA	B379	986	TUBO200X100X6	0.088 = 0.048 + 0.032 + 0.008	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTAB AJA	B380	987	TUBO200X100X6	0.088 = 0.048 + 0.031 + 0.008	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTAB AJA	B381	988	TUBO200X100X6	0.059 = 0.048 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTAB AJA	B382	989	TUBO200X100X6	0.057 = 0.025 + 0.01 + 0.022	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTAB AJA	B383	990	TUBO200X100X6	0.153 = 0.024 + 0.085 + 0.044	Comb6	0.007	0.01	Non-Compact	0	0
CUBIERTAB	B384	991	TUBO200X1	0.7 = 0.275 + 0.41 +	Comb6	0.147	0.003	Non-	0	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
AJA			00X6	0.014				Compact		
CUBIERTA_B AJA	B385	992	TUBO200X100X6	0.243 = 0.08 + 0.158 + 0.006	Comb6	0.021	0.003	Non-Compact	0	13.9144
CUBIERTA_B AJA	B386	1034	TUBO200X100X6	0.231 = 0.079 + 0.147 + 0.006	Comb6	0.017	0.003	Non-Compact	11.6416	0
CUBIERTA_B AJA	B387	1035	TUBO200X100X6	0.713 = 0.268 + 0.424 + 0.02	Comb6	0.138	0.004	Non-Compact	0	0
CUBIERTA_B AJA	B388	1036	TUBO200X100X6	0.134 = 0.022 + 0.091 + 0.021	Comb6	0.008	0.003	Non-Compact	0	0
CUBIERTA_B AJA	B389	1037	TUBO200X100X6	0.062 = 0.022 + 0.011 + 0.029	Comb6	0.002	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B390	1038	TUBO200X100X6	0.055 = 0.047 + 0.007 + 0.002	Comb6	0.001	0.0002801	Non-Compact	0	0
CUBIERTA_B AJA	B391	1039	TUBO200X100X6	0.082 = 0.047 + 0.032 + 0.003	Comb6	0.003	0.0002139	Non-Compact	0	0
CUBIERTA_B AJA	B392	1040	TUBO200X100X6	0.082 = 0.048 + 0.033 + 0.002	Comb6	0.004	0.0001056	Non-Compact	0	0
CUBIERTA_B AJA	B393	1041	TUBO200X100X6	0.055 = 0.047 + 0.006 + 0.002	Comb6	0.001	0.000193	Non-Compact	0	0
CUBIERTA_B AJA	B394	1042	TUBO200X100X6	0.063 = 0.023 + 0.011 + 0.029	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B395	1043	TUBO200X100X6	0.131 = 0.024 + 0.085 + 0.022	Comb6	0.007	0.003	Non-Compact	0	0
CUBIERTA_B AJA	B396	1044	TUBO200X100X6	0.712 = 0.281 + 0.411 + 0.019	Comb6	0.145	0.004	Non-Compact	0	0
CUBIERTA_B AJA	B397	1045	TUBO200X100X6	0.238 = 0.084 + 0.148 + 0.006	Comb6	0.017	0.003	Non-Compact	0	11.4615
CUBIERTA_B AJA	B398	1087	TUBO200X100X6	0.235 = 0.074 + 0.156 + 0.005	Comb6	0.021	0.003	Non-Compact	13.9649	0
CUBIERTA_B AJA	B399	1088	TUBO200X100X6	0.695 = 0.262 + 0.423 + 0.011	Comb6	0.139	0.003	Non-Compact	0	0
CUBIERTA_B AJA	B400	1089	TUBO200X100X6	0.155 = 0.022 + 0.091 + 0.041	Comb6	0.008	0.009	Non-Compact	0	0
CUBIERTA_B AJA	B401	1090	TUBO200X100X6	0.055 = 0.023 + 0.011 + 0.022	Comb6	0.001	0.005	Non-Compact	0	0
CUBIERTA_B AJA	B402	1091	TUBO200X100X6	0.058 = 0.047 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B403	1092	TUBO200X100X6	0.088 = 0.048 + 0.032 + 0.008	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B404	1093	TUBO200X100X6	0.087 = 0.048 + 0.031 + 0.007	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B405	1094	TUBO200X100X6	0.059 = 0.048 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B406	1095	TUBO200X100X6	0.058 = 0.025 + 0.01 + 0.023	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B407	1096	TUBO200X100X6	0.151 = 0.024 + 0.085 + 0.042	Comb6	0.007	0.009	Non-Compact	0	0
CUBIERTA_B AJA	B408	1097	TUBO200X100X6	0.696 = 0.275 + 0.409 + 0.012	Comb6	0.147	0.003	Non-Compact	0	0
CUBIERTA_B AJA	B409	1098	TUBO200X100X6	0.242 = 0.079 + 0.157 + 0.006	Comb6	0.021	0.003	Non-Compact	0	13.8466
CUBIERTA_B AJA	B410	1140	TUBO200X100X6	0.238 = 0.08 + 0.154 + 0.004	Comb6	0.02	0.001	Non-Compact	13.6618	0
CUBIERTA_B AJA	B411	1141	TUBO200X100X6	0.705 = 0.273 + 0.424 + 0.008	Comb6	0.139	0.002	Non-Compact	0	0
CUBIERTA_B AJA	B412	1142	TUBO200X100X6	0.152 = 0.022 + 0.091 + 0.039	Comb6	0.008	0.009	Non-Compact	0	0
CUBIERTA_B AJA	B413	1143	TUBO200X100X6	0.062 = 0.022 + 0.011 + 0.028	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B414	1144	TUBO200X100X6	0.059 = 0.048 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B415	1145	TUBO200X100X6	0.09 = 0.048 + 0.033 + 0.009	Comb6	0.004	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B416	1146	TUBO200X100X6	0.089 = 0.048 + 0.032 + 0.008	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B417	1147	TUBO200X100X6	0.059 = 0.048 + 0.007 + 0.004	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA_B	B418	1148	TUBO200X1	0.064 = 0.024 + 0.011	Comb6	0.001	0.007	Non-	0	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
AJA			00X6	+ 0.029				Compact		
CUBIERTA_B AJA	B419	1149	TUBO200X100X6	0.149 = 0.024 + 0.085 + 0.04	Comb6	0.007	0.009	Non-Compact	0	0
CUBIERTA_B AJA	B420	1150	TUBO200X100X6	0.707 = 0.286 + 0.41 + 0.011	Comb6	0.146	0.003	Non-Compact	0	0
CUBIERTA_B AJA	B421	1151	TUBO200X100X6	0.245 = 0.086 + 0.155 + 0.005	Comb6	0.02	0.001	Non-Compact	0	13.5287
CUBIERTA_B AJA	B422	1193	TUBO200X100X6	0.23 = 0.078 + 0.146 + 0.006	Comb6	0.017	0.003	Non-Compact	11.5346	0
CUBIERTA_B AJA	B423	1194	TUBO200X100X6	0.707 = 0.266 + 0.421 + 0.02	Comb6	0.137	0.004	Non-Compact	0	0
CUBIERTA_B AJA	B424	1195	TUBO200X100X6	0.133 = 0.022 + 0.09 + 0.021	Comb6	0.007	0.003	Non-Compact	0	0
CUBIERTA_B AJA	B425	1196	TUBO200X100X6	0.061 = 0.021 + 0.011 + 0.028	Comb6	0.002	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B426	1197	TUBO200X100X6	0.056 = 0.046 + 0.007 + 0.003	Comb6	0.001	0.0004625	Non-Compact	0	0
CUBIERTA_B AJA	B427	1198	TUBO200X100X6	0.083 = 0.046 + 0.032 + 0.005	Comb6	0.003	0.0003762	Non-Compact	0	0
CUBIERTA_B AJA	B428	1199	TUBO200X100X6	0.082 = 0.047 + 0.032 + 0.002	Comb6	0.003	0	Non-Compact	0	0
CUBIERTA_B AJA	B429	1200	TUBO200X100X6	0.055 = 0.047 + 0.006 + 0.002	Comb6	0.001	0.0001952	Non-Compact	0	0
CUBIERTA_B AJA	B430	1201	TUBO200X100X6	0.063 = 0.023 + 0.011 + 0.029	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B431	1202	TUBO200X100X6	0.132 = 0.024 + 0.084 + 0.025	Comb6	0.007	0.004	Non-Compact	0	0
CUBIERTA_B AJA	B432	1203	TUBO200X100X6	0.702 = 0.279 + 0.408 + 0.015	Comb6	0.144	0.004	Non-Compact	0	0
CUBIERTA_B AJA	B433	1204	TUBO200X100X6	0.235 = 0.084 + 0.147 + 0.004	Comb6	0.017	0.003	Non-Compact	0	11.3629
CUBIERTA_B AJA	B434	1246	TUBO200X100X6	0.232 = 0.074 + 0.155 + 0.003	Comb6	0.021	0.003	Non-Compact	13.9114	0
CUBIERTA_B AJA	B435	1247	TUBO200X100X6	0.689 = 0.261 + 0.421 + 0.007	Comb6	0.138	0.002	Non-Compact	0	0
CUBIERTA_B AJA	B436	1248	TUBO200X100X6	0.152 = 0.022 + 0.091 + 0.039	Comb6	0.008	0.008	Non-Compact	0	0
CUBIERTA_B AJA	B437	1249	TUBO200X100X6	0.055 = 0.023 + 0.011 + 0.022	Comb6	0.001	0.005	Non-Compact	0	0
