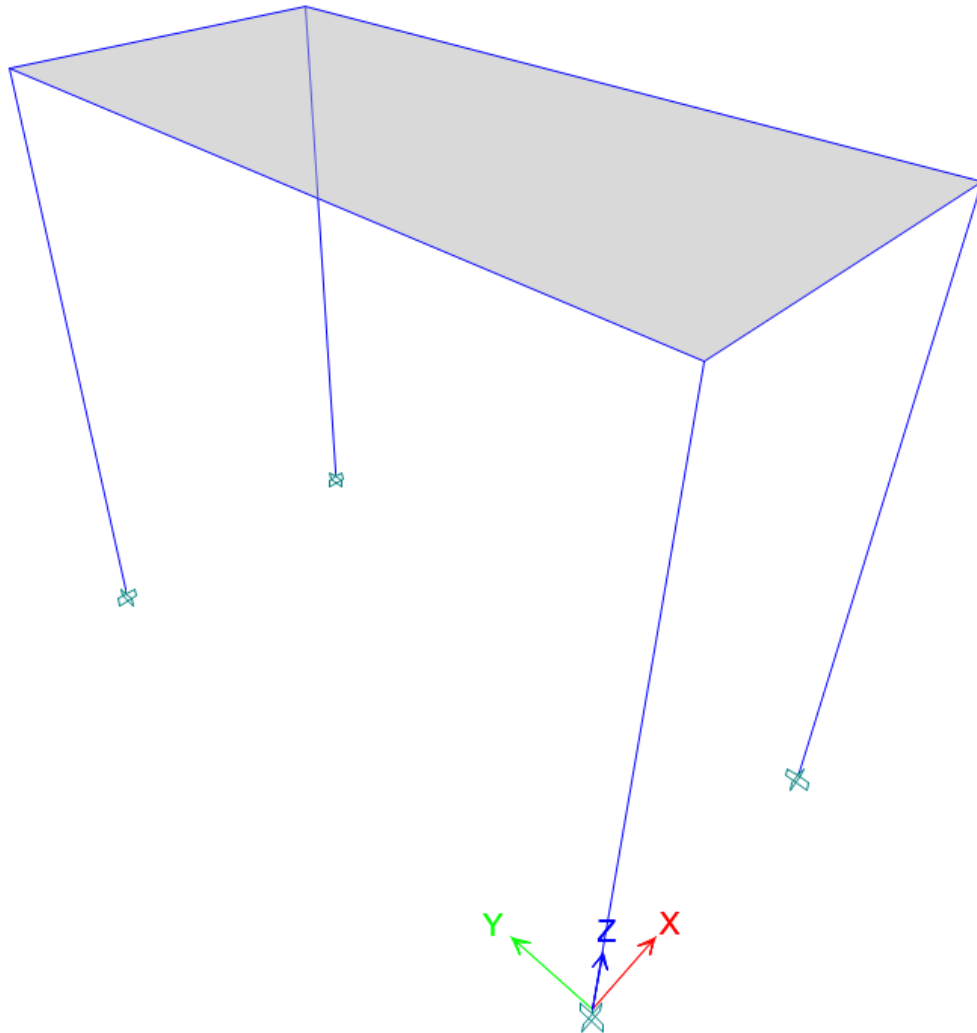




User Report 2

Model File: CUARTO ELECTRICO, Revision 0

Table of Contents

1. Assignments	4
1.1 Frame Assignments	4
1.2 Shell Assignments	4
2. Loads	5
2.1 Load Patterns	5
2.2 Auto Seismic Loading	5
2.3 Applied Loads	10
2.3.1 Area Loads	10
2.4 Functions	10
2.4.1 Response Spectrum Functions	10
2.4.2 Time History Functions	11
2.5 Load Cases	11
2.6 Load Combinations	11
3. Analysis Results	22
3.1 Structure Results	22
3.2 Story Results	25
3.3 Modal Results	38

List of Tables

Table 1.1 Frame Assignments - Summary	4
Table 1.2 Area Assignments - Summary	4
Table 2.1 Load Pattern Definitions	5
Table 2.6 Area Load Assignments - Uniform	10
Table 2.7 Functions - Response Spectrum - Columbia NSR-10	10
Table 2.8 Functions - Response Spectrum - User Defined	10
Table 2.9 Functions - Time History - User Defined	11
Table 2.10 Load Case Definitions - Summary	11
Table 2.11 Load Combination Definitions	11
Table 3.1 Base Reactions	22
Table 3.2 Story Drifts	25
Table 3.3 Story Forces	30
Table 3.4 Modal Periods And Frequencies	38
Table 3.5 Modal Participating Mass Ratios	38
Table 3.6 Modal Load Participation Ratios	39
Table 3.7 Modal Direction Factors	39

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
5	Story1	B1	Beam	3.747		V25X30	V25X30			11
6	Story1	B2	Beam	3.747		V25X30	V25X30			11
7	Story1	B3	Beam	1.766		V25X30	V25X30			11
8	Story1	B4	Beam	1.766		V25X30	V25X30			11
1	Story1	C1	Column	3.25		C25X25	C25X25			11
2	Story1	C2	Column	3.25		C25X25	C25X25			11
3	Story1	C3	Column	3.25		C25X25	C25X25			11
4	Story1	C4	Column	3.25		C25X25	C25X25			11

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
5									
6									
7									
8									
1									
2									
3									
4									

