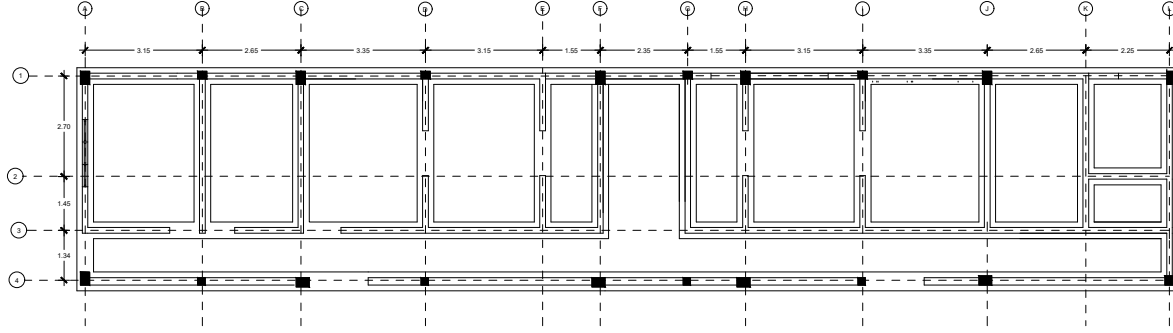
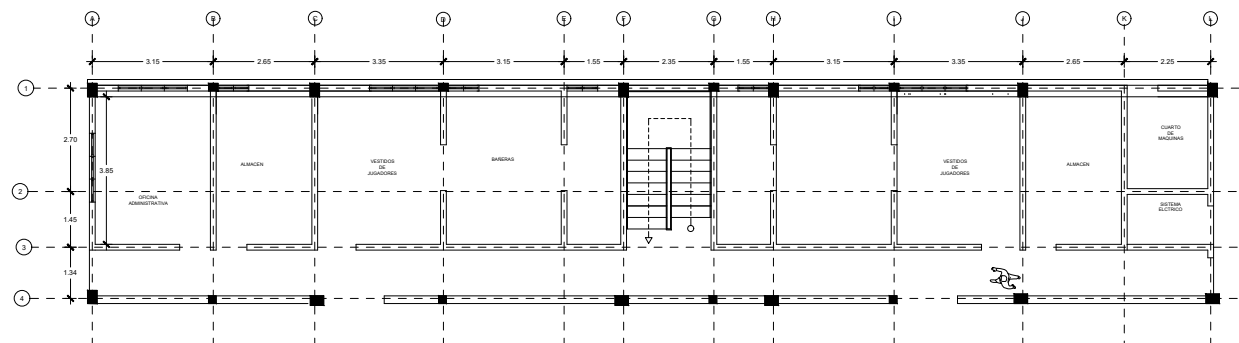


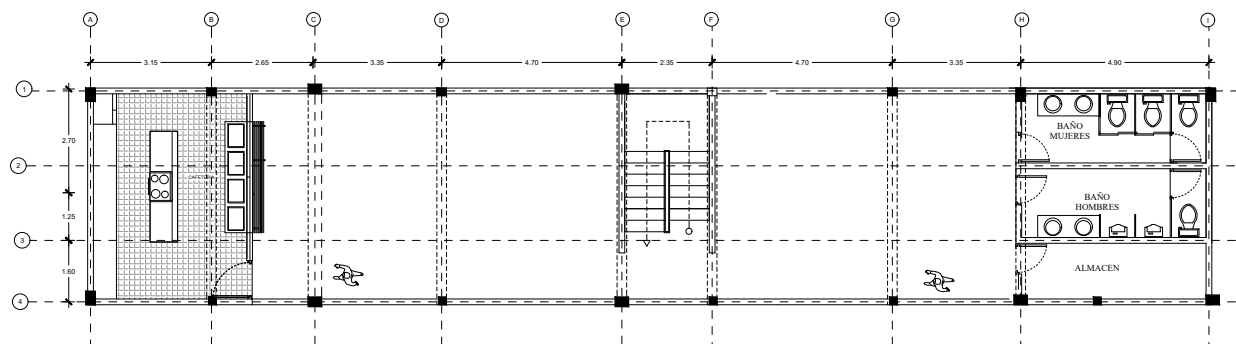


PLANTA CIMENTACION

PROYECTO: CANCHAS DE BASKETBALL AZUA		PROPIETARIO: AYUNTAMIENTO MUNICIPAL DE AZUA		TITULO DE LA OBRA: PLANTA ARQUITECTONICA		A 00 03		00	
DIRECCION: MUNICIPIO DE AZUA, AZUA, R.D.		DISEÑO Y ELABORACION: INGENIERO CONSTRUCCION		FECHA: SEPTIEMBRE 16, 2024		ESCALA: 1 - 100		CANTIDAD:	

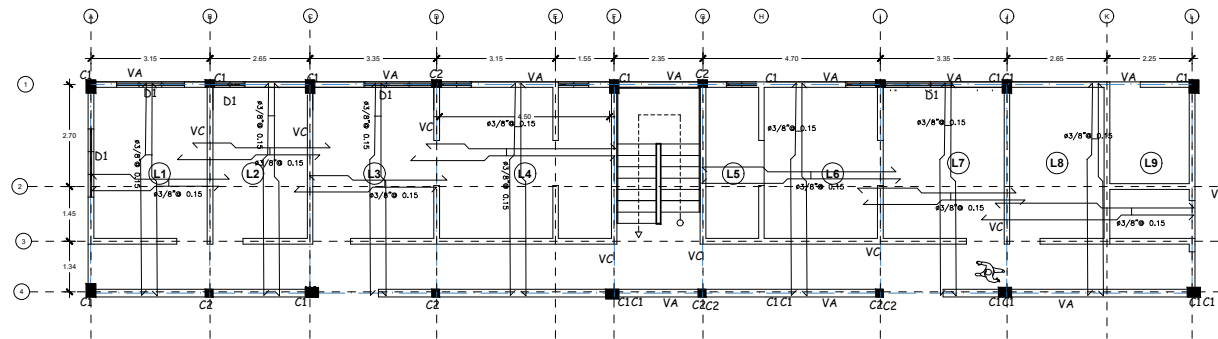


PLANTA DIMENSIONADA

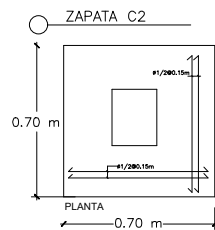
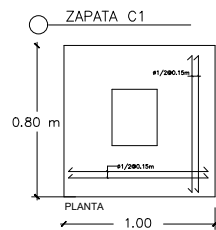
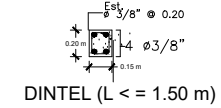
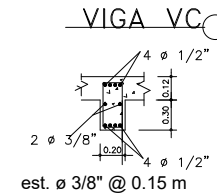
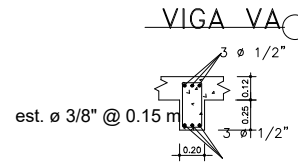
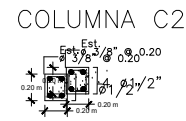
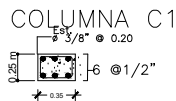


PLANTA DIMENSIONADA
SEGUNDO NIVEL

PROYECTO: CANCHA DE BASKETBALL AZUA	PROPIETARIO: AYUNTAMIENTO MUNICIPAL DE AZUA	DISEÑO ARQUITECTÓNICO: <
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PLANTA ESTRUCTURAL 1ER NIVEL

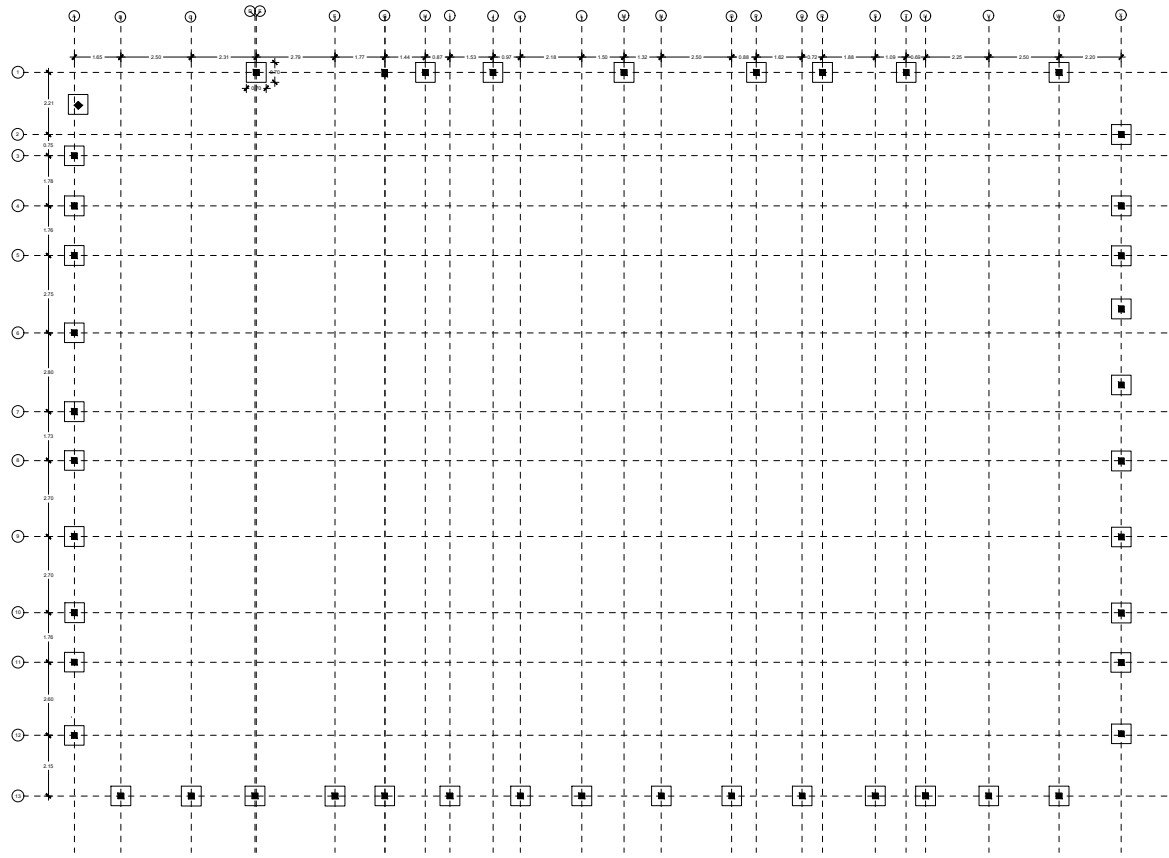


NOTAS:

- 1_ ESPESOR GRAL. LOSAS H=0.15 MTS.
- 2_ TODO ACERO EN LOSAS SERA: ϕ 3/8" (SALVO INDICACIONES CONTARIAS)
- 3_ CALIDAD DE LOS MATERIALES:
 $F_c = 210 \text{ kg/Cm}^2$
 $F_y = 4,200 \text{ kg/Cm}^2$

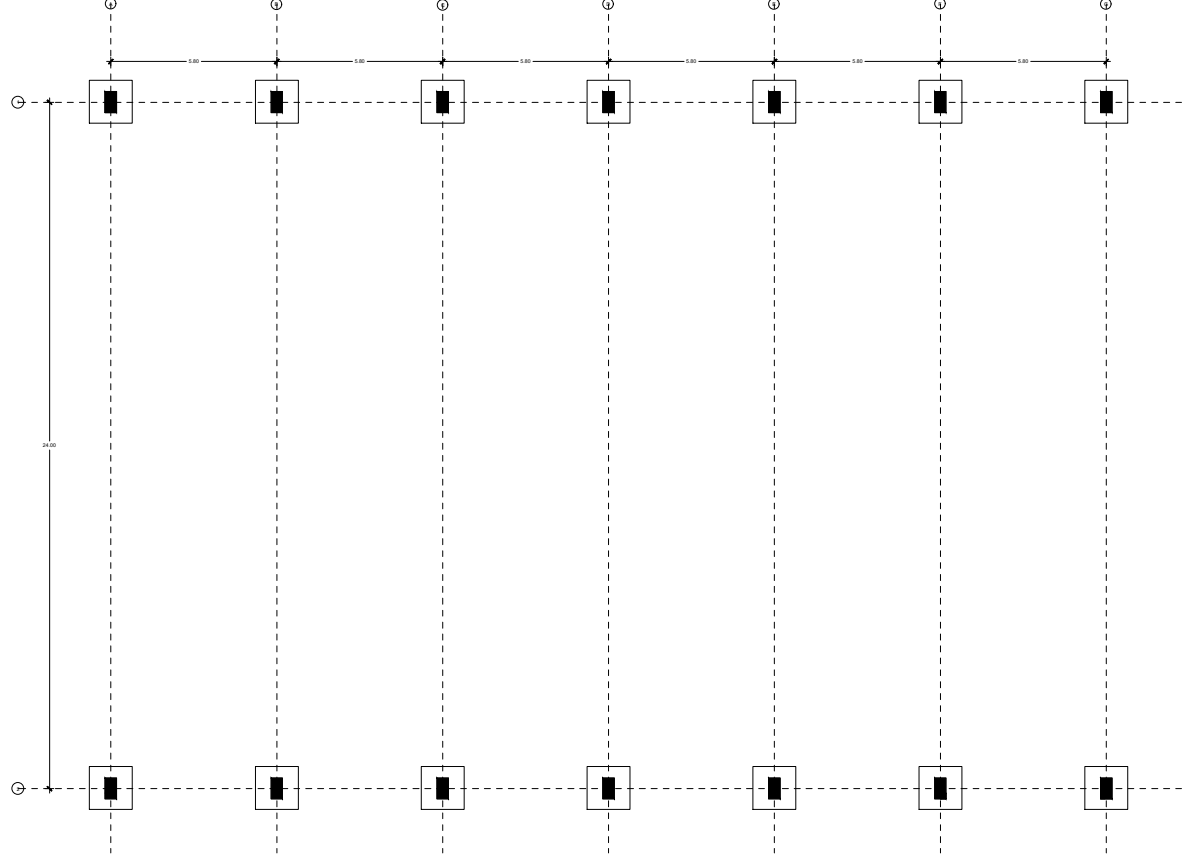
PROYECTO:	CANCHA DE BASKETBALL MUNICIPAL DE AZUA	DIRECCION:	MUNICIPIO DE AZUA, R.D.	PROPIETARIO:	AYUNTAMIENTO MUNICIPAL DE AZUA	DISEÑO ARQUITECTONICO				DISEÑO ESTRUCTURAL		TITULO DE LA HOJA:		Nº 1100A
						DISEÑO ARQUITECTONICO		DISEÑO ESTRUCTURAL		TITULO DE LA HOJA:				
						DISEÑO ARQUITECTONICO		DISEÑO ESTRUCTURAL		TITULO DE LA HOJA:		Nº 1100A		
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						DISEÑO ARQUITECTONICO		DISEÑO ESTRUCTURAL</						

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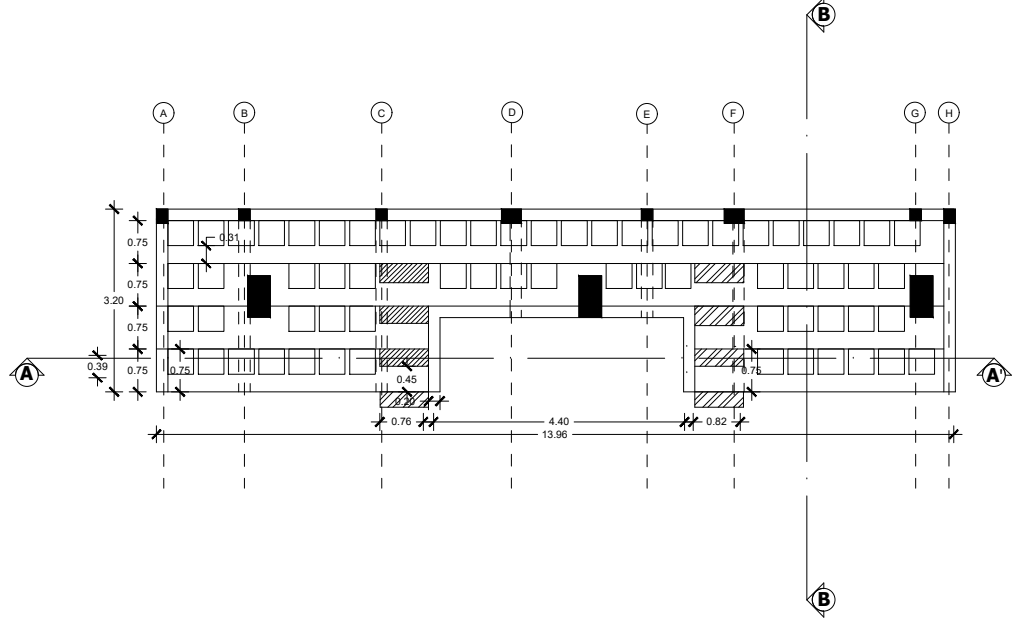
PLANTA DE CIMENTACION DE
C20X20

PROYECTO: CANCHA DE BASKETBALL AZUA	DIRECCION: MUNICIPIO DE AZUA, AZUA, R.D.	PROPIETARIO: AYUNTAMIENTO MUNICIPAL DE AZUA	DISEÑO ARQUITECTONICO: 	DISEÑO CIVIL: 	DISEÑO DE ESTRUCTURA: 	DISEÑO ELECTRONICO: 	DISEÑO SANITARIO: 	TITULO DE LA HOJA		FECHA
								PLANTA ARQUITECTONICA		
			DISEÑO MECANICO: 		COLABORACION: 		ESCALA: 1-100		A 00	00
							FECHA: SEPTIEMBRE 16, 2024		03	00
										00



PLANTA DE CIMENTACION DE
C40X75

PROYECTO: CANCHA DE BASKETBALL AZUA		PROYECTADO: AYUNTAMIENTO MUNICIPAL DE AZUA		DIRECCION: MUNICIPIO DE AZUA, AZUA, R.D.		TITULO DE LA HOJA: PLANTA ARQUITECTONICA		FECHA: 03/09/2024		Escala: 1:100		FOLIO: 00/00		CART. AZUA	
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PROYECTO:
CANCHA DE BASKETBALL
AZUA

PROPIETARIO:
AYUNTAMIENTO
MUNICIPAL DE
AZUA

DIRECCION:
MUNICIPIO DE AZUA, AZUA, R.D.

DISEÑO ARQUITECTONICO
AUTOR: []
DISEÑO ELECTRICO: []
DISEÑO SANITARIO: []

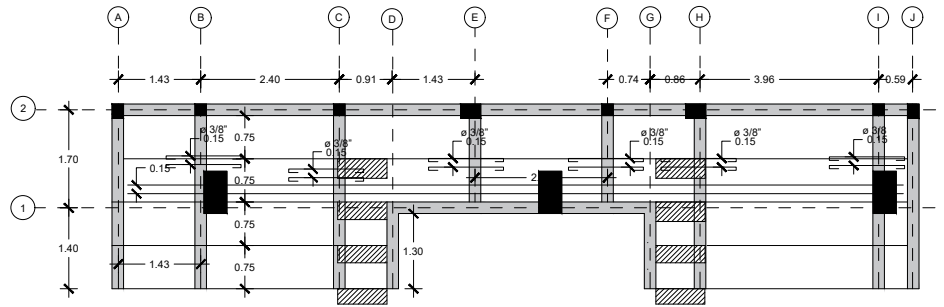
OBRA CIVIL
AUTOR: []
DISEÑO SANITARIO: []

DISEÑO ESTRUCTURAL
AUTOR: []
COLABORACION: []

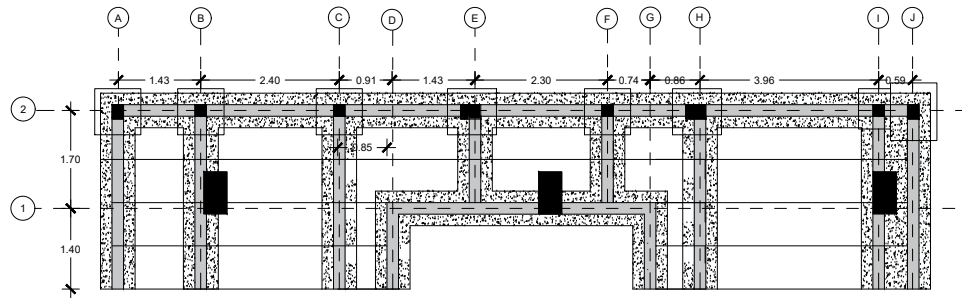
TITULO DE LA OBRA
PLANTA ARQUITECTONICA
FECHA: SEPTIEMBRE 16, 2024
ESCALA: 1:100

A 03
00
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Del. P.O.A.

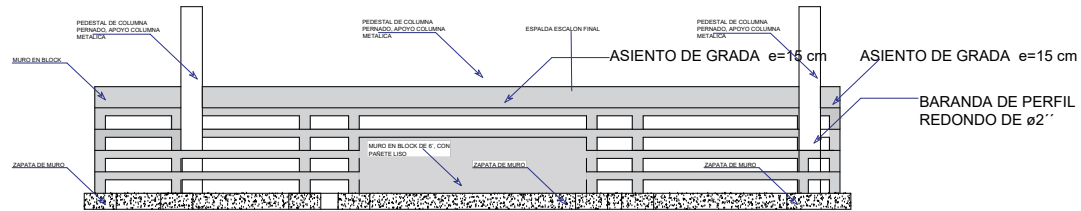


NOTAS:
 1) ESPESOR GENERAL DE LOSAS H = 0.15 m
 2) ACERO A USAR EN LOSA : $\phi 3/8"$

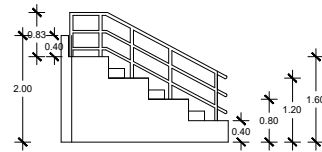


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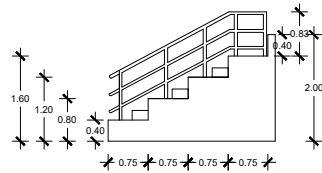
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									PLANTA ARQUITECTONICA		
										FECHA	ESCALA
										SEP 15/09/2024	1 - 100
										DATE LOCAL	



VISTA FRONTAL

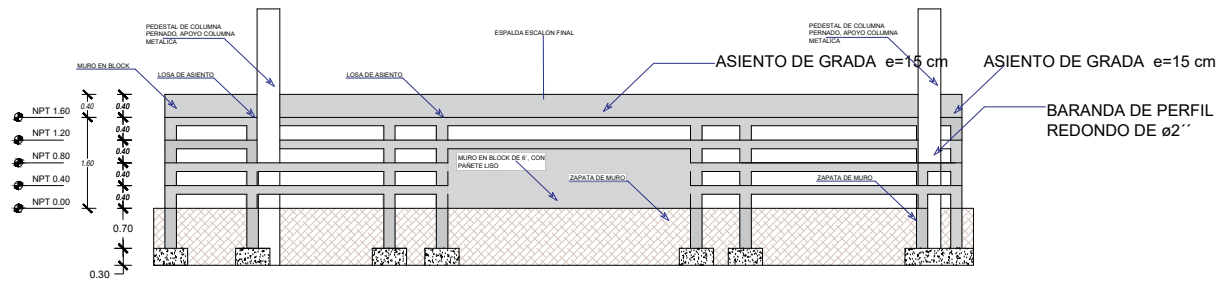


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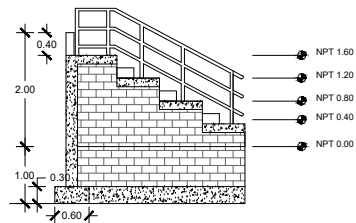


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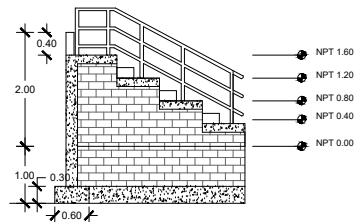
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DIRECCION: MUNICIPIO DE AZUA, AZUA, R.D.		FECHA: SEPTIEMBRE 10, 2024		ESCALA: 1 - 100		COLUMNACION:		COLUMNACION:		COLUMNACION:		COLUMNACION:	



CORTE A-A

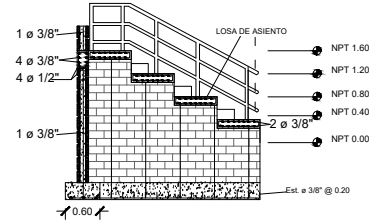
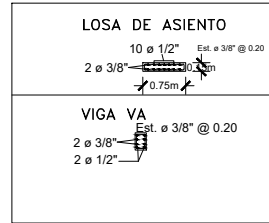


CORTE B-B

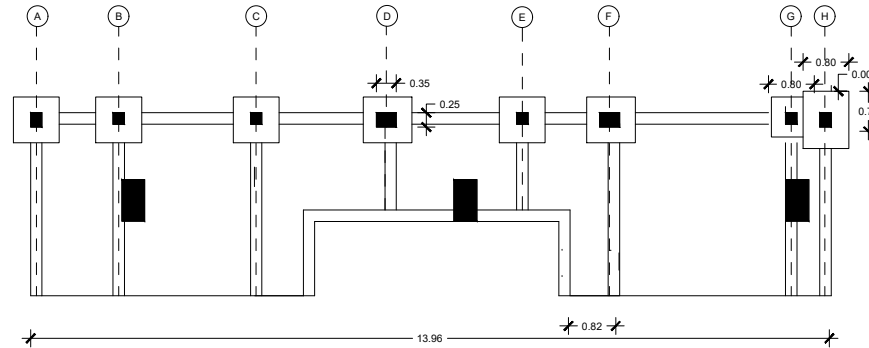


CORTE B-B

PROYECTO: CANCHA DE BASKETBALL AZUA		PROPIETARIO: AYUNTAMIENTO MUNICIPAL DE AZUA		DIRECCION: MUNICIPIO DE AZUA R.D.	
SERENOS ARQUITECTONICO		SERENOS CIVIL		SERENOS ESTRUCTURAL	
SERENOS ELECTRICO		SERENOS SANITARIO		SERENOS COLOCACION	
TITULO DE LA HOJA		PLANTA ARQUITECTONICA		FECHA: SEPTIEMBRE 16, 2024	
A 00		03		1:100	
00		00		COST: N/A	

