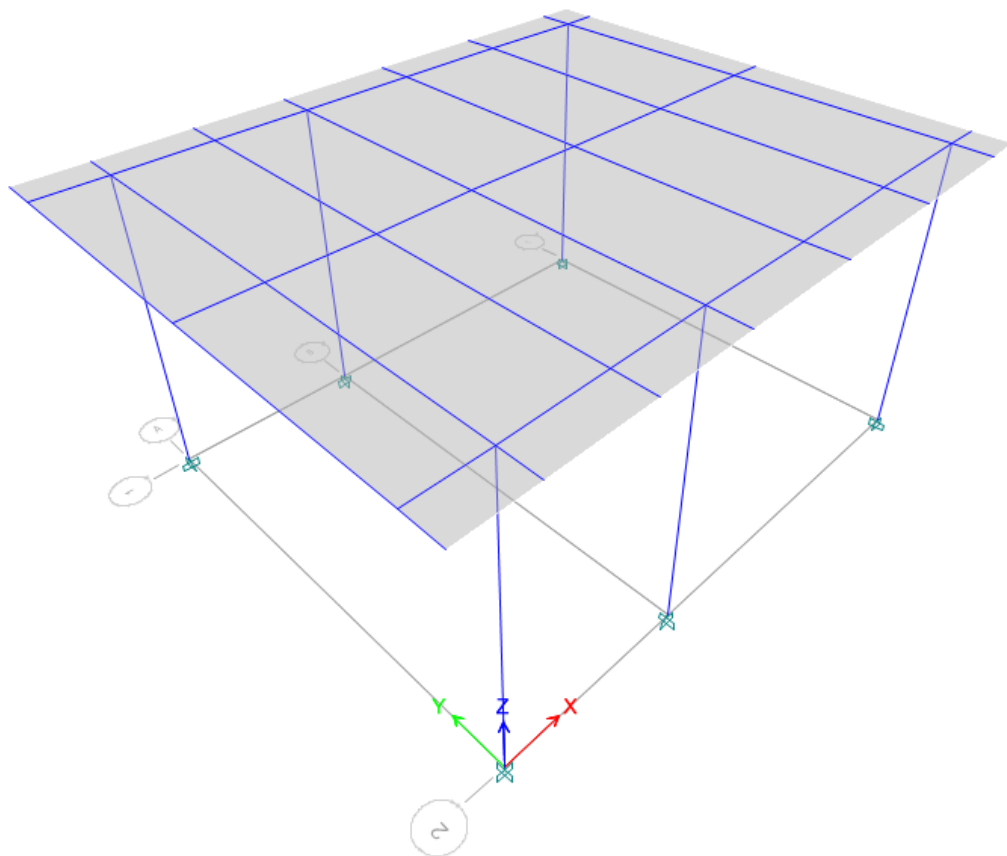




User Report 3

Model File: MODULO 1 - SAN DIEGO, Revision 0

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Assignments

1 Assignments

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

1.1 Frame Assignments

Table 1.1 - Frame Assignments - Summary (Part 1 of 2)

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
14	Story1	B43	Beam	0.9		V30X45	V30X45		0.5	
15	Story1	B48	Beam	0.9		V30X45	V30X45		0.5	
17	Story1	B50	Beam	0.5		V20X45	V20X45		0.5	
18	Story1	B51	Beam	0.5		V20X45	V20X45		0.5	
19	Story1	B56	Beam	0.5		V30X45	V30X45		0.5	
20	Story1	B57	Beam	0.5		V30X45	V30X45		0.5	
21	Story1	B58	Beam	0.5		V30X45	V30X45		0.5	
22	Story1	B59	Beam	0.5		V30X45	V30X45		0.5	
23	Story1	B64	Beam	0.5		V30X45	V30X45		0.5	
24	Story1	B65	Beam	0.5		V30X45	V30X45		0.5	
25	Story1	B66	Beam	0.5		V30X45	V30X45		0.5	
26	Story1	B67	Beam	0.5		V30X45	V30X45		0.5	
27	Story1	B72	Beam	1.5733		V30X45	V30X45		0.5	
28	Story1	B73	Beam	1.5733		V30X45	V30X45		0.5	
29	Story1	B74	Beam	1.5733		V30X45	V30X45		0.5	
30	Story1	B75	Beam	1.5733		V30X45	V30X45		0.5	
31	Story1	B80	Beam	1.5733		V30X45	V30X45		0.5	
32	Story1	B81	Beam	1.5733		V30X45	V30X45		0.5	
33	Story1	B82	Beam	1.265		V30X45	V30X45		0.5	
34	Story1	B83	Beam	1.265		V30X45	V30X45		0.5	
35	Story1	B84	Beam	1.265		V30X45	V30X45		0.5	
36	Story1	B85	Beam	1.265		V30X45	V30X45		0.5	
40	Story1	B91	Beam	0.5		V20X45	V20X45		0.5	
41	Story1	B92	Beam	0.5		V20X45	V20X45		0.5	
42	Story1	B93	Beam	0.5		V20X45	V20X45		0.5	
43	Story1	B94	Beam	0.5		V20X45	V20X45		0.5	
44	Story1	B95	Beam	0.5		V20X45	V20X45		0.5	
45	Story1	B96	Beam	0.5		V20X45	V20X45		0.5	
46	Story1	B97	Beam	3.05		V30X45	V30X45		0.5	
47	Story1	B98	Beam	3.05		V30X45	V30X45		0.5	
48	Story1	B99	Beam	3.05		V30X45	V30X45		0.5	
49	Story1	B100	Beam	3.05		V30X45	V30X45		0.5	
50	Story1	B101	Beam	3.05		V30X45	V30X45		0.5	
51	Story1	B102	Beam	3.05		V30X45	V30X45		0.5	
52	Story1	B103	Beam	3.05		V20X45	V20X45		0.5	
53	Story1	B104	Beam	3.05		V20X45	V20X45		0.5	
54	Story1	B107	Beam	3.05		V20X45	V20X45		0.5	
55	Story1	B108	Beam	3.05		V20X45	V20X45		0.5	
56	Story1	B109	Beam	3.05		V20X45	V20X45		0.5	
57	Story1	B110	Beam	3.05		V20X45	V20X45		0.5	
58	Story1	B115	Beam	3.05		V20X45	V20X45		0.5	
59	Story1	B116	Beam	3.05		V20X45	V20X45		0.5	
61	Story1	B118	Beam	0.9		V20X45	V20X45		0.5	
62	Story1	B123	Beam	1.265		V20X45	V20X45		0.5	
63	Story1	B124	Beam	1.265		V20X45	V20X45		0.5	
64	Story1	B125	Beam	1.5733		V20X45	V20X45		0.5	
65	Story1	B126	Beam	1.5733		V20X45	V20X45		0.5	
66	Story1	B131	Beam	1.5733		V20X45	V20X45		0.5	
67	Story1	B132	Beam	0.5		V20X45	V20X45		0.5	
1	Story1	C21	Column	4.2		C40X40	C40X40			3
2	Story1	C1	Column	4.2		C40X40	C40X40			3

Assignments

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m	Min Number Stations
3	Story1	C2	Column	4.2		C40X40	C40X40			3
4	Story1	C3	Column	4.2		C40X40	C40X40			3
5	Story1	C4	Column	4.2		C40X40	C40X40			3
6	Story1	C5	Column	4.2		C40X40	C40X40			3

Table 1.1 - Frame Assignments - Summary (Part 2 of 2)

UniqueName	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
14									
15									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
61									
62									
63									
64									
65									
66									

Assignments

UniqueName	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
67									
1									
2									
3									
4									
5									
6									

1.2 Shell Assignments

Table 1.2 - Area Assignments - Summary (Part 1 of 2)

UniqueName	Story	Label	Section Property	Property Type	Diaphragm	Axis Angle deg	Added Mass kgf-s2/m3	Pier	Spandrel
1	Story1	F1	LOSA12	Slab					
3	Story1	F3	LOSA12	Slab					
7	Story1	F11	LOSA12	Slab					
8	Story1	F12	LOSA12	Slab					
9	Story1	F13	LOSA12	Slab					
10	Story1	F18	LOSA12	Slab					
11	Story1	F19	LOSA12	Slab					
12	Story1	F20	LOSA12	Slab					
13	Story1	F21	LOSA12	Slab					
14	Story1	F22	LOSA12	Slab					
15	Story1	F23	LOSA12	Slab					
16	Story1	F24	LOSA12	Slab					
17	Story1	F25	LOSA12	Slab					
18	Story1	F26	LOSA12	Slab					
19	Story1	F31	LOSA12	Slab					
20	Story1	F38	LOSA12	Slab					
21	Story1	F39	LOSA12	Slab					
22	Story1	F40	LOSA12	Slab					
23	Story1	F41	LOSA12	Slab					
24	Story1	F42	LOSA12	Slab					
25	Story1	F43	LOSA12	Slab					
26	Story1	F44	LOSA12	Slab					
27	Story1	F50	LOSA12	Slab					
28	Story1	F51	LOSA12	Slab					
29	Story1	F52	LOSA12	Slab					
30	Story1	F53	LOSA12	Slab					
31	Story1	F54	LOSA12	Slab					
32	Story1	F55	LOSA12	Slab					

Table 1.2 - Area Assignments - Summary (Part 2 of 2)

UniqueName	Spandrel Story	Spring	Modifiers
1			
3			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Assignments

UniqueName	Spandrel Story	Spring	Modifiers
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			

2 Loads

This chapter provides loading information as applied to the model.

2.1 Load Patterns

Table 2.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
D	No	Dead	1	
DS	No	Super Dead	0	
L	No	Live	0	
SX	No	Seismic	0	User Coefficient
SX-UMBRAL-EST	No	Seismic	0	User Coefficient
SY	No	Seismic	0	User Coefficient
SY-UMBRAL-EST	No	Seismic	0	User Coefficient
W1	No	Wind	0	None
W2	No	Wind	0	None

2.2 Auto Seismic Loading

User Coefficient Auto Seismic Load Calculation

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

Direction and Eccentricity

Direction = X + Eccentricity Y

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

C = 0.5

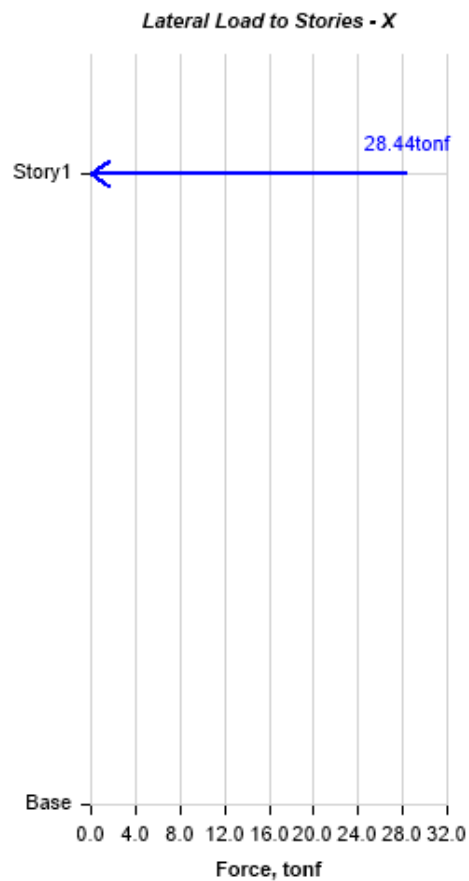
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	56881.54	28.44