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					

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

UniqueName	Spandrel Story	Spring	Modifiers
1			

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 = 0.6

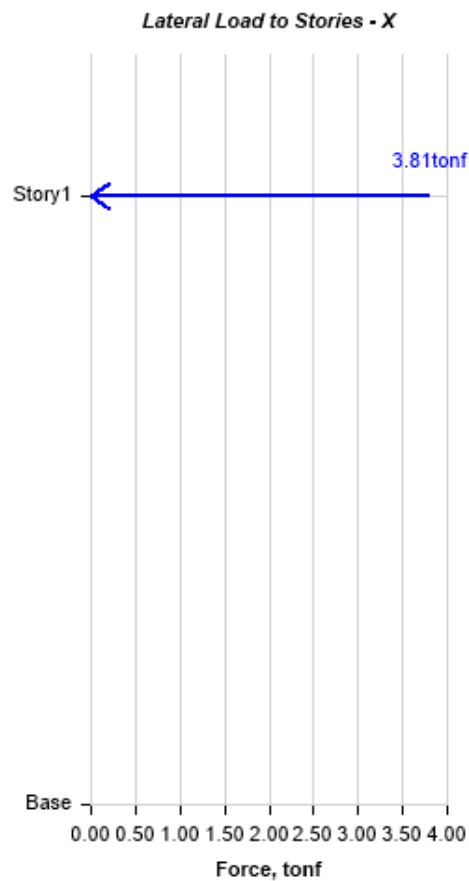
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	6345.14	3.81

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	3.25	3.81	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 = 0.6

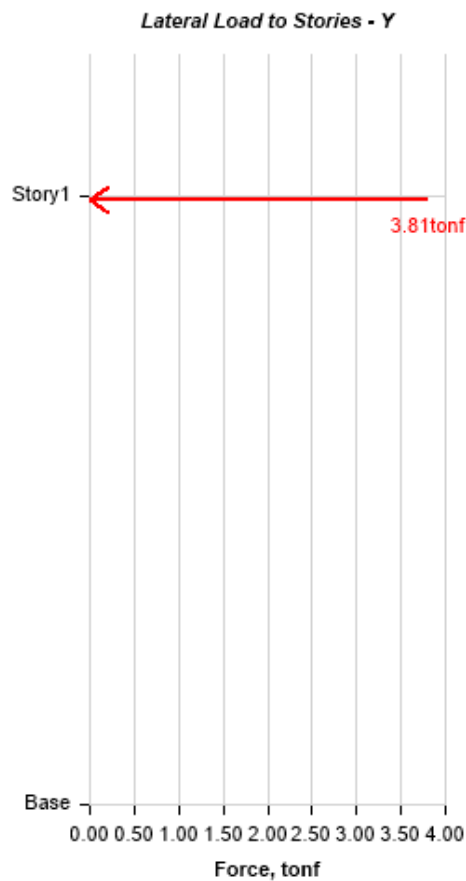
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	6345.14	3.81

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	3.25	0	3.81
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 = 0.12

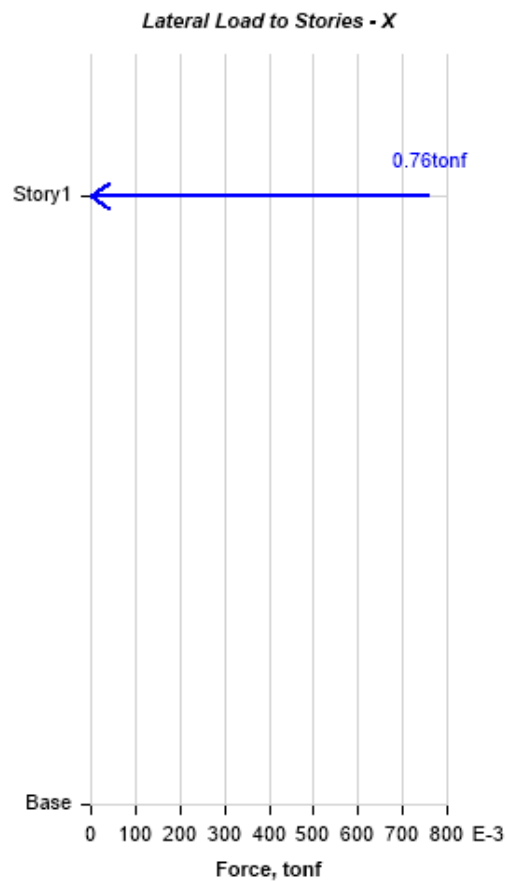
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	6345.14	0.76

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	3.25	0.76	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 = 0.12

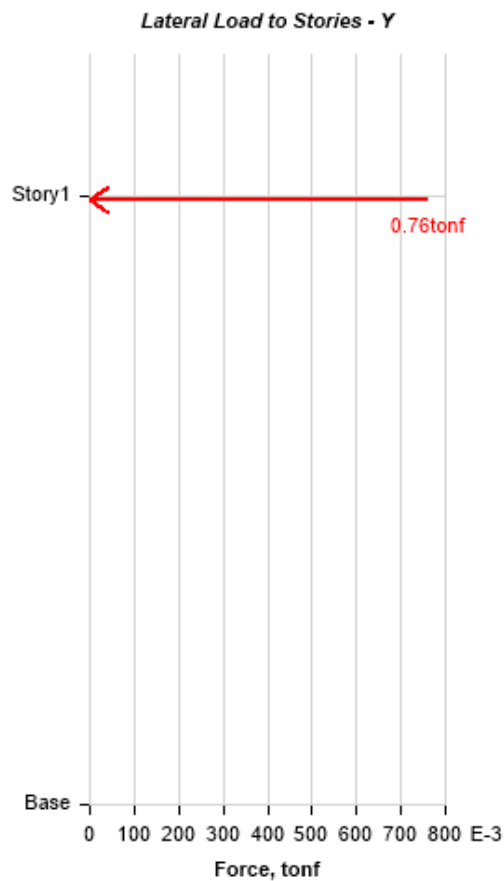
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	6345.14	0.76