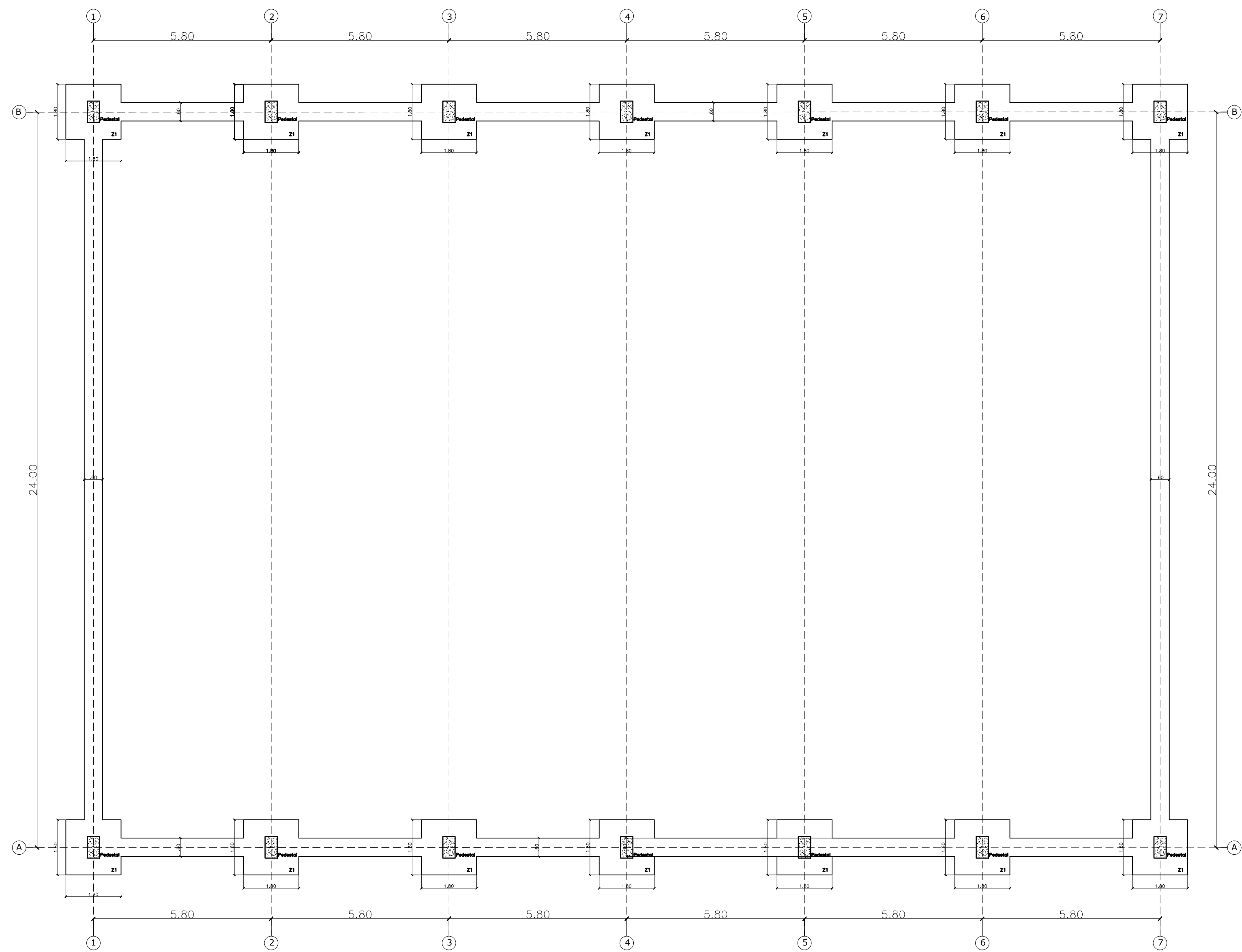


SECCION TRANSVERSAL DEL ACERO EN GRADERIA

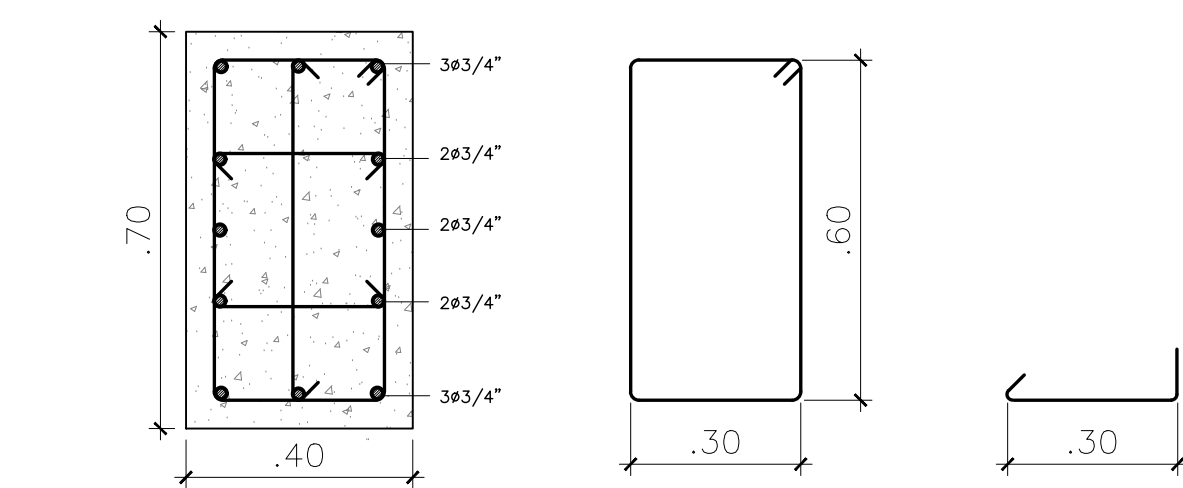


PLANTA DE CIMENTACION DE COLUMNAS

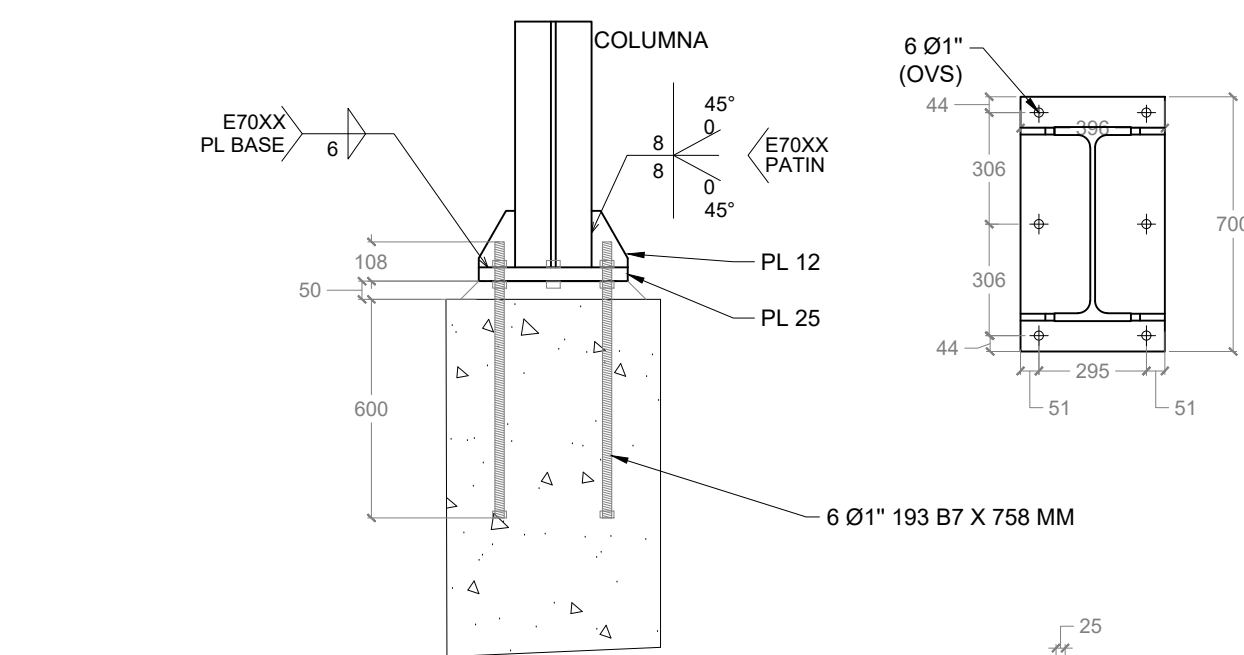
PROYECTO: CANCHA DE BASKETBALL AZUA		PROPIETARIO: AYUNTAMIENTO MUNICIPAL DE AZUA		DIRECCION: MUNICIPIO DE AZUA, AZUA, R.D.	
DISEÑO ARQUITECTONICO: DISEÑO ELECTRICO		OBRA CIVIL: BARRIO SANT' ANSO		DISEÑO ESTRUCTURAL: COLABORACION	
TITULO DE LA HOJA: PLANTA ARQUITECTONICA		FECHA: SEPTIEMBRE 10, 2024		ESCALA: 1:100	
HOJA: 00		HOJA: 03		FECHA: 00	



1 PLANTA DE FUNDACIONES
CANCHA MUNICIPAL AZUA
ESC. 1:100



4 DETALLE DE PEDESTAL
CANCHA MUNICIPAL AZUA
ESC. 1:25



5 DETALLE DE PLACA BASE Y PERNOS
CANCHA MUNICIPAL AZUA
ESC. 1:20

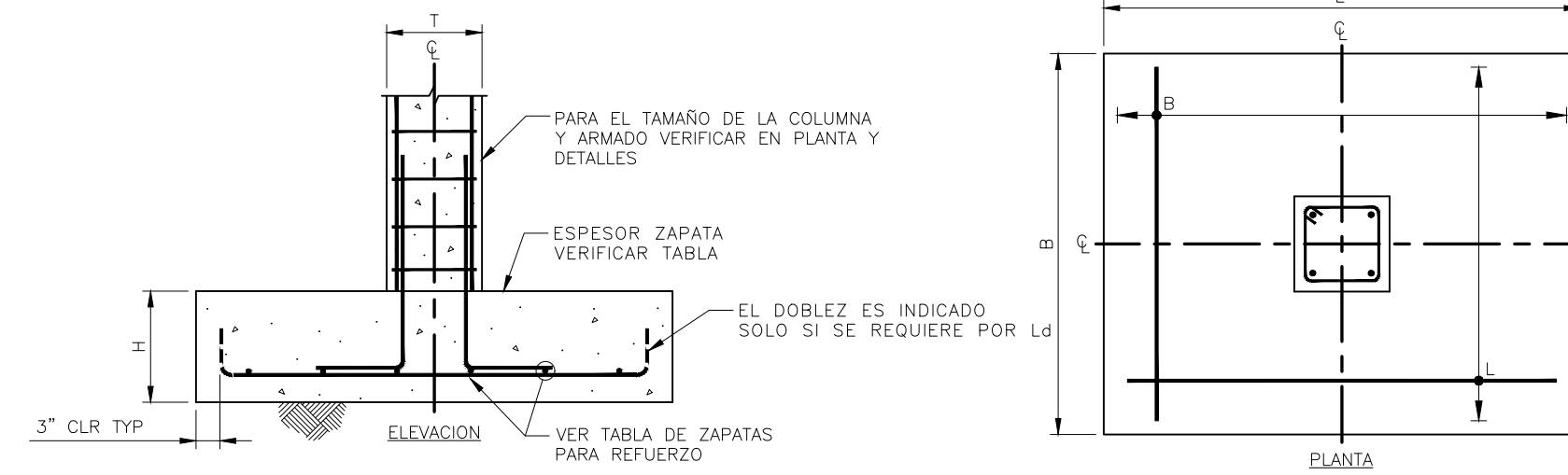
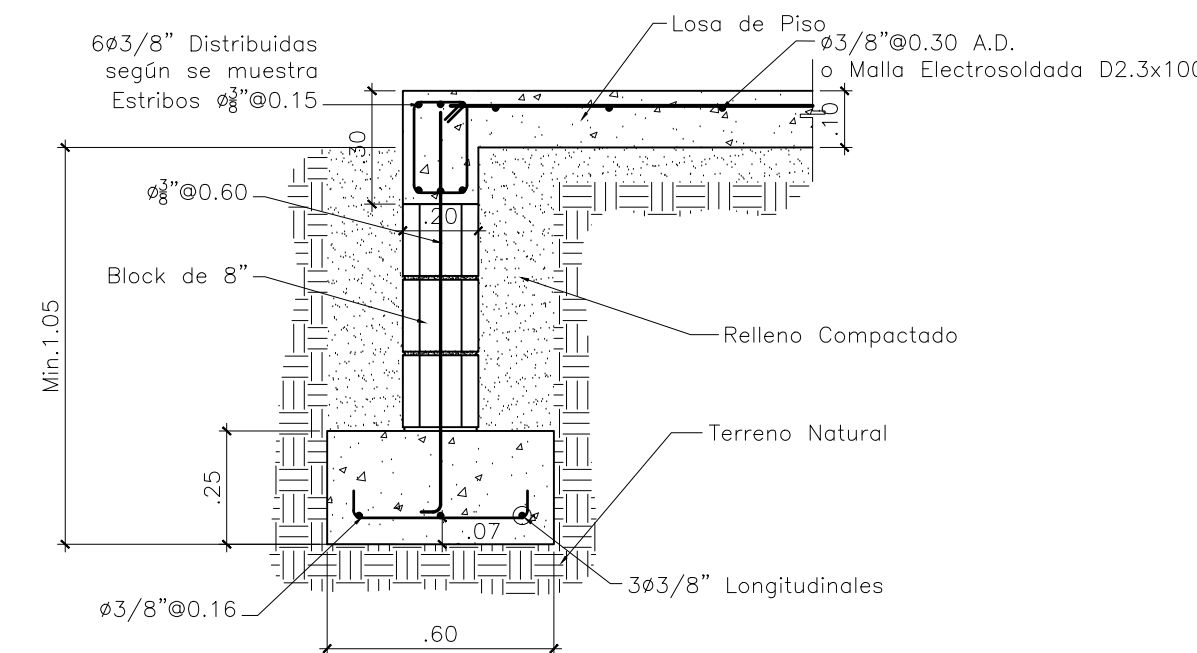
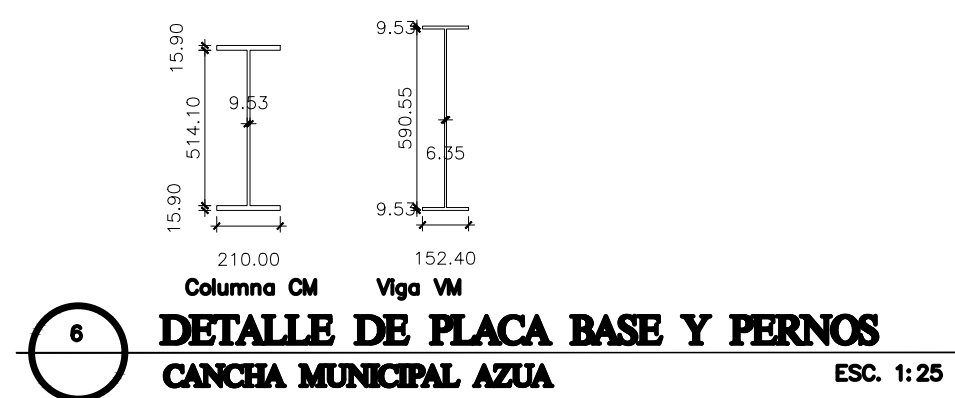


TABLA DE APLICACION ZAPATAS DE COLUMNAS									
DIMENSIONES (Mts.)				ARMADURAS (INFERIOR)			ARMADURAS (SUPERIOR)		
ZAPATA	B	L	H	Hf	DIRECCION Asx	DIRECCION Asy	DIRECCION Asx	DIRECCION Asy	
Z1	1.80	1.80	0.45	1.25	Ø1/2"Ø0.13	Ø1/2"Ø0.13	-----	-----	

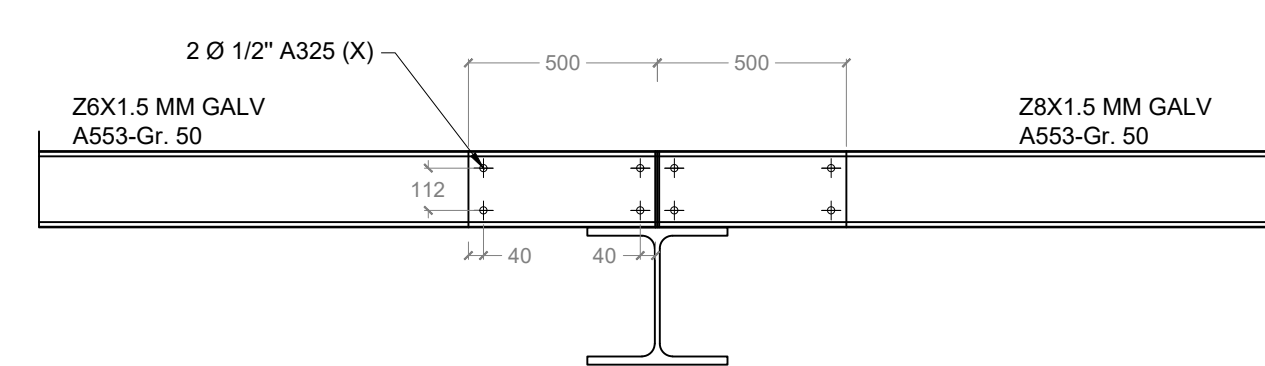
2 TABLA DE APLICACION DE ZAPATAS
CANCHA MUNICIPAL AZUA
ESC. 1:25



3 TABLA DE APLICACION DE ZAPATAS
CANCHA MUNICIPAL AZUA
ESC. 1:25



6 DETALLE DE PLACA BASE Y PERNOS
CANCHA MUNICIPAL AZUA
ESC. 1:25



7 DETALLE DE UNION DE CORREAS
CANCHA MUNICIPAL AZUA
ESC. 1:25

No. HOJA: 00
01
00

E 01

TITULO DE LA HOJA:
PLANTA ESTRUCTURAL
DE FUNDACIONES

FECHA:
OCTUBRE 2, 2024

ESCALA:
1 - 100

DISEÑO ESTRUCTURAL:
PROYECTO ESTRUCTURAL

COLABORACION:

OBRA CIVIL:
PROYECTO OBRA CIVIL

DISEÑO SANITARIO:

DISEÑO ARQUITECTONICO:
PROYECTO ARQUITECTONICO

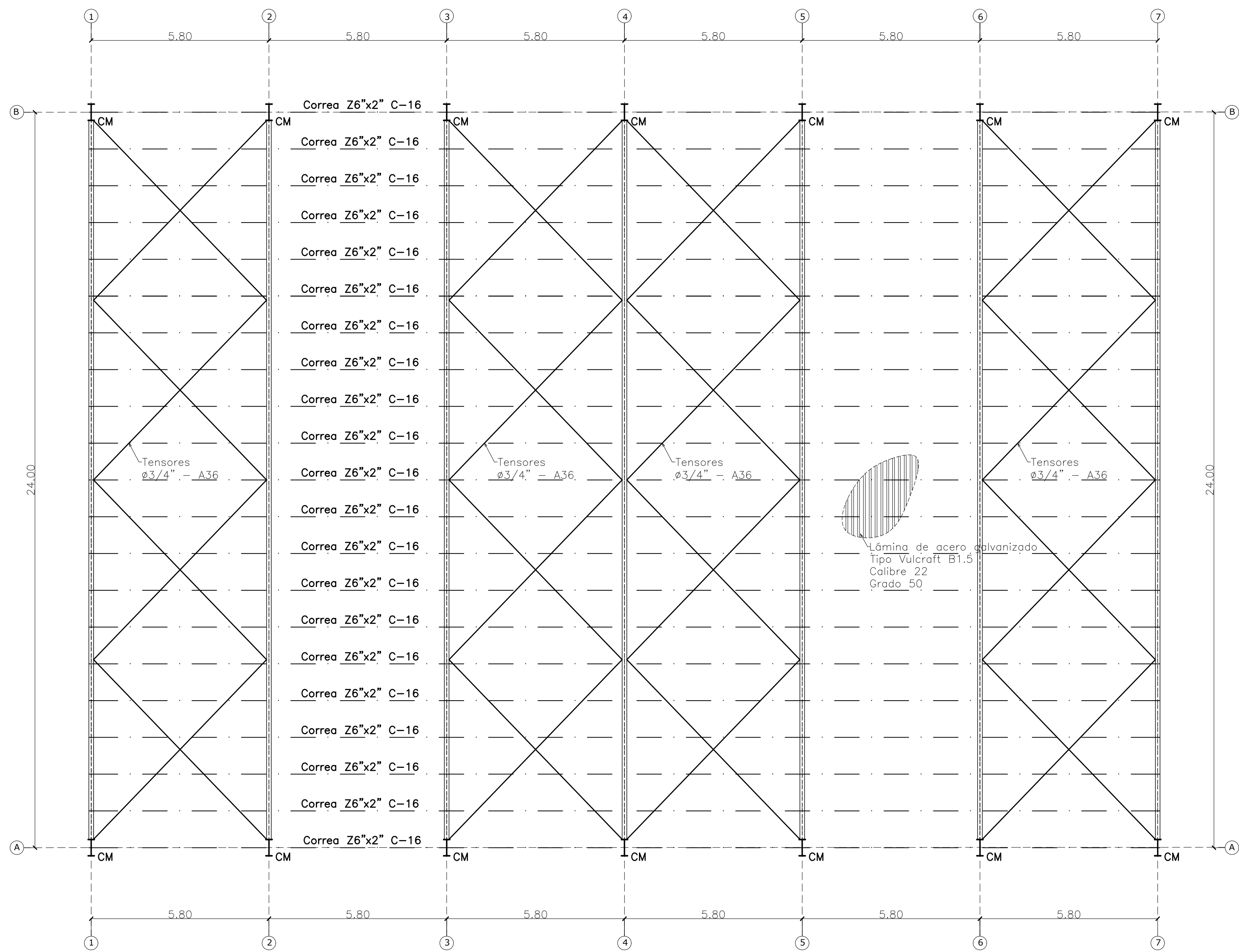
DISEÑO ELECTRICO:

PROPIETARIO:
AYUNTAMIENTO
MUNICIPAL DE
AZUA

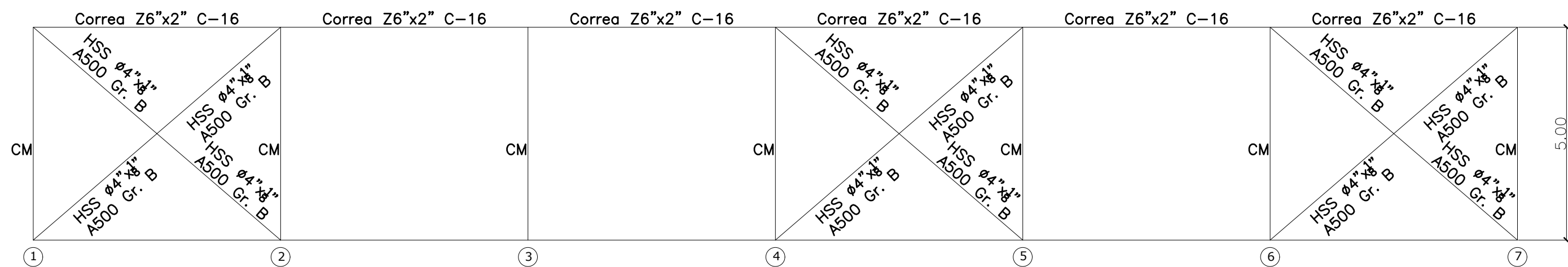
PROYECTO:
CANCHA DE BASKETBALL
AZUA

DIRECCION:
MUNICIPIO DE AZUA, AZUA, R.D.

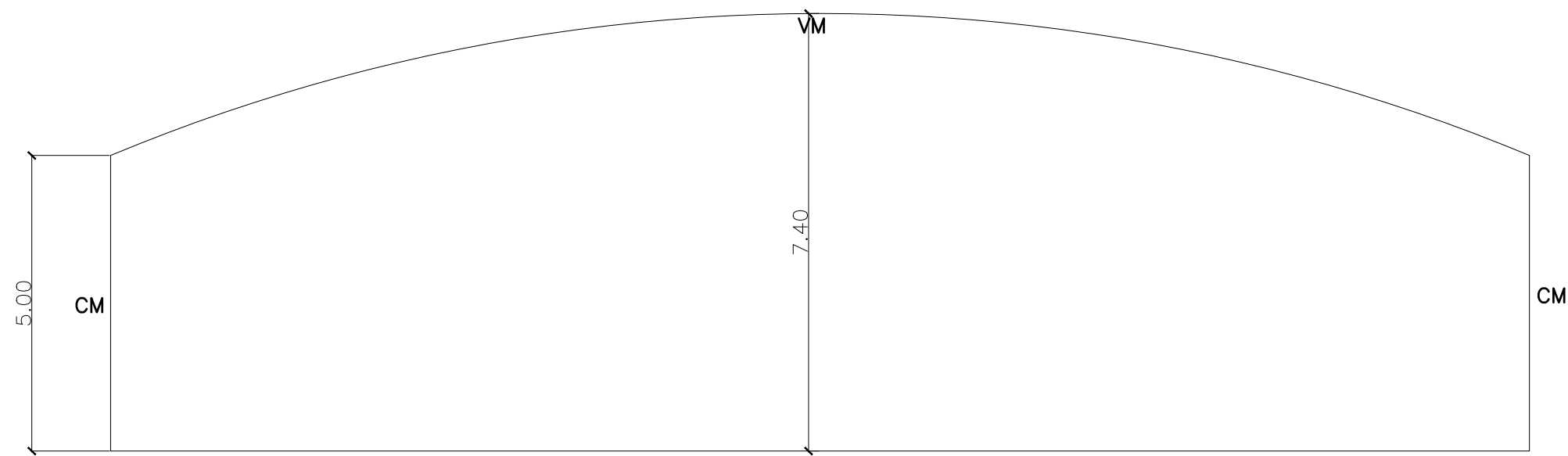
ING. RAFAEL ANTONIO DIAZ FERNANDEZ
PROYECTO ESTRUCTURAL



1 PLANTA DE FUNDACIONES
CANCHA MUNICIPAL AZUA
ESC. 1:100

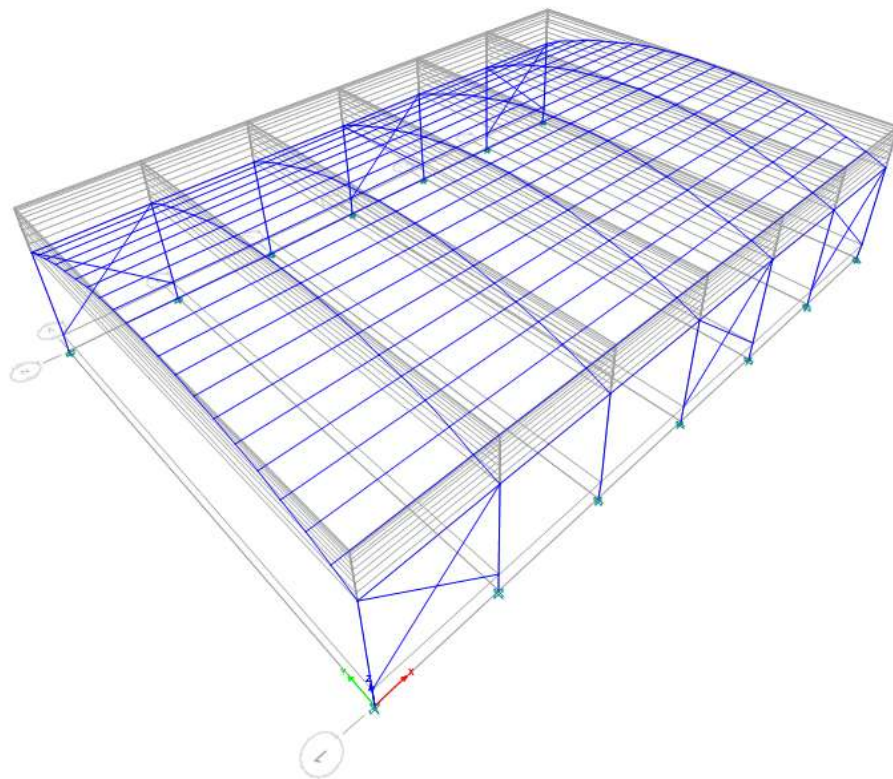


1 ELEVACION EJES A/B
CANCHA MUNICIPAL AZUA
ESC. 1:100



1 ELEVACION EJES 1/2/3/4/5/6/7
CANCHA MUNICIPAL AZUA
ESC. 1:100

No. HCUA: 00 00		E 02		Cant. HCUA: 00	
TITULO DE LA HOJA:		PLANTA ESTRUCTURAL DE FUNDACIONES		ESCALA: 1 - 100	
DISEÑO ESTRUCTURAL:		COLABORACION:		FECHA: OCTUBRE 2, 2024	
OBRA CIVIL:		DISEÑO SANITARIO:		DISEÑO ELECTRICO:	
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Project Report

Model File: Multiuso Azua, Revision 0
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1 Structure Data

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

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	Story3	2.4	Yes	None	No	Red
T1	Story2	5	No	Story3	No	Magenta
T1	Story1	1	No	Story3	No	Yellow

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	1250	Gray6

Table 1.3 - Grid Definitions - Grid Lines

Name	Grid Line Type	ID	Ordinate m	Bubble Location	Visible
G1	X (Cartesian)	A	0	End	Yes
G1	X (Cartesian)	B	5.8	End	Yes
G1	X (Cartesian)	C	11.6	End	Yes
G1	X (Cartesian)	D	17.4	End	Yes
G1	X (Cartesian)	E	23.2	End	Yes
G1	X (Cartesian)	F	29	End	Yes
G1	X (Cartesian)	G	34.8	End	Yes
G1	Y (Cartesian)	1	0	Start	Yes
G1	Y (Cartesian)	2	24	Start	Yes

1.3 Point Coordinates

Table 1.4 - Point Bays

Label	Is Auto Point	X m	Y m	DZBelow m
1	No	0	0	0
2	No	0	24	0
3	No	0	12	0
4	No	11.6	0	0
5	No	11.6	24	0
6	No	11.6	12	0
7	No	11.6	1.2	1.944
8	No	11.6	2.4	1.536
9	No	11.6	3.6	1.176
10	No	11.6	4.8	0.864
11	No	11.6	6	0.6

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
12	No	11.6	7.2	0.384
13	No	11.6	8.4	0.216
14	No	11.6	9.6	0.096
15	No	11.6	10.8	0.024
16	No	11.6	13.2	0.024
17	No	11.6	14.4	0.096
18	No	11.6	15.6	0.216
19	No	11.6	16.8	0.384
20	No	11.6	18	0.6
21	No	11.6	19.2	0.864
22	No	11.6	20.4	1.176
23	No	11.6	21.6	1.536
24	No	11.6	22.8	1.944
25	No	17.4	0	0
26	No	17.4	24	0
27	No	17.4	12	0
28	No	17.4	1.2	1.944
29	No	17.4	2.4	1.536
30	No	17.4	3.6	1.176
31	No	17.4	4.8	0.864
32	No	17.4	6	0.6
33	No	17.4	7.2	0.384
34	No	17.4	8.4	0.216
35	No	17.4	9.6	0.096
36	No	17.4	10.8	0.024
37	No	17.4	13.2	0.024
38	No	17.4	14.4	0.096
39	No	17.4	15.6	0.216
40	No	17.4	16.8	0.384
41	No	17.4	18	0.6
42	No	17.4	19.2	0.864
43	No	17.4	20.4	1.176
44	No	17.4	21.6	1.536
45	No	17.4	22.8	1.944
46	No	23.2	0	0
47	No	23.2	24	0
48	No	23.2	12	0
49	No	23.2	1.2	1.944
50	No	23.2	2.4	1.536
51	No	23.2	3.6	1.176
52	No	23.2	4.8	0.864
53	No	23.2	6	0.6
54	No	23.2	7.2	0.384
55	No	23.2	8.4	0.216
56	No	23.2	9.6	0.096

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
57	No	23.2	10.8	0.024
58	No	23.2	13.2	0.024
59	No	23.2	14.4	0.096
60	No	23.2	15.6	0.216
61	No	23.2	16.8	0.384
62	No	23.2	18	0.6
63	No	23.2	19.2	0.864
64	No	23.2	20.4	1.176
65	No	23.2	21.6	1.536
66	No	23.2	22.8	1.944
67	No	29	0	0
68	No	29	24	0
69	No	29	12	0
70	No	29	1.2	1.944
71	No	29	2.4	1.536
72	No	29	3.6	1.176
73	No	29	4.8	0.864
74	No	29	6	0.6
75	No	29	7.2	0.384
76	No	29	8.4	0.216
77	No	29	9.6	0.096
78	No	29	10.8	0.024
79	No	29	13.2	0.024
80	No	29	14.4	0.096
81	No	29	15.6	0.216
82	No	29	16.8	0.384
83	No	0	1.2	1.944
84	No	29	18	0.6
85	No	29	19.2	0.864
86	No	29	20.4	1.176
87	No	29	21.6	1.536
88	No	29	22.8	1.944
89	No	34.8	0	0
90	No	34.8	24	0
91	No	34.8	12	0
92	No	34.8	1.2	1.944
93	No	0	2.4	1.536
94	No	34.8	2.4	1.536
95	No	34.8	3.6	1.176
96	No	34.8	4.8	0.864
97	No	34.8	6	0.6
98	No	34.8	7.2	0.384
99	No	34.8	8.4	0.216
100	No	34.8	9.6	0.096
101	No	34.8	10.8	0.024