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	4.2	28.44	0
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

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

Direction and Eccentricity

Direction = Y + Eccentricity X

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

C = 0.5

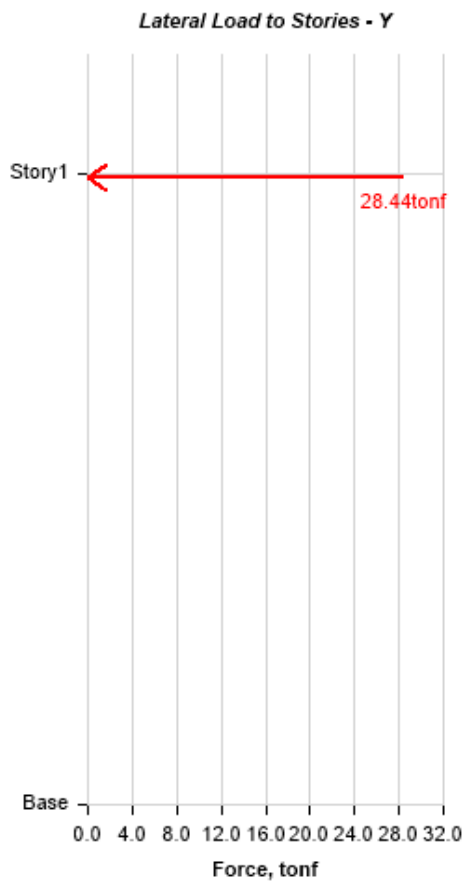
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	56881.54	28.44

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	4.2	0	28.44
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

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

Direction and Eccentricity

Direction = X + Eccentricity Y

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

C = 0.09

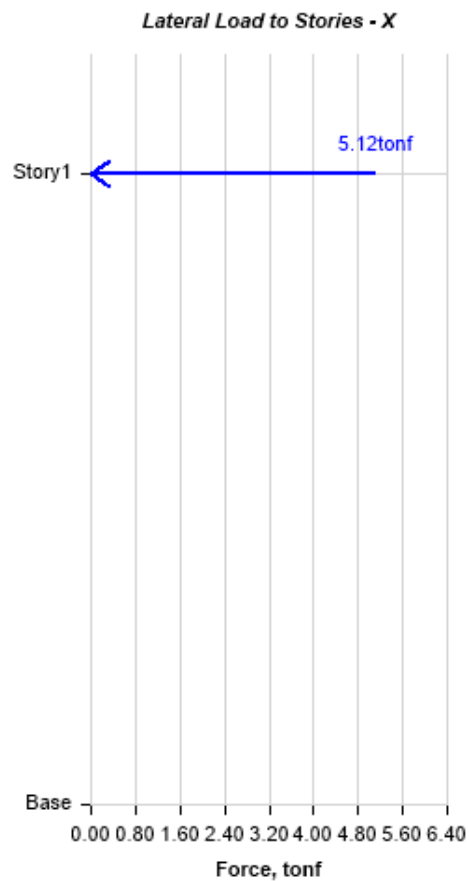
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	56881.54	5.12

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	4.2	5.12	0
Base	0	0	0

User Coefficient Auto Seismic Load Calculation

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

Direction and Eccentricity

Direction = Y + Eccentricity X

Eccentricity Ratio = 5% for all diaphragms

Factors and Coefficients

Equivalent Lateral Forces

Base Shear Coefficient, C

C = 0.09

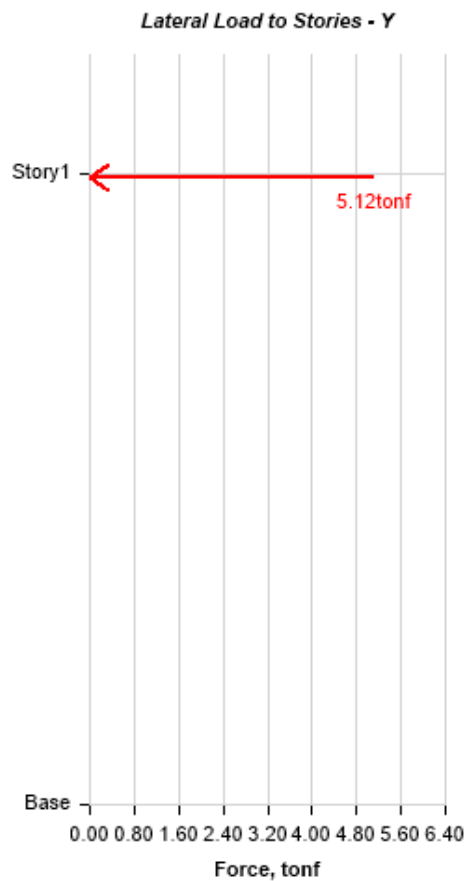
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	56881.54	5.12

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	4.2	0	5.12
Base	0	0	0

Loads

2.3 Applied Loads

2.3.1 Area Loads

Table 2.6 - Area Load Assignments - Uniform

Story	Label	UniqueName	Load Pattern	Direction	Load kgf/m2
Story1	F1	1	L	Gravity	200
Story1	F3	3	L	Gravity	200
Story1	F11	7	L	Gravity	200
Story1	F12	8	L	Gravity	200
Story1	F13	9	L	Gravity	200
Story1	F18	10	L	Gravity	200
Story1	F19	11	L	Gravity	200
Story1	F20	12	L	Gravity	200
Story1	F21	13	L	Gravity	200
Story1	F22	14	L	Gravity	200
Story1	F23	15	L	Gravity	200
Story1	F24	16	L	Gravity	200
Story1	F25	17	L	Gravity	200
Story1	F26	18	L	Gravity	200
Story1	F31	19	L	Gravity	200
Story1	F38	20	L	Gravity	200
Story1	F39	21	L	Gravity	200
Story1	F40	22	L	Gravity	200
Story1	F41	23	L	Gravity	200
Story1	F42	24	L	Gravity	200
Story1	F43	25	L	Gravity	200
Story1	F44	26	L	Gravity	200
Story1	F50	27	L	Gravity	200
Story1	F51	28	L	Gravity	200
Story1	F52	29	L	Gravity	200
Story1	F53	30	L	Gravity	200
Story1	F54	31	L	Gravity	200
Story1	F55	32	L	Gravity	200
Story1	F1	1	DS	Gravity	200
Story1	F3	3	DS	Gravity	200
Story1	F11	7	DS	Gravity	200
Story1	F12	8	DS	Gravity	200
Story1	F13	9	DS	Gravity	200
Story1	F18	10	DS	Gravity	200
Story1	F19	11	DS	Gravity	200
Story1	F20	12	DS	Gravity	200
Story1	F21	13	DS	Gravity	200
Story1	F22	14	DS	Gravity	200
Story1	F23	15	DS	Gravity	200
Story1	F24	16	DS	Gravity	200
Story1	F25	17	DS	Gravity	200
Story1	F26	18	DS	Gravity	200
Story1	F31	19	DS	Gravity	200
Story1	F38	20	DS	Gravity	200
Story1	F39	21	DS	Gravity	200
Story1	F40	22	DS	Gravity	200
Story1	F41	23	DS	Gravity	200
Story1	F42	24	DS	Gravity	200
Story1	F43	25	DS	Gravity	200
Story1	F44	26	DS	Gravity	200
Story1	F50	27	DS	Gravity	200
Story1	F51	28	DS	Gravity	200
Story1	F52	29	DS	Gravity	200
Story1	F53	30	DS	Gravity	200
Story1	F54	31	DS	Gravity	200

Loads

Story	Label	UniqueName	Load Pattern	Direction	Load kgf/m2
Story1	F55	32	DS	Gravity	200

2.4 Functions

2.4.1 Response Spectrum Functions

Table 2.7 - Functions - Response Spectrum - Columbia NSR-10

Name	Period sec	Value	Aa	Av	Ae	Ad	Group of Use	Fa	Fv	Damping Ratio
SAN DIEGO	0	0.5	0.1	0.1	0.05	0.03	3	1.6	2.4	0.05
SAN DIEGO	0.1	0.5								
SAN DIEGO	0.2	0.5								
SAN DIEGO	0.3	0.5								
SAN DIEGO	0.4	0.5								
SAN DIEGO	0.5	0.5								
SAN DIEGO	0.6	0.5								
SAN DIEGO	0.7	0.5								
SAN DIEGO	0.8	0.45								
SAN DIEGO	0.9	0.4								
SAN DIEGO	1	0.36								
SAN DIEGO	1.2	0.3								
SAN DIEGO	1.5	0.24								
SAN DIEGO	1.7	0.211765								
SAN DIEGO	2	0.18								
SAN DIEGO	2.5	0.144								
SAN DIEGO	3	0.12								
SAN DIEGO	3.5	0.102857								
SAN DIEGO	4	0.09								
SAN DIEGO	5	0.072								
SAN DIEGO	8	0.0324								
SAN DIEGO	11	0.017137								
SAN DIEGO	15	0.009216								

Table 2.8 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Damping Ratio
UMBRAL DE DAÑO	0	0.03	0.05
UMBRAL DE DAÑO	0.25	0.09	
UMBRAL DE DAÑO	1.5	0.09	
UMBRAL DE DAÑO	2.1	0.064	
UMBRAL DE DAÑO	2.3	0.059	
UMBRAL DE DAÑO	2.5	0.054	
UMBRAL DE DAÑO	3	0.045	
UMBRAL DE DAÑO	3.5	0.039	
UMBRAL DE DAÑO	4	0.034	
UMBRAL DE DAÑO	4.5	0.03	
UMBRAL DE DAÑO	5	0.027	
UMBRAL DE DAÑO	5.5	0.025	
UMBRAL DE DAÑO	6	0.023	
UMBRAL DE DAÑO	6.5	0.021	
UMBRAL DE DAÑO	7.2	0.019	

2.4.2 Time History Functions

Table 2.9 - Functions - Time History - User Defined

Name	Time sec	Value
RampTH	0	0

Loads

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

2.5 Load Cases

Table 2.10 - Load Case Definitions - Summary

Name	Type	Notes
Modal	Modal - Eigen	
Dead	Linear Static	
Live	Linear Static	
SX	Response Spectrum	
SY	Response Spectrum	
SXEST	Linear Static	
SYEST	Linear Static	
DS	Linear Static	
W1	Linear Static	
W2	Linear Static	
SX-UMBRAL	Response Spectrum	
SY-UMBRAL	Response Spectrum	
SX-UMBRAL-EST	Linear Static	
SY-UMBRAL-EST	Linear Static	