CUBIERTA_B AJA	B438	1250	TUBO200X100X6	0.059 = 0.047 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B439	1251	TUBO200X100X6	0.09 = 0.047 + 0.032 + 0.01	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B440	1252	TUBO200X100X6	0.085 = 0.048 + 0.031 + 0.006	Comb6	0.003	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B441	1253	TUBO200X100X6	0.058 = 0.048 + 0.007 + 0.004	Comb6	0.001	0.0004393	Non-Compact	0	0
CUBIERTA_B AJA	B442	1254	TUBO200X100X6	0.058 = 0.024 + 0.004 + 0.03	Comb6	0.001	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B443	1255	TUBO200X100X6	0.153 = 0.024 + 0.085 + 0.044	Comb6	0.007	0.01	Non-Compact	0	0
CUBIERTA_B AJA	B444	1256	TUBO200X100X6	0.699 = 0.274 + 0.408 + 0.018	Comb6	0.146	0.004	Non-Compact	0	0
CUBIERTA_B AJA	B445	1257	TUBO200X100X6	0.243 = 0.079 + 0.157 + 0.008	Comb6	0.021	0.003	Non-Compact	0	13.7968
CUBIERTA_B AJA	B446	1299	TUBO200X100X6	0.254 = 0.084 + 0.162 + 0.008	Comb6	0.021	0.002	Non-Compact	14.366	0
CUBIERTA_B AJA	B447	1300	TUBO200X100X6	0.753 = 0.287 + 0.445 + 0.022	Comb6	0.146	0.005	Non-Compact	0	0
CUBIERTA_B AJA	B448	1301	TUBO200X100X6	0.166 = 0.023 + 0.094 + 0.049	Comb6	0.008	0.012	Non-Compact	0	0
CUBIERTA_B AJA	B449	1302	TUBO200X100X6	0.063 = 0.023 + 0.012 + 0.028	Comb6	0.002	0.006	Non-Compact	0	0
CUBIERTA_B AJA	B450	1303	TUBO200X100X6	0.064 = 0.05 + 0.007 + 0.007	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA_B AJA	B451	1304	TUBO200X100X6	0.1 = 0.05 + 0.035 + 0.014	Comb6	0.004	0.001	Non-Compact	0	0
CUBIERTA_B	B452	1305	TUBO200X1	0.093 = 0.051 + 0.034	Comb6	0.004	0.001	Non-	0	0

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End kN	Conn. V J-End kN
AJA			00X6	+ 0.008				Compact		
CUBIERTA$_{B}$ AJA	B453	1306	TUBO200X100X6	0.063 = 0.051 + 0.007 + 0.005	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B454	1307	TUBO200X100X6	0.067 = 0.025 + 0.003 + 0.039	Comb6	0.002	0.008	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B455	1308	TUBO200X100X6	0.169 = 0.025 + 0.088 + 0.056	Comb6	0.007	0.015	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B456	1309	TUBO200X100X6	0.77 = 0.302 + 0.429 + 0.039	Comb6	0.153	0.009	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B457	1310	TUBO200X100X6	0.268 = 0.09 + 0.162 + 0.015	Comb6	0.021	0.003	Non-Compact	0	14.1181
CUBIERTA$_{B}$ AJA	B458	1352	TUBO200X100X6	0.209 = 0.048 + 0.078 + 0.083	Comb6	0.009	0.01	Non-Compact	6.1917	0
CUBIERTA$_{B}$ AJA	B459	1353	TUBO200X100X6	0.081 = 0.031 + 0.007 + 0.043	Comb6	0.001	0.008	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B460	1354	TUBO200X100X6	0.093 = 0.027 + 0.014 + 0.052	Comb6	0.002	0.008	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B461	1355	TUBO200X100X6	0.071 = 0.027 + 0.012 + 0.031	Comb6	0.001	0.0003028	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B462	1356	TUBO200X100X6	0.057 = 0.035 + 0.016 + 0.006	Comb6	0.003	0.0001359	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B463	1357	TUBO200X100X6	0.091 = 0.035 + 0.042 + 0.014	Comb6	0.006	0.002	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B464	1358	TUBO200X100X6	0.077 = 0.029 + 0.032 + 0.016	Comb6	0.004	0.002	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B465	1359	TUBO200X100X6	0.042 = 0.029 + 0.002 + 0.011	Comb6	0.001	0.001	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B466	1360	TUBO200X100X6	0.065 = 0.011 + 0.012 + 0.042	Comb6	0.002	0.001	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B467	1361	TUBO200X100X6	0.132 = 0.011 + 0.059 + 0.063	Comb6	0.006	0.015	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B468	1362	TUBO200X100X6	3.199 = 2.83 + 0.256 + 0.113	Comb6	0.093	0.023	Non-Compact	0	0
CUBIERTA$_{B}$ AJA	B469	1363	TUBO200X100X6	1.927 = 1.806 + 0.085 + 0.036	Comb6	0.012	0.006	Non-Compact	0	8.3693
CUBIERTA$_{B}$ AJA	B19	1402	TUBO200x100X4	0.267 = 0.03 + 0.098 + 0.139	Comb6	0.025	0.026	Slender	5.0703	7.1223
CUBIERTA$_{B}$ AJA	B23	1901	TUBO200x100X4	0.275 = 0.03 + 0.1 + 0.144	Comb6	0.025	0.028	Slender	5.1781	7.2628

Table 1.5 - Steel Brace Envelope - AISC 360-16

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
CUBIERTA$_{A}$ LTA	D1	358	TUBO200x100X4	0.192 = 0.03 + 0.012 + 0.15	Comb6	0.001	0.009	Slender	43.544	43.544
CUBIERTA$_{A}$ LTA	D2	359	TUBO200x100X4	0.075 = 0.055 + 0.013 + 0.007	Comb6	0.002	0.0001017	Slender	-54.547	-54.547
CUBIERTA$_{A}$ LTA	D3	360	TUBO200x100X4	0.251 = 0.041 + 0.021 + 0.189	Comb6	0.002	0.014	Slender	58.9317	58.9317
CUBIERTA$_{A}$ LTA	D4	361	TUBO200x100X4	0.669 = 0.378 + 0.058 + 0.234	Comb6	0.012	0.016	Slender	-187.0535	-187.0535
CUBIERTA$_{A}$ LTA	D5	362	TUBO200x100X4	0.209 = 0.074 + 0.127 + 0.008	Comb6	0.011	0.002	Slender	107.1397	107.1397
CUBIERTA$_{A}$ LTA	D6	363	TUBO200x100X4	0.061 = 0.026 + 0.004 + 0.031	Comb6	0.002	0.001	Slender	38.4948	38.4948
CUBIERTA$_{A}$ LTA	D7	364	TUBO200x100X4	0.193 = 0.033 + 0.009 + 0.151	Comb6	0.001	0.009	Slender	47.888	47.888
CUBIERTA$_{A}$ LTA	D8	365	TUBO200x100X4	0.081 = 0.059 + 0.013 + 0.008	Comb6	0.002	0	Slender	-58.5844	-58.5844
CUBIERTA$_{A}$ LTA	D9	366	TUBO200x100X4	0.25 = 0.043 + 0.021 + 0.185	Comb6	0.002	0.014	Slender	62.742	62.742
CUBIERTA$_{A}$ LTA	D10	367	TUBO200x100X4	0.667 = 0.376 + 0.061 + 0.23	Comb6	0.012	0.016	Slender	-187.0099	-187.0099
CUBIERTA$_{A}$ LTA	D11	368	TUBO200x100X4	0.211 = 0.068 + 0.133 + 0.009	Comb6	0.011	0.002	Slender	99.1091	99.1091
CUBIERTA$_{A}$	D12	369	TUBO200x1	0.059 = 0.026 + 0.003	Comb6	0.002	0.001	Slender	38.406	38.406

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA			00X4	+ 0.03						
CUBIERTA$_{A}$ LTA	D13	411	TUBO200x100X4	0.208 = 0.032 + 0.011 + 0.165	Comb6	0.001	0.012	Slender	46.3871	46.3871
CUBIERTA$_{A}$ LTA	D14	412	TUBO200x100X4	0.094 = 0.058 + 0.011 + 0.025	Comb6	0.002	0.0004203	Slender	-57.6756	-57.6756
CUBIERTA$_{A}$ LTA	D15	413	TUBO200x100X4	0.221 = 0.042 + 0.017 + 0.162	Comb6	0.002	0.013	Slender	61.1806	61.1806
CUBIERTA$_{A}$ LTA	D16	414	TUBO200x100X4	0.601 = 0.363 + 0.053 + 0.186	Comb6	0.011	0.016	Slender	-179.569	-179.569
CUBIERTA$_{A}$ LTA	D17	415	TUBO200x100X4	0.237 = 0.07 + 0.121 + 0.046	Comb6	0.01	0.003	Slender	101.9107	101.9107
CUBIERTA$_{A}$ LTA	D18	416	TUBO200x100X4	0.065 = 0.026 + 0.025 + 0.013	Comb6	0.002	0.001	Slender	38.574	38.574
CUBIERTA$_{A}$ LTA	D19	417	TUBO200x100X4	0.213 = 0.034 + 0.01 + 0.169	Comb6	0.001	0.013	Slender	50.4023	50.4023
CUBIERTA$_{A}$ LTA	D20	418	TUBO200x100X4	0.1 = 0.061 + 0.012 + 0.027	Comb6	0.002	0.001	Slender	-61.356	-61.356
CUBIERTA$_{A}$ LTA	D21	419	TUBO200x100X4	0.222 = 0.045 + 0.017 + 0.16	Comb6	0.002	0.013	Slender	64.6906	64.6906
CUBIERTA$_{A}$ LTA	D22	420	TUBO200x100X4	0.603 = 0.362 + 0.056 + 0.184	Comb6	0.012	0.016	Slender	-180.0374	-180.0374
CUBIERTA$_{A}$ LTA	D23	421	TUBO200x100X4	0.238 = 0.065 + 0.127 + 0.046	Comb6	0.011	0.004	Slender	94.4602	94.4602