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
102	No	34.8	13.2	0.024
103	No	0	3.6	1.176
104	No	34.8	14.4	0.096
105	No	34.8	15.6	0.216
106	No	34.8	16.8	0.384
107	No	34.8	18	0.6
108	No	34.8	19.2	0.864
109	No	34.8	20.4	1.176
110	No	34.8	21.6	1.536
111	No	34.8	22.8	1.944
113	No	0	4.8	0.864
123	No	0	6	0.6
133	No	0	7.2	0.384
142	No	0	8.4	0.216
152	No	0	9.6	0.096
162	No	0	10.8	0.024
180	No	0	13.2	0.024
188	No	0	14.4	0.096
195	No	0	15.6	0.216
203	No	0	16.8	0.384
211	No	0	18	0.6
219	No	0	19.2	0.864
227	No	0	20.4	1.176
235	No	0	21.6	1.536
243	No	0	22.8	1.944
253	No	5.8	0	0
254	No	5.8	24	0
255	No	5.8	12	0
256	No	5.8	1.2	1.944
257	No	5.8	2.4	1.536
258	No	5.8	3.6	1.176
259	No	5.8	4.8	0.864
260	No	5.8	6	0.6
261	No	5.8	7.2	0.384
262	No	5.8	8.4	0.216
263	No	5.8	9.6	0.096
264	No	5.8	10.8	0.024
265	No	5.8	13.2	0.024
266	No	5.8	14.4	0.096
267	No	5.8	15.6	0.216
268	No	5.8	16.8	0.384
269	No	5.8	18	0.6
270	No	5.8	19.2	0.864
271	No	5.8	20.4	1.176
272	No	5.8	21.6	1.536

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
273	No	5.8	22.8	1.944

1.4 Line Connectivity

Table 1.5 - Column Bays

Label	PointBayI	PointBayJ	IEndStory
C1	1	1	Below
C2	2	2	Below
C3	4	4	Below
C4	5	5	Below
C5	25	25	Below
C6	26	26	Below
C7	46	46	Below
C8	47	47	Below
C9	67	67	Below
C10	68	68	Below
C11	89	89	Below
C12	90	90	Below
C252	253	253	Below
C253	254	254	Below

Table 1.6 - Beam Bays

Label	PointBayI	PointBayJ
B1	2	254
B2	243	273
B3	235	272
B4	227	271
B5	219	270
B6	211	269
B7	203	268
B8	195	267
B9	188	266
B10	180	265
B11	3	255
B12	162	264
B13	152	263
B14	142	262
B15	133	261
B16	123	260
B17	113	259
B18	103	258
B19	93	257
B20	83	256
B21	1	253
B22	7	8

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B23	8	9
B24	9	10
B25	10	11
B26	11	12
B27	12	13
B28	13	14
B29	14	15
B30	15	6
B31	6	16
B32	17	16
B33	18	17
B34	19	18
B35	20	19
B36	21	20
B37	22	21
B38	23	22
B39	24	23
B40	254	5
B41	273	24
B42	272	23
B43	271	22
B44	270	21
B45	269	20
B46	268	19
B47	267	18
B48	266	17
B49	265	16
B50	255	6
B51	264	15
B52	263	14
B53	262	13
B54	261	12
B55	260	11
B56	259	10
B57	258	9
B58	257	8
B59	256	7
B60	253	4
B61	28	29
B62	29	30
B63	30	31
B64	31	32
B65	32	33
B66	33	34
B67	34	35
B68	35	36

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B69	36	27
B70	27	37
B71	38	37
B72	39	38
B73	40	39
B74	41	40
B75	42	41
B76	43	42
B77	44	43
B78	45	44
B79	5	26
B80	24	45
B81	23	44
B82	22	43
B83	21	42
B84	20	41
B85	19	40
B86	18	39
B87	17	38
B88	16	37
B89	6	27
B90	15	36
B91	14	35
B92	13	34
B93	12	33
B94	11	32
B95	10	31
B96	9	30
B97	8	29
B98	7	28
B99	4	25
B100	49	50
B101	50	51
B102	51	52
B103	52	53
B104	53	54
B105	54	55
B106	55	56
B107	56	57
B108	57	48
B109	48	58
B110	59	58
B111	60	59
B112	61	60
B113	62	61
B114	63	62

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B115	64	63
B116	65	64
B117	66	65
B118	26	47
B119	45	66
B120	44	65
B121	43	64
B122	42	63
B123	41	62
B124	40	61
B125	39	60
B126	38	59
B127	37	58
B128	27	48
B129	36	57
B130	35	56
B131	34	55
B132	33	54
B133	32	53
B134	31	52
B135	30	51
B136	29	50
B137	28	49
B138	25	46
B139	70	71
B140	71	72
B141	72	73
B142	73	74
B143	74	75
B144	75	76
B145	76	77
B146	77	78
B147	78	69
B148	69	79
B149	80	79
B150	81	80
B151	82	81
B152	84	82
B153	85	84
B154	86	85
B155	87	86
B156	88	87
B157	47	68
B158	66	88
B159	65	87
B160	64	86

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B161	63	85
B162	62	84
B163	61	82
B164	60	81
B165	59	80
B166	58	79
B167	48	69
B168	57	78
B169	56	77
B170	55	76
B171	54	75
B172	53	74
B173	52	73
B174	51	72
B175	50	71
B176	49	70
B177	46	67
B178	92	94
B179	94	95
B180	95	96
B181	96	97
B182	97	98
B183	98	99
B184	99	100
B185	100	101
B186	101	91
B187	91	102
B188	104	102
B189	105	104
B190	106	105
B191	107	106
B192	108	107
B193	109	108
B194	110	109
B195	111	110
B196	68	90
B197	88	111
B198	87	110
B199	86	109
B200	85	108
B201	84	107
B202	82	106
B203	81	105
B204	80	104
B205	79	102
B206	69	91

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B207	78	101
B208	77	100
B209	76	99
B210	75	98
B211	74	97
B212	73	96
B213	72	95
B214	83	93
B215	93	103
B216	103	113
B217	113	123
B218	123	133
B219	133	142
B220	142	152
B221	71	94
B222	70	92
B223	67	89
B230	152	162
B231	162	3
B232	3	180
B233	188	180
B235	195	188
B236	203	195
B237	211	203
B238	219	211
B239	227	219
B240	235	227
B241	243	235
B242	256	257
B243	257	258
B244	258	259
B245	259	260
B246	260	261
B247	261	262
B248	262	263
B249	263	264
B250	264	255
B251	255	265
B252	266	265
B253	267	266
B254	268	267
B255	269	268
B256	270	269
B257	271	270
B258	272	271
B259	273	272

Table 1.7 - Brace Bays

Label	PointBayI	PointBayJ	IEndStory
D1	1	83	Below
D2	2	243	Below
D3	253	256	Below
D4	254	273	Below
D5	4	7	Below
D6	5	24	Below
D7	25	28	Below
D8	26	45	Below
D9	46	49	Below
D10	47	66	Below
D11	67	70	Below
D12	68	88	Below
D13	89	92	Below
D14	90	111	Below
D15	1	253	Below
D16	253	1	Below
D17	25	46	Below
D18	46	25	Below
D19	67	89	Below
D20	89	67	Below
D21	2	254	Below
D22	254	2	Below
D23	26	47	Below
D24	47	26	Below
D25	68	90	Below
D26	90	68	Below

1.5 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?
MsSrc1	Yes	Yes	No	Yes	Yes	Yes	No	No

Table 1.9 - Mass Summary by Story

Story	UX kg	UY kg	UZ kg
Story3	7692.7	7692.7	0
Story2	7548.1	7548.1	0
Story1	8175.25	8175.25	0
Base	4709.43	4709.43	0

Table 1.10 - Mass Summary by Group

Group	Self Mass kg	Self Weight tonf	Mass X kg	Mass Y kg	Mass Z kg
All	28125.47	0	28125.47	28125.47	0

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
4000Psi	Concrete	Isotropic	f'c 4000 psi	Magenta	
A36	Steel	Isotropic	Grade 36	Magenta	
A416Gr270	Tendon	Uniaxial	Grade 270	Gray8Dark	
A615Gr60	Rebar	Uniaxial	Grade 60	Yellow	
A653SQGr50	ColdFormed	Isotropic	SQ Grade 50	Green	
A992Fy50	Steel	Isotropic	Grade 50	Red	

2.2 Frame Sections

Table 2.2 - Frame Section Property Definitions - Summary (Part 1 of 4)

Name	Material	Shape	Color	Area mm ²	J mm ⁴	I33 mm ⁴	I22 mm ⁴
ColumnFabricada	A992Fy50	Steel I/Wide Flange	Cyan	11413.3	693745.6	538916548.3	24538943.2
CorreaZ	A653SQGr50	Cold Formed Z	Blue	456.6	400.2	1607374.6	326753.7
HSS4.000X0.125	A992Fy50	Steel Pipe	Green	916.1	2222675.8	1111337.9	1111337.9
Peddestal	4000Psi	Concrete Rectangular	Gray8Dark	280000	9616646732.4	11433333333	3733333333.3
Vigaprefabricada	A36	Steel I/Wide Flange	Red	6774.2	139163.3	398109099.5	5632131.5

Table 2.2 - Frame Section Property Definitions - Summary (Part 2 of 4)

Name	I23 mm ⁴	As2 mm ²	As3 mm ²	S33Pos mm ³	S33Neg mm ³	S22Pos mm ³	S22Neg mm ³	Z33 mm ³	Z22 mm ³
ColumnFabricada	0	5021	6337.5	2033647.4	2033647.4	233704.2	233704.2	2305116.8	361344.8
CorreaZ	533802.4	224.1	132.4	21094.2	21094.2	5133.1	0	24963.8	7552.8
HSS4.000X0.125	0	479.3	479.3	21876.7	21876.7	21876.7	21876.7	28677.4	28677.4
Peddestal	0	233333.3	233333.3	32666666.7	32666666.7	18666666.7	18666666.7	49000000	28000000
Vigaprefabricada	0	3900.6	2746.7	1266552.5	1266552.5	73912.5	73912.5	1488662.3	116757.8

Table 2.2 - Frame Section Property Definitions - Summary (Part 3 of 4)

Name	R22 mm	Cw mm ⁶	Fillet Radius mm	CG Offset 3 mm	CG Offset 2 mm	PNA Offset 3 mm	PNA Offset 2 mm	Area Modifier	As2 Modifier	As3 Modifier
ColumnFabricada	46.4	1619000000000		0	0	0	0	1	1	1
CorreaZ	26.7	1533205586.3		0	0	0	0	1	1	1
HSS4.000X0.125	34.8			0	0	0	0	1	1	1
Peddestal	115.5			0	0	0	0	1	1	1
Vigaprefabricada	28.8	538500000000		0	0	0	0	1	1	1

Table 2.2 - Frame Section Property Definitions - Summary (Part 4 of 4)

Name	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
ColumnaFabricada	1	1	1	1
CorreaZ	1	1	1	1
HSS4.000X0.125	1	1	1	1
Peddestal	1	1	1	1
Vigaprefabricada	1	1	1	1

2.3 Reinforcement Sizes

Table 2.3 - Reinforcing Bar Sizes

Name	Diameter mm	Area mm2
10	10	78.5
18	18	254.5
20	20	314.2

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
Story3	3	92	From Area	
Story3	83	132	From Area	
Story3	93	142	From Area	
Story3	103	152	From Area	
Story3	113	162	From Area	
Story3	123	172	From Area	
Story3	133	182	From Area	
Story3	142	192	From Area	
Story3	152	202	From Area	
Story3	162	212	From Area	
Story3	180	230	From Area	
Story3	188	238	From Area	
Story3	195	246	From Area	
Story3	203	254	From Area	
Story3	211	262	From Area	
Story3	219	270	From Area	
Story3	227	278	From Area	
Story3	235	286	From Area	
Story3	243	294	From Area	
Story3	255	310	From Area	
Story3	256	311	From Area	
Story3	257	312	From Area	
Story3	258	313	From Area	
Story3	259	314	From Area	
Story3	260	315	From Area	
Story3	261	316	From Area	
Story3	262	317	From Area	
Story3	263	318	From Area	
Story3	264	319	From Area	
Story3	265	320	From Area	
Story3	266	321	From Area	
Story3	267	322	From Area	
Story3	268	323	From Area	
Story3	269	324	From Area	
Story3	270	325	From Area	
Story3	271	326	From Area	
Story3	272	327	From Area	
Story3	273	328	From Area	
Story3	6	13	From Area	
Story3	7	14	From Area	
Story3	8	15	From Area	
Story3	9	16	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	10	17	From Area	
Story3	11	18	From Area	
Story3	12	19	From Area	
Story3	13	20	From Area	
Story3	14	21	From Area	
Story3	15	22	From Area	
Story3	16	23	From Area	
Story3	17	24	From Area	
Story3	18	25	From Area	
Story3	19	26	From Area	
Story3	20	27	From Area	
Story3	21	28	From Area	
Story3	22	29	From Area	
Story3	23	30	From Area	
Story3	24	31	From Area	
Story3	27	38	From Area	
Story3	28	39	From Area	
Story3	29	40	From Area	
Story3	30	41	From Area	
Story3	31	42	From Area	
Story3	32	43	From Area	
Story3	33	44	From Area	
Story3	34	45	From Area	
Story3	35	46	From Area	
Story3	36	47	From Area	
Story3	37	48	From Area	
Story3	38	49	From Area	
Story3	39	50	From Area	
Story3	40	51	From Area	
Story3	41	52	From Area	
Story3	42	53	From Area	
Story3	43	54	From Area	
Story3	44	55	From Area	
Story3	45	56	From Area	
Story3	48	63	From Area	
Story3	49	64	From Area	
Story3	50	65	From Area	
Story3	51	66	From Area	
Story3	52	67	From Area	
Story3	53	68	From Area	
Story3	54	69	From Area	
Story3	55	70	From Area	
Story3	56	71	From Area	
Story3	57	72	From Area	
Story3	58	73	From Area	
Story3	59	74	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	60	75	From Area	
Story3	61	76	From Area	
Story3	62	77	From Area	
Story3	63	78	From Area	
Story3	64	79	From Area	
Story3	65	80	From Area	
Story3	66	81	From Area	
Story3	69	88	From Area	
Story3	70	89	From Area	
Story3	71	90	From Area	
Story3	72	91	From Area	
Story3	73	93	From Area	
Story3	74	94	From Area	
Story3	75	95	From Area	
Story3	76	96	From Area	
Story3	77	97	From Area	
Story3	78	98	From Area	
Story3	79	99	From Area	
Story3	80	100	From Area	
Story3	81	101	From Area	
Story3	82	102	From Area	
Story3	84	103	From Area	
Story3	85	104	From Area	
Story3	86	105	From Area	
Story3	87	106	From Area	
Story3	88	107	From Area	
Story3	91	114	From Area	
Story3	92	115	From Area	
Story3	94	116	From Area	
Story3	95	117	From Area	
Story3	96	118	From Area	
Story3	97	119	From Area	
Story3	98	120	From Area	
Story3	99	121	From Area	
Story3	100	122	From Area	
Story3	101	123	From Area	
Story3	102	124	From Area	
Story3	104	125	From Area	
Story3	105	126	From Area	
Story3	106	127	From Area	
Story3	107	128	From Area	
Story3	108	129	From Area	
Story3	109	130	From Area	
Story3	110	131	From Area	
Story3	111	133	From Area	
Story2	1	6	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	2	5	From Area	
Story2	253	309	From Area	
Story2	254	308	From Area	
Story2	4	12	From Area	
Story2	5	11	From Area	
Story2	25	37	From Area	
Story2	26	36	From Area	
Story2	46	62	From Area	
Story2	47	61	From Area	
Story2	67	87	From Area	
Story2	68	86	From Area	
Story2	89	113	From Area	
Story2	90	112	From Area	
Story1	1	2	From Area	
Story1	2	4	From Area	
Story1	253	305	From Area	
Story1	254	307	From Area	
Story1	4	8	From Area	
Story1	5	10	From Area	
Story1	25	33	From Area	
Story1	26	35	From Area	
Story1	46	58	From Area	
Story1	47	60	From Area	
Story1	67	83	From Area	
Story1	68	85	From Area	
Story1	89	109	From Area	
Story1	90	111	From Area	
Base	1	1	From Area	UX; UY; UZ; RX; RY; RZ
Base	2	3	From Area	UX; UY; UZ; RX; RY; RZ
Base	253	304	From Area	UX; UY; UZ; RX; RY; RZ
Base	254	306	From Area	UX; UY; UZ; RX; RY; RZ
Base	4	7	From Area	UX; UY; UZ; RX; RY; RZ
Base	5	9	From Area	UX; UY; UZ; RX; RY; RZ
Base	25	32	From Area	UX; UY; UZ; RX; RY; RZ
Base	26	34	From Area	UX; UY; UZ; RX; RY; RZ
Base	46	57	From Area	UX; UY; UZ; RX; RY; RZ
Base	47	59	From Area	UX; UY; UZ; RX; RY; RZ
Base	67	82	From Area	UX; UY; UZ; RX; RY; RZ
Base	68	84	From Area	UX; UY; UZ; RX; RY; RZ
Base	89	108	From Area	UX; UY; UZ; RX; RY; RZ
Base	90	110	From Area	UX; UY; UZ; RX; RY; RZ

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	Releases
Story3	B214	470	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B215	471	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B216	472	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B217	473	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B218	474	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B219	475	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B220	476	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B230	486	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B231	487	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B232	488	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B233	489	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B235	491	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B236	492	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B237	493	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B238	494	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B239	495	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B240	496	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B241	497	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B242	504	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B243	505	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B244	506	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B245	507	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B246	508	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B247	509	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B248	510	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B249	511	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B250	512	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B251	513	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B252	514	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B253	515	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B254	516	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B255	517	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B256	518	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B257	519	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B258	520	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B259	521	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B2	6	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B3	7	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B4	8	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B5	9	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B6	10	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B7	11	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B8	12	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B9	13	Beam	5.8	CorreaZ	N/A		0.5		Yes

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations	Releases
Story3	B10	14	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B11	15	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B12	16	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B13	17	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B14	18	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B15	19	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B16	20	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B17	21	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B18	22	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B19	23	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B20	24	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B22	31	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B23	32	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B24	33	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B25	34	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B26	35	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B27	36	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B28	37	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B29	38	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B30	39	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B31	40	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B32	41	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B33	42	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B34	43	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B35	44	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B36	45	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B37	46	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B38	47	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B39	48	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B41	51	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B42	52	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B43	53	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B44	54	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B45	55	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B46	56	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B47	57	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B48	58	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B49	59	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B50	60	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B51	61	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B52	62	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B53	63	Beam	5.8	CorreaZ	N/A		0.5		Yes

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations	Releases
Story3	B54	64	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B55	65	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B56	66	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B57	67	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B58	68	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B59	69	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B61	76	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B62	77	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B63	78	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B64	79	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B65	80	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B66	81	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B67	82	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B68	83	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B69	84	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B70	85	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B71	86	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B72	87	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B73	88	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B74	89	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B75	90	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B76	91	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B77	92	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B78	93	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B80	96	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B81	97	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B82	98	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B83	99	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B84	100	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B85	101	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B86	102	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B87	103	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B88	104	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B89	105	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B90	106	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B91	107	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B92	108	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B93	109	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B94	110	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B95	111	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B96	112	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B97	113	Beam	5.8	CorreaZ	N/A		0.5		Yes

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations	Releases
Story3	B98	114	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B100	121	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B101	122	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B102	123	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B103	124	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B104	125	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B105	126	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B106	127	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B107	128	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B108	129	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B109	130	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B110	131	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B111	132	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B112	133	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B113	134	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B114	135	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B115	136	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B116	137	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B117	138	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B119	141	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B120	142	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B121	143	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B122	144	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B123	145	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B124	146	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B125	147	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B126	148	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B127	149	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B128	150	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B129	151	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B130	152	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B131	153	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B132	154	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B133	155	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B134	156	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B135	157	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B136	158	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B137	159	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B139	166	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B140	167	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B141	168	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B142	169	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations	Releases
Story3	B143	170	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B144	171	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B145	172	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B146	173	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B147	174	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B148	175	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B149	176	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B150	177	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B151	178	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B152	179	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B153	180	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B154	181	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B155	182	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B156	183	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B158	186	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B159	187	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B160	188	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B161	189	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B162	190	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B163	191	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B164	192	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B165	193	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B166	194	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B167	195	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B168	196	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B169	197	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B170	198	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B171	199	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B172	200	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B173	201	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B174	202	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B175	203	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B176	204	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B178	211	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B179	212	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B180	213	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B181	214	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B182	215	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B183	216	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B184	217	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B185	218	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B186	219	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations	Releases
Story3	B187	220	Beam	1.2002	Vigaprefabricada	Vigaprefabricada			3	
Story3	B188	221	Beam	1.2022	Vigaprefabricada	Vigaprefabricada			3	
Story3	B189	222	Beam	1.206	Vigaprefabricada	Vigaprefabricada			3	
Story3	B190	223	Beam	1.2117	Vigaprefabricada	Vigaprefabricada			3	
Story3	B191	224	Beam	1.2193	Vigaprefabricada	Vigaprefabricada			3	
Story3	B192	225	Beam	1.2287	Vigaprefabricada	Vigaprefabricada			3	
Story3	B193	226	Beam	1.2399	Vigaprefabricada	Vigaprefabricada			3	
Story3	B194	227	Beam	1.2528	Vigaprefabricada	Vigaprefabricada			3	
Story3	B195	228	Beam	1.2675	Vigaprefabricada	Vigaprefabricada			3	
Story3	B197	231	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B198	232	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B199	233	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B200	234	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B201	235	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B202	236	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B203	237	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B204	238	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B205	239	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B206	240	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B207	241	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B208	242	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B209	243	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B210	244	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B211	245	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B212	246	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B213	247	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B221	248	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	B222	249	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story3	D1	469	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D2	498	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D3	503	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D4	522	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D5	30	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D6	49	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D7	75	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D8	94	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D9	120	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D10	139	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D11	165	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D12	184	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D13	210	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	
Story3	D14	229	Brace	1.2837	Vigaprefabricada	Vigaprefabricada			3	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations	Releases
Story2	B1	5	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B21	25	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B40	50	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B60	70	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B79	95	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B99	115	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B118	140	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B138	160	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B157	185	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B177	205	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B196	230	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	B223	250	Beam	5.8	CorreaZ	N/A		0.5		Yes
Story2	C1	4	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C2	3	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C252	502	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C253	501	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C3	29	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C4	28	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C5	74	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C6	73	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C7	119	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C8	118	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C9	164	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C10	163	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C11	209	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	C12	208	Column	5	ColumnaFabricada	ColumnaFabricada	90		3	
Story2	D15	251	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D16	252	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D17	253	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D18	254	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations	Releases
Story2	D19	255	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D20	256	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D21	257	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D22	258	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D23	259	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D24	260	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D25	261	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story2	D26	262	Brace	7.6577	HSS4.000X0.125	HSS4.000X0.125			3	Yes
Story1	C1	1	Column	1	Pedestal	Pedestal	90		3	
Story1	C2	2	Column	1	Pedestal	Pedestal	90		3	
Story1	C252	499	Column	1	Pedestal	Pedestal	90		3	
Story1	C253	500	Column	1	Pedestal	Pedestal	90		3	
Story1	C3	26	Column	1	Pedestal	Pedestal	90		3	
Story1	C4	27	Column	1	Pedestal	Pedestal	90		3	
Story1	C5	71	Column	1	Pedestal	Pedestal	90		3	
Story1	C6	72	Column	1	Pedestal	Pedestal	90		3	
Story1	C7	116	Column	1	Pedestal	Pedestal	90		3	
Story1	C8	117	Column	1	Pedestal	Pedestal	90		3	
Story1	C9	161	Column	1	Pedestal	Pedestal	90		3	
Story1	C10	162	Column	1	Pedestal	Pedestal	90		3	
Story1	C11	206	Column	1	Pedestal	Pedestal	90		3	
Story1	C12	207	Column	1	Pedestal	Pedestal	90		3	

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	
Live	No	Live	0	
Sism o	No	Seismic	0	Dominican Republic R-001
Sism o(1/6)	Yes	Seismic	0	Dominican Republic R-001
Sism o(2/6)	Yes	Seismic	0	Dominican Republic R-001
Sism o(3/6)	Yes	Seismic	0	Dominican Republic R-001
Sism o(4/6)	Yes	Seismic	0	Dominican Republic R-001
Sism o(5/6)	Yes	Seismic	0	Dominican Republic R-001
Sism o(6/6)	Yes	Seismic	0	Dominican Republic R-001

4.2 Auto Seismic Loading

4.3 Applied Loads

4.3.1 Line Loads

Table 4.2 - Frame Loads Assignments - Distributed (Part 1 of 2)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m
6	Dead	Story3	B2	Force	Gravity	Relative	0	1	0	5.8
7	Dead	Story3	B3	Force	Gravity	Relative	0	1	0	5.8
8	Dead	Story3	B4	Force	Gravity	Relative	0	1	0	5.8
9	Dead	Story3	B5	Force	Gravity	Relative	0	1	0	5.8
10	Dead	Story3	B6	Force	Gravity	Relative	0	1	0	5.8
11	Dead	Story3	B7	Force	Gravity	Relative	0	1	0	5.8
12	Dead	Story3	B8	Force	Gravity	Relative	0	1	0	5.8
13	Dead	Story3	B9	Force	Gravity	Relative	0	1	0	5.8
14	Dead	Story3	B10	Force	Gravity	Relative	0	1	0	5.8
15	Dead	Story3	B11	Force	Gravity	Relative	0	1	0	5.8
16	Dead	Story3	B12	Force	Gravity	Relative	0	1	0	5.8
17	Dead	Story3	B13	Force	Gravity	Relative	0	1	0	5.8
18	Dead	Story3	B14	Force	Gravity	Relative	0	1	0	5.8
19	Dead	Story3	B15	Force	Gravity	Relative	0	1	0	5.8
20	Dead	Story3	B16	Force	Gravity	Relative	0	1	0	5.8
21	Dead	Story3	B17	Force	Gravity	Relative	0	1	0	5.8
22	Dead	Story3	B18	Force	Gravity	Relative	0	1	0	5.8
23	Dead	Story3	B19	Force	Gravity	Relative	0	1	0	5.8
24	Dead	Story3	B20	Force	Gravity	Relative	0	1	0	5.8
51	Dead	Story3	B41	Force	Gravity	Relative	0	1	0	5.8
52	Dead	Story3	B42	Force	Gravity	Relative	0	1	0	5.8
53	Dead	Story3	B43	Force	Gravity	Relative	0	1	0	5.8
54	Dead	Story3	B44	Force	Gravity	Relative	0	1	0	5.8
55	Dead	Story3	B45	Force	Gravity	Relative	0	1	0	5.8
56	Dead	Story3	B46	Force	Gravity	Relative	0	1	0	5.8
57	Dead	Story3	B47	Force	Gravity	Relative	0	1	0	5.8
58	Dead	Story3	B48	Force	Gravity	Relative	0	1	0	5.8
59	Dead	Story3	B49	Force	Gravity	Relative	0	1	0	5.8
60	Dead	Story3	B50	Force	Gravity	Relative	0	1	0	5.8
61	Dead	Story3	B51	Force	Gravity	Relative	0	1	0	5.8
62	Dead	Story3	B52	Force	Gravity	Relative	0	1	0	5.8
63	Dead	Story3	B53	Force	Gravity	Relative	0	1	0	5.8
64	Dead	Story3	B54	Force	Gravity	Relative	0	1	0	5.8
65	Dead	Story3	B55	Force	Gravity	Relative	0	1	0	5.8
66	Dead	Story3	B56	Force	Gravity	Relative	0	1	0	5.8
67	Dead	Story3	B57	Force	Gravity	Relative	0	1	0	5.8
68	Dead	Story3	B58	Force	Gravity	Relative	0	1	0	5.8
69	Dead	Story3	B59	Force	Gravity	Relative	0	1	0	5.8
96	Dead	Story3	B80	Force	Gravity	Relative	0	1	0	5.8
97	Dead	Story3	B81	Force	Gravity	Relative	0	1	0	5.8
98	Dead	Story3	B82	Force	Gravity	Relative	0	1	0	5.8

Table 4.2 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m
99	Dead	Story3	B83	Force	Gravity	Relative	0	1	0	5.8
100	Dead	Story3	B84	Force	Gravity	Relative	0	1	0	5.8
101	Dead	Story3	B85	Force	Gravity	Relative	0	1	0	5.8
102	Dead	Story3	B86	Force	Gravity	Relative	0	1	0	5.8
103	Dead	Story3	B87	Force	Gravity	Relative	0	1	0	5.8
104	Dead	Story3	B88	Force	Gravity	Relative	0	1	0	5.8
105	Dead	Story3	B89	Force	Gravity	Relative	0	1	0	5.8
106	Dead	Story3	B90	Force	Gravity	Relative	0	1	0	5.8
107	Dead	Story3	B91	Force	Gravity	Relative	0	1	0	5.8
108	Dead	Story3	B92	Force	Gravity	Relative	0	1	0	5.8
109	Dead	Story3	B93	Force	Gravity	Relative	0	1	0	5.8
110	Dead	Story3	B94	Force	Gravity	Relative	0	1	0	5.8
111	Dead	Story3	B95	Force	Gravity	Relative	0	1	0	5.8
112	Dead	Story3	B96	Force	Gravity	Relative	0	1	0	5.8
113	Dead	Story3	B97	Force	Gravity	Relative	0	1	0	5.8
114	Dead	Story3	B98	Force	Gravity	Relative	0	1	0	5.8
141	Dead	Story3	B119	Force	Gravity	Relative	0	1	0	5.8
142	Dead	Story3	B120	Force	Gravity	Relative	0	1	0	5.8
143	Dead	Story3	B121	Force	Gravity	Relative	0	1	0	5.8
144	Dead	Story3	B122	Force	Gravity	Relative	0	1	0	5.8
145	Dead	Story3	B123	Force	Gravity	Relative	0	1	0	5.8
146	Dead	Story3	B124	Force	Gravity	Relative	0	1	0	5.8
147	Dead	Story3	B125	Force	Gravity	Relative	0	1	0	5.8
148	Dead	Story3	B126	Force	Gravity	Relative	0	1	0	5.8
149	Dead	Story3	B127	Force	Gravity	Relative	0	1	0	5.8
150	Dead	Story3	B128	Force	Gravity	Relative	0	1	0	5.8
151	Dead	Story3	B129	Force	Gravity	Relative	0	1	0	5.8
152	Dead	Story3	B130	Force	Gravity	Relative	0	1	0	5.8
153	Dead	Story3	B131	Force	Gravity	Relative	0	1	0	5.8
154	Dead	Story3	B132	Force	Gravity	Relative	0	1	0	5.8
155	Dead	Story3	B133	Force	Gravity	Relative	0	1	0	5.8
156	Dead	Story3	B134	Force	Gravity	Relative	0	1	0	5.8
157	Dead	Story3	B135	Force	Gravity	Relative	0	1	0	5.8
158	Dead	Story3	B136	Force	Gravity	Relative	0	1	0	5.8
159	Dead	Story3	B137	Force	Gravity	Relative	0	1	0	5.8
186	Dead	Story3	B158	Force	Gravity	Relative	0	1	0	5.8
187	Dead	Story3	B159	Force	Gravity	Relative	0	1	0	5.8
188	Dead	Story3	B160	Force	Gravity	Relative	0	1	0	5.8
189	Dead	Story3	B161	Force	Gravity	Relative	0	1	0	5.8
190	Dead	Story3	B162	Force	Gravity	Relative	0	1	0	5.8
191	Dead	Story3	B163	Force	Gravity	Relative	0	1	0	5.8
192	Dead	Story3	B164	Force	Gravity	Relative	0	1	0	5.8
193	Dead	Story3	B165	Force	Gravity	Relative	0	1	0	5.8
194	Dead	Story3	B166	Force	Gravity	Relative	0	1	0	5.8

