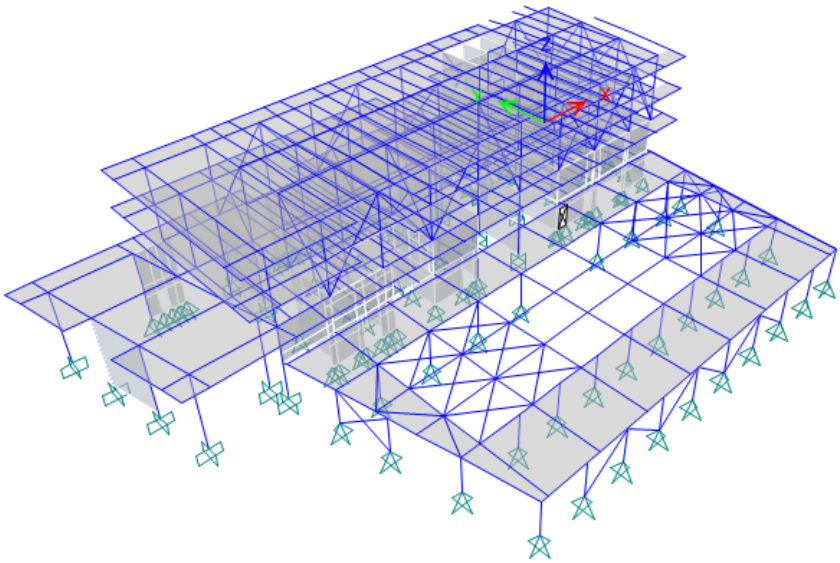
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Appendix D
KSM Analysis Report

Model File: KSM_3D_012, Revision 0

6/5/2026

Re-issued with updated heading: 22/7/2026

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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 mm	Master Story	Similar To	Splice Story	Color
T1	Story4	3600	Yes	None	No	Blue
T1	Story3	3600	No	Story4	No	Green
T1	Story2	3600	Yes	None	No	Cyan
T1	Story1	3520	No	Story2	No	Red

1.2 Mass

Table 1.2 - Mass Source Definition

Name	Is Default	Include Lateral Mass?	Include Vertical Mass?	Lump Mass?	Source Self Mass?	Source Added Mass?	Source Load Patterns?	Move Mass Centroid?	Load Pattern	Multiplier
MsSrc1	Yes	Yes	No	Yes	Yes	No	Yes	No	LiveC	0.48
MsSrc1									SDL	1
MsSrc1									LiveE	0.64
MsSrc1									LiveH	0

Table 1.3 - Centers Of Mass And Rigidity (Part 1 of 2)

Story	Diaphragm	Mass X N-s2/mm	Mass Y N-s2/mm	XCM mm	YCM mm	Cum Mass X N-s2/mm	Cum Mass Y N-s2/mm	XCCM mm	YCCM mm
Story4	D1	470.8745	470.8745	-23103.74	-8046.59	470.8745	470.8745	-23103.74	-8046.59
Story3	D1	731.146	731.146	-23347.41	-8101.26	1202.0205	1202.0205	-23251.95	-8079.84
Story2	D1	946.4773	946.4773	-27309.24	-8031.35	2148.4978	2148.4978	-25039.31	-8058.48
Story1	D2	310.2007	310.2007	-33498.71	-8945.22	310.2007	310.2007	-33498.71	-8945.22
Story1	D3	354.1466	354.1466	-7990.83	-8165.51	354.1466	354.1466	-7990.83	-8165.51
Story1	D4	136.847	136.847	-23651.99	-28435.45	136.847	136.847	-23651.99	-28435.45

Table 1.3 - Centers Of Mass And Rigidity (Part 2 of 2)

Story	Diaphragm	XCR mm	YCR mm
Story4	D1	-16774.75	-8077.59
Story3	D1	-19472.42	-8280.93
Story2	D1	-23188.88	-8489.81
Story1	D2	-31373.95	-8108.13
Story1	D3	-12568.97	-6748.59
Story1	D4	-7693.54	-27667.41

Table 1.4 - Mass Summary by Diaphragm

Story	Diaphragm	Mass X N-s2/mm	Mass Y N-s2/mm	Mass Moment of Inertia N-mm-s2	X Mass Center mm	Y Mass Center mm
Story4	D1	470.8745	470.8745	105700000000	-23103.74	-8046.59
Story3	D1	731.146	731.146	160300000000	-23347.41	-8101.26
Story2	D1	946.4773	946.4773	261300000000	-27309.24	-8031.35
Story1	D2	310.2007	310.2007	13933307814	-33498.71	-8945.22
Story1	D3	354.1466	354.1466	15889665989	-7990.83	-8165.51
Story1	D4	136.847	136.847	35860207346	-23651.99	-28435.45

Table 1.5 - Mass Summary by Story

Story	UX N-s2/mm	UY N-s2/mm	UZ N-s2/mm
Story4	481.3107	481.3107	0
Story3	750.6423	750.6423	0
Story2	1058.1428	1058.1428	0
Story1	1006.7837	1006.7837	0
Base	150.1468	150.1468	0

Table 1.6 - Mass Summary by Group

Group	Self Mass N-s2/mm	Mass X N-s2/mm	Mass Y N-s2/mm	Mass Z N-s2/mm
All	2285.5403	3310.2606	3310.2606	0
RC Columns Primary	2.8258	2.8258	2.8258	0
RC Columns Secondary/Gravity	0.8257	0.8257	0.8257	0
V Brace	0	0	0	0
X Brace	13.7948	13.7948	13.7948	0
RC Beams Primary	0	0	0	0
Steel Beam Secondary	0.5762	0.5762	0.5762	0
RC Beams Secondary	690.1317	690.1317	690.1317	0
Steel Beam Primary V Braced	9.6967	9.6967	9.6967	0
Steel Column Secondary	0	0	0	0
Steel Column Primary	0	0	0	0
Timber	65.1402	65.1402	65.1402	0
X Brace Deck	1.3098	1.3098	1.3098	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
C25/30	Concrete	Isotropic	C25/30	Gray4	
Rebar	Rebar	Uniaxial	Unknown	Yellow	
S235	Steel	Isotropic	S235	191	
S355	Steel	Isotropic	S355	Red	
Tendon	Tendon	Uniaxial	Unknown	Gray8Dark	
TIMBER	Other	Isotropic	S235	6001064	

2.2 Frame Sections

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

Name	Material	Shape	Color	Area mm2	J mm4	I33 mm4	I22 mm4
B1200X250	C25/30	Concrete Rectangular	Green	300000	5437023622.4	36000000000	1562500000
B1400X250	C25/30	Concrete Rectangular	4194432	350000	6480092842	57166666667	1822916666.7
B1600X250	C25/30	Concrete Rectangular	Magenta	400000	7523624765	85333333333	2083333333.3
B1600X300	C25/30	Concrete Rectangular	DarkGreen	480000	12716593453	102400000000	3600000000
B2000X250	C25/30	Concrete Rectangular	Gray8Dark	500000	9608316699.1	166700000000	2604166666.7
B200x300	C25/30	Concrete Rectangular	Magenta	60000	470746119.3	450000000	200000000
B200x400	C25/30	Concrete Rectangular	Magenta	80000	733072745.5	1066666666.7	266666666.7
B200x400/300		Nonprismatic	Gray8Dark				
B200x600	C25/30	Concrete Rectangular	12615935	120000	1265972019	3600000000	400000000
B250X500	C25/30	Concrete Rectangular	Gray8Dark	125000	1789728382.5	2604166666.7	651041666.7
B250X700	C25/30	Concrete Rectangular	Green	175000	2830247814	7145833333.3	911458333.3
B300X400	C25/30	Concrete Rectangular	Blue	120000	1952790280.6	1600000000	900000000
B300X500	C25/30	Concrete Rectangular	DarkYellow	150000	2821745979.6	3125000000	1125000000
B300x600	C25/30	Concrete Rectangular	Orange	180000	3711180774	5400000000	1350000000
B300X650	C25/30	Concrete Rectangular	4227200	195000	4159470029.8	6865625000	1462500000
B300x700	C25/30	Concrete Rectangular	Red	210000	4608312896	8575000000	1575000000
B300X750	C25/30	Concrete Rectangular	64	225000	5058341039	10546875000	1687500000
B800X1400	C25/30	Concrete Rectangular	Red	1120000	153900000000	182900000000	59733333333
C1050x300	C25/30	Concrete Rectangular	Yellow	315000	7760552473.4	28940625000	2362500000
C1200x250	C25/30	Concrete Rectangular	Cyan	300000	5437023622.4	36000000000	1562500000
C1250X300	C25/30	Concrete Rectangular	Red	375000	9563085491.6	48828125000	2812500000
C300x300	C25/30	Concrete Rectangular	Magenta	90000	1141171638.5	675000000	675000000
C380X250	C25/30	Concrete Rectangular	Blue	95000	1174488389.9	1143166666.7	494791666.7
C380x400	C25/30	Concrete Rectangular	Blue	152000	3250692060.2	1829066666.7	2026666666.7
C380x900	C25/30	Concrete Rectangular	Magenta	342000	12108034550	4115400000	23085000000
C400x400	C25/30	Concrete Rectangular	8404992	160000	3606665919.3	2133333333.3	2133333333.3
C450X250	C25/30	Concrete Rectangular	8421440	112500	1531802138.5	1898437500	585937500
C550x400	C25/30	Concrete Rectangular	Green	220000	6508563933.3	5545833333.3	2933333333.3
C600x400	C25/30	Concrete Rectangular	Red	240000	7531937909.1	7200000000	3200000000
C700X250	C25/30	Concrete Rectangular	8388863	175000	2830247814	7145833333.3	911458333.3
C700X300	C25/30	Concrete Rectangular	Green	210000	4608312896	8575000000	1575000000
C900X250	C25/30	Concrete Rectangular	16512	225000	3872923108.9	15187500000	1171875000
C900X300	C25/30	Concrete Rectangular	Magenta	270000	6408983346.4	18225000000	2025000000

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

Name	Material	Shape	Color	Area mm2	J mm4	I33 mm4	I22 mm4
C950x300	C25/30	Concrete Rectangular	Blue	285000	6859160404.5	21434375000	2137500000
CFSHS250X250X12.5	S235	Steel Tube	Gray8Dark	11200	172830000	101610000	101610000
HE220B	S235	Steel I/Wide Flange	Blue	9100	766000	80910000	28430000
HE240B	S235	Steel I/Wide Flange	Green	10600	1030000	112600000	39230000
HE400A	S235	Steel I/Wide Flange	Gray8Dark	15900	1890000	450700000	85640000
HE600A	S235	Steel I/Wide Flange	Cyan	22650	3980000	1412000000	112700000
SHCF200X200X10	S235	Steel Tube	Red	7260	70700000	42500000	42500000
SHS100X100X8	S235	Steel Tube	Blue	2880	6460000	4000000	4000000
T150x300	TIMBER	SD Section	8388863	45000	231948798.4	337500000	84375000
T300X300	TIMBER	SD Section	Green	90000	1141171638.5	675000000	675000000
TCol300x300	TIMBER	SD Section	Red	90000	1141171638.5	675000000	675000000
TUBO200X200X12.5	S235	Steel Tube	Green	9375	82400000	55180000	55180000
TUBO220X220X16	S235	Steel Tube	Yellow	13060	135800000	91110000	91110000

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

Name	I23 mm4	As2 mm2	As3 mm2	S33Pos mm3	S33Neg mm3	S22Pos mm3	S22Neg mm3	Z33 mm3
B1200X250	0	250000	250000	60000000	60000000	12500000	12500000	90000000
B1400X250	0	291666.6	291666.6	81666666.7	81666666.7	14583333.3	14583333.3	122500000
B1600X250	0	333333.3	333333.3	106666666.7	106666666.7	16666666.7	16666666.7	160000000
B1600X300	0	399999.9	399999.9	128000000	128000000	24000000	24000000	192000000
B2000X250	0	416666.6	416666.6	166666666.7	166666666.7	20833333.3	20833333.3	250000000
B200x300	0	50000	50000	3000000	3000000	2000000	2000000	4500000
B200x400	0	66666.7	66666.7	5333333.3	5333333.3	2666666.7	2666666.7	8000000
B200x400/300								
B200x600	0	100000	100000	12000000	12000000	4000000	4000000	18000000
B250X500	0	104166.7	104166.7	10416666.7	10416666.7	5208333.3	5208333.3	15625000
B250X700	0	145833.3	145833.3	20416666.7	20416666.7	7291666.7	7291666.7	30625000
B300X400	0	100000	100000	8000000	8000000	6000000	6000000	12000000
B300X500	0	125000	125000	12500000	12500000	7500000	7500000	18750000
B300x600	0	150000	150000	18000000	18000000	9000000	9000000	27000000
B300X650	0	162500	162500	21125000	21125000	9750000	9750000	31687500
B300x700	0	175000	175000	24500000	24500000	10500000	10500000	36750000
B300X750	0	187500	187500	28125000	28125000	11250000	11250000	42187500
B800X1400	0	933333.2	933333.2	261333333.3	261333333.3	149333333.3	149333333.3	392000000
C1050x300	0	262500	262500	55125000	55125000	15750000	15750000	82687500
C1200x250	0	250000	250000	60000000	60000000	12500000	12500000	90000000
C1250X300	0	312500	312500	78125000	78125000	18750000	18750000	117187500
C300x300	0	75000	75000	4500000	4500000	4500000	4500000	6750000
C380X250	0	79166.7	79166.7	6016666.7	6016666.7	3958333.3	3958333.3	9025000
C380x400	0	126666.6	126666.6	9626666.7	9626666.7	10133333.3	10133333.3	14440000
C380x900	0	285000	285000	21660000	21660000	51300000	51300000	32490000
C400x400	0	133333.3	133333.3	10666666.7	10666666.7	10666666.7	10666666.7	16000000
C450X250	0	93750	93750	8437500	8437500	4687500	4687500	12656250
C550x400	0	183333.3	183333.3	20166666.7	20166666.7	14666666.7	14666666.7	30250000
C600x400	0	200000	200000	24000000	24000000	16000000	16000000	36000000
C700X250	0	145833.3	145833.3	20416666.7	20416666.7	7291666.7	7291666.7	30625000
C700X300	0	175000	175000	24500000	24500000	10500000	10500000	36750000
C900X250	0	187500	187500	33750000	33750000	9375000	9375000	50625000

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

Name	I23 mm4	As2 mm2	As3 mm2	S33Pos mm3	S33Neg mm3	S22Pos mm3	S22Neg mm3	Z33 mm3
C900X300	0	225000	225000	40500000	40500000	13500000	13500000	60750000
C950x300	0	237500	237500	45125000	45125000	14250000	14250000	67687500
CFSHS250X250X12.5	0	5981.7	5981.7	812880.1	812880.1	812880.1	812880.1	978437.5
HE220B	0	2090	5866.7	735545.4	735545.4	258454.5	258454.5	827000
HE240B	0	2400	6800	938333.3	938333.3	326916.7	326916.7	1053000
HE400A	0	4290	9500	2311282	2311282	570933.3	570933.3	2562000
HE600A	0	7670	12500	4786441	4786441	751333.3	751333.3	5350000
SHCF200X200X10	0	4000	4000	425000	425000	425000	425000	508000
SHS100X100X8	0	1490.1	1490.1	80000	80000	80000	80000	98880
T150x300	0	37500.2	37500.2	2250000	2250000	1125000	1125000	3375000
T300X300	0	75000.4	75000.4	4500000	4500000	4500000	4500000	6750000
TCol300x300	0	75000.4	75000.4	4500000	4500000	4500000	4500000	6750000
TUBO200X200X12.5	0	5000	5000	551800	551800	551800	551800	660200
TUBO220X220X16	0	7040	7040	828272.8	828272.8	828272.8	828272.8	1001000

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

Name	R33 mm	R22 mm	Cw mm6	Fillet Radius mm	CG Offset 3 mm	CG Offset 2 mm	PNA Offset 3 mm	PNA Offset 2 mm	Area Modifier
B1200X250	346.4	72.2			0	0	0	0	1
B1400X250	404.1	72.2			0	0	0	0	1
B1600X250	461.9	72.2			0	0	0	0	1
B1600X300	461.9	86.6			0	0	0	0	1
B2000X250	577.4	72.2			0	0	0	0	1
B200x300	86.6	57.7			0	0	0	0	1
B200x400	115.5	57.7			0	0	0	0	1
B200x400/300									
B200x600	173.2	57.7			0	0	0	0	1
B250X500	144.3	72.2			0	0	0	0	1
B250X700	202.1	72.2			0	0	0	0	1
B300X400	115.5	86.6			0	0	0	0	1
B300X500	144.3	86.6			0	0	0	0	1
B300x600	173.2	86.6			0	0	0	0	1
B300X650	187.6	86.6			0	0	0	0	1
B300x700	202.1	86.6			0	0	0	0	1
B300X750	216.5	86.6			0	0	0	0	1
B800X1400	404.1	230.9			0	0	0	0	1
C1050x300	303.1	86.6			0	0	0	0	1
C1200x250	346.4	72.2			0	0	0	0	0.5
C1250X300	360.8	86.6			0	0	0	0	1
C300x300	86.6	86.6			0	0	0	0	1
C380X250	109.7	72.2			0	0	0	0	0.5
C380x400	109.7	115.5			0	0	0	0	0.5
C380x900	109.7	259.8			0	0	0	0	0.5
C400x400	115.5	115.5			0	0	0	0	1
C450X250	129.9	72.2			0	0	0	0	0.5
C550x400	158.8	115.5			0	0	0	0	1
C600x400	173.2	115.5			0	0	0	0	1

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

Name	R33 mm	R22 mm	Cw mm6	Fillet Radius mm	CG Offset 3 mm	CG Offset 2 mm	PNA Offset 3 mm	PNA Offset 2 mm	Area Modifier
C700X250	202.1	72.2			0	0	0	0	0.5
C700X300	202.1	86.6			0	0	0	0	1
C900X250	259.8	72.2			0	0	0	0	0.5
C900X300	259.8	86.6			0	0	0	0	1
C950x300	274.2	86.6			0	0	0	0	1
CFSHS250X250X12.5	95.2	95.2		37.7	0	0	0	0	1
HE220B	94.3	55.9	295400000000		0	0	0	0	1
HE240B	103.1	60.8	486900000000		0	0	0	0	1
HE400A	168.4	73.4	2942000000000		0	0	0	0	1
HE600A	249.7	70.5	8978000000000		0	0	0	0	1
SHCF200X200X10	76.5	76.5		24.8	0	0	0	0	1
SHS100X100X8	37.3	37.3		8.7	0	0	0	0	1
T150x300	86.6	43.3			0	0	0	0	1
T300X300	86.6	86.6			0	0	0	0	1
TCol300x300	86.6	86.6			0	0	0	0	1
TUBO200X200X12.5	76.7	76.7			0	0	0	0	1
TUBO220X220X16	83.5	83.5			0	0	0	0	1

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

Name	As3 Modifier	J Modifier	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
B1200X250	1	1	0.5	1	1	1
B1400X250	1	1	0.5	1	1	1
B1600X250	1	1	0.5	1	1	1
B1600X300	1	1	0.5	1	1	1
B2000X250	1	1	0.5	1	1	1
B200x300	1	1	0.5	1	1	1
B200x400	1	1	0.5	1	1	1
B200x400/300						
B200x600	1	1	0.5	1	1	1
B250X500	1	1	0.5	1	1	1
B250X700	1	1	0.5	1	1	1
B300X400	1	1	0.5	1	1	1
B300X500	1	1	0.5	1	1	1
B300x600	1	1	0.5	1	1	1
B300X650	1	1	0.5	1	1	1
B300x700	1	1	0.5	1	1	1
B300X750	1	1	0.5	1	1	1
B800X1400	1	1	0.5	1	1	1
C1050x300	1	1	0.25	0.25	1	1
C1200x250	1	1	0.25	0.25	1	1
C1250X300	1	1	0.25	0.25	1	1
C300x300	1	1	0.5	0.5	1	1
C380X250	1	1	0.25	0.25	1	1
C380x400	1	1	0.25	0.25	1	1
C380x900	1	1	0.25	0.25	1	1
C400x400	1	1	0.5	0.5	1	1

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

Name	As3 Modifier	J Modifier	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
C450X250	1	1	0.25	0.25	1	1
C550x400	1	1	0.5	0.5	1	1
C600x400	1	1	0.5	0.5	1	1
C700X250	1	1	0.25	0.25	1	1
C700X300	1	1	0.5	0.5	1	1
C900X250	1	1	0.25	0.25	1	1
C900X300	1	1	0.5	0.5	1	1
C950x300	1	1	0.5	0.5	1	1
CFSHS250X250X12.5	1	1	1	1	1	1
HE220B	1	1	1	1	1	1
HE240B	1	1	1	1	1	1
HE400A	1	1	1	1	1	1
HE600A	1	1	1	1	1	1
SHCF200X200X10	1	1	1	1	1	1
SHS100X100X8	1	1	1	1	1	1
T150x300	1	1	1	1	1	1
T300X300	1	1	1	1	1	1
TCol300x300	1	1	1	1	1	1
TUBO200X200X12.5	1	1	1	1	1	1
TUBO220X220X16	1	1	1	1	1	1

2.3 Shell Sections

Table 2.3 - Area Section Property Definitions - Summary

Name	Type	Element Type	Material	Total Thickness mm	Deck Material	Deck Depth mm
S110	Slab	Shell-Thin	C25/30	110		
S140	Slab	Shell-Thin	C25/30	140		
S200	Slab	Shell-Thin	C25/30	200		
SPSW	Wall	Shell-Thin	S235	10		
T-70x200-600	Slab	Shell-Thin	TIMBER	250		
W250	Wall	Shell-Thin	C25/30	250		
W300	Wall	Shell-Thin	C25/30	300		
W350	Wall	Shell-Thin	C25/30	350		