2.6 Load Combinations

Table 2.11 - Load Combination Definitions

Name	Type	Is Auto	Load Name	Mode	SF	Notes
CIM 0,6D	Linear Add	No	Dead		0.6	
CIM 0,6D			DS		0.6	
CIM 0,6D+0.7SX	Linear Add	No	Dead		0.6	
CIM 0,6D+0.7SX			SX		0.7	
CIM 0,6D+0.7SX			DS		0.6	
CIM 0,6D+0.7SY	Linear Add	No	Dead		0.6	
CIM 0,6D+0.7SY			SY		0.7	
CIM 0,6D+0.7SY			DS		0.6	
CIM 1.0D	Linear Add	No	Dead		1	
CIM 1.0D			DS		1	
CIM 1.0D+0.7SX	Linear Add	No	Dead		1	
CIM 1.0D+0.7SX			SX		0.7	
CIM 1.0D+0.7SX			DS		1	
CIM 1.0D+0.7SY	Linear Add	No	Dead		1	
CIM 1.0D+0.7SY			SY		0.7	
CIM 1.0D+0.7SY			DS		1	
CIM 1.0D+0.75L+0.5SX	Linear Add	No	Dead		1	
CIM 1.0D+0.75L+0.5SX			Live		0.75	
CIM 1.0D+0.75L+0.5SX			SX		0.5	
CIM 1.0D+0.75L+0.5SX			DS		1	
CIM 1.0D+0.75L+0.5SY	Linear Add	No	Dead		1	
CIM 1.0D+0.75L+0.5SY			Live		0.75	
CIM 1.0D+0.75L+0.5SY			SY		0.5	
CIM 1.0D+0.75L+0.5SY			DS		1	
CIM 1.0D+1.0L	Linear Add	No	Dead		1	
CIM 1.0D+1.0L			Live		1	
CIM 1.0D+1.0L			DS		1	
DES 0.6D+1.0SX	Linear Add	No	Dead		0.6	
DES 0.6D+1.0SX			SX		1	
DES 0.6D+1.0SX			DS		0.6	

Loads

Name	Type	Is Auto	Load Name	Mode	SF	Notes
DES 0.6D+1.0SY	Linear Add	No	Dead		0.6	
DES 0.6D+1.0SY			SY		1	
DES 0.6D+1.0SY			DS		0.6	
DES 1.0D+0.75L+0.75SX	Linear Add	No	Dead		1	
DES 1.0D+0.75L+0.75SX			Live		0.75	
DES 1.0D+0.75L+0.75SX			SX		0.75	
DES 1.0D+0.75L+0.75SX			DS		1	
DES 1.0D+0.75L+0.75SY	Linear Add	No	Dead		1	
DES 1.0D+0.75L+0.75SY			Live		0.75	
DES 1.0D+0.75L+0.75SY			SY		0.75	
DES 1.0D+0.75L+0.75SY			DS		1	
DES 1.0D+1.0SX	Linear Add	No	Dead		1	
DES 1.0D+1.0SX			SX		1	
DES 1.0D+1.0SX			DS		1	
DES 1.0D+1.0SY	Linear Add	No	Dead		1	
DES 1.0D+1.0SY			SY		1	
DES 1.0D+1.0SY			DS		1	
ELS 0.6D+0.7SX	Linear Add	No	Dead		0.6	
ELS 0.6D+0.7SX			SX		0.7	
ELS 0.6D+0.7SX			DS		0.6	
ELS 0.6D+0.7SY	Linear Add	No	Dead		0.6	
ELS 0.6D+0.7SY			SY		0.7	
ELS 0.6D+0.7SY			DS		0.6	
ELS 0.6D+1.0H	Linear Add	No	Dead		0.6	
ELS 0.6D+1.0H			DS		0.6	
ELS 0.6D+1.0H+0.7SX	Linear Add	No	Dead		0.6	
ELS 0.6D+1.0H+0.7SX			DS		0.6	
ELS 0.6D+1.0H+0.7SX			SX		0.7	
ELS 0.6D+1.0H+0.7SY	Linear Add	No	Dead		0.6	
ELS 0.6D+1.0H+0.7SY			DS		0.6	
ELS 0.6D+1.0H+0.7SY			SY		0.7	
ELS 0.6D+1.0W1	Linear Add	No	Dead		0.6	
ELS 0.6D+1.0W1			W1		1	
ELS 0.6D+1.0W1			DS		0.6	
ELS 0.6D+1.0W2	Linear Add	No	Dead		0.6	
ELS 0.6D+1.0W2			W2		1	
ELS 0.6D+1.0W2			DS		0.6	
ELS 1.0D	Linear Add	No	Dead		1	
ELS 1.0D			DS		1	
ELS 1.0D+0.7SX	Linear Add	No	Dead		1	
ELS 1.0D+0.7SX			SX		0.7	
ELS 1.0D+0.7SX			DS		1	
ELS 1.0D+0.7SY	Linear Add	No	Dead		1	
ELS 1.0D+0.7SY			SY		0.7	
ELS 1.0D+0.7SY			DS		1	
ELS 1.0D+0.75L	Linear Add	No	Dead		1	
ELS 1.0D+0.75L			Live		0.75	
ELS 1.0D+0.75L			DS		1	
ELS 1.0D+0.75L+0.525SX	Linear Add	No	Dead		1	
ELS 1.0D+0.75L+0.525SX			Live		0.75	
ELS 1.0D+0.75L+0.525SX			SX		0.525	
ELS 1.0D+0.75L+0.525SX			DS		1	
ELS 1.0D+0.75L+0.525SY	Linear Add	No	Dead		1	
ELS 1.0D+0.75L+0.525SY			Live		0.75	
ELS 1.0D+0.75L+0.525SY			SY		0.525	
ELS 1.0D+0.75L+0.525SY			DS		1	
ELS 1.0D+0.75W1+0.75L	Linear Add	No	Dead		1	
ELS 1.0D+0.75W1+0.75L			W1		0.75	
ELS 1.0D+0.75W1+0.75L			DS		1	
ELS 1.0D+0.75W1+0.75L			Live		0.75	

Loads

Name	Type	Is Auto	Load Name	Mode	SF	Notes
ELS 1.0D+0.75W2+0.75L	Linear Add	No	Dead		1	
ELS 1.0D+0.75W2+0.75L			W2		0.75	
ELS 1.0D+0.75W2+0.75L			DS		1	
ELS 1.0D+0.75W2+0.75L			Live		0.75	
ELS 1.0D+1.0H	Linear Add	No	Dead		1	
ELS 1.0D+1.0H			DS		1	
ELS 1.0D+1.0H+0.7SX	Linear Add	No	Dead		1	
ELS 1.0D+1.0H+0.7SX			DS		1	
ELS 1.0D+1.0H+0.7SX			SX		0.7	
ELS 1.0D+1.0H+0.7SY	Linear Add	No	Dead		1	
ELS 1.0D+1.0H+0.7SY			DS		1	
ELS 1.0D+1.0H+0.7SY			SY		0.7	
ELS 1.0D+1.0H+0.75L	Linear Add	No	Dead		1	
ELS 1.0D+1.0H+0.75L			DS		1	
ELS 1.0D+1.0H+0.75L			Live		0.75	
ELS 1.0D+1.0H+0.75L+0.525SX	Linear Add	No	Dead		1	
ELS 1.0D+1.0H+0.75L+0.525SX			DS		1	
ELS 1.0D+1.0H+0.75L+0.525SX			Live		0.75	
ELS 1.0D+1.0H+0.75L+0.525SX			SX		0.525	
ELS 1.0D+1.0H+0.75L+0.525SY	Linear Add	No	Dead		1	
ELS 1.0D+1.0H+0.75L+0.525SY			DS		1	
ELS 1.0D+1.0H+0.75L+0.525SY			Live		0.75	
ELS 1.0D+1.0H+0.75L+0.525SY			SY		0.525	
ELS 1.0D+1.0H+1.0L	Linear Add	No	Dead		1	
ELS 1.0D+1.0H+1.0L			DS		1	
ELS 1.0D+1.0H+1.0L			Live		1	
ELS 1.0D+1.0L	Linear Add	No	Dead		1	
ELS 1.0D+1.0L			Live		1	
ELS 1.0D+1.0L			DS		1	
ELS 1.0D+1.0W1	Linear Add	No	Dead		1	
ELS 1.0D+1.0W1			W1		1	
ELS 1.0D+1.0W1			DS		1	
ELS 1.0D+1.0W2	Linear Add	No	Dead		1	
ELS 1.0D+1.0W2			W2		1	
ELS 1.0D+1.0W2			DS		1	
ELU 0.9D	Linear Add	No	Dead		0.9	
ELU 0.9D			DS		0.9	
ELU 0.9D-1.0SX-0.3SY	Linear Add	No	Dead		0.9	
ELU 0.9D-1.0SX-0.3SY			SX		-1	
ELU 0.9D-1.0SX-0.3SY			SY		-0.3	
ELU 0.9D-1.0SX-0.3SY			DS		0.9	
ELU 0.9D-1.0SX+0.3SY	Linear Add	No	Dead		0.9	
ELU 0.9D-1.0SX+0.3SY			SX		-1	
ELU 0.9D-1.0SX+0.3SY			SY		0.3	
ELU 0.9D-1.0SX+0.3SY			DS		0.9	
ELU 0.9D-1.0SY-0.3SX	Linear Add	No	Dead		0.9	
ELU 0.9D-1.0SY-0.3SX			SY		-1	
ELU 0.9D-1.0SY-0.3SX			SX		-0.3	
ELU 0.9D-1.0SY-0.3SX			DS		0.9	
ELU 0.9D-1.0SY+0.3SX	Linear Add	No	Dead		0.9	
ELU 0.9D-1.0SY+0.3SX			SY		-1	
ELU 0.9D-1.0SY+0.3SX			SX		0.3	
ELU 0.9D-1.0SY+0.3SX			DS		0.9	
ELU 0.9D+1.0SX-0.3SY	Linear Add	No	Dead		0.9	
ELU 0.9D+1.0SX-0.3SY			SX		1	
ELU 0.9D+1.0SX-0.3SY			SY		-0.3	
ELU 0.9D+1.0SX-0.3SY			DS		0.9	
ELU 0.9D+1.0SX+0.3SY	Linear Add	No	Dead		0.9	
ELU 0.9D+1.0SX+0.3SY			SX		1	
ELU 0.9D+1.0SX+0.3SY			SY		0.3	