Table 4.2 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m
195	Dead	Story3	B167	Force	Gravity	Relative	0	1	0	5.8
196	Dead	Story3	B168	Force	Gravity	Relative	0	1	0	5.8
197	Dead	Story3	B169	Force	Gravity	Relative	0	1	0	5.8
198	Dead	Story3	B170	Force	Gravity	Relative	0	1	0	5.8
199	Dead	Story3	B171	Force	Gravity	Relative	0	1	0	5.8
200	Dead	Story3	B172	Force	Gravity	Relative	0	1	0	5.8
201	Dead	Story3	B173	Force	Gravity	Relative	0	1	0	5.8
202	Dead	Story3	B174	Force	Gravity	Relative	0	1	0	5.8
203	Dead	Story3	B175	Force	Gravity	Relative	0	1	0	5.8
204	Dead	Story3	B176	Force	Gravity	Relative	0	1	0	5.8
231	Dead	Story3	B197	Force	Gravity	Relative	0	1	0	5.8
232	Dead	Story3	B198	Force	Gravity	Relative	0	1	0	5.8
233	Dead	Story3	B199	Force	Gravity	Relative	0	1	0	5.8
234	Dead	Story3	B200	Force	Gravity	Relative	0	1	0	5.8
235	Dead	Story3	B201	Force	Gravity	Relative	0	1	0	5.8
236	Dead	Story3	B202	Force	Gravity	Relative	0	1	0	5.8
237	Dead	Story3	B203	Force	Gravity	Relative	0	1	0	5.8
238	Dead	Story3	B204	Force	Gravity	Relative	0	1	0	5.8
239	Dead	Story3	B205	Force	Gravity	Relative	0	1	0	5.8
240	Dead	Story3	B206	Force	Gravity	Relative	0	1	0	5.8
241	Dead	Story3	B207	Force	Gravity	Relative	0	1	0	5.8
242	Dead	Story3	B208	Force	Gravity	Relative	0	1	0	5.8
243	Dead	Story3	B209	Force	Gravity	Relative	0	1	0	5.8
244	Dead	Story3	B210	Force	Gravity	Relative	0	1	0	5.8
245	Dead	Story3	B211	Force	Gravity	Relative	0	1	0	5.8
246	Dead	Story3	B212	Force	Gravity	Relative	0	1	0	5.8
247	Dead	Story3	B213	Force	Gravity	Relative	0	1	0	5.8
248	Dead	Story3	B221	Force	Gravity	Relative	0	1	0	5.8
249	Dead	Story3	B222	Force	Gravity	Relative	0	1	0	5.8
5	Dead	Story2	B1	Force	Gravity	Relative	0	1	0	5.8
25	Dead	Story2	B21	Force	Gravity	Relative	0	1	0	5.8
50	Dead	Story2	B40	Force	Gravity	Relative	0	1	0	5.8
70	Dead	Story2	B60	Force	Gravity	Relative	0	1	0	5.8
95	Dead	Story2	B79	Force	Gravity	Relative	0	1	0	5.8
115	Dead	Story2	B99	Force	Gravity	Relative	0	1	0	5.8
140	Dead	Story2	B118	Force	Gravity	Relative	0	1	0	5.8
160	Dead	Story2	B138	Force	Gravity	Relative	0	1	0	5.8
185	Dead	Story2	B157	Force	Gravity	Relative	0	1	0	5.8
205	Dead	Story2	B177	Force	Gravity	Relative	0	1	0	5.8
230	Dead	Story2	B196	Force	Gravity	Relative	0	1	0	5.8
250	Dead	Story2	B223	Force	Gravity	Relative	0	1	0	5.8
6	Live	Story3	B2	Force	Gravity	Relative	0	1	0	5.8
7	Live	Story3	B3	Force	Gravity	Relative	0	1	0	5.8
8	Live	Story3	B4	Force	Gravity	Relative	0	1	0	5.8

Table 4.2 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m
9	Live	Story3	B5	Force	Gravity	Relative	0	1	0	5.8
10	Live	Story3	B6	Force	Gravity	Relative	0	1	0	5.8
11	Live	Story3	B7	Force	Gravity	Relative	0	1	0	5.8
12	Live	Story3	B8	Force	Gravity	Relative	0	1	0	5.8
13	Live	Story3	B9	Force	Gravity	Relative	0	1	0	5.8
14	Live	Story3	B10	Force	Gravity	Relative	0	1	0	5.8
15	Live	Story3	B11	Force	Gravity	Relative	0	1	0	5.8
16	Live	Story3	B12	Force	Gravity	Relative	0	1	0	5.8
17	Live	Story3	B13	Force	Gravity	Relative	0	1	0	5.8
18	Live	Story3	B14	Force	Gravity	Relative	0	1	0	5.8
19	Live	Story3	B15	Force	Gravity	Relative	0	1	0	5.8
20	Live	Story3	B16	Force	Gravity	Relative	0	1	0	5.8
21	Live	Story3	B17	Force	Gravity	Relative	0	1	0	5.8
22	Live	Story3	B18	Force	Gravity	Relative	0	1	0	5.8
23	Live	Story3	B19	Force	Gravity	Relative	0	1	0	5.8
24	Live	Story3	B20	Force	Gravity	Relative	0	1	0	5.8
51	Live	Story3	B41	Force	Gravity	Relative	0	1	0	5.8
52	Live	Story3	B42	Force	Gravity	Relative	0	1	0	5.8
53	Live	Story3	B43	Force	Gravity	Relative	0	1	0	5.8
54	Live	Story3	B44	Force	Gravity	Relative	0	1	0	5.8
55	Live	Story3	B45	Force	Gravity	Relative	0	1	0	5.8
56	Live	Story3	B46	Force	Gravity	Relative	0	1	0	5.8
57	Live	Story3	B47	Force	Gravity	Relative	0	1	0	5.8
58	Live	Story3	B48	Force	Gravity	Relative	0	1	0	5.8
59	Live	Story3	B49	Force	Gravity	Relative	0	1	0	5.8
60	Live	Story3	B50	Force	Gravity	Relative	0	1	0	5.8
61	Live	Story3	B51	Force	Gravity	Relative	0	1	0	5.8
62	Live	Story3	B52	Force	Gravity	Relative	0	1	0	5.8
63	Live	Story3	B53	Force	Gravity	Relative	0	1	0	5.8
64	Live	Story3	B54	Force	Gravity	Relative	0	1	0	5.8
65	Live	Story3	B55	Force	Gravity	Relative	0	1	0	5.8
66	Live	Story3	B56	Force	Gravity	Relative	0	1	0	5.8
67	Live	Story3	B57	Force	Gravity	Relative	0	1	0	5.8
68	Live	Story3	B58	Force	Gravity	Relative	0	1	0	5.8
69	Live	Story3	B59	Force	Gravity	Relative	0	1	0	5.8
96	Live	Story3	B80	Force	Gravity	Relative	0	1	0	5.8
97	Live	Story3	B81	Force	Gravity	Relative	0	1	0	5.8
98	Live	Story3	B82	Force	Gravity	Relative	0	1	0	5.8
99	Live	Story3	B83	Force	Gravity	Relative	0	1	0	5.8
100	Live	Story3	B84	Force	Gravity	Relative	0	1	0	5.8
101	Live	Story3	B85	Force	Gravity	Relative	0	1	0	5.8
102	Live	Story3	B86	Force	Gravity	Relative	0	1	0	5.8
103	Live	Story3	B87	Force	Gravity	Relative	0	1	0	5.8
104	Live	Story3	B88	Force	Gravity	Relative	0	1	0	5.8

Table 4.2 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m
105	Live	Story3	B89	Force	Gravity	Relative	0	1	0	5.8
106	Live	Story3	B90	Force	Gravity	Relative	0	1	0	5.8
107	Live	Story3	B91	Force	Gravity	Relative	0	1	0	5.8
108	Live	Story3	B92	Force	Gravity	Relative	0	1	0	5.8
109	Live	Story3	B93	Force	Gravity	Relative	0	1	0	5.8
110	Live	Story3	B94	Force	Gravity	Relative	0	1	0	5.8
111	Live	Story3	B95	Force	Gravity	Relative	0	1	0	5.8
112	Live	Story3	B96	Force	Gravity	Relative	0	1	0	5.8
113	Live	Story3	B97	Force	Gravity	Relative	0	1	0	5.8
114	Live	Story3	B98	Force	Gravity	Relative	0	1	0	5.8
141	Live	Story3	B119	Force	Gravity	Relative	0	1	0	5.8
142	Live	Story3	B120	Force	Gravity	Relative	0	1	0	5.8
143	Live	Story3	B121	Force	Gravity	Relative	0	1	0	5.8
144	Live	Story3	B122	Force	Gravity	Relative	0	1	0	5.8
145	Live	Story3	B123	Force	Gravity	Relative	0	1	0	5.8
146	Live	Story3	B124	Force	Gravity	Relative	0	1	0	5.8
147	Live	Story3	B125	Force	Gravity	Relative	0	1	0	5.8
148	Live	Story3	B126	Force	Gravity	Relative	0	1	0	5.8
149	Live	Story3	B127	Force	Gravity	Relative	0	1	0	5.8
150	Live	Story3	B128	Force	Gravity	Relative	0	1	0	5.8
151	Live	Story3	B129	Force	Gravity	Relative	0	1	0	5.8
152	Live	Story3	B130	Force	Gravity	Relative	0	1	0	5.8
153	Live	Story3	B131	Force	Gravity	Relative	0	1	0	5.8
154	Live	Story3	B132	Force	Gravity	Relative	0	1	0	5.8
155	Live	Story3	B133	Force	Gravity	Relative	0	1	0	5.8
156	Live	Story3	B134	Force	Gravity	Relative	0	1	0	5.8
157	Live	Story3	B135	Force	Gravity	Relative	0	1	0	5.8
158	Live	Story3	B136	Force	Gravity	Relative	0	1	0	5.8
159	Live	Story3	B137	Force	Gravity	Relative	0	1	0	5.8
186	Live	Story3	B158	Force	Gravity	Relative	0	1	0	5.8
187	Live	Story3	B159	Force	Gravity	Relative	0	1	0	5.8
188	Live	Story3	B160	Force	Gravity	Relative	0	1	0	5.8
189	Live	Story3	B161	Force	Gravity	Relative	0	1	0	5.8
190	Live	Story3	B162	Force	Gravity	Relative	0	1	0	5.8
191	Live	Story3	B163	Force	Gravity	Relative	0	1	0	5.8
192	Live	Story3	B164	Force	Gravity	Relative	0	1	0	5.8
193	Live	Story3	B165	Force	Gravity	Relative	0	1	0	5.8
194	Live	Story3	B166	Force	Gravity	Relative	0	1	0	5.8
195	Live	Story3	B167	Force	Gravity	Relative	0	1	0	5.8
196	Live	Story3	B168	Force	Gravity	Relative	0	1	0	5.8
197	Live	Story3	B169	Force	Gravity	Relative	0	1	0	5.8
198	Live	Story3	B170	Force	Gravity	Relative	0	1	0	5.8
199	Live	Story3	B171	Force	Gravity	Relative	0	1	0	5.8
200	Live	Story3	B172	Force	Gravity	Relative	0	1	0	5.8

Table 4.2 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m	Absolute Distance B m
201	Live	Story3	B173	Force	Gravity	Relative	0	1	0	5.8
202	Live	Story3	B174	Force	Gravity	Relative	0	1	0	5.8
203	Live	Story3	B175	Force	Gravity	Relative	0	1	0	5.8
204	Live	Story3	B176	Force	Gravity	Relative	0	1	0	5.8
231	Live	Story3	B197	Force	Gravity	Relative	0	1	0	5.8
232	Live	Story3	B198	Force	Gravity	Relative	0	1	0	5.8
233	Live	Story3	B199	Force	Gravity	Relative	0	1	0	5.8
234	Live	Story3	B200	Force	Gravity	Relative	0	1	0	5.8
235	Live	Story3	B201	Force	Gravity	Relative	0	1	0	5.8
236	Live	Story3	B202	Force	Gravity	Relative	0	1	0	5.8
237	Live	Story3	B203	Force	Gravity	Relative	0	1	0	5.8
238	Live	Story3	B204	Force	Gravity	Relative	0	1	0	5.8
239	Live	Story3	B205	Force	Gravity	Relative	0	1	0	5.8
240	Live	Story3	B206	Force	Gravity	Relative	0	1	0	5.8
241	Live	Story3	B207	Force	Gravity	Relative	0	1	0	5.8
242	Live	Story3	B208	Force	Gravity	Relative	0	1	0	5.8
243	Live	Story3	B209	Force	Gravity	Relative	0	1	0	5.8
244	Live	Story3	B210	Force	Gravity	Relative	0	1	0	5.8
245	Live	Story3	B211	Force	Gravity	Relative	0	1	0	5.8
246	Live	Story3	B212	Force	Gravity	Relative	0	1	0	5.8
247	Live	Story3	B213	Force	Gravity	Relative	0	1	0	5.8
248	Live	Story3	B221	Force	Gravity	Relative	0	1	0	5.8
249	Live	Story3	B222	Force	Gravity	Relative	0	1	0	5.8
5	Live	Story2	B1	Force	Gravity	Relative	0	1	0	5.8
25	Live	Story2	B21	Force	Gravity	Relative	0	1	0	5.8
50	Live	Story2	B40	Force	Gravity	Relative	0	1	0	5.8
70	Live	Story2	B60	Force	Gravity	Relative	0	1	0	5.8
95	Live	Story2	B79	Force	Gravity	Relative	0	1	0	5.8
115	Live	Story2	B99	Force	Gravity	Relative	0	1	0	5.8
140	Live	Story2	B118	Force	Gravity	Relative	0	1	0	5.8
160	Live	Story2	B138	Force	Gravity	Relative	0	1	0	5.8
185	Live	Story2	B157	Force	Gravity	Relative	0	1	0	5.8
205	Live	Story2	B177	Force	Gravity	Relative	0	1	0	5.8
230	Live	Story2	B196	Force	Gravity	Relative	0	1	0	5.8
250	Live	Story2	B223	Force	Gravity	Relative	0	1	0	5.8

Table 4.2 - Frame Loads Assignments - Distributed (Part 2 of 2)

UniqueName	Load Pattern	Force A tonf/m	Force B tonf/m
6	Dead	0.036	0.036
7	Dead	0.036	0.036
8	Dead	0.036	0.036
9	Dead	0.036	0.036

Table 4.2 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Force A tonf/m	Force B tonf/m
10	Dead	0.036	0.036
11	Dead	0.036	0.036
12	Dead	0.036	0.036
13	Dead	0.036	0.036
14	Dead	0.036	0.036
15	Dead	0.036	0.036
16	Dead	0.036	0.036
17	Dead	0.036	0.036
18	Dead	0.036	0.036
19	Dead	0.036	0.036
20	Dead	0.036	0.036
21	Dead	0.036	0.036
22	Dead	0.036	0.036
23	Dead	0.036	0.036
24	Dead	0.036	0.036
51	Dead	0.036	0.036
52	Dead	0.036	0.036
53	Dead	0.036	0.036
54	Dead	0.036	0.036
55	Dead	0.036	0.036
56	Dead	0.036	0.036
57	Dead	0.036	0.036
58	Dead	0.036	0.036
59	Dead	0.036	0.036
60	Dead	0.036	0.036
61	Dead	0.036	0.036
62	Dead	0.036	0.036
63	Dead	0.036	0.036
64	Dead	0.036	0.036
65	Dead	0.036	0.036
66	Dead	0.036	0.036
67	Dead	0.036	0.036
68	Dead	0.036	0.036
69	Dead	0.036	0.036
96	Dead	0.036	0.036
97	Dead	0.036	0.036
98	Dead	0.036	0.036
99	Dead	0.036	0.036
100	Dead	0.036	0.036
101	Dead	0.036	0.036
102	Dead	0.036	0.036
103	Dead	0.036	0.036
104	Dead	0.036	0.036
105	Dead	0.036	0.036

Table 4.2 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Force A tonf/m	Force B tonf/m
106	Dead	0.036	0.036
107	Dead	0.036	0.036
108	Dead	0.036	0.036
109	Dead	0.036	0.036
110	Dead	0.036	0.036
111	Dead	0.036	0.036
112	Dead	0.036	0.036
113	Dead	0.036	0.036
114	Dead	0.036	0.036
141	Dead	0.036	0.036
142	Dead	0.036	0.036
143	Dead	0.036	0.036
144	Dead	0.036	0.036
145	Dead	0.036	0.036
146	Dead	0.036	0.036
147	Dead	0.036	0.036
148	Dead	0.036	0.036
149	Dead	0.036	0.036
150	Dead	0.036	0.036
151	Dead	0.036	0.036
152	Dead	0.036	0.036
153	Dead	0.036	0.036
154	Dead	0.036	0.036
155	Dead	0.036	0.036
156	Dead	0.036	0.036
157	Dead	0.036	0.036
158	Dead	0.036	0.036
159	Dead	0.036	0.036
186	Dead	0.036	0.036
187	Dead	0.036	0.036
188	Dead	0.036	0.036
189	Dead	0.036	0.036
190	Dead	0.036	0.036
191	Dead	0.036	0.036
192	Dead	0.036	0.036
193	Dead	0.036	0.036
194	Dead	0.036	0.036
195	Dead	0.036	0.036
196	Dead	0.036	0.036
197	Dead	0.036	0.036
198	Dead	0.036	0.036
199	Dead	0.036	0.036
200	Dead	0.036	0.036
201	Dead	0.036	0.036

Table 4.2 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Force A tonf/m	Force B tonf/m
202	Dead	0.036	0.036
203	Dead	0.036	0.036
204	Dead	0.036	0.036
231	Dead	0.036	0.036
232	Dead	0.036	0.036
233	Dead	0.036	0.036
234	Dead	0.036	0.036
235	Dead	0.036	0.036
236	Dead	0.036	0.036
237	Dead	0.036	0.036
238	Dead	0.036	0.036
239	Dead	0.036	0.036
240	Dead	0.036	0.036
241	Dead	0.036	0.036
242	Dead	0.036	0.036
243	Dead	0.036	0.036
244	Dead	0.036	0.036
245	Dead	0.036	0.036
246	Dead	0.036	0.036
247	Dead	0.036	0.036
248	Dead	0.036	0.036
249	Dead	0.036	0.036
5	Dead	0.036	0.036
25	Dead	0.036	0.036
50	Dead	0.036	0.036
70	Dead	0.036	0.036
95	Dead	0.036	0.036
115	Dead	0.036	0.036
140	Dead	0.036	0.036
160	Dead	0.036	0.036
185	Dead	0.036	0.036
205	Dead	0.036	0.036
230	Dead	0.036	0.036
250	Dead	0.036	0.036
6	Live	0.09	0.09
7	Live	0.09	0.09
8	Live	0.09	0.09
9	Live	0.09	0.09
10	Live	0.09	0.09
11	Live	0.09	0.09
12	Live	0.09	0.09
13	Live	0.09	0.09
14	Live	0.09	0.09
15	Live	0.09	0.09

Table 4.2 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Force A tonf/m	Force B tonf/m
16	Live	0.09	0.09
17	Live	0.09	0.09
18	Live	0.09	0.09
19	Live	0.09	0.09
20	Live	0.09	0.09
21	Live	0.09	0.09
22	Live	0.09	0.09
23	Live	0.09	0.09
24	Live	0.09	0.09
51	Live	0.09	0.09
52	Live	0.09	0.09
53	Live	0.09	0.09
54	Live	0.09	0.09
55	Live	0.09	0.09
56	Live	0.09	0.09
57	Live	0.09	0.09
58	Live	0.09	0.09
59	Live	0.09	0.09
60	Live	0.09	0.09
61	Live	0.09	0.09
62	Live	0.09	0.09
63	Live	0.09	0.09
64	Live	0.09	0.09
65	Live	0.09	0.09
66	Live	0.09	0.09
67	Live	0.09	0.09
68	Live	0.09	0.09
69	Live	0.09	0.09
96	Live	0.09	0.09
97	Live	0.09	0.09
98	Live	0.09	0.09
99	Live	0.09	0.09
100	Live	0.09	0.09
101	Live	0.09	0.09
102	Live	0.09	0.09
103	Live	0.09	0.09
104	Live	0.09	0.09
105	Live	0.09	0.09
106	Live	0.09	0.09
107	Live	0.09	0.09
108	Live	0.09	0.09
109	Live	0.09	0.09
110	Live	0.09	0.09
111	Live	0.09	0.09

Table 4.2 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Force A tonf/m	Force B tonf/m
112	Live	0.09	0.09
113	Live	0.09	0.09
114	Live	0.09	0.09
141	Live	0.09	0.09
142	Live	0.09	0.09
143	Live	0.09	0.09
144	Live	0.09	0.09
145	Live	0.09	0.09
146	Live	0.09	0.09
147	Live	0.09	0.09
148	Live	0.09	0.09
149	Live	0.09	0.09
150	Live	0.09	0.09
151	Live	0.09	0.09
152	Live	0.09	0.09
153	Live	0.09	0.09
154	Live	0.09	0.09
155	Live	0.09	0.09
156	Live	0.09	0.09
157	Live	0.09	0.09
158	Live	0.09	0.09
159	Live	0.09	0.09
186	Live	0.09	0.09
187	Live	0.09	0.09
188	Live	0.09	0.09
189	Live	0.09	0.09
190	Live	0.09	0.09
191	Live	0.09	0.09
192	Live	0.09	0.09
193	Live	0.09	0.09
194	Live	0.09	0.09
195	Live	0.09	0.09
196	Live	0.09	0.09
197	Live	0.09	0.09
198	Live	0.09	0.09
199	Live	0.09	0.09
200	Live	0.09	0.09
201	Live	0.09	0.09
202	Live	0.09	0.09
203	Live	0.09	0.09
204	Live	0.09	0.09
231	Live	0.09	0.09
232	Live	0.09	0.09
233	Live	0.09	0.09

Table 4.2 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Force A tonf/m	Force B tonf/m
234	Live	0.09	0.09
235	Live	0.09	0.09
236	Live	0.09	0.09
237	Live	0.09	0.09
238	Live	0.09	0.09
239	Live	0.09	0.09
240	Live	0.09	0.09
241	Live	0.09	0.09
242	Live	0.09	0.09
243	Live	0.09	0.09
244	Live	0.09	0.09
245	Live	0.09	0.09
246	Live	0.09	0.09
247	Live	0.09	0.09
248	Live	0.09	0.09
249	Live	0.09	0.09
5	Live	0.09	0.09
25	Live	0.09	0.09
50	Live	0.09	0.09
70	Live	0.09	0.09
95	Live	0.09	0.09
115	Live	0.09	0.09
140	Live	0.09	0.09
160	Live	0.09	0.09
185	Live	0.09	0.09
205	Live	0.09	0.09
230	Live	0.09	0.09
250	Live	0.09	0.09

4.4 Load Cases

Table 4.3 - Load Case Definitions - Summary

Name	Type
Dead	Linear Static
Live	Linear Static
Modal	Modal - Eigen
Sism o	Linear Static

4.5 Load Combinations

Table 4.4 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
DConS1	Linear Add	Yes	Dead	1.4	Dead [Strength]
DConS2	Linear Add	Yes	Dead	1.2	Dead + Live [Strength]
DConS2			Live	1.6	
DConS3	Linear Add	Yes	Dead	1.3	Dead + Live + Static Earthquake [Strength]
DConS3			Live	1	
DConS3			Sism o	1	
DConS4	Linear Add	Yes	Dead	1.3	Dead + Live - Static Earthquake [Strength]
DConS4			Live	1	
DConS4			Sism o	-1	
DConS5	Linear Add	Yes	Dead	0.8	Dead (min) + Static Earthquake [Strength]
DConS5			Sism o	1	
DConS6	Linear Add	Yes	Dead	0.8	Dead (min) - Static Earthquake [Strength]
DConS6			Sism o	-1	
DStlD1	Linear Add	Yes	Dead	1	Dead [Deflections]
DStlD2	Linear Add	Yes	Dead	1	Dead + Live [Deflections]
DStlD2			Live	1	
DStlS1	Linear Add	Yes	Dead	1.4	Dead [Strength]
DStlS2	Linear Add	Yes	Dead	1.2	Dead + Live [Strength]
DStlS2			Live	1.6	
DStlS3	Linear Add	Yes	Dead	1.428	Dead + Live + Static Earthquake [Strength]
DStlS3			Live	1	
DStlS3			Sism o	1	
DStlS4	Linear Add	Yes	Dead	1.428	Dead + Live - Static Earthquake [Strength]
DStlS4			Live	1	
DStlS4			Sism o	-1	
DStlS5	Linear Add	Yes	Dead	0.672	Dead (min) + Static Earthquake [Strength]
DStlS5			Sism o	1	
DStlS6	Linear Add	Yes	Dead	0.672	Dead (min) - Static Earthquake [Strength]
DStlS6			Sism o	-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 tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
Dead	LinStatic		0	0	54.4343	653.2113	-947.7951	0	0	0	0
Live	LinStatic		0	0	65.772	789.264	-1144.4328	0	0	0	0
Sism o	LinStatic	Max	0	0	0	77.503	0	17.6837	0	0	0
Sism o	LinStatic	Min	-1.4736	-11.124	0	0	-10.2671	-193.7681	0	0	0
DConS1	Combination		0	0	76.208	914.4958	-1326.9131	0	0	0	0
DConS2	Combination		0	0	170.5563	2046.6759	-2968.4466	0	0	0	0
DConS3	Combination	Max	0	0	136.5366	1715.9417	-2376.5664	17.6837	0	0	0
DConS3	Combination	Min	-1.4736	-11.124	136.5366	1638.4387	-2386.8335	-193.7681	0	0	0
DConS4	Combination	Max	1.4736	11.124	136.5366	1638.4387	-2366.2993	193.7681	0	0	0
DConS4	Combination	Min	0	0	136.5366	1560.9356	-2376.5664	-17.6837	0	0	0
DConS5	Combination	Max	0	0	43.5474	600.072	-758.2361	17.6837	0	0	0
DConS5	Combination	Min	-1.4736	-11.124	43.5474	522.569	-768.5032	-193.7681	0	0	0
DConS6	Combination	Max	1.4736	11.124	43.5474	522.569	-747.9689	193.7681	0	0	0
DConS6	Combination	Min	0	0	43.5474	445.066	-758.2361	-17.6837	0	0	0
DStIS1	Combination		0	0	76.208	914.4958	-1326.9131	0	0	0	0
DStIS2	Combination		0	0	170.5563	2046.6759	-2968.4466	0	0	0	0
DStIS3	Combination	Max	0	0	143.5041	1799.5527	-2497.8842	17.6837	0	0	0
DStIS3	Combination	Min	-1.4736	-11.124	143.5041	1722.0497	-2508.1513	-193.7681	0	0	0
DStIS4	Combination	Max	1.4736	11.124	143.5041	1722.0497	-2487.6171	193.7681	0	0	0
DStIS4	Combination	Min	0	0	143.5041	1644.5467	-2497.8842	-17.6837	0	0	0
DStIS5	Combination	Max	0	0	36.5798	516.461	-636.9183	17.6837	0	0	0
DStIS5	Combination	Min	-1.4736	-11.124	36.5798	438.958	-647.1854	-193.7681	0	0	0
DStIS6	Combination	Max	1.4736	11.124	36.5798	438.958	-626.6512	193.7681	0	0	0
DStIS6	Combination	Min	0	0	36.5798	361.455	-636.9183	-17.6837	0	0	0
DStID1	Combination		0	0	54.4343	653.2113	-947.7951	0	0	0	0
DStID2	Combination		0	0	120.2063	1442.4753	-2092.2279	0	0	0	0

5.2 Story Results

Table 5.2 - Story Drifts

Story	Output Case	Case Type	Step Type	Direction	Drift	Drift/	Label	X m	Y m	Z m
Story2	Dead	LinStatic		X	2E-06	1/470460	253	5.8	0	6
Story2	Live	LinStatic		X	5E-06	1/182936	254	5.8	24	6
Story2	Sism o	LinStatic	Max	Y	0.000516	1/1937	26	17.4	24	6
Story2	Sism o	LinStatic	Min	Y	4E-06	1/251348	1	0	0	6
Story2	DConS1	Combination		X	3E-06	1/336043	253	5.8	0	6
Story2	DConS2	Combination		X	1.1E-05	1/88520	254	5.8	24	6
Story2	DConS3	Combination	Max	Y	0.002622	1/381	47	23.2	24	6
Story2	DConS3	Combination	Min	X	8E-06	1/120515	254	5.8	24	6
Story2	DConS4	Combination	Max	X	8E-06	1/120515	253	5.8	0	6