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
Story4	1	755	From Area	
Story4	4	759	From Area	
Story4	5	688	From Area	
Story4	6	676	From Area	
Story4	7	698	From Area	
Story4	8	482	From Area	
Story4	9	398	From Area	
Story4	10	399	From Area	
Story4	11	400	From Area	
Story4	12	460	From Area	
Story4	13	461	From Area	
Story4	14	118	From Area	
Story4	15	138	From Area	
Story4	17	395	From Area	
Story4	18	396	From Area	
Story4	19	397	From Area	
Story4	20	401	From Area	
Story4	21	462	From Area	
Story4	22	426	From Area	
Story4	23	437	From Area	
Story4	25	683	From Area	
Story4	26	682	From Area	
Story4	27	696	From Area	
Story4	28	700	From Area	
Story4	29	450	From Area	
Story4	47	443	From Area	
Story4	48	442	From Area	
Story4	49	453	From Area	
Story4	79	764	From Area	
Story4	85	556	From Area	
Story4	86	428	From Area	
Story4	87	427	From Area	
Story4	24	694	From Area	
Story4	58	763	From Area	
Story4	61	761	From Area	
Story4	62	402	From Area	
Story4	63	677	From Area	
Story4	94	403	From Area	
Story4	95	404	From Area	
Story4	96	405	From Area	
Story4	97	406	From Area	
Story4	98	407	From Area	
Story4	99	408	From Area	
Story4	100	409	From Area	
Story4	101	410	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story4	102	411	From Area	
Story4	103	412	From Area	
Story4	104	413	From Area	
Story4	105	414	From Area	
Story4	114	415	From Area	
Story4	115	416	From Area	
Story4	116	417	From Area	
Story4	117	418	From Area	
Story4	118	419	From Area	
Story4	119	420	From Area	
Story4	122	678	From Area	
Story4	123	421	From Area	
Story4	124	422	From Area	
Story4	125	423	From Area	
Story4	126	424	From Area	
Story4	127	425	From Area	
Story4	138	684	From Area	
Story4	171	117	From Area	
Story4	172	311	From Area	
Story4	174	310	From Area	
Story4	181	309	From Area	
Story4	182	308	From Area	
Story4	183	433	From Area	
Story4	184	434	From Area	
Story4	185	435	From Area	
Story4	186	436	From Area	
Story4	187	438	From Area	
Story4	188	439	From Area	
Story4	189	440	From Area	
Story4	190	441	From Area	
Story4	191	444	From Area	
Story4	192	445	From Area	
Story4	193	446	From Area	
Story4	194	447	From Area	
Story4	195	448	From Area	
Story4	196	449	From Area	
Story4	197	451	From Area	
Story4	198	452	From Area	
Story4	199	454	From Area	
Story4	255	455	From Area	
Story4	256	456	From Area	
Story4	257	457	From Area	
Story4	258	458	From Area	
Story4	259	459	From Area	
Story4	260	463	From Area	
Story4	261	464	From Area	
Story4	262	465	From Area	
Story4	263	466	From Area	
Story4	264	467	From Area	
Story4	265	468	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story4	266	469	From Area	
Story4	267	470	From Area	
Story4	268	471	From Area	
Story4	269	472	From Area	
Story4	270	473	From Area	
Story4	271	474	From Area	
Story4	272	475	From Area	
Story4	273	476	From Area	
Story4	274	477	From Area	
Story4	275	478	From Area	
Story4	2	369	From Area	
Story4	176	479	From Area	
Story4	177	702	From Area	
Story4	178	370	From Area	
Story4	179	371	From Area	
Story4	201	372	From Area	
Story4	202	373	From Area	
Story4	203	374	From Area	
Story4	204	376	From Area	
Story4	205	481	From Area	
Story4	206	377	From Area	
Story4	207	378	From Area	
Story4	208	379	From Area	
Story4	209	480	From Area	
Story4	210	380	From Area	
Story4	215	381	From Area	
Story4	216	382	From Area	
Story4	217	383	From Area	
Story4	218	384	From Area	
Story4	219	385	From Area	
Story4	220	386	From Area	
Story4	221	387	From Area	
Story4	223	388	From Area	
Story4	224	389	From Area	
Story4	225	390	From Area	
Story4	226	391	From Area	
Story4	227	708	From Area	
Story4	229	714	From Area	
Story4	231	392	From Area	
Story4	232	393	From Area	
Story4	233	394	From Area	
Story4	234	551	From Area	
Story4	235	548	From Area	
Story4	236	547	From Area	
Story4	70	704	From Area	
Story4	71	706	From Area	
Story4	213	716	From Area	
Story4	214	718	From Area	
Story4	241	728	From Area	
Story4	242	744	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story4	249	747	From Area	
Story4	250	749	From Area	
Story4	251	752	From Area	
Story4	252	753	From Area	
Story4	253	757	From Area	
Story4	382	1014	From Area	
Story4	383	1012	From Area	
Story4	505	1025	From Area	
Story4	506	1026	From Area	
Story4	509	1011	From Area	
Story4	510	1013	From Area	
Story4	511	1021	From Area	
Story4	512	1022	From Area	
Story4	65	3	D1	
Story3	1	754	From Area	
Story3	4	758	From Area	
Story3	5	689	From Area	
Story3	6	679	From Area	
Story3	7	699	From Area	
Story3	8	669	From Area	
Story3	9	587	From Area	
Story3	10	588	From Area	
Story3	11	589	From Area	
Story3	12	647	From Area	
Story3	13	648	From Area	
Story3	14	429	From Area	
Story3	15	430	From Area	
Story3	17	584	From Area	
Story3	18	585	From Area	
Story3	19	586	From Area	
Story3	20	590	From Area	
Story3	21	649	From Area	
Story3	22	615	From Area	
Story3	23	622	From Area	
Story3	25	686	From Area	
Story3	26	685	From Area	
Story3	27	697	From Area	
Story3	28	701	From Area	
Story3	29	637	From Area	
Story3	47	628	From Area	
Story3	48	627	From Area	
Story3	49	640	From Area	
Story3	79	765	From Area	
Story3	85	674	From Area	
Story3	86	617	From Area	
Story3	87	616	From Area	
Story3	24	695	From Area	
Story3	58	762	From Area	
Story3	61	760	From Area	
Story3	62	591	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	63	680	From Area	
Story3	94	592	From Area	
Story3	95	593	From Area	
Story3	96	594	From Area	
Story3	97	595	From Area	
Story3	98	596	From Area	
Story3	99	597	From Area	
Story3	100	598	From Area	
Story3	101	599	From Area	
Story3	102	600	From Area	
Story3	103	601	From Area	
Story3	104	602	From Area	
Story3	105	603	From Area	
Story3	114	604	From Area	
Story3	115	605	From Area	
Story3	116	606	From Area	
Story3	117	607	From Area	
Story3	118	608	From Area	
Story3	119	609	From Area	
Story3	122	681	From Area	
Story3	123	610	From Area	
Story3	124	611	From Area	
Story3	125	612	From Area	
Story3	126	613	From Area	
Story3	127	614	From Area	
Story3	138	687	From Area	
Story3	171	552	From Area	
Story3	172	554	From Area	
Story3	174	553	From Area	
Story3	181	432	From Area	
Story3	182	431	From Area	
Story3	183	618	From Area	
Story3	184	619	From Area	
Story3	185	620	From Area	
Story3	186	621	From Area	
Story3	187	623	From Area	
Story3	188	624	From Area	
Story3	189	625	From Area	
Story3	190	626	From Area	
Story3	191	629	From Area	
Story3	192	630	From Area	
Story3	193	631	From Area	
Story3	194	632	From Area	
Story3	195	635	From Area	
Story3	196	636	From Area	
Story3	197	638	From Area	
Story3	198	639	From Area	
Story3	199	641	From Area	
Story3	255	642	From Area	
Story3	256	643	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	257	644	From Area	
Story3	258	645	From Area	
Story3	259	646	From Area	
Story3	260	650	From Area	
Story3	261	651	From Area	
Story3	262	652	From Area	
Story3	263	653	From Area	
Story3	264	654	From Area	
Story3	265	655	From Area	
Story3	266	656	From Area	
Story3	267	657	From Area	
Story3	268	658	From Area	
Story3	269	659	From Area	
Story3	270	660	From Area	
Story3	271	661	From Area	
Story3	272	662	From Area	
Story3	273	663	From Area	
Story3	274	664	From Area	
Story3	275	665	From Area	
Story3	2	558	From Area	
Story3	176	666	From Area	
Story3	177	703	From Area	
Story3	178	559	From Area	
Story3	179	560	From Area	
Story3	201	561	From Area	
Story3	202	562	From Area	
Story3	203	563	From Area	
Story3	206	566	From Area	
Story3	207	567	From Area	
Story3	208	568	From Area	
Story3	209	667	From Area	
Story3	210	569	From Area	
Story3	215	570	From Area	
Story3	216	571	From Area	
Story3	217	572	From Area	
Story3	218	573	From Area	
Story3	219	574	From Area	
Story3	220	575	From Area	
Story3	221	576	From Area	
Story3	223	577	From Area	
Story3	224	578	From Area	
Story3	225	579	From Area	
Story3	226	580	From Area	
Story3	227	709	From Area	
Story3	229	715	From Area	
Story3	231	581	From Area	
Story3	232	582	From Area	
Story3	233	583	From Area	
Story3	234	672	From Area	
Story3	235	671	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	236	670	From Area	
Story3	70	705	From Area	
Story3	71	707	From Area	
Story3	213	717	From Area	
Story3	214	719	From Area	
Story3	241	729	From Area	
Story3	242	745	From Area	
Story3	249	746	From Area	
Story3	250	748	From Area	
Story3	251	750	From Area	
Story3	252	751	From Area	
Story3	253	756	From Area	
Story3	69	375	From Area	
Story3	72	555	From Area	
Story3	237	557	From Area	
Story3	238	564	From Area	
Story3	341	804	From Area	
Story3	342	805	From Area	
Story3	343	806	From Area	
Story3	344	807	From Area	
Story3	345	808	From Area	
Story3	346	809	From Area	
Story3	347	810	From Area	
Story3	348	811	From Area	
Story3	349	812	From Area	
Story3	350	813	From Area	
Story3	351	814	From Area	
Story3	352	815	From Area	
Story3	354	818	From Area	
Story3	355	819	From Area	
Story3	356	820	From Area	
Story3	357	821	From Area	
Story3	382	1018	From Area	
Story3	383	1016	From Area	
Story3	505	1023	From Area	
Story3	506	1024	From Area	
Story3	509	1015	From Area	
Story3	510	1017	From Area	
Story3	511	1019	From Area	
Story3	512	1020	From Area	
Story3	66	4	D1	
Story2	1	173	From Area	
Story2	4	174	From Area	
Story2	5	175	From Area	
Story2	6	176	From Area	
Story2	7	505	From Area	
Story2	8	287	From Area	
Story2	9	193	From Area	
Story2	10	177	From Area	
Story2	11	178	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	12	179	From Area	
Story2	13	506	From Area	
Story2	14	286	From Area	
Story2	15	299	From Area	
Story2	17	180	From Area	
Story2	18	181	From Area	
Story2	19	182	From Area	
Story2	20	183	From Area	
Story2	21	507	From Area	
Story2	22	292	From Area	
Story2	23	300	From Area	
Story2	25	184	From Area	
Story2	26	185	From Area	
Story2	27	186	From Area	
Story2	28	508	From Area	
Story2	29	293	From Area	
Story2	47	301	From Area	
Story2	48	302	From Area	
Story2	49	296	From Area	
Story2	78	187	From Area	
Story2	79	188	From Area	
Story2	80	238	From Area	
Story2	81	239	From Area	
Story2	82	240	From Area	
Story2	85	295	From Area	
Story2	86	298	From Area	
Story2	87	297	From Area	
Story2	16	241	From Area	
Story2	24	194	From Area	
Story2	30	189	From Area	
Story2	34	190	From Area	
Story2	58	191	From Area	
Story2	61	192	From Area	
Story2	62	197	From Area	
Story2	63	195	From Area	
Story2	88	196	From Area	
Story2	94	198	From Area	
Story2	95	199	From Area	
Story2	96	200	From Area	
Story2	97	201	From Area	
Story2	98	202	From Area	
Story2	99	203	From Area	
Story2	100	204	From Area	
Story2	101	205	From Area	
Story2	102	206	From Area	
Story2	103	207	From Area	
Story2	104	208	From Area	
Story2	105	209	From Area	
Story2	106	218	From Area	
Story2	107	219	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	108	220	From Area	
Story2	109	221	From Area	
Story2	114	222	From Area	
Story2	115	223	From Area	
Story2	116	224	From Area	
Story2	117	225	From Area	
Story2	118	226	From Area	
Story2	119	227	From Area	
Story2	120	228	From Area	
Story2	121	229	From Area	
Story2	122	230	From Area	
Story2	123	231	From Area	
Story2	125	233	From Area	
Story2	126	234	From Area	
Story2	127	235	From Area	
Story2	128	236	From Area	
Story2	129	237	From Area	
Story2	138	291	From Area	
Story2	171	285	From Area	
Story2	172	335	From Area	
Story2	174	331	D1	
Story2	181	327	From Area	
Story2	182	325	From Area	
Story2	183	339	From Area	
Story2	184	340	From Area	
Story2	185	343	From Area	
Story2	186	344	From Area	
Story2	187	347	From Area	
Story2	188	348	From Area	
Story2	189	351	From Area	
Story2	190	352	From Area	
Story2	191	355	From Area	
Story2	192	356	From Area	
Story2	193	359	From Area	
Story2	194	360	From Area	
Story2	195	484	From Area	
Story2	196	486	From Area	
Story2	197	488	From Area	
Story2	198	490	From Area	
Story2	199	492	From Area	
Story2	200	494	From Area	
Story2	255	496	From Area	
Story2	256	498	From Area	
Story2	257	500	From Area	
Story2	258	502	From Area	
Story2	259	504	From Area	
Story2	260	509	From Area	
Story2	261	510	From Area	
Story2	262	511	From Area	
Story2	263	512	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	264	513	From Area	
Story2	265	514	From Area	
Story2	266	515	From Area	
Story2	267	516	From Area	
Story2	268	517	From Area	
Story2	269	518	From Area	
Story2	270	519	From Area	
Story2	271	520	From Area	
Story2	272	521	From Area	
Story2	273	522	From Area	
Story2	274	523	From Area	
Story2	275	524	From Area	
Story2	2	66	From Area	
Story2	111	133	From Area	
Story2	112	134	From Area	
Story2	162	210	From Area	
Story2	163	211	From Area	
Story2	164	212	From Area	
Story2	165	213	From Area	
Story2	166	214	From Area	
Story2	167	215	From Area	
Story2	168	216	From Area	
Story2	169	217	From Area	
Story2	170	271	From Area	
Story2	173	272	From Area	
Story2	175	273	From Area	
Story2	176	274	From Area	
Story2	177	275	From Area	
Story2	178	276	From Area	
Story2	179	277	From Area	
Story2	201	278	From Area	
Story2	202	279	From Area	
Story2	203	280	From Area	
Story2	204	281	From Area	
Story2	205	282	From Area	
Story2	206	288	From Area	
Story2	207	289	From Area	
Story2	208	304	From Area	
Story2	209	305	From Area	
Story2	210	306	From Area	
Story2	215	312	From Area	
Story2	216	313	From Area	
Story2	217	314	From Area	
Story2	218	315	From Area	
Story2	219	316	From Area	
Story2	220	317	From Area	
Story2	221	318	From Area	
Story2	222	319	From Area	
Story2	223	320	From Area	
Story2	224	321	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	225	322	From Area	
Story2	226	323	From Area	
Story2	227	330	From Area	
Story2	228	332	From Area	
Story2	229	361	From Area	
Story2	230	362	From Area	
Story2	231	363	From Area	
Story2	232	364	From Area	
Story2	233	365	From Area	
Story2	234	366	From Area	
Story2	235	367	From Area	
Story2	236	368	From Area	
Story2	3	2	From Area	
Story2	243	916	From Area	
Story2	244	915	From Area	
Story2	248	935	From Area	
Story2	280	712	From Area	
Story2	281	713	From Area	
Story2	284	722	From Area	
Story2	285	723	From Area	
Story2	288	726	From Area	
Story2	289	727	From Area	
Story2	292	914	From Area	
Story2	294	734	From Area	
Story2	296	735	From Area	
Story2	297	736	From Area	
Story2	298	737	From Area	
Story2	306	952	From Area	
Story2	309	947	From Area	
Story2	313	942	From Area	
Story2	314	941	From Area	
Story2	325	860	From Area	
Story2	326	861	From Area	
Story2	327	788	From Area	
Story2	328	789	From Area	
Story2	337	800	From Area	
Story2	338	801	From Area	
Story2	339	802	From Area	
Story2	340	803	From Area	
Story2	67	823	From Area	
Story2	211	824	From Area	
Story2	212	825	From Area	
Story2	362	826	From Area	
Story2	363	827	From Area	
Story2	364	828	From Area	
Story2	366	830	From Area	
Story2	367	831	From Area	
Story2	371	841	From Area	
Story2	372	842	From Area	
Story2	373	843	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	375	845	From Area	
Story2	376	850	From Area	
Story2	377	851	From Area	
Story2	378	852	From Area	
Story2	379	853	From Area	
Story2	380	854	From Area	
Story2	381	855	From Area	
Story2	382	859	From Area	
Story2	383	862	From Area	
Story2	417	925	From Area	
Story2	423	933	From Area	
Story2	427	943	From Area	
Story2	428	944	From Area	
Story2	429	945	From Area	
Story2	430	946	From Area	
Story2	431	948	From Area	
Story2	433	950	From Area	
Story2	446	976	From Area	
Story2	448	988	From Area	
Story2	450	986	From Area	
Story2	462	232	From Area	
Story2	464	932	From Area	
Story2	465	930	From Area	
Story2	468	913	From Area	
Story2	475	710	From Area	
Story2	476	711	From Area	
Story2	477	720	From Area	
Story2	478	721	From Area	
Story2	479	724	From Area	
Story2	480	725	From Area	
Story2	481	822	From Area	
Story2	482	829	From Area	
Story2	483	924	From Area	
Story2	484	931	From Area	
Story2	485	934	From Area	
Story2	486	987	From Area	
Story2	493	998	From Area	
Story2	495	996	From Area	
Story2	496	997	From Area	
Story2	503	1005	From Area	
Story2	504	1006	From Area	
Story2	505	1007	From Area	
Story2	506	1008	From Area	
Story2	507	1009	From Area	
Story2	508	1010	From Area	
Story2	518	1036	From Area	
Story2	520	1038	From Area	
Story2	521	1039	From Area	
Story2	523	1042	From Area	
Story2	532	1053	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	533	1056	From Area	
Story2	538	1063	From Area	
Story2	539	1064	From Area	
Story2	540	122	From Area	
Story2	541	139	From Area	
Story2	246	120	From Area	
Story2	247	140	From Area	
Story2	77	47	D1	
Story1	1	5	From Area	
Story1	4	7	From Area	
Story1	5	9	From Area	
Story1	6	11	From Area	
Story1	7	13	From Area	
Story1	8	15	From Area	
Story1	9	17	From Area	
Story1	10	19	From Area	
Story1	11	21	From Area	
Story1	12	23	From Area	
Story1	13	25	From Area	
Story1	14	27	From Area	
Story1	15	29	From Area	
Story1	17	33	From Area	
Story1	18	35	From Area	
Story1	19	37	From Area	
Story1	20	39	From Area	
Story1	21	41	From Area	
Story1	22	43	From Area	
Story1	23	45	From Area	
Story1	25	49	From Area	
Story1	26	51	From Area	
Story1	27	53	From Area	
Story1	28	55	From Area	
Story1	29	57	From Area	
Story1	31	61	From Area	
Story1	32	63	From Area	
Story1	33	65	From Area	
Story1	35	69	From Area	
Story1	36	71	From Area	
Story1	37	73	From Area	
Story1	38	99	From Area	
Story1	39	77	From Area	
Story1	40	79	From Area	
Story1	41	80	From Area	
Story1	42	81	From Area	
Story1	43	84	From Area	
Story1	44	85	From Area	
Story1	45	88	From Area	
Story1	46	89	From Area	
Story1	47	93	From Area	
Story1	48	95	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story1	49	97	From Area	
Story1	50	100	From Area	
Story1	51	101	From Area	
Story1	52	104	From Area	
Story1	53	105	From Area	
Story1	54	108	From Area	
Story1	55	109	From Area	
Story1	56	112	From Area	
Story1	57	113	From Area	
Story1	59	159	From Area	
Story1	60	158	From Area	
Story1	79	141	From Area	
Story1	84	152	From Area	
Story1	85	153	From Area	
Story1	86	154	From Area	
Story1	87	155	From Area	
Story1	90	160	From Area	
Story1	91	161	From Area	
Story1	92	162	From Area	
Story1	24	46	From Area	
Story1	62	172	From Area	
Story1	63	116	From Area	
Story1	68	126	From Area	
Story1	88	125	From Area	
Story1	94	543	From Area	
Story1	95	544	From Area	
Story1	96	541	From Area	
Story1	97	542	From Area	
Story1	98	539	From Area	
Story1	99	540	From Area	
Story1	100	537	From Area	
Story1	101	538	From Area	
Story1	102	530	From Area	
Story1	103	527	From Area	
Story1	104	529	From Area	
Story1	105	525	From Area	
Story1	116	535	From Area	
Story1	117	533	From Area	
Story1	118	528	From Area	
Story1	119	526	From Area	
Story1	124	536	From Area	
Story1	125	534	From Area	
Story1	126	532	From Area	
Story1	127	531	From Area	
Story1	130	242	From Area	
Story1	131	243	From Area	
Story1	132	244	From Area	
Story1	133	245	From Area	
Story1	134	246	From Area	
Story1	135	247	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story1	136	248	From Area	
Story1	137	249	From Area	
Story1	138	250	From Area	
Story1	139	251	From Area	
Story1	140	252	From Area	
Story1	141	253	From Area	
Story1	142	254	From Area	
Story1	143	255	D4	
Story1	144	256	D4	
Story1	145	257	D4	
Story1	146	258	D4	
Story1	147	259	D4	
Story1	148	260	D4	
Story1	149	261	D4	
Story1	150	262	D4	
Story1	151	263	From Area	
Story1	152	264	From Area	
Story1	153	265	D4	
Story1	154	266	D4	
Story1	155	267	D4	
Story1	156	268	D4	
Story1	157	269	From Area	
Story1	158	270	From Area	
Story1	171	284	D3	
Story1	172	303	From Area	
Story1	174	307	D3	
Story1	181	326	From Area	
Story1	182	324	From Area	
Story1	183	337	From Area	
Story1	184	338	From Area	
Story1	185	341	From Area	
Story1	186	342	From Area	
Story1	187	345	From Area	
Story1	188	346	From Area	
Story1	189	349	From Area	
Story1	190	350	From Area	
Story1	191	353	From Area	
Story1	192	354	From Area	
Story1	193	357	From Area	
Story1	194	358	From Area	
Story1	195	483	From Area	
Story1	196	485	From Area	
Story1	197	487	From Area	
Story1	198	489	From Area	
Story1	199	491	From Area	
Story1	200	493	From Area	
Story1	255	495	From Area	
Story1	256	497	From Area	
Story1	257	499	From Area	
Story1	258	501	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story1	259	503	From Area	
Story1	276	545	From Area	
Story1	277	546	From Area	
Story1	279	549	From Area	
Story1	295	633	From Area	
Story1	2	59	From Area	
Story1	64	58	From Area	
Story1	73	121	From Area	
Story1	74	127	From Area	
Story1	75	128	From Area	
Story1	76	129	From Area	
Story1	83	130	From Area	
Story1	110	131	From Area	
Story1	113	132	From Area	
Story1	159	135	From Area	
Story1	160	136	From Area	
Story1	161	137	From Area	
Story1	239	565	From Area	
Story1	240	668	From Area	
Story1	243	864	From Area	
Story1	244	865	From Area	
Story1	245	690	From Area	
Story1	248	870	From Area	
Story1	291	731	From Area	
Story1	292	888	From Area	
Story1	303	742	From Area	
Story1	306	878	From Area	
Story1	307	768	From Area	
Story1	308	769	From Area	
Story1	309	879	From Area	
Story1	310	880	From Area	
Story1	311	772	From Area	
Story1	312	773	From Area	
Story1	313	893	From Area	
Story1	314	894	From Area	
Story1	315	776	From Area	
Story1	316	777	From Area	
Story1	317	778	From Area	
Story1	318	779	From Area	
Story1	319	780	From Area	
Story1	320	781	From Area	
Story1	321	782	From Area	
Story1	322	783	From Area	
Story1	323	784	From Area	
Story1	324	785	From Area	
Story1	325	790	From Area	
Story1	326	791	From Area	
Story1	329	792	From Area	
Story1	330	793	From Area	
Story1	331	884	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story1	332	885	From Area	
Story1	333	796	From Area	
Story1	334	797	From Area	
Story1	335	873	From Area	
Story1	336	874	From Area	
Story1	67	832	From Area	
Story1	211	833	From Area	
Story1	212	834	From Area	
Story1	362	835	From Area	
Story1	363	836	From Area	
Story1	364	837	From Area	
Story1	371	848	From Area	
Story1	372	849	From Area	
Story1	377	856	From Area	
Story1	378	857	From Area	
Story1	384	863	From Area	
Story1	385	866	From Area	
Story1	386	868	From Area	
Story1	387	871	From Area	
Story1	388	872	From Area	
Story1	389	875	From Area	
Story1	391	881	From Area	
Story1	392	883	From Area	
Story1	393	886	From Area	
Story1	394	887	From Area	
Story1	395	890	From Area	
Story1	396	892	From Area	
Story1	397	895	From Area	
Story1	398	897	From Area	
Story1	399	898	From Area	
Story1	400	899	From Area	
Story1	401	900	From Area	
Story1	402	901	From Area	
Story1	403	902	From Area	
Story1	404	904	From Area	
Story1	405	905	From Area	
Story1	406	911	From Area	
Story1	407	912	From Area	
Story1	358	882	From Area	
Story1	359	903	From Area	
Story1	360	910	From Area	
Story1	361	917	From Area	
Story1	412	918	From Area	
Story1	413	923	From Area	
Story1	418	926	From Area	
Story1	419	927	From Area	
Story1	425	936	From Area	
Story1	426	937	From Area	
Story1	435	954	From Area	
Story1	436	955	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story1	437	958	From Area	
Story1	408	145	From Area	
Story1	409	146	From Area	
Story1	410	692	From Area	
Story1	411	693	From Area	
Story1	414	733	From Area	
Story1	415	766	From Area	
Story1	445	767	From Area	
Story1	446	975	From Area	
Story1	448	981	From Area	
Story1	449	990	From Area	
Story1	463	691	From Area	
Story1	464	869	From Area	
Story1	467	730	From Area	
Story1	468	889	From Area	
Story1	493	995	From Area	
Story1	494	994	From Area	
Story1	497	999	From Area	
Story1	498	1000	From Area	
Story1	501	1003	From Area	
Story1	502	1004	From Area	
Story1	513	1027	From Area	
Story1	514	1028	From Area	
Story1	515	1029	From Area	
Story1	516	1030	From Area	
Story1	517	1031	From Area	
Story1	518	1035	From Area	
Story1	519	1037	From Area	
Story1	524	1043	From Area	
Story1	525	1044	From Area	
Story1	526	147	From Area	
Story1	527	151	From Area	
Story1	532	1052	From Area	
Story1	533	1055	From Area	
Story1	534	1058	From Area	
Story1	535	1059	From Area	
Story1	536	1061	From Area	
Story1	537	1062	From Area	
Story1	540	1065	From Area	
Story1	541	1066	From Area	
Story1	254	144	From Area	
Story1	278	156	From Area	
Story1	282	329	From Area	
Story1	283	738	From Area	
Story1	286	739	From Area	
Story1	293	743	From Area	
Story1	299	770	From Area	
Story1	89	67	D2	
Story1	93	74	D3	
Story1	180	119	D4	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Base	1	1	From Area	UX; UY; UZ
Base	4	6	From Area	UX; UY; UZ
Base	5	8	From Area	UX; UY; UZ; RX; RY; RZ
Base	6	10	From Area	UX; UY; UZ
Base	7	12	From Area	UX; UY; UZ; RX; RY; RZ
Base	8	14	From Area	UX; UY; UZ
Base	9	16	From Area	UX; UY; UZ; RX; RY; RZ
Base	10	18	From Area	UX; UY; UZ
Base	11	20	From Area	UX; UY; UZ
Base	12	22	From Area	UX; UY; UZ
Base	13	24	From Area	UX; UY; UZ; RX; RY; RZ
Base	14	26	From Area	UX; UY; UZ; RX; RY; RZ
Base	15	28	From Area	UX; UY; UZ
Base	17	32	From Area	UX; UY; UZ
Base	18	34	From Area	UX; UY; UZ
Base	19	36	From Area	UX; UY; UZ
Base	20	38	From Area	UX; UY; UZ
Base	21	40	From Area	UX; UY; UZ; RX; RY; RZ
Base	22	42	From Area	UX; UY; UZ; RX; RY; RZ
Base	23	44	From Area	UX; UY; UZ
Base	25	48	From Area	UX; UY; UZ
Base	26	50	From Area	UX; UY; UZ
Base	27	52	From Area	UX; UY; UZ
Base	28	54	From Area	UX; UY; UZ; RX; RY; RZ
Base	29	56	From Area	UX; UY; UZ
Base	31	60	From Area	UX; UY; UZ
Base	32	62	From Area	UX; UY; UZ
Base	33	64	From Area	UX; UY; UZ
Base	35	68	From Area	UX; UY; UZ
Base	36	70	From Area	UX; UY; UZ
Base	37	72	From Area	UX; UY; UZ
Base	38	98	From Area	UX; UY; UZ
Base	39	76	From Area	UX; UY; UZ
Base	40	78	From Area	UX; UY; UZ
Base	41	82	From Area	UX; UY; UZ
Base	42	83	From Area	UX; UY; UZ
Base	43	86	From Area	UX; UY; UZ
Base	44	87	From Area	UX; UY; UZ
Base	45	90	From Area	UX; UY; UZ
Base	46	91	From Area	UX; UY; UZ
Base	47	92	From Area	UX; UY; UZ
Base	48	94	From Area	UX; UY; UZ
Base	49	96	From Area	UX; UY; UZ
Base	50	102	From Area	UX; UY; UZ
Base	51	103	From Area	UX; UY; UZ
Base	52	106	From Area	UX; UY; UZ
Base	53	107	From Area	UX; UY; UZ
Base	54	110	From Area	UX; UY; UZ
Base	55	111	From Area	UX; UY; UZ
Base	56	114	From Area	UX; UY; UZ

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Base	57	115	From Area	UX; UY; UZ
Base	59	168	From Area	UX; UY; UZ
Base	60	163	From Area	UX; UY; UZ
Base	78	142	From Area	UX; UY; UZ; RX; RY; RZ
Base	79	143	From Area	UX; UY; UZ; RX; RY; RZ
Base	80	148	From Area	UX; UY; UZ; RX; RY; RZ
Base	81	149	From Area	UX; UY; UZ; RX; RY; RZ
Base	82	150	From Area	UX; UY; UZ; RX; RY; RZ
Base	84	166	From Area	UX; UY; UZ
Base	85	294	From Area	UX; UY; UZ
Base	86	170	From Area	UX; UY; UZ
Base	87	169	From Area	UX; UY; UZ
Base	90	165	From Area	UX; UY; UZ
Base	91	164	From Area	UX; UY; UZ
Base	92	167	From Area	UX; UY; UZ
Base	16	30	From Area	UX; UY; UZ; RX; RY; RZ
Base	24	31	From Area	UX; UY; UZ
Base	62	171	From Area	UX; UY; UZ
Base	63	75	From Area	UX; UY; UZ
Base	68	123	From Area	UX; UY; UZ
Base	88	124	From Area	UX; UY; UZ
Base	138	290	From Area	UX; UY; UZ
Base	171	283	From Area	UX; UY; UZ
Base	172	336	From Area	UX; UY; UZ
Base	174	333	From Area	UX; UY; UZ
Base	181	334	From Area	UX; UY; UZ
Base	182	328	From Area	UX; UY; UZ
Base	257	891	From Area	UX; UY; UZ
Base	279	550	From Area	UX; UY; UZ
Base	295	634	From Area	UX; UY; UZ
Base	243	673	From Area	UX; UY; UZ
Base	244	675	From Area	UX; UY; UZ
Base	248	940	From Area	UX; UY; UZ
Base	292	732	From Area	UX; UY; UZ
Base	306	960	From Area	UX; UY; UZ
Base	309	959	From Area	UX; UY; UZ
Base	310	957	From Area	UX; UY; UZ
Base	313	774	From Area	UX; UY; UZ
Base	314	771	From Area	UX; UY; UZ
Base	325	786	From Area	UX; UY; UZ
Base	326	787	From Area	UX; UY; UZ
Base	331	794	From Area	UX; UY; UZ
Base	332	795	From Area	UX; UY; UZ
Base	335	798	From Area	UX; UY; UZ
Base	336	799	From Area	UX; UY; UZ
Base	67	921	From Area	UX; UY; UZ
Base	211	920	From Area	UX; UY; UZ
Base	363	939	From Area	UX; UY; UZ
Base	364	938	From Area	UX; UY; UZ
Base	372	956	From Area	UX; UY; UZ

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Base	399	906	From Area	UX; UY; UZ
Base	400	907	From Area	UX; UY; UZ
Base	401	908	From Area	UX; UY; UZ
Base	402	909	From Area	UX; UY; UZ
Base	446	157	From Area	UX; UY; UZ
Base	448	989	From Area	UX; UY; UZ
Base	464	922	From Area	UX; UY; UZ
Base	468	896	From Area	UX; UY; UZ
Base	493	993	From Area	UX; UY; UZ
Base	499	1001	From Area	UX; UY; UZ
Base	500	1002	From Area	UX; UY; UZ
Base	501	1032	From Area	UX; UY; UZ
Base	502	1033	From Area	UX; UY; UZ
Base	518	1034	From Area	UX; UY; UZ
Base	526	1045	From Area	UX; UY; UZ
Base	527	1046	From Area	UX; UY; UZ
Base	532	1057	From Area	UX; UY; UZ
Base	533	1060	From Area	UX; UY; UZ
Base	287	740	From Area	UX; UY; UZ
Base	290	741	From Area	UX; UY; UZ