Loads

Name	Type	Is Auto	Load Name	Mode	SF	Notes
ELU 0.9D+1.0SX+0.3SY			DS		0.9	
ELU 0.9D+1.0SY-0.3SX	Linear Add	No	Dead		0.9	
ELU 0.9D+1.0SY-0.3SX			SY		1	
ELU 0.9D+1.0SY-0.3SX			SX		-0.3	
ELU 0.9D+1.0SY-0.3SX			DS		0.9	
ELU 0.9D+1.0SY+0.3SX	Linear Add	No	Dead		0.9	
ELU 0.9D+1.0SY+0.3SX			SY		1	
ELU 0.9D+1.0SY+0.3SX			SX		0.3	
ELU 0.9D+1.0SY+0.3SX			DS		0.9	
ELU 0.9D+1.6H	Linear Add	No	Dead		0.9	
ELU 0.9D+1.6H			DS		0.9	
ELU 0.9D+1.6H+1.0SX	Linear Add	No	Dead		0.9	
ELU 0.9D+1.6H+1.0SX			DS		0.9	
ELU 0.9D+1.6H+1.0SX			SX		1	
ELU 0.9D+1.6H+1.0SY	Linear Add	No	Dead		0.9	
ELU 0.9D+1.6H+1.0SY			DS		0.9	
ELU 0.9D+1.6H+1.0SY			SY		1	
ELU 0.9D+1.6W1	Linear Add	No	Dead		0.9	
ELU 0.9D+1.6W1			W1		1.6	
ELU 0.9D+1.6W1			DS		0.9	
ELU 0.9D+1.6W2	Linear Add	No	Dead		0.9	
ELU 0.9D+1.6W2			W2		1.6	
ELU 0.9D+1.6W2			DS		0.9	
ELU 1.2D+0.8W1	Linear Add	No	Dead		1.2	
ELU 1.2D+0.8W1			W1		0.8	
ELU 1.2D+0.8W1			DS		1.2	
ELU 1.2D+0.8W2	Linear Add	No	Dead		1.2	
ELU 1.2D+0.8W2			W2		0.8	
ELU 1.2D+0.8W2			DS		1.2	
ELU 1.2D+1.0L-1.0SX-0.3SY	Linear Add	No	Dead		1.2	
ELU 1.2D+1.0L-1.0SX-0.3SY			Live		1	
ELU 1.2D+1.0L-1.0SX-0.3SY			SX		-1	
ELU 1.2D+1.0L-1.0SX-0.3SY			SY		-0.3	
ELU 1.2D+1.0L-1.0SX-0.3SY			DS		1.2	
ELU 1.2D+1.0L-1.0SX+0.3SY	Linear Add	No	Dead		1.2	
ELU 1.2D+1.0L-1.0SX+0.3SY			Live		1	
ELU 1.2D+1.0L-1.0SX+0.3SY			SX		-1	
ELU 1.2D+1.0L-1.0SX+0.3SY			SY		0.3	
ELU 1.2D+1.0L-1.0SX+0.3SY			DS		1.2	
ELU 1.2D+1.0L-1.0SY-0.3SX	Linear Add	No	Dead		1.2	
ELU 1.2D+1.0L-1.0SY-0.3SX			Live		1	
ELU 1.2D+1.0L-1.0SY-0.3SX			SY		-1	
ELU 1.2D+1.0L-1.0SY-0.3SX			SX		-0.3	
ELU 1.2D+1.0L-1.0SY-0.3SX			DS		1.2	
ELU 1.2D+1.0L-1.0SY+0.3SX	Linear Add	No	Dead		1.2	
ELU 1.2D+1.0L-1.0SY+0.3SX			Live		1	
ELU 1.2D+1.0L-1.0SY+0.3SX			SY		-1	
ELU 1.2D+1.0L-1.0SY+0.3SX			SX		0.3	
ELU 1.2D+1.0L-1.0SY+0.3SX			DS		1.2	
ELU 1.2D+1.0L+1.0SX-0.3SY	Linear Add	No	Dead		1.2	
ELU 1.2D+1.0L+1.0SX-0.3SY			Live		1	
ELU 1.2D+1.0L+1.0SX-0.3SY			SX		1	
ELU 1.2D+1.0L+1.0SX-0.3SY			SY		-0.3	
ELU 1.2D+1.0L+1.0SX-0.3SY			DS		1.2	
ELU 1.2D+1.0L+1.0SX+0.3SY	Linear Add	No	Dead		1.2	
ELU 1.2D+1.0L+1.0SX+0.3SY			Live		1	
ELU 1.2D+1.0L+1.0SX+0.3SY			SX		1	
ELU 1.2D+1.0L+1.0SX+0.3SY			SY		0.3	
ELU 1.2D+1.0L+1.0SX+0.3SY			DS		1.2	
ELU 1.2D+1.0L+1.0SY-0.3SX	Linear Add	No	Dead		1.2	

Loads

Name	Type	Is Auto	Load Name	Mode	SF	Notes
ELU 1.2D+1.0L+1.0SY-0.3SX			Live		1	
ELU 1.2D+1.0L+1.0SY-0.3SX			SY		1	
ELU 1.2D+1.0L+1.0SY-0.3SX			SX		-0.3	
ELU 1.2D+1.0L+1.0SY-0.3SX			DS		1.2	
ELU 1.2D+1.0L+1.0SY+0.3SX	Linear Add	No	Dead		1.2	
ELU 1.2D+1.0L+1.0SY+0.3SX			Live		1	
ELU 1.2D+1.0L+1.0SY+0.3SX			SY		1	
ELU 1.2D+1.0L+1.0SY+0.3SX			SX		0.3	
ELU 1.2D+1.0L+1.0SY+0.3SX			DS		1.2	
ELU 1.2D+1.6H	Linear Add	No	Dead		1.2	
ELU 1.2D+1.6H			DS		1.2	
ELU 1.2D+1.6L	Linear Add	No	Dead		1.2	
ELU 1.2D+1.6L			Live		1.6	
ELU 1.2D+1.6L			DS		1.2	
ELU 1.2D+1.6W1+1.0L	Linear Add	No	Dead		1.2	
ELU 1.2D+1.6W1+1.0L			W1		1.6	
ELU 1.2D+1.6W1+1.0L			DS		1.2	
ELU 1.2D+1.6W1+1.0L			Live		1	
ELU 1.2D+1.6W2+1.0L	Linear Add	No	Dead		1.2	
ELU 1.2D+1.6W2+1.0L			W2		1.6	
ELU 1.2D+1.6W2+1.0L			DS		1.2	
ELU 1.2D+1.6W2+1.0L			Live		1	
ELU 1.4D	Linear Add	No	Dead		1.4	
ELU 1.4D			DS		1.4	

3 Analysis Results

This chapter provides analysis results.

3.1 Structure Results

Table 3.1 - Base Reactions (Part 1 of 2)

Output Case	Case Type	Step Type	Step Number	Step Label	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m
Dead	LinStatic				0	0	46.37	141.43	-150.88
Live	LinStatic				0	0	12.28	37.46	-42.07
SX	LinRespSpec	Max			6.21	0	0	0	26.09
SY	LinRespSpec	Max			0	7.11	0	29.85	0
SXEST	LinStatic				-29.58	0	0	0	-124.23
SYEST	LinStatic				0	-29.58	0	124.23	0
DS	LinStatic				0	0	12.28	37.46	-42.07
W1	LinStatic				0	0	0	0	0
W2	LinStatic				0	0	0	0	0
SX-UMBRAL	LinRespSpec	Max			4.81	0	0	0	20.2
SY-UMBRAL	LinRespSpec	Max			0	4.8	0	20.15	0
SX-UMBRAL-EST	LinStatic				-5.32	0	0	0	-22.36
SY-UMBRAL-EST	LinStatic				0	-5.32	0	22.36	0
ELS 1.0D	Combination				0	0	58.65	178.9	-192.95
ELS 1.0D+1.0L	Combination				0	0	70.94	216.36	-235.02
ELS 1.0D+0.75L	Combination				0	0	67.87	206.99	-224.5
ELS 1.0D+0.7SX	Combination	Max			4.35	0	58.65	178.9	-174.69
ELS 1.0D+0.7SX	Combination	Min			-4.35	0	58.65	178.9	-211.22
ELS 1.0D+0.7SY	Combination	Max			0	4.97	58.65	199.79	-192.95
ELS 1.0D+0.7SY	Combination	Min			0	-4.97	58.65	158	-192.95
ELS 1.0D+0.75L+0.525SX	Combination	Max			3.26	0	67.87	206.99	-210.81
ELS 1.0D+0.75L+0.525SX	Combination	Min			-3.26	0	67.87	206.99	-238.2
ELS 1.0D+0.75L+0.525SY	Combination	Max			0	3.73	67.87	222.66	-224.5
ELS 1.0D+0.75L+0.525SY	Combination	Min			0	-3.73	67.87	191.33	-224.5
ELS 0.6D+0.7SX	Combination	Max			4.35	0	35.19	107.34	-97.51
ELS 0.6D+0.7SX	Combination	Min			-4.35	0	35.19	107.34	-134.04
ELS 0.6D+0.7SY	Combination	Max			0	4.97	35.19	128.23	-115.77
ELS 0.6D+0.7SY	Combination	Min			0	-4.97	35.19	86.45	-115.77
ELU 1.4D	Combination				0	0	82.12	250.46	-270.13
ELU 1.2D+1.6L	Combination				0	0	90.04	274.62	-298.85
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			6.21	2.13	82.67	261.09	-247.52
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			-6.21	-2.13	82.67	243.19	-299.71
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			1.86	7.11	82.67	281.99	-265.78
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			-1.86	-7.11	82.67	222.29	-281.44
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			6.21	2.13	82.67	261.09	-247.52
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			-6.21	-2.13	82.67	243.19	-299.71
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			1.86	7.11	82.67	281.99	-265.78
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			-1.86	-7.11	82.67	222.29	-281.44
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			6.21	2.13	82.67	261.09	-247.52
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			-6.21	-2.13	82.67	243.19	-299.71
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			1.86	7.11	82.67	281.99	-265.78
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			-1.86	-7.11	82.67	222.29	-281.44
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			6.21	2.13	82.67	261.09	-247.52
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			-6.21	-2.13	82.67	243.19	-299.71
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			1.86	7.11	82.67	281.99	-265.78
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			-1.86	-7.11	82.67	222.29	-281.44
ELU 0.9D	Combination				0	0	52.79	161.01	-173.66
ELU 0.9D+1.0SX+0.3SY	Combination	Max			6.21	2.13	52.79	169.96	-147.56
ELU 0.9D+1.0SX+0.3SY	Combination	Min			-6.21	-2.13	52.79	152.05	-199.75
ELU 0.9D+1.0SY+0.3SX	Combination	Max			1.86	7.11	52.79	190.85	-165.83
ELU 0.9D+1.0SY+0.3SX	Combination	Min			-1.86	-7.11	52.79	131.16	-181.49
ELU 0.9D+1.0SX-0.3SY	Combination	Max			6.21	2.13	52.79	169.96	-147.56
ELU 0.9D+1.0SX-0.3SY	Combination	Min			-6.21	-2.13	52.79	152.05	-199.75