CUBIERTA$_{A}$ LTA	D24	422	TUBO200x100X4	0.064 = 0.026 + 0.025 + 0.013	Comb6	0.002	0.001	Slender	38.3638	38.3638
CUBIERTA$_{A}$ LTA	D25	464	TUBO200x100X4	0.234 = 0.033 + 0.011 + 0.19	Comb6	0.001	0.015	Slender	48.1743	48.1743
CUBIERTA$_{A}$ LTA	D26	465	TUBO200x100X4	0.103 = 0.06 + 0.011 + 0.032	Comb6	0.002	0.0002471	Slender	-59.6815	-59.6815
CUBIERTA$_{A}$ LTA	D27	466	TUBO200x100X4	0.247 = 0.043 + 0.017 + 0.187	Comb6	0.002	0.015	Slender	63.0774	63.0774
CUBIERTA$_{A}$ LTA	D28	467	TUBO200x100X4	0.634 = 0.368 + 0.054 + 0.213	Comb6	0.011	0.017	Slender	-181.9058	-181.9058
CUBIERTA$_{A}$ LTA	D29	468	TUBO200x100X4	0.24 = 0.072 + 0.124 + 0.044	Comb6	0.011	0.004	Slender	104.5253	104.5253
CUBIERTA$_{A}$ LTA	D30	469	TUBO200x100X4	0.055 = 0.028 + 0.02 + 0.008	Comb6	0.002	0.0002732	Slender	40.9541	40.9541
CUBIERTA$_{A}$ LTA	D31	470	TUBO200x100X4	0.24 = 0.036 + 0.01 + 0.194	Comb6	0.001	0.015	Slender	51.9655	51.9655
CUBIERTA$_{A}$ LTA	D32	471	TUBO200x100X4	0.11 = 0.063 + 0.012 + 0.034	Comb6	0.002	0.0003498	Slender	-63.4421	-63.4421
CUBIERTA$_{A}$ LTA	D33	472	TUBO200x100X4	0.249 = 0.046 + 0.018 + 0.185	Comb6	0.002	0.015	Slender	66.611	66.611
CUBIERTA$_{A}$ LTA	D34	473	TUBO200x100X4	0.635 = 0.367 + 0.057 + 0.211	Comb6	0.012	0.017	Slender	-182.4413	-182.4413
CUBIERTA$_{A}$ LTA	D35	474	TUBO200x100X4	0.242 = 0.067 + 0.131 + 0.044	Comb6	0.011	0.004	Slender	96.9964	96.9964
CUBIERTA$_{A}$ LTA	D36	475	TUBO200x100X4	0.055 = 0.028 + 0.02 + 0.008	Comb6	0.002	0.0002518	Slender	40.8178	40.8178
CUBIERTA$_{A}$ LTA	D37	517	TUBO200x100X4	0.207 = 0.032 + 0.012 + 0.163	Comb6	0.001	0.013	Slender	46.4073	46.4073
CUBIERTA$_{A}$ LTA	D38	518	TUBO200x100X4	0.103 = 0.059 + 0.014 + 0.031	Comb6	0.002	0	Slender	-57.8962	-57.8962
CUBIERTA$_{A}$ LTA	D39	519	TUBO200x100X4	0.224 = 0.042 + 0.017 + 0.164	Comb6	0.002	0.014	Slender	61.1962	61.1962
CUBIERTA$_{A}$ LTA	D40	520	TUBO200x100X4	0.62 = 0.363 + 0.054 + 0.204	Comb6	0.011	0.015	Slender	-179.4201	-179.4201
CUBIERTA$_{A}$ LTA	D41	521	TUBO200x100X4	0.214 = 0.07 + 0.123 + 0.02	Comb6	0.01	0.002	Slender	102.4857	102.4857
CUBIERTA$_{A}$ LTA	D42	522	TUBO200x100X4	0.056 = 0.026 + 0.005 + 0.025	Comb6	0.002	0.002	Slender	38.1644	38.1644
CUBIERTA$_{A}$ LTA	D43	523	TUBO200x100X4	0.209 = 0.034 + 0.009 + 0.165	Comb6	0.001	0.013	Slender	50.3862	50.3862
CUBIERTA$_{A}$ LTA	D44	524	TUBO200x100X4	0.108 = 0.062 + 0.014 + 0.031	Comb6	0.002	0	Slender	-61.6141	-61.6141
CUBIERTA$_{A}$ LTA	D45	525	TUBO200x100X4	0.225 = 0.045 + 0.018 + 0.163	Comb6	0.002	0.014	Slender	64.7261	64.7261
CUBIERTA$_{A}$	D46	526	TUBO200x1	0.621 = 0.361 + 0.057	Comb6	0.012	0.015	Slender	-179.7871	-179.7871

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA			00X4	+ 0.203						
CUBIERTA_A LTA	D47	527	TUBO200x100X4	0.215 = 0.065 + 0.129 + 0.02	Comb6	0.011	0.002	Slender	94.9561	94.9561
CUBIERTA_A LTA	D48	528	TUBO200x100X4	0.054 = 0.026 + 0.004 + 0.024	Comb6	0.002	0.002	Slender	38.0725	38.0725
CUBIERTA_A LTA	D49	570	TUBO200x100X4	0.205 = 0.031 + 0.011 + 0.163	Comb6	0.001	0.013	Slender	45.9488	45.9488
CUBIERTA_A LTA	D50	571	TUBO200x100X4	0.094 = 0.058 + 0.013 + 0.023	Comb6	0.002	0	Slender	-57.255	-57.255
CUBIERTA_A LTA	D51	572	TUBO200x100X4	0.224 = 0.042 + 0.016 + 0.167	Comb6	0.002	0.013	Slender	60.5316	60.5316
CUBIERTA_A LTA	D52	573	TUBO200x100X4	0.602 = 0.363 + 0.052 + 0.187	Comb6	0.011	0.016	Slender	-179.5029	-179.5029
CUBIERTA_A LTA	D53	574	TUBO200x100X4	0.238 = 0.07 + 0.121 + 0.047	Comb6	0.01	0.004	Slender	102.0327	102.0327
CUBIERTA_A LTA	D54	575	TUBO200x100X4	0.064 = 0.026 + 0.025 + 0.013	Comb6	0.002	0.001	Slender	38.6229	38.6229
CUBIERTA_A LTA	D55	576	TUBO200x100X4	0.211 = 0.034 + 0.01 + 0.167	Comb6	0.001	0.013	Slender	50.17	50.17
CUBIERTA_A LTA	D56	577	TUBO200x100X4	0.098 = 0.062 + 0.014 + 0.022	Comb6	0.002	0.0001555	Slender	-61.1885	-61.1885
CUBIERTA_A LTA	D57	578	TUBO200x100X4	0.224 = 0.044 + 0.016 + 0.163	Comb6	0.002	0.013	Slender	64.2613	64.2613
CUBIERTA_A LTA	D58	579	TUBO200x100X4	0.602 = 0.361 + 0.055 + 0.185	Comb6	0.012	0.015	Slender	-179.5912	-179.5912
CUBIERTA_A LTA	D59	580	TUBO200x100X4	0.237 = 0.065 + 0.127 + 0.045	Comb6	0.011	0.003	Slender	94.2829	94.2829
CUBIERTA_A LTA	D60	581	TUBO200x100X4	0.063 = 0.026 + 0.025 + 0.012	Comb6	0.002	0.001	Slender	38.4715	38.4715
CUBIERTA_A LTA	D61	623	TUBO200x100X4	0.252 = 0.032 + 0.011 + 0.208	Comb6	0.001	0.016	Slender	47.5711	47.5711
CUBIERTA_A LTA	D62	624	TUBO200x100X4	0.099 = 0.059 + 0.011 + 0.028	Comb6	0.002	0.0002595	Slender	-59.1155	-59.1155
CUBIERTA_A LTA	D63	625	TUBO200x100X4	0.254 = 0.043 + 0.017 + 0.194	Comb6	0.002	0.015	Slender	62.2964	62.2964
CUBIERTA_A LTA	D64	626	TUBO200x100X4	0.63 = 0.366 + 0.053 + 0.21	Comb6	0.011	0.017	Slender	-181.2477	-181.2477
CUBIERTA_A LTA	D65	627	TUBO200x100X4	0.245 = 0.072 + 0.124 + 0.05	Comb6	0.011	0.004	Slender	104.3329	104.3329
CUBIERTA_A LTA	D66	628	TUBO200x100X4	0.055 = 0.028 + 0.019 + 0.007	Comb6	0.002	0.0001688	Slender	40.7632	40.7632
CUBIERTA_A LTA	D67	629	TUBO200x100X4	0.254 = 0.035 + 0.01 + 0.209	Comb6	0.001	0.017	Slender	51.6184	51.6184
CUBIERTA_A LTA	D68	630	TUBO200x100X4	0.112 = 0.063 + 0.012 + 0.036	Comb6	0.002	0.0002753	Slender	-63.0854	-63.0854
CUBIERTA_A LTA	D69	631	TUBO200x100X4	0.269 = 0.045 + 0.017 + 0.207	Comb6	0.002	0.017	Slender	65.9651	65.9651
CUBIERTA_A LTA	D70	632	TUBO200x100X4	0.637 = 0.365 + 0.057 + 0.216	Comb6	0.012	0.018	Slender	-181.39	-181.39
CUBIERTA_A LTA	D71	633	TUBO200x100X4	0.261 = 0.066 + 0.13 + 0.065	Comb6	0.011	0.005	Slender	96.5418	96.5418
CUBIERTA_A LTA	D72	634	TUBO200x100X4	0.053 = 0.028 + 0.019 + 0.005	Comb6	0.002	0.0001224	Slender	40.6442	40.6442
CUBIERTA_A LTA	D73	962	TUBO200x100X4	0.225 = 0.032 + 0.012 + 0.182	Comb6	0.001	0.016	Slender	46.2018	46.2018
CUBIERTA_A LTA	D74	963	TUBO200x100X4	0.114 = 0.058 + 0.011 + 0.044	Comb6	0.002	0.0001684	Slender	-57.7886	-57.7886
CUBIERTA_A LTA	D75	964	TUBO200x100X4	0.223 = 0.042 + 0.016 + 0.165	Comb6	0.002	0.014	Slender	60.8678	60.8678
CUBIERTA_A LTA	D76	965	TUBO200x100X4	0.62 = 0.362 + 0.053 + 0.206	Comb6	0.011	0.015	Slender	-179.0083	-179.0083
CUBIERTA_A LTA	D77	966	TUBO200x100X4	0.212 = 0.07 + 0.123 + 0.018	Comb6	0.01	0.002	Slender	102.3504	102.3504
CUBIERTA_A LTA	D78	967	TUBO200x100X4	0.057 = 0.026 + 0.005 + 0.026	Comb6	0.002	0.002	Slender	38.3075	38.3075
CUBIERTA_A LTA	D79	968	TUBO200x100X4	0.231 = 0.035 + 0.009 + 0.187	Comb6	0.001	0.016	Slender	50.6012	50.6012
CUBIERTA_A	D80	969	TUBO200x1	0.116 = 0.062 + 0.014	Comb6	0.002	0	Slender	-61.8183	-61.8183

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA			00X4	+ 0.039						