3.2 Frame Assignments

Table 3.2 - Frame Assignments - Summary (Part 1 of 2)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
77	Story4	B18	Beam	5400	B300x700	B300x700		500
78	Story4	B20	Beam	5400	B300x700	B300x700		500
81	Story4	B28	Beam	5400	B300x700	B300x700		500
243	Story4	B29	Beam	5400	B300x700	B300x700		500
299	Story4	B31	Beam	5400	HE220B	HE220B		500
295	Story4	B32	Beam	5400	B300X400	B300X400		500
296	Story4	B34	Beam	5400	HE220B	HE220B		500
294	Story4	B41	Beam	5400	B300x700	B300x700		500
746	Story4	B44	Beam	5400	B300x700	B300x700		500
298	Story4	B48	Beam	5400	B300x600	B300x600		500
300	Story4	B55	Beam	5400	B200x600	B200x600		500
301	Story4	B60	Beam	5400	B200x600	B200x600		500
318	Story4	B62	Beam	5400	B200x600	B200x600		500
319	Story4	B63	Beam	5400	B200x600	B200x600		500
320	Story4	B64	Beam	5400	B200x600	B200x600		500
321	Story4	B65	Beam	5400	B200x600	B200x600		500
335	Story4	B70	Beam	5400	B300X400	B300X400		500
337	Story4	B71	Beam	5400	B300X400	B300X400		500
338	Story4	B72	Beam	5400	B300X400	B300X400		500
339	Story4	B73	Beam	5400	B300X400	B300X400		500
340	Story4	B74	Beam	5400	B300X400	B300X400		500
342	Story4	B75	Beam	5400	B300X400	B300X400		500
646	Story4	B78	Beam	5400	B200x600	B200x600		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
344	Story4	B79	Beam	5400	B200x600	B200x600		500
365	Story4	B80	Beam	5400	B200x600	B200x600		500
367	Story4	B81	Beam	5400	B200x600	B200x600		500
369	Story4	B82	Beam	5400	B200x600	B200x600		500
393	Story4	B83	Beam	5400	B200x600	B200x600		500
394	Story4	B209	Beam	5400	HE220B	HE220B		500
395	Story4	B210	Beam	15553.46	B300x700	B300x700		500
401	Story4	B211	Beam	14962.92	B300x700	B300x700		500
406	Story4	B213	Beam	2475	B1400X250	B1400X250		500
407	Story4	B214	Beam	5400	B300X400	B300X400		500
408	Story4	B215	Beam	5400	B300X400	B300X400		500
409	Story4	B216	Beam	5400	B300X400	B300X400		500
410	Story4	B217	Beam	5400	B300X400	B300X400		500
411	Story4	B218	Beam	5400	B300X400	B300X400		500
412	Story4	B219	Beam	5400	B300X400	B300X400		500
413	Story4	B220	Beam	5400	B300X400	B300X400		500
414	Story4	B221	Beam	5400	B300X400	B300X400		500
415	Story4	B222	Beam	5400	B200x600	B200x600		500
416	Story4	B223	Beam	5400	B200x600	B200x600		500
417	Story4	B224	Beam	5400	B300x600	B300x600		500
418	Story4	B225	Beam	5400	B200x600	B200x600		500
419	Story4	B226	Beam	5400	B200x600	B200x600		500
420	Story4	B227	Beam	5400	B300x600	B300x600		500
421	Story4	B228	Beam	5400	B200x600	B200x600		500
422	Story4	B284	Beam	5400	B200x600	B200x600		500
423	Story4	B285	Beam	5400	B200x600	B200x600		500
424	Story4	B286	Beam	5400	B300x600	B300x600		500
425	Story4	B287	Beam	5400	B200x600	B200x600		500
426	Story4	B288	Beam	5400	B200x600	B200x600		500
427	Story4	B293	Beam	5400	B300x700	B300x700		500
428	Story4	B294	Beam	5400	B300x700	B300x700		500
429	Story4	B295	Beam	5400	B300x700	B300x700		500
430	Story4	B296	Beam	5400	B300x700	B300x700		500
431	Story4	B299	Beam	5400	B300X400	B300X400		500
432	Story4	B300	Beam	5400	B300X400	B300X400		500
686	Story4	B301	Beam	5400	HE220B	HE220B		500
433	Story4	B302	Beam	5400	B300X400	B300X400		500
434	Story4	B303	Beam	5400	B300X400	B300X400		500
435	Story4	B304	Beam	5400	B200x600	B200x600		500
436	Story4	B305	Beam	5400	B200x600	B200x600		500
437	Story4	B306	Beam	5400	B200x600	B200x600		500
438	Story4	B307	Beam	5400	B200x600	B200x600		500
439	Story4	B308	Beam	5400	B200x600	B200x600		500
440	Story4	B309	Beam	5400	B200x600	B200x600		500
441	Story4	B310	Beam	5400	B200x600	B200x600		500
442	Story4	B311	Beam	5400	B200x600	B200x600		500
443	Story4	B231	Beam	2075	B200x400/300	B200x400/300		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
692	Story4	B232	Beam	2075	B200x400/300	B200x400/300		500
444	Story4	B233	Beam	2075	B200x400/300	B200x400/300		500
445	Story4	B234	Beam	2075	B200x400/300	B200x400/300		500
446	Story4	B235	Beam	2075	B200x400/300	B200x400/300		500
447	Story4	B236	Beam	2075	B200x400/300	B200x400/300		500
448	Story4	B237	Beam	2075	B200x400/300	B200x400/300		500
450	Story4	B238	Beam	2075	B200x400/300	B200x400/300		500
466	Story4	B239	Beam	2075	B200x400/300	B200x400/300		500
451	Story4	B240	Beam	2075	B200x400/300	B200x400/300		500
452	Story4	B241	Beam	2075	B200x400/300	B200x400/300		500
453	Story4	B242	Beam	2075	B200x400/300	B200x400/300		500
454	Story4	B243	Beam	2075	B200x400/300	B200x400/300		500
467	Story4	B271	Beam	11258.29	T150x300	N/A		500
469	Story4	B275	Beam	2087.37	B200x400/300	B200x400/300		500
474	Story4	B289	Beam	2087.37	T300X300	N/A		500
470	Story4	B290	Beam	5432.19	T150x300	N/A		500
471	Story4	B313	Beam	5432.19	T150x300	N/A		500
472	Story4	B314	Beam	5432.19	T150x300	N/A		500
473	Story4	B315	Beam	2087.37	T150x300	N/A		500
455	Story4	B35	Beam	2075	B200x400/300	B200x400/300		500
456	Story4	B111	Beam	2075	B200x400/300	B200x400/300		500
457	Story4	B112	Beam	2075	B200x400/300	B200x400/300		500
458	Story4	B113	Beam	2075	B200x400/300	B200x400/300		500
459	Story4	B114	Beam	2075	B200x400/300	B200x400/300		500
460	Story4	B115	Beam	2075	B200x400/300	B200x400/300		500
461	Story4	B116	Beam	2075	B200x400/300	B200x400/300		500
462	Story4	B117	Beam	2075	B200x400/300	B200x400/300		500
463	Story4	B118	Beam	2075	B200x400/300	B200x400/300		500
464	Story4	B119	Beam	2075	B200x400/300	B200x400/300		500
465	Story4	B161	Beam	2075	B200x400/300	B200x400/300		500
644	Story4	B162	Beam	5400	B300x600	B300x600		500
645	Story4	B253	Beam	5400	HE220B	HE220B		500
672	Story4	B263	Beam	5400	HE220B	HE220B		500
673	Story4	B265	Beam	5400	HE220B	HE220B		500
674	Story4	B267	Beam	5400	HE220B	HE220B		500
678	Story4	B268	Beam	5400	HE220B	HE220B		500
680	Story4	B269	Beam	5400	B300X400	B300X400		500
682	Story4	B270	Beam	5400	B300x600	B300x600		500
684	Story4	B272	Beam	5400	B300x600	B300x600		500
688	Story4	B274	Beam	5400	HE220B	HE220B		500
690	Story4	B276	Beam	5400	HE220B	HE220B		500
694	Story4	B278	Beam	2075	B200x400/300	B200x400/300		500
696	Story4	B280	Beam	2075	B200x400/300	B200x400/300		500
699	Story4	B282	Beam	9000	T150x300	N/A		500
700	Story4	B283	Beam	2075	B200x400/300	B200x400/300		500
706	Story4	B318	Beam	2075	B200x400/300	B200x400/300		500
708	Story4	B319	Beam	2075	B200x400/300	B200x400/300		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
715	Story4	B321	Beam	1800	T300X300	N/A		500
717	Story4	B323	Beam	36032.84	T150x300	N/A		500
719	Story4	B324	Beam	41372.39	HE240B	HE240B		500
721	Story4	B325	Beam	43144	HE240B	HE240B		500
722	Story4	B326	Beam	2075	B200x400/300	B200x400/300		500
728	Story4	B329	Beam	2075	B200x400/300	B200x400/300		500
738	Story4	B330	Beam	2075	B200x400/300	B200x400/300		500
740	Story4	B334	Beam	10800	T150x300	N/A		500
745	Story4	B336	Beam	7200	T150x300	N/A		500
749	Story4	B337	Beam	8091	T150x300	N/A		500
751	Story4	B338	Beam	8091	T150x300	N/A		500
753	Story4	B339	Beam	20350	T150x300	N/A		500
755	Story4	B340	Beam	20350	T300X300	N/A		500
757	Story4	B341	Beam	8091	T300X300	N/A		500
759	Story4	B342	Beam	8091	T300X300	N/A		500
468	Story4	B317	Beam	7200	T150x300	N/A		500
860	Story4	B349	Beam	16296.58	HE240B	HE240B		500
827	Story4	C3	Column	3600	TCol300x300	N/A		
775	Story4	C4	Column	3600	TUBO220X220X16	TUBO220X220X16		
777	Story4	C5	Column	3600	TUBO220X220X16	TUBO220X220X16		
783	Story4	C6	Column	3600	TUBO220X220X16	TUBO220X220X16		
787	Story4	C7	Column	3600	TUBO220X220X16	TUBO220X220X16		
815	Story4	C8	Column	3600	TUBO220X220X16	TUBO220X220X16		
761	Story4	C9	Column	3600	C300x300	C300x300		
817	Story4	C10	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
765	Story4	C11	Column	3600	C300x300	C300x300		
821	Story4	C12	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
402	Story4	C13	Column	3600	C450X250	C450X250	90	
813	Story4	C16	Column	3600	TUBO220X220X16	TUBO220X220X16		
763	Story4	C17	Column	3600	C300x300	C300x300		
819	Story4	C18	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
767	Story4	C19	Column	3600	C300x300	C300x300		
823	Story4	C20	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
825	Story4	C21	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
811	Story4	C24	Column	3600	TUBO220X220X16	TUBO220X220X16		
807	Story4	C25	Column	3600	TUBO220X220X16	TUBO220X220X16		
805	Story4	C26	Column	3600	TUBO220X220X16	TUBO220X220X16		
801	Story4	C27	Column	3600	TUBO220X220X16	TUBO220X220X16		
797	Story4	C28	Column	3600	TUBO220X220X16	TUBO220X220X16		
773	Story4	C47	Column	3600	C300x300	C300x300		
795	Story4	C48	Column	3600	TUBO220X220X16	TUBO220X220X16		
832	Story4	C62	Column	3600	TCol300x300	N/A		
789	Story4	C71	Column	3600	TUBO220X220X16	TUBO220X220X16		
791	Story4	C72	Column	3600	TUBO220X220X16	TUBO220X220X16		
405	Story4	C73	Column	3600	C450X250	C450X250		
779	Story4	C15	Column	3600	TUBO220X220X16	TUBO220X220X16		
781	Story4	C23	Column	3600	TUBO220X220X16	TUBO220X220X16		

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
785	Story4	C33	Column	3600	TUBO220X220X16	TUBO220X220X16		
793	Story4	C57	Column	3600	TUBO220X220X16	TUBO220X220X16		
799	Story4	C66	Column	3600	TUBO220X220X16	TUBO220X220X16		
809	Story4	C74	Column	3600	TUBO220X220X16	TUBO220X220X16		
829	Story4	C76	Column	3600	TCol300x300	N/A		
831	Story4	C77	Column	3600	TCol300x300	N/A		
908	Story4	C87	Column	3600	C380X250	C380X250	90	
910	Story4	C88	Column	3600	C380X250	C380X250	90	
949	Story4	C109	Column	1200	C300x300	C300x300		
950	Story4	C110	Column	1200	C300x300	C300x300		
951	Story4	C111	Column	1200	C300x300	C300x300		
928	Story4	C115	Column	1200	C450X250	C450X250	90	
929	Story4	C116	Column	1200	C450X250	C450X250	90	
930	Story4	C117	Column	1200	C450X250	C450X250	90	
931	Story4	C118	Column	1200	C900X250	C900X250		
932	Story4	C119	Column	1200	C900X250	C900X250		
933	Story4	C120	Column	1200	C900X250	C900X250		
943	Story4	C121	Column	1200	C300x300	C300x300		
944	Story4	C122	Column	1200	C300x300	C300x300		
945	Story4	C123	Column	1200	C300x300	C300x300		
713	Story4	D20	Brace	4500	SHCF200X200X10	SHCF200X200X10		
720	Story4	D22	Brace	4500	SHCF200X200X10	SHCF200X200X10		
725	Story4	D24	Brace	4483.26	SHCF200X200X10	SHCF200X200X10		
731	Story4	D28	Brace	4500	SHCF200X200X10	SHCF200X200X10		
733	Story4	D30	Brace	4500	SHCF200X200X10	SHCF200X200X10		
735	Story4	D32	Brace	4500	SHCF200X200X10	SHCF200X200X10		
846	Story4	D40	Brace	4500	SHCF200X200X10	SHCF200X200X10		
848	Story4	D42	Brace	4500	SHCF200X200X10	SHCF200X200X10		
850	Story4	D44	Brace	4500	SHCF200X200X10	SHCF200X200X10		
852	Story4	D46	Brace	4500	SHCF200X200X10	SHCF200X200X10		
854	Story4	D48	Brace	4500	SHCF200X200X10	SHCF200X200X10		
856	Story4	D50	Brace	4024.92	SHCF200X200X10	SHCF200X200X10		
870	Story4	D58	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
872	Story4	D60	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
874	Story4	D62	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
876	Story4	D64	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
158	Story4	D14	Brace	4500	SHCF200X200X10	SHCF200X200X10		
548	Story4	D16	Brace	4500	SHCF200X200X10	SHCF200X200X10		
676	Story4	D18	Brace	4500	SHCF200X200X10	SHCF200X200X10		
702	Story4	D34	Brace	4500	SHCF200X200X10	SHCF200X200X10		
835	Story4	D36	Brace	4500	SHCF200X200X10	SHCF200X200X10		
837	Story4	D38	Brace	4500	SHCF200X200X10	SHCF200X200X10		
475	Story3	B18	Beam	5400	B300x700	B300x700		500
476	Story3	B20	Beam	5400	B300x700	B300x700		500
477	Story3	B28	Beam	5400	B300x700	B300x700		500
478	Story3	B29	Beam	5400	B300x700	B300x700		500
483	Story3	B31	Beam	5400	HE220B	HE220B		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
480	Story3	B32	Beam	5400	B300X400	B300X400		500
481	Story3	B34	Beam	5400	HE220B	HE220B		500
479	Story3	B41	Beam	5400	B300x700	B300x700		500
747	Story3	B44	Beam	5400	B300x700	B300x700		500
482	Story3	B48	Beam	5400	B300x600	B300x600		500
484	Story3	B55	Beam	5400	B200x600	B200x600		500
485	Story3	B60	Beam	5400	B200x600	B200x600		500
486	Story3	B62	Beam	5400	B200x600	B200x600		500
487	Story3	B63	Beam	5400	B200x600	B200x600		500
488	Story3	B64	Beam	5400	B200x600	B200x600		500
489	Story3	B65	Beam	5400	B200x600	B200x600		500
490	Story3	B70	Beam	5400	B300X400	B300X400		500
491	Story3	B71	Beam	5400	B300X400	B300X400		500
492	Story3	B72	Beam	5400	B300X400	B300X400		500
493	Story3	B73	Beam	5400	B300X400	B300X400		500
494	Story3	B74	Beam	5400	B300X400	B300X400		500
495	Story3	B75	Beam	5400	B300X400	B300X400		500
671	Story3	B78	Beam	5400	B200x600	B200x600		500
496	Story3	B79	Beam	5400	B200x600	B200x600		500
497	Story3	B80	Beam	5400	B200x600	B200x600		500
498	Story3	B81	Beam	5400	B200x600	B200x600		500
499	Story3	B82	Beam	5400	B200x600	B200x600		500
500	Story3	B83	Beam	5400	B200x600	B200x600		500
501	Story3	B209	Beam	5400	HE220B	HE220B		500
502	Story3	B210	Beam	15553.46	B300x700	B300x700		500
503	Story3	B211	Beam	14962.92	B300x700	B300x700		500
508	Story3	B213	Beam	2475	B1400X250	B1400X250		500
509	Story3	B214	Beam	5400	B300X400	B300X400		500
510	Story3	B215	Beam	5400	B300X400	B300X400		500
511	Story3	B216	Beam	5400	B300X400	B300X400		500
512	Story3	B217	Beam	5400	B300X400	B300X400		500
513	Story3	B218	Beam	5400	B300X400	B300X400		500
514	Story3	B219	Beam	5400	B300X400	B300X400		500
515	Story3	B220	Beam	5400	B300X400	B300X400		500
516	Story3	B221	Beam	5400	B300X400	B300X400		500
517	Story3	B222	Beam	5400	B200x600	B200x600		500
518	Story3	B223	Beam	5400	B200x600	B200x600		500
519	Story3	B224	Beam	5400	B300x600	B300x600		500
520	Story3	B225	Beam	5400	B200x600	B200x600		500
551	Story3	B226	Beam	5400	B200x600	B200x600		500
553	Story3	B227	Beam	5400	B300x600	B300x600		500
589	Story3	B228	Beam	5400	B200x600	B200x600		500
591	Story3	B284	Beam	5400	B200x600	B200x600		500
592	Story3	B285	Beam	5400	B200x600	B200x600		500
593	Story3	B286	Beam	5400	B300x600	B300x600		500
594	Story3	B287	Beam	5400	B200x600	B200x600		500
595	Story3	B288	Beam	5400	B200x600	B200x600		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
899	Story3	B291	Beam	5400	HE240B	HE240B		500
905	Story3	B292	Beam	5400	HE240B	HE240B		500
596	Story3	B293	Beam	5400	B300x700	B300x700		500
597	Story3	B294	Beam	5400	B300x700	B300x700		500
598	Story3	B295	Beam	5400	B300x700	B300x700		500
599	Story3	B296	Beam	5400	B300x700	B300x700		500
859	Story3	B297	Beam	5400	HE240B	HE240B		500
861	Story3	B298	Beam	5400	HE240B	HE240B		500
600	Story3	B299	Beam	5400	B300X400	B300X400		500
601	Story3	B300	Beam	5400	B300X400	B300X400		500
687	Story3	B301	Beam	5400	HE220B	HE220B		500
602	Story3	B302	Beam	5400	B300X400	B300X400		500
603	Story3	B303	Beam	5400	B300X400	B300X400		500
604	Story3	B304	Beam	5400	B200x600	B200x600		500
605	Story3	B305	Beam	5400	B200x600	B200x600		500
606	Story3	B306	Beam	5400	B200x600	B200x600		500
607	Story3	B307	Beam	5400	B200x600	B200x600		500
608	Story3	B308	Beam	5400	B200x600	B200x600		500
609	Story3	B309	Beam	5400	B200x600	B200x600		500
610	Story3	B310	Beam	5400	B200x600	B200x600		500
611	Story3	B311	Beam	5400	B200x600	B200x600		500
612	Story3	B231	Beam	2075	B200x400/300	B200x400/300		500
693	Story3	B232	Beam	2075	B200x400/300	B200x400/300		500
613	Story3	B233	Beam	2075	B200x400/300	B200x400/300		500
614	Story3	B234	Beam	2075	B200x400/300	B200x400/300		500
615	Story3	B235	Beam	2075	B200x400/300	B200x400/300		500
616	Story3	B236	Beam	2075	B200x400/300	B200x400/300		500
617	Story3	B237	Beam	2075	B200x400/300	B200x400/300		500
620	Story3	B240	Beam	2075	B200x400/300	B200x400/300		500
621	Story3	B241	Beam	2075	B200x400/300	B200x400/300		500
622	Story3	B242	Beam	2075	B200x400/300	B200x400/300		500
623	Story3	B243	Beam	2075	B200x400/300	B200x400/300		500
636	Story3	B271	Beam	11258.29	T150x300	N/A		500
638	Story3	B275	Beam	2087.37	B200x400/300	B200x400/300		500
643	Story3	B289	Beam	2087.37	T300X300	N/A		500
639	Story3	B290	Beam	5432.19	T300X300	N/A		500
640	Story3	B313	Beam	5432.19	T300X300	N/A		500
641	Story3	B314	Beam	5432.19	T150x300	N/A		500
642	Story3	B315	Beam	2087.37	T150x300	N/A		500
624	Story3	B35	Beam	2075	B200x400/300	B200x400/300		500
625	Story3	B111	Beam	2075	B200x400/300	B200x400/300		500
626	Story3	B112	Beam	2075	B200x400/300	B200x400/300		500
627	Story3	B113	Beam	2075	B200x400/300	B200x400/300		500
628	Story3	B114	Beam	2075	B200x400/300	B200x400/300		500
629	Story3	B115	Beam	2075	B200x400/300	B200x400/300		500
630	Story3	B116	Beam	2075	B200x400/300	B200x400/300		500
631	Story3	B117	Beam	2075	B200x400/300	B200x400/300		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
632	Story3	B118	Beam	2075	B200x400/300	B200x400/300		500
633	Story3	B119	Beam	2075	B200x400/300	B200x400/300		500
634	Story3	B161	Beam	2075	B200x400/300	B200x400/300		500
647	Story3	B162	Beam	5400	B300x600	B300x600		500
677	Story3	B267	Beam	5400	HE220B	HE220B		500
681	Story3	B269	Beam	5400	B300X400	B300X400		500
683	Story3	B270	Beam	5400	B300x600	B300x600		500
685	Story3	B272	Beam	5400	B300x600	B300x600		500
695	Story3	B278	Beam	2075	B200x400/300	B200x400/300		500
697	Story3	B280	Beam	2075	B200x400/300	B200x400/300		500
698	Story3	B282	Beam	9000	T150x300	N/A		500
701	Story3	B283	Beam	2075	B200x400/300	B200x400/300		500
707	Story3	B318	Beam	2075	B200x400/300	B200x400/300		500
709	Story3	B319	Beam	2075	B200x400/300	B200x400/300		500
712	Story3	B321	Beam	1800	T300X300	N/A		500
714	Story3	B323	Beam	36032.84	T150x300	N/A		500
723	Story3	B326	Beam	2075	B200x400/300	B200x400/300		500
729	Story3	B329	Beam	2075	B200x400/300	B200x400/300		500
739	Story3	B330	Beam	2075	B200x400/300	B200x400/300		500
742	Story3	B334	Beam	10800	T150x300	N/A		500
744	Story3	B336	Beam	7200	T150x300	N/A		500
748	Story3	B337	Beam	8091	T150x300	N/A		500
750	Story3	B338	Beam	8091	T150x300	N/A		500
752	Story3	B339	Beam	20350	T150x300	N/A		500
754	Story3	B340	Beam	20350	T300X300	N/A		500
756	Story3	B341	Beam	8091	T300X300	N/A		500
758	Story3	B342	Beam	8091	T300X300	N/A		500
710	Story3	B327	Beam	2672	HE240B	HE240B		500
736	Story3	B328	Beam	2700	HE240B	HE240B		500
838	Story3	B335	Beam	2700	HE240B	HE240B		500
844	Story3	B348	Beam	1772.39	HE240B	HE240B		500
865	Story3	B350	Beam	2716.1	HE240B	HE240B		500
868	Story3	B359	Beam	2716.1	HE240B	HE240B		500
90	Story3	B33	Beam	2700	HE220B	HE220B		500
91	Story3	B36	Beam	2700	HE220B	HE220B		500
92	Story3	B37	Beam	2700	HE220B	HE220B		500
112	Story3	B39	Beam	2700	HE220B	HE220B		500
549	Story3	B42	Beam	2700	HE220B	HE220B		500
550	Story3	B45	Beam	2700	HE220B	HE220B		500
637	Story3	B46	Beam	2700	HE220B	HE220B		500
670	Story3	B52	Beam	2700	HE220B	HE220B		500
703	Story3	B362	Beam	2700	HE220B	HE220B		500
718	Story3	B363	Beam	2700	HE220B	HE220B		500
802	Story3	B364	Beam	2700	HE220B	HE220B		500
803	Story3	B365	Beam	2700	HE220B	HE220B		500
689	Story3	B367	Beam	2700	HE240B	HE240B		500
691	Story3	B368	Beam	2700	HE240B	HE240B		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
842	Story3	B369	Beam	2700	HE240B	HE240B		500
862	Story3	B370	Beam	2700	HE240B	HE240B		500
863	Story3	B371	Beam	2700	HE240B	HE240B		500
864	Story3	B372	Beam	1800	HE240B	HE240B		500
877	Story3	B373	Beam	2700	HE240B	HE240B		500
878	Story3	B374	Beam	2700	HE240B	HE240B		500
885	Story3	B375	Beam	2700	HE240B	HE240B		500
887	Story3	B376	Beam	2700	HE240B	HE240B		500
890	Story3	B377	Beam	2700	HE240B	HE240B		500
892	Story3	B378	Beam	2672	HE240B	HE240B		500
894	Story3	B379	Beam	2700	HE240B	HE240B		500
895	Story3	B380	Beam	2700	HE240B	HE240B		500
896	Story3	B381	Beam	2700	HE240B	HE240B		500
897	Story3	B382	Beam	2700	HE240B	HE240B		500
898	Story3	B383	Beam	2700	HE240B	HE240B		500
903	Story3	B385	Beam	2700	HE240B	HE240B		500
904	Story3	B386	Beam	2700	HE240B	HE240B		500
906	Story3	B387	Beam	2700	HE240B	HE240B		500
911	Story3	B390	Beam	2716.1	HE240B	HE240B		500
912	Story3	B391	Beam	2716.1	HE240B	HE240B		500
913	Story3	B392	Beam	2716.1	HE240B	HE240B		500
914	Story3	B393	Beam	2716.1	HE240B	HE240B		500
826	Story3	C3	Column	3600	TCol300x300	N/A		
774	Story3	C4	Column	3600	TUBO220X220X16	TUBO220X220X16		
776	Story3	C5	Column	3600	TUBO220X220X16	TUBO220X220X16		
782	Story3	C6	Column	3600	TUBO220X220X16	TUBO220X220X16		
786	Story3	C7	Column	3600	TUBO220X220X16	TUBO220X220X16		
814	Story3	C8	Column	3600	TUBO220X220X16	TUBO220X220X16		
760	Story3	C9	Column	3600	C300x300	C300x300		
816	Story3	C10	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
764	Story3	C11	Column	3600	C300x300	C300x300		
820	Story3	C12	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
504	Story3	C13	Column	3600	C450X250	C450X250	90	
812	Story3	C16	Column	3600	TUBO220X220X16	TUBO220X220X16		
762	Story3	C17	Column	3600	C300x300	C300x300		
818	Story3	C18	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
766	Story3	C19	Column	3600	C300x300	C300x300		
822	Story3	C20	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
824	Story3	C21	Column	3600	CFSHS250X250X12.5	CFSHS250X250X12.5		
810	Story3	C24	Column	3600	TUBO220X220X16	TUBO220X220X16		
806	Story3	C25	Column	3600	TUBO220X220X16	TUBO220X220X16		
804	Story3	C26	Column	3600	TUBO220X220X16	TUBO220X220X16		
800	Story3	C27	Column	3600	TUBO220X220X16	TUBO220X220X16		
796	Story3	C28	Column	3600	TUBO220X220X16	TUBO220X220X16		
772	Story3	C47	Column	3600	C300x300	C300x300		
794	Story3	C48	Column	3600	TUBO220X220X16	TUBO220X220X16		
833	Story3	C62	Column	3600	TCol300x300	N/A		

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
788	Story3	C71	Column	3600	TUBO220X220X16	TUBO220X220X16		
790	Story3	C72	Column	3600	TUBO220X220X16	TUBO220X220X16		
507	Story3	C73	Column	3600	C450X250	C450X250		
778	Story3	C15	Column	3600	TUBO220X220X16	TUBO220X220X16		
780	Story3	C23	Column	3600	TUBO220X220X16	TUBO220X220X16		
784	Story3	C33	Column	3600	TUBO220X220X16	TUBO220X220X16		
792	Story3	C57	Column	3600	TUBO220X220X16	TUBO220X220X16		
798	Story3	C66	Column	3600	TUBO220X220X16	TUBO220X220X16		
808	Story3	C74	Column	3600	TUBO220X220X16	TUBO220X220X16		
828	Story3	C76	Column	3600	TCol300x300	N/A		
830	Story3	C77	Column	3600	TCol300x300	N/A		
907	Story3	C87	Column	3600	C380X250	C380X250	90	
909	Story3	C88	Column	3600	C380X250	C380X250	90	
946	Story3	C109	Column	1200	C300x300	C300x300		
947	Story3	C110	Column	1200	C300x300	C300x300		
948	Story3	C111	Column	1200	C300x300	C300x300		
934	Story3	C115	Column	1200	C450X250	C450X250	90	
935	Story3	C116	Column	1200	C450X250	C450X250	90	
936	Story3	C117	Column	1200	C450X250	C450X250	90	
937	Story3	C118	Column	1200	C900X250	C900X250		
938	Story3	C119	Column	1200	C900X250	C900X250		
939	Story3	C120	Column	1200	C900X250	C900X250		
940	Story3	C121	Column	1200	C300x300	C300x300		
941	Story3	C122	Column	1200	C300x300	C300x300		
942	Story3	C123	Column	1200	C300x300	C300x300		
711	Story3	D19	Brace	4500	SHCF200X200X10	SHCF200X200X10		
716	Story3	D21	Brace	4500	SHCF200X200X10	SHCF200X200X10		
724	Story3	D23	Brace	4483.26	SHCF200X200X10	SHCF200X200X10		
726	Story3	D25	Brace	4500	SHCF200X200X10	SHCF200X200X10		
727	Story3	D26	Brace	4500	SHCF200X200X10	SHCF200X200X10		
730	Story3	D27	Brace	4500	SHCF200X200X10	SHCF200X200X10		
732	Story3	D29	Brace	4500	SHCF200X200X10	SHCF200X200X10		
734	Story3	D31	Brace	4500	SHCF200X200X10	SHCF200X200X10		
845	Story3	D39	Brace	4500	SHCF200X200X10	SHCF200X200X10		
847	Story3	D41	Brace	4500	SHCF200X200X10	SHCF200X200X10		
849	Story3	D43	Brace	4500	SHCF200X200X10	SHCF200X200X10		
851	Story3	D45	Brace	4500	SHCF200X200X10	SHCF200X200X10		
853	Story3	D47	Brace	4500	SHCF200X200X10	SHCF200X200X10		
857	Story3	D51	Brace	4500	SHCF200X200X10	SHCF200X200X10		
858	Story3	D52	Brace	4500	SHCF200X200X10	SHCF200X200X10		
869	Story3	D57	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
871	Story3	D59	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
873	Story3	D61	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
875	Story3	D63	Brace	4509.68	SHCF200X200X10	SHCF200X200X10		
879	Story3	D67	Brace	4500	SHCF200X200X10	SHCF200X200X10		
880	Story3	D68	Brace	4500	SHCF200X200X10	SHCF200X200X10		
886	Story3	D72	Brace	4500	SHCF200X200X10	SHCF200X200X10		