Table 5.2 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Drift/	Label	X m	Y m	Z m
Story2	DConS4	Combination	Min	Y	0.002622	1/381	46	23.2	0	6
Story2	DConS5	Combination	Max	Y	0.001064	1/940	47	23.2	24	6
Story2	DConS5	Combination	Min	X	2E-06	1/565440	254	5.8	24	6
Story2	DConS6	Combination	Max	X	2E-06	1/565440	253	5.8	0	6
Story2	DConS6	Combination	Min	Y	0.001064	1/940	46	23.2	0	6
Story2	DStlS1	Combination		X	3E-06	1/336043	253	5.8	0	6
Story2	DStlS2	Combination		X	1.1E-05	1/88520	254	5.8	24	6
Story2	DStlS3	Combination	Max	Y	0.00271	1/369	47	23.2	24	6
Story2	DStlS3	Combination	Min	X	9E-06	1/116689	254	5.8	24	6
Story2	DStlS4	Combination	Max	X	9E-06	1/116689	253	5.8	0	6
Story2	DStlS4	Combination	Min	Y	0.00271	1/369	46	23.2	0	6
Story2	DStlS5	Combination	Max	Y	0.000977	1/1024	47	23.2	24	6
Story2	DStlS5	Combination	Min	X	1E-06	1/668244	254	5.8	24	6
Story2	DStlS6	Combination	Max	X	1E-06	1/668244	253	5.8	0	6
Story2	DStlS6	Combination	Min	Y	0.000977	1/1024	46	23.2	0	6
Story2	DStlD1	Combination		X	2E-06	1/470460	253	5.8	0	6
Story2	DStlD2	Combination		X	8E-06	1/131718	254	5.8	24	6
Story1	Dead	LinStatic		X	4E-06	1/266530	90	34.8	24	1
Story1	Live	LinStatic		X	5E-06	1/199727	90	34.8	24	1
Story1	Sism o	LinStatic	Max	Y	6.4E-05	1/15720	26	17.4	24	1
Story1	Sism o	LinStatic	Min	X	2E-06	1/443451	4	11.6	0	1
Story1	DConS1	Combination		X	5E-06	1/190379	90	34.8	24	1
Story1	DConS2	Combination		X	1.3E-05	1/79915	90	34.8	24	1
Story1	DConS3	Combination	Max	Y	0.000514	1/1947	26	17.4	24	1
Story1	DConS3	Combination	Min	X	1E-05	1/99754	90	34.8	24	1
Story1	DConS4	Combination	Max	X	1E-05	1/99754	89	34.8	0	1
Story1	DConS4	Combination	Min	Y	0.000514	1/1947	25	17.4	0	1
Story1	DConS5	Combination	Max	Y	0.000181	1/5533	26	17.4	24	1
Story1	DConS5	Combination	Min	X	3E-06	1/318283	90	34.8	24	1
Story1	DConS6	Combination	Max	X	3E-06	1/318283	89	34.8	0	1
Story1	DConS6	Combination	Min	Y	0.000181	1/5533	25	17.4	0	1
Story1	DStlS1	Combination		X	5E-06	1/190379	90	34.8	24	1
Story1	DStlS2	Combination		X	1.3E-05	1/79915	90	34.8	24	1
Story1	DStlS3	Combination	Max	Y	0.000532	1/1879	26	17.4	24	1
Story1	DStlS3	Combination	Min	X	1.1E-05	1/95194	90	34.8	24	1
Story1	DStlS4	Combination	Max	X	1.1E-05	1/95194	89	34.8	0	1
Story1	DStlS4	Combination	Min	Y	0.000532	1/1879	25	17.4	0	1
Story1	DStlS5	Combination	Max	Y	0.000162	1/6173	26	17.4	24	1
Story1	DStlS5	Combination	Min	X	3E-06	1/375712	90	34.8	24	1
Story1	DStlS6	Combination	Max	X	3E-06	1/375712	89	34.8	0	1
Story1	DStlS6	Combination	Min	Y	0.000162	1/6173	25	17.4	0	1
Story1	DStlD1	Combination		X	4E-06	1/266530	90	34.8	24	1
Story1	DStlD2	Combination		X	9E-06	1/114172	90	34.8	24	1

Table 5.3 - Story Forces

Story	Output Case	Case Type	Step Type	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story3	Dead	LinStatic		Top	1.3775	0	0	0	16.5302	-23.9688
Story3	Dead	LinStatic		Bottom	35.3378	0	0	0	424.0533	-614.8773
Story3	Live	LinStatic		Top	3.132	0	0	0	37.584	-54.4968
Story3	Live	LinStatic		Bottom	59.508	0	0	0	714.096	-1035.4392
Story3	Sism o	LinStatic	Max	Top	0	0	0	9.6771	0	0
Story3	Sism o	LinStatic	Max	Bottom	0	0	0	9.6771	14.6098	0
Story3	Sism o	LinStatic	Min	Top	0	-0.8064	-6.0874	-105.9211	0	0
Story3	Sism o	LinStatic	Min	Bottom	0	-0.8064	-6.0874	-105.9211	0	-1.9354
Story3	DConS1	Combination		Top	1.9285	0	0	0	23.1423	-33.5563
Story3	DConS1	Combination		Bottom	49.4729	0	0	0	593.6746	-860.8282
Story3	DConS2	Combination		Top	6.6642	0	0	0	79.9707	-115.9574
Story3	DConS2	Combination		Bottom	137.6181	0	0	0	1651.4176	-2394.5555
Story3	DConS3	Combination	Max	Top	4.9228	0	0	9.6771	59.0733	-85.6562
Story3	DConS3	Combination	Max	Bottom	105.4471	0	0	9.6771	1279.9751	-1834.7797
Story3	DConS3	Combination	Min	Top	4.9228	-0.8064	-6.0874	-105.9211	59.0733	-85.6562
Story3	DConS3	Combination	Min	Bottom	105.4471	-0.8064	-6.0874	-105.9211	1265.3653	-1836.7151
Story3	DConS4	Combination	Max	Top	4.9228	0.8064	6.0874	105.9211	59.0733	-85.6562
Story3	DConS4	Combination	Max	Bottom	105.4471	0.8064	6.0874	105.9211	1265.3653	-1832.8443
Story3	DConS4	Combination	Min	Top	4.9228	0	0	-9.6771	59.0733	-85.6562
Story3	DConS4	Combination	Min	Bottom	105.4471	0	0	-9.6771	1250.7555	-1834.7797
Story3	DConS5	Combination	Max	Top	1.102	0	0	9.6771	13.2242	-19.175
Story3	DConS5	Combination	Max	Bottom	28.2702	0	0	9.6771	353.8525	-491.9018
Story3	DConS5	Combination	Min	Top	1.102	-0.8064	-6.0874	-105.9211	13.2242	-19.175
Story3	DConS5	Combination	Min	Bottom	28.2702	-0.8064	-6.0874	-105.9211	339.2427	-493.8373
Story3	DConS6	Combination	Max	Top	1.102	0.8064	6.0874	105.9211	13.2242	-19.175
Story3	DConS6	Combination	Max	Bottom	28.2702	0.8064	6.0874	105.9211	339.2427	-489.9664
Story3	DConS6	Combination	Min	Top	1.102	0	0	-9.6771	13.2242	-19.175
Story3	DConS6	Combination	Min	Bottom	28.2702	0	0	-9.6771	324.6328	-491.9018
Story3	DStlS1	Combination		Top	1.9285	0	0	0	23.1423	-33.5563
Story3	DStlS1	Combination		Bottom	49.4729	0	0	0	593.6746	-860.8282
Story3	DStlS2	Combination		Top	6.6642	0	0	0	79.9707	-115.9574
Story3	DStlS2	Combination		Bottom	137.6181	0	0	0	1651.4176	-2394.5555
Story3	DStlS3	Combination	Max	Top	5.0991	0	0	9.6771	61.1891	-88.7243
Story3	DStlS3	Combination	Max	Bottom	109.9703	0	0	9.6771	1334.2539	-1913.484
Story3	DStlS3	Combination	Min	Top	5.0991	-0.8064	-6.0874	-105.9211	61.1891	-88.7243
Story3	DStlS3	Combination	Min	Bottom	109.9703	-0.8064	-6.0874	-105.9211	1319.6441	-1915.4194
Story3	DStlS4	Combination	Max	Top	5.0991	0.8064	6.0874	105.9211	61.1891	-88.7243
Story3	DStlS4	Combination	Max	Bottom	109.9703	0.8064	6.0874	105.9211	1319.6441	-1911.5486
Story3	DStlS4	Combination	Min	Top	5.0991	0	0	-9.6771	61.1891	-88.7243
Story3	DStlS4	Combination	Min	Bottom	109.9703	0	0	-9.6771	1305.0343	-1913.484
Story3	DStlS5	Combination	Max	Top	0.9257	0	0	9.6771	11.1083	-16.107
Story3	DStlS5	Combination	Max	Bottom	23.747	0	0	9.6771	299.5736	-413.1975
Story3	DStlS5	Combination	Min	Top	0.9257	-0.8064	-6.0874	-105.9211	11.1083	-16.107
Story3	DStlS5	Combination	Min	Bottom	23.747	-0.8064	-6.0874	-105.9211	284.9638	-415.133
Story3	DStlS6	Combination	Max	Top	0.9257	0.8064	6.0874	105.9211	11.1083	-16.107

Table 5.3 - Story Forces (continued)

Story	Output Case	Case Type	Step Type	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story3	DStIS6	Combination	Max	Bottom	23.747	0.8064	6.0874	105.9211	284.9638	-411.2621
Story3	DStIS6	Combination	Min	Top	0.9257	0	0	-9.6771	11.1083	-16.107
Story3	DStIS6	Combination	Min	Bottom	23.747	0	0	-9.6771	270.354	-413.1975
Story3	DStID1	Combination		Top	1.3775	0	0	0	16.5302	-23.9688
Story3	DStID1	Combination		Bottom	35.3378	0	0	0	424.0533	-614.8773
Story3	DStID2	Combination		Top	4.5095	0	0	0	54.1142	-78.4656
Story3	DStID2	Combination		Bottom	94.8458	0	0	0	1138.1493	-1650.3165
Story2	Dead	LinStatic		Top	38.0838	0	0	0	457.0054	-662.6578
Story2	Dead	LinStatic		Bottom	45.0154	0	0	0	540.185	-783.907
Story2	Live	LinStatic		Top	65.772	0	0	0	789.264	-1144.4328
Story2	Live	LinStatic		Bottom	65.772	0	0	0	789.264	-1144.4328
Story2	Sism o	LinStatic	Max	Top	0	0	0	16.4594	14.6098	0
Story2	Sism o	LinStatic	Max	Bottom	0	0	0	16.4594	66.379	0
Story2	Sism o	LinStatic	Min	Top	0	-1.3716	-10.3538	-180.3374	0	-1.9354
Story2	Sism o	LinStatic	Min	Bottom	0	-1.3716	-10.3538	-180.3374	0	-8.7935
Story2	DConS1	Combination		Top	53.3173	0	0	0	639.8075	-927.7209
Story2	DConS1	Combination		Bottom	63.0216	0	0	0	756.259	-1097.4698
Story2	DConS2	Combination		Top	150.9357	0	0	0	1811.2288	-2626.2818
Story2	DConS2	Combination		Bottom	159.2537	0	0	0	1911.0444	-2771.7808
Story2	DConS3	Combination	Max	Top	115.2809	0	0	16.4594	1397.9808	-2005.8879
Story2	DConS3	Combination	Max	Bottom	124.292	0	0	16.4594	1557.8835	-2163.5119
Story2	DConS3	Combination	Min	Top	115.2809	-1.3716	-10.3538	-180.3374	1383.371	-2007.8233
Story2	DConS3	Combination	Min	Bottom	124.292	-1.3716	-10.3538	-180.3374	1491.5045	-2172.3054
Story2	DConS4	Combination	Max	Top	115.2809	1.3716	10.3538	180.3374	1383.371	-2003.9525
Story2	DConS4	Combination	Max	Bottom	124.292	1.3716	10.3538	180.3374	1491.5045	-2154.7184
Story2	DConS4	Combination	Min	Top	115.2809	0	0	-16.4594	1368.7612	-2005.8879
Story2	DConS4	Combination	Min	Bottom	124.292	0	0	-16.4594	1425.1255	-2163.5119
Story2	DConS5	Combination	Max	Top	30.467	0	0	16.4594	380.2141	-530.1262
Story2	DConS5	Combination	Max	Bottom	36.0123	0	0	16.4594	498.527	-627.1256
Story2	DConS5	Combination	Min	Top	30.467	-1.3716	-10.3538	-180.3374	365.6043	-532.0616
Story2	DConS5	Combination	Min	Bottom	36.0123	-1.3716	-10.3538	-180.3374	432.148	-635.9191
Story2	DConS6	Combination	Max	Top	30.467	1.3716	10.3538	180.3374	365.6043	-528.1908
Story2	DConS6	Combination	Max	Bottom	36.0123	1.3716	10.3538	180.3374	432.148	-618.3321
Story2	DConS6	Combination	Min	Top	30.467	0	0	-16.4594	350.9945	-530.1262
Story2	DConS6	Combination	Min	Bottom	36.0123	0	0	-16.4594	365.769	-627.1256
Story2	DStIS1	Combination		Top	53.3173	0	0	0	639.8075	-927.7209
Story2	DStIS1	Combination		Bottom	63.0216	0	0	0	756.259	-1097.4698
Story2	DStIS2	Combination		Top	150.9357	0	0	0	1811.2288	-2626.2818
Story2	DStIS2	Combination		Bottom	159.2537	0	0	0	1911.0444	-2771.7808
Story2	DStIS3	Combination	Max	Top	120.1556	0	0	16.4594	1456.4775	-2090.7081
Story2	DStIS3	Combination	Max	Bottom	130.054	0	0	16.4594	1627.0272	-2263.852
Story2	DStIS3	Combination	Min	Top	120.1556	-1.3716	-10.3538	-180.3374	1441.8677	-2092.6435
Story2	DStIS3	Combination	Min	Bottom	130.054	-1.3716	-10.3538	-180.3374	1560.6482	-2272.6454
Story2	DStIS4	Combination	Max	Top	120.1556	1.3716	10.3538	180.3374	1441.8677	-2088.7727

Table 5.3 - Story Forces (continued)

Story	Output Case	Case Type	Step Type	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	DStIS4	Combination	Max	Bottom	130.054	1.3716	10.3538	180.3374	1560.6482	-2255.0585
Story2	DStIS4	Combination	Min	Top	120.1556	0	0	-16.4594	1427.2578	-2090.7081
Story2	DStIS4	Combination	Min	Bottom	130.054	0	0	-16.4594	1494.2691	-2263.852
Story2	DStIS5	Combination	Max	Top	25.5923	0	0	16.4594	321.7174	-445.306
Story2	DStIS5	Combination	Max	Bottom	30.2504	0	0	16.4594	429.3833	-526.7855
Story2	DStIS5	Combination	Min	Top	25.5923	-1.3716	-10.3538	-180.3374	307.1076	-447.2414
Story2	DStIS5	Combination	Min	Bottom	30.2504	-1.3716	-10.3538	-180.3374	363.0043	-535.579
Story2	DStIS6	Combination	Max	Top	25.5923	1.3716	10.3538	180.3374	307.1076	-443.3706
Story2	DStIS6	Combination	Max	Bottom	30.2504	1.3716	10.3538	180.3374	363.0043	-517.992
Story2	DStIS6	Combination	Min	Top	25.5923	0	0	-16.4594	292.4978	-445.306
Story2	DStIS6	Combination	Min	Bottom	30.2504	0	0	-16.4594	296.6253	-526.7855
Story2	DStID1	Combination		Top	38.0838	0	0	0	457.0054	-662.6578
Story2	DStID1	Combination		Bottom	45.0154	0	0	0	540.185	-783.907
Story2	DStID2	Combination		Top	103.8558	0	0	0	1246.2694	-1807.0906
Story2	DStID2	Combination		Bottom	110.7874	0	0	0	1329.449	-1928.3398
Story1	Dead	LinStatic		Top	45.0154	0	0	0	540.185	-783.907
Story1	Dead	LinStatic		Bottom	54.4343	0	0	0	653.2113	-947.7951
Story1	Live	LinStatic		Top	65.772	0	0	0	789.264	-1144.4328
Story1	Live	LinStatic		Bottom	65.772	0	0	0	789.264	-1144.4328
Story1	Sism o	LinStatic	Max	Top	0	0	0	17.6837	66.379	0
Story1	Sism o	LinStatic	Max	Bottom	0	0	0	17.6837	77.503	0
Story1	Sism o	LinStatic	Min	Top	0	-1.4736	-11.124	-193.7681	0	-8.7935
Story1	Sism o	LinStatic	Min	Bottom	0	-1.4736	-11.124	-193.7681	0	-10.2671
Story1	DConS1	Combination		Top	63.0216	0	0	0	756.259	-1097.4698
Story1	DConS1	Combination		Bottom	76.208	0	0	0	914.4958	-1326.9131
Story1	DConS2	Combination		Top	159.2537	0	0	0	1911.0444	-2771.7808
Story1	DConS2	Combination		Bottom	170.5563	0	0	0	2046.6759	-2968.4466
Story1	DConS3	Combination	Max	Top	124.292	0	0	17.6837	1557.8835	-2163.5119
Story1	DConS3	Combination	Max	Bottom	136.5366	0	0	17.6837	1715.9417	-2376.5664
Story1	DConS3	Combination	Min	Top	124.292	-1.4736	-11.124	-193.7681	1491.5045	-2172.3054
Story1	DConS3	Combination	Min	Bottom	136.5366	-1.4736	-11.124	-193.7681	1638.4387	-2386.8335
Story1	DConS4	Combination	Max	Top	124.292	1.4736	11.124	193.7681	1491.5045	-2154.7184
Story1	DConS4	Combination	Max	Bottom	136.5366	1.4736	11.124	193.7681	1638.4387	-2366.2993
Story1	DConS4	Combination	Min	Top	124.292	0	0	-17.6837	1425.1255	-2163.5119
Story1	DConS4	Combination	Min	Bottom	136.5366	0	0	-17.6837	1560.9356	-2376.5664
Story1	DConS5	Combination	Max	Top	36.0123	0	0	17.6837	498.527	-627.1256
Story1	DConS5	Combination	Max	Bottom	43.5474	0	0	17.6837	600.072	-758.2361
Story1	DConS5	Combination	Min	Top	36.0123	-1.4736	-11.124	-193.7681	432.148	-635.9191
Story1	DConS5	Combination	Min	Bottom	43.5474	-1.4736	-11.124	-193.7681	522.569	-768.5032
Story1	DConS6	Combination	Max	Top	36.0123	1.4736	11.124	193.7681	432.148	-618.3321
Story1	DConS6	Combination	Max	Bottom	43.5474	1.4736	11.124	193.7681	522.569	-747.9689
Story1	DConS6	Combination	Min	Top	36.0123	0	0	-17.6837	365.769	-627.1256
Story1	DConS6	Combination	Min	Bottom	43.5474	0	0	-17.6837	445.066	-758.2361
Story1	DStIS1	Combination		Top	63.0216	0	0	0	756.259	-1097.4698

Table 5.3 - Story Forces (continued)

Story	Output Case	Case Type	Step Type	Location	P tonf	VX tonf	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	DStIS1	Combination		Bottom	76.208	0	0	0	914.4958	-1326.9131
Story1	DStIS2	Combination		Top	159.2537	0	0	0	1911.0444	-2771.7808
Story1	DStIS2	Combination		Bottom	170.5563	0	0	0	2046.6759	-2968.4466
Story1	DStIS3	Combination	Max	Top	130.054	0	0	17.6837	1627.0272	-2263.852
Story1	DStIS3	Combination	Max	Bottom	143.5041	0	0	17.6837	1799.5527	-2497.8842
Story1	DStIS3	Combination	Min	Top	130.054	-1.4736	-11.124	-193.7681	1560.6482	-2272.6454
Story1	DStIS3	Combination	Min	Bottom	143.5041	-1.4736	-11.124	-193.7681	1722.0497	-2508.1513
Story1	DStIS4	Combination	Max	Top	130.054	1.4736	11.124	193.7681	1560.6482	-2255.0585
Story1	DStIS4	Combination	Max	Bottom	143.5041	1.4736	11.124	193.7681	1722.0497	-2487.6171
Story1	DStIS4	Combination	Min	Top	130.054	0	0	-17.6837	1494.2691	-2263.852
Story1	DStIS4	Combination	Min	Bottom	143.5041	0	0	-17.6837	1644.5467	-2497.8842
Story1	DStIS5	Combination	Max	Top	30.2504	0	0	17.6837	429.3833	-526.7855
Story1	DStIS5	Combination	Max	Bottom	36.5798	0	0	17.6837	516.461	-636.9183
Story1	DStIS5	Combination	Min	Top	30.2504	-1.4736	-11.124	-193.7681	363.0043	-535.579
Story1	DStIS5	Combination	Min	Bottom	36.5798	-1.4736	-11.124	-193.7681	438.958	-647.1854
Story1	DStIS6	Combination	Max	Top	30.2504	1.4736	11.124	193.7681	363.0043	-517.992
Story1	DStIS6	Combination	Max	Bottom	36.5798	1.4736	11.124	193.7681	438.958	-626.6512
Story1	DStIS6	Combination	Min	Top	30.2504	0	0	-17.6837	296.6253	-526.7855
Story1	DStIS6	Combination	Min	Bottom	36.5798	0	0	-17.6837	361.455	-636.9183
Story1	DStID1	Combination		Top	45.0154	0	0	0	540.185	-783.907
Story1	DStID1	Combination		Bottom	54.4343	0	0	0	653.2113	-947.7951
Story1	DStID2	Combination		Top	110.7874	0	0	0	1329.449	-1928.3398
Story1	DStID2	Combination		Bottom	120.2063	0	0	0	1442.4753	-2092.2279

5.3 Point Results

Table 5.4 - Joint Reactions

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1	1	Dead	LinStatic		0.0861	1.6384	3.05	-5.3362	0.0901	-3.235E-06
Base	1	1	Live	LinStatic		0.1038	2.3798	2.7734	-7.7565	0.1147	-1.064E-05
Base	1	1	Sism o	LinStatic	Max	-0.0034	-0.0058	-0.1456	3.3902	-0.0034	0.1109
Base	1	1	Sism o	LinStatic	Min	-0.1251	-0.7421	-0.2787	-0.0137	-0.0586	-9.062E-07
Base	1	1	DConS1	Combination		0.1205	2.2937	4.2701	-7.4707	0.1261	-4.529E-06
Base	1	1	DConS2	Combination		0.2694	5.7738	8.0974	-18.8139	0.2915	-2.09E-05
Base	1	1	DConS3	Combination	Max	0.2123	4.5039	6.5928	-11.3034	0.2284	0.1109
Base	1	1	DConS3	Combination	Min	0.0906	3.7676	6.4598	-14.7073	0.1732	-1.575E-05
Base	1	1	DConS4	Combination	Max	0.3408	5.2519	7.0171	-14.68	0.2903	-1.394E-05
Base	1	1	DConS4	Combination	Min	0.2191	4.5155	6.884	-18.0839	0.2351	-0.1109
Base	1	1	DConS5	Combination	Max	0.0655	1.3049	2.2944	-0.8788	0.0687	0.1109
Base	1	1	DConS5	Combination	Min	-0.0563	0.5686	2.1614	-4.2826	0.0135	-3.494E-06
Base	1	1	DConS6	Combination	Max	0.1939	2.0528	2.7187	-4.2553	0.1306	-1.682E-06
Base	1	1	DConS6	Combination	Min	0.0722	1.3165	2.5856	-7.6592	0.0754	-0.1109
Base	1	1	DStIS1	Combination		0.1205	2.2937	4.2701	-7.4707	0.1261	-4.529E-06
Base	1	1	DStIS2	Combination		0.2694	5.7738	8.0974	-18.8139	0.2915	-2.09E-05
Base	1	1	DStIS3	Combination	Max	0.2233	4.7137	6.9832	-11.9865	0.2399	0.1109

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	1	1	DStlS3	Combination	Min	0.1016	3.9773	6.8502	-15.3903	0.1847	-1.616E-05
Base	1	1	DStlS4	Combination	Max	0.3518	5.4616	7.4075	-15.363	0.3019	-1.435E-05
Base	1	1	DStlS4	Combination	Min	0.2301	4.7252	7.2744	-18.7669	0.2467	-0.1109
Base	1	1	DStlS5	Combination	Max	0.0545	1.0952	1.904	-0.1957	0.0571	0.1109
Base	1	1	DStlS5	Combination	Min	-0.0673	0.3589	1.771	-3.5996	0.0019	-3.08E-06
Base	1	1	DStlS6	Combination	Max	0.1829	1.8431	2.3283	-3.5723	0.1191	-1.268E-06
Base	1	1	DStlS6	Combination	Min	0.0612	1.1068	2.1952	-6.9762	0.0639	-0.1109
Base	1	1	DStlD1	Combination		0.0861	1.6384	3.05	-5.3362	0.0901	-3.235E-06
Base	1	1	DStlD2	Combination		0.1899	4.0182	5.8234	-13.0928	0.2047	-1.387E-05
Base	2	3	Dead	LinStatic		0.0861	-1.6384	3.05	5.3362	0.0901	3.235E-06
Base	2	3	Live	LinStatic		0.1038	-2.3798	2.7734	7.7565	0.1147	1.064E-05
Base	2	3	Sism o	LinStatic	Max	0.0034	0.0058	0.1456	3.3902	0.0034	-9.062E-07
Base	2	3	Sism o	LinStatic	Min	-0.1251	-0.7421	-0.2787	0.0137	-0.0586	-0.1109
Base	2	3	DConS1	Combination		0.1205	-2.2937	4.2701	7.4707	0.1261	4.529E-06
Base	2	3	DConS2	Combination		0.2694	-5.7738	8.0974	18.8139	0.2915	2.09E-05
Base	2	3	DConS3	Combination	Max	0.2191	-4.5039	6.884	18.0839	0.2351	1.394E-05
Base	2	3	DConS3	Combination	Min	0.0906	-5.2519	6.4598	14.7073	0.1732	-0.1109
Base	2	3	DConS4	Combination	Max	0.3408	-3.7676	7.0171	14.68	0.2903	0.1109
Base	2	3	DConS4	Combination	Min	0.2123	-4.5155	6.5928	11.3034	0.2284	1.575E-05
Base	2	3	DConS5	Combination	Max	0.0722	-1.3049	2.5856	7.6592	0.0754	1.682E-06
Base	2	3	DConS5	Combination	Min	-0.0563	-2.0528	2.1614	4.2826	0.0135	-0.1109
Base	2	3	DConS6	Combination	Max	0.1939	-0.5686	2.7187	4.2553	0.1306	0.1109
Base	2	3	DConS6	Combination	Min	0.0655	-1.3165	2.2944	0.8788	0.0687	3.494E-06
Base	2	3	DStlS1	Combination		0.1205	-2.2937	4.2701	7.4707	0.1261	4.529E-06
Base	2	3	DStlS2	Combination		0.2694	-5.7738	8.0974	18.8139	0.2915	2.09E-05
Base	2	3	DStlS3	Combination	Max	0.2301	-4.7137	7.2744	18.7669	0.2467	1.435E-05
Base	2	3	DStlS3	Combination	Min	0.1016	-5.4616	6.8502	15.3903	0.1847	-0.1109
Base	2	3	DStlS4	Combination	Max	0.3518	-3.9773	7.4075	15.363	0.3019	0.1109
Base	2	3	DStlS4	Combination	Min	0.2233	-4.7252	6.9832	11.9865	0.2399	1.616E-05
Base	2	3	DStlS5	Combination	Max	0.0612	-1.0952	2.1952	6.9762	0.0639	1.268E-06
Base	2	3	DStlS5	Combination	Min	-0.0673	-1.8431	1.771	3.5996	0.0019	-0.1109
Base	2	3	DStlS6	Combination	Max	0.1829	-0.3589	2.3283	3.5723	0.1191	0.1109
Base	2	3	DStlS6	Combination	Min	0.0545	-1.1068	1.904	0.1957	0.0571	3.08E-06
Base	2	3	DStlD1	Combination		0.0861	-1.6384	3.05	5.3362	0.0901	3.235E-06
Base	2	3	DStlD2	Combination		0.1899	-4.0182	5.8234	13.0928	0.2047	1.387E-05
Base	253	304	Dead	LinStatic		-0.0658	2.6858	4.2256	-8.7478	-0.0652	-1.712E-05
Base	253	304	Live	LinStatic		-0.0583	4.7614	5.4481	-15.5132	-0.0588	-3.666E-05
Base	253	304	Sism o	LinStatic	Max	0.0023	0.0058	0.2787	3.7668	0.0023	0.1109
Base	253	304	Sism o	LinStatic	Min	-0.1269	-0.8192	-0.1617	0.0137	-0.0602	-7.047E-07
Base	253	304	DConS1	Combination		-0.0921	3.7602	5.9158	-12.2469	-0.0913	-2.397E-05
Base	253	304	DConS2	Combination		-0.1723	10.8413	13.7877	-35.3185	-0.1724	-0.0001
Base	253	304	DConS3	Combination	Max	-0.1415	8.2588	11.2201	-23.1185	-0.1413	0.1108
Base	253	304	DConS3	Combination	Min	-0.2707	7.4339	10.7797	-26.8716	-0.2038	-0.0001
Base	253	304	DConS4	Combination	Max	-0.0169	9.0722	11.1031	-26.899	-0.0834	-0.0001
Base	253	304	DConS4	Combination	Min	-0.1461	8.2473	10.6628	-30.6522	-0.1459	-0.111