CUBIERTA$_{A}$ LTA	D81	970	TUBO200x100X4	0.241 = 0.045 + 0.017 + 0.18	Comb6	0.002	0.015	Slender	64.7371	64.7371
CUBIERTA$_{A}$ LTA	D82	971	TUBO200x100X4	0.641 = 0.36 + 0.056 + 0.225	Comb6	0.012	0.016	Slender	-178.8763	-178.8763
CUBIERTA$_{A}$ LTA	D83	972	TUBO200x100X4	0.209 = 0.065 + 0.129 + 0.015	Comb6	0.011	0.002	Slender	94.4721	94.4721
CUBIERTA$_{A}$ LTA	D84	973	TUBO200x100X4	0.057 = 0.026 + 0.003 + 0.028	Comb6	0.002	0.001	Slender	38.3066	38.3066
CUBIERTA$_{A}$ LTA	D85	1015	TUBO200x100X4	0.209 = 0.032 + 0.011 + 0.167	Comb6	0.001	0.013	Slender	46.3012	46.3012
CUBIERTA$_{A}$ LTA	D86	1016	TUBO200x100X4	0.093 = 0.058 + 0.014 + 0.021	Comb6	0.002	0	Slender	-57.6479	-57.6479
CUBIERTA$_{A}$ LTA	D87	1017	TUBO200x100X4	0.228 = 0.042 + 0.016 + 0.17	Comb6	0.002	0.013	Slender	60.8264	60.8264
CUBIERTA$_{A}$ LTA	D88	1018	TUBO200x100X4	0.603 = 0.365 + 0.052 + 0.186	Comb6	0.011	0.016	Slender	-180.5821	-180.5821
CUBIERTA$_{A}$ LTA	D89	1019	TUBO200x100X4	0.244 = 0.071 + 0.122 + 0.052	Comb6	0.01	0.004	Slender	102.7376	102.7376
CUBIERTA$_{A}$ LTA	D90	1020	TUBO200x100X4	0.065 = 0.027 + 0.026 + 0.013	Comb6	0.002	0.001	Slender	38.9258	38.9258
CUBIERTA$_{A}$ LTA	D91	1021	TUBO200x100X4	0.215 = 0.035 + 0.01 + 0.17	Comb6	0.001	0.013	Slender	50.5461	50.5461
CUBIERTA$_{A}$ LTA	D92	1022	TUBO200x100X4	0.098 = 0.062 + 0.014 + 0.022	Comb6	0.002	0.0001609	Slender	-61.5801	-61.5801
CUBIERTA$_{A}$ LTA	D93	1023	TUBO200x100X4	0.229 = 0.045 + 0.016 + 0.168	Comb6	0.002	0.013	Slender	64.563	64.563
CUBIERTA$_{A}$ LTA	D94	1024	TUBO200x100X4	0.603 = 0.363 + 0.055 + 0.184	Comb6	0.012	0.016	Slender	-180.6643	-180.6643
CUBIERTA$_{A}$ LTA	D95	1025	TUBO200x100X4	0.246 = 0.065 + 0.128 + 0.052	Comb6	0.011	0.004	Slender	94.9625	94.9625
CUBIERTA$_{A}$ LTA	D96	1026	TUBO200x100X4	0.065 = 0.026 + 0.025 + 0.013	Comb6	0.003	0.001	Slender	38.7507	38.7507
CUBIERTA$_{A}$ LTA	D97	1068	TUBO200x100X4	0.211 = 0.032 + 0.012 + 0.167	Comb6	0.001	0.014	Slender	46.9081	46.9081
CUBIERTA$_{A}$ LTA	D98	1069	TUBO200x100X4	0.107 = 0.059 + 0.014 + 0.034	Comb6	0.002	0	Slender	-58.525	-58.525
CUBIERTA$_{A}$ LTA	D99	1070	TUBO200x100X4	0.226 = 0.042 + 0.017 + 0.167	Comb6	0.002	0.014	Slender	61.6349	61.6349
CUBIERTA$_{A}$ LTA	D100	1071	TUBO200x100X4	0.623 = 0.365 + 0.054 + 0.204	Comb6	0.011	0.015	Slender	-180.6859	-180.6859
CUBIERTA$_{A}$ LTA	D101	1072	TUBO200x100X4	0.216 = 0.071 + 0.124 + 0.021	Comb6	0.011	0.002	Slender	103.2645	103.2645
CUBIERTA$_{A}$ LTA	D102	1073	TUBO200x100X4	0.057 = 0.026 + 0.005 + 0.026	Comb6	0.002	0.002	Slender	38.6231	38.6231
CUBIERTA$_{A}$ LTA	D103	1074	TUBO200x100X4	0.214 = 0.035 + 0.009 + 0.169	Comb6	0.001	0.014	Slender	50.9098	50.9098
CUBIERTA$_{A}$ LTA	D104	1075	TUBO200x100X4	0.112 = 0.063 + 0.015 + 0.034	Comb6	0.002	0	Slender	-62.2764	-62.2764
CUBIERTA$_{A}$ LTA	D105	1076	TUBO200x100X4	0.228 = 0.045 + 0.017 + 0.165	Comb6	0.002	0.014	Slender	65.1921	65.1921
CUBIERTA$_{A}$ LTA	D106	1077	TUBO200x100X4	0.625 = 0.364 + 0.057 + 0.204	Comb6	0.012	0.015	Slender	-181.0548	-181.0548
CUBIERTA$_{A}$ LTA	D107	1078	TUBO200x100X4	0.217 = 0.066 + 0.131 + 0.021	Comb6	0.011	0.002	Slender	95.6745	95.6745
CUBIERTA$_{A}$ LTA	D108	1079	TUBO200x100X4	0.055 = 0.026 + 0.003 + 0.025	Comb6	0.002	0.001	Slender	38.5284	38.5284
CUBIERTA$_{A}$ LTA	D109	1121	TUBO200x100X4	0.207 = 0.032 + 0.011 + 0.165	Comb6	0.001	0.013	Slender	46.2764	46.2764
CUBIERTA$_{A}$ LTA	D110	1122	TUBO200x100X4	0.095 = 0.058 + 0.014 + 0.023	Comb6	0.002	0	Slender	-57.6412	-57.6412
CUBIERTA$_{A}$ LTA	D111	1123	TUBO200x100X4	0.226 = 0.042 + 0.015 + 0.168	Comb6	0.002	0.013	Slender	60.7818	60.7818
CUBIERTA$_{A}$ LTA	D112	1124	TUBO200x100X4	0.6 = 0.363 + 0.052 + 0.185	Comb6	0.011	0.016	Slender	-179.8804	-179.8804
CUBIERTA$_{A}$ LTA	D113	1125	TUBO200x100X4	0.241 = 0.07 + 0.121 + 0.049	Comb6	0.01	0.004	Slender	102.2664	102.2664
CUBIERTA$_{A}$	D114	1126	TUBO200x1	0.064 = 0.026 + 0.025	Comb6	0.002	0.001	Slender	38.8596	38.8596

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA			00X4	+ 0.013						
CUBIERTA$_{A}$ LTA	D115	1127	TUBO200x100X4	0.213 = 0.034 + 0.01 + 0.169	Comb6	0.001	0.013	Slender	50.3169	50.3169
CUBIERTA$_{A}$ LTA	D116	1128	TUBO200x100X4	0.099 = 0.062 + 0.014 + 0.023	Comb6	0.002	0.0001102	Slender	-61.3774	-61.3774
CUBIERTA$_{A}$ LTA	D117	1129	TUBO200x100X4	0.227 = 0.044 + 0.016 + 0.166	Comb6	0.002	0.013	Slender	64.3368	64.3368
CUBIERTA$_{A}$ LTA	D118	1130	TUBO200x100X4	0.601 = 0.362 + 0.055 + 0.184	Comb6	0.012	0.016	Slender	-180.2582	-180.2582
CUBIERTA$_{A}$ LTA	D119	1131	TUBO200x100X4	0.242 = 0.065 + 0.128 + 0.049	Comb6	0.011	0.004	Slender	94.7204	94.7204
CUBIERTA$_{A}$ LTA	D120	1132	TUBO200x100X4	0.063 = 0.026 + 0.025 + 0.012	Comb6	0.002	0.001	Slender	38.6645	38.6645
CUBIERTA$_{A}$ LTA	D121	1174	TUBO200x100X4	0.235 = 0.033 + 0.011 + 0.191	Comb6	0.001	0.015	Slender	48.2064	48.2064
CUBIERTA$_{A}$ LTA	D122	1175	TUBO200x100X4	0.106 = 0.061 + 0.014 + 0.031	Comb6	0.002	0	Slender	-59.752	-59.752
CUBIERTA$_{A}$ LTA	D123	1176	TUBO200x100X4	0.249 = 0.043 + 0.017 + 0.189	Comb6	0.002	0.015	Slender	62.9179	62.9179
CUBIERTA$_{A}$ LTA	D124	1177	TUBO200x100X4	0.63 = 0.367 + 0.053 + 0.21	Comb6	0.011	0.017	Slender	-181.6949	-181.6949
CUBIERTA$_{A}$ LTA	D125	1178	TUBO200x100X4	0.243 = 0.072 + 0.124 + 0.047	Comb6	0.011	0.004	Slender	104.5044	104.5044
CUBIERTA$_{A}$ LTA	D126	1179	TUBO200x100X4	0.056 = 0.028 + 0.02 + 0.008	Comb6	0.002	0.0001054	Slender	41.0681	41.0681
CUBIERTA$_{A}$ LTA	D127	1180	TUBO200x100X4	0.241 = 0.036 + 0.01 + 0.195	Comb6	0.001	0.016	Slender	51.9765	51.9765
CUBIERTA$_{A}$ LTA	D128	1181	TUBO200x100X4	0.111 = 0.064 + 0.015 + 0.032	Comb6	0.002	0.000116	Slender	-63.527	-63.527
CUBIERTA$_{A}$ LTA	D129	1182	TUBO200x100X4	0.25 = 0.046 + 0.017 + 0.187	Comb6	0.002	0.015	Slender	66.4677	66.4677
CUBIERTA$_{A}$ LTA	D130	1183	TUBO200x100X4	0.632 = 0.366 + 0.057 + 0.209	Comb6	0.012	0.017	Slender	-182.2257	-182.2257
CUBIERTA$_{A}$ LTA	D131	1184	TUBO200x100X4	0.244 = 0.067 + 0.131 + 0.046	Comb6	0.011	0.004	Slender	96.9586	96.9586
CUBIERTA$_{A}$ LTA	D132	1185	TUBO200x100X4	0.056 = 0.028 + 0.02 + 0.008	Comb6	0.002	0.0001036	Slender	40.9328	40.9328
CUBIERTA$_{A}$ LTA	D133	1227	TUBO200x100X4	0.208 = 0.032 + 0.012 + 0.164	Comb6	0.001	0.014	Slender	46.4129	46.4129
CUBIERTA$_{A}$ LTA	D134	1228	TUBO200x100X4	0.105 = 0.059 + 0.014 + 0.033	Comb6	0.002	0.0001041	Slender	-57.9018	-57.9018
CUBIERTA$_{A}$ LTA	D135	1229	TUBO200x100X4	0.225 = 0.042 + 0.017 + 0.166	Comb6	0.002	0.014	Slender	61.0078	61.0078
CUBIERTA$_{A}$ LTA	D136	1230	TUBO200x100X4	0.616 = 0.362 + 0.053 + 0.201	Comb6	0.011	0.015	Slender	-179.266	-179.266