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
888	Story3	D74	Brace	4500	SHCF200X200X10	SHCF200X200X10		
891	Story3	D76	Brace	4500	SHCF200X200X10	SHCF200X200X10		
893	Story3	D78	Brace	4500	SHCF200X200X10	SHCF200X200X10		
113	Story3	D13	Brace	4500	SHCF200X200X10	SHCF200X200X10		
547	Story3	D15	Brace	4500	SHCF200X200X10	SHCF200X200X10		
675	Story3	D17	Brace	4500	SHCF200X200X10	SHCF200X200X10		
679	Story3	D33	Brace	4500	SHCF200X200X10	SHCF200X200X10		
834	Story3	D35	Brace	4500	SHCF200X200X10	SHCF200X200X10		
836	Story3	D37	Brace	4500	SHCF200X200X10	SHCF200X200X10		
704	Story3	D53	Brace	4012.65	SHCF200X200X10	SHCF200X200X10		
111	Story2	B19	Beam	2134.31	B300X650	B300X650		500
187	Story2	B22	Beam	5497.42	T300X300	N/A		500
188	Story2	B23	Beam	5497.42	T300X300	N/A		500
347	Story2	B38	Beam	5432.19	B1200X250	B1200X250		500
192	Story2	B4	Beam	5497.42	T300X300	N/A		500
667	Story2	B6	Beam	7254.05	T150x300	N/A		500
114	Story2	B7	Beam	5497.42	B300X650	B300X650		500
115	Story2	B8	Beam	5497.42	B300X650	B300X650		500
117	Story2	B9	Beam	3363.1	B300X650	B300X650		500
121	Story2	B10	Beam	3303.51	B800X1400	B800X1400		500
122	Story2	B11	Beam	5400	B800X1400	B800X1400		500
125	Story2	B12	Beam	5400	B800X1400	B800X1400		500
669	Story2	B14	Beam	7254.05	T150x300	N/A		500
126	Story2	B15	Beam	630.32	B300X650	B300X650		500
127	Story2	B17	Beam	5400	B300X650	B300X650		500
129	Story2	B18	Beam	5400	B300X650	B300X650		500
138	Story2	B20	Beam	5400	B300X650	B300X650		500
668	Story2	B25	Beam	7254.05	T150x300	N/A		500
139	Story2	B26	Beam	1660.66	B300X650	B300X650		500
140	Story2	B27	Beam	5400	B300X650	B300X650		500
141	Story2	B28	Beam	5400	B300X650	B300X650		500
142	Story2	B29	Beam	5400	B300X650	B300X650		500
154	Story2	B31	Beam	5400	B300X400	B300X400		500
147	Story2	B32	Beam	5400	B300X400	B300X400		500
149	Story2	B34	Beam	5400	B300X400	B300X400		500
143	Story2	B40	Beam	4999.98	B250X700	B250X700		500
144	Story2	B41	Beam	5400	B300X650	B300X650		500
145	Story2	B44	Beam	5400	B300X650	B300X650		500
151	Story2	B47	Beam	5400	B250X700	B250X700		500
152	Story2	B48	Beam	5400	B300X400	B300X400		500
156	Story2	B50	Beam	5400	B1400X250	B1400X250		500
157	Story2	B54	Beam	5400	B1400X250	B1400X250		500
159	Story2	B55	Beam	5400	B300X400	B300X400		500
160	Story2	B60	Beam	5400	B300X400	B300X400		500
161	Story2	B62	Beam	5400	B300X400	B300X400		500
162	Story2	B63	Beam	5400	B300X400	B300X400		500
163	Story2	B64	Beam	5400	B300X400	B300X400		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
164	Story2	B65	Beam	5400	B300X400	B300X400		500
169	Story2	B66	Beam	5400	B300X400	B300X400		500
170	Story2	B67	Beam	5400	B300X400	B300X400		500
171	Story2	B70	Beam	5400	B300X400	B300X400		500
172	Story2	B71	Beam	5400	B300X400	B300X400		500
173	Story2	B72	Beam	5400	B300X400	B300X400		500
174	Story2	B73	Beam	5400	B300X400	B300X400		500
175	Story2	B74	Beam	5400	B300X400	B300X400		500
176	Story2	B75	Beam	5400	B300X400	B300X400		500
177	Story2	B76	Beam	5400	B300X400	B300X400		500
178	Story2	B77	Beam	5400	B300X400	B300X400		500
179	Story2	B78	Beam	5400	B300X400	B300X400		500
180	Story2	B79	Beam	5400	B300X400	B300X400		500
182	Story2	B81	Beam	5400	B300X400	B300X400		500
183	Story2	B82	Beam	5400	B300X400	B300X400		500
184	Story2	B83	Beam	5400	B300X400	B300X400		500
185	Story2	B84	Beam	5400	B300X400	B300X400		500
186	Story2	B85	Beam	5400	B300X400	B300X400		500
351	Story2	B209	Beam	5400	B300X400	B300X400		500
352	Story2	B210	Beam	15553.46	B300X650	B300X650		500
353	Story2	B211	Beam	14962.92	B300X650	B300X650		500
375	Story2	B213	Beam	2475	B1400X250	B1400X250		500
378	Story2	B214	Beam	5400	B300X400	B300X400		500
380	Story2	B215	Beam	5400	B300X400	B300X400		500
382	Story2	B216	Beam	5400	B300X400	B300X400		500
384	Story2	B217	Beam	5400	B300X400	B300X400		500
386	Story2	B218	Beam	5400	B300X400	B300X400		500
388	Story2	B219	Beam	5400	B300X400	B300X400		500
390	Story2	B220	Beam	5400	B300X400	B300X400		500
392	Story2	B221	Beam	5400	B300X400	B300X400		500
522	Story2	B222	Beam	5400	B300X400	B300X400		500
524	Story2	B223	Beam	5400	B300X400	B300X400		500
526	Story2	B224	Beam	5400	B300X400	B300X400		500
528	Story2	B225	Beam	5400	B300X400	B300X400		500
530	Story2	B226	Beam	5400	B300X400	B300X400		500
532	Story2	B227	Beam	5400	B300X400	B300X400		500
534	Story2	B228	Beam	5400	B300X400	B300X400		500
536	Story2	B229	Beam	5400	B300X400	B300X400		500
538	Story2	B284	Beam	5400	B300X400	B300X400		500
540	Story2	B285	Beam	5400	B300X400	B300X400		500
542	Story2	B286	Beam	5400	B300X400	B300X400		500
544	Story2	B287	Beam	5400	B300X400	B300X400		500
546	Story2	B288	Beam	5400	B300X400	B300X400		500
555	Story2	B291	Beam	5400	B2000X250	B2000X250		500
556	Story2	B292	Beam	5400	B2000X250	B2000X250		500
557	Story2	B293	Beam	5400	B1600X300	B1600X300		500
558	Story2	B294	Beam	5400	B1600X300	B1600X300		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
559	Story2	B295	Beam	5400	B1600X300	B1600X300		500
560	Story2	B296	Beam	5400	B1600X300	B1600X300		500
561	Story2	B297	Beam	5400	B1600X250	B1600X250		500
562	Story2	B298	Beam	5400	B1600X250	B1600X250		500
563	Story2	B299	Beam	5400	B300X400	B300X400		500
564	Story2	B300	Beam	5400	B300X400	B300X400		500
565	Story2	B301	Beam	5400	B300X400	B300X400		500
566	Story2	B302	Beam	5400	B300X400	B300X400		500
567	Story2	B303	Beam	5400	B300X400	B300X400		500
568	Story2	B304	Beam	5400	B300X400	B300X400		500
569	Story2	B305	Beam	5400	B300X400	B300X400		500
570	Story2	B306	Beam	5400	B300X400	B300X400		500
571	Story2	B307	Beam	5400	B300X400	B300X400		500
572	Story2	B308	Beam	5400	B300X400	B300X400		500
573	Story2	B309	Beam	5400	B300X400	B300X400		500
574	Story2	B310	Beam	5400	B300X400	B300X400		500
575	Story2	B311	Beam	5400	B300X400	B300X400		500
1	Story2	B1	Beam	7254.05	T150x300	N/A		500
67	Story2	B43	Beam	2112.43	B200x400/300	B200x400/300		500
72	Story2	B51	Beam	2112.43	B200x400/300	B200x400/300		500
79	Story2	B68	Beam	2112.43	T150x300	N/A		500
80	Story2	B69	Beam	5497.42	T150x300	N/A		500
86	Story2	B103	Beam	5497.42	T150x300	N/A		500
87	Story2	B104	Beam	2112.43	T150x300	N/A		500
104	Story2	B107	Beam	2112.43	T300X300	N/A		500
105	Story2	B108	Beam	2112.43	T300X300	N/A		500
128	Story2	B153	Beam	2117.01	T150x300	N/A		500
153	Story2	B159	Beam	7254.05	T150x300	N/A		500
165	Story2	B197	Beam	2117.01	T150x300	N/A		500
166	Story2	B198	Beam	7254.05	T150x300	N/A		500
168	Story2	B200	Beam	2117.01	T150x300	N/A		500
208	Story2	B202	Beam	2117.01	T150x300	N/A		500
213	Story2	B204	Beam	2117.01	T150x300	N/A		500
215	Story2	B206	Beam	2117.01	T150x300	N/A		500
217	Story2	B212	Beam	2075	B200x400/300	B200x400/300		500
218	Story2	B230	Beam	2075	B200x400/300	B200x400/300		500
219	Story2	B231	Beam	2075	B200x400/300	B200x400/300		500
220	Story2	B232	Beam	2075	B200x400/300	B200x400/300		500
222	Story2	B234	Beam	2075	B200x400/300	B200x400/300		500
223	Story2	B235	Beam	2075	B200x400/300	B200x400/300		500
224	Story2	B236	Beam	2075	B200x400/300	B200x400/300		500
225	Story2	B237	Beam	2075	B200x400/300	B200x400/300		500
226	Story2	B238	Beam	2075	B200x400/300	B200x400/300		500
227	Story2	B239	Beam	2075	B200x400/300	B200x400/300		500
228	Story2	B240	Beam	2075	B200x400/300	B200x400/300		500
229	Story2	B241	Beam	2075	B200x400/300	B200x400/300		500
230	Story2	B242	Beam	2075	B200x400/300	B200x400/300		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
231	Story2	B243	Beam	2075	B200x400/300	B200x400/300		500
334	Story2	B264	Beam	12086.92	T150x300	N/A		500
336	Story2	B266	Beam	16200	T150x300	N/A		500
341	Story2	B271	Beam	11258.29	T150x300	N/A		500
343	Story2	B273	Beam	47836.9	T150x300	N/A		500
345	Story2	B275	Beam	2087.37	B200x400/300	B200x400/300		500
366	Story2	B277	Beam	2087.37	B200x400/300	B200x400/300		500
368	Story2	B279	Beam	2087.37	B200x400/300	B200x400/300		500
370	Story2	B281	Beam	2087.37	B200x400/300	B200x400/300		500
400	Story2	B289	Beam	2087.37	T300X300	N/A		500
396	Story2	B290	Beam	5432.19	T300X300	N/A		500
397	Story2	B313	Beam	5432.19	T300X300	N/A		500
398	Story2	B314	Beam	5432.19	T300X300	N/A		500
399	Story2	B315	Beam	2087.37	T300X300	N/A		500
2	Story2	B57	Beam	5400	B300X400	B300X400		500
16	Story2	B58	Beam	2075	B200x400/300	B200x400/300		500
238	Story2	B35	Beam	2075	B200x400/300	B200x400/300		500
239	Story2	B111	Beam	2075	B200x400/300	B200x400/300		500
241	Story2	B112	Beam	2075	B200x400/300	B200x400/300		500
242	Story2	B113	Beam	2075	B200x400/300	B200x400/300		500
244	Story2	B114	Beam	2075	B200x400/300	B200x400/300		500
245	Story2	B115	Beam	2075	B200x400/300	B200x400/300		500
247	Story2	B116	Beam	2075	B200x400/300	B200x400/300		500
250	Story2	B117	Beam	2075	B200x400/300	B200x400/300		500
251	Story2	B118	Beam	2075	B200x400/300	B200x400/300		500
253	Story2	B119	Beam	2075	B200x400/300	B200x400/300		500
254	Story2	B161	Beam	2075	B200x400/300	B200x400/300		500
889	Story2	B162	Beam	5400	B300X400	B300X400		500
256	Story2	B283	Beam	2075	B200x400/300	B200x400/300		500
291	Story2	B318	Beam	2075	B200x400/300	B200x400/300		500
248	Story2	B316	Beam	2075	B200x400/300	B200x400/300		500
257	Story2	B360	Beam	2075	B200x400/300	B200x400/300		500
297	Story2	B361	Beam	2075	B200x400/300	B200x400/300		500
181	Story2	B320	Beam	5402.37	B300X400	B300X400		500
221	Story2	B322	Beam	2081.16	B200x400/300	B200x400/300		500
976	Story2	B344	Beam	5400	B2000X250	B2000X250		500
94	Story2	C9	Column	3600	C400x400	C400x400		
96	Story2	C11	Column	3600	C1050x300	C1050x300		
355	Story2	C13	Column	3600	C950x300	C950x300		
356	Story2	C14	Column	3600	C550x400	C550x400		
101	Story2	C17	Column	3600	C400x400	C400x400	90	
107	Story2	C19	Column	3600	C1050x300	C1050x300		
357	Story2	C21	Column	3600	C900X300	C900X300		
358	Story2	C22	Column	3600	C400x400	C400x400		
110	Story2	C26	Column	3600	C700X250	C700X250		
361	Story2	C47	Column	3600	C400x400	C400x400		
364	Story2	C72	Column	3600	C380X250	C380X250	90	

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
372	Story2	C60	Column	3600	C900X250	C900X250		
373	Story2	C73	Column	3600	C450X250	C450X250		
97	Story2	C29	Column	7120	HE400A	HE400A	100.802	
98	Story2	C78	Column	7120	HE400A	HE400A	100.802	
99	Story2	C79	Column	7120	HE400A	HE400A	190.802	
38	Story2	C80	Column	7120	HE400A	HE400A	190.802	
5	Story2	C64	Column	7120	C1200x250	C1200x250		
7	Story2	C65	Column	7120	C700X250	C700X250		
9	Story2	C81	Column	7120	C700X300	C700X300		
13	Story2	C82	Column	7120	C700X300	C700X300		
21	Story2	C83	Column	7120	C700X300	C700X300		
28	Story2	C84	Column	7120	C700X250	C700X250		
82	Story2	C85	Column	7120	C600x400	C600x400		
83	Story2	C86	Column	7120	C600x400	C600x400		
741	Story2	C89	Column	3600	C400x400	C400x400		
919	Story2	C106	Column	1200	C380x900	C380x900	90	
920	Story2	C107	Column	1200	C380x900	C380x900	90	
921	Story2	C108	Column	1200	C380x900	C380x900	90	
922	Story2	C109	Column	1200	C400x400	C400x400		
923	Story2	C110	Column	1200	C400x400	C400x400		
924	Story2	C111	Column	1200	C400x400	C400x400		
925	Story2	C112	Column	1200	C380x900	C380x900		
926	Story2	C113	Column	1200	C380x900	C380x900		
927	Story2	C114	Column	1200	C380x900	C380x900		
116	Story1	B49	Beam	39450	T300X300	N/A		500
120	Story1	B53	Beam	6515.29	T300X300	N/A		500
123	Story1	B56	Beam	6438.16	T300X300	N/A		500
68	Story1	B18	Beam	5400	B300X750	B300X750		500
69	Story1	B20	Beam	5400	B300X750	B300X750		500
75	Story1	B29	Beam	5400	B300X750	B300X750		500
146	Story1	B32	Beam	5400	B300X750	B300X750		500
148	Story1	B34	Beam	5400	B300X750	B300X750		500
84	Story1	B41	Beam	5400	B300X750	B300X750		500
88	Story1	B44	Beam	5400	B300X750	B300X750		500
150	Story1	B47	Beam	5400	B300X500	B300X500		500
587	Story1	B55	Beam	5400	B300X500	B300X500		500
586	Story1	B60	Beam	5400	B300X500	B300X500		500
585	Story1	B62	Beam	5400	B300X500	B300X500		500
584	Story1	B63	Beam	5400	B300X500	B300X500		500
579	Story1	B64	Beam	5400	B300X500	B300X500		500
578	Story1	B65	Beam	5400	B300X500	B300X500		500
577	Story1	B74	Beam	5400	B300X500	B300X500		500
576	Story1	B75	Beam	5400	B300X500	B300X500		500
583	Story1	B80	Beam	5400	B300X500	B300X500		500
582	Story1	B81	Beam	5400	B300X500	B300X500		500
581	Story1	B82	Beam	5400	B300X500	B300X500		500
580	Story1	B83	Beam	5400	B300X500	B300X500		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
194	Story1	B86	Beam	5820.24	HE400A	HE400A		500
195	Story1	B87	Beam	4400	HE400A	HE400A		500
196	Story1	B88	Beam	4400	HE400A	HE400A		500
197	Story1	B89	Beam	4400	HE400A	HE400A		500
198	Story1	B90	Beam	4400	HE400A	HE400A		500
199	Story1	B91	Beam	4400	HE400A	HE400A		500
200	Story1	B92	Beam	4400	HE400A	HE400A		500
201	Story1	B93	Beam	4400	HE400A	HE400A		500
202	Story1	B94	Beam	4749.92	HE400A	HE400A		500
204	Story1	B95	Beam	3969.64	HE400A	HE400A		500
205	Story1	B96	Beam	5400	HE400A	HE400A		500
206	Story1	B97	Beam	5400	HE400A	HE400A		500
207	Story1	B98	Beam	5400	HE400A	HE400A		500
209	Story1	B100	Beam	5400	HE400A	HE400A		500
210	Story1	B101	Beam	5400	HE400A	HE400A		500
211	Story1	B102	Beam	2981.85	HE400A	HE400A		500
258	Story1	B120	Beam	3822.74	T300X300	N/A		500
259	Story1	B121	Beam	3822.74	T300X300	N/A		500
260	Story1	B122	Beam	3822.74	T300X300	N/A		500
261	Story1	B123	Beam	3777.39	T300X300	N/A		500
262	Story1	B124	Beam	3777.39	T300X300	N/A		500
263	Story1	B125	Beam	3777.39	T300X300	N/A		500
264	Story1	B126	Beam	3755	HE400A	HE400A		500
265	Story1	B127	Beam	3755	HE400A	HE400A		500
266	Story1	B128	Beam	3755	HE400A	HE400A		500
267	Story1	B129	Beam	3755	HE400A	HE400A		500
268	Story1	B130	Beam	3755	HE400A	HE400A		500
269	Story1	B131	Beam	3755	HE400A	HE400A		500
270	Story1	B132	Beam	3755	HE400A	HE400A		500
271	Story1	B133	Beam	3755	HE400A	HE400A		500
272	Story1	B134	Beam	3755	HE400A	HE400A		500
273	Story1	B135	Beam	3755	HE400A	HE400A		500
274	Story1	B136	Beam	3755	HE400A	HE400A		500
275	Story1	B137	Beam	3755	HE400A	HE400A		500
276	Story1	B138	Beam	3755	HE400A	HE400A		500
277	Story1	B139	Beam	3755	HE400A	HE400A		500
278	Story1	B140	Beam	3755	HE400A	HE400A		500
279	Story1	B141	Beam	3755	HE400A	HE400A		500
280	Story1	B142	Beam	3755	HE400A	HE400A		500
281	Story1	B143	Beam	3755	HE400A	HE400A		500
282	Story1	B144	Beam	3755	HE400A	HE400A		500
283	Story1	B145	Beam	3755	HE400A	HE400A		500
284	Story1	B146	Beam	3755	HE400A	HE400A		500
285	Story1	B147	Beam	3755	HE400A	HE400A		500
286	Story1	B148	Beam	3755	HE400A	HE400A		500
287	Story1	B149	Beam	3755	HE400A	HE400A		500
302	Story1	B164	Beam	3253.17	TUBO200X200X12.5	TUBO200X200X12.5		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
303	Story1	B165	Beam	2536.71	TUBO200X200X12.5	TUBO200X200X12.5		500
304	Story1	B166	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
305	Story1	B167	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
306	Story1	B168	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
307	Story1	B169	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
308	Story1	B170	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
309	Story1	B171	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
310	Story1	B172	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
311	Story1	B173	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
312	Story1	B174	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
313	Story1	B175	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
314	Story1	B176	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
315	Story1	B177	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
316	Story1	B178	Beam	5400	HE600A	HE600A		500
317	Story1	B179	Beam	5400	HE600A	HE600A		500
322	Story1	B184	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
323	Story1	B185	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
324	Story1	B186	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
325	Story1	B187	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
326	Story1	B188	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
327	Story1	B189	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
328	Story1	B190	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
329	Story1	B191	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
330	Story1	B192	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
331	Story1	B193	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
332	Story1	B194	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
333	Story1	B195	Beam	6577.24	SHS100X100X8	SHS100X100X8		500
350	Story1	B209	Beam	5400	B250X500	B250X500		500
554	Story1	B210	Beam	15553.46	B300X750	B300X750		500
552	Story1	B211	Beam	14962.92	B300X750	B300X750		500
376	Story1	B213	Beam	2475	B1400X250	B1400X250		500
377	Story1	B214	Beam	5400	B300X500	B300X500		500
379	Story1	B215	Beam	5400	B300X500	B300X500		500
381	Story1	B216	Beam	5400	B300X500	B300X500		500
383	Story1	B217	Beam	5400	B300X500	B300X500		500
385	Story1	B218	Beam	5400	B300X500	B300X500		500
387	Story1	B219	Beam	5400	B300X500	B300X500		500
389	Story1	B220	Beam	5400	B300X500	B300X500		500
391	Story1	B221	Beam	5400	B300X500	B300X500		500
521	Story1	B222	Beam	5400	B300X500	B300X500		500
523	Story1	B223	Beam	5400	B300X500	B300X500		500
525	Story1	B224	Beam	5400	B300X500	B300X500		500
527	Story1	B225	Beam	5400	B300X500	B300X500		500
529	Story1	B226	Beam	5400	B300X500	B300X500		500
531	Story1	B227	Beam	5400	B300X500	B300X500		500
533	Story1	B228	Beam	5400	B300X500	B300X500		500
535	Story1	B229	Beam	5400	B300X500	B300X500		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
537	Story1	B284	Beam	5400	B300X500	B300X500		500
539	Story1	B285	Beam	5400	B300X500	B300X500		500
541	Story1	B286	Beam	5400	B300X500	B300X500		500
543	Story1	B287	Beam	5400	B300X500	B300X500		500
545	Story1	B288	Beam	5400	B300X500	B300X500		500
588	Story1	B312	Beam	5400	B300X500	B300X500		500
661	Story1	B352	Beam	4968.22	SHS100X100X8	SHS100X100X8		500
662	Story1	B353	Beam	4968.22	SHS100X100X8	SHS100X100X8		500
663	Story1	B354	Beam	4172.92	SHS100X100X8	SHS100X100X8		500
664	Story1	B355	Beam	4550.95	SHS100X100X8	SHS100X100X8		500
665	Story1	B356	Beam	4550.95	SHS100X100X8	SHS100X100X8		500
666	Story1	B357	Beam	4142.73	SHS100X100X8	SHS100X100X8		500
24	Story1	B59	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
30	Story1	B61	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
34	Story1	B99	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
59	Story1	B105	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
60	Story1	B106	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
61	Story1	B109	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
62	Story1	B110	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
63	Story1	B150	Beam	2571.21	TUBO200X200X12.5	TUBO200X200X12.5		500
64	Story1	B151	Beam	2160.56	TUBO200X200X12.5	TUBO200X200X12.5		500
65	Story1	B152	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
66	Story1	B154	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
70	Story1	B155	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
71	Story1	B156	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
73	Story1	B157	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
74	Story1	B158	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
76	Story1	B160	Beam	5400	TUBO200X200X12.5	TUBO200X200X12.5		500
85	Story1	B163	Beam	4929.21	T300X300	N/A		500
89	Story1	B180	Beam	502.98	T300X300	N/A		500
102	Story1	B181	Beam	4988.4	T300X300	N/A		500
103	Story1	B182	Beam	509.02	T300X300	N/A		500
118	Story1	B183	Beam	4900	T300X300	N/A		500
119	Story1	B196	Beam	500	T300X300	N/A		500
124	Story1	B199	Beam	4900	T300X300	N/A		500
155	Story1	B201	Beam	500	T300X300	N/A		500
167	Story1	B203	Beam	4900	T300X300	N/A		500
203	Story1	B205	Beam	500	T300X300	N/A		500
212	Story1	B207	Beam	4900	T300X300	N/A		500
214	Story1	B244	Beam	500	T300X300	N/A		500
216	Story1	B245	Beam	4900	T300X300	N/A		500
232	Story1	B246	Beam	500	T300X300	N/A		500
233	Story1	B247	Beam	4900	T300X300	N/A		500
234	Story1	B248	Beam	500	T300X300	N/A		500
235	Story1	B249	Beam	4900	T300X300	N/A		500
236	Story1	B250	Beam	500	T300X300	N/A		500
237	Story1	B251	Beam	4900	T300X300	N/A		500

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
240	Story1	B252	Beam	500	T300X300	N/A		500
246	Story1	B254	Beam	4904.58	T150x300	N/A		500
249	Story1	B255	Beam	5400	T150x300	N/A		500
252	Story1	B256	Beam	5400	T150x300	N/A		500
255	Story1	B257	Beam	5400	T150x300	N/A		500
288	Story1	B258	Beam	5400	T150x300	N/A		500
289	Story1	B259	Beam	5400	T300X300	N/A		500
290	Story1	B260	Beam	5400	T150x300	N/A		500
292	Story1	B261	Beam	5400	T150x300	N/A		500
293	Story1	B262	Beam	3517.71	T150x300	N/A		500
189	Story1	B2	Beam	6400	T150x300	N/A		500
190	Story1	B3	Beam	6400	T150x300	N/A		500
191	Story1	B5	Beam	6400	T150x300	N/A		500
193	Story1	B13	Beam	6400	T150x300	N/A		500
449	Story1	B16	Beam	6400	T150x300	N/A		500
618	Story1	B21	Beam	6400	T150x300	N/A		500
619	Story1	B24	Beam	6400	T150x300	N/A		500
635	Story1	B30	Beam	6400	T150x300	N/A		500
916	Story1	B331	Beam	1810.73	B1200X250	B1200X250		500
917	Story1	B332	Beam	1810.73	B1200X250	B1200X250		500
918	Story1	B333	Beam	1810.73	B1200X250	B1200X250		500
970	Story1	B343	Beam	41586.47	C450X250	C450X250		500
10	Story1	C9	Column	3520	C400x400	C400x400		
12	Story1	C11	Column	3520	C1250X300	C1250X300		
14	Story1	C13	Column	3520	C950x300	C950x300		
15	Story1	C14	Column	3520	C550x400	C550x400		
18	Story1	C17	Column	3520	C1050x300	C1050x300	90	
20	Story1	C19	Column	3520	C1250X300	C1250X300		
22	Story1	C21	Column	3520	C900X300	C900X300		
23	Story1	C22	Column	3520	C400x400	C400x400		
27	Story1	C26	Column	3520	C700X250	C700X250		
31	Story1	C30	Column	3520	T300X300	N/A		
32	Story1	C31	Column	3520	T300X300	N/A		
33	Story1	C32	Column	3520	T300X300	N/A		
35	Story1	C34	Column	3520	T300X300	N/A		
36	Story1	C35	Column	3520	T300X300	N/A		
37	Story1	C36	Column	3520	T300X300	N/A		
50	Story1	C37	Column	3520	T300X300	N/A		
39	Story1	C38	Column	3520	T300X300	N/A		
40	Story1	C39	Column	3520	T300X300	N/A		
41	Story1	C40	Column	3520	T300X300	N/A		
42	Story1	C41	Column	3520	T300X300	N/A		
43	Story1	C42	Column	3520	T300X300	N/A		
44	Story1	C43	Column	3520	T300X300	N/A		
45	Story1	C44	Column	3520	T300X300	N/A		
46	Story1	C45	Column	3520	T300X300	N/A		
47	Story1	C46	Column	3520	C400x400	C400x400		

Table 3.2 - Frame Assignments - Summary (Part 1 of 2, continued)

UniqueName	Story	Label	Design Type	Length mm	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing mm
48	Story1	C47	Column	3520	C400x400	C400x400		
51	Story1	C49	Column	3520	T300X300	N/A		
52	Story1	C50	Column	3520	T300X300	N/A		
53	Story1	C51	Column	3520	T300X300	N/A		
54	Story1	C52	Column	3520	T300X300	N/A		
55	Story1	C53	Column	3520	T300X300	N/A		
56	Story1	C54	Column	3520	T300X300	N/A		
57	Story1	C55	Column	3520	T300X300	N/A		
58	Story1	C56	Column	3520	T300X300	N/A		
135	Story1	C58	Column	3520	T300X300	N/A		
130	Story1	C59	Column	3520	T300X300	N/A		
131	Story1	C67	Column	3520	T300X300	N/A		
132	Story1	C68	Column	3520	T300X300	N/A		
133	Story1	C69	Column	3520	T300X300	N/A		
134	Story1	C70	Column	3520	T300X300	N/A		
136	Story1	C71	Column	3520	C380x400	C380x400		
137	Story1	C72	Column	3520	C380X250	C380X250	90	
371	Story1	C60	Column	3520	C900X250	C900X250		
374	Story1	C73	Column	3520	C450X250	C450X250		
590	Story1	C75	Column	3520	T300X300	N/A		
648	Story1	C91	Column	3520	T300X300	N/A		
705	Story1	C2	Column	2325	C400x400	C400x400		
737	Story1	C61	Column	1195	C400x400	C400x400		
952	Story1	C124	Column	783.33	C380x900	C380x900	90	
953	Story1	C125	Column	783.33	C380x900	C380x900	90	
954	Story1	C126	Column	783.33	C380x900	C380x900	90	
955	Story1	C127	Column	390	C380x900	C380x900	90	
956	Story1	C128	Column	390	C380x900	C380x900	90	
957	Story1	C129	Column	390	C380x900	C380x900	90	
972	Story1	C130	Column	3520	C450X250	C450X250		
973	Story1	C131	Column	3520	C450X250	C450X250		
649	Story1	D1	Brace	6033.27	SHS100X100X8	SHS100X100X8		
650	Story1	D2	Brace	6033.27	SHS100X100X8	SHS100X100X8		
651	Story1	D3	Brace	6033.27	SHS100X100X8	SHS100X100X8		
652	Story1	D4	Brace	6033.27	SHS100X100X8	SHS100X100X8		
655	Story1	D7	Brace	5634.75	SHS100X100X8	SHS100X100X8		
656	Story1	D8	Brace	5634.75	SHS100X100X8	SHS100X100X8		
657	Story1	D9	Brace	5634.75	SHS100X100X8	SHS100X100X8		
658	Story1	D10	Brace	5634.75	SHS100X100X8	SHS100X100X8		
659	Story1	D11	Brace	5634.75	SHS100X100X8	SHS100X100X8		
660	Story1	D12	Brace	5634.75	SHS100X100X8	SHS100X100X8		

Table 3.2 - Frame Assignments - Summary (Part 2 of 2)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
77		Yes				
78		Yes				
81						
243						
299		Yes				
295		Yes				
296		Yes				
294		Yes				
746						
298		Yes				
300		Yes				
301		Yes				
318		Yes				
319		Yes				
320		Yes				
321		Yes				
335		Yes				
337		Yes				
338		Yes				
339		Yes				
340		Yes				
342		Yes				
646		Yes				
344		Yes				
365		Yes				
367		Yes				
369		Yes				
393		Yes				
394		Yes				
395		Yes				
401		Yes				
406						
407		Yes				
408		Yes				
409		Yes				
410		Yes				
411		Yes				
412		Yes				
413		Yes				
414		Yes				
415		Yes				
416		Yes				
417		Yes				
418		Yes				
419		Yes				
420		Yes				
421		Yes				
422		Yes				

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
423		Yes				
424		Yes				
425		Yes				
426		Yes				
427						
428						
429		Yes				
430		Yes				
431		Yes				
432		Yes				
686		Yes				
433		Yes				
434		Yes				
435						
436						
437		Yes				
438		Yes				
439		Yes				
440		Yes				
441		Yes				
442		Yes				
443						
692						
444						
445						
446						
447						
448						
450						
466						
451						
452						
453						
454						
467						
469						
474						
470						
471						
472						
473						
455						
456						
457						
458						
459						
460						
461						

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
462						
463						
464						
465						
644		Yes				
645		Yes				
672		Yes				
673		Yes				
674		Yes				
678		Yes				
680		Yes				
682		Yes				
684		Yes				
688		Yes				
690		Yes				
694						
696						
699						
700						
706						
708						
715						
717						
719		Yes				
721		Yes				
722						
728						
738						
740						
745						
749						
751						
753						
755						
757						
759						
468						
860		Yes				
827	3					
775	3					
777	3					
783	3					
787	3					
815	3					
761	3					
817	3					
765	3					
821	3					

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
402	3		Yes	PGD-2		
813	3					
763	3					
819	3					
767	3					
823	3					
825	3					
811	3					
807	3					
805	3					
801	3					
797	3					
773	3					
795	3					
832	3				Yes	
789	3					
791	3					
405	3		Yes	PGCD-1		
779	3					
781	3					
785	3					
793	3					
799	3					
809	3					
829	3					
831	3					
908	3			PGD-2		
910	3			PGC-1		
949	3					
950	3					
951	3					
928	3			PGC-1		
929	3			PGC-1		
930	3			PGC-1		
931	3		Yes			Yes
932	3		Yes			Yes
933	3		Yes			Yes
943	3					
944	3					
945	3					
713	3	Yes				Yes
720	3	Yes				Yes
725	3	Yes				Yes
731	3	Yes				Yes
733	3	Yes				Yes
735	3	Yes				Yes
846	3	Yes				Yes
848	3	Yes				Yes

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
850	3	Yes				Yes
852	3	Yes				Yes
854	3	Yes				Yes
856	3	Yes				Yes
870	3	Yes				Yes
872	3	Yes				Yes
874	3	Yes				Yes
876	3	Yes				Yes
158	3	Yes				Yes
548	3	Yes				Yes
676	3	Yes				Yes
702	3	Yes				Yes
835	3	Yes				Yes
837	3	Yes				Yes
475		Yes				
476		Yes				
477		Yes				
478		Yes				
483		Yes				
480		Yes				
481		Yes				
479		Yes				
747		Yes				
482		Yes				
484		Yes				
485						
486		Yes				
487		Yes				
488		Yes				
489		Yes				
490		Yes				
491		Yes				
492		Yes				
493		Yes				
494		Yes				
495		Yes				
671		Yes				
496		Yes				
497		Yes				
498		Yes				
499		Yes				
500		Yes				
501		Yes				
502		Yes				
503		Yes				
508						
509		Yes				
510		Yes				