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	3.25	0	0.76
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	F1	1	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
ASTREA	0	0.6	0.1	0.1	0.08	0.04	4	1.6	2.4	0.05
ASTREA	0.1	0.6								
ASTREA	0.2	0.6								
ASTREA	0.3	0.6								
ASTREA	0.4	0.6								
ASTREA	0.5	0.6								
ASTREA	0.6	0.6								
ASTREA	0.7	0.6								
ASTREA	0.8	0.54								
ASTREA	0.9	0.48								
ASTREA	1	0.432								
ASTREA	1.2	0.36								
ASTREA	1.5	0.288								
ASTREA	1.7	0.254118								
ASTREA	2	0.216								
ASTREA	2.5	0.1728								
ASTREA	3	0.144								
ASTREA	3.5	0.123429								
ASTREA	4	0.108								
ASTREA	5	0.0864								
ASTREA	8	0.03888								
ASTREA	11	0.020565								
ASTREA	15	0.011059								

Table 2.8 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Damping Ratio
UMBRAL DE DAÑO	0	0.04	0.05
UMBRAL DE DAÑO	0.25	0.12	
UMBRAL DE DAÑO	1.5	0.12	
UMBRAL DE DAÑO	2.1	0.086	
UMBRAL DE DAÑO	2.3	0.078	
UMBRAL DE DAÑO	2.5	0.072	
UMBRAL DE DAÑO	3	0.06	
UMBRAL DE DAÑO	3.5	0.051	
UMBRAL DE DAÑO	4	0.045	
UMBRAL DE DAÑO	4.5	0.04	
UMBRAL DE DAÑO	5	0.036	
UMBRAL DE DAÑO	5.5	0.033	
UMBRAL DE DAÑO	6	0.03	
UMBRAL DE DAÑO	6.5	0.028	
UMBRAL DE DAÑO	7.2	0.025	

Loads

2.4.2 Time History Functions

Table 2.9 - Functions - Time History - User Defined

Name	Time sec	Value
RampTH	0	0
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 (Part 1 of 2)

Name	Type	Is Auto	Load Name	Mode	SF
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

Loads

Name	Type	Is Auto	Load Name	Mode	SF
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
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
DStID1	Linear Add	Yes	Dead		1
DStID1			DS		1
DStID2	Linear Add	Yes	Dead		1
DStID2			Live		1
DStID2			DS		1
DStIS1	Linear Add	Yes	Dead		1.4
DStIS1			DS		1.4
DStIS2	Linear Add	Yes	Dead		1.2
DStIS2			Live		1.6
DStIS2			DS		1.2
DStIS3	Linear Add	Yes	Dead		1.2
DStIS3			Live		1
DStIS3			DS		1.2
DStIS3			W1		1
DStIS4	Linear Add	Yes	Dead		1.2
DStIS4			Live		1
DStIS4			DS		1.2
DStIS4			W1		-1
DStIS5	Linear Add	Yes	Dead		1.2
DStIS5			Live		1
DStIS5			DS		1.2
DStIS5			W2		1
DStIS6	Linear Add	Yes	Dead		1.2
DStIS6			Live		1
DStIS6			DS		1.2
DStIS6			W2		-1
DStIS7	Linear Add	Yes	Dead		0.9
DStIS7			DS		0.9
DStIS7			W1		1
DStIS8	Linear Add	Yes	Dead		0.9
DStIS8			DS		0.9
DStIS8			W1		-1
DStIS9	Linear Add	Yes	Dead		0.9
DStIS9			DS		0.9
DStIS9			W2		1
DStIS10	Linear Add	Yes	Dead		0.9
DStIS10			DS		0.9
DStIS10			W2		-1
DStIS11	Linear Add	Yes	Dead		1.3
DStIS11			Live		1
DStIS11			DS		1.3

Loads

Name	Type	Is Auto	Load Name	Mode	SF
DStlS11			SXEST		1
DStlS12	Linear Add	Yes	Dead		1.3
DStlS12			Live		1
DStlS12			DS		1.3
DStlS12			SXEST		-1
DStlS13	Linear Add	Yes	Dead		1.3
DStlS13			Live		1
DStlS13			DS		1.3
DStlS13			SYEST		1
DStlS14	Linear Add	Yes	Dead		1.3
DStlS14			Live		1
DStlS14			DS		1.3
DStlS14			SYEST		-1
DStlS15	Linear Add	Yes	Dead		1.3
DStlS15			Live		1
DStlS15			DS		1.3
DStlS15			SX-UMBRAL-EST		1
DStlS16	Linear Add	Yes	Dead		1.3
DStlS16			Live		1
DStlS16			DS		1.3
DStlS16			SX-UMBRAL-EST		-1
DStlS17	Linear Add	Yes	Dead		1.3
DStlS17			Live		1
DStlS17			DS		1.3
DStlS17			SY-UMBRAL-EST		1
DStlS18	Linear Add	Yes	Dead		1.3
DStlS18			Live		1
DStlS18			DS		1.3
DStlS18			SY-UMBRAL-EST		-1
DStlS19	Linear Add	Yes	Dead		0.8
DStlS19			DS		0.8
DStlS19			SXEST		1
DStlS20	Linear Add	Yes	Dead		0.8
DStlS20			DS		0.8
DStlS20			SXEST		-1
DStlS21	Linear Add	Yes	Dead		0.8
DStlS21			DS		0.8
DStlS21			SYEST		1
DStlS22	Linear Add	Yes	Dead		0.8
DStlS22			DS		0.8
DStlS22			SYEST		-1
DStlS23	Linear Add	Yes	Dead		0.8
DStlS23			DS		0.8
DStlS23			SX-UMBRAL-EST		1
DStlS24	Linear Add	Yes	Dead		0.8
DStlS24			DS		0.8
DStlS24			SX-UMBRAL-EST		-1
DStlS25	Linear Add	Yes	Dead		0.8
DStlS25			DS		0.8
DStlS25			SY-UMBRAL-EST		1
DStlS26	Linear Add	Yes	Dead		0.8
DStlS26			DS		0.8
DStlS26			SY-UMBRAL-EST		-1
DStlS27	Linear Add	Yes	Dead		1.3
DStlS27			Live		1
DStlS27			DS		1.3
DStlS27			SX		1
DStlS28	Linear Add	Yes	Dead		1.3
DStlS28			Live		1
DStlS28			DS		1.3
DStlS28			SY		1