Analysis Results

Output Case	Case Type	Step Type	Step Number	Step Label	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m
ELU 0.9D+1.0SY-0.3SX	Combination	Max			1.86	7.11	52.79	190.85	-165.83
ELU 0.9D+1.0SY-0.3SX	Combination	Min			-1.86	-7.11	52.79	131.16	-181.49
ELU 0.9D-1.0SX+0.3SY	Combination	Max			6.21	2.13	52.79	169.96	-147.56
ELU 0.9D-1.0SX+0.3SY	Combination	Min			-6.21	-2.13	52.79	152.05	-199.75
ELU 0.9D-1.0SY+0.3SX	Combination	Max			1.86	7.11	52.79	190.85	-165.83
ELU 0.9D-1.0SY+0.3SX	Combination	Min			-1.86	-7.11	52.79	131.16	-181.49
ELU 0.9D-1.0SX-0.3SY	Combination	Max			6.21	2.13	52.79	169.96	-147.56
ELU 0.9D-1.0SX-0.3SY	Combination	Min			-6.21	-2.13	52.79	152.05	-199.75
ELU 0.9D-1.0SY-0.3SX	Combination	Max			1.86	7.11	52.79	190.85	-165.83
ELU 0.9D-1.0SY-0.3SX	Combination	Min			-1.86	-7.11	52.79	131.16	-181.49
CIM 1.0D	Combination				0	0	58.65	178.9	-192.95
CIM 1.0D+1.0L	Combination				0	0	70.94	216.36	-235.02
CIM 0,6D	Combination				0	0	35.19	107.34	-115.77
CIM 0,6D+0.7SX	Combination	Max			4.35	0	35.19	107.34	-97.51
CIM 0,6D+0.7SX	Combination	Min			-4.35	0	35.19	107.34	-134.04
CIM 0,6D+0.7SY	Combination	Max			0	4.97	35.19	128.23	-115.77
CIM 0,6D+0.7SY	Combination	Min			0	-4.97	35.19	86.45	-115.77
CIM 1.0D+0.7SX	Combination	Max			4.35	0	58.65	178.9	-174.69
CIM 1.0D+0.7SX	Combination	Min			-4.35	0	58.65	178.9	-211.22
CIM 1.0D+0.7SY	Combination	Max			0	4.97	58.65	199.79	-192.95
CIM 1.0D+0.7SY	Combination	Min			0	-4.97	58.65	158	-192.95
CIM 1.0D+0.75L+0.5SX	Combination	Max			3.11	0	67.87	206.99	-211.46
CIM 1.0D+0.75L+0.5SX	Combination	Min			-3.11	0	67.87	206.99	-237.55
CIM 1.0D+0.75L+0.5SY	Combination	Max			0	3.55	67.87	221.92	-224.5
CIM 1.0D+0.75L+0.5SY	Combination	Min			0	-3.55	67.87	192.07	-224.5
DES 1.0D+1.0SX	Combination	Max			6.21	0	58.65	178.9	-166.86
DES 1.0D+1.0SX	Combination	Min			-6.21	0	58.65	178.9	-219.05
DES 1.0D+1.0SY	Combination	Max			0	7.11	58.65	208.74	-192.95
DES 1.0D+1.0SY	Combination	Min			0	-7.11	58.65	149.05	-192.95
DES 1.0D+0.75L+0.75SX	Combination	Max			4.66	0	67.87	206.99	-204.93
DES 1.0D+0.75L+0.75SX	Combination	Min			-4.66	0	67.87	206.99	-244.08
DES 1.0D+0.75L+0.75SY	Combination	Max			0	5.33	67.87	229.38	-224.5
DES 1.0D+0.75L+0.75SY	Combination	Min			0	-5.33	67.87	184.61	-224.5
DES 0.6D+1.0SX	Combination	Max			6.21	0	35.19	107.34	-89.68
DES 0.6D+1.0SX	Combination	Min			-6.21	0	35.19	107.34	-141.87
DES 0.6D+1.0SY	Combination	Max			0	7.11	35.19	137.18	-115.77
DES 0.6D+1.0SY	Combination	Min			0	-7.11	35.19	77.49	-115.77

Table 3.1 - Base Reactions (Part 2 of 2)

MZ tonf-m	X m	Y m	Z m
0	0	0	0
0	0	0	0
18.95	0	0	0
24.68	0	0	0
90.21	0	0	0
-97.61	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
14.67	0	0	0
16.66	0	0	0
16.24	0	0	0
-17.57	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
13.26	0	0	0
-13.26	0	0	0

Analysis Results

MZ tonf-m	X m	Y m	Z m
17.27	0	0	0
-17.27	0	0	0
9.95	0	0	0
-9.95	0	0	0
12.96	0	0	0
-12.96	0	0	0
13.26	0	0	0
-13.26	0	0	0
17.27	0	0	0
-17.27	0	0	0
0	0	0	0
0	0	0	0
26.35	0	0	0
-26.35	0	0	0
30.36	0	0	0
-30.36	0	0	0
26.35	0	0	0
-26.35	0	0	0
30.36	0	0	0
-30.36	0	0	0
26.35	0	0	0
-26.35	0	0	0
30.36	0	0	0
-30.36	0	0	0
26.35	0	0	0
-26.35	0	0	0
30.36	0	0	0
-30.36	0	0	0
0	0	0	0
26.35	0	0	0
-26.35	0	0	0
30.36	0	0	0
-30.36	0	0	0
26.35	0	0	0
-26.35	0	0	0
30.36	0	0	0
-30.36	0	0	0
26.35	0	0	0
-26.35	0	0	0
30.36	0	0	0
-30.36	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
13.26	0	0	0
-13.26	0	0	0
17.27	0	0	0
-17.27	0	0	0
13.26	0	0	0
-13.26	0	0	0
17.27	0	0	0
-17.27	0	0	0
9.47	0	0	0
-9.47	0	0	0
12.34	0	0	0
-12.34	0	0	0

Analysis Results

MZ tonf-m	X m	Y m	Z m
18.95	0	0	0
-18.95	0	0	0
24.68	0	0	0
-24.68	0	0	0
14.21	0	0	0
-14.21	0	0	0
18.51	0	0	0
-18.51	0	0	0
18.95	0	0	0
-18.95	0	0	0
24.68	0	0	0
-24.68	0	0	0

3.2 Story Results

Table 3.2 - Story Drifts (Part 1 of 2)

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/	Label
Story1	Dead	LinStatic				X	6.2E-05		10
Story1	Live	LinStatic				X	1.8E-05		10
Story1	SX	LinRespSpec	Max			X	0.000521		11
Story1	SY	LinRespSpec	Max			Y	0.000695		10
Story1	SXEST	LinStatic				X	0.002481		10
Story1	SYEST	LinStatic				Y	0.002801		11
Story1	DS	LinStatic				X	1.8E-05		10
Story1	SX-UMBRAL	LinRespSpec	Max			X	0.000403		11
Story1	SY-UMBRAL	LinRespSpec	Max			Y	0.000469		10
Story1	SX-UMBRAL-EST	LinStatic				X	0.000447		10
Story1	SY-UMBRAL-EST	LinStatic				Y	0.000504		11
Story1	ELS 1.0D	Combination				X	8E-05		10
Story1	ELS 1.0D+1.0L	Combination				X	9.8E-05		10
Story1	ELS 1.0D+0.75L	Combination				X	9.4E-05		10
Story1	ELS 1.0D+0.7SX	Combination	Max			X	0.000285		8
Story1	ELS 1.0D+0.7SX	Combination	Min			X	0.000445		11
Story1	ELS 1.0D+0.7SY	Combination	Max			X	5.7E-05		10
Story1	ELS 1.0D+0.7SY	Combination	Max			Y	0.000488		10
Story1	ELS 1.0D+0.7SY	Combination	Min			X	0.000103		11
Story1	ELS 1.0D+0.7SY	Combination	Min			Y	0.000488		11
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Max			X	0.000181		8
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Min			X	0.000367		11
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Max			X	7.6E-05		10
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Max			Y	0.000366		10
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Min			X	0.000111		11
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Min			Y	0.000366		11
Story1	ELS 0.6D+0.7SX	Combination	Max			X	0.000317		8
Story1	ELS 0.6D+0.7SX	Combination	Min			X	0.000413		11
Story1	ELS 0.6D+0.7SY	Combination	Max			Y	0.000487		10
Story1	ELS 0.6D+0.7SY	Combination	Min			X	7.1E-05		11
Story1	ELS 0.6D+0.7SY	Combination	Min			Y	0.000487		11
Story1	ELU 1.4D	Combination				X	0.000112		10
Story1	ELU 1.2D+1.6L	Combination				X	0.000125		10
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			X	0.000418		8
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			Y	0.000211		10
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			X	0.000645		11
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			Y	0.000211		11
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			X	7.7E-05		8
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			Y	0.000697		10
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			X	0.000303		11
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			Y	0.000697		11

Analysis Results

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/	Label
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			X	0.000418		8
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			Y	0.000211		10
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			X	0.000645		11
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			Y	0.000211		11
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			X	7.7E-05		8
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			Y	0.000697		10
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			X	0.000303		11
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			Y	0.000697		11
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			X	0.000418		8
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			Y	0.000211		10
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			X	0.000645		11
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			Y	0.000211		11
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			X	7.7E-05		8
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			Y	0.000697		10
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			X	0.000303		11
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			Y	0.000697		11
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			X	0.000418		8
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			Y	0.000211		10
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			X	0.000645		11
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			Y	0.000211		11
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			X	7.7E-05		8
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			Y	0.000697		10
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			X	0.000303		11
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			Y	0.000697		11
Story1	ELU 0.9D	Combination				X	7.2E-05		10
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			X	0.00046		8
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			Y	0.00021		10
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			X	0.000603		11
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			Y	0.00021		11
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			X	0.000118		8
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			Y	0.000696		10
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			X	0.000261		11
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			Y	0.000696		11
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			X	0.00046		8
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			Y	0.00021		10
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			X	0.000603		11
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			Y	0.00021		11
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			X	0.000118		8
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			Y	0.000696		10
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			X	0.000261		11
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			Y	0.000696		11
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			X	0.00046		8
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			Y	0.00021		10
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			X	0.000603		11
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			Y	0.00021		11
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			X	0.000118		8
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			Y	0.000696		10
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			X	0.000261		11
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			Y	0.000696		11
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			X	0.00046		8
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			Y	0.00021		10
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			X	0.000603		11
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			Y	0.00021		11
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			X	0.000118		8
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			Y	0.000696		10
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			X	0.000261		11
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			Y	0.000696		11
Story1	CIM 1.0D	Combination				X	8E-05		10
Story1	CIM 1.0D+1.0L	Combination				X	9.8E-05		10
Story1	CIM 0.6D	Combination				X	4.8E-05		10

Analysis Results

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/	Label
Story1	CIM 0.6D+0.7SX	Combination	Max			X	0.000317		8
Story1	CIM 0.6D+0.7SX	Combination	Min			X	0.000413		11
Story1	CIM 0.6D+0.7SY	Combination	Max			Y	0.000487		10
Story1	CIM 0.6D+0.7SY	Combination	Min			X	7.1E-05		11
Story1	CIM 0.6D+0.7SY	Combination	Min			Y	0.000487		11
Story1	CIM 1.0D+0.7SX	Combination	Max			X	0.000285		8
Story1	CIM 1.0D+0.7SX	Combination	Min			X	0.000445		11
Story1	CIM 1.0D+0.7SY	Combination	Max			X	5.7E-05		10
Story1	CIM 1.0D+0.7SY	Combination	Max			Y	0.000488		10
Story1	CIM 1.0D+0.7SY	Combination	Min			X	0.000103		11
Story1	CIM 1.0D+0.7SY	Combination	Min			Y	0.000488		11
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Max			X	0.000168		8
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Min			X	0.000354		11
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Max			X	7.7E-05		10
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Max			Y	0.000349		10
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Min			X	0.00011		11
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Min			Y	0.000349		11
Story1	DES 1.0D+1.0SX	Combination	Max			X	0.000442		8
Story1	DES 1.0D+1.0SX	Combination	Min			X	0.000601		11
Story1	DES 1.0D+1.0SY	Combination	Max			Y	0.000696		10
Story1	DES 1.0D+1.0SY	Combination	Min			X	0.000113		11
Story1	DES 1.0D+1.0SY	Combination	Min			Y	0.000696		11
Story1	DES 1.0D+0.75L+0.75SX	Combination	Max			X	0.000298		8
Story1	DES 1.0D+0.75L+0.75SX	Combination	Min			X	0.000484		11
Story1	DES 1.0D+0.75L+0.75SY	Combination	Max			X	6.9E-05		10
Story1	DES 1.0D+0.75L+0.75SY	Combination	Max			Y	0.000523		10
Story1	DES 1.0D+0.75L+0.75SY	Combination	Min			X	0.000118		11
Story1	DES 1.0D+0.75L+0.75SY	Combination	Min			Y	0.000523		11
Story1	DES 0.6D+1.0SX	Combination	Max			X	0.000473		8
Story1	DES 0.6D+1.0SX	Combination	Min			X	0.000569		11
Story1	DES 0.6D+1.0SY	Combination	Max			Y	0.000696		10
Story1	DES 0.6D+1.0SY	Combination	Min			X	8.1E-05		11
Story1	DES 0.6D+1.0SY	Combination	Min			Y	0.000696		11