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
511		Yes				
512		Yes				
513		Yes				
514		Yes				
515		Yes				
516		Yes				
517		Yes				
518		Yes				
519		Yes				
520		Yes				
551		Yes				
553		Yes				
589		Yes				
591		Yes				
592		Yes				
593		Yes				
594		Yes				
595		Yes				
899		Yes				
905		Yes				
596		Yes				
597		Yes				
598		Yes				
599		Yes				
859						
861						
600		Yes				
601		Yes				
687		Yes				
602		Yes				
603		Yes				
604		Yes				
605		Yes				
606		Yes				
607		Yes				
608		Yes				
609		Yes				
610		Yes				
611		Yes				
612						
693						
613						
614						
615						
616						
617						
620						
621						

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
622						
623						
636						
638						
643						
639						
640						
641						
642						
624						
625						
626						
627						
628						
629						
630						
631						
632						
633						
634						
647		Yes				
677		Yes				
681		Yes				
683		Yes				
685		Yes				
695						
697						
698						
701						
707						
709						
712						
714						
723						
729						
739						
742						
744						
748						
750						
752						
754						
756						
758						
710		Yes				
736		Yes				
838		Yes				
844		Yes				

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
865		Yes				
868		Yes				
90		Yes				
91		Yes				
92		Yes				
112		Yes				
549		Yes				
550		Yes				
637		Yes				
670		Yes				
703		Yes				
718		Yes				
802		Yes				
803		Yes				
689		Yes				
691		Yes				
842		Yes				
862		Yes				
863		Yes				
864		Yes				
877		Yes				
878		Yes				
885		Yes				
887		Yes				
890		Yes				
892		Yes				
894		Yes				
895		Yes				
896		Yes				
897		Yes				
898		Yes				
903		Yes				
904		Yes				
906		Yes				
911		Yes				
912		Yes				
913		Yes				
914		Yes				
826	3					
774	3					
776	3					
782	3					
786	3					
814	3					
760	3					
816	3					
764	3	Yes				
820	3					

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
504	3		Yes	PGD-2		
812	3					
762	3					
818	3					
766	3					
822	3					
824	3					
810	3					
806	3					
804	3					
800	3					
796	3					
772	3					
794	3					
833	3				Yes	
788	3					
790	3					
507	3		Yes	PGCD-1		
778	3					
780	3					
784	3					
792	3					
798	3					
808	3					
828	3					
830	3					
907	3			PGD-2		
909	3			PGC-1		
946	3					
947	3					
948	3					
934	3			PGC-1		
935	3			PGC-1		
936	3			PGC-1		
937	3		Yes			
938	3		Yes			
939	3		Yes			
940	3					
941	3					
942	3					
711	3	Yes				Yes
716	3	Yes				Yes
724	3	Yes				Yes
726	3	Yes				Yes
727	3	Yes				Yes
730	3	Yes				Yes
732	3	Yes				Yes
734	3	Yes				Yes

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
845	3	Yes				Yes
847	3	Yes				Yes
849	3	Yes				Yes
851	3	Yes				Yes
853	3	Yes				Yes
857	3	Yes				Yes
858	3	Yes				Yes
869	3	Yes				Yes
871	3	Yes				Yes
873	3	Yes				Yes
875	3	Yes				Yes
879	3	Yes				Yes
880	3	Yes				Yes
886	3	Yes				Yes
888	3	Yes				Yes
891	3	Yes				Yes
893	3	Yes				Yes
113	3	Yes				Yes
547	3	Yes				Yes
675	3	Yes				Yes
679	3	Yes				Yes
834	3	Yes				Yes
836	3	Yes				Yes
704	3	Yes				Yes
111						
187						
188						
347		Yes				
192						
667		Yes				
114						
115		Yes				
117						
121						
122		Yes				
125		Yes				
669		Yes				
126						
127		Yes				
129		Yes				
138		Yes				
668		Yes				
139		Yes				
140		Yes				
141						
142						
154		Yes				
147		Yes				

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
149		Yes				
143						
144		Yes				
145						
151						
152		Yes				
156						
157						
159		Yes				
160		Yes				
161		Yes				
162		Yes				
163		Yes				
164		Yes				
169		Yes				
170		Yes				
171		Yes				
172		Yes				
173		Yes				
174		Yes				
175		Yes				
176		Yes				
177		Yes				
178		Yes				
179		Yes				
180		Yes				
182		Yes				
183		Yes				
184		Yes				
185		Yes				
186		Yes				
351		Yes				
352		Yes				
353		Yes				
375						
378		Yes				
380		Yes				
382		Yes				
384		Yes				
386		Yes				
388		Yes				
390		Yes				
392		Yes				
522		Yes				
524		Yes				
526						
528		Yes				
530		Yes				

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
532		Yes				
534		Yes				
536		Yes				
538		Yes				
540		Yes				
542		Yes				
544		Yes				
546		Yes				
555						
556						
557						
558						
559		Yes				
560		Yes				
561						
562						
563		Yes				
564		Yes				
565		Yes				
566		Yes				
567		Yes				
568						
569						
570		Yes				
571		Yes				
572		Yes				
573		Yes				
574		Yes				
575		Yes				
1		Yes				
67						
72						
79						
80						
86						
87						
104						
105						
128						
153						
165						
166						
168						
208						
213						
215						
217						
218						

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
219						
220						
222						
223						
224						
225						
226						
227						
228						
229						
230						
231						
334						
336						
341						
343						
345						
366						
368						
370						
400						
396						
397						
398						
399						
2		Yes				
16						
238						
239						
241						
242						
244						
245						
247						
250						
251						
253						
254						
889		Yes				
256						
291						
248						
257						
297						
181						
221						
976		Yes				
94	3				Yes	

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
96	3		Yes	PGF-1	Yes	
355	3		Yes	PGD-2	Yes	
356	3			PGC-2	Yes	
101	3				Yes	
107	3		Yes	PGF-1	Yes	
357	3		Yes	PGD-1	Yes	
358	3				Yes	
110	3		Yes	PGF-1	Yes	
361	3				Yes	
364	3			PGA-1	Yes	
372	3		Yes	PGC-3	Yes	
373	3		Yes	PGCD-1	Yes	
97	3		Yes		Yes	
98	3		Yes		Yes	
99	3		Yes		Yes	
38	3		Yes		Yes	
5	3			PGI-4	Yes	
7	3			PGE-2	Yes	
9	3			PGI-4	Yes	
13	3			PGE-2	Yes	
21	3			PGE-1	Yes	
28	3			PGE-1	Yes	
82	3				Yes	
83	3				Yes	
741	3			PG1-3	Yes	
919	3	Yes		PG1-13	Yes	
920	3			PG1-13	Yes	
921	3	Yes		PG1-13	Yes	
922	3				Yes	
923	3				Yes	
924	3				Yes	
925	3	Yes		PGA-1	Yes	
926	3			PGA-1	Yes	
927	3	Yes		PGA-1	Yes	
116			Yes			
120			Yes			
123			Yes			
68		Yes				
69		Yes				
75		Yes				
146		Yes				
148		Yes				
84		Yes				
88		Yes				
150						
587		Yes				
586		Yes				
585		Yes				

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
584		Yes				
579		Yes				
578		Yes				
577		Yes				
576		Yes				
583		Yes				
582		Yes				
581		Yes				
580		Yes				
194			Yes			
195			Yes			
196			Yes			
197			Yes			
198			Yes			
199			Yes			
200			Yes			
201			Yes			
202			Yes			
204			Yes			
205			Yes			
206			Yes			
207			Yes			
209			Yes			
210			Yes			
211			Yes			
258			Yes			
259			Yes			
260			Yes			
261			Yes			
262			Yes			
263			Yes			
264		Yes	Yes			
265			Yes			
266		Yes	Yes			
267		Yes	Yes			
268			Yes			
269		Yes	Yes			
270		Yes	Yes			
271			Yes			
272		Yes	Yes			
273		Yes	Yes			
274			Yes			
275		Yes	Yes			
276		Yes	Yes			
277			Yes			
278		Yes	Yes			
279		Yes	Yes			
280			Yes			

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
281		Yes	Yes			
282		Yes	Yes			
283			Yes			
284		Yes	Yes			
285		Yes	Yes			
286			Yes			
287		Yes	Yes			
302		Yes	Yes			
303		Yes	Yes			
304		Yes	Yes			
305		Yes	Yes			
306		Yes	Yes			
307		Yes	Yes			
308		Yes	Yes			
309		Yes	Yes			
310		Yes	Yes			
311		Yes	Yes			
312		Yes	Yes			
313		Yes	Yes			
314		Yes	Yes			
315		Yes	Yes			
316			Yes			
317			Yes			
322		Yes	Yes			
323		Yes	Yes			
324		Yes	Yes			
325		Yes	Yes			
326		Yes	Yes			
327		Yes	Yes			
328		Yes	Yes			
329		Yes	Yes			
330		Yes	Yes			
331		Yes	Yes			
332		Yes	Yes			
333		Yes	Yes			
350		Yes				
554		Yes				
552		Yes				
376						
377		Yes				
379		Yes				
381		Yes				
383		Yes				
385		Yes				
387		Yes				
389		Yes				
391		Yes				
521		Yes				

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
523		Yes				
525		Yes				
527		Yes				
529		Yes				
531		Yes				
533		Yes				
535		Yes				
537		Yes				
539		Yes				
541		Yes				
543		Yes				
545		Yes				
588		Yes				
661		Yes	Yes			
662		Yes	Yes			
663		Yes	Yes			
664		Yes	Yes			
665		Yes	Yes			
666		Yes	Yes			
24						
30						
34						
59						
60						
61						
62						
63						
64						
65						
66						
70						
71						
73						
74						
76						
85		Yes	Yes			
89		Yes	Yes		Yes	
102			Yes			
103		Yes	Yes		Yes	
118		Yes	Yes			
119		Yes	Yes		Yes	
124		Yes	Yes			
155		Yes	Yes		Yes	
167		Yes	Yes			
203		Yes	Yes		Yes	
212		Yes	Yes			
214		Yes	Yes		Yes	
216		Yes	Yes			

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
232		Yes	Yes		Yes	
233		Yes	Yes			
234		Yes	Yes		Yes	
235		Yes	Yes			
236		Yes	Yes		Yes	
237		Yes	Yes			
240		Yes	Yes		Yes	
246						
249						
252						
255						
288						
289						
290						
292						
293						
189		Yes				
190		Yes				
191		Yes				
193		Yes				
449		Yes				
618		Yes				
619		Yes				
635		Yes				
916		Yes				
917		Yes				
918		Yes				
970		Yes				
10	3			PGH-2	Yes	
12	3		Yes	PGF-2	Yes	
14	3		Yes	PGD-3	Yes	
15	3			PGC-2	Yes	
18	3			PGH-1	Yes	
20	3		Yes	PGF-2	Yes	
22	3		Yes	PGD-1	Yes	
23	3				Yes	
27	3		Yes	PGF-2	Yes	
31	3		Yes			
32	3		Yes			
33	3		Yes			
35	3		Yes			
36	3		Yes			
37	3		Yes			
50	3		Yes			
39	3		Yes			
40	3		Yes			
41	3		Yes			
42	3		Yes			

Table 3.2 - Frame Assignments - Summary (Part 2 of 2, continued)

UniqueName	Min Number Stations	Releases	User Offsets	Pier	Modifiers	T/C Limits
43	3		Yes			
44	3		Yes			
45	3		Yes			
46	3		Yes			
47	3				Yes	
48	3				Yes	
51	3		Yes			
52	3		Yes			
53	3		Yes			
54	3		Yes			
55	3		Yes			
56	3		Yes			
57	3		Yes			
58	3		Yes			
135	3		Yes			
130	3		Yes			
131	3		Yes			
132	3		Yes			
133	3		Yes			
134	3		Yes			
136	3	Yes		PGA-4	Yes	
137	3			PGA-3	Yes	
371	3		Yes	PGC-3	Yes	
374	3		Yes	PGCD-1	Yes	
590	3		Yes			
648	3		Yes			
705	3			PG1-1	Yes	
737	3			PG1-3	Yes	
952	3	Yes		PG1-12	Yes	
953	3			PG1-12	Yes	
954	3			PG1-12	Yes	
955	3			PG1-13	Yes	
956	3			PG1-13	Yes	
957	3	Yes		PG1-13	Yes	
972	3	Yes				
973	3	Yes				
649	3	Yes	Yes			Yes
650	3	Yes	Yes			Yes
651	3	Yes	Yes			Yes
652	3	Yes	Yes			Yes
655	3	Yes	Yes			Yes
656	3	Yes	Yes			Yes
657	3	Yes	Yes			Yes
658	3	Yes	Yes			Yes
659	3	Yes	Yes			Yes
660	3	Yes	Yes			Yes

Table 3.3 - Frame Assignments - Tension and Compression Limits

Story	Label	UniqueName	Include Tension Limit	Include Compression Limit	Compression Limit kN
Story4	C118	931	No	Yes	0
Story4	C119	932	No	Yes	0
Story4	C120	933	No	Yes	0
Story4	D20	713	No	Yes	0
Story4	D22	720	No	Yes	0
Story4	D24	725	No	Yes	0
Story4	D28	731	No	Yes	0
Story4	D30	733	No	Yes	0
Story4	D32	735	No	Yes	0
Story4	D40	846	No	Yes	0
Story4	D42	848	No	Yes	0
Story4	D44	850	No	Yes	0
Story4	D46	852	No	Yes	0
Story4	D48	854	No	Yes	0
Story4	D50	856	No	Yes	0
Story4	D58	870	No	Yes	0
Story4	D60	872	No	Yes	0
Story4	D62	874	No	Yes	0
Story4	D64	876	No	Yes	0
Story4	D14	158	No	Yes	0
Story4	D16	548	No	Yes	0
Story4	D18	676	No	Yes	0
Story4	D34	702	No	Yes	0
Story4	D36	835	No	Yes	0
Story4	D38	837	No	Yes	0
Story3	D19	711	No	Yes	0
Story3	D21	716	No	Yes	0
Story3	D23	724	No	Yes	0
Story3	D25	726	No	Yes	0
Story3	D26	727	No	Yes	0
Story3	D27	730	No	Yes	0
Story3	D29	732	No	Yes	0
Story3	D31	734	No	Yes	0
Story3	D39	845	No	Yes	0
Story3	D41	847	No	Yes	0
Story3	D43	849	No	Yes	0
Story3	D45	851	No	Yes	0
Story3	D47	853	No	Yes	0
Story3	D51	857	No	Yes	0
Story3	D52	858	No	Yes	0
Story3	D57	869	No	Yes	0
Story3	D59	871	No	Yes	0
Story3	D61	873	No	Yes	0
Story3	D63	875	No	Yes	0
Story3	D67	879	No	Yes	0
Story3	D68	880	No	Yes	0
Story3	D72	886	No	Yes	0
Story3	D74	888	No	Yes	0

Table 3.3 - Frame Assignments - Tension and Compression Limits (continued)

Story	Label	UniqueName	Include Tension Limit	Include Compression Limit	Compression Limit kN
Story3	D76	891	No	Yes	0
Story3	D78	893	No	Yes	0
Story3	D13	113	No	Yes	0
Story3	D15	547	No	Yes	0
Story3	D17	675	No	Yes	0
Story3	D33	679	No	Yes	0
Story3	D35	834	No	Yes	0
Story3	D37	836	No	Yes	0
Story3	D53	704	No	Yes	0
Story1	D1	649	No	Yes	0
Story1	D2	650	No	Yes	0
Story1	D3	651	No	Yes	0
Story1	D4	652	No	Yes	0
Story1	D7	655	No	Yes	0
Story1	D8	656	No	Yes	0
Story1	D9	657	No	Yes	0
Story1	D10	658	No	Yes	0
Story1	D11	659	No	Yes	0
Story1	D12	660	No	Yes	0

3.3 Shell Assignments

Table 3.4 - Area Assignments - Summary

Story	Label	UniqueName	Section Property	Property Type	Diaphragm	Axis Angle deg	Pier	Spandrel	Spandrel Story	Modifiers
Story4	F10	116	S200	Slab	D1					
Story4	F12	76	T-70x200-600	Slab	D1					
Story4	F17	75	T-70x200-600	Slab	D1					
Story4	F3	88	S110	Slab	D1					
Story4	F26	100	T-70x200-600	Slab	D1					
Story4	F27	101	T-70x200-600	Slab	D1					
Story4	F28	105	T-70x200-600	Slab	D1					
Story4	F30	110	T-70x200-600	Slab	D1					
Story4	F31	112	T-70x200-600	Slab	D1					
Story4	F32	115	T-70x200-600	Slab	D1					
Story4	F1	73	T-70x200-600	Slab	D1					
Story4	W30	58	W250	Wall			PGD-2			
Story4	W43	68	W250	Wall			PGCD-1			Yes
Story4	W45	69	W250	Wall			PGC-1			
Story4	W46	70	W250	Wall			PGC-1			
Story3	F10	117	S200	Slab	D1					
Story3	F12	85	T-70x200-600	Slab	D1					
Story3	F17	84	T-70x200-600	Slab	D1					
Story3	F3	90	S110	Slab	D1					
Story3	F26	103	T-70x200-600	Slab	D1					
Story3	F27	104	T-70x200-600	Slab	D1					
Story3	F28	107	T-70x200-600	Slab	D1					
Story3	F32	114	T-70x200-600	Slab	D1					

Table 3.4 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Diaphragm	Axis Angle deg	Pier	Spandrel	Spandrel Story	Modifiers
Story3	F33	109	T-70x200-600	Slab	D1					
Story3	F34	111	T-70x200-600	Slab	D1					
Story3	W30	78	W250	Wall			PGD-2			
Story3	W43	79	W250	Wall			PGCD-1			Yes
Story3	W45	80	W250	Wall			PGC-1			
Story3	W46	81	W250	Wall			PGC-1			
Story2	F10	56	S200	Slab	D1					
Story2	F11	55	S110	Slab	D1					
Story2	F12	17	T-70x200-600	Slab	D1					
Story2	F13	18	T-70x200-600	Slab	D1					
Story2	F14	57	T-70x200-600	Slab	D1					
Story2	F15	8	T-70x200-600	Slab	D1					
Story2	F17	16	T-70x200-600	Slab	D1					
Story2	F18	9	T-70x200-600	Slab	D1					
Story2	W3	28	W250	Wall			PGF-1			
Story2	W5	30	W300	Wall			PGI-4			Yes
Story2	W10	33	W300	Wall			PGG-2			
Story2	W27	35	W300	Wall			PGG-1			
Story2	W28	66	W300	Wall			PGE-1			Yes
Story2	W29	67	W300	Wall			PGE-2			Yes
Story2	W30	37	W250	Wall			PGD-2			
Story2	W34	45	W250	Wall			PGD-1			
Story2	W36	49	W250	Wall			PG4-10			
Story2	W37	51	W250	Wall			PGA-1			
Story2	W43	59	W250	Wall			PGCD-1			Yes
Story2	W46	63	W250	Wall			PGC-3			
Story2	W59	126	W250	Wall			PG1-4			
Story2	W60	127	W250	Wall			PG1-4			
Story2	W62	129	W250	Wall			PG1-4			Yes
Story2	W64	131	W250	Wall			PG1-4			
Story2	W65	132	W250	Wall			PG1-4			
Story2	W69	136	W250	Wall			PG4-1			Yes
Story2	W70	137	W250	Wall			PG4-1			
Story2	W73	140	W250	Wall			PG4-1			
Story2	W77	144	W250	Wall			PG4-1	S4-1	Story1	Yes
Story2	W78	145	W250	Wall			PG4-1			
Story2	W79	146	W300	Wall			PGI-1			
Story2	W80	147	W300	Wall			PGI-1	SI-1	Story2	Yes
Story2	W81	148	W300	Wall			PGI-1			
Story2	W82	149	W300	Wall			PGI-3			
Story2	W83	150	W300	Wall			PGI-2			
Story2	W84	151	W300	Wall			PGI-1			
Story2	W85	152	W300	Wall			PGI-1			
Story2	W86	153	W300	Wall			PGI-1			
Story2	W87	155	W250	Wall			PGC-3			
Story2	W88	157	W250	Wall			PGC-1			
Story2	W89	158	W250	Wall			PGC-2			
Story2	W90	160	W250	Wall			PGC-3			

Table 3.4 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Diaphragm	Axis Angle deg	Pier	Spandrel	Spandrel Story	Modifiers
Story2	W91	161	W250	Wall			PGC-2			
Story2	W16	36	W250	Wall			PG1-11			
Story2	W41	83	W250	Wall			PG1-11			Yes
Story2	W42	86	W250	Wall			PG1-11			Yes
Story2	W149	92	W250	Wall			PG1-11			
Story2	W150	93	W250	Wall			PG1-11			
Story2	W151	94	W350	Wall			PG1-1			Yes
Story2	W152	95	W350	Wall			PG1-1	S1-1	Story2	Yes
Story2	W153	96	W350	Wall			PG1-1			Yes
Story2	W167	176	W250	Wall			PG1-4			
Story2	W181	231	W250	Wall			PG1-4			
Story2	W182	234	W250	Wall			PG1-4			
Story2	W193	245	W250	Wall			PG4-10			
Story2	W194	246	W250	Wall			PG4-10	S4-4	Story2	Yes
Story2	W195	247	W250	Wall			PG4-10			
Story2	W202	254	W250	Wall			PG4-1			
Story2	W203	255	W250	Wall			PG4-1			
Story2	W204	256	W250	Wall			PG4-1			
Story2	W205	257	W250	Wall			PG4-1			
Story2	W206	258	W250	Wall			PG4-1			
Story2	W207	259	W250	Wall			PG4-1			
Story2	W208	260	W250	Wall			PG4-1			
Story2	W211	263	W250	Wall			PG4-1			
Story2	W214	266	W250	Wall			PG4-1			
Story2	W4	113	W350	Wall			PG1-1			Yes
Story2	W57	207	W250	Wall			PG1-4			
Story2	W107	91	W250	Wall			PG1-11	S1-5	Story2	Yes
Story2	W109	130	W250	Wall			PG1-11			
Story2	W110	135	W350	Wall			PG1-4			
Story2	W200	31	W250	Wall			PG1-4			
Story2	W201	74	W250	Wall			PG1-4			Yes
Story2	W233	118	W250	Wall			PG1-4			Yes
Story2	W234	120	W250	Wall			PG1-4			Yes
Story2	W235	121	W250	Wall			PG1-4			
Story2	W236	122	W250	Wall			PG1-4			
Story2	W237	125	W250	Wall			PG1-4			
Story2	W238	167	W250	Wall			PG1-4			
Story2	W239	171	W250	Wall			PG1-4			
Story2	W240	216	W250	Wall			PG1-4			
Story2	W241	226	W250	Wall			PG1-4			
Story2	W242	235	W250	Wall			PG1-4			
Story2	W243	236	W250	Wall			PG1-4			
Story2	W244	237	W250	Wall			PG1-4			
Story2	W245	238	W250	Wall			PG1-4			
Story2	W246	139	W350	Wall			PG1-4			
Story2	W247	143	W350	Wall			PG1-4			
Story2	W248	169	W250	Wall			PG1-4			
Story2	W249	170	W250	Wall			PG1-4			

Table 3.4 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Diaphragm	Axis Angle deg	Pier	Spandrel	Spandrel Story	Modifiers
Story2	W250	172	W250	Wall			PG1-4			
Story2	W270	186	W250	Wall			PG1-4			
Story2	W271	188	W250	Wall			PG1-4			
Story2	W272	202	W250	Wall			PG1-4			
Story2	W273	204	W250	Wall			PG1-4	S1-3	Story2	
Story2	W280	252	W250	Wall			PG4-1			
Story2	W282	285	W250	Wall				S4-0	Story1	
Story2	W283	286	W250	Wall				S4-0	Story2	
Story2	W286	291	W250	Wall			PG4-1			
Story2	W287	290	W250	Wall			PG4-1			
Story2	W288	292	W250	Wall			PG4-1			
Story2	W290	295	W250	Wall			PG4-7			
Story2	W294	300	W250	Wall			PG4-10			
Story2	W296	303	W250	Wall			PG4-10			
Story2	W297	304	W250	Wall			PG4-10	S4-5	Story2	
Story2	W1	2	W300	Wall			PGG-1			
Story2	W2	6	W300	Wall			PGG-1			
Story2	W6	12	W300	Wall			PGG-1			
Story2	W8	13	W300	Wall			PGG-1			
Story2	W9	14	W300	Wall			PGG-1			
Story2	W21	47	SPSW	Wall						Yes
Story1	F4	40	S140	Slab	D2					
Story1	F5	41	S140	Slab	D2					
Story1	F6	42	S140	Slab	D2					
Story1	F7	43	S140	Slab	D2					
Story1	F8	52	S140	Slab	D2					
Story1	F9	53	S140	Slab	D3					
Story1	F10	54	S200	Slab	D3					
Story1	F19	72	T-70x200-600	Slab	D4	90				
Story1	F20	60	T-70x200-600	Slab	D4					
Story1	F22	71	T-70x200-600	Slab	D4					
Story1	F2	11	T-70x200-600	Slab	D4					
Story1	W5	5	W300	Wall			PGI-4			Yes
Story1	W7	7	W300	Wall			PGI-1			
Story1	W10	10	W300	Wall			PGG-2			
Story1	W24	20	W300	Wall			PGH-1			
Story1	W25	21	W300	Wall			PGH-1			
Story1	W26	22	W300	Wall			PGG-1			
Story1	W27	23	W300	Wall			PGG-1			
Story1	W28	24	W300	Wall			PGE-1			Yes
Story1	W29	25	W300	Wall			PGE-2			Yes
Story1	W34	44	W250	Wall			PGD-1			
Story1	W43	1	W250	Wall			PGCD-1			
Story1	W46	65	W250	Wall			PGC-3			
Story1	W92	162	W350	Wall			PG1-1			Yes
Story1	W93	163	W350	Wall			PG1-1	S1-1	Story1	Yes
Story1	W94	164	W350	Wall			PG1-1			Yes
Story1	W95	165	W350	Wall			PG1-1			Yes

Table 3.4 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Diaphragm	Axis Angle deg	Pier	Spandrel	Spandrel Story	Modifiers
Story1	W96	166	W350	Wall			PG1-1			Yes
Story1	W102	173	W250	Wall			PGF-1			
Story1	W103	175	W250	Wall			PGF-1			
Story1	W104	177	W250	Wall			PGF-1			
Story1	W105	178	W250	Wall			PGF-2			
Story1	W106	179	W250	Wall			PGF-3			
Story1	W115	189	W250	Wall			PGD-2			Yes
Story1	W116	191	W250	Wall			PGD-2			
Story1	W117	192	W250	Wall			PGD-2			
Story1	W118	194	W250	Wall			PGD-2			Yes
Story1	W119	195	W250	Wall			PGD-2			
Story1	W120	196	W250	Wall			PG1-11			
Story1	W123	200	W250	Wall			PG1-11			
Story1	W125	203	W250	Wall			PG4-10			
Story1	W126	205	W250	Wall			PG4-10	S4-4	Story1	Yes
Story1	W127	206	W250	Wall			PG4-10			
Story1	W128	208	W250	Wall			PG4-9			
Story1	W130	211	W250	Wall			PGA-1			
Story1	W131	212	W250	Wall			PGA-1			
Story1	W132	213	W250	Wall			PGA-1			
Story1	W133	214	W250	Wall			PGA-1			
Story1	W134	215	W250	Wall			PGA-1			
Story1	W135	217	W250	Wall			PGA-4			
Story1	W136	218	W250	Wall			PGA-3			
Story1	W137	219	W250	Wall			PGA-2			
Story1	W138	221	W250	Wall			PGA-1			
Story1	W139	222	W250	Wall			PGA-1			
Story1	W140	223	W250	Wall			PGA-1			
Story1	W141	224	W250	Wall			PGA-1			
Story1	W142	225	W250	Wall			PGA-1			
Story1	W143	227	W250	Wall			PGC-3			
Story1	W144	229	W250	Wall				SC-1	Story1	Yes
Story1	W145	230	W250	Wall			PGC-2			
Story1	W146	232	W250	Wall			PGC-3			
Story1	W147	233	W250	Wall			PGC-2			
Story1	W18	39	W250	Wall			PG1-11			
Story1	W32	50	W250	Wall			PG1-11			
Story1	W33	62	W250	Wall			PG1-11			Yes
Story1	W38	64	W250	Wall			PG1-11			Yes
Story1	W39	77	W250	Wall			PG1-11			Yes
Story1	W40	82	W250	Wall			PG1-11			Yes
Story1	W155	98	W250	Wall			PG1-4			
Story1	W156	99	W250	Wall			PG1-4			
Story1	W158	106	W250	Wall			PG1-4			
Story1	W159	108	W250	Wall			PG1-4			
Story1	W161	156	W250	Wall			PG1-4			
Story1	W169	190	W250	Wall			PG1-4			
Story1	W170	193	W250	Wall			PG1-4			

Table 3.4 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Diaphragm	Axis Angle deg	Pier	Spandrel	Spandrel Story	Modifiers
Story1	W171	198	W250	Wall			PG1-4			Yes
Story1	W187	239	W250	Wall			PG1-4			
Story1	W188	240	W250	Wall			PG1-4			
Story1	W189	241	W250	Wall			PG1-4			
Story1	W190	242	W250	Wall			PG1-4			
Story1	W191	243	W250	Wall			PG1-4			
Story1	W192	244	W250	Wall			PG1-4			
Story1	W217	269	W250	Wall			PG4-1	S4-1	Story1	Yes
Story1	W218	270	W250	Wall			PG4-1			
Story1	W219	271	W250	Wall			PG4-1			
Story1	W220	272	W250	Wall			PG4-1			
Story1	W221	273	W250	Wall			PG4-1			
Story1	W222	274	W250	Wall			PG4-1			
Story1	W223	275	W250	Wall			PG4-1			
Story1	W224	276	W250	Wall			PG4-1			
Story1	W225	277	W250	Wall			PG4-1			
Story1	W226	278	W250	Wall			PG4-1			
Story1	W56	199	W250	Wall			PG1-4			
Story1	W97	197	W250	Wall			PG1-11	S1-5	Story2	Yes
Story1	W98	4	W250	Wall			PG1-11			
Story1	W99	29	W250	Wall			PG1-11			
Story1	W113	159	W350	Wall			PG1-4			
Story1	W114	168	W350	Wall			PG1-4			
Story1	W266	182	W250	Wall			PG1-4			
Story1	W267	183	W250	Wall			PG1-4			
Story1	W268	184	W250	Wall			PG1-4			
Story1	W269	185	W250	Wall			PG1-4			
Story1	W278	250	W250	Wall			PG4-1			
Story1	W279	251	W250	Wall			PG4-1			
Story1	W298	305	W250	Wall			PG4-9			
Story1	W299	306	W250	Wall			PG4-10			
Story1	W300	307	W250	Wall			PG4-10	S4-5	Story1	
Story1	W301	308	W250	Wall						
Story1	W302	309	W250	Wall			PG4-10			
Story1	W303	310	W250	Wall			PG4-11			
Story1	W304	311	W250	Wall			PG4-10			
Story1	W11	15	W250	Wall			PG4-7			
Story1	W12	19	W250	Wall			PG4-7			
Story1	W13	26	W250	Wall			PG4-7			
Story1	W14	27	W250	Wall			PG4-7			
Story1	W15	32	W250	Wall			PG4-7			
Story1	W17	3	W350	Wall			PG1-1			Yes
Story1	W19	34	W350	Wall			PG1-1			Yes
Story1	W20	46	W250	Wall			PG4-8			
Story1	W22	48	W250	Wall			PG4-8			
Story1	A1	38	None	Opening						
Story1	A2	210	None	Opening						

4 Loads

This chapter provides loading information as applied to the model.