Loads

Name	Type	Is Auto	Load Name	Mode	SF
DStIS29	Linear Add	Yes	Dead		1.3
DStIS29			Live		1
DStIS29			DS		1.3
DStIS29			SX-UMBRAL		1
DStIS30	Linear Add	Yes	Dead		1.3
DStIS30			Live		1
DStIS30			DS		1.3
DStIS30			SY-UMBRAL		1
DStIS31	Linear Add	Yes	Dead		0.8
DStIS31			DS		0.8
DStIS31			SX		1
DStIS32	Linear Add	Yes	Dead		0.8
DStIS32			DS		0.8
DStIS32			SY		1
DStIS33	Linear Add	Yes	Dead		0.8
DStIS33			DS		0.8
DStIS33			SX-UMBRAL		1
DStIS34	Linear Add	Yes	Dead		0.8
DStIS34			DS		0.8
DStIS34			SY-UMBRAL		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

Loads

Name	Type	Is Auto	Load Name	Mode	SF
ELS 1.0D+0.75W1+0.75L			DS		1
ELS 1.0D+0.75W1+0.75L			Live		0.75
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

Loads

Name	Type	Is Auto	Load Name	Mode	SF
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+1.6H	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
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

Table 2.11 - Load Combination Definitions (Part 2 of 2)

Name	Notes
CIM 0,6D	
CIM 0,6D	
CIM 0,6D+0.7SX	
CIM 0,6D+0.7SX	
CIM 0,6D+0.7SX	
CIM 0,6D+0.7SY	
CIM 0,6D+0.7SY	
CIM 0,6D+0.7SY	
CIM 1.0D	
CIM 1.0D	
CIM 1.0D+0.7SX	
CIM 1.0D+0.7SX	
CIM 1.0D+0.7SX	
CIM 1.0D+0.7SY	
CIM 1.0D+0.7SY	
CIM 1.0D+0.7SY	
CIM 1.0D+0.75L+0.5SX	
CIM 1.0D+0.75L+0.5SX	
CIM 1.0D+0.75L+0.5SX	
CIM 1.0D+0.75L+0.5SX	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+1.0L	
CIM 1.0D+1.0L	
CIM 1.0D+1.0L	
DES 0.6D+1.0SX	
DES 0.6D+1.0SX	
DES 0.6D+1.0SX	
DES 0.6D+1.0SY	
DES 0.6D+1.0SY	
DES 0.6D+1.0SY	

Loads

Name	Notes
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+1.0SX	
DES 1.0D+1.0SX	
DES 1.0D+1.0SX	
DES 1.0D+1.0SY	
DES 1.0D+1.0SY	
DES 1.0D+1.0SY	
DStlD1	Dead [Deflections]
DStlD1	
DStlD2	Dead + Live [Deflections]
DStlD2	
DStlD2	
DStlS1	Dead [Strength]
DStlS1	
DStlS2	Dead + Live [Strength]
DStlS2	
DStlS2	
DStlS2	
DStlS3	Dead + Live + Wind + Snow [Strength]
DStlS3	
DStlS3	
DStlS3	
DStlS4	Dead + Live - Wind + Snow [Strength]
DStlS4	
DStlS4	
DStlS4	
DStlS5	Dead + Live + Wind + Snow [Strength]
DStlS5	
DStlS5	
DStlS5	
DStlS6	Dead + Live - Wind + Snow [Strength]
DStlS6	
DStlS6	
DStlS6	
DStlS7	Dead (min) + Wind [Strength]
DStlS7	
DStlS7	
DStlS8	Dead (min) - Wind [Strength]
DStlS8	
DStlS8	
DStlS8	
DStlS9	Dead (min) + Wind [Strength]
DStlS9	
DStlS9	
DStlS9	
DStlS10	Dead (min) - Wind [Strength]
DStlS10	
DStlS10	
DStlS10	
DStlS11	Dead + Live + Static Earthquake [Strength]
DStlS11	
DStlS11	
DStlS11	
DStlS12	Dead + Live - Static Earthquake [Strength]
DStlS12	
DStlS12	
DStlS12	
DStlS13	Dead + Live + Static Earthquake [Strength]

Loads

Name	Notes
DStlS13	
DStlS13	
DStlS13	
DStlS14	Dead + Live - Static Earthquake [Strength]
DStlS14	
DStlS14	
DStlS14	
DStlS15	Dead + Live + Static Earthquake [Strength]
DStlS15	
DStlS15	
DStlS15	
DStlS16	Dead + Live - Static Earthquake [Strength]
DStlS16	
DStlS16	
DStlS16	
DStlS17	Dead + Live + Static Earthquake [Strength]
DStlS17	
DStlS17	
DStlS17	
DStlS18	Dead + Live - Static Earthquake [Strength]
DStlS18	
DStlS18	
DStlS18	
DStlS19	Dead (min) + Static Earthquake [Strength]
DStlS19	
DStlS19	
DStlS19	
DStlS20	Dead (min) - Static Earthquake [Strength]
DStlS20	
DStlS20	
DStlS20	
DStlS21	Dead (min) + Static Earthquake [Strength]
DStlS21	
DStlS21	
DStlS21	
DStlS22	Dead (min) - Static Earthquake [Strength]
DStlS22	
DStlS22	
DStlS22	
DStlS23	Dead (min) + Static Earthquake [Strength]
DStlS23	
DStlS23	
DStlS23	
DStlS24	Dead (min) - Static Earthquake [Strength]
DStlS24	
DStlS24	
DStlS24	
DStlS25	Dead (min) + Static Earthquake [Strength]
DStlS25	
DStlS25	
DStlS25	
DStlS26	Dead (min) - Static Earthquake [Strength]
DStlS26	
DStlS26	
DStlS26	
DStlS27	Dead + Live + Response Spectrum [Strength]
DStlS27	
DStlS27	
DStlS27	
DStlS28	Dead + Live + Response Spectrum [Strength]
DStlS28	
DStlS28	
DStlS28	
DStlS29	Dead + Live + Response Spectrum [Strength]
DStlS29	
DStlS29	
DStlS29	
DStlS30	Dead + Live + Response Spectrum [Strength]
DStlS30	