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	253	304	DConS5	Combination	Max	-0.0503	2.1544	3.6591	-3.2314	-0.0499	0.1109
Base	253	304	DConS5	Combination	Min	-0.1795	1.3295	3.2188	-6.9845	-0.1124	-1.44E-05
Base	253	304	DConS6	Combination	Max	0.0743	2.9678	3.5422	-7.0119	0.008	-1.299E-05
Base	253	304	DConS6	Combination	Min	-0.0549	2.1429	3.1018	-10.7651	-0.0545	-0.1109
Base	253	304	DStlS1	Combination		-0.0921	3.7602	5.9158	-12.2469	-0.0913	-2.397E-05
Base	253	304	DStlS2	Combination		-0.1723	10.8413	13.7877	-35.3185	-0.1724	-0.0001
Base	253	304	DStlS3	Combination	Max	-0.15	8.6026	11.761	-24.2382	-0.1496	0.1108
Base	253	304	DStlS3	Combination	Min	-0.2792	7.7777	11.3206	-27.9914	-0.2122	-0.0001
Base	253	304	DStlS4	Combination	Max	-0.0254	9.416	11.644	-28.0187	-0.0917	-0.0001
Base	253	304	DStlS4	Combination	Min	-0.1546	8.591	11.2036	-31.7719	-0.1543	-0.111
Base	253	304	DStlS5	Combination	Max	-0.0419	1.8107	3.1183	-2.1117	-0.0415	0.1109
Base	253	304	DStlS5	Combination	Min	-0.1711	0.9857	2.6779	-5.8648	-0.1041	-1.221E-05
Base	253	304	DStlS6	Combination	Max	0.0827	2.624	3.0013	-5.8922	0.0164	-1.08E-05
Base	253	304	DStlS6	Combination	Min	-0.0465	1.7991	2.5609	-9.6453	-0.0462	-0.1109
Base	253	304	DStlD1	Combination		-0.0658	2.6858	4.2256	-8.7478	-0.0652	-1.712E-05
Base	253	304	DStlD2	Combination		-0.1241	7.4473	9.6737	-24.261	-0.124	-0.0001
Base	254	306	Dead	LinStatic		-0.0658	-2.6858	4.2256	8.7478	-0.0652	1.712E-05
Base	254	306	Live	LinStatic		-0.0583	-4.7614	5.4481	15.5132	-0.0588	3.666E-05
Base	254	306	Sism o	LinStatic	Max	-0.0023	-0.0058	0.2787	3.7668	-0.0023	-7.047E-07
Base	254	306	Sism o	LinStatic	Min	-0.1269	-0.8192	0.1617	-0.0137	-0.0602	-0.1109
Base	254	306	DConS1	Combination		-0.0921	-3.7602	5.9158	12.2469	-0.0913	2.397E-05
Base	254	306	DConS2	Combination		-0.1723	-10.8413	13.7877	35.3185	-0.1724	0.0001
Base	254	306	DConS3	Combination	Max	-0.1461	-8.2588	11.2201	30.6522	-0.1459	0.0001
Base	254	306	DConS3	Combination	Min	-0.2707	-9.0722	11.1031	26.8716	-0.2038	-0.1108
Base	254	306	DConS4	Combination	Max	-0.0169	-7.4339	10.7797	26.899	-0.0834	0.111
Base	254	306	DConS4	Combination	Min	-0.1415	-8.2473	10.6628	23.1185	-0.1413	0.0001
Base	254	306	DConS5	Combination	Max	-0.0549	-2.1544	3.6591	10.7651	-0.0545	1.299E-05
Base	254	306	DConS5	Combination	Min	-0.1795	-2.9678	3.5422	6.9845	-0.1124	-0.1109
Base	254	306	DConS6	Combination	Max	0.0743	-1.3295	3.2188	7.0119	0.008	0.1109
Base	254	306	DConS6	Combination	Min	-0.0503	-2.1429	3.1018	3.2314	-0.0499	1.44E-05
Base	254	306	DStlS1	Combination		-0.0921	-3.7602	5.9158	12.2469	-0.0913	2.397E-05
Base	254	306	DStlS2	Combination		-0.1723	-10.8413	13.7877	35.3185	-0.1724	0.0001
Base	254	306	DStlS3	Combination	Max	-0.1546	-8.6026	11.761	31.7719	-0.1543	0.0001
Base	254	306	DStlS3	Combination	Min	-0.2792	-9.416	11.644	27.9914	-0.2122	-0.1108
Base	254	306	DStlS4	Combination	Max	-0.0254	-7.7777	11.3206	28.0187	-0.0917	0.111
Base	254	306	DStlS4	Combination	Min	-0.15	-8.591	11.2036	24.2382	-0.1496	0.0001
Base	254	306	DStlS5	Combination	Max	-0.0465	-1.8107	3.1183	9.6453	-0.0462	1.08E-05
Base	254	306	DStlS5	Combination	Min	-0.1711	-2.624	3.0013	5.8648	-0.1041	-0.1109
Base	254	306	DStlS6	Combination	Max	0.0827	-0.9857	2.6779	5.8922	0.0164	0.1109
Base	254	306	DStlS6	Combination	Min	-0.0419	-1.7991	2.5609	2.1117	-0.0415	1.221E-05
Base	254	306	DStlD1	Combination		-0.0658	-2.6858	4.2256	8.7478	-0.0652	1.712E-05
Base	254	306	DStlD2	Combination		-0.1241	-7.4473	9.6737	24.261	-0.124	0.0001
Base	4	7	Dead	LinStatic		-1.524E-05	2.6857	4.1852	-8.7485	-0.0001	-5.709E-07
Base	4	7	Live	LinStatic		-3.614E-05	4.761	5.481	-15.5145	-0.0002	-1.498E-06
Base	4	7	Sism o	LinStatic	Max	0.0151	0	0	3.6918	0.0466	0.1118

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	4	7	Sism o	LinStatic	Min	-1.588E-06	-0.801	-0.161	0	-9.144E-06	0
Base	4	7	DConS1	Combination		-2.133E-05	3.7599	5.8593	-12.2479	-0.0001	-7.992E-07
Base	4	7	DConS2	Combination		-0.0001	10.8404	13.7919	-35.3213	-0.0005	-3.082E-06
Base	4	7	DConS3	Combination	Max	0.0151	8.2524	10.9218	-23.1956	0.0462	0.1118
Base	4	7	DConS3	Combination	Min	-0.0001	7.4513	10.7608	-26.8875	-0.0003	-2.395E-06
Base	4	7	DConS4	Combination	Max	-0.0001	9.0534	11.0828	-26.8875	-0.0003	-2.086E-06
Base	4	7	DConS4	Combination	Min	-0.0152	8.2524	10.9218	-30.5793	-0.0469	-0.1118
Base	4	7	DConS5	Combination	Max	0.0151	2.1485	3.3482	-3.3069	0.0465	0.1118
Base	4	7	DConS5	Combination	Min	-1.378E-05	1.3475	3.1872	-6.9988	-0.0001	-6.114E-07
Base	4	7	DConS6	Combination	Max	-1.06E-05	2.9496	3.5091	-6.9988	-0.0001	0
Base	4	7	DConS6	Combination	Min	-0.0151	2.1485	3.3482	-10.6906	-0.0466	-0.1118
Base	4	7	DStlS1	Combination		-2.133E-05	3.7599	5.8593	-12.2479	-0.0001	-7.992E-07
Base	4	7	DStlS2	Combination		-0.0001	10.8404	13.7919	-35.3213	-0.0005	-3.082E-06
Base	4	7	DStlS3	Combination	Max	0.0151	8.5961	11.4575	-24.3155	0.0462	0.1118
Base	4	7	DStlS3	Combination	Min	-0.0001	7.7951	11.2966	-28.0073	-0.0004	-2.468E-06
Base	4	7	DStlS4	Combination	Max	-0.0001	9.3972	11.6185	-28.0073	-0.0003	-2.159E-06
Base	4	7	DStlS4	Combination	Min	-0.0152	8.5961	11.4575	-31.6991	-0.0469	-0.1118
Base	4	7	DStlS5	Combination	Max	0.0151	1.8048	2.8125	-2.1871	0.0465	0.1118
Base	4	7	DStlS5	Combination	Min	-1.183E-05	1.0037	2.6515	-5.879	-0.0001	-5.383E-07
Base	4	7	DStlS6	Combination	Max	-8.652E-06	2.6058	2.9734	-5.879	-0.0001	0
Base	4	7	DStlS6	Combination	Min	-0.0151	1.8048	2.8125	-9.5708	-0.0466	-0.1118
Base	4	7	DStlD1	Combination		-1.524E-05	2.6857	4.1852	-8.7485	-0.0001	-5.709E-07
Base	4	7	DStlD2	Combination		-0.0001	7.4467	9.6662	-24.2629	-0.0003	-2.069E-06
Base	5	9	Dead	LinStatic		-1.524E-05	-2.6857	4.1852	8.7485	-0.0001	5.709E-07
Base	5	9	Live	LinStatic		-3.614E-05	-4.761	5.481	15.5145	-0.0002	1.498E-06
Base	5	9	Sism o	LinStatic	Max	0.0151	0	0.161	3.6918	0.0466	0
Base	5	9	Sism o	LinStatic	Min	1.588E-06	-0.801	0	0	9.144E-06	-0.1118
Base	5	9	DConS1	Combination		-2.133E-05	-3.7599	5.8593	12.2479	-0.0001	7.992E-07
Base	5	9	DConS2	Combination		-0.0001	-10.8404	13.7919	35.3213	-0.0005	3.082E-06
Base	5	9	DConS3	Combination	Max	0.0151	-8.2524	11.0828	30.5793	0.0462	2.086E-06
Base	5	9	DConS3	Combination	Min	-0.0001	-9.0534	10.9218	26.8875	-0.0003	-0.1118
Base	5	9	DConS4	Combination	Max	-0.0001	-7.4513	10.9218	26.8875	-0.0003	0.1118
Base	5	9	DConS4	Combination	Min	-0.0152	-8.2524	10.7608	23.1956	-0.0469	2.395E-06
Base	5	9	DConS5	Combination	Max	0.0151	-2.1485	3.5091	10.6906	0.0465	0
Base	5	9	DConS5	Combination	Min	-1.06E-05	-2.9496	3.3482	6.9988	-0.0001	-0.1118
Base	5	9	DConS6	Combination	Max	-1.378E-05	-1.3475	3.3482	6.9988	-0.0001	0.1118
Base	5	9	DConS6	Combination	Min	-0.0151	-2.1485	3.1872	3.3069	-0.0466	6.114E-07
Base	5	9	DStlS1	Combination		-2.133E-05	-3.7599	5.8593	12.2479	-0.0001	7.992E-07
Base	5	9	DStlS2	Combination		-0.0001	-10.8404	13.7919	35.3213	-0.0005	3.082E-06
Base	5	9	DStlS3	Combination	Max	0.0151	-8.5961	11.6185	31.6991	0.0462	2.159E-06
Base	5	9	DStlS3	Combination	Min	-0.0001	-9.3972	11.4575	28.0073	-0.0003	-0.1118
Base	5	9	DStlS4	Combination	Max	-0.0001	-7.7951	11.4575	28.0073	-0.0004	0.1118
Base	5	9	DStlS4	Combination	Min	-0.0152	-8.5961	11.2966	24.3155	-0.0469	2.468E-06
Base	5	9	DStlS5	Combination	Max	0.0151	-1.8048	2.9734	9.5708	0.0465	0
Base	5	9	DStlS5	Combination	Min	-8.652E-06	-2.6058	2.8125	5.879	-0.0001	-0.1118

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	5	9	DStlS6	Combination	Max	-1.183E-05	-1.0037	2.8125	5.879	-0.0001	0.1118
Base	5	9	DStlS6	Combination	Min	-0.0151	-1.8048	2.6515	2.1871	-0.0466	5.383E-07
Base	5	9	DStlD1	Combination		-1.524E-05	-2.6857	4.1852	8.7485	-0.0001	5.709E-07
Base	5	9	DStlD2	Combination		-0.0001	-7.4467	9.6662	24.2629	-0.0003	2.069E-06
Base	25	32	Dead	LinStatic		0.0909	2.6856	4.2457	-8.7478	0.0897	1.782E-05
Base	25	32	Live	LinStatic		0.115	4.7609	5.493	-15.5132	0.1139	3.782E-05
Base	25	32	Sism o	LinStatic	Max	-0.0033	-0.0058	-0.1629	3.7673	-0.0033	0.1109
Base	25	32	Sism o	LinStatic	Min	-0.126	-0.8192	-0.2773	-0.0137	-0.0594	0
Base	25	32	DConS1	Combination		0.1273	3.7598	5.9439	-12.2469	0.1256	2.495E-05
Base	25	32	DConS2	Combination		0.2931	10.8401	13.8835	-35.3184	0.2899	0.0001
Base	25	32	DConS3	Combination	Max	0.2299	8.2463	10.8494	-23.118	0.2272	0.1109
Base	25	32	DConS3	Combination	Min	0.1072	7.4329	10.735	-26.899	0.1712	0.0001
Base	25	32	DConS4	Combination	Max	0.3593	9.0713	11.2896	-26.8716	0.2899	0.0001
Base	25	32	DConS4	Combination	Min	0.2365	8.2579	11.1752	-30.6526	0.2339	-0.1108
Base	25	32	DConS5	Combination	Max	0.0694	2.1427	3.2336	-3.2309	0.0684	0.1109
Base	25	32	DConS5	Combination	Min	-0.0533	1.3293	3.1192	-7.0119	0.0124	1.421E-05
Base	25	32	DConS6	Combination	Max	0.1988	2.9677	3.6738	-6.9845	0.1311	1.43E-05
Base	25	32	DConS6	Combination	Min	0.0761	2.1542	3.5594	-10.7655	0.0751	-0.1109
Base	25	32	DStlS1	Combination		0.1273	3.7598	5.9439	-12.2469	0.1256	2.495E-05
Base	25	32	DStlS2	Combination		0.2931	10.8401	13.8835	-35.3184	0.2899	0.0001
Base	25	32	DStlS3	Combination	Max	0.2415	8.5901	11.3928	-24.2377	0.2387	0.1109
Base	25	32	DStlS3	Combination	Min	0.1188	7.7767	11.2785	-28.0187	0.1827	0.0001
Base	25	32	DStlS4	Combination	Max	0.3709	9.4151	11.8331	-27.9913	0.3014	0.0001
Base	25	32	DStlS4	Combination	Min	0.2482	8.6016	11.7187	-31.7723	0.2454	-0.1108
Base	25	32	DStlS5	Combination	Max	0.0578	1.7989	2.6902	-2.1112	0.057	0.1109
Base	25	32	DStlS5	Combination	Min	-0.0649	0.9855	2.5758	-5.8922	0.0009	1.192E-05
Base	25	32	DStlS6	Combination	Max	0.1872	2.6239	3.1304	-5.8648	0.1197	1.202E-05
Base	25	32	DStlS6	Combination	Min	0.0644	1.8105	3.016	-9.6458	0.0636	-0.1109
Base	25	32	DStlD1	Combination		0.0909	2.6856	4.2457	-8.7478	0.0897	1.782E-05
Base	25	32	DStlD2	Combination		0.2059	7.4464	9.7386	-24.2609	0.2036	0.0001
Base	26	34	Dead	LinStatic		0.0909	-2.6856	4.2457	8.7478	0.0897	-1.782E-05
Base	26	34	Live	LinStatic		0.115	-4.7609	5.493	15.5132	0.1139	-3.782E-05
Base	26	34	Sism o	LinStatic	Max	0.0033	0.0058	0.1629	3.7673	0.0033	0
Base	26	34	Sism o	LinStatic	Min	-0.126	-0.8192	-0.2773	0.0137	-0.0594	-0.1109
Base	26	34	DConS1	Combination		0.1273	-3.7598	5.9439	12.2469	0.1256	-2.495E-05
Base	26	34	DConS2	Combination		0.2931	-10.8401	13.8835	35.3184	0.2899	-0.0001
Base	26	34	DConS3	Combination	Max	0.2365	-8.2463	11.1752	30.6526	0.2339	-0.0001
Base	26	34	DConS3	Combination	Min	0.1072	-9.0713	10.735	26.899	0.1712	-0.1109
Base	26	34	DConS4	Combination	Max	0.3593	-7.4329	11.2896	26.8716	0.2899	0.1108
Base	26	34	DConS4	Combination	Min	0.2299	-8.2579	10.8494	23.118	0.2272	-0.0001
Base	26	34	DConS5	Combination	Max	0.0761	-2.1427	3.5594	10.7655	0.0751	-1.43E-05
Base	26	34	DConS5	Combination	Min	-0.0533	-2.9677	3.1192	7.0119	0.0124	-0.1109
Base	26	34	DConS6	Combination	Max	0.1988	-1.3293	3.6738	6.9845	0.1311	0.1109
Base	26	34	DConS6	Combination	Min	0.0694	-2.1542	3.2336	3.2309	0.0684	-1.421E-05
Base	26	34	DStlS1	Combination		0.1273	-3.7598	5.9439	12.2469	0.1256	-2.495E-05

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	26	34	DStIS2	Combination		0.2931	-10.8401	13.8835	35.3184	0.2899	-0.0001
Base	26	34	DStIS3	Combination	Max	0.2482	-8.5901	11.7187	31.7723	0.2454	-0.0001
Base	26	34	DStIS3	Combination	Min	0.1188	-9.4151	11.2785	28.0187	0.1827	-0.1109
Base	26	34	DStIS4	Combination	Max	0.3709	-7.7767	11.8331	27.9913	0.3014	0.1108
Base	26	34	DStIS4	Combination	Min	0.2415	-8.6016	11.3928	24.2377	0.2387	-0.0001
Base	26	34	DStIS5	Combination	Max	0.0644	-1.7989	3.016	9.6458	0.0636	-1.202E-05
Base	26	34	DStIS5	Combination	Min	-0.0649	-2.6239	2.5758	5.8922	0.0009	-0.1109
Base	26	34	DStIS6	Combination	Max	0.1872	-0.9855	3.1304	5.8648	0.1197	0.1109
Base	26	34	DStIS6	Combination	Min	0.0578	-1.8105	2.6902	2.1112	0.057	-1.192E-05
Base	26	34	DStID1	Combination		0.0909	-2.6856	4.2457	8.7478	0.0897	-1.782E-05
Base	26	34	DStID2	Combination		0.2059	-7.4464	9.7386	24.2609	0.2036	-0.0001
Base	46	57	Dead	LinStatic		-0.0847	2.6856	4.2349	-8.7478	-0.0833	-1.296E-05
Base	46	57	Live	LinStatic		-0.101	4.7609	5.469	-15.5132	-0.0995	-2.701E-05
Base	46	57	Sism o	LinStatic	Max	0.003	0.0058	0.2773	3.7673	0.003	0.1108
Base	46	57	Sism o	LinStatic	Min	-0.1244	-0.8192	-0.1624	0.0136	-0.0579	0
Base	46	57	DConS1	Combination		-0.1186	3.7598	5.9289	-12.2469	-0.1166	-1.815E-05
Base	46	57	DConS2	Combination		-0.2633	10.8401	13.8324	-35.3184	-0.2592	-0.0001
Base	46	57	DConS3	Combination	Max	-0.2081	8.2579	11.2518	-23.118	-0.2048	0.1108
Base	46	57	DConS3	Combination	Min	-0.3355	7.4329	10.812	-26.8716	-0.2658	-4.396E-05
Base	46	57	DConS4	Combination	Max	-0.0867	9.0713	11.1369	-26.8989	-0.1499	-4.377E-05
Base	46	57	DConS4	Combination	Min	-0.2141	8.2463	10.6972	-30.6526	-0.2109	-0.1109
Base	46	57	DConS5	Combination	Max	-0.0647	2.1542	3.6653	-3.2309	-0.0636	0.1108
Base	46	57	DConS5	Combination	Min	-0.1922	1.3293	3.2255	-6.9846	-0.1246	-1.046E-05
Base	46	57	DConS6	Combination	Max	0.0567	2.9677	3.5504	-7.0119	-0.0087	-1.028E-05
Base	46	57	DConS6	Combination	Min	-0.0708	2.1427	3.1107	-10.7655	-0.0697	-0.1108
Base	46	57	DStIS1	Combination		-0.1186	3.7598	5.9289	-12.2469	-0.1166	-1.815E-05
Base	46	57	DStIS2	Combination		-0.2633	10.8401	13.8324	-35.3184	-0.2592	-0.0001
Base	46	57	DStIS3	Combination	Max	-0.2189	8.6016	11.7938	-24.2377	-0.2155	0.1108
Base	46	57	DStIS3	Combination	Min	-0.3464	7.7767	11.3541	-27.9913	-0.2764	-4.562E-05
Base	46	57	DStIS4	Combination	Max	-0.0975	9.4151	11.6789	-28.0186	-0.1606	-4.543E-05
Base	46	57	DStIS4	Combination	Min	-0.225	8.5901	11.2392	-31.7723	-0.2215	-0.1109
Base	46	57	DStIS5	Combination	Max	-0.0539	1.8105	3.1232	-2.1112	-0.053	0.1108
Base	46	57	DStIS5	Combination	Min	-0.1813	0.9855	2.6835	-5.8648	-0.1139	-8.805E-06
Base	46	57	DStIS6	Combination	Max	0.0675	2.6239	3.0083	-5.8921	0.002	-8.618E-06
Base	46	57	DStIS6	Combination	Min	-0.0599	1.7989	2.5686	-9.6458	-0.059	-0.1108
Base	46	57	DStID1	Combination		-0.0847	2.6856	4.2349	-8.7478	-0.0833	-1.296E-05
Base	46	57	DStID2	Combination		-0.1857	7.4464	9.704	-24.2609	-0.1828	-3.998E-05
Base	47	59	Dead	LinStatic		-0.0847	-2.6856	4.2349	8.7478	-0.0833	1.296E-05
Base	47	59	Live	LinStatic		-0.101	-4.7609	5.469	15.5132	-0.0995	2.701E-05
Base	47	59	Sism o	LinStatic	Max	-0.003	-0.0058	0.2773	3.7673	-0.003	0
Base	47	59	Sism o	LinStatic	Min	-0.1244	-0.8192	0.1624	-0.0136	-0.0579	-0.1108
Base	47	59	DConS1	Combination		-0.1186	-3.7598	5.9289	12.2469	-0.1166	1.815E-05
Base	47	59	DConS2	Combination		-0.2633	-10.8401	13.8324	35.3184	-0.2592	0.0001
Base	47	59	DConS3	Combination	Max	-0.2141	-8.2579	11.2518	30.6526	-0.2109	4.377E-05
Base	47	59	DConS3	Combination	Min	-0.3355	-9.0713	11.1369	26.8716	-0.2658	-0.1108

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	47	59	DConS4	Combination	Max	-0.0867	-7.4329	10.812	26.8989	-0.1499	0.1109
Base	47	59	DConS4	Combination	Min	-0.2081	-8.2463	10.6972	23.118	-0.2048	4.396E-05
Base	47	59	DConS5	Combination	Max	-0.0708	-2.1542	3.6653	10.7655	-0.0697	1.028E-05
Base	47	59	DConS5	Combination	Min	-0.1922	-2.9677	3.5504	6.9846	-0.1246	-0.1108
Base	47	59	DConS6	Combination	Max	0.0567	-1.3293	3.2255	7.0119	-0.0087	0.1108
Base	47	59	DConS6	Combination	Min	-0.0647	-2.1427	3.1107	3.2309	-0.0636	1.046E-05
Base	47	59	DStlS1	Combination		-0.1186	-3.7598	5.9289	12.2469	-0.1166	1.815E-05
Base	47	59	DStlS2	Combination		-0.2633	-10.8401	13.8324	35.3184	-0.2592	0.0001
Base	47	59	DStlS3	Combination	Max	-0.225	-8.6016	11.7938	31.7723	-0.2215	4.543E-05
Base	47	59	DStlS3	Combination	Min	-0.3464	-9.4151	11.6789	27.9913	-0.2764	-0.1108
Base	47	59	DStlS4	Combination	Max	-0.0975	-7.7767	11.3541	28.0186	-0.1606	0.1109
Base	47	59	DStlS4	Combination	Min	-0.2189	-8.5901	11.2392	24.2377	-0.2155	4.562E-05
Base	47	59	DStlS5	Combination	Max	-0.0599	-1.8105	3.1232	9.6458	-0.059	8.618E-06
Base	47	59	DStlS5	Combination	Min	-0.1813	-2.6239	3.0083	5.8648	-0.1139	-0.1108
Base	47	59	DStlS6	Combination	Max	0.0675	-0.9855	2.6835	5.8921	0.002	0.1108
Base	47	59	DStlS6	Combination	Min	-0.0539	-1.7989	2.5686	2.1112	-0.053	8.805E-06
Base	47	59	DStlD1	Combination		-0.0847	-2.6856	4.2349	8.7478	-0.0833	1.296E-05
Base	47	59	DStlD2	Combination		-0.1857	-7.4464	9.704	24.2609	-0.1828	3.998E-05
Base	67	82	Dead	LinStatic		0.0635	2.6858	4.2203	-8.7478	0.0629	1.396E-05
Base	67	82	Live	LinStatic		0.0534	4.7614	5.4362	-15.5132	0.0535	2.969E-05
Base	67	82	Sism o	LinStatic	Max	-0.0022	-0.0058	-0.1614	3.7668	-0.0022	0.1108
Base	67	82	Sism o	LinStatic	Min	-0.1241	-0.8192	-0.2764	-0.0137	-0.0576	8.784E-07
Base	67	82	DConS1	Combination		0.089	3.7602	5.9084	-12.2469	0.088	1.954E-05
Base	67	82	DConS2	Combination		0.1616	10.8413	13.7622	-35.3185	0.1611	0.0001
Base	67	82	DConS3	Combination	Max	0.1338	8.2473	10.7611	-23.1185	0.133	0.1109
Base	67	82	DConS3	Combination	Min	0.0119	7.4339	10.6462	-26.899	0.0776	4.871E-05
Base	67	82	DConS4	Combination	Max	0.26	9.0722	11.1989	-26.8717	0.1928	4.696E-05
Base	67	82	DConS4	Combination	Min	0.1382	8.2588	11.084	-30.6522	0.1374	-0.1108
Base	67	82	DConS5	Combination	Max	0.0486	2.1429	3.2148	-3.2314	0.0481	0.1108
Base	67	82	DConS5	Combination	Min	-0.0732	1.3295	3.0998	-7.0119	-0.0073	1.204E-05
Base	67	82	DConS6	Combination	Max	0.1749	2.9678	3.6526	-6.9846	0.1079	1.029E-05
Base	67	82	DConS6	Combination	Min	0.053	2.1544	3.5377	-10.7651	0.0525	-0.1108
Base	67	82	DStlS1	Combination		0.089	3.7602	5.9084	-12.2469	0.088	1.954E-05
Base	67	82	DStlS2	Combination		0.1616	10.8413	13.7622	-35.3185	0.1611	0.0001
Base	67	82	DStlS3	Combination	Max	0.1419	8.591	11.3013	-24.2382	0.1411	0.1109
Base	67	82	DStlS3	Combination	Min	0.02	7.7777	11.1864	-28.0187	0.0857	0.0001
Base	67	82	DStlS4	Combination	Max	0.2681	9.416	11.7391	-27.9914	0.2009	4.874E-05
Base	67	82	DStlS4	Combination	Min	0.1463	8.6026	11.6242	-31.7719	0.1455	-0.1108
Base	67	82	DStlS5	Combination	Max	0.0405	1.7991	2.6746	-2.1117	0.04	0.1108
Base	67	82	DStlS5	Combination	Min	-0.0814	0.9857	2.5596	-5.8922	-0.0153	1.026E-05
Base	67	82	DStlS6	Combination	Max	0.1668	2.624	3.1124	-5.8648	0.0998	8.501E-06
Base	67	82	DStlS6	Combination	Min	0.0449	1.8107	2.9975	-9.6453	0.0445	-0.1108
Base	67	82	DStlD1	Combination		0.0635	2.6858	4.2203	-8.7478	0.0629	1.396E-05
Base	67	82	DStlD2	Combination		0.1169	7.4473	9.6565	-24.261	0.1164	4.365E-05
Base	68	84	Dead	LinStatic		0.0635	-2.6858	4.2203	8.7478	0.0629	-1.396E-05