4.1 Functions

4.1.1 Response Spectrum Functions

Table 4.1 - Functions - Response Spectrum - Eurocode8-2004 (Part 1 of 2)

Name	Period sec	Value	Country	Direction	Ag	Spectrum Type	Ground Type	S	Tb sec	Tc sec	Td sec
EC8	0	0.24	CEN Default	Horizontal	0.3	1	B	1.2	0.15	0.5	2
EC8	0.05	0.285									
EC8	0.1	0.33									
EC8	0.15	0.375									
EC8	0.5	0.375									
EC8	0.75	0.25									
EC8	1	0.1875									
EC8	1.25	0.15									
EC8	1.5	0.125									
EC8	1.75	0.107143									
EC8	2	0.09375									
EC8	3.333	0.06									
EC8	4.667	0.06									
EC8	6	0.06									
EC8	7.333	0.06									
EC8	8.667	0.06									
EC8	10	0.06									

Table 4.1 - Functions - Response Spectrum - Eurocode8-2004 (Part 2 of 2)

Name	Beta	q	Damping Ratio
EC8	0.2	2.4	0.05
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			
EC8			

4.2 Load Cases

Table 4.2 - Load Case Definitions - Summary

Name	Type
Dead	Linear Static
DeadLoad	Nonlinear Static
LiveLoad	Nonlinear Static
EQxPos	Nonlinear Static
EQyPos	Nonlinear Static
EQxNeg	Nonlinear Static
EQyNeg	Nonlinear Static
LiveLoadGravityComb	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
GEO_{Eqn}	Nonlinear Static
Live	Linear Static
Modal	Modal - Ritz
EQ	Linear Static
RSA	Response Spectrum
SDL	Linear Static
LiveE	Linear Static
LiveH	Linear Static
Buckling	Buckling
NxDL	Linear Static
NxSDL	Linear Static
NyDL	Linear Static
NySDL	Linear Static
Buckling-1	Buckling
EQx+e	Linear Static
EQx-e	Linear Static
EQy+e	Linear Static
EQy-e	Linear Static
EQy0e	Linear Static
EQx0e	Linear Static

4.3 Load Combinations

Table 4.3 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
DCmpC1	Linear Add	Yes	Dead	1.4	Dead [Construction]
DCmpC1			SDL	1.4	
DCmpC2	Linear Add	Yes	Dead	1.2	Dead + Construction Live [Construction]
DCmpC2			SDL	1.2	
DCmpD1	Linear Add	Yes	Dead	1	Dead [Deflections]
DCmpD1			SDL	1	
DCmpD2	Linear Add	Yes	Dead	1	Dead + Live [Deflections]
DCmpD2			Live	1	
DCmpD2			SDL	1	
DCmpD2			LiveE	1	
DCmpD2			LiveH	1	
DCmpS1	Linear Add	Yes	Dead	1.4	Dead [Strength]
DCmpS1			SDL	1.4	
DCmpS2	Linear Add	Yes	Dead	1.2	Dead + Live [Strength]
DCmpS2			Live	1.6	
DCmpS2			SDL	1.2	
DCmpS2			LiveE	1.6	
DCmpS2			LiveH	1.6	
DConS1	Linear Add	Yes	Dead	1.35	Dead [Strength]
DConS1			SDL	1.35	
DConS2	Linear Add	Yes	Dead	1.35	Dead + Live [Strength]
DConS2			Live	1.5	
DConS2			SDL	1.35	
DConS2			LiveE	1.5	
DConS2			LiveH	1.5	
DConS3	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DConS3			Live	0.3	
DConS3			SDL	1	
DConS3			LiveE	0.3	
DConS3			LiveH	0.3	
DConS3			EQ	1	
DConS4	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DConS4			Live	0.3	
DConS4			SDL	1	
DConS4			LiveE	0.3	
DConS4			LiveH	0.3	
DConS4			EQ	-1	
DConS5	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DConS5			SDL	1	
DConS5			EQ	1	
DConS6	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DConS6			SDL	1	
DConS6			EQ	-1	
DConS7	Linear Add	Yes	Dead	1	Dead + Live + Response Spectrum [Strength]
DConS7			Live	0.3	
DConS7			SDL	1	
DConS7			LiveE	0.3	
DConS7			LiveH	0.3	
DConS7			RSA	1	
DConS8	Linear Add	Yes	Dead	1	Dead + Response Spectrum [Strength]

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DConS8			SDL	1	
DConS8			RSA	1	
DConS9	Linear Add	Yes	Dead	1	Dead (min) + Response Spectrum [Strength]
DConS9			SDL	1	
DConS9			RSA	1	
DStlD1	Linear Add	Yes	Dead	1	Dead [Deflections]
DStlD1			SDL	1	
DStlD2	Linear Add	Yes	Dead	1	Dead + Live [Deflections]
DStlD2			Live	1	
DStlD2			SDL	1	
DStlD2			LiveE	1	
DStlD2			LiveH	1	
DStlS1	Linear Add	Yes	Dead	1.35	Dead [Strength]
DStlS1			SDL	1.35	
DStlS2	Linear Add	Yes	Dead	1.35	Dead + Live [Strength]
DStlS2			Live	1.5	
DStlS2			SDL	1.35	
DStlS2			LiveE	1.5	
DStlS2			LiveH	1.5	
DStlS3	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS3			Live	0.3	
DStlS3			SDL	1	
DStlS3			LiveE	0.3	
DStlS3			LiveH	0.3	
DStlS3			EQ	1	
DStlS4	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS4			Live	0.3	
DStlS4			SDL	1	
DStlS4			LiveE	0.3	
DStlS4			LiveH	0.3	
DStlS4			EQ	-1	
DStlS5	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS5			SDL	1	
DStlS5			EQ	1	
DStlS6	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS6			SDL	1	
DStlS6			EQ	-1	
DStlS7	Linear Add	Yes	Dead	1	Dead + Live + Response Spectrum [Strength]
DStlS7			Live	0.3	
DStlS7			SDL	1	
DStlS7			LiveE	0.3	
DStlS7			LiveH	0.3	
DStlS7			RSA	1	
DStlS8	Linear Add	Yes	Dead	1	Dead + Response Spectrum [Strength]
DStlS8			SDL	1	
DStlS8			RSA	1	
DStlS9	Linear Add	Yes	Dead	1	Dead (min) + Response Spectrum [Strength]
DStlS9			SDL	1	
DStlS9			RSA	1	
DStlS10	Linear Add	Yes	Dead	1.35	Dead [Strength]

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DStlS10			SDL	1.35	
DStlS11	Linear Add	Yes	Dead	1.35	Dead + Live [Strength]
DStlS11			Live	1.5	
DStlS11			SDL	1.35	
DStlS11			LiveE	1.5	
DStlS11			LiveH	1.5	
DStlS12	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS12			Live	0.3	
DStlS12			SDL	1	
DStlS12			LiveE	0.3	
DStlS12			LiveH	0.3	
DStlS12			EQ	1	
DStlS13	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS13			Live	0.3	
DStlS13			SDL	1	
DStlS13			LiveE	0.3	
DStlS13			LiveH	0.3	
DStlS13			EQ	-1	
DStlS14	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS14			SDL	1	
DStlS14			EQ	1	
DStlS15	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS15			SDL	1	
DStlS15			EQ	-1	
DStlS16	Linear Add	Yes	Dead	1	Dead + Live + Response Spectrum [Strength]
DStlS16			Live	0.3	
DStlS16			SDL	1	
DStlS16			LiveE	0.3	
DStlS16			LiveH	0.3	
DStlS16			RSA	1	
DStlS17	Linear Add	Yes	Dead	1	Dead + Response Spectrum [Strength]
DStlS17			SDL	1	
DStlS17			RSA	1	
DStlS18	Linear Add	Yes	Dead	1	Dead (min) + Response Spectrum [Strength]
DStlS18			SDL	1	
DStlS18			RSA	1	
DStlS19	Linear Add	Yes	Dead	1.35	Dead [Strength]
DStlS19			SDL	1.35	
DStlS20	Linear Add	Yes	Dead	1.35	Dead + Live [Strength]
DStlS20			Live	1.5	
DStlS20			SDL	1.35	
DStlS20			LiveE	1.5	
DStlS20			LiveH	1.5	
DStlS21	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS21			Live	0.3	
DStlS21			SDL	1	
DStlS21			LiveE	0.3	
DStlS21			LiveH	0.3	
DStlS21			EQ	1	
DStlS22	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DStlS22			Live	0.3	
DStlS22			SDL	1	
DStlS22			LiveE	0.3	
DStlS22			LiveH	0.3	
DStlS22			EQ	-1	
DStlS23	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS23			SDL	1	
DStlS23			EQ	1	
DStlS24	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS24			SDL	1	
DStlS24			EQ	-1	
DStlS25	Linear Add	Yes	Dead	1	Dead + Live + Response Spectrum [Strength]
DStlS25			Live	0.3	
DStlS25			SDL	1	
DStlS25			LiveE	0.3	
DStlS25			LiveH	0.3	
DStlS25			RSA	1	
DStlS26	Linear Add	Yes	Dead	1	Dead + Response Spectrum [Strength]
DStlS26			SDL	1	
DStlS26			RSA	1	
DStlS27	Linear Add	Yes	Dead	1	Dead (min) + Response Spectrum [Strength]
DStlS27			SDL	1	
DStlS27			RSA	1	
DStlS28	Linear Add	Yes	Dead	1.35	Dead [Strength]
DStlS28			SDL	1.35	
DStlS29	Linear Add	Yes	Dead	1.35	Dead + Live [Strength]
DStlS29			Live	1.5	
DStlS29			SDL	1.35	
DStlS29			LiveE	1.5	
DStlS29			LiveH	1.5	
DStlS30	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS30			Live	0.3	
DStlS30			SDL	1	
DStlS30			LiveE	0.3	
DStlS30			LiveH	0.3	
DStlS30			EQ	1	
DStlS31	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS31			Live	0.3	
DStlS31			SDL	1	
DStlS31			LiveE	0.3	
DStlS31			LiveH	0.3	
DStlS31			EQ	-1	
DStlS32	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS32			Live	0.3	
DStlS32			SDL	1	
DStlS32			LiveE	0.3	
DStlS32			LiveH	0.3	
DStlS32			EQx+e	1	
DStlS33	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS33			Live	0.3	

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DStlS33			SDL	1	
DStlS33			LiveE	0.3	
DStlS33			LiveH	0.3	
DStlS33			EQx+e	-1	
DStlS34	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS34			Live	0.3	
DStlS34			SDL	1	
DStlS34			LiveE	0.3	
DStlS34			LiveH	0.3	
DStlS34			EQx-e	1	
DStlS35	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS35			Live	0.3	
DStlS35			SDL	1	
DStlS35			LiveE	0.3	
DStlS35			LiveH	0.3	
DStlS35			EQx-e	-1	
DStlS36	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS36			Live	0.3	
DStlS36			SDL	1	
DStlS36			LiveE	0.3	
DStlS36			LiveH	0.3	
DStlS36			EQy+e	1	
DStlS37	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS37			Live	0.3	
DStlS37			SDL	1	
DStlS37			LiveE	0.3	
DStlS37			LiveH	0.3	
DStlS37			EQy+e	-1	
DStlS38	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS38			Live	0.3	
DStlS38			SDL	1	
DStlS38			LiveE	0.3	
DStlS38			LiveH	0.3	
DStlS38			EQy-e	1	
DStlS39	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS39			Live	0.3	
DStlS39			SDL	1	
DStlS39			LiveE	0.3	
DStlS39			LiveH	0.3	
DStlS39			EQy-e	-1	
DStlS40	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS40			Live	0.3	
DStlS40			SDL	1	
DStlS40			LiveE	0.3	
DStlS40			LiveH	0.3	
DStlS40			EQy0e	1	
DStlS41	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS41			Live	0.3	
DStlS41			SDL	1	
DStlS41			LiveE	0.3	

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DStlS41			LiveH	0.3	
DStlS41			EQy0e	-1	
DStlS42	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DStlS42			Live	0.3	
DStlS42			SDL	1	
DStlS42			LiveE	0.3	
DStlS42			LiveH	0.3	
DStlS42			EQx0e	1	
DStlS43	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DStlS43			Live	0.3	
DStlS43			SDL	1	
DStlS43			LiveE	0.3	
DStlS43			LiveH	0.3	
DStlS43			EQx0e	-1	
DStlS44	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS44			SDL	1	
DStlS44			EQ	1	
DStlS45	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS45			SDL	1	
DStlS45			EQ	-1	
DStlS46	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS46			SDL	1	
DStlS46			EQx+e	1	
DStlS47	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS47			SDL	1	
DStlS47			EQx+e	-1	
DStlS48	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS48			SDL	1	
DStlS48			EQx-e	1	
DStlS49	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS49			SDL	1	
DStlS49			EQx-e	-1	
DStlS50	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS50			SDL	1	
DStlS50			EQy+e	1	
DStlS51	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS51			SDL	1	
DStlS51			EQy+e	-1	
DStlS52	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS52			SDL	1	
DStlS52			EQy-e	1	
DStlS53	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS53			SDL	1	
DStlS53			EQy-e	-1	
DStlS54	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS54			SDL	1	
DStlS54			EQy0e	1	
DStlS55	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS55			SDL	1	
DStlS55			EQy0e	-1	

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DStlS56	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DStlS56			SDL	1	
DStlS56			EQx0e	1	
DStlS57	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DStlS57			SDL	1	
DStlS57			EQx0e	-1	
DStlS58	Linear Add	Yes	Dead	1	Dead + Live + Response Spectrum [Strength]
DStlS58			Live	0.3	
DStlS58			SDL	1	
DStlS58			LiveE	0.3	
DStlS58			LiveH	0.3	
DStlS58			RSA	1	
DStlS59	Linear Add	Yes	Dead	1	Dead + Response Spectrum [Strength]
DStlS59			SDL	1	
DStlS59			RSA	1	
DStlS60	Linear Add	Yes	Dead	1	Dead (min) + Response Spectrum [Strength]
DStlS60			SDL	1	
DStlS60			RSA	1	
DWalS1	Linear Add	Yes	Dead	1.35	Dead [Strength]
DWalS1			SDL	1.35	
DWalS2	Linear Add	Yes	Dead	1.35	Dead + Live [Strength]
DWalS2			Live	1.5	
DWalS2			SDL	1.35	
DWalS2			LiveE	1.5	
DWalS2			LiveH	1.5	
DWalS3	Linear Add	Yes	Dead	1	Dead + Live + Static Earthquake [Strength]
DWalS3			Live	0.3	
DWalS3			SDL	1	
DWalS3			LiveE	0.3	
DWalS3			LiveH	0.3	
DWalS3			EQ	1	
DWalS4	Linear Add	Yes	Dead	1	Dead + Live - Static Earthquake [Strength]
DWalS4			Live	0.3	
DWalS4			SDL	1	
DWalS4			LiveE	0.3	
DWalS4			LiveH	0.3	
DWalS4			EQ	-1	
DWalS5	Linear Add	Yes	Dead	1	Dead + Static Earthquake [Strength]
DWalS5			SDL	1	
DWalS5			EQ	1	
DWalS6	Linear Add	Yes	Dead	1	Dead - Static Earthquake [Strength]
DWalS6			SDL	1	
DWalS6			EQ	-1	
DWalS7	Linear Add	Yes	Dead	1	Dead + Live + Response Spectrum [Strength]
DWalS7			Live	0.3	
DWalS7			SDL	1	
DWalS7			LiveE	0.3	
DWalS7			LiveH	0.3	
DWalS7			RSA	1	
DWalS8	Linear Add	Yes	Dead	1	Dead + Response Spectrum [Strength]

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DWalS8			SDL	1	
DWalS8			RSA	1	
DWalS9	Linear Add	Yes	Dead	1	Dead (min) + Response Spectrum [Strength]
DWalS9			SDL	1	
DWalS9			RSA	1	
EQ_{ENV}	Envelope	No	EQxPos	1	
EQ_{ENV}			EQyPos	1	
EQ_{ENV}			EQxNeg	1	
EQ_{ENV}			EQyNeg	1	
EQ_{SLS}	Envelope	No	EQxPos	1.2	
EQ_{SLS}			EQyPos	1.2	
EQ_{SLS}			EQxNeg	1.2	
EQ_{SLS}			EQyNeg	1.2	
GEO_B	Linear Add	No	DeadLoad	1.35	
GEO_B	Linear Add	No	DeadLoad	1.35	
GEO_B			LiveLoadGravityComb	1.5	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			LiveLoad	1	
GEO_B			EQxPos	1.4	
GEO_B			EQyPos	0.42	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			LiveLoad	1	
GEO_B			EQxPos	1.4	
GEO_B			EQyNeg	0.42	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			LiveLoad	1	
GEO_B			EQxNeg	1.4	
GEO_B			EQyPos	0.42	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			LiveLoad	1	
GEO_B			EQxNeg	1.4	
GEO_B			EQyNeg	0.42	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			EQxPos	1.4	
GEO_B			EQyPos	0.42	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			EQxPos	1.4	
GEO_B			EQyNeg	0.42	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			EQxNeg	1.4	
GEO_B			EQyPos	0.42	
GEO_B	Linear Add	No	DeadLoad	1	
GEO_B			EQxNeg	1.4	
GEO_B			EQyNeg	0.42	
STR_B	Linear Add	No	DeadLoad	1.35	
STR_B	Linear Add	No	DeadLoad	1.35	
STR_B			LiveLoadGravityComb	1.5	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			LiveLoad	1	
STR_B			EQxPos	1	

Table 4.3 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
STR_B			EQyPos	0.3	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			LiveLoad	1	
STR_B			EQxPos	1	
STR_B			EQyNeg	0.3	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			LiveLoad	1	
STR_B			EQxNeg	1	
STR_B			EQyPos	0.3	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			LiveLoad	1	
STR_B			EQxNeg	1	
STR_B			EQyNeg	0.3	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			EQxPos	1	
STR_B			EQyPos	0.3	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			EQxPos	1	
STR_B			EQyNeg	0.3	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			EQxNeg	1	
STR_B			EQyPos	0.3	
STR_B	Linear Add	No	DeadLoad	1	
STR_B			EQxNeg	1	
STR_B			EQyNeg	0.3	
STR_{COL}	Linear Add	No	DeadLoad	1	
STR_{COL}			LiveLoad	1	
STR_{COL}			EQ_{ENV}	2.09	
STR_{ENV}	Envelope	No	STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV}			STR_B	1	
STR_{ENV-1}	Envelope	No	STR_B	1	
STR_{ENV-1}			STR_B	1	
STR_{ENV-1}			STR_B	1	
STR_{ENV-1}			STR_B	1	
STR_{ENV-1}			STR_B	1	
STR_{ENV-1}			STR_B	1	
STR_{ENV-1}			STR_B	1	
STR_{ENV-1}			STR_B	1	

5 Analysis Results

This chapter provides analysis results.

5.1 Structure Results

Table 5.1 - Centers Of Mass And Rigidity (Part 1 of 2)

Story	Diaphragm	Mass X N-s2/mm	Mass Y N-s2/mm	XCM mm	YCM mm	Cum Mass X N-s2/mm	Cum Mass Y N-s2/mm	XCCM mm	YCCM mm
Story4	D1	470.8745	470.8745	-23103.74	-8046.59	470.8745	470.8745	-23103.74	-8046.59
Story3	D1	731.146	731.146	-23347.41	-8101.26	1202.0205	1202.0205	-23251.95	-8079.84
Story2	D1	946.4773	946.4773	-27309.24	-8031.35	2148.4978	2148.4978	-25039.31	-8058.48
Story1	D2	310.2007	310.2007	-33498.71	-8945.22	310.2007	310.2007	-33498.71	-8945.22
Story1	D3	354.1466	354.1466	-7990.83	-8165.51	354.1466	354.1466	-7990.83	-8165.51
Story1	D4	136.847	136.847	-23651.99	-28435.45	136.847	136.847	-23651.99	-28435.45

Table 5.1 - Centers Of Mass And Rigidity (Part 2 of 2)

Story	Diaphragm	XCR mm	YCR mm
Story4	D1	-16774.75	-8077.59
Story3	D1	-19472.42	-8280.93
Story2	D1	-23188.88	-8489.81
Story1	D2	-31373.95	-8108.13
Story1	D3	-12568.97	-6748.59
Story1	D4	-7693.54	-27667.41

Table 5.2 - Diaphragm Center Of Mass Displacements (Part 1 of 2)

Story	Diaphragm	Output Case	Case Type	Step Type	UX mm	UY mm	RZ rad	Point	X mm	Y mm
Story4	D1	EQ_{ENV}	Combination	Max	13	10	0.0004	3	-23103.74	-8046.59
Story4	D1	EQ_{ENV}	Combination	Min	-14	-10	-0.0004	3	-23103.74	-8046.59
Story3	D1	EQ_{ENV}	Combination	Max	10	7	0.0003	4	-23347.41	-8101.26
Story3	D1	EQ_{ENV}	Combination	Min	-11	-7	-0.0003	4	-23347.41	-8101.26
Story2	D1	EQ_{ENV}	Combination	Max	1	1	1.639E-05	47	-27309.24	-8031.35
Story2	D1	EQ_{ENV}	Combination	Min	-1	-1	-1.231E-05	47	-27309.24	-8031.35
Story1	D2	EQ_{ENV}	Combination	Max	1	0.4975	1.633E-05	67	-33498.71	-8945.22
Story1	D2	EQ_{ENV}	Combination	Min	-1	-1	-1.553E-05	67	-33498.71	-8945.22
Story1	D3	EQ_{ENV}	Combination	Max	1	1	1.657E-05	74	-7990.83	-8165.51
Story1	D3	EQ_{ENV}	Combination	Min	-1	-1	-1.502E-05	74	-7990.83	-8165.51
Story1	D4	EQ_{ENV}	Combination	Max	1	1	7.745E-06	119	-23651.99	-28435.45
Story1	D4	EQ_{ENV}	Combination	Min	-1	-1	-6.653E-06	119	-23651.99	-28435.45

Table 5.2 - Diaphragm Center Of Mass Displacements (Part 2 of 2)

Story	Diaphragm	Z mm	Diaphragm Mass X N-s2/mm	Diaphragm Mass Y N-s2/mm	Diaphragm MMI RZ N-mm-s2
Story4	D1	14320	470.8745	470.8745	105700000000
Story4	D1	14320	470.8745	470.8745	105700000000
Story3	D1	10720	731.146	731.146	160300000000
Story3	D1	10720	731.146	731.146	160300000000
Story2	D1	7120	946.4773	946.4773	261300000000

Table 5.2 - Diaphragm Center Of Mass Displacements (Part 2 of 2, continued)

Story	Diaphragm	Z mm	Diaphragm Mass X N-s2/mm	Diaphragm Mass Y N-s2/mm	Diaphragm MMI RZ N-mm-s2
Story2	D1	7120	946.4773	946.4773	261300000000
Story1	D2	3520	310.2007	310.2007	13933307814
Story1	D2	3520	310.2007	310.2007	13933307814
Story1	D3	3520	354.1466	354.1466	15889665989
Story1	D3	3520	354.1466	354.1466	15889665989
Story1	D4	3520	136.847	136.847	35860207346
Story1	D4	3520	136.847	136.847	35860207346

Table 5.3 - Diaphragm Max Over Avg Drifts

Story	Output Case	Case Type	Step Type	Item	Max Drift	Avg Drift	Ratio	Label	Max Loc X mm	Max Loc Y mm	Max Loc Z mm
Story4	EQ_{ENV}	Combination	Max	Diaph D1 X	0.001	0.001	1.025	250	-51235	-18275	14320
Story4	EQ_{ENV}	Combination	Max	Diaph D1 Y	0.002	0.001	1.576	250	-51235	-18275	14320
Story4	EQ_{ENV}	Combination	Min	Diaph D1 X	0.001	0.001	1.016	250	-51235	-18275	14320
Story4	EQ_{ENV}	Combination	Min	Diaph D1 Y	0.002	0.001	1.591	250	-51235	-18275	14320
Story3	EQ_{ENV}	Combination	Max	Diaph D1 X	0.002	0.002	1.033	232	88.84	-18275	10720
Story3	EQ_{ENV}	Combination	Max	Diaph D1 Y	0.003	0.002	1.842	58	-48544	-10800	10720
Story3	EQ_{ENV}	Combination	Min	Diaph D1 X	0.003	0.003	1.028	232	88.84	-18275	10720
Story3	EQ_{ENV}	Combination	Min	Diaph D1 Y	0.003	0.002	1.842	58	-48544	-10800	10720
Story2	EQ_{ENV}	Combination	Max	Diaph D1 X	0.0003043	0.0001988	1.531	21	-21544	-10800	7120
Story2	EQ_{ENV}	Combination	Max	Diaph D1 Y	0.0002928	0.0002478	1.182	378	-43144	-14600	7120
Story2	EQ_{ENV}	Combination	Min	Diaph D1 X	0.0003007	0.0001888	1.593	21	-21544	-10800	7120
Story2	EQ_{ENV}	Combination	Min	Diaph D1 Y	0.0003187	0.0002723	1.17	9	-43144	-5400	7120
Story1	EQ_{ENV}	Combination	Max	Diaph D2 X	0.000199	0.0001945	1.023	527	-28894	-16200	3520
Story1	EQ_{ENV}	Combination	Max	Diaph D2 Y	0.0001529	0.0001386	1.103	336	-26944	-3150	3520
Story1	EQ_{ENV}	Combination	Min	Diaph D2 X	0.0002249	0.0002106	1.068	527	-28894	-16200	3520
Story1	EQ_{ENV}	Combination	Min	Diaph D2 Y	0.0001611	0.0001466	1.099	336	-26944	-3150	3520
Story1	EQ_{ENV}	Combination	Max	Diaph D3 X	0.0002469	0.0002246	1.099	533	-5744	-16200	3520
Story1	EQ_{ENV}	Combination	Max	Diaph D3 Y	0.0002235	0.0001855	1.205	8	0	0	3520
Story1	EQ_{ENV}	Combination	Min	Diaph D3 X	0.000227	0.0002111	1.076	533	-5744	-16200	3520
Story1	EQ_{ENV}	Combination	Min	Diaph D3 Y	0.0002152	0.0001807	1.191	8	0	0	3520
Story1	EQ_{ENV}	Combination	Max	Diaph D4 X	0.0002673	0.0002638	1.013	59	-4294	-39265	3520
Story1	EQ_{ENV}	Combination	Max	Diaph D4 Y	0.0002342	0.0002177	1.076	90	-47113.64	-21600	3520
Story1	EQ_{ENV}	Combination	Min	Diaph D4 X	0.000253	0.0002515	1.006	59	-4294	-39265	3520
Story1	EQ_{ENV}	Combination	Min	Diaph D4 Y	0.0002398	0.0002202	1.089	90	-47113.64	-21600	3520

5.2 Modal Results

Table 5.4 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	0.398	2.51	15.7692	248.6678
Modal	2	0.214	4.683	29.4238	865.7592
Modal	3	0.204	4.89	30.7278	944.2005
Modal	4	0.16	6.265	39.362	1549.3668
Modal	5	0.112	8.962	56.3122	3171.0648

Table 5.4 - Modal Periods And Frequencies (continued)

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	6	0.097	10.339	64.9626	4220.1449
Modal	7	0.079	12.622	79.3059	6289.4257
Modal	8	0.078	12.796	80.3992	6464.0354
Modal	9	0.075	13.413	84.2741	7102.1304
Modal	10	0.068	14.632	91.935	8452.0504
Modal	11	0.066	15.186	95.4137	9103.7756
Modal	12	0.063	15.806	99.3098	9862.4437
Modal	13	0.059	16.948	106.488	11339.6954
Modal	14	0.039	25.867	162.5299	26415.9592
Modal	15	0.032	31.47	197.7329	39098.2918
Modal	16	0.031	32.414	203.6659	41479.8042
Modal	17	0.03	33.194	208.5629	43498.4992
Modal	18	0.028	35.815	225.0322	50639.5076
Modal	19	0.026	38.035	238.9837	57113.2046
Modal	20	0.025	40.743	255.9987	65535.3279
Modal	21	0.022	45.482	285.7743	81666.9256
Modal	22	0.019	53.176	334.1151	111632.8863
Modal	23	0.018	54.777	344.1731	118455.1507
Modal	24	0.017	58.078	364.9145	133162.572
Modal	25	0.017	60.1	377.6187	142595.9025
Modal	26	0.016	63.323	397.868	158298.9571
Modal	27	0.01	98.872	621.2287	385925.048
Modal	28	0.008	120.539	757.3661	573603.4379
Modal	29	0.004	240.865	1513.4024	2290386.8041
Modal	30	0.004	280.295	1761.1454	3101633.2683

Table 5.5 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY
Modal	1	0.398	0.002	2.491E-05	0	0.002	2.491E-05	0	2.473E-05	0.002
Modal	2	0.214	0.0224	0.3194	0	0.0245	0.3194	0	0.3587	0.0216
Modal	3	0.204	0.5157	0.0073	0	0.5401	0.3267	0	0.008	0.478
Modal	4	0.16	0.0059	0.1898	0	0.546	0.5165	0	0.1404	0.0017
Modal	5	0.112	0.0393	0.0015	0	0.5852	0.518	0	0.0001	0.0537
Modal	6	0.097	4.471E-05	0.1178	0	0.5853	0.6358	0	0.0045	2.185E-05
Modal	7	0.079	0.2069	0.0018	0	0.7922	0.6376	0	0.0021	0.182
Modal	8	0.078	0.0172	0.0011	0	0.8094	0.6387	0	0.0022	0.014
Modal	9	0.075	0.0558	0.0488	0	0.8651	0.6875	0	0.0823	0.0339
Modal	10	0.068	0.1042	0.0264	0	0.9694	0.7139	0	0.0456	0.0343
Modal	11	0.066	0.0013	0.0052	0	0.9706	0.7191	0	0.0019	0.0002
Modal	12	0.063	0.0026	0.0024	0	0.9732	0.7215	0	0.0145	0.0005
Modal	13	0.059	0.0012	0.2105	0	0.9744	0.932	0	0.139	0.0005
Modal	14	0.039	1.829E-05	0.0261	0	0.9744	0.9581	0	0.0533	0.0001
Modal	15	0.032	0.0048	0.0001	0	0.9792	0.9582	0	0.0001	0.027
Modal	16	0.031	3.661E-05	0.0004	0	0.9792	0.9586	0	0.0007	0.0002
Modal	17	0.03	0	0	0	0.9792	0.9586	0	7.123E-06	9.175E-07
Modal	18	0.028	0.0026	2.959E-06	0	0.9818	0.9586	0	0.0078	0.018
Modal	19	0.026	0.0153	1.758E-06	0	0.9971	0.9586	0	0.001	0.1228
Modal	20	0.025	0	0.0332	0	0.9971	0.9918	0	0.1004	0.0002

Table 5.5 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY
Modal	21	0.022	0.0012	0.0032	0	0.9983	0.995	0	0.0127	0.0045
Modal	22	0.019	3.606E-06	0.0045	0	0.9983	0.9995	0	0.0211	6.219E-07
Modal	23	0.018	0.0003	0.0003	0	0.9987	0.9998	0	0.0026	0.0002
Modal	24	0.017	5.472E-06	0.0001	0	0.9987	0.9999	0	0.0006	3.185E-05
Modal	25	0.017	0.0012	9.761E-06	0	0.9999	1	0	8.406E-06	0.0043
Modal	26	0.016	0.0001	6.334E-06	0	1	1	0	0.0001	0.0002
Modal	27	0.01	0	5.621E-06	0	1	1	0	0	0.0001
Modal	28	0.008	0	7.891E-07	0	1	1	0	2.458E-05	1.264E-05
Modal	29	0.004	0	2.574E-05	0	1	1	0	0.0001	0
Modal	30	0.004	2.621E-06	7.77E-07	0	1	1	0	9.217E-07	1.576E-05

Table 5.5 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	RZ	SumRX	SumRY	SumRZ
Modal	1	0.0014	2.473E-05	0.002	0.0014
Modal	2	0.1113	0.3587	0.0236	0.1127
Modal	3	0.0268	0.3667	0.5016	0.1395
Modal	4	0.3976	0.5071	0.5033	0.5371
Modal	5	5.074E-06	0.5073	0.557	0.5371
Modal	6	0.0901	0.5117	0.557	0.6273
Modal	7	0.0633	0.5138	0.739	0.6906
Modal	8	0.004	0.516	0.753	0.6945
Modal	9	0.0039	0.5983	0.7869	0.6985
Modal	10	0.0843	0.6439	0.8213	0.7827
Modal	11	0.0406	0.6458	0.8215	0.8233
Modal	12	0.1283	0.6603	0.8219	0.9516
Modal	13	0.0006	0.7993	0.8224	0.9522
Modal	14	0.0122	0.8526	0.8224	0.9644
Modal	15	2.737E-05	0.8527	0.8494	0.9645
Modal	16	0.0005	0.8534	0.8496	0.9649
Modal	17	7.103E-07	0.8535	0.8496	0.9649
Modal	18	0.0147	0.8612	0.8676	0.9797
Modal	19	0.0005	0.8623	0.9904	0.9801
Modal	20	0.0171	0.9627	0.9906	0.9973
Modal	21	7.637E-06	0.9754	0.9951	0.9973
Modal	22	0.0002	0.9965	0.9951	0.9974
Modal	23	0.0013	0.9991	0.9952	0.9988
Modal	24	1.639E-05	0.9997	0.9953	0.9988
Modal	25	0.0004	0.9997	0.9996	0.9992
Modal	26	0.0006	0.9999	0.9998	0.9998
Modal	27	4.001E-05	0.9999	0.9998	0.9998
Modal	28	2.507E-05	0.9999	0.9999	0.9998
Modal	29	1.578E-05	0.9999	0.9999	0.9999
Modal	30	1.424E-05	0.9999	0.9999	0.9999

6 Figures

This chapter includes the selected custom views of the model.