CUBIERTA$_{A}$ LTA	D137	1231	TUBO200x100X4	0.217 = 0.07 + 0.123 + 0.024	Comb6	0.01	0.002	Slender	102.5012	102.5012
CUBIERTA$_{A}$ LTA	D138	1232	TUBO200x100X4	0.056 = 0.026 + 0.005 + 0.025	Comb6	0.002	0.002	Slender	38.2606	38.2606
CUBIERTA$_{A}$ LTA	D139	1233	TUBO200x100X4	0.21 = 0.034 + 0.009 + 0.166	Comb6	0.001	0.014	Slender	50.3637	50.3637
CUBIERTA$_{A}$ LTA	D140	1234	TUBO200x100X4	0.11 = 0.062 + 0.015 + 0.034	Comb6	0.002	0	Slender	-61.6667	-61.6667
CUBIERTA$_{A}$ LTA	D141	1235	TUBO200x100X4	0.225 = 0.045 + 0.017 + 0.164	Comb6	0.002	0.014	Slender	64.5906	64.5906
CUBIERTA$_{A}$ LTA	D142	1236	TUBO200x100X4	0.618 = 0.361 + 0.057 + 0.201	Comb6	0.012	0.015	Slender	-179.6041	-179.6041
CUBIERTA$_{A}$ LTA	D143	1237	TUBO200x100X4	0.216 = 0.065 + 0.13 + 0.021	Comb6	0.011	0.002	Slender	94.9199	94.9199
CUBIERTA$_{A}$ LTA	D144	1238	TUBO200x100X4	0.054 = 0.026 + 0.004 + 0.025	Comb6	0.002	0.002	Slender	38.1643	38.1643
CUBIERTA$_{A}$ LTA	D145	1280	TUBO200x100X4	0.205 = 0.031 + 0.01 + 0.164	Comb6	0.001	0.013	Slender	46.0503	46.0503
CUBIERTA$_{A}$ LTA	D146	1281	TUBO200x100X4	0.096 = 0.058 + 0.014 + 0.024	Comb6	0.002	0	Slender	-57.3349	-57.3349
CUBIERTA$_{A}$ LTA	D147	1282	TUBO200x100X4	0.226 = 0.042 + 0.015 + 0.169	Comb6	0.002	0.014	Slender	60.4269	60.4269
CUBIERTA$_{A}$	D148	1283	TUBO200x1	0.597 = 0.362 + 0.052	Comb6	0.011	0.016	Slender	-179.2013	-179.2013

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA			00X4	+ 0.183						
CUBIERTA$_{A}$ LTA	D149	1284	TUBO200x100X4	0.242 = 0.07 + 0.121 + 0.052	Comb6	0.01	0.004	Slender	101.9237	101.9237
CUBIERTA$_{A}$ LTA	D150	1285	TUBO200x100X4	0.064 = 0.026 + 0.025 + 0.012	Comb6	0.002	0.001	Slender	38.7233	38.7233
CUBIERTA$_{A}$ LTA	D151	1286	TUBO200x100X4	0.211 = 0.034 + 0.01 + 0.167	Comb6	0.001	0.013	Slender	50.0498	50.0498
CUBIERTA$_{A}$ LTA	D152	1287	TUBO200x100X4	0.099 = 0.062 + 0.014 + 0.024	Comb6	0.002	0	Slender	-61.1663	-61.1663
CUBIERTA$_{A}$ LTA	D153	1288	TUBO200x100X4	0.225 = 0.044 + 0.016 + 0.165	Comb6	0.002	0.013	Slender	64.1046	64.1046
CUBIERTA$_{A}$ LTA	D154	1289	TUBO200x100X4	0.599 = 0.361 + 0.055 + 0.183	Comb6	0.012	0.015	Slender	-179.5004	-179.5004
CUBIERTA$_{A}$ LTA	D155	1290	TUBO200x100X4	0.238 = 0.065 + 0.127 + 0.046	Comb6	0.011	0.004	Slender	94.2803	94.2803
CUBIERTA$_{A}$ LTA	D156	1291	TUBO200x100X4	0.063 = 0.026 + 0.025 + 0.012	Comb6	0.002	0.001	Slender	38.5428	38.5428
CUBIERTA$_{A}$ LTA	D157	1333	TUBO200x100X4	0.254 = 0.035 + 0.012 + 0.208	Comb6	0.001	0.017	Slender	51.2687	51.2687
CUBIERTA$_{A}$ LTA	D158	1334	TUBO200x100X4	0.109 = 0.063 + 0.012 + 0.034	Comb6	0.002	0.000293	Slender	-63.0872	-63.0872
CUBIERTA$_{A}$ LTA	D159	1335	TUBO200x100X4	0.267 = 0.045 + 0.017 + 0.204	Comb6	0.002	0.017	Slender	65.9965	65.9965
CUBIERTA$_{A}$ LTA	D160	1336	TUBO200x100X4	0.649 = 0.384 + 0.056 + 0.21	Comb6	0.012	0.018	Slender	-189.8518	-189.8518
CUBIERTA$_{A}$ LTA	D161	1337	TUBO200x100X4	0.274 = 0.075 + 0.13 + 0.069	Comb6	0.011	0.005	Slender	109.26	109.26
CUBIERTA$_{A}$ LTA	D162	1338	TUBO200x100X4	0.058 = 0.029 + 0.02 + 0.008	Comb6	0.002	0	Slender	43.1307	43.1307
CUBIERTA$_{A}$ LTA	D163	1339	TUBO200x100X4	0.259 = 0.037 + 0.011 + 0.21	Comb6	0.001	0.017	Slender	54.7109	54.7109
CUBIERTA$_{A}$ LTA	D164	1340	TUBO200x100X4	0.113 = 0.067 + 0.016 + 0.031	Comb6	0.002	0.000123	Slender	-66.6908	-66.6908
CUBIERTA$_{A}$ LTA	D165	1341	TUBO200x100X4	0.269 = 0.048 + 0.018 + 0.203	Comb6	0.002	0.016	Slender	69.4524	69.4524
CUBIERTA$_{A}$ LTA	D166	1342	TUBO200x100X4	0.658 = 0.384 + 0.059 + 0.214	Comb6	0.013	0.018	Slender	-191.08	-191.08
CUBIERTA$_{A}$ LTA	D167	1343	TUBO200x100X4	0.269 = 0.07 + 0.137 + 0.062	Comb6	0.012	0.005	Slender	101.8594	101.8594
CUBIERTA$_{A}$ LTA	D168	1344	TUBO200x100X4	0.057 = 0.029 + 0.021 + 0.006	Comb6	0.002	0.0001777	Slender	42.9855	42.9855
CUBIERTA$_{A}$ LTA	D169	1386	TUBO200x100X4	0.051 = 0.022 + 0.004 + 0.025	Comb6	0.001	0.002	Slender	31.845	31.845
CUBIERTA$_{A}$ LTA	D170	1387	TUBO200x100X4	0.114 = 0.045 + 0.012 + 0.057	Comb6	0.002	0.002	Slender	-44.3301	-44.3301
CUBIERTA$_{A}$ LTA	D171	1388	TUBO200x100X4	0.071 = 0.031 + 0.006 + 0.034	Comb6	0.002	0.003	Slender	45.9731	45.9731
CUBIERTA$_{A}$ LTA	D172	1389	TUBO200x100X4	0.419 = 0.211 + 0.036 + 0.173	Comb6	0.007	0.008	Slender	-104.4614	-104.4614
CUBIERTA$_{A}$ LTA	D173	1390	TUBO200x100X4	0.212 = 0.038 + 0.075 + 0.099	Comb6	0.007	0.004	Slender	55.5552	55.5552
CUBIERTA$_{A}$ LTA	D174	1391	TUBO200x100X4	0.061 = 0.024 + 0.004 + 0.033	Comb6	0.001	0.001	Slender	35.3437	35.3437
CUBIERTA$_{A}$ LTA	D176	1393	TUBO200x100X4	0.072 = 0.02 + 0.011 + 0.041	Comb6	0.002	0.001	Slender	-20.054	-20.054
CUBIERTA$_{A}$ LTA	D177	1394	TUBO200x100X4	0.036 = 0.013 + 0.003 + 0.02	Comb6	0.001	0.002	Slender	19.2074	19.2074
CUBIERTA$_{A}$ LTA	D178	1395	TUBO200x100X4	0.199 = 0.068 + 0.006 + 0.126	Comb6	0.002	0.003	Slender	-68.0465	-68.0465
CUBIERTA$_{A}$ LTA	D179	1482	TUBO200x100X4	0.135 = 0.051 + 0.008 + 0.076	Comb6	0.002	0.001	Slender	73.5908	73.5908
CUBIERTA$_{A}$ LTA	D180	1397	TUBO200x100X4	0.18 = 0.07 + 0.013 + 0.097	Comb6	0.004	0.004	Slender	-69.9193	-69.9193
CUBIERTA$_{A}$ LTA	D194	1471	TUBO200x100X4	0.203 = 0.045 + 0.064 + 0.039	Comb6	0.013	0.025	Slender	-27.4081	-27.4081
CUBIERTA$_{A}$ LTA	D195	1474	TUBO200x100X4	0.199 = 0.044 + 0.064 + 0.036	Comb6	0.013	0.025	Slender	-27.0938	-27.0938
CUBIERTA$_{A}$	D196	1476	TUBO200x1	0.204 = 0.045 + 0.064	Comb6	0.013	0.025	Slender	-27.3082	-27.3082

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA			00X4	+ 0.04						
CUBIERTA$_{A}$ LTA	D197	1479	TUBO200x100X4	0.204 = 0.045 + 0.064 + 0.04	Comb6	0.013	0.025	Slender	-27.4655	-27.4655
CUBIERTA$_{A}$ LTA	D199	1487	TUBO200x100X4	0.214 = 0.046 + 0.065 + 0.042	Comb6	0.013	0.026	Slender	-27.9753	-27.9753
CUBIERTA$_{A}$ LTA	D200	1490	TUBO200x100X4	0.213 = 0.046 + 0.065 + 0.042	Comb6	0.013	0.026	Slender	-27.8983	-27.8983
CUBIERTA$_{A}$ LTA	D201	1492	TUBO200x100X4	0.215 = 0.046 + 0.066 + 0.043	Comb6	0.013	0.027	Slender	-27.8927	-27.8927
CUBIERTA$_{A}$ LTA	D202	1495	TUBO200x100X4	0.215 = 0.046 + 0.065 + 0.043	Comb6	0.013	0.027	Slender	-28.0341	-28.0341
CUBIERTA$_{A}$ LTA	D181	298	TUBO200X100X6	0.28 = 0.007 + 0.273 + 2.17E-04	Comb6	0.054	0.001	Non-Compact	15.0333	15.0333
CUBIERTA$_{A}$ LTA	D182	301	TUBO200X100X6	0.314 = 0.006 + 0.306 + 0.001	Comb6	0.055	0.001	Non-Compact	15.2385	15.2385
CUBIERTA$_{A}$ LTA	D183	303	TUBO200X100X6	0.292 = 0.006 + 0.286 + 0	Comb6	0.055	0.001	Non-Compact	15.7463	15.7463
CUBIERTA$_{A}$ LTA	D184	306	TUBO200X100X6	0.291 = 0.006 + 0.282 + 0.002	Comb6	0.055	0.001	Non-Compact	15.801	15.801