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	68	84	Live	LinStatic		0.0534	-4.7614	5.4362	15.5132	0.0535	-2.969E-05
Base	68	84	Sism o	LinStatic	Max	0.0022	0.0058	0.1614	3.7668	0.0022	8.784E-07
Base	68	84	Sism o	LinStatic	Min	-0.1241	-0.8192	-0.2764	0.0137	-0.0576	-0.1108
Base	68	84	DConS1	Combination		0.089	-3.7602	5.9084	12.2469	0.088	-1.954E-05
Base	68	84	DConS2	Combination		0.1616	-10.8413	13.7622	35.3185	0.1611	-0.0001
Base	68	84	DConS3	Combination	Max	0.1382	-8.2473	11.084	30.6522	0.1374	-4.696E-05
Base	68	84	DConS3	Combination	Min	0.0119	-9.0722	10.6462	26.899	0.0776	-0.1109
Base	68	84	DConS4	Combination	Max	0.26	-7.4339	11.1989	26.8717	0.1928	0.1108
Base	68	84	DConS4	Combination	Min	0.1338	-8.2588	10.7611	23.1185	0.133	-4.871E-05
Base	68	84	DConS5	Combination	Max	0.053	-2.1429	3.5377	10.7651	0.0525	-1.029E-05
Base	68	84	DConS5	Combination	Min	-0.0732	-2.9678	3.0998	7.0119	-0.0073	-0.1108
Base	68	84	DConS6	Combination	Max	0.1749	-1.3295	3.6526	6.9846	0.1079	0.1108
Base	68	84	DConS6	Combination	Min	0.0486	-2.1544	3.2148	3.2314	0.0481	-1.204E-05
Base	68	84	DStIS1	Combination		0.089	-3.7602	5.9084	12.2469	0.088	-1.954E-05
Base	68	84	DStIS2	Combination		0.1616	-10.8413	13.7622	35.3185	0.1611	-0.0001
Base	68	84	DStIS3	Combination	Max	0.1463	-8.591	11.6242	31.7719	0.1455	-4.874E-05
Base	68	84	DStIS3	Combination	Min	0.02	-9.416	11.1864	28.0187	0.0857	-0.1109
Base	68	84	DStIS4	Combination	Max	0.2681	-7.7777	11.7391	27.9914	0.2009	0.1108
Base	68	84	DStIS4	Combination	Min	0.1419	-8.6026	11.3013	24.2382	0.1411	-0.0001
Base	68	84	DStIS5	Combination	Max	0.0449	-1.7991	2.9975	9.6453	0.0445	-8.501E-06
Base	68	84	DStIS5	Combination	Min	-0.0814	-2.624	2.5596	5.8922	-0.0153	-0.1108
Base	68	84	DStIS6	Combination	Max	0.1668	-0.9857	3.1124	5.8648	0.0998	0.1108
Base	68	84	DStIS6	Combination	Min	0.0405	-1.8107	2.6746	2.1117	0.04	-1.026E-05
Base	68	84	DStID1	Combination		0.0635	-2.6858	4.2203	8.7478	0.0629	-1.396E-05
Base	68	84	DStID2	Combination		0.1169	-7.4473	9.6565	24.261	0.1164	-4.365E-05
Base	89	108	Dead	LinStatic		-0.0901	1.6384	3.0554	-5.3362	-0.0941	1.881E-06
Base	89	108	Live	LinStatic		-0.1128	2.3798	2.7853	-7.7565	-0.1237	7.688E-06
Base	89	108	Sism o	LinStatic	Max	0.0036	0.0058	0.2764	3.3902	0.0036	0.1108
Base	89	108	Sism o	LinStatic	Min	-0.1254	-0.7421	-0.1459	0.0137	-0.0589	9.946E-07
Base	89	108	DConS1	Combination		-0.1261	2.2937	4.2775	-7.4707	-0.1318	2.634E-06
Base	89	108	DConS2	Combination		-0.2885	5.7738	8.123	-18.8139	-0.3108	1.456E-05
Base	89	108	DConS3	Combination	Max	-0.2263	4.5155	7.0337	-11.3034	-0.2425	0.1108
Base	89	108	DConS3	Combination	Min	-0.3553	3.7676	6.6115	-14.68	-0.3049	1.113E-05
Base	89	108	DConS4	Combination	Max	-0.1044	5.2519	6.9032	-14.7073	-0.1871	9.139E-06
Base	89	108	DConS4	Combination	Min	-0.2334	4.5039	6.4809	-18.0839	-0.2496	-0.1108
Base	89	108	DConS5	Combination	Max	-0.0685	1.3165	2.7207	-0.8788	-0.0717	0.1108
Base	89	108	DConS5	Combination	Min	-0.1975	0.5686	2.2985	-4.2553	-0.1342	2.5E-06
Base	89	108	DConS6	Combination	Max	0.0534	2.0528	2.5902	-4.2826	-0.0164	5.103E-07
Base	89	108	DConS6	Combination	Min	-0.0756	1.3049	2.1679	-7.6592	-0.0789	-0.1108
Base	89	108	DStIS1	Combination		-0.1261	2.2937	4.2775	-7.4707	-0.1318	2.634E-06
Base	89	108	DStIS2	Combination		-0.2885	5.7738	8.123	-18.8139	-0.3108	1.456E-05
Base	89	108	DStIS3	Combination	Max	-0.2378	4.7252	7.4248	-11.9865	-0.2545	0.1108
Base	89	108	DStIS3	Combination	Min	-0.3668	3.9773	7.0025	-15.363	-0.317	1.137E-05
Base	89	108	DStIS4	Combination	Max	-0.1159	5.4616	7.2943	-15.3903	-0.1992	9.379E-06
Base	89	108	DStIS4	Combination	Min	-0.245	4.7137	6.872	-18.7669	-0.2616	-0.1108

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m
Base	89	108	DStIS5	Combination	Max	-0.057	1.1068	2.3296	-0.1957	-0.0597	0.1108
Base	89	108	DStIS5	Combination	Min	-0.186	0.3589	1.9074	-3.5723	-0.1221	2.259E-06
Base	89	108	DStIS6	Combination	Max	0.0649	1.8431	2.1991	-3.5996	-0.0043	0
Base	89	108	DStIS6	Combination	Min	-0.0641	1.0952	1.7769	-6.9762	-0.0668	-0.1108
Base	89	108	DStID1	Combination		-0.0901	1.6384	3.0554	-5.3362	-0.0941	1.881E-06
Base	89	108	DStID2	Combination		-0.2028	4.0182	5.8407	-13.0928	-0.2178	9.569E-06
Base	90	110	Dead	LinStatic		-0.0901	-1.6384	3.0554	5.3362	-0.0941	-1.881E-06
Base	90	110	Live	LinStatic		-0.1128	-2.3798	2.7853	7.7565	-0.1237	-7.688E-06
Base	90	110	Sism o	LinStatic	Max	-0.0036	-0.0058	0.2764	3.3902	-0.0036	9.946E-07
Base	90	110	Sism o	LinStatic	Min	-0.1254	-0.7421	0.1459	-0.0137	-0.0589	-0.1108
Base	90	110	DConS1	Combination		-0.1261	-2.2937	4.2775	7.4707	-0.1318	-2.634E-06
Base	90	110	DConS2	Combination		-0.2885	-5.7738	8.123	18.8139	-0.3108	-1.456E-05
Base	90	110	DConS3	Combination	Max	-0.2334	-4.5155	7.0337	18.0839	-0.2496	-9.139E-06
Base	90	110	DConS3	Combination	Min	-0.3553	-5.2519	6.9032	14.68	-0.3049	-0.1108
Base	90	110	DConS4	Combination	Max	-0.1044	-3.7676	6.6115	14.7073	-0.1871	0.1108
Base	90	110	DConS4	Combination	Min	-0.2263	-4.5039	6.4809	11.3034	-0.2425	-1.113E-05
Base	90	110	DConS5	Combination	Max	-0.0756	-1.3165	2.7207	7.6592	-0.0789	-5.103E-07
Base	90	110	DConS5	Combination	Min	-0.1975	-2.0528	2.5902	4.2553	-0.1342	-0.1108
Base	90	110	DConS6	Combination	Max	0.0534	-0.5686	2.2985	4.2826	-0.0164	0.1108
Base	90	110	DConS6	Combination	Min	-0.0685	-1.3049	2.1679	0.8788	-0.0717	-2.5E-06
Base	90	110	DStIS1	Combination		-0.1261	-2.2937	4.2775	7.4707	-0.1318	-2.634E-06
Base	90	110	DStIS2	Combination		-0.2885	-5.7738	8.123	18.8139	-0.3108	-1.456E-05
Base	90	110	DStIS3	Combination	Max	-0.245	-4.7252	7.4248	18.7669	-0.2616	-9.379E-06
Base	90	110	DStIS3	Combination	Min	-0.3668	-5.4616	7.2943	15.363	-0.317	-0.1108
Base	90	110	DStIS4	Combination	Max	-0.1159	-3.9773	7.0025	15.3903	-0.1992	0.1108
Base	90	110	DStIS4	Combination	Min	-0.2378	-4.7137	6.872	11.9865	-0.2545	-1.137E-05
Base	90	110	DStIS5	Combination	Max	-0.0641	-1.1068	2.3296	6.9762	-0.0668	0
Base	90	110	DStIS5	Combination	Min	-0.186	-1.8431	2.1991	3.5723	-0.1221	-0.1108
Base	90	110	DStIS6	Combination	Max	0.0649	-0.3589	1.9074	3.5996	-0.0043	0.1108
Base	90	110	DStIS6	Combination	Min	-0.057	-1.0952	1.7769	0.1957	-0.0597	-2.259E-06
Base	90	110	DStID1	Combination		-0.0901	-1.6384	3.0554	5.3362	-0.0941	-1.881E-06
Base	90	110	DStID2	Combination		-0.2028	-4.0182	5.8407	13.0928	-0.2178	-9.569E-06

5.4 Modal Results

Table 5.5 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	5.826	0.172	1.0784	1.163
Modal	2	0.13	7.705	48.4144	2343.9501
Modal	3	0.13	7.711	48.4477	2347.1806
Modal	4	0.13	7.711	48.4485	2347.2539
Modal	5	0.13	7.716	48.4828	2350.584
Modal	6	0.128	7.787	48.9257	2393.7194
Modal	7	0.123	8.13	51.0827	2609.4412
Modal	8	0.123	8.13	51.0835	2609.5243

Table 5.5 - Modal Periods And Frequencies (continued)

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	9	0.084	11.855	74.487	5548.3097
Modal	10	0.05	19.957	125.3963	15724.2272
Modal	11	0.047	21.355	134.1769	18003.4308
Modal	12	0.047	21.356	134.1823	18004.8857

Table 5.6 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	1	5.826	0.3286	0	0	0.3286	0	0	0	0.5568	0
Modal	2	0.13	0	0.1951	0	0.3286	0.1951	0	0.1726	0	0.0071
Modal	3	0.13	0	5.423E-06	0	0.3286	0.1951	0	4.795E-06	0	0.1181
Modal	4	0.13	0	0.2004	0	0.3286	0.3955	0	0.1772	0	1.183E-06
Modal	5	0.13	0	0	0	0.3286	0.3955	0	0	0	0.0085
Modal	6	0.128	0	0.0952	0	0.3286	0.4907	0	0.086	0	0.0141
Modal	7	0.123	0	7.852E-07	0	0.3286	0.4907	0	6.757E-07	0	0.2295
Modal	8	0.123	0	0.1718	0	0.3286	0.6625	0	0.1478	0	0
Modal	9	0.084	0	0	0	0.3286	0.6625	0	0	0	0
Modal	10	0.05	0	0	0	0.3286	0.6625	0	0	0	0
Modal	11	0.047	0	0	0	0.3286	0.6625	0	0	0	0.1968
Modal	12	0.047	0.3122	0	0	0.6408	0.6625	0	0	0.0747	0

Table 5.6 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	SumRX	SumRY	SumRZ
Modal	1	0	0.5568	0
Modal	2	0.1726	0.5568	0.0071
Modal	3	0.1726	0.5568	0.1251
Modal	4	0.3498	0.5568	0.1251
Modal	5	0.3498	0.5568	0.1337
Modal	6	0.4357	0.5568	0.1478
Modal	7	0.4357	0.5568	0.3773
Modal	8	0.5836	0.5568	0.3773
Modal	9	0.5836	0.5568	0.3773
Modal	10	0.5836	0.5568	0.3773
Modal	11	0.5836	0.5568	0.5742
Modal	12	0.5836	0.6315	0.5742

Table 5.7 - Modal Load Participation Ratios

Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	64.08
Modal	Acceleration	UY	99.89	66.25
Modal	Acceleration	UZ	0	0

Table 5.8 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	5.826	1	0	0	0
Modal	2	0.13	0	1	0	0
Modal	3	0.13	0	0	0	1
Modal	4	0.13	0	1	0	0
Modal	5	0.13	0	0	0	1
Modal	6	0.128	0	1	0	0
Modal	7	0.123	0	0	0	1
Modal	8	0.123	0	1	0	0
Modal	9	0.084	1	0	0	0
Modal	10	0.05	1	0	0	0
Modal	11	0.047	0	0	0	1
Modal	12	0.047	1	0	0	0

6 Design Data

This chapter provides design data and results.

6.1 Steel Frame Design

Table 6.1 - Steel Frame Design Preferences - AISC 360-16

Item	Value
Multi-Response Design	Step-by-Step - All
Frame Type	IMF
Seismic Design Category	D
Importance Factor	1
Design System Rho	1
Design System Sds	1.14
Design System R	1.5
Design System Omega0	1
Design System Cd	1.2
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?	No
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 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 1 of 25)

Item	Value	Value	Value	Value
Story	Story2	Story2	Story2	Story2
Label	C1	C2	C252	C253
Unique Name	4	3	502	501
Design Type	Column	Column	Column	Column
Design Section	Program Determined	Program Determined	Program Determined	Program Determined
Frame Type	Program Determined	Program Determined	Program Determined	Program Determined
Omega0	0	0	0	0
Connection Type	Program Determined	Program Determined	Program Determined	Program Determined
Relative Hinge Distance Sh/L Left	0	0	0	0
Yield Line Yc/h Parameter	0	0	0	0
Relative Hinge Distance Sh/L Right	0	0	0	0
BRB Beta Factor	0	0	0	0
BRB Beta*Omega Factor	0	0	0	0
Perform RBS Capacity Design	Program Determined	Program Determined	Program Determined	Program Determined
Check Deflection?	Program Determined	Program Determined	Program Determined	Program Determined
Deflection Type	Program Determined	Program Determined	Program Determined	Program Determined
DL Ratio	0	0	0	0
SDL+LL Ratio	0	0	0	0
LL Ratio	0	0	0	0
Total Ratio	0	0	0	0
Camber Ratio	0	0	0	0
Specified Camber mm	0	0	0	0
Net Area Ratio	0	0	0	0
LLRF	0	0	0	0
Unbraced Length Ratio Major	0	0	0	0
Unbraced Length Ratio Minor	0	0	0	0
Unbraced Length Ratio (LTB)	0	0	0	0
Effective Length Factor 1 Major	0	0	0	0
Effective Length Factor 1 Minor	0	0	0	0
Effective Length Factor 2 Major	0	0	0	0
Effective Length Factor 2 Minor	0	0	0	0
Effective Length Factor (KLTB)	0	0	0	0
Moment Coefficient (Cm Major)	0	0	0	0
Moment Coefficient (Cm Minor)	0	0	0	0
Bending Coefficient (Cb)	0	0	0	0
Nonsway Moment Factor (B1 Major)	0	0	0	0
Nonsway Moment Factor (B1 Minor)	0	0	0	0
Sway Moment Factor (B2 Major)	0	0	0	0
Sway Moment Factor (B2 Minor)	0	0	0	0
Reduce HSS Thickness?	Program Determined	Program Determined	Program Determined	Program Determined
HSS Welding Type?	Program Determined	Program Determined	Program Determined	Program Determined
Yield stress, Fy kgf/mm2	0	0	0	0
Expected to specified Fy ratio, Ry	0	0	0	0
Compressive Capacity, Pnc tonf	0	0	0	0
Tensile Capacity, Pnt tonf	0	0	0	0
Major Bending Capacity, Mn3 tonf-m	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 1 of 25, continued)

Item	Value	Value	Value	Value
Minor Bending Capacity, Mn2 tonf-m	0	0	0	0
Major Shear Capacity, Vn2 tonf	0	0	0	0
Minor Shear Capacity, Vn3 tonf	0	0	0	0
D/C Ratio Limit	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 2 of 25)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 2 of 25, continued)

Value	Value	Value	Value	Value	Value
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 3 of 25)

Value	Value	Value	Value	Value	Value
Story2	Story2	Story2	Story3	Story3	Story3
C10	C11	C12	B214	B215	B216
163	209	208	470	471	472
Column	Column	Column	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 3 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 4 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B218	B219	B220	B230	B231	B232
474	475	476	486	487	488
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 4 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 5 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B235	B236	B237	B238	B239	B240
491	492	493	494	495	496
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 5 of 25, continued)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 6 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B242	B243	B244	B245	B246	B247
504	505	506	507	508	509
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

[illegible]

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B249	B250	B251	B252	B253	B254
511	512	513	514	515	516
Beam	Beam	Beam	Beam	Beam	Beam

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 7 of 25, continued)

Value	Value	Value	Value	Value	Value
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 8 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B256	B257	B258	B259	B22	B23
518	519	520	521	31	32
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 8 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 9 of 25)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 9 of 25, continued)

Value	Value	Value	Value	Value	Value
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 10 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B32	B33	B34	B35	B36	B37
41	42	43	44	45	46
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 10 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 11 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B39	B61	B62	B63	B64	B65
48	76	77	78	79	80
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 11 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 12 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B67	B68	B69	B70	B71	B72
82	83	84	85	86	87
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 12 of 25, continued)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 13 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B74	B75	B76	B77	B78	B100
89	90	91	92	93	121
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 13 of 25, continued)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 14 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B102	B103	B104	B105	B106	B107
123	124	125	126	127	128
Beam	Beam	Beam	Beam	Beam	Beam

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 14 of 25, continued)

Value	Value	Value	Value	Value	Value
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 15 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B109	B110	B111	B112	B113	B114
130	131	132	133	134	135
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 15 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 16 of 25)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 16 of 25, continued)

Value	Value	Value	Value	Value	Value
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 17 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B144	B145	B146	B147	B148	B149
171	172	173	174	175	176
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 17 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 18 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B151	B152	B153	B154	B155	B156
178	179	180	181	182	183
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 18 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 19 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B179	B180	B181	B182	B183	B184
212	213	214	215	216	217
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0

[illegible]

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B186	B187	B188	B189	B190	B191
219	220	221	222	223	224
Beam	Beam	Beam	Beam	Beam	Beam
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 20 of 25, continued)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 21 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
B193	B194	B195	D1	D2	D3
226	227	228	469	498	503
Beam	Beam	Beam	Brace	Brace	Brace

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 21 of 25, continued)

Value	Value	Value	Value	Value	Value
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 22 of 25)

Value	Value	Value	Value	Value	Value
Story3	Story3	Story3	Story3	Story3	Story3
D5	D6	D7	D8	D9	D10
30	49	75	94	120	139
Brace	Brace	Brace	Brace	Brace	Brace
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 22 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 23 of 25)

[illegible]

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 23 of 25, continued)

Value	Value	Value	Value	Value	Value
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 24 of 25)

Value	Value	Value	Value	Value	Value
Story2	Story2	Story2	Story2	Story2	Story2
D19	D20	D21	D22	D23	D24
255	256	257	258	259	260
Brace	Brace	Brace	Brace	Brace	Brace
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 24 of 25, continued)

Value	Value	Value	Value	Value	Value
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
Program Determined	Program Determined	Program Determined	Program Determined	Program Determined	Program Determined
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 25 of 25)

Value
Story2
D26
262
Brace
Program Determined
Program Determined
0
Program Determined
0
0
0
0
0
Program Determined
Program Determined
Program Determined
0
0
0
0
0
0
0
0

Table 6.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 25 of 25, continued)

Value
0
0
0
0
0
0
0
0
0
0
0
0
0
0
Program Determined
Program Determined
0
0
0
0
0
0
0
0
0

Table 6.3 - Steel Column Envelope - AISC 360-16

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
Story2	C1	4	ColumnaFabricada	$0.23 = 0.02 + 0.205 + 0.005$	DStiS2	0.06	0.000432	Slender
Story2	C2	3	ColumnaFabricada	$0.23 = 0.02 + 0.205 + 0.005$	DStiS2	0.06	0.000432	Slender
Story2	C252	502	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 0$	DStiS2	0.113	0.0003415	Slender
Story2	C253	501	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 0$	DStiS2	0.113	0.0003415	Slender
Story2	C3	29	ColumnaFabricada	$0.44 = 0.055 + 0.385 + 0$	DStiS2	0.113	0.0001753	Slender
Story2	C4	28	ColumnaFabricada	$0.44 = 0.055 + 0.385 + 0$	DStiS2	0.113	0.0001753	Slender
Story2	C5	74	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 1.577E-04$	DStiS2	0.113	0.0003464	Slender
Story2	C6	73	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 1.577E-04$	DStiS2	0.113	0.0003464	Slender
Story2	C7	119	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 1.613E-04$	DStiS2	0.113	0.000347	Slender
Story2	C8	118	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 1.613E-04$	DStiS2	0.113	0.000347	Slender
Story2	C9	164	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 0$	DStiS2	0.113	0.0003415	Slender
Story2	C10	163	ColumnaFabricada	$0.423 = 0.038 + 0.385 + 0$	DStiS2	0.113	0.0003415	Slender
Story2	C11	209	ColumnaFabricada	$0.23 = 0.02 + 0.205 + 0.005$	DStiS2	0.06	0.0004318	Slender
Story2	C12	208	ColumnaFabricada	$0.23 = 0.02 + 0.205 + 0.005$	DStiS2	0.06	0.0004318	Slender

Table 6.4 - Steel Beam Envelope - AISC 360-16 (Part 1 of 2)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
470	Story3	B214	Vigaprefabricada	$0.383 = 0.028 + 0.273 + 0.082$	DStIS4	0.08	0.001	Slender
471	Story3	B215	Vigaprefabricada	$0.256 = 0.027 + 0.174 + 0.055$	DStIS4	0.071	0.001	Slender
472	Story3	B216	Vigaprefabricada	$0.14 = 0.026 + 0.086 + 0.028$	DStIS4	0.063	0.001	Slender
473	Story3	B217	Vigaprefabricada	$0.107 = 0.025 + 0.054 + 0.027$	DStIS3	0.054	0.001	Slender
474	Story3	B218	Vigaprefabricada	$0.185 = 0.024 + 0.107 + 0.054$	DStIS4	0.044	0.001	Slender
475	Story3	B219	Vigaprefabricada	$0.252 = 0.023 + 0.148 + 0.081$	DStIS4	0.035	0.001	Slender
476	Story3	B220	Vigaprefabricada	$0.307 = 0.023 + 0.177 + 0.107$	DStIS4	0.025	0.001	Slender
486	Story3	B230	Vigaprefabricada	$0.351 = 0.023 + 0.195 + 0.134$	DStIS4	0.016	0.001	Slender
487	Story3	B231	Vigaprefabricada	$0.382 = 0.023 + 0.2 + 0.16$	DStIS4	0.008	0.001	Slender
488	Story3	B232	Vigaprefabricada	$0.382 = 0.023 + 0.2 + 0.16$	DStIS4	0.008	0.001	Slender
489	Story3	B233	Vigaprefabricada	$0.351 = 0.023 + 0.195 + 0.134$	DStIS4	0.016	0.001	Slender
491	Story3	B235	Vigaprefabricada	$0.307 = 0.023 + 0.177 + 0.107$	DStIS4	0.025	0.001	Slender
492	Story3	B236	Vigaprefabricada	$0.252 = 0.023 + 0.148 + 0.081$	DStIS4	0.035	0.001	Slender
493	Story3	B237	Vigaprefabricada	$0.185 = 0.024 + 0.107 + 0.054$	DStIS4	0.044	0.001	Slender
494	Story3	B238	Vigaprefabricada	$0.107 = 0.025 + 0.054 + 0.027$	DStIS3	0.054	0.001	Slender
495	Story3	B239	Vigaprefabricada	$0.14 = 0.026 + 0.086 + 0.028$	DStIS4	0.063	0.001	Slender
496	Story3	B240	Vigaprefabricada	$0.256 = 0.027 + 0.174 + 0.055$	DStIS4	0.071	0.001	Slender
497	Story3	B241	Vigaprefabricada	$0.383 = 0.028 + 0.273 + 0.082$	DStIS4	0.08	0.001	Slender
504	Story3	B242	Vigaprefabricada	$0.69 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.001	Slender
505	Story3	B243	Vigaprefabricada	$0.458 = 0.063 + 0.395 + 1.513E-04$	DStIS2	0.133	0.002	Slender
506	Story3	B244	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
507	Story3	B245	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
508	Story3	B246	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
509	Story3	B247	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
510	Story3	B248	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS3	0.047	0.001	Slender
511	Story3	B249	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS3	0.028	0.001	Slender
512	Story3	B250	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS3	0.012	0.001	Slender
513	Story3	B251	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS3	0.012	0.001	Slender
514	Story3	B252	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS3	0.028	0.001	Slender
515	Story3	B253	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS3	0.047	0.001	Slender
516	Story3	B254	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
517	Story3	B255	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
518	Story3	B256	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
519	Story3	B257	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
520	Story3	B258	Vigaprefabricada	$0.458 = 0.063 + 0.395 + 1.513E-04$	DStIS2	0.133	0.002	Slender
521	Story3	B259	Vigaprefabricada	$0.69 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.001	Slender
31	Story3	B22	Vigaprefabricada	$0.688 = 0.066 + 0.622 + 0$	DStIS2	0.149	0.002	Slender
32	Story3	B23	Vigaprefabricada	$0.458 = 0.063 + 0.395 + 0$	DStIS2	0.133	0.001	Slender
33	Story3	B24	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
34	Story3	B25	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
35	Story3	B26	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
36	Story3	B27	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
37	Story3	B28	Vigaprefabricada	$0.471 = 0.042 + 0.321 + 0.107$	DStIS3	0.047	0.001	Slender
38	Story3	B29	Vigaprefabricada	$0.529 = 0.042 + 0.353 + 0.134$	DStIS3	0.028	0.001	Slender
39	Story3	B30	Vigaprefabricada	$0.565 = 0.042 + 0.364 + 0.16$	DStIS3	0.012	0.001	Slender

Table 6.4 - Steel Beam Envelope - AISC 360-16 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
40	Story3	B31	Vigaprefabricada	$0.565 = 0.042 + 0.364 + 0.16$	DStIS3	0.012	0.001	Slender
41	Story3	B32	Vigaprefabricada	$0.529 = 0.042 + 0.353 + 0.134$	DStIS3	0.028	0.001	Slender
42	Story3	B33	Vigaprefabricada	$0.471 = 0.042 + 0.321 + 0.107$	DStIS3	0.047	0.001	Slender
43	Story3	B34	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
44	Story3	B35	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
45	Story3	B36	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
46	Story3	B37	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
47	Story3	B38	Vigaprefabricada	$0.458 = 0.063 + 0.395 + 0$	DStIS2	0.133	0.001	Slender
48	Story3	B39	Vigaprefabricada	$0.688 = 0.066 + 0.622 + 0$	DStIS2	0.149	0.002	Slender
76	Story3	B61	Vigaprefabricada	$0.69 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.001	Slender
77	Story3	B62	Vigaprefabricada	$0.459 = 0.063 + 0.395 + 2.432E-04$	DStIS2	0.133	0.002	Slender
78	Story3	B63	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
79	Story3	B64	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
80	Story3	B65	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
81	Story3	B66	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
82	Story3	B67	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS4	0.047	0.001	Slender
83	Story3	B68	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS4	0.028	0.001	Slender
84	Story3	B69	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS4	0.012	0.001	Slender
85	Story3	B70	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS4	0.012	0.001	Slender
86	Story3	B71	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS4	0.028	0.001	Slender
87	Story3	B72	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS4	0.047	0.001	Slender
88	Story3	B73	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
89	Story3	B74	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
90	Story3	B75	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
91	Story3	B76	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
92	Story3	B77	Vigaprefabricada	$0.459 = 0.063 + 0.395 + 2.432E-04$	DStIS2	0.133	0.002	Slender
93	Story3	B78	Vigaprefabricada	$0.69 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.001	Slender
121	Story3	B100	Vigaprefabricada	$0.689 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.001	Slender
122	Story3	B101	Vigaprefabricada	$0.459 = 0.063 + 0.395 + 3.024E-04$	DStIS2	0.133	0.001	Slender
123	Story3	B102	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
124	Story3	B103	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
125	Story3	B104	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
126	Story3	B105	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
127	Story3	B106	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS3	0.047	0.001	Slender
128	Story3	B107	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS3	0.028	0.001	Slender
129	Story3	B108	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS3	0.012	0.001	Slender
130	Story3	B109	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS3	0.012	0.001	Slender
131	Story3	B110	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS3	0.028	0.001	Slender
132	Story3	B111	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS3	0.047	0.001	Slender
133	Story3	B112	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
134	Story3	B113	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
135	Story3	B114	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
136	Story3	B115	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
137	Story3	B116	Vigaprefabricada	$0.459 = 0.063 + 0.395 + 3.024E-04$	DStIS2	0.133	0.001	Slender

Table 6.4 - Steel Beam Envelope - AISC 360-16 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
138	Story3	B117	Vigaprefabricada	$0.689 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.001	Slender
166	Story3	B139	Vigaprefabricada	$0.689 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.002	Slender
167	Story3	B140	Vigaprefabricada	$0.458 = 0.063 + 0.395 + 1.061E-04$	DStIS2	0.133	0.001	Slender
168	Story3	B141	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
169	Story3	B142	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
170	Story3	B143	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
171	Story3	B144	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
172	Story3	B145	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS4	0.047	0.001	Slender
173	Story3	B146	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS4	0.028	0.001	Slender
174	Story3	B147	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS4	0.012	0.001	Slender
175	Story3	B148	Vigaprefabricada	$0.566 = 0.041 + 0.365 + 0.16$	DStIS4	0.012	0.001	Slender
176	Story3	B149	Vigaprefabricada	$0.529 = 0.042 + 0.354 + 0.134$	DStIS4	0.028	0.001	Slender
177	Story3	B150	Vigaprefabricada	$0.472 = 0.042 + 0.322 + 0.107$	DStIS4	0.047	0.001	Slender
178	Story3	B151	Vigaprefabricada	$0.393 = 0.055 + 0.339 + 0$	DStIS2	0.065	0.001	Slender
179	Story3	B152	Vigaprefabricada	$0.302 = 0.056 + 0.245 + 0$	DStIS2	0.082	0.001	Slender
180	Story3	B153	Vigaprefabricada	$0.183 = 0.058 + 0.125 + 0$	DStIS2	0.1	0.001	Slender
181	Story3	B154	Vigaprefabricada	$0.255 = 0.06 + 0.195 + 0$	DStIS2	0.117	0.001	Slender
182	Story3	B155	Vigaprefabricada	$0.458 = 0.063 + 0.395 + 1.061E-04$	DStIS2	0.133	0.001	Slender
183	Story3	B156	Vigaprefabricada	$0.689 = 0.066 + 0.622 + 0.001$	DStIS2	0.149	0.002	Slender
211	Story3	B178	Vigaprefabricada	$0.387 = 0.028 + 0.273 + 0.085$	DStIS3	0.08	0.002	Slender
212	Story3	B179	Vigaprefabricada	$0.255 = 0.027 + 0.174 + 0.054$	DStIS3	0.071	0.001	Slender
213	Story3	B180	Vigaprefabricada	$0.139 = 0.026 + 0.086 + 0.027$	DStIS3	0.063	0.001	Slender
214	Story3	B181	Vigaprefabricada	$0.106 = 0.025 + 0.054 + 0.026$	DStIS4	0.054	0.001	Slender
215	Story3	B182	Vigaprefabricada	$0.185 = 0.024 + 0.107 + 0.054$	DStIS3	0.044	0.001	Slender
216	Story3	B183	Vigaprefabricada	$0.252 = 0.023 + 0.148 + 0.081$	DStIS3	0.035	0.001	Slender
217	Story3	B184	Vigaprefabricada	$0.307 = 0.023 + 0.177 + 0.107$	DStIS3	0.025	0.001	Slender
218	Story3	B185	Vigaprefabricada	$0.351 = 0.023 + 0.195 + 0.134$	DStIS3	0.016	0.001	Slender
219	Story3	B186	Vigaprefabricada	$0.382 = 0.023 + 0.2 + 0.16$	DStIS3	0.008	0.001	Slender
220	Story3	B187	Vigaprefabricada	$0.382 = 0.023 + 0.2 + 0.16$	DStIS3	0.008	0.001	Slender
221	Story3	B188	Vigaprefabricada	$0.351 = 0.023 + 0.195 + 0.134$	DStIS3	0.016	0.001	Slender
222	Story3	B189	Vigaprefabricada	$0.307 = 0.023 + 0.177 + 0.107$	DStIS3	0.025	0.001	Slender
223	Story3	B190	Vigaprefabricada	$0.252 = 0.023 + 0.148 + 0.081$	DStIS3	0.035	0.001	Slender
224	Story3	B191	Vigaprefabricada	$0.185 = 0.024 + 0.107 + 0.054$	DStIS3	0.044	0.001	Slender
225	Story3	B192	Vigaprefabricada	$0.106 = 0.025 + 0.054 + 0.026$	DStIS4	0.054	0.001	Slender
226	Story3	B193	Vigaprefabricada	$0.139 = 0.026 + 0.086 + 0.027$	DStIS3	0.063	0.001	Slender
227	Story3	B194	Vigaprefabricada	$0.255 = 0.027 + 0.174 + 0.054$	DStIS3	0.071	0.001	Slender
228	Story3	B195	Vigaprefabricada	$0.387 = 0.028 + 0.273 + 0.085$	DStIS3	0.08	0.002	Slender