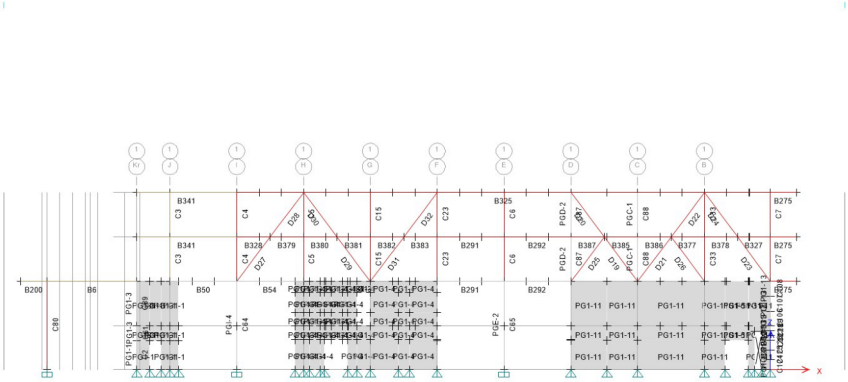


Figure 6-1-Labels [1]

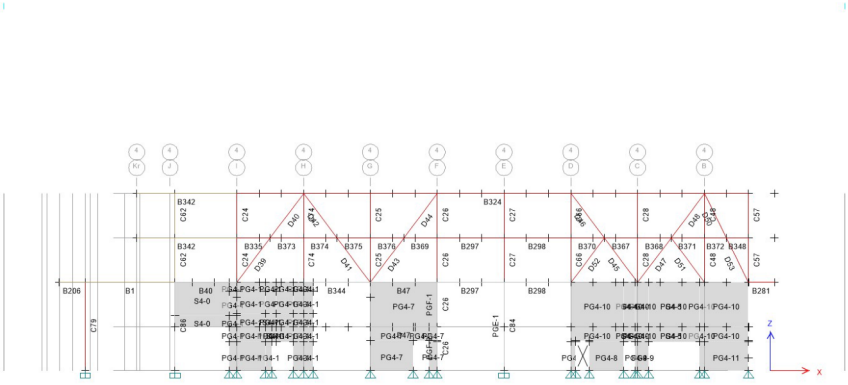


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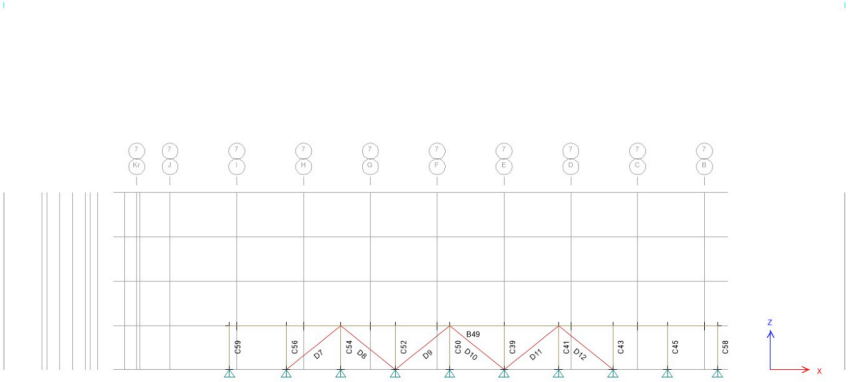


Figure 6-3-Labels $_{7}$

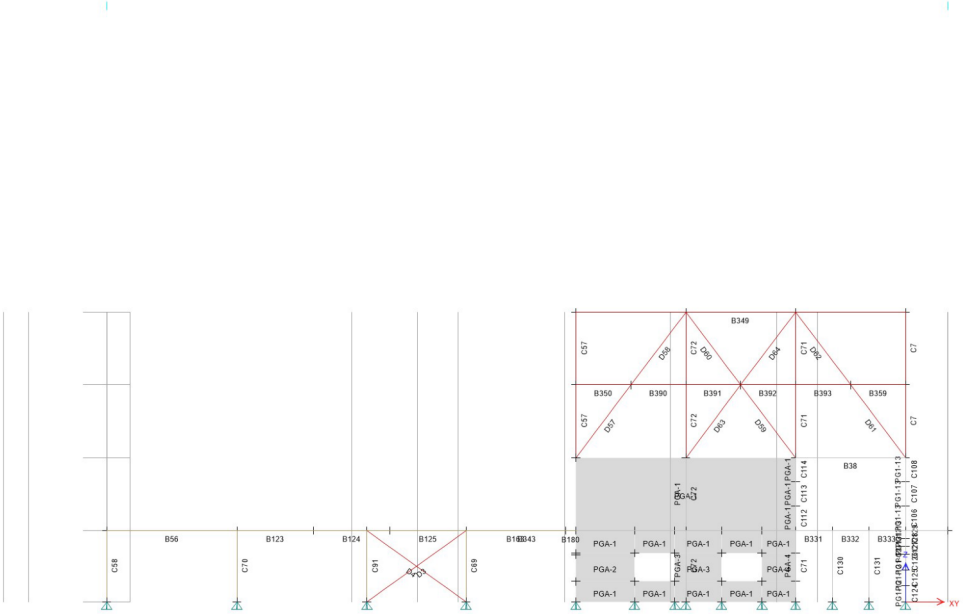


Figure 6-4-Labels $_{A}$

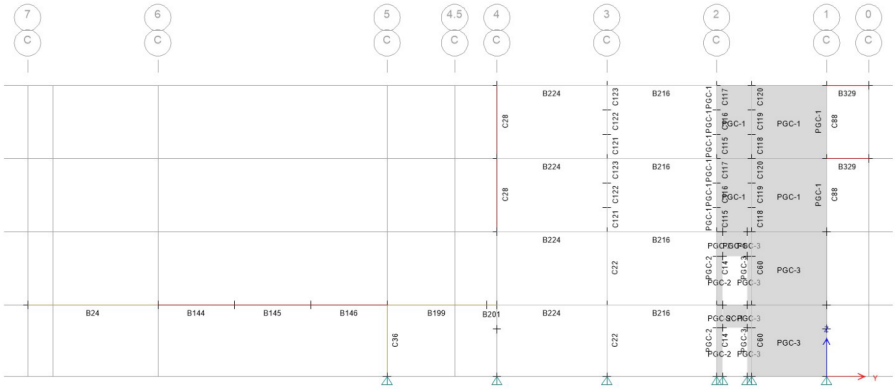


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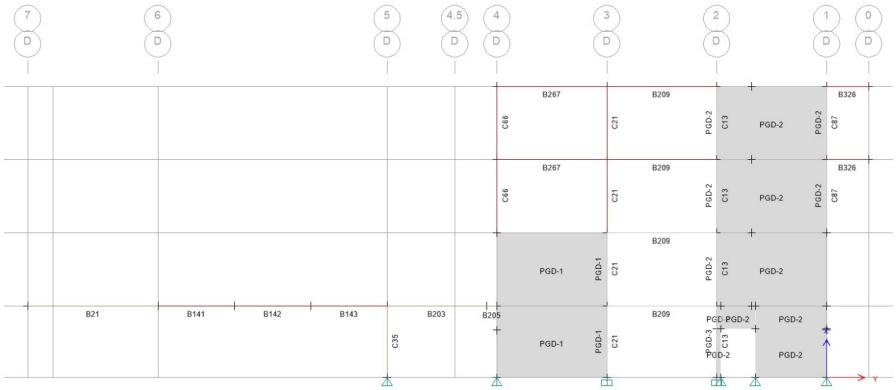


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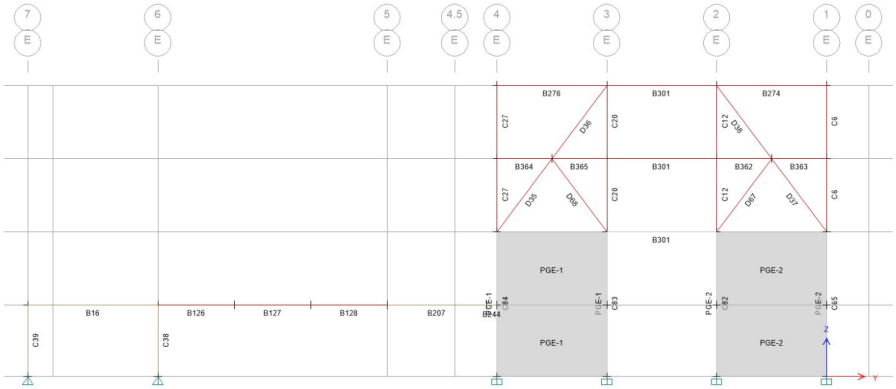


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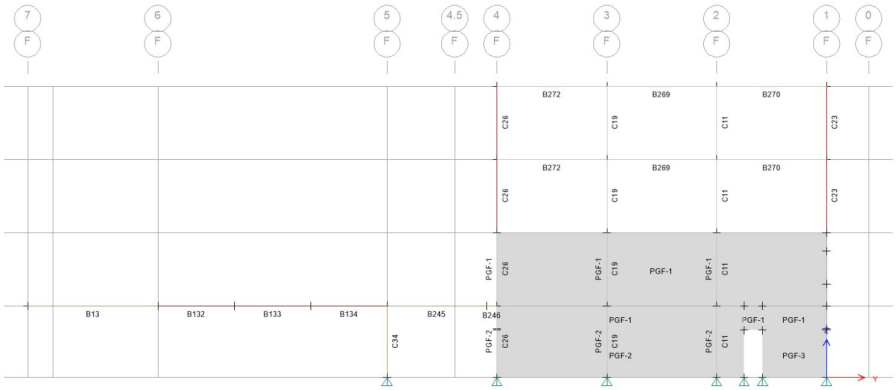


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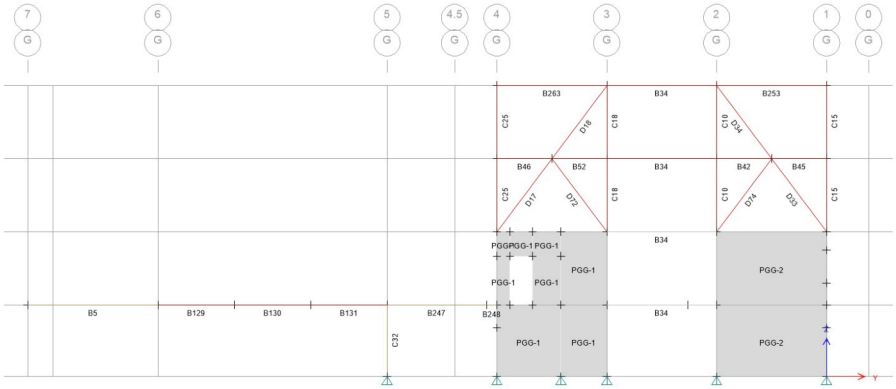


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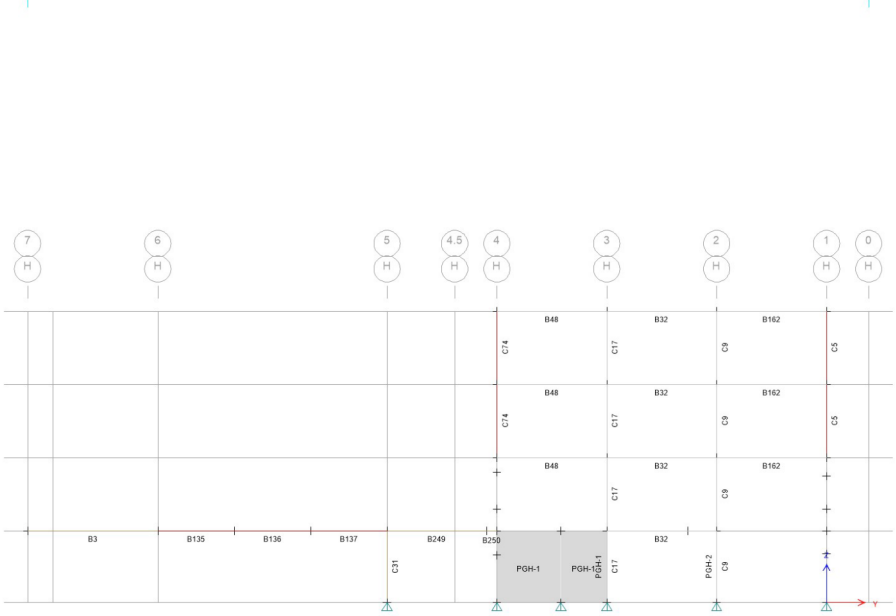


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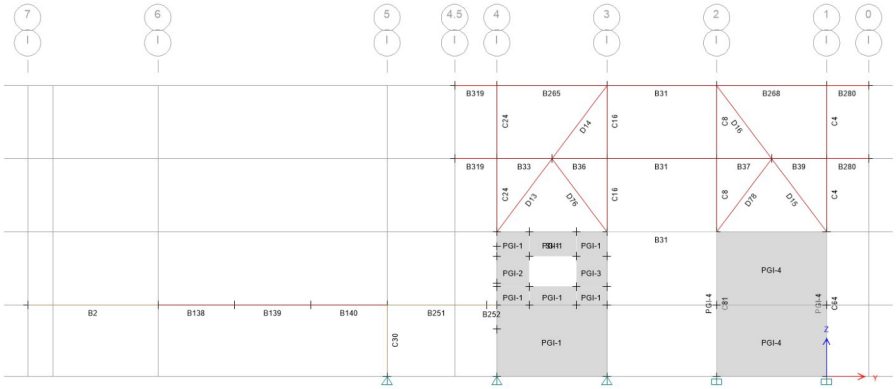


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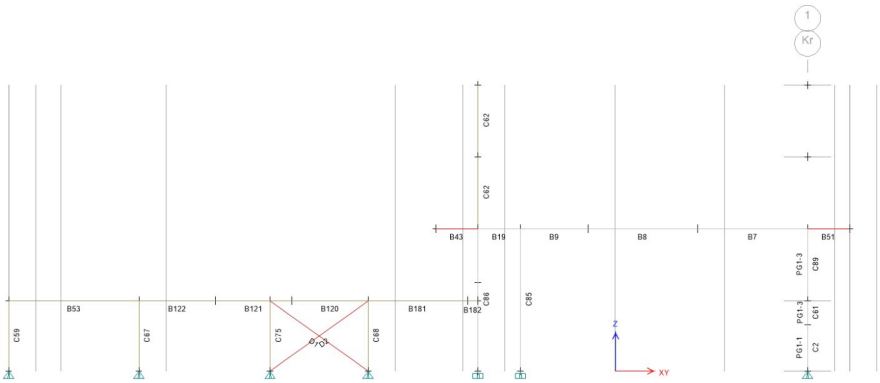


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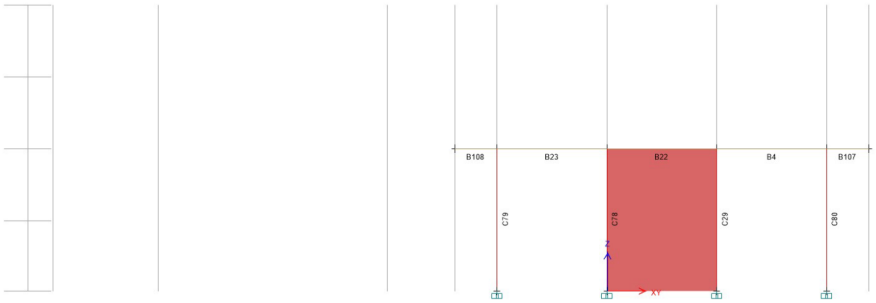


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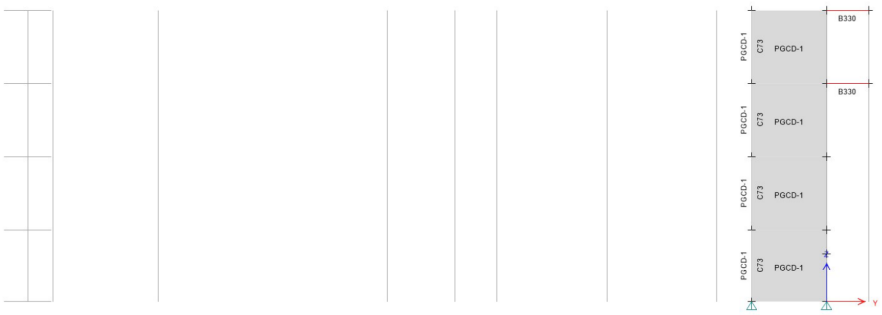


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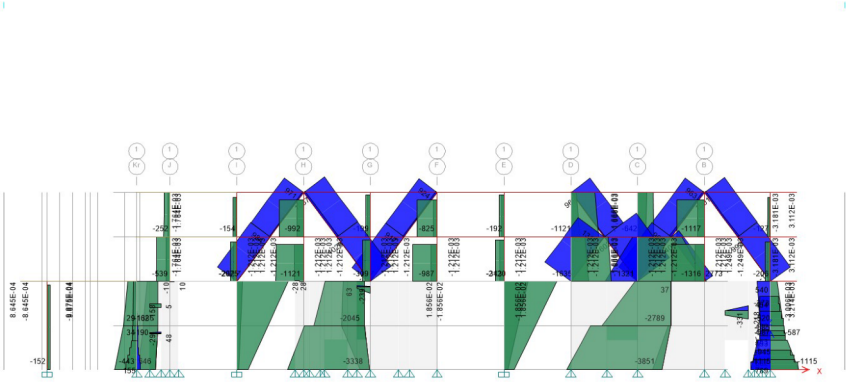