Table 3.2 - Story Drifts (Part 2 of 2)

Story	X m	Y m	Z m
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2

Analysis Results

[illegible]

Analysis Results

Story	X m	Y m	Z m
Story1	2.53	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	2.53	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	0	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2
Story1	7.25	6.1	4.2

Table 3.3 - Story Forces (Part 1 of 2)

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf	VY tonf
Story1	Top	Dead	LinStatic				36.68	0	0
Story1	Bottom	Dead	LinStatic				46.37	0	0
Story1	Top	Live	LinStatic				12.28	0	0

Analysis Results

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf	VY tonf
Story1	Bottom	Live	LinStatic				12.28	0	0
Story1	Top	SX	LinRespSpec	Max			0	6.21	0
Story1	Bottom	SX	LinRespSpec	Max			0	6.21	0
Story1	Top	SY	LinRespSpec	Max			0	0	7.11
Story1	Bottom	SY	LinRespSpec	Max			0	0	7.11
Story1	Top	SXEST	LinStatic				0	-29.58	0
Story1	Bottom	SXEST	LinStatic				0	-29.58	0
Story1	Top	SYEST	LinStatic				0	0	-29.58
Story1	Bottom	SYEST	LinStatic				0	0	-29.58
Story1	Top	DS	LinStatic				12.28	0	0
Story1	Bottom	DS	LinStatic				12.28	0	0
Story1	Top	W1	LinStatic				0	0	0
Story1	Bottom	W1	LinStatic				0	0	0
Story1	Top	W2	LinStatic				0	0	0
Story1	Bottom	W2	LinStatic				0	0	0
Story1	Top	SX-UMBRAL	LinRespSpec	Max			0	4.81	0
Story1	Bottom	SX-UMBRAL	LinRespSpec	Max			0	4.81	0
Story1	Top	SY-UMBRAL	LinRespSpec	Max			0	0	4.8
Story1	Bottom	SY-UMBRAL	LinRespSpec	Max			0	0	4.8
Story1	Top	SX-UMBRAL-EST	LinStatic				0	-5.32	0
Story1	Bottom	SX-UMBRAL-EST	LinStatic				0	-5.32	0
Story1	Top	SY-UMBRAL-EST	LinStatic				0	0	-5.32
Story1	Bottom	SY-UMBRAL-EST	LinStatic				0	0	-5.32
Story1	Top	ELS 1.0D	Combination				48.97	0	0
Story1	Bottom	ELS 1.0D	Combination				58.65	0	0
Story1	Top	ELS 1.0D+1.0L	Combination				61.25	0	0
Story1	Bottom	ELS 1.0D+1.0L	Combination				70.94	0	0
Story1	Top	ELS 1.0D+0.75L	Combination				58.18	0	0
Story1	Bottom	ELS 1.0D+0.75L	Combination				67.87	0	0
Story1	Top	ELS 1.0D+0.7SX	Combination	Max			48.97	4.35	0
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Max			58.65	4.35	0
Story1	Top	ELS 1.0D+0.7SX	Combination	Min			48.97	-4.35	0
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Min			58.65	-4.35	0
Story1	Top	ELS 1.0D+0.7SY	Combination	Max			48.97	0	4.97
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Max			58.65	0	4.97
Story1	Top	ELS 1.0D+0.7SY	Combination	Min			48.97	0	-4.97
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Min			58.65	0	-4.97
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Max			58.18	3.26	0
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Max			67.87	3.26	0
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Min			58.18	-3.26	0
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Min			67.87	-3.26	0
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Max			58.18	0	3.73
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Max			67.87	0	3.73
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Min			58.18	0	-3.73
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Min			67.87	0	-3.73
Story1	Top	ELS 0.6D+0.7SX	Combination	Max			29.38	4.35	0
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Max			35.19	4.35	0
Story1	Top	ELS 0.6D+0.7SX	Combination	Min			29.38	-4.35	0
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Min			35.19	-4.35	0
Story1	Top	ELS 0.6D+0.7SY	Combination	Max			29.38	0	4.97
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Max			35.19	0	4.97
Story1	Top	ELS 0.6D+0.7SY	Combination	Min			29.38	0	-4.97
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Min			35.19	0	-4.97
Story1	Top	ELU 1.4D	Combination				68.55	0	0
Story1	Bottom	ELU 1.4D	Combination				82.12	0	0
Story1	Top	ELU 1.2D+1.6L	Combination				78.41	0	0
Story1	Bottom	ELU 1.2D+1.6L	Combination				90.04	0	0
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			71.04	6.21	2.13
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			82.67	6.21	2.13
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			71.04	-6.21	-2.13

Analysis Results

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf	VY tonf
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			82.67	-6.21	-2.13
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			71.04	1.86	7.11
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			82.67	1.86	7.11
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			71.04	-1.86	-7.11
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			82.67	-1.86	-7.11
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			71.04	6.21	2.13
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			82.67	6.21	2.13
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			71.04	-6.21	-2.13
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			82.67	-6.21	-2.13
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			71.04	1.86	7.11
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			82.67	1.86	7.11
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			71.04	-1.86	-7.11
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			82.67	-1.86	-7.11
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			71.04	6.21	2.13
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			82.67	6.21	2.13
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			71.04	-6.21	-2.13
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			82.67	-6.21	-2.13
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			71.04	1.86	7.11
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			82.67	1.86	7.11
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			71.04	-1.86	-7.11
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			82.67	-1.86	-7.11
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			71.04	6.21	2.13
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			82.67	6.21	2.13
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			71.04	-6.21	-2.13
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			82.67	-6.21	-2.13
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			71.04	1.86	7.11
Story1	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			82.67	1.86	7.11
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			71.04	-1.86	-7.11
Story1	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			82.67	-1.86	-7.11
Story1	Top	ELU 0.9D	Combination				44.07	0	0
Story1	Bottom	ELU 0.9D	Combination				52.79	0	0
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Max			44.07	6.21	2.13
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Max			52.79	6.21	2.13
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Min			44.07	-6.21	-2.13
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Min			52.79	-6.21	-2.13
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Max			44.07	1.86	7.11
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Max			52.79	1.86	7.11
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Min			44.07	-1.86	-7.11
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Min			52.79	-1.86	-7.11
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Max			44.07	6.21	2.13
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Max			52.79	6.21	2.13
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Min			44.07	-6.21	-2.13
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Min			52.79	-6.21	-2.13
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Max			44.07	1.86	7.11
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Max			52.79	1.86	7.11
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Min			44.07	-1.86	-7.11
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Min			52.79	-1.86	-7.11
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Max			44.07	6.21	2.13
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Max			52.79	6.21	2.13
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Min			44.07	-6.21	-2.13
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Min			52.79	-6.21	-2.13
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Max			44.07	1.86	7.11
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Max			52.79	1.86	7.11
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Min			44.07	-1.86	-7.11
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Min			52.79	-1.86	-7.11
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			44.07	6.21	2.13
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			52.79	6.21	2.13
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			44.07	-6.21	-2.13
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Min			52.79	-6.21	-2.13
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			44.07	1.86	7.11
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			52.79	1.86	7.11
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			44.07	-1.86	-7.11
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			52.79	-1.86	-7.11
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			44.07	6.21	2.13
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			52.79	6.21	2.13
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			44.07	-6.21	-2.13
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Min			52.79	-6.21	-2.13
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			44.07	1.86	7.11

Analysis Results

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf	VY tonf
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			52.79	1.86	7.11
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			44.07	-1.86	-7.11
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			52.79	-1.86	-7.11
Story1	Top	CIM 1.0D	Combination				48.97	0	0
Story1	Bottom	CIM 1.0D	Combination				58.65	0	0
Story1	Top	CIM 1.0D+1.0L	Combination				61.25	0	0
Story1	Bottom	CIM 1.0D+1.0L	Combination				70.94	0	0
Story1	Top	CIM 0,6D	Combination				29.38	0	0
Story1	Bottom	CIM 0,6D	Combination				35.19	0	0
Story1	Top	CIM 0,6D+0.7SX	Combination	Max			29.38	4.35	0
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Max			35.19	4.35	0
Story1	Top	CIM 0,6D+0.7SX	Combination	Min			29.38	-4.35	0
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Min			35.19	-4.35	0
Story1	Top	CIM 0,6D+0.7SY	Combination	Max			29.38	0	4.97
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Max			35.19	0	4.97
Story1	Top	CIM 0,6D+0.7SY	Combination	Min			29.38	0	-4.97
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Min			35.19	0	-4.97
Story1	Top	CIM 1.0D+0.7SX	Combination	Max			48.97	4.35	0
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Max			58.65	4.35	0
Story1	Top	CIM 1.0D+0.7SX	Combination	Min			48.97	-4.35	0
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Min			58.65	-4.35	0
Story1	Top	CIM 1.0D+0.7SY	Combination	Max			48.97	0	4.97
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Max			58.65	0	4.97
Story1	Top	CIM 1.0D+0.7SY	Combination	Min			48.97	0	-4.97
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Min			58.65	0	-4.97
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Max			58.18	3.11	0
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Max			67.87	3.11	0
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Min			58.18	-3.11	0
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Min			67.87	-3.11	0
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Max			58.18	0	3.55
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Max			67.87	0	3.55
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Min			58.18	0	-3.55
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Min			67.87	0	-3.55
Story1	Top	DES 1.0D+1.0SX	Combination	Max			48.97	6.21	0
Story1	Bottom	DES 1.0D+1.0SX	Combination	Max			58.65	6.21	0
Story1	Top	DES 1.0D+1.0SX	Combination	Min			48.97	-6.21	0
Story1	Bottom	DES 1.0D+1.0SX	Combination	Min			58.65	-6.21	0
Story1	Top	DES 1.0D+1.0SY	Combination	Max			48.97	0	7.11
Story1	Bottom	DES 1.0D+1.0SY	Combination	Max			58.65	0	7.11
Story1	Top	DES 1.0D+1.0SY	Combination	Min			48.97	0	-7.11
Story1	Bottom	DES 1.0D+1.0SY	Combination	Min			58.65	0	-7.11
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Max			58.18	4.66	0
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Max			67.87	4.66	0
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Min			58.18	-4.66	0
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Min			67.87	-4.66	0
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Max			58.18	0	5.33
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Max			67.87	0	5.33
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Min			58.18	0	-5.33
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Min			67.87	0	-5.33
Story1	Top	DES 0.6D+1.0SX	Combination	Max			29.38	6.21	0
Story1	Bottom	DES 0.6D+1.0SX	Combination	Max			35.19	6.21	0
Story1	Top	DES 0.6D+1.0SX	Combination	Min			29.38	-6.21	0
Story1	Bottom	DES 0.6D+1.0SX	Combination	Min			35.19	-6.21	0
Story1	Top	DES 0.6D+1.0SY	Combination	Max			29.38	0	7.11
Story1	Bottom	DES 0.6D+1.0SY	Combination	Max			35.19	0	7.11
Story1	Top	DES 0.6D+1.0SY	Combination	Min			29.38	0	-7.11
Story1	Bottom	DES 0.6D+1.0SY	Combination	Min			35.19	0	-7.11