Table 6.4 - Steel Beam Envelope - AISC 360-16 (Part 2 of 2)

UniqueName	Conn. V I-End tonf	Conn. V J-End tonf
470	0	0
471	0	0
472	0	0

Table 6.4 - Steel Beam Envelope - AISC 360-16 (Part 2 of 2, continued)

UniqueName	Conn. V I-End tonf	Conn. V J-End tonf
473	0	0
474	0	0
475	0	0
476	0	0
486	0	0
487	0	0
488	0	0
489	0	0
491	0	0
492	0	0
493	0	0
494	0	0
495	0	0
496	0	0
497	0	0
504	0	0
505	0	0
506	0	0
507	0	0
508	0	0
509	0	0
510	0	0
511	0	0
512	0	0
513	0	0
514	0	0
515	0	0
516	0	0
517	0	0
518	0	0
519	0	0
520	0	0
521	0	0
31	0	0
32	0	0
33	0	0
34	0	0
35	0	0
36	0	0
37	0	0
38	0	0
39	0	0
40	0	0
41	0	0

Table 6.4 - Steel Beam Envelope - AISC 360-16 (Part 2 of 2, continued)

UniqueName	Conn. V I-End tonf	Conn. V J-End tonf
42	0	0
43	0	0
44	0	0
45	0	0
46	0	0
47	0	0
48	0	0
76	0	0
77	0	0
78	0	0
79	0	0
80	0	0
81	0	0
82	0	0
83	0	0
84	0	0
85	0	0
86	0	0
87	0	0
88	0	0
89	0	0
90	0	0
91	0	0
92	0	0
93	0	0
121	0	0
122	0	0
123	0	0
124	0	0
125	0	0
126	0	0
127	0	0
128	0	0
129	0	0
130	0	0
131	0	0
132	0	0
133	0	0
134	0	0
135	0	0
136	0	0
137	0	0
138	0	0
166	0	0

Table 6.4 - Steel Beam Envelope - AISC 360-16 (Part 2 of 2, continued)

UniqueName	Conn. V I-End tonf	Conn. V J-End tonf
167	0	0
168	0	0
169	0	0
170	0	0
171	0	0
172	0	0
173	0	0
174	0	0
175	0	0
176	0	0
177	0	0
178	0	0
179	0	0
180	0	0
181	0	0
182	0	0
183	0	0
211	0	0
212	0	0
213	0	0
214	0	0
215	0	0
216	0	0
217	0	0
218	0	0
219	0	0
220	0	0
221	0	0
222	0	0
223	0	0
224	0	0
225	0	0
226	0	0
227	0	0
228	0	0

Table 6.5 - Steel Brace Envelope - AISC 360-16 (Part 1 of 2)

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
469	Story3	D1	Vigaprefabricada	$0.539 = 0.03 + 0.385 + 0.124$	DStIS4	0.088	0.002	Slender
498	Story3	D2	Vigaprefabricada	$0.539 = 0.03 + 0.385 + 0.124$	DStIS4	0.088	0.002	Slender
503	Story3	D3	Vigaprefabricada	$0.947 = 0.069 + 0.876 + 0.001$	DStIS2	0.165	0.002	Slender
522	Story3	D4	Vigaprefabricada	$0.947 = 0.069 + 0.876 + 0.001$	DStIS2	0.165	0.002	Slender
30	Story3	D5	Vigaprefabricada	$0.946 = 0.069 + 0.876 + 0$	DStIS2	0.165	0.002	Slender

Table 6.5 - Steel Brace Envelope - AISC 360-16 (Part 1 of 2, continued)

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class
49	Story3	D6	Vigaprefabricada	$0.946 = 0.069 + 0.876 + 0$	DStIS2	0.165	0.002	Slender
75	Story3	D7	Vigaprefabricada	$0.948 = 0.069 + 0.876 + 0.002$	DStIS2	0.165	0.002	Slender
94	Story3	D8	Vigaprefabricada	$0.948 = 0.069 + 0.876 + 0.002$	DStIS2	0.165	0.002	Slender
120	Story3	D9	Vigaprefabricada	$0.948 = 0.069 + 0.876 + 0.002$	DStIS2	0.165	0.002	Slender
139	Story3	D10	Vigaprefabricada	$0.948 = 0.069 + 0.876 + 0.002$	DStIS2	0.165	0.002	Slender
165	Story3	D11	Vigaprefabricada	$0.947 = 0.069 + 0.876 + 0.001$	DStIS2	0.165	0.002	Slender
184	Story3	D12	Vigaprefabricada	$0.947 = 0.069 + 0.876 + 0.001$	DStIS2	0.165	0.002	Slender
210	Story3	D13	Vigaprefabricada	$0.538 = 0.03 + 0.385 + 0.124$	DStIS3	0.088	0.002	Slender
229	Story3	D14	Vigaprefabricada	$0.538 = 0.03 + 0.385 + 0.124$	DStIS3	0.088	0.002	Slender
251	Story2	D15	HSS4.000X0.125	$0.379 = 0.145 + 0.016 + 0.142$	DStIS4	0.002	0.004	Seismic MD
252	Story2	D16	HSS4.000X0.125	$0.336 = 0.119 + 0.016 + 0.128$	DStIS3	0.002	0.004	Seismic MD
253	Story2	D17	HSS4.000X0.125	$0.385 = 0.159 + 0.016 + 0.136$	DStIS4	0.002	0.004	Seismic MD
254	Story2	D18	HSS4.000X0.125	$0.374 = 0.148 + 0.016 + 0.136$	DStIS3	0.002	0.004	Seismic MD
255	Story2	D19	HSS4.000X0.125	$0.331 = 0.114 + 0.016 + 0.128$	DStIS4	0.002	0.004	Seismic MD
256	Story2	D20	HSS4.000X0.125	$0.385 = 0.152 + 0.016 + 0.141$	DStIS3	0.002	0.004	Seismic MD
257	Story2	D21	HSS4.000X0.125	$0.379 = 0.145 + 0.016 + 0.142$	DStIS4	0.002	0.004	Seismic MD
258	Story2	D22	HSS4.000X0.125	$0.336 = 0.119 + 0.016 + 0.128$	DStIS3	0.002	0.004	Seismic MD
259	Story2	D23	HSS4.000X0.125	$0.385 = 0.159 + 0.016 + 0.136$	DStIS4	0.002	0.004	Seismic MD
260	Story2	D24	HSS4.000X0.125	$0.374 = 0.148 + 0.016 + 0.136$	DStIS3	0.002	0.004	Seismic MD
261	Story2	D25	HSS4.000X0.125	$0.331 = 0.114 + 0.016 + 0.128$	DStIS4	0.002	0.004	Seismic MD
262	Story2	D26	HSS4.000X0.125	$0.385 = 0.152 + 0.016 + 0.141$	DStIS3	0.002	0.004	Seismic MD

Table 6.5 - Steel Brace Envelope - AISC 360-16 (Part 2 of 2)

UniqueName	Conn. P I-End tonf	Conn. P J-End tonf
469	-7.55	-7.55
498	-7.55	-7.55
503	-14.1618	-14.1618
522	-14.1618	-14.1618
30	-14.1606	-14.1606
49	-14.1606	-14.1606
75	-14.1603	-14.1603
94	-14.1603	-14.1603
120	-14.1603	-14.1603
139	-14.1603	-14.1603
165	-14.1618	-14.1618
184	-14.1618	-14.1618
210	-7.55	-7.55
229	-7.55	-7.55
251	-0.5056	-0.5056
252	-0.4257	-0.4257
253	-0.5476	-0.5476
254	-0.5153	-0.5153
255	-0.4112	-0.4112

Table 6.5 - Steel Brace Envelope - AISC 360-16 (Part 2 of 2, continued)

UniqueName	Conn. P I-End tonf	Conn. P J-End tonf
256	-0.5254	-0.5254
257	-0.5056	-0.5056
258	-0.4257	-0.4257
259	-0.5476	-0.5476
260	-0.5153	-0.5153
261	-0.4112	-0.4112
262	-0.5254	-0.5254

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 1 of 2)

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio
4	Story2	C1	Column	ColumnaFabricada	No Message	DStIS2(C)	0.23	0.02	0.205
3	Story2	C2	Column	ColumnaFabricada	No Message	DStIS2(C)	0.23	0.02	0.205
502	Story2	C252	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
501	Story2	C253	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
29	Story2	C3	Column	ColumnaFabricada	No Message	DStIS2(C)	0.44	0.055	0.385
28	Story2	C4	Column	ColumnaFabricada	No Message	DStIS2(C)	0.44	0.055	0.385
74	Story2	C5	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
73	Story2	C6	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
119	Story2	C7	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
118	Story2	C8	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
164	Story2	C9	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
163	Story2	C10	Column	ColumnaFabricada	No Message	DStIS2(C)	0.423	0.038	0.385
209	Story2	C11	Column	ColumnaFabricada	No Message	DStIS2(C)	0.23	0.02	0.205
208	Story2	C12	Column	ColumnaFabricada	No Message	DStIS2(C)	0.23	0.02	0.205
470	Story3	B214	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.383	0.028	0.273
471	Story3	B215	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.256	0.027	0.174
472	Story3	B216	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.14	0.026	0.086
473	Story3	B217	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.107	0.025	0.054
474	Story3	B218	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.185	0.024	0.107
475	Story3	B219	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.252	0.023	0.148
476	Story3	B220	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.307	0.023	0.177
486	Story3	B230	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.351	0.023	0.195
487	Story3	B231	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.382	0.023	0.2
488	Story3	B232	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.382	0.023	0.2
489	Story3	B233	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.351	0.023	0.195
491	Story3	B235	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.307	0.023	0.177
492	Story3	B236	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.252	0.023	0.148
493	Story3	B237	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.185	0.024	0.107
494	Story3	B238	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.107	0.025	0.054
495	Story3	B239	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.14	0.026	0.086
496	Story3	B240	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.256	0.027	0.174
497	Story3	B241	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.383	0.028	0.273

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio
504	Story3	B242	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.69	0.066	0.622
505	Story3	B243	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.458	0.063	0.395
506	Story3	B244	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
507	Story3	B245	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
508	Story3	B246	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
509	Story3	B247	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
510	Story3	B248	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.472	0.042	0.322
511	Story3	B249	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.529	0.042	0.354
512	Story3	B250	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.566	0.041	0.365
513	Story3	B251	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.566	0.041	0.365
514	Story3	B252	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.529	0.042	0.354
515	Story3	B253	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.472	0.042	0.322
516	Story3	B254	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
517	Story3	B255	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
518	Story3	B256	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
519	Story3	B257	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
520	Story3	B258	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.458	0.063	0.395
521	Story3	B259	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.69	0.066	0.622
31	Story3	B22	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.688	0.066	0.622
32	Story3	B23	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.458	0.063	0.395
33	Story3	B24	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
34	Story3	B25	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
35	Story3	B26	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
36	Story3	B27	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
37	Story3	B28	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.471	0.042	0.321
38	Story3	B29	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.529	0.042	0.353
39	Story3	B30	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.565	0.042	0.364
40	Story3	B31	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.565	0.042	0.364
41	Story3	B32	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.529	0.042	0.353
42	Story3	B33	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.471	0.042	0.321
43	Story3	B34	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
44	Story3	B35	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
45	Story3	B36	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
46	Story3	B37	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
47	Story3	B38	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.458	0.063	0.395
48	Story3	B39	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.688	0.066	0.622
76	Story3	B61	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.69	0.066	0.622
77	Story3	B62	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.459	0.063	0.395
78	Story3	B63	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
79	Story3	B64	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
80	Story3	B65	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
81	Story3	B66	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
82	Story3	B67	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.472	0.042	0.322
83	Story3	B68	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.529	0.042	0.354

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio
84	Story3	B69	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.566	0.041	0.365
85	Story3	B70	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.566	0.041	0.365
86	Story3	B71	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.529	0.042	0.354
87	Story3	B72	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.472	0.042	0.322
88	Story3	B73	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
89	Story3	B74	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
90	Story3	B75	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
91	Story3	B76	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
92	Story3	B77	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.459	0.063	0.395
93	Story3	B78	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.69	0.066	0.622
121	Story3	B100	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.689	0.066	0.622
122	Story3	B101	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.459	0.063	0.395
123	Story3	B102	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
124	Story3	B103	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
125	Story3	B104	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
126	Story3	B105	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
127	Story3	B106	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.472	0.042	0.322
128	Story3	B107	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.529	0.042	0.354
129	Story3	B108	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.566	0.041	0.365
130	Story3	B109	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.566	0.041	0.365
131	Story3	B110	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.529	0.042	0.354
132	Story3	B111	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.472	0.042	0.322
133	Story3	B112	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
134	Story3	B113	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
135	Story3	B114	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
136	Story3	B115	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
137	Story3	B116	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.459	0.063	0.395
138	Story3	B117	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.689	0.066	0.622
166	Story3	B139	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.689	0.066	0.622
167	Story3	B140	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.458	0.063	0.395
168	Story3	B141	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195
169	Story3	B142	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
170	Story3	B143	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
171	Story3	B144	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
172	Story3	B145	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.472	0.042	0.322
173	Story3	B146	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.529	0.042	0.354
174	Story3	B147	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.566	0.041	0.365
175	Story3	B148	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.566	0.041	0.365
176	Story3	B149	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.529	0.042	0.354
177	Story3	B150	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.472	0.042	0.322
178	Story3	B151	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.393	0.055	0.339
179	Story3	B152	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.302	0.056	0.245
180	Story3	B153	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.183	0.058	0.125
181	Story3	B154	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.255	0.06	0.195

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio
182	Story3	B155	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.458	0.063	0.395
183	Story3	B156	Beam	Vigaprefabricada	No Message	DStIS2(C)	0.689	0.066	0.622
211	Story3	B178	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.387	0.028	0.273
212	Story3	B179	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.255	0.027	0.174
213	Story3	B180	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.139	0.026	0.086
214	Story3	B181	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.106	0.025	0.054
215	Story3	B182	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.185	0.024	0.107
216	Story3	B183	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.252	0.023	0.148
217	Story3	B184	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.307	0.023	0.177
218	Story3	B185	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.351	0.023	0.195
219	Story3	B186	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.382	0.023	0.2
220	Story3	B187	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.382	0.023	0.2
221	Story3	B188	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.351	0.023	0.195
222	Story3	B189	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.307	0.023	0.177
223	Story3	B190	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.252	0.023	0.148
224	Story3	B191	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.185	0.024	0.107
225	Story3	B192	Beam	Vigaprefabricada	No Message	DStIS4(C)	0.106	0.025	0.054
226	Story3	B193	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.139	0.026	0.086
227	Story3	B194	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.255	0.027	0.174
228	Story3	B195	Beam	Vigaprefabricada	No Message	DStIS3(C)	0.387	0.028	0.273
469	Story3	D1	Brace	Vigaprefabricada	No Message	DStIS4(C)	0.539	0.03	0.385
498	Story3	D2	Brace	Vigaprefabricada	No Message	DStIS4(C)	0.539	0.03	0.385
503	Story3	D3	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.947	0.069	0.876
522	Story3	D4	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.947	0.069	0.876
30	Story3	D5	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.946	0.069	0.876
49	Story3	D6	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.946	0.069	0.876
75	Story3	D7	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.948	0.069	0.876
94	Story3	D8	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.948	0.069	0.876
120	Story3	D9	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.948	0.069	0.876
139	Story3	D10	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.948	0.069	0.876
165	Story3	D11	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.947	0.069	0.876
184	Story3	D12	Brace	Vigaprefabricada	No Message	DStIS2(C)	0.947	0.069	0.876
210	Story3	D13	Brace	Vigaprefabricada	No Message	DStIS3(C)	0.538	0.03	0.385
229	Story3	D14	Brace	Vigaprefabricada	No Message	DStIS3(C)	0.538	0.03	0.385
251	Story2	D15	Brace	HSS4.000X0.125	Warning: See Message	DStIS4(C)	0.379	0.145	0.016
252	Story2	D16	Brace	HSS4.000X0.125	Warning: See Message	DStIS3(C)	0.336	0.119	0.016
253	Story2	D17	Brace	HSS4.000X0.125	Warning: See Message	DStIS4(C)	0.385	0.159	0.016
254	Story2	D18	Brace	HSS4.000X0.125	Warning: See Message	DStIS3(C)	0.374	0.148	0.016
255	Story2	D19	Brace	HSS4.000X0.125	Warning: See Message	DStIS4(C)	0.331	0.114	0.016
256	Story2	D20	Brace	HSS4.000X0.125	Warning: See Message	DStIS3(C)	0.385	0.152	0.016
257	Story2	D21	Brace	HSS4.000X0.125	Warning: See Message	DStIS4(C)	0.379	0.145	0.016
258	Story2	D22	Brace	HSS4.000X0.125	Warning: See Message	DStIS3(C)	0.336	0.119	0.016
259	Story2	D23	Brace	HSS4.000X0.125	Warning: See Message	DStIS4(C)	0.385	0.159	0.016
260	Story2	D24	Brace	HSS4.000X0.125	Warning: See Message	DStIS3(C)	0.374	0.148	0.016

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio
261	Story2	D25	Brace	HSS4.000X0.125	Warning: See Message	DStIS4(C)	0.331	0.114	0.016
262	Story2	D26	Brace	HSS4.000X0.125	Warning: See Message	DStIS3(C)	0.385	0.152	0.016

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 2 of 2)

UniqueName	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
4	0.005	DStIS2	0.06	DStIS3	0.000432	
3	0.005	DStIS2	0.06	DStIS3	0.000432	
502	0	DStIS2	0.113	DStIS3	0.0003415	
501	0	DStIS2	0.113	DStIS3	0.0003415	
29	0	DStIS2	0.113	DStIS4	0.0001753	
28	0	DStIS2	0.113	DStIS4	0.0001753	
74	0.0001577	DStIS2	0.113	DStIS4	0.0003464	
73	0.0001577	DStIS2	0.113	DStIS4	0.0003464	
119	0.0001613	DStIS2	0.113	DStIS3	0.000347	
118	0.0001613	DStIS2	0.113	DStIS3	0.000347	
164	0	DStIS2	0.113	DStIS4	0.0003415	
163	0	DStIS2	0.113	DStIS4	0.0003415	
209	0.005	DStIS2	0.06	DStIS4	0.0004318	
208	0.005	DStIS2	0.06	DStIS4	0.0004318	
470	0.082	DStIS2	0.08	DStIS4	0.001	
471	0.055	DStIS2	0.071	DStIS3	0.001	
472	0.028	DStIS2	0.063	DStIS3	0.001	
473	0.027	DStIS2	0.054	DStIS3	0.001	
474	0.054	DStIS2	0.044	DStIS3	0.001	
475	0.081	DStIS2	0.035	DStIS3	0.001	
476	0.107	DStIS2	0.025	DStIS3	0.001	
486	0.134	DStIS4	0.016	DStIS3	0.001	
487	0.16	DStIS4	0.008	DStIS3	0.001	
488	0.16	DStIS3	0.008	DStIS3	0.001	
489	0.134	DStIS3	0.016	DStIS3	0.001	
491	0.107	DStIS2	0.025	DStIS3	0.001	
492	0.081	DStIS2	0.035	DStIS3	0.001	
493	0.054	DStIS2	0.044	DStIS3	0.001	
494	0.027	DStIS2	0.054	DStIS3	0.001	
495	0.028	DStIS2	0.063	DStIS3	0.001	
496	0.055	DStIS2	0.071	DStIS3	0.001	
497	0.082	DStIS2	0.08	DStIS4	0.001	
504	0.001	DStIS2	0.149	DStIS3	0.001	
505	0.0001513	DStIS2	0.133	DStIS4	0.002	
506	0	DStIS2	0.117	DStIS3	0.001	
507	0	DStIS2	0.1	DStIS4	0.001	
508	0	DStIS2	0.082	DStIS4	0.001	
509	0	DStIS2	0.065	DStIS4	0.001	

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 2 of 2, continued)

UniqueName	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
510	0.107	DStIS2	0.047	DStIS4	0.001	
511	0.134	DStIS2	0.028	DStIS4	0.001	
512	0.16	DStIS4	0.012	DStIS4	0.001	
513	0.16	DStIS3	0.012	DStIS4	0.001	
514	0.134	DStIS2	0.028	DStIS4	0.001	
515	0.107	DStIS2	0.047	DStIS4	0.001	
516	0	DStIS2	0.065	DStIS4	0.001	
517	0	DStIS2	0.082	DStIS4	0.001	
518	0	DStIS2	0.1	DStIS4	0.001	
519	0	DStIS2	0.117	DStIS3	0.001	
520	0.0001513	DStIS2	0.133	DStIS4	0.002	
521	0.001	DStIS2	0.149	DStIS3	0.001	
31	0	DStIS2	0.149	DStIS4	0.002	
32	0	DStIS2	0.133	DStIS3	0.001	
33	0	DStIS2	0.117	DStIS3	0.001	
34	0	DStIS2	0.1	DStIS4	0.001	
35	0	DStIS2	0.082	DStIS4	0.001	
36	0	DStIS2	0.065	DStIS4	0.001	
37	0.107	DStIS2	0.047	DStIS4	0.001	
38	0.134	DStIS2	0.028	DStIS4	0.001	
39	0.16	DStIS4	0.012	DStIS4	0.001	
40	0.16	DStIS3	0.012	DStIS4	0.001	
41	0.134	DStIS2	0.028	DStIS4	0.001	
42	0.107	DStIS2	0.047	DStIS4	0.001	
43	0	DStIS2	0.065	DStIS4	0.001	
44	0	DStIS2	0.082	DStIS4	0.001	
45	0	DStIS2	0.1	DStIS4	0.001	
46	0	DStIS2	0.117	DStIS3	0.001	
47	0	DStIS2	0.133	DStIS3	0.001	
48	0	DStIS2	0.149	DStIS4	0.002	
76	0.001	DStIS2	0.149	DStIS4	0.001	
77	0.0002432	DStIS2	0.133	DStIS3	0.002	
78	0	DStIS2	0.117	DStIS3	0.001	
79	0	DStIS2	0.1	DStIS3	0.001	
80	0	DStIS2	0.082	DStIS3	0.001	
81	0	DStIS2	0.065	DStIS3	0.001	
82	0.107	DStIS2	0.047	DStIS3	0.001	
83	0.134	DStIS2	0.028	DStIS3	0.001	
84	0.16	DStIS4	0.012	DStIS3	0.001	
85	0.16	DStIS3	0.012	DStIS3	0.001	
86	0.134	DStIS2	0.028	DStIS3	0.001	
87	0.107	DStIS2	0.047	DStIS3	0.001	
88	0	DStIS2	0.065	DStIS3	0.001	
89	0	DStIS2	0.082	DStIS3	0.001	
90	0	DStIS2	0.1	DStIS3	0.001	

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 2 of 2, continued)

UniqueName	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
91	0	DStIS2	0.117	DStIS3	0.001	
92	0.0002432	DStIS2	0.133	DStIS3	0.002	
93	0.001	DStIS2	0.149	DStIS4	0.001	
121	0.001	DStIS2	0.149	DStIS3	0.001	
122	0.0003024	DStIS2	0.133	DStIS4	0.001	
123	0	DStIS2	0.117	DStIS3	0.001	
124	0	DStIS2	0.1	DStIS3	0.001	
125	0	DStIS2	0.082	DStIS3	0.001	
126	0	DStIS2	0.065	DStIS3	0.001	
127	0.107	DStIS2	0.047	DStIS4	0.001	
128	0.134	DStIS2	0.028	DStIS4	0.001	
129	0.16	DStIS4	0.012	DStIS4	0.001	
130	0.16	DStIS3	0.012	DStIS4	0.001	
131	0.134	DStIS2	0.028	DStIS4	0.001	
132	0.107	DStIS2	0.047	DStIS4	0.001	
133	0	DStIS2	0.065	DStIS3	0.001	
134	0	DStIS2	0.082	DStIS3	0.001	
135	0	DStIS2	0.1	DStIS3	0.001	
136	0	DStIS2	0.117	DStIS3	0.001	
137	0.0003024	DStIS2	0.133	DStIS4	0.001	
138	0.001	DStIS2	0.149	DStIS3	0.001	
166	0.001	DStIS2	0.149	DStIS4	0.002	
167	0.0001061	DStIS2	0.133	DStIS3	0.001	
168	0	DStIS2	0.117	DStIS4	0.001	
169	0	DStIS2	0.1	DStIS3	0.001	
170	0	DStIS2	0.082	DStIS3	0.001	
171	0	DStIS2	0.065	DStIS3	0.001	
172	0.107	DStIS2	0.047	DStIS3	0.001	
173	0.134	DStIS2	0.028	DStIS3	0.001	
174	0.16	DStIS4	0.012	DStIS3	0.001	
175	0.16	DStIS3	0.012	DStIS3	0.001	
176	0.134	DStIS2	0.028	DStIS3	0.001	
177	0.107	DStIS2	0.047	DStIS3	0.001	
178	0	DStIS2	0.065	DStIS3	0.001	
179	0	DStIS2	0.082	DStIS3	0.001	
180	0	DStIS2	0.1	DStIS3	0.001	
181	0	DStIS2	0.117	DStIS4	0.001	
182	0.0001061	DStIS2	0.133	DStIS3	0.001	
183	0.001	DStIS2	0.149	DStIS4	0.002	
211	0.085	DStIS2	0.08	DStIS3	0.002	
212	0.054	DStIS2	0.071	DStIS4	0.001	
213	0.027	DStIS2	0.063	DStIS4	0.001	
214	0.026	DStIS2	0.054	DStIS4	0.001	
215	0.054	DStIS2	0.044	DStIS4	0.001	
216	0.081	DStIS2	0.035	DStIS4	0.001	

Table 6.6 - Steel Frame Design Summary - AISC 360-16 (Part 2 of 2, continued)

UniqueName	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
217	0.107	DStIS2	0.025	DStIS4	0.001	
218	0.134	DStIS4	0.016	DStIS4	0.001	
219	0.16	DStIS4	0.008	DStIS4	0.001	
220	0.16	DStIS3	0.008	DStIS4	0.001	
221	0.134	DStIS3	0.016	DStIS4	0.001	
222	0.107	DStIS2	0.025	DStIS4	0.001	
223	0.081	DStIS2	0.035	DStIS4	0.001	
224	0.054	DStIS2	0.044	DStIS4	0.001	
225	0.026	DStIS2	0.054	DStIS4	0.001	
226	0.027	DStIS2	0.063	DStIS4	0.001	
227	0.054	DStIS2	0.071	DStIS4	0.001	
228	0.085	DStIS2	0.08	DStIS3	0.002	
469	0.124	DStIS2	0.088	DStIS4	0.002	
498	0.124	DStIS2	0.088	DStIS4	0.002	
503	0.001	DStIS2	0.165	DStIS4	0.002	
522	0.001	DStIS2	0.165	DStIS4	0.002	
30	0	DStIS2	0.165	DStIS4	0.002	
49	0	DStIS2	0.165	DStIS4	0.002	
75	0.002	DStIS2	0.165	DStIS4	0.002	
94	0.002	DStIS2	0.165	DStIS4	0.002	
120	0.002	DStIS2	0.165	DStIS3	0.002	
139	0.002	DStIS2	0.165	DStIS3	0.002	
165	0.001	DStIS2	0.165	DStIS4	0.002	
184	0.001	DStIS2	0.165	DStIS4	0.002	
210	0.124	DStIS2	0.088	DStIS3	0.002	
229	0.124	DStIS2	0.088	DStIS3	0.002	
251	0.142	DStIS4	0.002	DStIS4	0.004	kl/r > 200
252	0.128	DStIS4	0.002	DStIS3	0.004	kl/r > 200
253	0.136	DStIS3	0.002	DStIS4	0.004	kl/r > 200
254	0.136	DStIS4	0.002	DStIS3	0.004	kl/r > 200
255	0.128	DStIS4	0.002	DStIS4	0.004	kl/r > 200
256	0.141	DStIS4	0.002	DStIS3	0.004	kl/r > 200
257	0.142	DStIS3	0.002	DStIS4	0.004	kl/r > 200
258	0.128	DStIS4	0.002	DStIS3	0.004	kl/r > 200
259	0.136	DStIS3	0.002	DStIS4	0.004	kl/r > 200
260	0.136	DStIS3	0.002	DStIS3	0.004	kl/r > 200
261	0.128	DStIS3	0.002	DStIS4	0.004	kl/r > 200
262	0.141	DStIS4	0.002	DStIS3	0.004	kl/r > 200