Loads

Name	Notes
DStlS30	
DStlS30	
DStlS31	Dead (min) + Response Spectrum [Strength]
DStlS31	
DStlS31	
DStlS32	Dead (min) + Response Spectrum [Strength]
DStlS32	
DStlS32	
DStlS33	Dead (min) + Response Spectrum [Strength]
DStlS33	
DStlS33	
DStlS34	Dead (min) + Response Spectrum [Strength]
DStlS34	
DStlS34	
ELS 0.6D+0.7SX	
ELS 0.6D+0.7SX	
ELS 0.6D+0.7SX	
ELS 0.6D+0.7SY	
ELS 0.6D+0.7SY	
ELS 0.6D+0.7SY	
ELS 0.6D+1.0H	
ELS 0.6D+1.0H	
ELS 0.6D+1.0H+0.7SX	
ELS 0.6D+1.0H+0.7SX	
ELS 0.6D+1.0H+0.7SX	
ELS 0.6D+1.0H+0.7SY	
ELS 0.6D+1.0H+0.7SY	
ELS 0.6D+1.0H+0.7SY	
ELS 0.6D+1.0W1	
ELS 0.6D+1.0W1	
ELS 0.6D+1.0W1	
ELS 0.6D+1.0W2	
ELS 0.6D+1.0W2	
ELS 0.6D+1.0W2	
ELS 1.0D	
ELS 1.0D	
ELS 1.0D+0.7SX	
ELS 1.0D+0.7SX	
ELS 1.0D+0.7SX	
ELS 1.0D+0.7SY	
ELS 1.0D+0.7SY	
ELS 1.0D+0.7SY	
ELS 1.0D+0.75L	
ELS 1.0D+0.75L	
ELS 1.0D+0.75L	
ELS 1.0D+0.75L+0.525SX	
ELS 1.0D+0.75L+0.525SX	
ELS 1.0D+0.75L+0.525SX	
ELS 1.0D+0.75L+0.525SX	
ELS 1.0D+0.75L+0.525SY	
ELS 1.0D+0.75L+0.525SY	
ELS 1.0D+0.75L+0.525SY	
ELS 1.0D+0.75L+0.525SY	
ELS 1.0D+0.75W1+0.75L	
ELS 1.0D+0.75W1+0.75L	
ELS 1.0D+0.75W1+0.75L	
ELS 1.0D+0.75W1+0.75L	
ELS 1.0D+0.75W2+0.75L	
ELS 1.0D+0.75W2+0.75L	
ELS 1.0D+0.75W2+0.75L	
ELS 1.0D+0.75W2+0.75L	

Loads

Name	Notes
ELS 1.0D+1.0H	
ELS 1.0D+1.0H	
ELS 1.0D+1.0H+0.7SX	
ELS 1.0D+1.0H+0.7SX	
ELS 1.0D+1.0H+0.7SX	
ELS 1.0D+1.0H+0.7SY	
ELS 1.0D+1.0H+0.7SY	
ELS 1.0D+1.0H+0.7SY	
ELS 1.0D+1.0H+0.75L	
ELS 1.0D+1.0H+0.75L	
ELS 1.0D+1.0H+0.75L	
ELS 1.0D+1.0H+0.75L+0.525SX	
ELS 1.0D+1.0H+0.75L+0.525SX	
ELS 1.0D+1.0H+0.75L+0.525SX	
ELS 1.0D+1.0H+0.75L+0.525SY	
ELS 1.0D+1.0H+0.75L+0.525SY	
ELS 1.0D+1.0H+0.75L+0.525SY	
ELS 1.0D+1.0H+0.75L+0.525SY	
ELS 1.0D+1.0H+1.0L	
ELS 1.0D+1.0H+1.0L	
ELS 1.0D+1.0H+1.0L	
ELS 1.0D+1.0L	
ELS 1.0D+1.0L	
ELS 1.0D+1.0L	
ELS 1.0D+1.0W1	
ELS 1.0D+1.0W1	
ELS 1.0D+1.0W1	
ELS 1.0D+1.0W2	
ELS 1.0D+1.0W2	
ELS 1.0D+1.0W2	
ELU 0.9D	
ELU 0.9D	
ELU 0.9D-1.0SX-0.3SY	
ELU 0.9D-1.0SX-0.3SY	
ELU 0.9D-1.0SX-0.3SY	
ELU 0.9D-1.0SX-0.3SY	
ELU 0.9D-1.0SX+0.3SY	
ELU 0.9D-1.0SX+0.3SY	
ELU 0.9D-1.0SX+0.3SY	
ELU 0.9D-1.0SY-0.3SX	
ELU 0.9D-1.0SY-0.3SX	
ELU 0.9D-1.0SY-0.3SX	
ELU 0.9D-1.0SY+0.3SX	
ELU 0.9D-1.0SY+0.3SX	
ELU 0.9D-1.0SY+0.3SX	
ELU 0.9D+1.0SX-0.3SY	
ELU 0.9D+1.0SX-0.3SY	
ELU 0.9D+1.0SX-0.3SY	
ELU 0.9D+1.0SX+0.3SY	
ELU 0.9D+1.0SX+0.3SY	
ELU 0.9D+1.0SX+0.3SY	
ELU 0.9D+1.0SY-0.3SX	
ELU 0.9D+1.0SY-0.3SX	
ELU 0.9D+1.0SY-0.3SX	
ELU 0.9D+1.0SY-0.3SX	