CUBIERTA$_{A}$ LTA	D185	1465	TUBO70X70	0.051 = 0.036 + 0.008 + 0.008	Comb6	0.001	0.0001885	Non-Compact	12.1423	12.1423
CUBIERTA$_{A}$ LTA	D186	1466	TUBO70X70	0.14 = 0.09 + 0.023 + 0.026	Comb6	0.003	0.002	Non-Compact	-23.0497	-23.0497
CUBIERTA$_{A}$ LTA	D187	1483	TUBO70X70	0.086 = 0.054 + 0.024 + 0.008	Comb6	0.002	0.0001105	Non-Compact	18.2998	18.2998
CUBIERTA$_{A}$ LTA	D188	1507	TUBO70X70	0.052 = 0.037 + 0.008 + 0.008	Comb6	0.001	0.0001877	Non-Compact	12.3783	12.3783
CUBIERTA$_{A}$ LTA	D189	1508	TUBO70X70	0.142 = 0.092 + 0.023 + 0.027	Comb6	0.003	0.002	Non-Compact	-23.511	-23.511
CUBIERTA$_{A}$ LTA	D190	1509	TUBO70X70	0.087 = 0.055 + 0.025 + 0.008	Comb6	0.002	0	Non-Compact	18.6891	18.6891
CUBIERTA$_{A}$ LTA	D191	1531	TUBO70X70	0.046 = 0.033 + 0.006 + 0.007	Comb6	0.001	0.0003596	Non-Compact	11.299	11.299
CUBIERTA$_{A}$ LTA	D192	1532	TUBO70X70	0.138 = 0.088 + 0.022 + 0.029	Comb6	0.003	0.002	Non-Compact	-22.4739	-22.4739
CUBIERTA$_{A}$ LTA	D203	1533	TUBO70X70	0.089 = 0.051 + 0.023 + 0.015	Comb6	0.002	0.001	Non-Compact	17.4155	17.4155
CUBIERTA$_{A}$ LTA	D204	1539	TUBO70X70	0.047 = 0.034 + 0.006 + 0.007	Comb6	0.001	0.0003609	Non-Compact	11.5301	11.5301
CUBIERTA$_{A}$ LTA	D205	1540	TUBO70X70	0.141 = 0.09 + 0.022 + 0.029	Comb6	0.003	0.002	Non-Compact	-22.9348	-22.9348
CUBIERTA$_{A}$ LTA	D206	1541	TUBO70X70	0.091 = 0.052 + 0.024 + 0.015	Comb6	0.002	0.001	Non-Compact	17.7743	17.7743
CUBIERTA$_{A}$ LTA	D207	1578	TUBO70X70	0.047 = 0.033 + 0.006 + 0.008	Comb6	0.001	0.001	Non-Compact	11.1393	11.1393
CUBIERTA$_{A}$ LTA	D208	1579	TUBO70X70	0.148 = 0.088 + 0.022 + 0.039	Comb6	0.003	0.003	Non-Compact	-22.4184	-22.4184
CUBIERTA$_{A}$ LTA	D209	1580	TUBO70X70	0.08 = 0.052 + 0.023 + 0.005	Comb6	0.002	0.0001571	Non-Compact	17.7303	17.7303
CUBIERTA$_{A}$ LTA	D210	1586	TUBO70X70	0.048 = 0.034 + 0.006 + 0.008	Comb6	0.001	0.001	Non-Compact	11.3687	11.3687
CUBIERTA$_{A}$ LTA	D211	1587	TUBO70X70	0.151 = 0.09 + 0.022 + 0.04	Comb6	0.003	0.003	Non-Compact	-22.8785	-22.8785
CUBIERTA$_{A}$ LTA	D212	1588	TUBO70X70	0.081 = 0.053 + 0.023 + 0.005	Comb6	0.002	0.0001566	Non-Compact	18.0985	18.0985
CUBIERTA$_{A}$ LTA	D213	1622	TUBO70X70	0.047 = 0.034 + 0.006 + 0.007	Comb6	0.001	0.0003732	Non-Compact	11.3581	11.3581
CUBIERTA$_{A}$ LTA	D214	1623	TUBO70X70	0.14 = 0.088 + 0.022 + 0.03	Comb6	0.003	0.002	Non-Compact	-22.4898	-22.4898
CUBIERTA$_{A}$ LTA	D215	1624	TUBO70X70	0.089 = 0.051 + 0.023 + 0.015	Comb6	0.002	0.001	Non-Compact	17.3531	17.3531
CUBIERTA$_{A}$ LTA	D216	1630	TUBO70X70	0.047 = 0.034 + 0.006 + 0.007	Comb6	0.001	0.0003565	Non-Compact	11.5631	11.5631
CUBIERTA$_{A}$ LTA	D217	1631	TUBO70X70	0.141 = 0.09 + 0.022 + 0.029	Comb6	0.003	0.002	Non-Compact	-22.9598	-22.9598
CUBIERTA$_{A}$ LTA	D218	1632	TUBO70X70	0.091 = 0.052 + 0.024 + 0.015	Comb6	0.002	0.001	Non-Compact	17.773	17.773
CUBIERTA$_{A}$	D219	1664	TUBO70X70	0.048 = 0.034 + 0.007	Comb6	0.001	0.001	Non-	11.4144	11.4144

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA				+ 0.007				Compact		
CUBIERTA$_{A}$ LTA	D220	1665	TUBO70X70	0.152 = 0.09 + 0.023 + 0.039	Comb6	0.003	0.003	Non-Compact	-23.1141	-23.1141
CUBIERTA$_{A}$ LTA	D221	1666	TUBO70X70	0.081 = 0.054 + 0.024 + 0.003	Comb6	0.002	0	Non-Compact	18.2235	18.2235
CUBIERTA$_{A}$ LTA	D222	1672	TUBO70X70	0.047 = 0.034 + 0.006 + 0.007	Comb6	0.001	0.001	Non-Compact	11.3827	11.3827
CUBIERTA$_{A}$ LTA	D223	1673	TUBO70X70	0.15 = 0.09 + 0.022 + 0.038	Comb6	0.003	0.003	Non-Compact	-22.9234	-22.9234
CUBIERTA$_{A}$ LTA	D224	1674	TUBO70X70	0.081 = 0.053 + 0.023 + 0.004	Comb6	0.002	0.0001038	Non-Compact	18.1644	18.1644
CUBIERTA$_{A}$ LTA	D225	1706	TUBO70X70	0.048 = 0.033 + 0.006 + 0.008	Comb6	0.001	0.001	Non-Compact	11.2671	11.2671
CUBIERTA$_{A}$ LTA	D226	1707	TUBO70X70	0.147 = 0.088 + 0.022 + 0.037	Comb6	0.003	0.003	Non-Compact	-22.5059	-22.5059
CUBIERTA$_{A}$ LTA	D227	1708	TUBO70X70	0.081 = 0.052 + 0.023 + 0.005	Comb6	0.002	0.0001489	Non-Compact	17.829	17.829
CUBIERTA$_{A}$ LTA	D228	1714	TUBO70X70	0.049 = 0.034 + 0.006 + 0.008	Comb6	0.001	0.001	Non-Compact	11.4912	11.4912
CUBIERTA$_{A}$ LTA	D229	1715	TUBO70X70	0.149 = 0.09 + 0.022 + 0.038	Comb6	0.003	0.003	Non-Compact	-22.9615	-22.9615
CUBIERTA$_{A}$ LTA	D230	1716	TUBO70X70	0.082 = 0.054 + 0.023 + 0.005	Comb6	0.002	0.0001479	Non-Compact	18.1959	18.1959
CUBIERTA$_{A}$ LTA	D231	1748	TUBO70X70	0.046 = 0.033 + 0.006 + 0.007	Comb6	0.001	0.0003619	Non-Compact	11.316	11.316
CUBIERTA$_{A}$ LTA	D232	1749	TUBO70X70	0.139 = 0.088 + 0.022 + 0.029	Comb6	0.003	0.002	Non-Compact	-22.5001	-22.5001
CUBIERTA$_{A}$ LTA	D233	1750	TUBO70X70	0.089 = 0.051 + 0.023 + 0.014	Comb6	0.002	0.001	Non-Compact	17.4484	17.4484
CUBIERTA$_{A}$ LTA	D234	1756	TUBO70X70	0.047 = 0.034 + 0.006 + 0.007	Comb6	0.001	0.00036	Non-Compact	11.5504	11.5504
CUBIERTA$_{A}$ LTA	D235	1757	TUBO70X70	0.141 = 0.09 + 0.022 + 0.029	Comb6	0.003	0.002	Non-Compact	-22.9607	-22.9607
CUBIERTA$_{A}$ LTA	D236	1758	TUBO70X70	0.091 = 0.052 + 0.024 + 0.015	Comb6	0.002	0.001	Non-Compact	17.8056	17.8056
CUBIERTA$_{A}$ LTA	D237	1790	TUBO70X70	0.047 = 0.033 + 0.006 + 0.008	Comb6	0.001	0.001	Non-Compact	11.1452	11.1452
CUBIERTA$_{A}$ LTA	D238	1791	TUBO70X70	0.148 = 0.088 + 0.022 + 0.039	Comb6	0.003	0.003	Non-Compact	-22.4296	-22.4296
CUBIERTA$_{A}$ LTA	D239	1792	TUBO70X70	0.08 = 0.052 + 0.023 + 0.005	Comb6	0.002	0.0001345	Non-Compact	17.7532	17.7532
CUBIERTA$_{A}$ LTA	D240	1798	TUBO70X70	0.048 = 0.034 + 0.006 + 0.008	Comb6	0.001	0.001	Non-Compact	11.3798	11.3798
CUBIERTA$_{A}$ LTA	D241	1799	TUBO70X70	0.151 = 0.09 + 0.022 + 0.04	Comb6	0.003	0.003	Non-Compact	-22.8891	-22.8891
CUBIERTA$_{A}$ LTA	D242	1800	TUBO70X70	0.081 = 0.053 + 0.023 + 0.005	Comb6	0.002	0.0001296	Non-Compact	18.1216	18.1216
CUBIERTA$_{A}$ LTA	D243	1832	TUBO70X70	0.047 = 0.034 + 0.006 + 0.007	Comb6	0.001	0.0003589	Non-Compact	11.3712	11.3712
CUBIERTA$_{A}$ LTA	D244	1833	TUBO70X70	0.139 = 0.088 + 0.022 + 0.029	Comb6	0.003	0.002	Non-Compact	-22.5004	-22.5004
CUBIERTA$_{A}$ LTA	D245	1834	TUBO70X70	0.09 = 0.051 + 0.023 + 0.016	Comb6	0.002	0.001	Non-Compact	17.2301	17.2301
CUBIERTA$_{A}$ LTA	D246	1840	TUBO70X70	0.048 = 0.034 + 0.006 + 0.007	Comb6	0.001	0.0003776	Non-Compact	11.609	11.609
CUBIERTA$_{A}$ LTA	D247	1841	TUBO70X70	0.143 = 0.09 + 0.022 + 0.03	Comb6	0.003	0.002	Non-Compact	-22.9552	-22.9552
CUBIERTA$_{A}$ LTA	D248	1842	TUBO70X70	0.092 = 0.052 + 0.024 + 0.016	Comb6	0.002	0.001	Non-Compact	17.6629	17.6629
CUBIERTA$_{A}$ LTA	D249	1875	TUBO70X70	0.049 = 0.031 + 0.006 + 0.012	Comb6	0.001	0.001	Non-Compact	10.6016	10.6016