Figure 6-15-Axial Grid 1

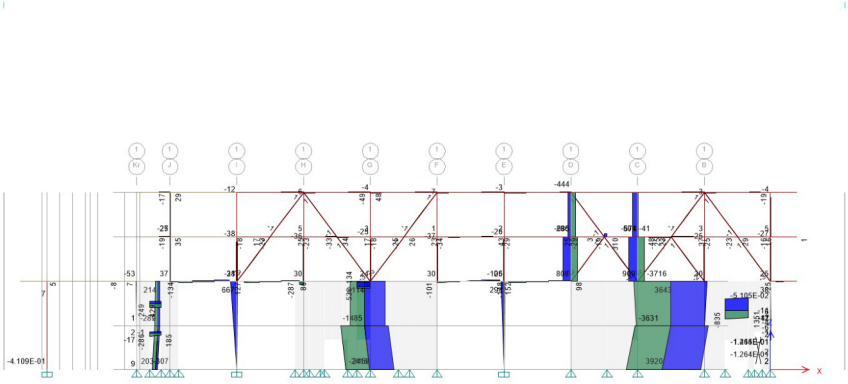


Figure 6-16-Shear Grid 1

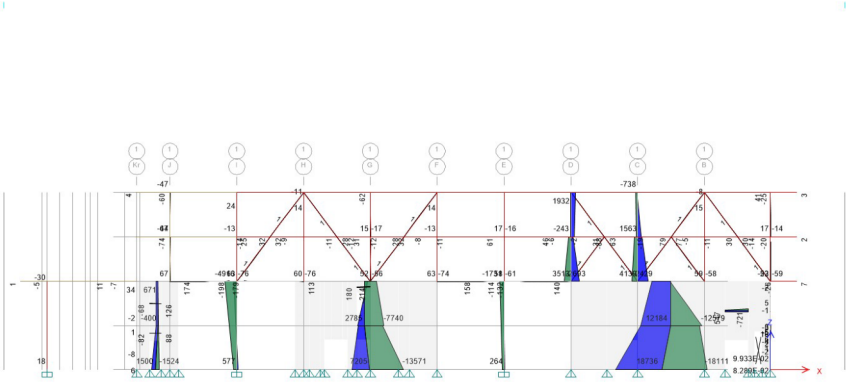


Figure 6-17-Moment Grid 1

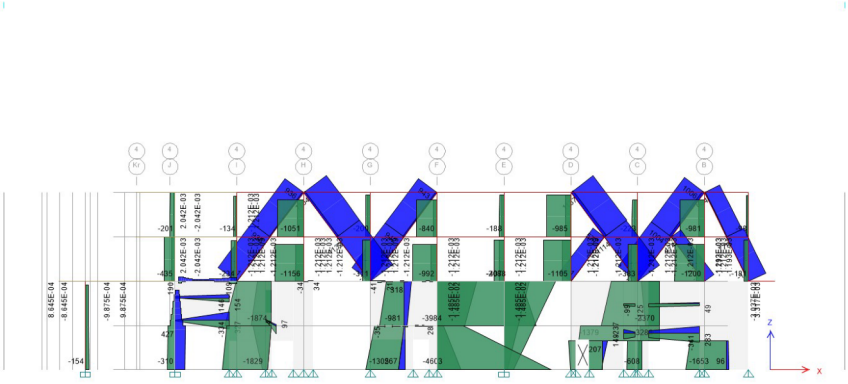


Figure 6-18-Axial Grid 4

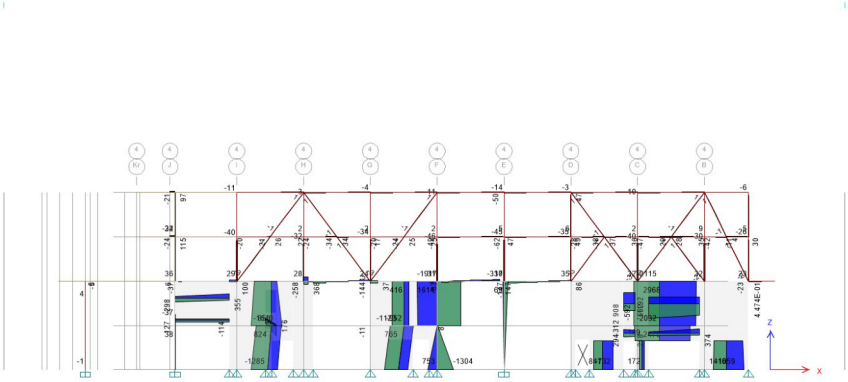


Figure 6-19-Shear Grid 4

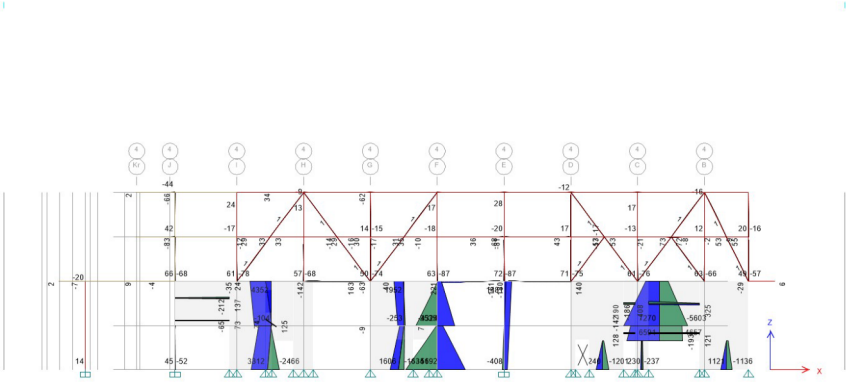


Figure 6-20-Moment Grid 4

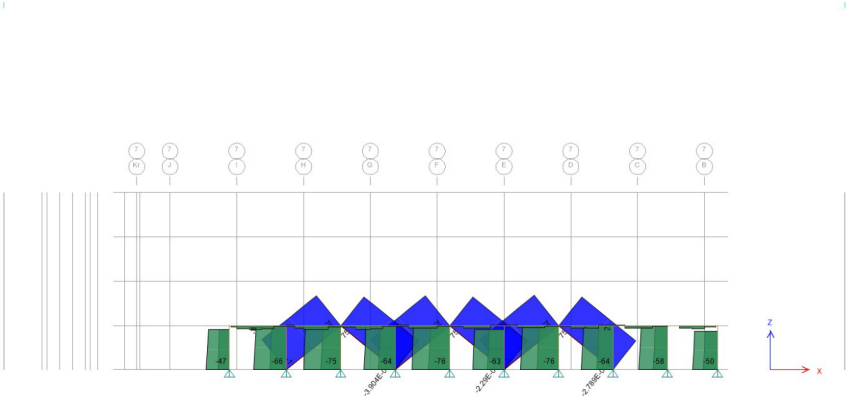


Figure 6-21-Axial Grid 7

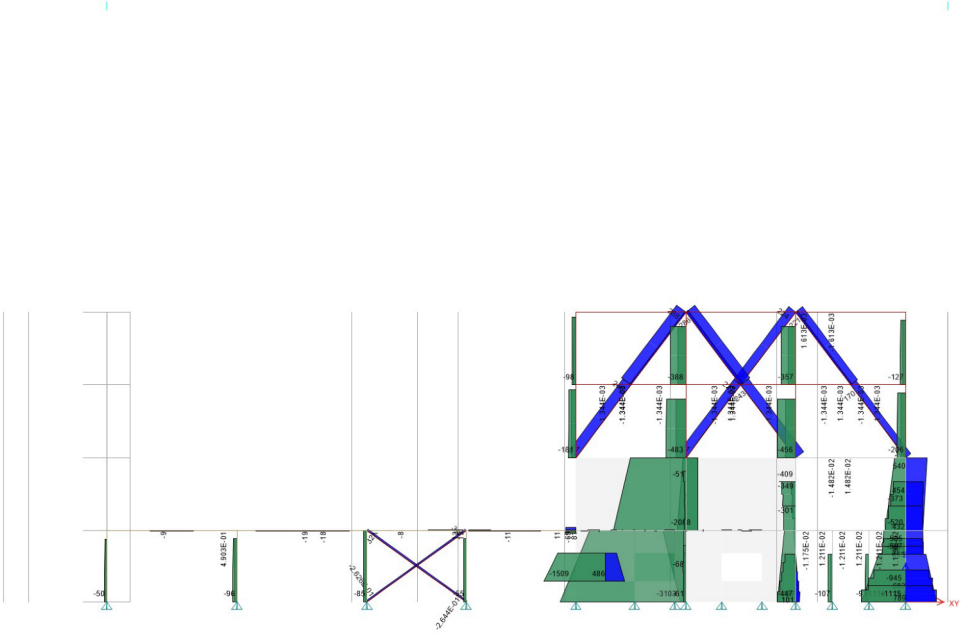


Figure 6-22-Axial Grid A

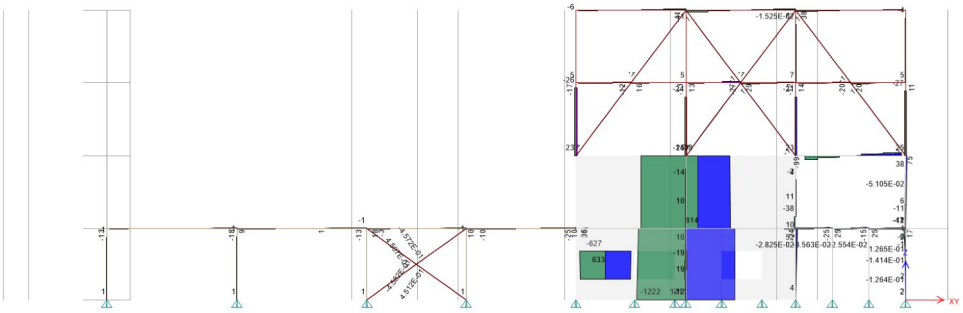


Figure 6-23-Shear Grid A

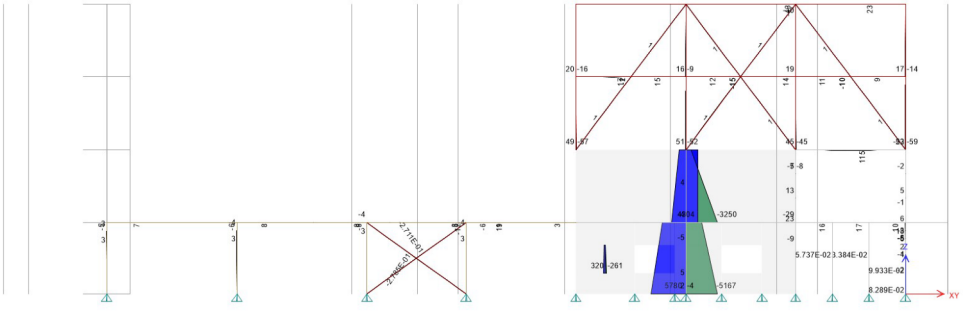


Figure 6-24-Moment Grid A

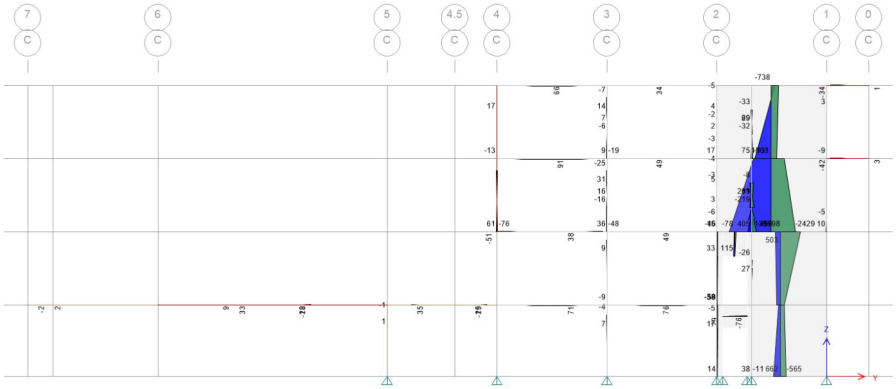


Figure 6-25-Moment Grid C

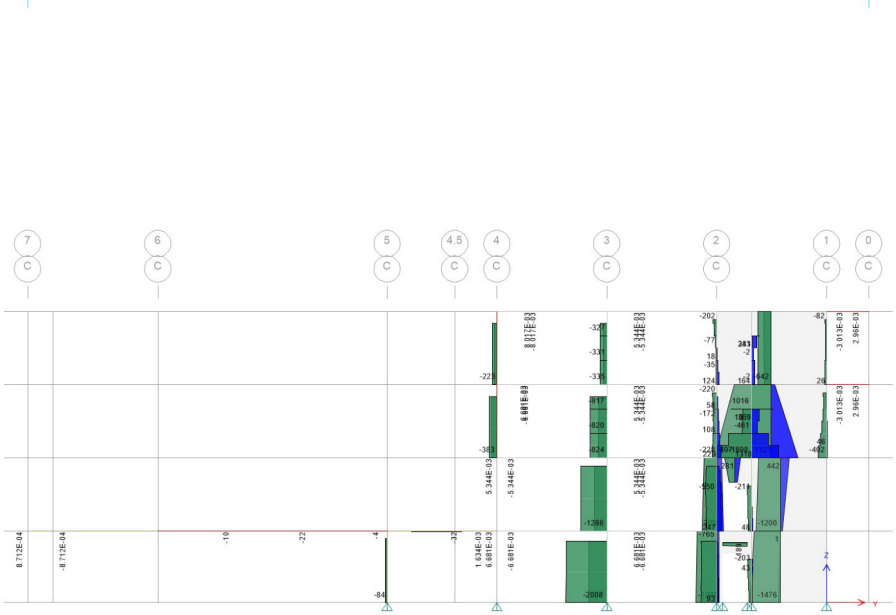


Figure 6-26-Axial Grid C

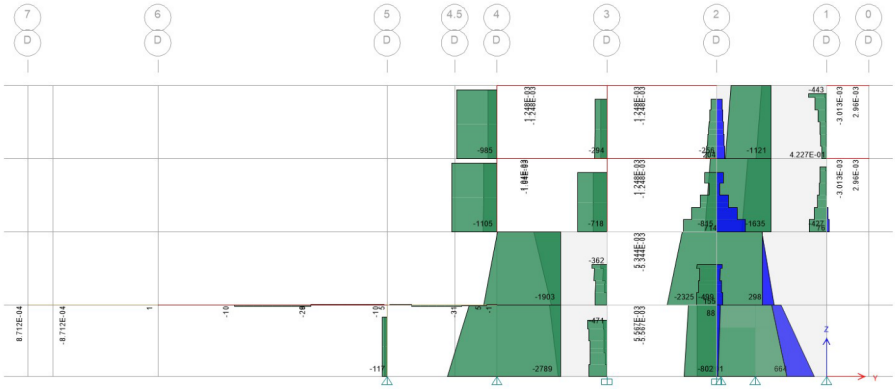


Figure 6-27-Axial Grid D

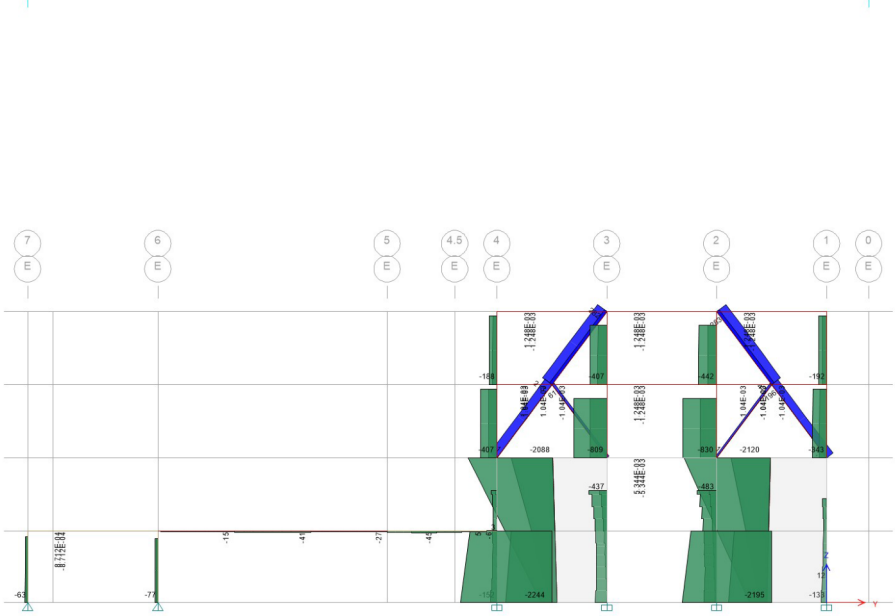


Figure 6-28-Axial Grid E

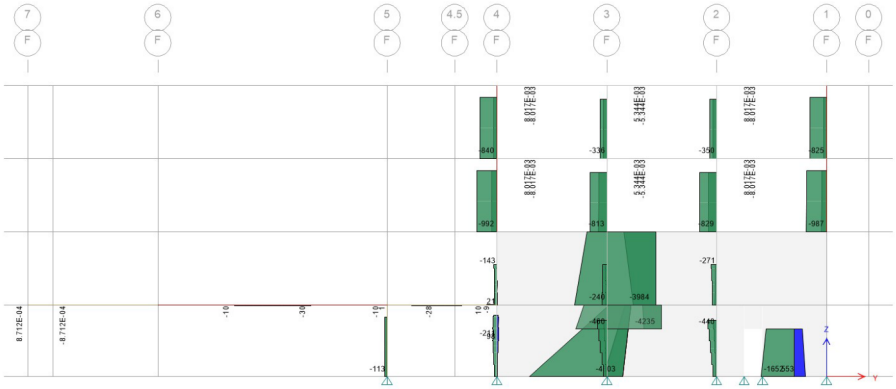


Figure 6-29-Axial Grid F

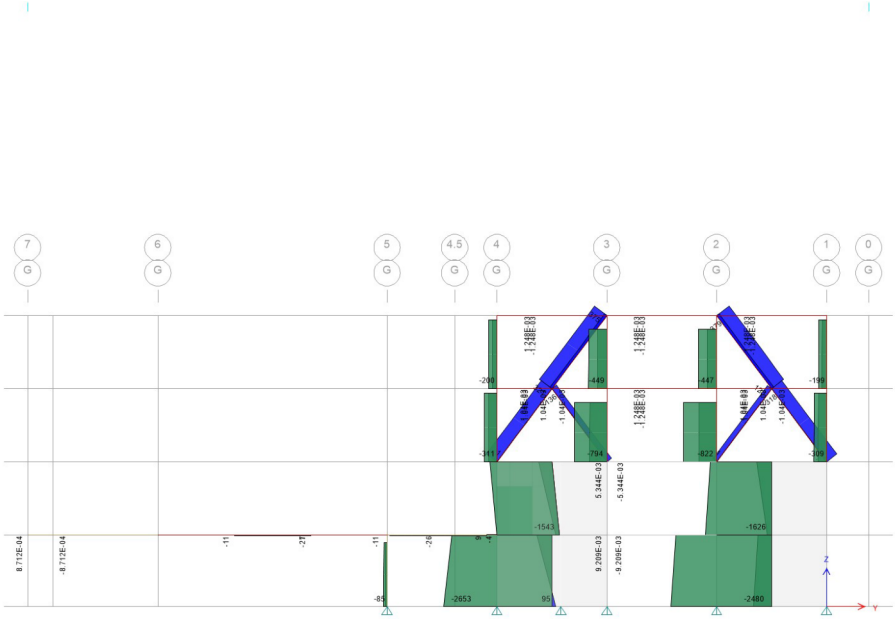


Figure 6-30-Axial Grid G

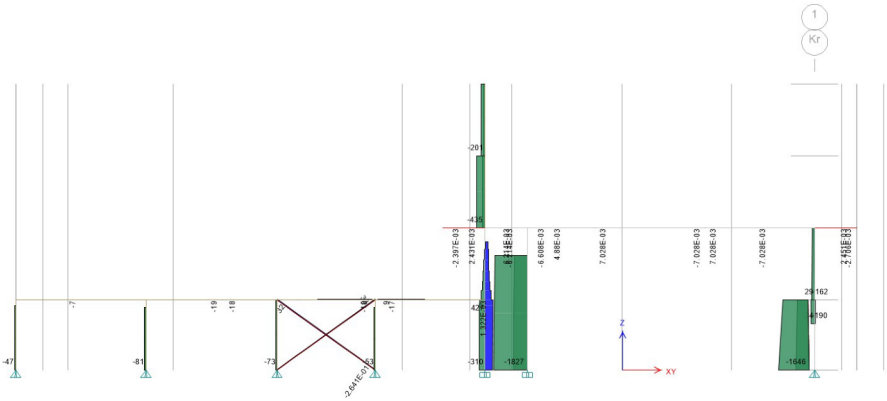


Figure 6-31-Axial Grid K

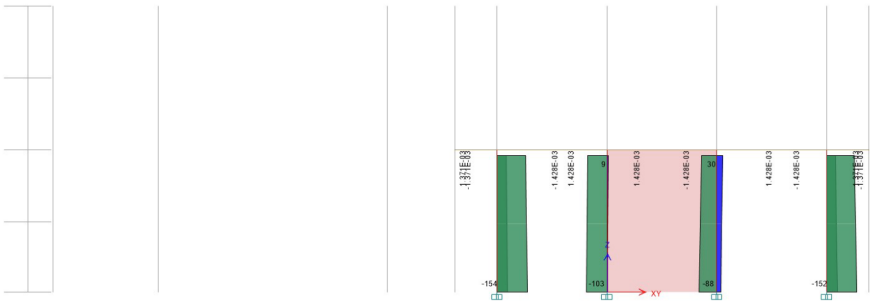


Figure 6-32-Axial Grid L

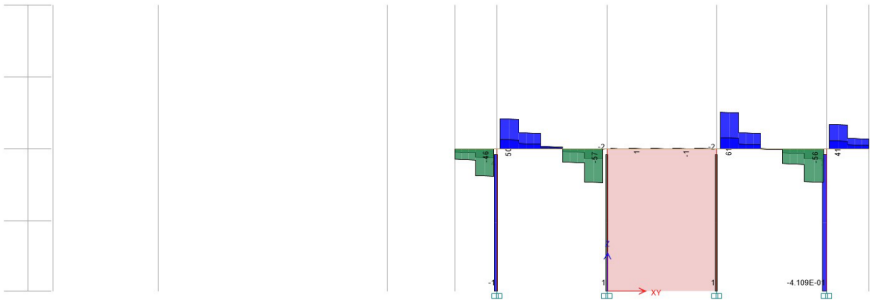


Figure 6-33-Shear Grid L

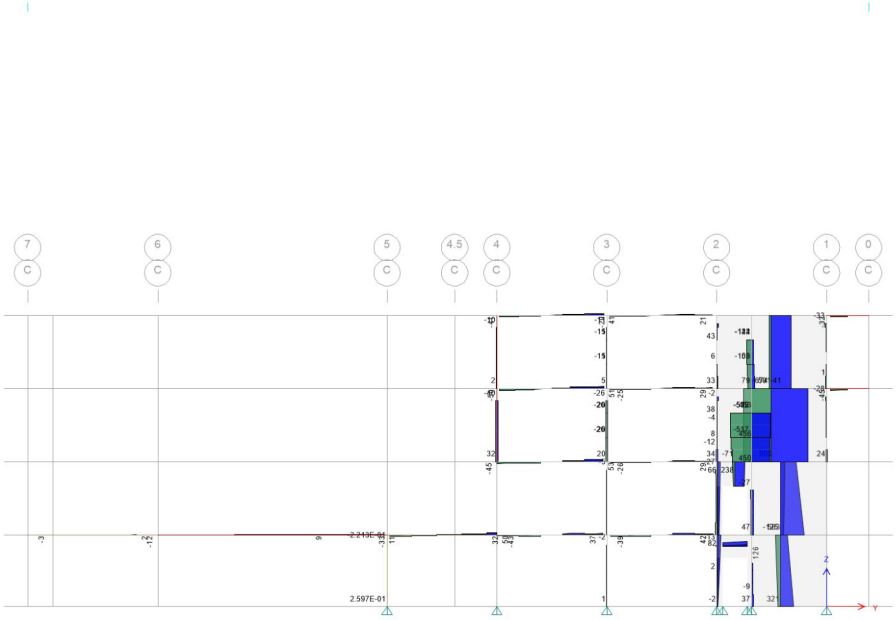


Figure 6-34-Shear Grid C

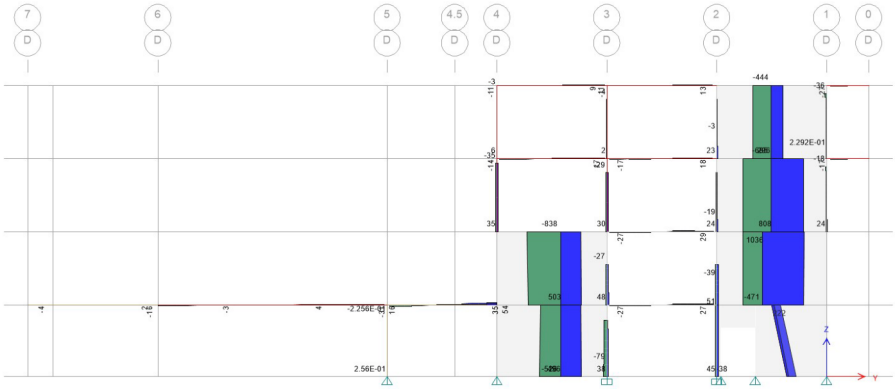


Figure 6-35-Shear Grid D

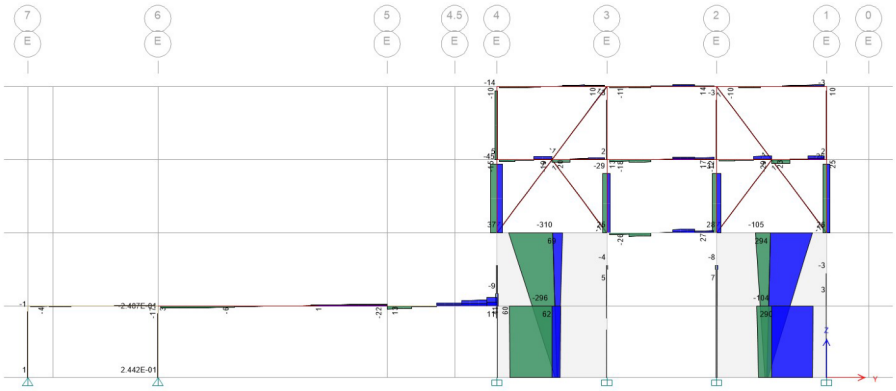


Figure 6-36-Shear Grid E

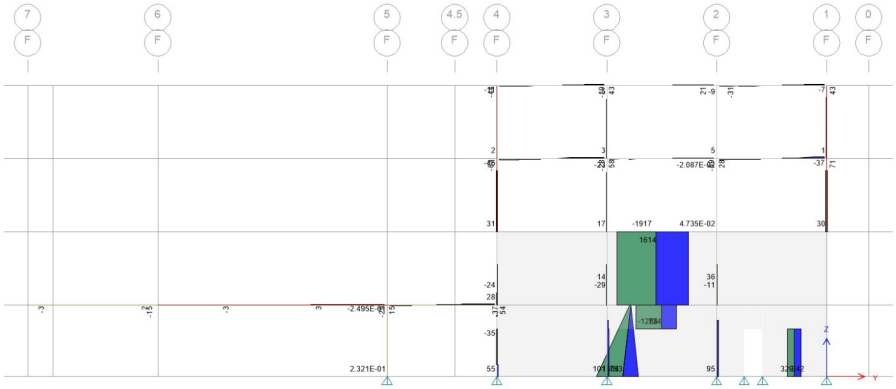


Figure 6-37-Shear Grid F

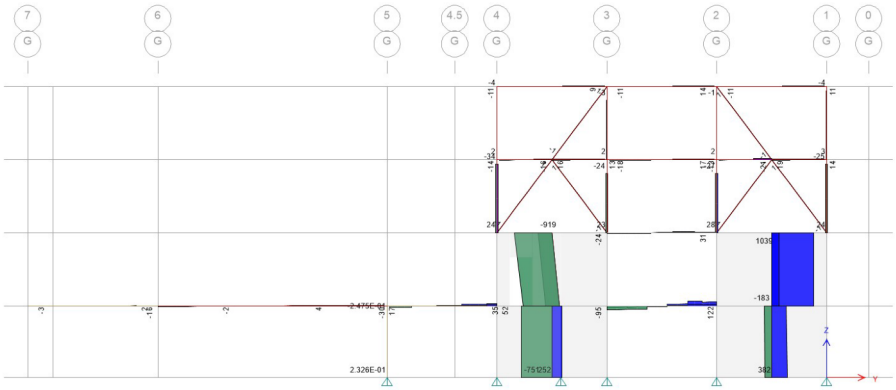


Figure 6-38-Shear Grid G

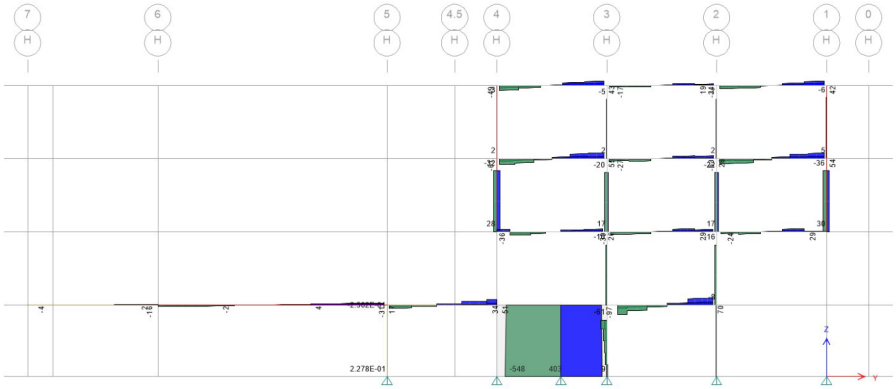


Figure 6-39-Shear Grid H

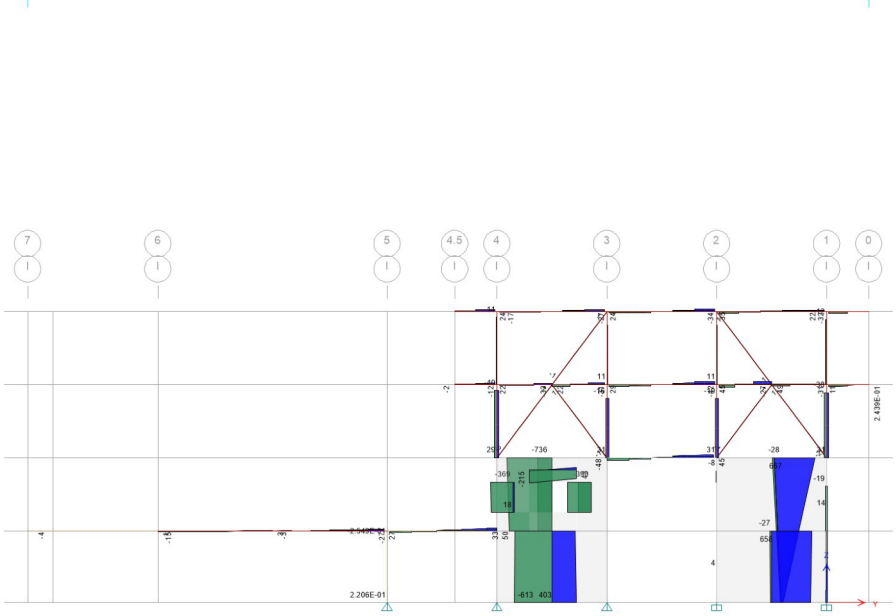


Figure 6-40-Shear Grid I

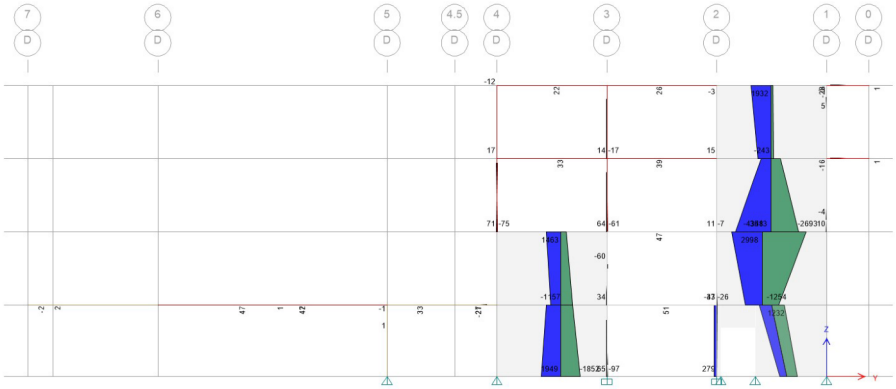


Figure 6-41-Moment Grid D

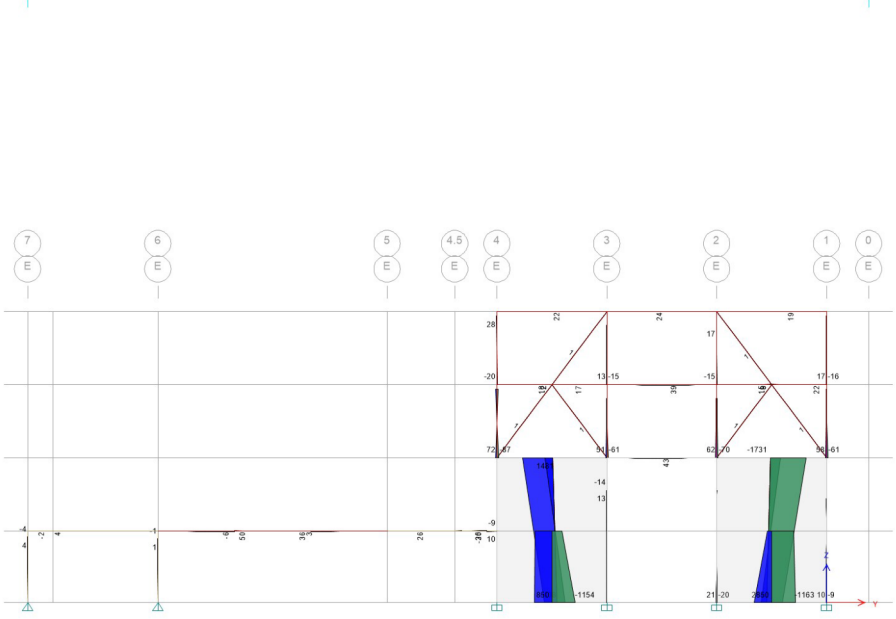


Figure 6-42-Moment Grid E

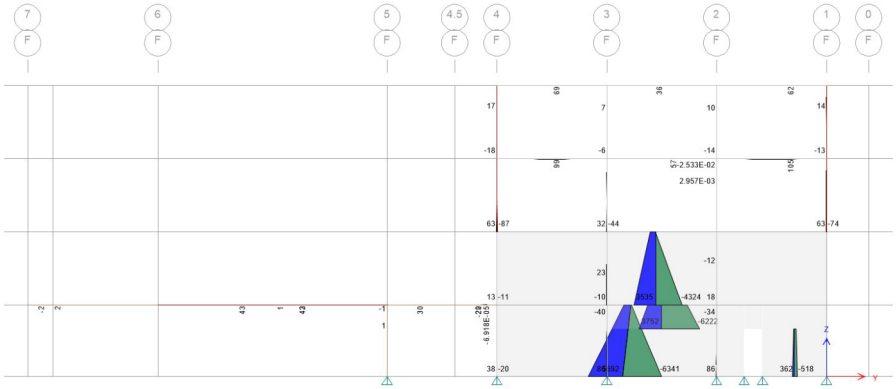


Figure 6-43-Moment Grid F

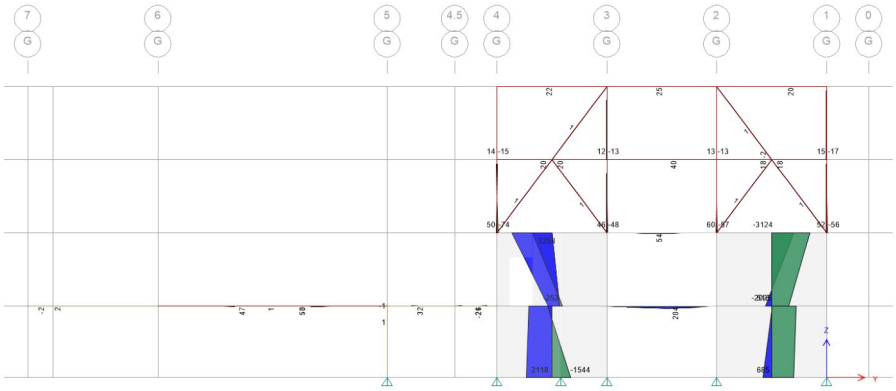


Figure 6-44-Moment Grid G

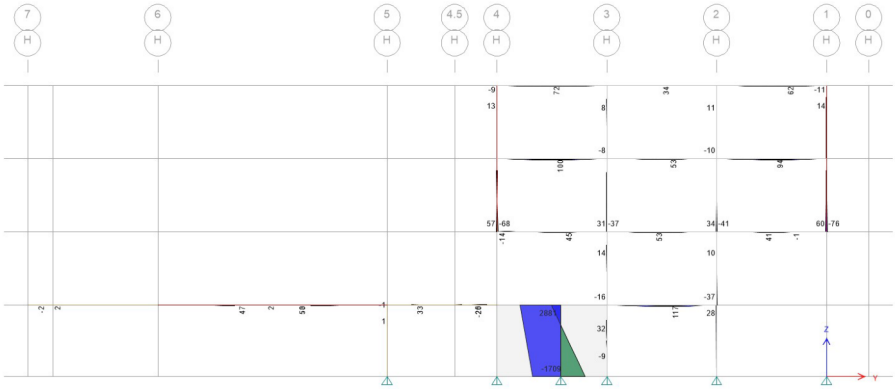


Figure 6-45-Moment Grid H

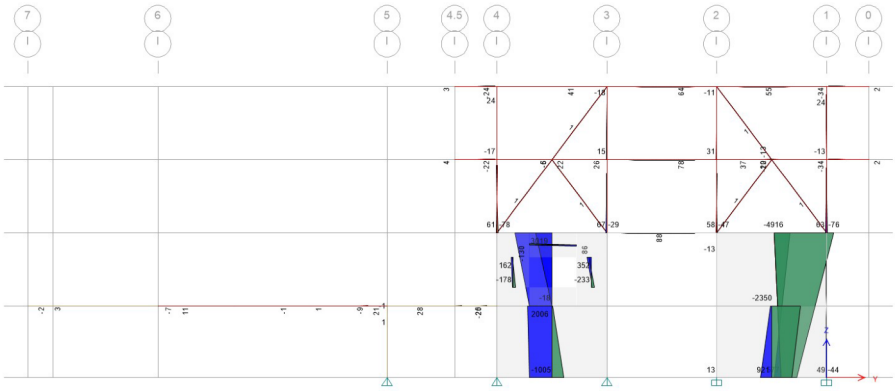


Figure 6-46-Moment Grid I

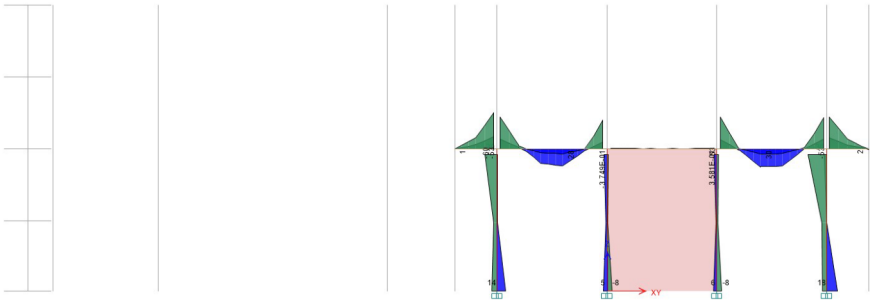


Figure 6-47-Moment Grid L