Loads

Name	Notes
ELU 0.9D+1.0SY+0.3SX	
ELU 0.9D+1.0SY+0.3SX	
ELU 0.9D+1.0SY+0.3SX	
ELU 0.9D+1.0SY+0.3SX	
ELU 0.9D+1.6H	
ELU 0.9D+1.6H	
ELU 0.9D+1.6H+1.0SX	
ELU 0.9D+1.6H+1.0SX	
ELU 0.9D+1.6H+1.0SX	
ELU 0.9D+1.6H+1.0SY	
ELU 0.9D+1.6H+1.0SY	
ELU 0.9D+1.6H+1.0SY	
ELU 0.9D+1.6W1	
ELU 0.9D+1.6W1	
ELU 0.9D+1.6W1	
ELU 0.9D+1.6W2	
ELU 0.9D+1.6W2	
ELU 0.9D+1.6W2	
ELU 1.2D+0.8W1	
ELU 1.2D+0.8W1	
ELU 1.2D+0.8W1	
ELU 1.2D+0.8W2	
ELU 1.2D+0.8W2	
ELU 1.2D+0.8W2	
ELU 1.2D+1.0L-1.0SX-0.3SY	
ELU 1.2D+1.0L-1.0SX-0.3SY	
ELU 1.2D+1.0L-1.0SX-0.3SY	
ELU 1.2D+1.0L-1.0SX-0.3SY	
ELU 1.2D+1.0L-1.0SX-0.3SY	
ELU 1.2D+1.0L-1.0SX+0.3SY	
ELU 1.2D+1.0L-1.0SX+0.3SY	
ELU 1.2D+1.0L-1.0SX+0.3SY	
ELU 1.2D+1.0L-1.0SX+0.3SY	
ELU 1.2D+1.0L-1.0SX+0.3SY	
ELU 1.2D+1.0L-1.0SY-0.3SX	
ELU 1.2D+1.0L-1.0SY-0.3SX	
ELU 1.2D+1.0L-1.0SY-0.3SX	
ELU 1.2D+1.0L-1.0SY-0.3SX	
ELU 1.2D+1.0L-1.0SY+0.3SX	
ELU 1.2D+1.0L-1.0SY+0.3SX	
ELU 1.2D+1.0L-1.0SY+0.3SX	
ELU 1.2D+1.0L-1.0SY+0.3SX	
ELU 1.2D+1.0L+1.0SX-0.3SY	
ELU 1.2D+1.0L+1.0SX-0.3SY	
ELU 1.2D+1.0L+1.0SX-0.3SY	
ELU 1.2D+1.0L+1.0SX-0.3SY	
ELU 1.2D+1.0L+1.0SX+0.3SY	
ELU 1.2D+1.0L+1.0SX+0.3SY	
ELU 1.2D+1.0L+1.0SX+0.3SY	
ELU 1.2D+1.0L+1.0SX+0.3SY	
ELU 1.2D+1.0L+1.0SX+0.3SY	
ELU 1.2D+1.0L+1.0SY-0.3SX	
ELU 1.2D+1.0L+1.0SY-0.3SX	
ELU 1.2D+1.0L+1.0SY-0.3SX	
ELU 1.2D+1.0L+1.0SY-0.3SX	
ELU 1.2D+1.0L+1.0SY+0.3SX	
ELU 1.2D+1.0L+1.0SY+0.3SX	

Loads

Name	Notes
ELU 1.2D+1.0L+1.0SY+0.3SX	
ELU 1.2D+1.0L+1.0SY+0.3SX	
ELU 1.2D+1.0L+1.0SY+0.3SX	
ELU 1.2D+1.6H	
ELU 1.2D+1.6H	
ELU 1.2D+1.6L	
ELU 1.2D+1.6L	
ELU 1.2D+1.6L	
ELU 1.2D+1.6W1+1.0L	
ELU 1.2D+1.6W1+1.0L	
ELU 1.2D+1.6W1+1.0L	
ELU 1.2D+1.6W1+1.0L	
ELU 1.2D+1.6W2+1.0L	
ELU 1.2D+1.6W2+1.0L	
ELU 1.2D+1.6W2+1.0L	
ELU 1.2D+1.6W2+1.0L	
ELU 1.4D	
ELU 1.4D	