CUBIERTA$_{A}$ LTA	D250	1876	TUBO70X70	0.157 = 0.087 + 0.021 + 0.049	Comb6	0.003	0.004	Non-Compact	-22.3617	-22.3617
CUBIERTA$_{A}$ LTA	D251	1877	TUBO70X70	0.114 = 0.061 + 0.024 + 0.029	Comb6	0.002	0.001	Non-Compact	20.4831	20.4831
CUBIERTA$_{A}$ LTA	D252	1883	TUBO70X70	0.045 = 0.033 + 0.006 + 0.006	Comb6	0.001	0.0002771	Non-Compact	11.0695	11.0695
CUBIERTA$_{A}$	D253	1884	TUBO70X70	0.128 = 0.089 + 0.021	Comb6	0.003	0.001	Non-	-22.8693	-22.8693

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA				+ 0.017				Compact		
CUBIERTA$_{A}$ LTA	D254	1885	TUBO70X70	0.084 = 0.058 + 0.018 + 0.009	Comb6	0.002	0.0002246	Non-Compact	19.5192	19.5192
CUBIERTA$_{A}$ LTA	D258	1454	TUBO200x100X4	0.201 = 0.043 + 0.068 + 0.036	Comb6	0.014	0.002	Slender	-26.3664	-26.3664
CUBIERTA$_{A}$ LTA	D259	1542	TUBO200x100X4	0.118 = 0.021 + 0.024 + 0.073	Comb6	0.001	0.017	Slender	-25.4245	-25.4245
CUBIERTA$_{A}$ LTA	D260	1543	TUBO200x100X4	0.115 = 0.02 + 0.033 + 0.062	Comb6	0.007	0.018	Slender	-24.1727	-24.1727
CUBIERTA$_{A}$ LTA	D261	1544	TUBO200x100X4	0.145 = 0.006 + 0.03 + 0.11	Comb6	0.007	0.024	Slender	-6.9259	-6.9259
CUBIERTA$_{A}$ LTA	D262	1545	TUBO200x100X4	0.18 = 0.008 + 0.025 + 0.092	Comb6	0.008	0.016	Slender	-5.1622	-5.1622
CUBIERTA$_{A}$ LTA	D263	1546	TUBO200x100X4	0.212 = 0.044 + 0.069 + 0.039	Comb6	0.014	0.002	Slender	-26.9249	-26.9249
CUBIERTA$_{A}$ LTA	D264	1589	TUBO200x100X4	0.123 = 0.021 + 0.024 + 0.077	Comb6	0.001	0.018	Slender	-25.9702	-25.9702
CUBIERTA$_{A}$ LTA	D265	1600	TUBO200x100X4	0.119 = 0.02 + 0.034 + 0.065	Comb6	0.007	0.019	Slender	-24.686	-24.686
CUBIERTA$_{A}$ LTA	D266	1853	TUBO200x100X4	0.151 = 0.006 + 0.031 + 0.115	Comb6	0.007	0.025	Slender	-7.1077	-7.1077
CUBIERTA$_{A}$ LTA	D267	1895	TUBO200x100X4	0.186 = 0.009 + 0.026 + 0.093	Comb6	0.008	0.016	Slender	-5.2946	-5.2946
CUBIERTA$_{A}$ LTA	D268	1896	TUBO200X100X6	0.249 = 0.008 + 0.24 + 0.001	Comb6	0.052	0.0001209	Non-Compact	-17.8685	-17.8685
CUBIERTA$_{A}$ LTA	D269	1897	TUBO200X100X6	0.275 = 0.004 + 0.269 + 0.001	Comb6	0.026	0.0004903	Non-Compact	-10.2852	-10.2852
CUBIERTA$_{A}$ LTA	D270	1898	TUBO200X100X6	0.271 = 0.001 + 0.27 + 0.001	Comb6	0.002	0.0003045	Non-Compact	-2.7967	-2.7967
CUBIERTA$_{A}$ LTA	D271	1899	TUBO200X100X6	0.263 = 0.001 + 0.261 + 4.553E-04	Comb6	0.028	0.0003692	Non-Compact	4.9077	4.9077
CUBIERTA$_{A}$ LTA	D272	1900	TUBO200X100X6	0.288 = 0.004 + 0.283 + 0.002	Comb6	0.055	0.0003456	Non-Compact	12.5265	12.5265
CUBIERTA$_{A}$ LTA	D273	1906	TUBO200X100X6	0.326 = 0.007 + 0.278 + 0.041	Comb6	0.056	0.014	Non-Compact	-16.3279	-16.3279
CUBIERTA$_{A}$ LTA	D274	1907	TUBO200X100X6	0.278 = 0.004 + 0.27 + 0.004	Comb6	0.028	0.003	Non-Compact	-8.8458	-8.8458
CUBIERTA$_{A}$ LTA	D275	1908	TUBO200X100X6	0.27 = 0.001 + 0.268 + 0.001	Comb6	0.001	0.001	Non-Compact	-1.3768	-1.3768
CUBIERTA$_{A}$ LTA	D276	1909	TUBO200X100X6	0.275 = 0.002 + 0.268 + 0.005	Comb6	0.029	0.004	Non-Compact	6.2939	6.2939
CUBIERTA$_{A}$ LTA	D277	1910	TUBO200X100X6	0.332 = 0.004 + 0.285 + 0.043	Comb6	0.056	0.017	Non-Compact	13.8257	13.8257
CUBIERTA$_{A}$ LTA	D278	1911	TUBO200X100X6	0.336 = 0.007 + 0.288 + 0.041	Comb6	0.057	0.014	Non-Compact	-16.7112	-16.7112
CUBIERTA$_{A}$ LTA	D279	1912	TUBO200X100X6	0.285 = 0.004 + 0.276 + 0.005	Comb6	0.029	0.003	Non-Compact	-9.0489	-9.0489
CUBIERTA$_{A}$ LTA	D280	1913	TUBO200X100X6	0.276 = 0.001 + 0.274 + 0.002	Comb6	0.001	0.001	Non-Compact	-1.3978	-1.3978
CUBIERTA$_{A}$ LTA	D281	1914	TUBO200X100X6	0.281 = 0.002 + 0.275 + 0.004	Comb6	0.029	0.005	Non-Compact	6.4548	6.4548
CUBIERTA$_{A}$ LTA	D282	1915	TUBO200X100X6	0.336 = 0.004 + 0.29 + 0.042	Comb6	0.058	0.016	Non-Compact	14.1656	14.1656
CUBIERTA$_{A}$ LTA	D283	1920	TUBO70X70	0.087 = 0.002 + 0.014 + 0.071	Comb6	0.001	0.001	Non-Compact	-0.5115	-0.5115
CUBIERTA$_{A}$ LTA	D284	1921	TUBO70X70	0.134 = 0.025 + 0.007 + 0.103	Comb6	0.001	0.004	Non-Compact	8.3865	8.3865
CUBIERTA$_{A}$ LTA	D285	1922	TUBO70X70	0.485 = 0.07 + 0.021 + 0.394	Comb6	0.003	0.023	Non-Compact	-18.6127	-18.6127
CUBIERTA$_{A}$ LTA	D286	1923	TUBO70X70	0.079 = 0.038 + 0.012 + 0.029	Comb6	0.002	0.002	Non-Compact	12.7457	12.7457
CUBIERTA$_{A}$ LTA	D287	1928	TUBO70X70	0.09 = 0.002 + 0.014 + 0.074	Comb6	0.001	0.001	Non-Compact	-0.5094	-0.5094
CUBIERTA$_{A}$ LTA	D288	1929	TUBO70X70	0.139 = 0.025 + 0.007 + 0.107	Comb6	0.001	0.004	Non-Compact	8.5362	8.5362
CUBIERTA$_{A}$ LTA	D289	1930	TUBO70X70	0.504 = 0.071 + 0.021 + 0.412	Comb6	0.003	0.024	Non-Compact	-18.9669	-18.9669
CUBIERTA$_{A}$	D290	1931	TUBO70X70	0.081 = 0.038 + 0.013	Comb6	0.002	0.002	Non-	12.9916	12.9916

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA				+ 0.03				Compact		
CUBIERTA$_{A}$ LTA	D309	1978	TUBO200X100X6	0.281 = 0.007 + 0.252 + 0.022	Comb6	0.055	0.009	Non-Compact	-16.4603	-16.4603
CUBIERTA$_{A}$ LTA	D310	1979	TUBO200X100X6	0.288 = 0.004 + 0.282 + 0.002	Comb6	0.027	0.003	Non-Compact	-8.9308	-8.9308
CUBIERTA$_{A}$ LTA	D311	1980	TUBO200X100X6	0.285 = 0.001 + 0.28 + 0.004	Comb6	0.001	0.002	Non-Compact	-1.4187	-1.4187
CUBIERTA$_{A}$ LTA	D312	1981	TUBO200X100X6	0.28 = 0.002 + 0.276 + 0.002	Comb6	0.029	0.005	Non-Compact	6.299	6.299
CUBIERTA$_{A}$ LTA	D313	1982	TUBO200X100X6	0.317 = 0.004 + 0.284 + 0.029	Comb6	0.057	0.013	Non-Compact	13.8842	13.8842
CUBIERTA$_{A}$ LTA	D314	1983	TUBO200X100X6	0.287 = 0.008 + 0.257 + 0.022	Comb6	0.056	0.009	Non-Compact	-16.9757	-16.9757
CUBIERTA$_{A}$ LTA	D315	1984	TUBO200X100X6	0.296 = 0.004 + 0.29 + 0.002	Comb6	0.028	0.003	Non-Compact	-9.2746	-9.2746
CUBIERTA$_{A}$ LTA	D316	1985	TUBO200X100X6	0.293 = 0.001 + 0.288 + 0.004	Comb6	0.002	0.002	Non-Compact	-1.5885	-1.5885
CUBIERTA$_{A}$ LTA	D317	1986	TUBO200X100X6	0.286 = 0.002 + 0.283 + 0.002	Comb6	0.03	0.005	Non-Compact	6.3033	6.3033
CUBIERTA$_{A}$ LTA	D318	1987	TUBO200X100X6	0.325 = 0.004 + 0.293 + 0.028	Comb6	0.058	0.013	Non-Compact	14.0595	14.0595
CUBIERTA$_{A}$ LTA	D319	1992	TUBO70X70	0.088 = 0.003 + 0.014 + 0.07	Comb6	0.001	0.0003861	Non-Compact	-0.9832	-0.9832
CUBIERTA$_{A}$ LTA	D320	1993	TUBO70X70	0.136 = 0.026 + 0.007 + 0.104	Comb6	0.001	0.004	Non-Compact	8.6273	8.6273
CUBIERTA$_{A}$ LTA	D321	1994	TUBO70X70	0.49 = 0.071 + 0.021 + 0.398	Comb6	0.003	0.024	Non-Compact	-18.8777	-18.8777
CUBIERTA$_{A}$ LTA	D322	1995	TUBO70X70	0.08 = 0.038 + 0.013 + 0.029	Comb6	0.002	0.002	Non-Compact	12.8889	12.8889
CUBIERTA$_{A}$ LTA	D323	2000	TUBO70X70	0.091 = 0.003 + 0.014 + 0.073	Comb6	0.001	0.0003883	Non-Compact	-1.0123	-1.0123
CUBIERTA$_{A}$ LTA	D324	2001	TUBO70X70	0.141 = 0.026 + 0.007 + 0.108	Comb6	0.001	0.004	Non-Compact	8.7921	8.7921
CUBIERTA$_{A}$ LTA	D325	2002	TUBO70X70	0.509 = 0.072 + 0.022 + 0.415	Comb6	0.003	0.025	Non-Compact	-19.2402	-19.2402