Table 3.3 - Story Forces (Part 2 of 2)

Analysis Results

Story	Location	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	111.89	-119.3
Story1	Bottom	0	141.43	-150.88
Story1	Top	0	37.46	-42.07
Story1	Bottom	0	37.46	-42.07
Story1	Top	18.95	0	0
Story1	Bottom	18.95	0	26.09
Story1	Top	24.68	0	0
Story1	Bottom	24.68	29.85	0
Story1	Top	90.21	0	0
Story1	Bottom	90.21	0	-124.23
Story1	Top	-97.61	0	0
Story1	Bottom	-97.61	124.23	0
Story1	Top	0	37.46	-42.07
Story1	Bottom	0	37.46	-42.07
Story1	Top	0	0	0
Story1	Bottom	0	0	0
Story1	Top	0	0	0
Story1	Bottom	0	0	0
Story1	Top	14.67	0	0
Story1	Bottom	14.67	0	20.2
Story1	Top	16.66	0	0
Story1	Bottom	16.66	20.15	0
Story1	Top	16.24	0	0
Story1	Bottom	16.24	0	-22.36
Story1	Top	-17.57	0	0
Story1	Bottom	-17.57	22.36	0
Story1	Top	0	149.35	-161.37
Story1	Bottom	0	178.9	-192.95
Story1	Top	0	186.81	-203.44
Story1	Bottom	0	216.36	-235.02
Story1	Top	0	177.45	-192.92
Story1	Bottom	0	206.99	-224.5
Story1	Top	13.26	149.35	-161.37
Story1	Bottom	13.26	178.9	-174.69
Story1	Top	-13.26	149.35	-161.37
Story1	Bottom	-13.26	178.9	-211.22
Story1	Top	17.27	149.35	-161.37
Story1	Bottom	17.27	199.79	-192.95
Story1	Top	-17.27	149.35	-161.37
Story1	Bottom	-17.27	158	-192.95
Story1	Top	9.95	177.45	-192.92
Story1	Bottom	9.95	206.99	-210.81
Story1	Top	-9.95	177.45	-192.92
Story1	Bottom	-9.95	206.99	-238.2
Story1	Top	12.96	177.45	-192.92
Story1	Bottom	12.96	222.66	-224.5
Story1	Top	-12.96	177.45	-192.92
Story1	Bottom	-12.96	191.33	-224.5
Story1	Top	13.26	89.61	-96.82
Story1	Bottom	13.26	107.34	-97.51
Story1	Top	-13.26	89.61	-96.82
Story1	Bottom	-13.26	107.34	-134.04
Story1	Top	17.27	89.61	-96.82
Story1	Bottom	17.27	128.23	-115.77
Story1	Top	-17.27	89.61	-96.82
Story1	Bottom	-17.27	86.45	-115.77
Story1	Top	0	209.09	-225.92
Story1	Bottom	0	250.46	-270.13
Story1	Top	0	239.16	-260.95
Story1	Bottom	0	274.62	-298.85

Analysis Results

Story	Location	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	26.35	216.68	-235.71
Story1	Bottom	26.35	261.09	-247.52
Story1	Top	-26.35	216.68	-235.71
Story1	Bottom	-26.35	243.19	-299.71
Story1	Top	30.36	216.68	-235.71
Story1	Bottom	30.36	281.99	-265.78
Story1	Top	-30.36	216.68	-235.71
Story1	Bottom	-30.36	222.29	-281.44
Story1	Top	26.35	216.68	-235.71
Story1	Bottom	26.35	261.09	-247.52
Story1	Top	-26.35	216.68	-235.71
Story1	Bottom	-26.35	243.19	-299.71
Story1	Top	30.36	216.68	-235.71
Story1	Bottom	30.36	281.99	-265.78
Story1	Top	-30.36	216.68	-235.71
Story1	Bottom	-30.36	222.29	-281.44
Story1	Top	26.35	216.68	-235.71
Story1	Bottom	26.35	261.09	-247.52
Story1	Top	-26.35	216.68	-235.71
Story1	Bottom	-26.35	243.19	-299.71
Story1	Top	30.36	216.68	-235.71
Story1	Bottom	30.36	281.99	-265.78
Story1	Top	-30.36	216.68	-235.71
Story1	Bottom	-30.36	222.29	-281.44
Story1	Top	26.35	216.68	-235.71
Story1	Bottom	26.35	261.09	-247.52
Story1	Top	-26.35	216.68	-235.71
Story1	Bottom	-26.35	243.19	-299.71
Story1	Top	30.36	216.68	-235.71
Story1	Bottom	30.36	281.99	-265.78
Story1	Top	-30.36	216.68	-235.71
Story1	Bottom	-30.36	222.29	-281.44
Story1	Top	26.35	216.68	-235.71
Story1	Bottom	26.35	261.09	-247.52
Story1	Top	-26.35	216.68	-235.71
Story1	Bottom	-26.35	243.19	-299.71
Story1	Top	30.36	216.68	-235.71
Story1	Bottom	30.36	281.99	-265.78
Story1	Top	-30.36	216.68	-235.71
Story1	Bottom	-30.36	222.29	-281.44
Story1	Top	0	134.41	-145.23
Story1	Bottom	0	161.01	-173.66
Story1	Top	26.35	134.41	-145.23
Story1	Bottom	26.35	169.96	-147.56
Story1	Top	-26.35	134.41	-145.23
Story1	Bottom	-26.35	152.05	-199.75
Story1	Top	30.36	134.41	-145.23
Story1	Bottom	30.36	190.85	-165.83
Story1	Top	-30.36	134.41	-145.23
Story1	Bottom	-30.36	131.16	-181.49
Story1	Top	26.35	134.41	-145.23
Story1	Bottom	26.35	169.96	-147.56
Story1	Top	-26.35	134.41	-145.23
Story1	Bottom	-26.35	152.05	-199.75
Story1	Top	30.36	134.41	-145.23
Story1	Bottom	30.36	190.85	-165.83
Story1	Top	-30.36	134.41	-145.23
Story1	Bottom	-30.36	131.16	-181.49
Story1	Top	26.35	134.41	-145.23
Story1	Bottom	26.35	169.96	-147.56
Story1	Top	-26.35	134.41	-145.23
Story1	Bottom	-26.35	152.05	-199.75
Story1	Top	30.36	134.41	-145.23
Story1	Bottom	30.36	190.85	-165.83
Story1	Top	-30.36	134.41	-145.23
Story1	Bottom	-30.36	131.16	-181.49
Story1	Top	26.35	134.41	-145.23
Story1	Bottom	26.35	169.96	-147.56

Analysis Results

Story	Location	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	-26.35	134.41	-145.23
Story1	Bottom	-26.35	152.05	-199.75
Story1	Top	30.36	134.41	-145.23
Story1	Bottom	30.36	190.85	-165.83
Story1	Top	-30.36	134.41	-145.23
Story1	Bottom	-30.36	131.16	-181.49
Story1	Top	0	149.35	-161.37
Story1	Bottom	0	178.9	-192.95
Story1	Top	0	186.81	-203.44
Story1	Bottom	0	216.36	-235.02
Story1	Top	0	89.61	-96.82
Story1	Bottom	0	107.34	-115.77
Story1	Top	13.26	89.61	-96.82
Story1	Bottom	13.26	107.34	-97.51
Story1	Top	-13.26	89.61	-96.82
Story1	Bottom	-13.26	107.34	-134.04
Story1	Top	17.27	89.61	-96.82
Story1	Bottom	17.27	128.23	-115.77
Story1	Top	-17.27	89.61	-96.82
Story1	Bottom	-17.27	86.45	-115.77
Story1	Top	13.26	149.35	-161.37
Story1	Bottom	13.26	178.9	-174.69
Story1	Top	-13.26	149.35	-161.37
Story1	Bottom	-13.26	178.9	-211.22
Story1	Top	17.27	149.35	-161.37
Story1	Bottom	17.27	199.79	-192.95
Story1	Top	-17.27	149.35	-161.37
Story1	Bottom	-17.27	158	-192.95
Story1	Top	9.47	177.45	-192.92
Story1	Bottom	9.47	206.99	-211.46
Story1	Top	-9.47	177.45	-192.92
Story1	Bottom	-9.47	206.99	-237.55
Story1	Top	12.34	177.45	-192.92
Story1	Bottom	12.34	221.92	-224.5
Story1	Top	-12.34	177.45	-192.92
Story1	Bottom	-12.34	192.07	-224.5
Story1	Top	18.95	149.35	-161.37
Story1	Bottom	18.95	178.9	-166.86
Story1	Top	-18.95	149.35	-161.37
Story1	Bottom	-18.95	178.9	-219.05
Story1	Top	24.68	149.35	-161.37
Story1	Bottom	24.68	208.74	-192.95
Story1	Top	-24.68	149.35	-161.37
Story1	Bottom	-24.68	149.05	-192.95
Story1	Top	14.21	177.45	-192.92
Story1	Bottom	14.21	206.99	-204.93
Story1	Top	-14.21	177.45	-192.92
Story1	Bottom	-14.21	206.99	-244.08
Story1	Top	18.51	177.45	-192.92
Story1	Bottom	18.51	229.38	-224.5
Story1	Top	-18.51	177.45	-192.92
Story1	Bottom	-18.51	184.61	-224.5
Story1	Top	18.95	89.61	-96.82
Story1	Bottom	18.95	107.34	-89.68
Story1	Top	-18.95	89.61	-96.82
Story1	Bottom	-18.95	107.34	-141.87
Story1	Top	24.68	89.61	-96.82
Story1	Bottom	24.68	137.18	-115.77
Story1	Top	-24.68	89.61	-96.82
Story1	Bottom	-24.68	77.49	-115.77