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	5.67	10.62	-5
Live	LinStatic				0	0	1.32	2.48	-1.17
SX	LinRespSpec	Max			1.01	0	0	0	3.3
SY	LinRespSpec	Max			0	1.01	0	3.3	0
SXEST	LinStatic				-4.2	0	0	0	-13.64
SYEST	LinStatic				0	-4.2	0	13.64	0
DS	LinStatic				0	0	1.32	2.48	-1.17
W1	LinStatic				0	0	0	0	0
W2	LinStatic				0	0	0	0	0
SX-UMBRAL	LinRespSpec	Max			0.75	0	0	0	2.45
SY-UMBRAL	LinRespSpec	Max			0	0.75	0	2.45	0
SX-UMBRAL-EST	LinStatic				-0.84	0	0	0	-2.73
SY-UMBRAL-EST	LinStatic				0	-0.84	0	2.73	0
ELS 1.0D	Combination				0	0	6.99	13.1	-6.17
ELS 1.0D+1.0L	Combination				0	0	8.31	15.58	-7.34
ELS 1.0D+0.75L	Combination				0	0	7.98	14.96	-7.05
ELS 1.0D+0.7SX	Combination	Max			0.71	0	6.99	13.1	-3.86
ELS 1.0D+0.7SX	Combination	Min			-0.71	0	6.99	13.1	-8.48
ELS 1.0D+0.7SY	Combination	Max			0	0.71	6.99	15.4	-6.17
ELS 1.0D+0.7SY	Combination	Min			0	-0.71	6.99	10.79	-6.17
ELS 1.0D+0.75L+0.525SX	Combination	Max			0.53	0	7.98	14.96	-5.32
ELS 1.0D+0.75L+0.525SX	Combination	Min			-0.53	0	7.98	14.96	-8.78
ELS 1.0D+0.75L+0.525SY	Combination	Max			0	0.53	7.98	16.69	-7.05
ELS 1.0D+0.75L+0.525SY	Combination	Min			0	-0.53	7.98	13.23	-7.05
ELS 0.6D+0.7SX	Combination	Max			0.71	0	4.19	7.86	-1.4
ELS 0.6D+0.7SX	Combination	Min			-0.71	0	4.19	7.86	-6.01
ELS 0.6D+0.7SY	Combination	Max			0	0.71	4.19	10.17	-3.7
ELS 0.6D+0.7SY	Combination	Min			0	-0.71	4.19	5.55	-3.7
ELU 1.4D	Combination				0	0	9.79	18.34	-8.64
ELU 1.2D+1.6L	Combination				0	0	10.51	19.68	-9.28
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			1.01	0.3	9.71	19.18	-5.28
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			-1.01	-0.3	9.71	17.21	-11.87
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			0.3	1.01	9.71	21.49	-7.59
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			-0.3	-1.01	9.71	14.9	-9.56
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			1.01	0.3	9.71	19.18	-5.28
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			-1.01	-0.3	9.71	17.21	-11.87
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			0.3	1.01	9.71	21.49	-7.59
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			-0.3	-1.01	9.71	14.9	-9.56
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			1.01	0.3	9.71	19.18	-5.28
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			-1.01	-0.3	9.71	17.21	-11.87
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			0.3	1.01	9.71	21.49	-7.59
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			-0.3	-1.01	9.71	14.9	-9.56
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			1.01	0.3	9.71	19.18	-5.28
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			-1.01	-0.3	9.71	17.21	-11.87
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			0.3	1.01	9.71	21.49	-7.59
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			-0.3	-1.01	9.71	14.9	-9.56
ELU 0.9D	Combination				0	0	6.29	11.79	-5.56
ELU 0.9D+1.0SX+0.3SY	Combination	Max			1.01	0.3	6.29	12.78	-2.26
ELU 0.9D+1.0SX+0.3SY	Combination	Min			-1.01	-0.3	6.29	10.8	-8.85
ELU 0.9D+1.0SY+0.3SX	Combination	Max			0.3	1.01	6.29	15.08	-4.57
ELU 0.9D+1.0SY+0.3SX	Combination	Min			-0.3	-1.01	6.29	8.49	-6.54
ELU 0.9D+1.0SX-0.3SY	Combination	Max			1.01	0.3	6.29	12.78	-2.26
ELU 0.9D+1.0SX-0.3SY	Combination	Min			-1.01	-0.3	6.29	10.8	-8.85

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			0.3	1.01	6.29	15.08	-4.57
ELU 0.9D+1.0SY-0.3SX	Combination	Min			-0.3	-1.01	6.29	8.49	-6.54
ELU 0.9D-1.0SX+0.3SY	Combination	Max			1.01	0.3	6.29	12.78	-2.26
ELU 0.9D-1.0SX+0.3SY	Combination	Min			-1.01	-0.3	6.29	10.8	-8.85
ELU 0.9D-1.0SY+0.3SX	Combination	Max			0.3	1.01	6.29	15.08	-4.57
ELU 0.9D-1.0SY+0.3SX	Combination	Min			-0.3	-1.01	6.29	8.49	-6.54
ELU 0.9D-1.0SX-0.3SY	Combination	Max			1.01	0.3	6.29	12.78	-2.26
ELU 0.9D-1.0SX-0.3SY	Combination	Min			-1.01	-0.3	6.29	10.8	-8.85
ELU 0.9D-1.0SY-0.3SX	Combination	Max			0.3	1.01	6.29	15.08	-4.57
ELU 0.9D-1.0SY-0.3SX	Combination	Min			-0.3	-1.01	6.29	8.49	-6.54
CIM 1.0D	Combination				0	0	6.99	13.1	-6.17
CIM 1.0D+1.0L	Combination				0	0	8.31	15.58	-7.34
CIM 0,6D	Combination				0	0	4.19	7.86	-3.7
CIM 0,6D+0.7SX	Combination	Max			0.71	0	4.19	7.86	-1.4
CIM 0,6D+0.7SX	Combination	Min			-0.71	0	4.19	7.86	-6.01
CIM 0,6D+0.7SY	Combination	Max			0	0.71	4.19	10.17	-3.7
CIM 0,6D+0.7SY	Combination	Min			0	-0.71	4.19	5.55	-3.7
CIM 1.0D+0.7SX	Combination	Max			0.71	0	6.99	13.1	-3.86
CIM 1.0D+0.7SX	Combination	Min			-0.71	0	6.99	13.1	-8.48
CIM 1.0D+0.7SY	Combination	Max			0	0.71	6.99	15.4	-6.17
CIM 1.0D+0.7SY	Combination	Min			0	-0.71	6.99	10.79	-6.17
CIM 1.0D+0.75L+0.5SX	Combination	Max			0.51	0	7.98	14.96	-5.4
CIM 1.0D+0.75L+0.5SX	Combination	Min			-0.51	0	7.98	14.96	-8.7
CIM 1.0D+0.75L+0.5SY	Combination	Max			0	0.51	7.98	16.6	-7.05
CIM 1.0D+0.75L+0.5SY	Combination	Min			0	-0.51	7.98	13.31	-7.05
DES 1.0D+1.0SX	Combination	Max			1.01	0	6.99	13.1	-2.88
DES 1.0D+1.0SX	Combination	Min			-1.01	0	6.99	13.1	-9.47
DES 1.0D+1.0SY	Combination	Max			0	1.01	6.99	16.39	-6.17
DES 1.0D+1.0SY	Combination	Min			0	-1.01	6.99	9.8	-6.17
DES 1.0D+0.75L+0.75SX	Combination	Max			0.76	0	7.98	14.96	-4.58
DES 1.0D+0.75L+0.75SX	Combination	Min			-0.76	0	7.98	14.96	-9.52
DES 1.0D+0.75L+0.75SY	Combination	Max			0	0.76	7.98	17.43	-7.05
DES 1.0D+0.75L+0.75SY	Combination	Min			0	-0.76	7.98	12.48	-7.05
DES 0.6D+1.0SX	Combination	Max			1.01	0	4.19	7.86	-0.41
DES 0.6D+1.0SX	Combination	Min			-1.01	0	4.19	7.86	-7
DES 0.6D+1.0SY	Combination	Max			0	1.01	4.19	11.16	-3.7
DES 0.6D+1.0SY	Combination	Min			0	-1.01	4.19	4.56	-3.7