CUBIERTA$_{A}$ LTA	D326	2003	TUBO70X70	0.082 = 0.039 + 0.013 + 0.03	Comb6	0.002	0.002	Non-Compact	13.1311	13.1311
CUBIERTA$_{A}$ LTA	D327	2020	TUBO200X100X6	0.301 = 0.008 + 0.271 + 0.023	Comb6	0.055	0.009	Non-Compact	-16.9622	-16.9622
CUBIERTA$_{A}$ LTA	D328	2021	TUBO200X100X6	0.276 = 0.004 + 0.27 + 0.002	Comb6	0.028	0.003	Non-Compact	-9.4176	-9.4176
CUBIERTA$_{A}$ LTA	D329	2022	TUBO200X100X6	0.273 = 0.001 + 0.268 + 0.004	Comb6	0.001	0.002	Non-Compact	-1.8893	-1.8893
CUBIERTA$_{A}$ LTA	D330	2023	TUBO200X100X6	0.271 = 0.002 + 0.267 + 0.002	Comb6	0.029	0.005	Non-Compact	5.8449	5.8449
CUBIERTA$_{A}$ LTA	D331	2024	TUBO200X100X6	0.294 = 0.007 + 0.266 + 0.021	Comb6	0.056	0.009	Non-Compact	-16.8557	-16.8557
CUBIERTA$_{A}$ LTA	D332	2025	TUBO200X100X6	0.29 = 0.004 + 0.284 + 0.002	Comb6	0.028	0.003	Non-Compact	-9.1581	-9.1581
CUBIERTA$_{A}$ LTA	D333	2026	TUBO200X100X6	0.286 = 0.001 + 0.281 + 0.004	Comb6	0.001	0.002	Non-Compact	-1.4757	-1.4757
CUBIERTA$_{A}$ LTA	D334	2027	TUBO200X100X6	0.281 = 0.002 + 0.278 + 0.001	Comb6	0.03	0.005	Non-Compact	6.413	6.413
CUBIERTA$_{A}$ LTA	D335	2028	TUBO200X100X6	0.324 = 0.004 + 0.295 + 0.025	Comb6	0.058	0.012	Non-Compact	14.1685	14.1685
CUBIERTA$_{A}$ LTA	D336	2033	TUBO70X70	0.087 = 0.003 + 0.014 + 0.07	Comb6	0.001	0.0004284	Non-Compact	-0.9725	-0.9725
CUBIERTA$_{A}$ LTA	D337	2034	TUBO70X70	0.136 = 0.025 + 0.007 + 0.104	Comb6	0.001	0.004	Non-Compact	8.5771	8.5771
CUBIERTA$_{A}$ LTA	D338	2035	TUBO70X70	0.487 = 0.071 + 0.021 + 0.395	Comb6	0.003	0.024	Non-Compact	-18.8042	-18.8042
CUBIERTA$_{A}$ LTA	D339	2036	TUBO70X70	0.08 = 0.038 + 0.012 + 0.029	Comb6	0.002	0.002	Non-Compact	12.8076	12.8076
CUBIERTA$_{A}$ LTA	D340	2041	TUBO70X70	0.09 = 0.003 + 0.014 + 0.073	Comb6	0.001	0.0003688	Non-Compact	-1.0387	-1.0387
CUBIERTA$_{A}$ LTA	D341	2042	TUBO70X70	0.141 = 0.026 + 0.007 + 0.108	Comb6	0.001	0.004	Non-Compact	8.7862	8.7862
CUBIERTA$_{A}$	D342	2043	TUBO70X70	0.508 = 0.072 + 0.022	Comb6	0.003	0.025	Non-	-19.2229	-19.2229

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA				+ 0.414				Compact		
CUBIERTA_A LTA	D343	2044	TUBO70X70	0.082 = 0.039 + 0.013 + 0.03	Comb6	0.002	0.002	Non-Compact	13.1022	13.1022
CUBIERTA_A LTA	D344	2061	TUBO200X100X6	0.317 = 0.004 + 0.287 + 0.026	Comb6	0.056	0.012	Non-Compact	13.4484	13.4484
CUBIERTA_A LTA	D345	2062	TUBO200X100X6	0.28 = 0.007 + 0.256 + 0.016	Comb6	0.055	0.007	Non-Compact	-16.5158	-16.5158
CUBIERTA_A LTA	D346	2063	TUBO200X100X6	0.284 = 0.004 + 0.279 + 0.001	Comb6	0.027	0.003	Non-Compact	-8.9765	-8.9765
CUBIERTA_A LTA	D347	2064	TUBO200X100X6	0.283 = 0.001 + 0.277 + 0.005	Comb6	0.001	0.002	Non-Compact	-1.4554	-1.4554
CUBIERTA_A LTA	D348	2065	TUBO200X100X6	0.277 = 0.002 + 0.274 + 0.001	Comb6	0.029	0.005	Non-Compact	6.2716	6.2716
CUBIERTA_A LTA	D349	2066	TUBO200X100X6	0.286 = 0.007 + 0.262 + 0.016	Comb6	0.056	0.007	Non-Compact	-16.9361	-16.9361
CUBIERTA_A LTA	D350	2067	TUBO200X100X6	0.292 = 0.004 + 0.287 + 0.001	Comb6	0.028	0.003	Non-Compact	-9.2275	-9.2275
CUBIERTA_A LTA	D351	2068	TUBO200X100X6	0.29 = 0.001 + 0.285 + 0.005	Comb6	0.001	0.002	Non-Compact	-1.5347	-1.5347
CUBIERTA_A LTA	D352	2069	TUBO200X100X6	0.284 = 0.002 + 0.281 + 0.001	Comb6	0.03	0.006	Non-Compact	6.3638	6.3638
CUBIERTA_A LTA	D353	2070	TUBO200X100X6	0.318 = 0.004 + 0.292 + 0.022	Comb6	0.058	0.011	Non-Compact	14.1278	14.1278
CUBIERTA_A LTA	D354	2075	TUBO70X70	0.087 = 0.003 + 0.014 + 0.07	Comb6	0.001	0.0003174	Non-Compact	-0.9226	-0.9226
CUBIERTA_A LTA	D355	2076	TUBO70X70	0.136 = 0.025 + 0.007 + 0.104	Comb6	0.001	0.004	Non-Compact	8.5947	8.5947
CUBIERTA_A LTA	D356	2077	TUBO70X70	0.489 = 0.071 + 0.021 + 0.397	Comb6	0.003	0.024	Non-Compact	-18.8463	-18.8463
CUBIERTA_A LTA	D357	2078	TUBO70X70	0.08 = 0.038 + 0.013 + 0.029	Comb6	0.002	0.002	Non-Compact	12.8836	12.8836
CUBIERTA_A LTA	D358	2083	TUBO70X70	0.09 = 0.003 + 0.014 + 0.073	Comb6	0.001	0.0003194	Non-Compact	-0.9375	-0.9375
CUBIERTA_A LTA	D359	2084	TUBO70X70	0.141 = 0.026 + 0.007 + 0.108	Comb6	0.001	0.004	Non-Compact	8.7558	8.7558
CUBIERTA_A LTA	D360	2085	TUBO70X70	0.508 = 0.072 + 0.022 + 0.414	Comb6	0.003	0.025	Non-Compact	-19.2089	-19.2089
CUBIERTA_A LTA	D361	2086	TUBO70X70	0.082 = 0.039 + 0.013 + 0.03	Comb6	0.002	0.002	Non-Compact	13.1314	13.1314
CUBIERTA_A LTA	D362	2103	TUBO200X100X6	0.312 = 0.004 + 0.285 + 0.023	Comb6	0.057	0.012	Non-Compact	13.8674	13.8674
CUBIERTA_A LTA	D363	2104	TUBO200X100X6	0.277 = 0.007 + 0.256 + 0.014	Comb6	0.055	0.007	Non-Compact	-16.2239	-16.2239
CUBIERTA_A LTA	D364	2105	TUBO200X100X6	0.285 = 0.004 + 0.281 + 4.27E-04	Comb6	0.027	0.003	Non-Compact	-8.6685	-8.6685
CUBIERTA_A LTA	D365	2106	TUBO200X100X6	0.285 = 0.001 + 0.279 + 0.005	Comb6	0.001	0.002	Non-Compact	-1.1323	-1.1323
CUBIERTA_A LTA	D366	2107	TUBO200X100X6	0.279 = 0.002 + 0.277 + 0.001	Comb6	0.029	0.005	Non-Compact	6.6096	6.6096
CUBIERTA_A LTA	D367	2108	TUBO200X100X6	0.276 = 0.008 + 0.257 + 0.011	Comb6	0.056	0.006	Non-Compact	-17.5158	-17.5158
CUBIERTA_A LTA	D368	2109	TUBO200X100X6	0.294 = 0.004 + 0.289 + 0.001	Comb6	0.028	0.003	Non-Compact	-9.8221	-9.8221
CUBIERTA_A LTA	D369	2110	TUBO200X100X6	0.293 = 0.001 + 0.287 + 0.005	Comb6	0.002	0.002	Non-Compact	-2.1439	-2.1439
CUBIERTA_A LTA	D370	2111	TUBO200X100X6	0.283 = 0.002 + 0.282 + 2.625E-04	Comb6	0.03	0.006	Non-Compact	5.7405	5.7405
CUBIERTA_A LTA	D371	2112	TUBO200X100X6	0.318 = 0.004 + 0.296 + 0.018	Comb6	0.059	0.01	Non-Compact	13.4898	13.4898
CUBIERTA_A LTA	D372	2117	TUBO70X70	0.087 = 0.003 + 0.014 + 0.07	Comb6	0.001	0.0003065	Non-Compact	-0.975	-0.975
CUBIERTA_A LTA	D373	2118	TUBO70X70	0.137 = 0.026 + 0.007 + 0.104	Comb6	0.001	0.004	Non-Compact	8.6268	8.6268
CUBIERTA_A LTA	D374	2119	TUBO70X70	0.49 = 0.071 + 0.021 + 0.398	Comb6	0.003	0.024	Non-Compact	-18.8848	-18.8848
CUBIERTA_A LTA	D375	2120	TUBO70X70	0.08 = 0.038 + 0.013 + 0.029	Comb6	0.002	0.002	Non-Compact	12.8972	12.8972
CUBIERTA_A	D376	2125	TUBO70X70	0.09 = 0.003 + 0.014	Comb6	0.001	0.0002634	Non-	-0.9952	-0.9952

Story	Label	UniqueName	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End kN	Conn. P J-End kN
LTA				+ 0.072				Compact		
CUBIERTA$_{A}$ LTA	D377	2126	TUBO70X70	0.141 = 0.026 + 0.007 + 0.108	Comb6	0.001	0.004	Non-Compact	8.7921	8.7921
CUBIERTA$_{A}$ LTA	D378	2127	TUBO70X70	0.508 = 0.072 + 0.022 + 0.414	Comb6	0.003	0.025	Non-Compact	-19.2354	-19.2354
CUBIERTA$_{A}$ LTA	D379	2128	TUBO70X70	0.081 = 0.039 + 0.013 + 0.029	Comb6	0.002	0.002	Non-Compact	13.1364	13.1364
CUBIERTA$_{A}$ LTA	D380	2145	TUBO200X100X6	0.307 = 0.004 + 0.281 + 0.022	Comb6	0.057	0.011	Non-Compact	14.2205	14.2205