Analysis Results

3.3 Modal Results

Table 3.4 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	0.299	3.347	21.0304	442.2767
Modal	2	0.284	3.519	22.1135	489.0075
Modal	3	0.235	4.248	26.6913	712.4259
Modal	4	0.014	73.312	460.6315	212181.3865
Modal	5	0.013	75.764	476.0397	226613.7542
Modal	6	0.011	87.754	551.372	304011.1352
Modal	7	0.01	97.035	609.6908	371722.8466
Modal	8	0.01	100.732	632.9149	400581.2513
Modal	9	0.008	121.004	760.2887	578038.9626
Modal	10	0.008	124.908	784.8203	615942.8948
Modal	11	0.008	125.108	786.0766	617916.4391
Modal	12	0.007	136.475	857.4951	735297.8965
Modal	13	0.007	141.014	886.0168	785025.7791
Modal	14	0.007	142.845	897.5247	805550.571
Modal	15	0.006	163.247	1025.7103	1052081.5563
Modal	16	0.006	172.716	1085.2088	1177678.1594
Modal	17	0.006	172.883	1086.253	1179945.6524
Modal	18	0.006	175.445	1102.3521	1215180.2078
Modal	19	0.005	182.026	1143.7011	1308052.1168
Modal	20	0.005	189.472	1190.4878	1417261.2832
Modal	21	0.005	194.551	1222.397	1494254.4597
Modal	22	0.005	195.176	1226.3296	1503884.2996
Modal	23	0.005	196.832	1236.7323	1529506.8138
Modal	24	0.005	200.269	1258.3261	1583384.4724
Modal	25	0.005	203.069	1275.9231	1627979.8633
Modal	26	0.005	204.116	1282.4971	1644798.7522
Modal	27	0.005	214.491	1347.6844	1816253.2318
Modal	28	0.004	223.687	1405.4672	1975338.105
Modal	29	0.004	227.371	1428.6116	2040931.062
Modal	30	0.004	233.09	1464.5468	2144897.2643
Modal	31	0.004	237.042	1489.3761	2218241.2234
Modal	32	0.004	262.956	1652.2006	2729766.78
Modal	33	0.004	270.515	1699.6952	2888963.9097
Modal	34	0.004	281.374	1767.9248	3125558.0593
Modal	35	0.003	285.899	1796.3553	3226892.4225
Modal	36	0.003	303.95	1909.7762	3647245.1831
Modal	37	0.003	334.673	2102.8118	4421817.3696
Modal	38	0.003	338.699	2128.1086	4528846.0326
Modal	39	0.003	353.373	2220.3069	4929762.799
Modal	40	0.003	362.911	2280.2353	5199473.0686
Modal	41	0.003	378.201	2376.3092	5646845.3543
Modal	42	0.003	383.092	2407.037	5793827.1622
Modal	43	0.003	398.865	2506.1407	6280741.3744
Modal	44	0.002	409.135	2570.6729	6608359.3885
Modal	45	0.002	417.465	2623.0095	6880178.9287
Modal	46	0.002	441.143	2771.7841	7682787.1791
Modal	47	0.002	455.834	2864.0897	8203009.7831
Modal	48	0.002	470.919	2958.8737	8754933.3542
Modal	49	0.002	472.802	2970.7055	8825091.0084
Modal	50	0.002	484.94	3046.9672	9284009.294
Modal	51	0.002	491.056	3085.3978	9519679.7217
Modal	52	0.002	513.865	3228.7065	10424546
Modal	53	0.002	525.189	3299.8619	10889089
Modal	54	0.002	540.238	3394.413	11522039
Modal	55	0.002	544.521	3421.3277	11705483
Modal	56	0.002	560.212	3519.9132	12389789

Analysis Results

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	57	0.002	561.33	3526.9383	12439293
Modal	58	0.002	576.273	3620.8289	13110402
Modal	59	0.002	615.041	3864.4168	14933717
Modal	60	0.001	734.033	4612.0684	21271175

Table 3.5 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	1	0.299	0	0.997	0	0	0.997	0	0.997	0	0.0031
Modal	2	0.284	1	0	0	1	0.997	0	0	1	0
Modal	3	0.235	0	0.003	0	1	1	0	0.003	0	0.9969
Modal	4	0.014	0	0	0	1	1	0	0	0	0
Modal	5	0.013	0	0	0	1	1	0	0	0	0
Modal	6	0.011	1.297E-06	0	0	1	1	0	0	1.297E-06	0
Modal	7	0.01	0	0	0	1	1	0	0	0	0
Modal	8	0.01	0	0	0	1	1	0	0	0	0
Modal	9	0.008	0	0	0	1	1	0	0	0	0
Modal	10	0.008	0	0	0	1	1	0	0	0	0
Modal	11	0.008	0	0	0	1	1	0	0	0	0
Modal	12	0.007	0	0	0	1	1	0	0	0	0
Modal	13	0.007	0	0	0	1	1	0	0	0	0
Modal	14	0.007	0	0	0	1	1	0	0	0	0
Modal	15	0.006	0	0	0	1	1	0	0	0	0
Modal	16	0.006	0	0	0	1	1	0	0	0	0
Modal	17	0.006	0	0	0	1	1	0	0	0	0
Modal	18	0.006	0	0	0	1	1	0	0	0	0
Modal	19	0.005	0	0	0	1	1	0	0	0	0
Modal	20	0.005	0	0	0	1	1	0	0	0	0
Modal	21	0.005	0	0	0	1	1	0	0	0	0
Modal	22	0.005	0	0	0	1	1	0	0	0	0
Modal	23	0.005	0	0	0	1	1	0	0	0	0
Modal	24	0.005	0	0	0	1	1	0	0	0	0
Modal	25	0.005	0	0	0	1	1	0	0	0	0
Modal	26	0.005	0	0	0	1	1	0	0	0	0
Modal	27	0.005	0	0	0	1	1	0	0	0	0
Modal	28	0.004	0	0	0	1	1	0	0	0	0
Modal	29	0.004	0	0	0	1	1	0	0	0	0
Modal	30	0.004	0	0	0	1	1	0	0	0	0
Modal	31	0.004	0	0	0	1	1	0	0	0	0
Modal	32	0.004	0	0	0	1	1	0	0	0	0
Modal	33	0.004	0	0	0	1	1	0	0	0	0
Modal	34	0.004	0	0	0	1	1	0	0	0	0
Modal	35	0.003	0	0	0	1	1	0	0	0	0
Modal	36	0.003	0	0	0	1	1	0	0	0	0
Modal	37	0.003	0	0	0	1	1	0	0	0	0
Modal	38	0.003	0	0	0	1	1	0	0	0	0
Modal	39	0.003	0	0	0	1	1	0	0	0	0
Modal	40	0.003	0	0	0	1	1	0	0	0	0
Modal	41	0.003	0	0	0	1	1	0	0	0	0
Modal	42	0.003	0	0	0	1	1	0	0	0	0
Modal	43	0.003	0	0	0	1	1	0	0	0	0
Modal	44	0.002	0	0	0	1	1	0	0	0	0
Modal	45	0.002	0	0	0	1	1	0	0	0	0
Modal	46	0.002	0	0	0	1	1	0	0	0	0
Modal	47	0.002	0	0	0	1	1	0	0	0	0
Modal	48	0.002	0	0	0	1	1	0	0	0	0
Modal	49	0.002	0	0	0	1	1	0	0	0	0
Modal	50	0.002	0	0	0	1	1	0	0	0	0
Modal	51	0.002	0	0	0	1	1	0	0	0	0

Analysis Results

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	52	0.002	0	0	0	1	1	0	0	0	0
Modal	53	0.002	0	0	0	1	1	0	0	0	0
Modal	54	0.002	0	0	0	1	1	0	0	0	0
Modal	55	0.002	0	0	0	1	1	0	0	0	0
Modal	56	0.002	0	0	0	1	1	0	0	0	0
Modal	57	0.002	0	0	0	1	1	0	0	0	0
Modal	58	0.002	0	0	0	1	1	0	0	0	0
Modal	59	0.002	0	0	0	1	1	0	0	0	0
Modal	60	0.001	0	0	0	1	1	0	0	0	0

Table 3.5 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	SumRX	SumRY	SumRZ
Modal	1	0.997	0	0.0031
Modal	2	0.997	1	0.0031
Modal	3	1	1	1
Modal	4	1	1	1
Modal	5	1	1	1
Modal	6	1	1	1
Modal	7	1	1	1
Modal	8	1	1	1
Modal	9	1	1	1
Modal	10	1	1	1
Modal	11	1	1	1
Modal	12	1	1	1
Modal	13	1	1	1
Modal	14	1	1	1
Modal	15	1	1	1
Modal	16	1	1	1
Modal	17	1	1	1
Modal	18	1	1	1
Modal	19	1	1	1
Modal	20	1	1	1
Modal	21	1	1	1
Modal	22	1	1	1
Modal	23	1	1	1
Modal	24	1	1	1
Modal	25	1	1	1
Modal	26	1	1	1
Modal	27	1	1	1
Modal	28	1	1	1
Modal	29	1	1	1
Modal	30	1	1	1
Modal	31	1	1	1
Modal	32	1	1	1
Modal	33	1	1	1
Modal	34	1	1	1
Modal	35	1	1	1
Modal	36	1	1	1
Modal	37	1	1	1
Modal	38	1	1	1
Modal	39	1	1	1
Modal	40	1	1	1
Modal	41	1	1	1
Modal	42	1	1	1
Modal	43	1	1	1
Modal	44	1	1	1
Modal	45	1	1	1
Modal	46	1	1	1
Modal	47	1	1	1

Analysis Results

Case	Mode	SumRX	SumRY	SumRZ
Modal	48	1	1	1
Modal	49	1	1	1
Modal	50	1	1	1
Modal	51	1	1	1
Modal	52	1	1	1
Modal	53	1	1	1
Modal	54	1	1	1
Modal	55	1	1	1
Modal	56	1	1	1
Modal	57	1	1	1
Modal	58	1	1	1
Modal	59	1	1	1
Modal	60	1	1	1

Table 3.6 - Modal Load Participation Ratios

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

Table 3.7 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.299	0	0.997	0	0.003
Modal	2	0.284	1	0	0	0
Modal	3	0.235	0	0.003	0	0.997
Modal	4	0.014	0	0	0	1
Modal	5	0.013	0	0	0	1
Modal	6	0.011	1	0	0	0
Modal	7	0.01	1	0	0	0
Modal	8	0.01	1	0	0	0
Modal	9	0.008	0	0	0	1
Modal	10	0.008	0.988	0	0	0.012
Modal	11	0.008	1	0	0	0
Modal	12	0.007	0	0	0	1
Modal	13	0.007	1	0	0	0
Modal	14	0.007	0.996	0	0	0.004
Modal	15	0.006	0	0	0	1
Modal	16	0.006	0	0	0	1
Modal	17	0.006	0.997	0	0	0.003
Modal	18	0.006	0.999	0	0	0.001
Modal	19	0.005	0	0	0	1
Modal	20	0.005	0	0	0	1
Modal	21	0.005	0	0	0	1
Modal	22	0.005	0	0	0	1
Modal	23	0.005	1	0	0	0
Modal	24	0.005	0	0	0	1
Modal	25	0.005	0	0	0	1
Modal	26	0.005	1	0	0	0
Modal	27	0.005	0	0	0	1
Modal	28	0.004	1	0	0	0
Modal	29	0.004	0	0	0	1
Modal	30	0.004	0	0	0	1
Modal	31	0.004	0.949	0	0	0.051
Modal	32	0.004	0	0	0	1
Modal	33	0.004	0.991	0	0	0.009
Modal	34	0.004	0.991	0	0	0.009
Modal	35	0.003	0	0	0	1

Analysis Results

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	36	0.003	0.997	0	0	0.003
Modal	37	0.003	0.652	0	0	0.348
Modal	38	0.003	0	0	0	1
Modal	39	0.003	0	0	0	1
Modal	40	0.003	0.975	0	0	0.025
Modal	41	0.003	0	0	0	1
Modal	42	0.003	0.997	0	0	0.003
Modal	43	0.003	0.977	0	0	0.023
Modal	44	0.002	0.993	0	0	0.007
Modal	45	0.002	0	0	0	1
Modal	46	0.002	0.218	0	0	0.782
Modal	47	0.002	0	0	0	1
Modal	48	0.002	0.845	0	0	0.155
Modal	49	0.002	0	0	0	1
Modal	50	0.002	0	0	0	1
Modal	51	0.002	0.219	0	0	0.781
Modal	52	0.002	0	0	0	1
Modal	53	0.002	0.996	0	0	0.004
Modal	54	0.002	0.852	0	0	0.148
Modal	55	0.002	0	0	0	1
Modal	56	0.002	0.645	0	0	0.355
Modal	57	0.002	0	0	0	1
Modal	58	0.002	0.992	0	0	0.008
Modal	59	0.002	0	0	0	1
Modal	60	0.001	0.942	0	0	0.058