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
1.9	0	0	0
0.9	0	0	0
7.86	0	0	0
-3.7	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1.41	0	0	0
0.66	0	0	0
1.58	0	0	0
-0.74	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1.33	0	0	0
-1.33	0	0	0

Analysis Results

MZ tonf-m	X m	Y m	Z m
0.63	0	0	0
-0.63	0	0	0
1	0	0	0
-1	0	0	0
0.47	0	0	0
-0.47	0	0	0
1.33	0	0	0
-1.33	0	0	0
0.63	0	0	0
-0.63	0	0	0
0	0	0	0
0	0	0	0
2.17	0	0	0
-2.17	0	0	0
1.47	0	0	0
-1.47	0	0	0
2.17	0	0	0
-2.17	0	0	0
1.47	0	0	0
-1.47	0	0	0
2.17	0	0	0
-2.17	0	0	0
1.47	0	0	0
-1.47	0	0	0
2.17	0	0	0
-2.17	0	0	0
1.47	0	0	0
-1.47	0	0	0
0	0	0	0
2.17	0	0	0
-2.17	0	0	0
1.47	0	0	0
-1.47	0	0	0
2.17	0	0	0
-2.17	0	0	0
1.47	0	0	0
-1.47	0	0	0
2.17	0	0	0
-2.17	0	0	0
1.47	0	0	0
-1.47	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1.33	0	0	0
-1.33	0	0	0
0.63	0	0	0
-0.63	0	0	0
1.33	0	0	0
-1.33	0	0	0
0.63	0	0	0
-0.63	0	0	0
0.95	0	0	0
-0.95	0	0	0
0.45	0	0	0
-0.45	0	0	0

Analysis Results

MZ tonf-m	X m	Y m	Z m
1.9	0	0	0
-1.9	0	0	0
0.9	0	0	0
-0.9	0	0	0
1.43	0	0	0
-1.43	0	0	0
0.67	0	0	0
-0.67	0	0	0
1.9	0	0	0
-1.9	0	0	0
0.9	0	0	0
-0.9	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/
Story1	Dead	LinStatic				Y	1.903E-07	
Story1	Live	LinStatic				Y	7.784E-08	
Story1	SX	LinRespSpec	Max			X	0.000374	
Story1	SY	LinRespSpec	Max			Y	0.000414	
Story1	SXEST	LinStatic				X	0.001545	
Story1	SYEST	LinStatic				Y	0.001713	
Story1	DS	LinStatic				Y	7.784E-08	
Story1	SX-UMBRAL	LinRespSpec	Max			X	0.000278	
Story1	SY-UMBRAL	LinRespSpec	Max			Y	0.000307	
Story1	SX-UMBRAL-EST	LinStatic				X	0.00031	
Story1	SY-UMBRAL-EST	LinStatic				Y	0.000344	
Story1	ELS 1.0D	Combination				Y	2.681E-07	
Story1	ELS 1.0D+1.0L	Combination				Y	3.46E-07	
Story1	ELS 1.0D+0.75L	Combination				Y	3.265E-07	
Story1	ELS 1.0D+0.7SX	Combination	Max			X	0.000262	
Story1	ELS 1.0D+0.7SX	Combination	Min			X	0.000262	
Story1	ELS 1.0D+0.7SY	Combination	Max			Y	0.00029	
Story1	ELS 1.0D+0.7SY	Combination	Min			Y	0.00029	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Max			X	0.000196	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Min			X	0.000196	
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Max			Y	0.000218	
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Min			Y	0.000218	
Story1	ELS 0.6D+0.7SX	Combination	Max			X	0.000262	
Story1	ELS 0.6D+0.7SX	Combination	Min			X	0.000262	
Story1	ELS 0.6D+0.7SY	Combination	Max			Y	0.00029	
Story1	ELS 0.6D+0.7SY	Combination	Min			Y	0.00029	
Story1	ELU 1.4D	Combination				Y	3.754E-07	
Story1	ELU 1.2D+1.6L	Combination				Y	4.463E-07	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			X	0.000374	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			X	0.000374	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			X	0.000112	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			Y	0.000415	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			X	0.000112	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			Y	0.000415	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			X	0.000374	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			X	0.000374	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			X	0.000112	

Analysis Results

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			Y	0.000415	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			X	0.000112	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			Y	0.000415	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			X	0.000374	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			X	0.000374	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			X	0.000112	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			Y	0.000415	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			X	0.000112	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			Y	0.000415	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			X	0.000374	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			X	0.000374	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			X	0.000112	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			Y	0.000415	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			X	0.000112	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			Y	0.000415	
Story1	ELU 0.9D	Combination				Y	2.413E-07	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			X	0.000374	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			X	0.000374	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			X	0.000112	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			Y	0.000414	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			X	0.000112	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			Y	0.000414	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			X	0.000374	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			X	0.000374	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			X	0.000112	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			Y	0.000414	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			X	0.000112	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			Y	0.000414	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			X	0.000374	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			X	0.000374	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			X	0.000112	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			Y	0.000414	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			X	0.000112	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			Y	0.000414	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			X	0.000374	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			Y	0.000125	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			X	0.000374	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			Y	0.000125	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			X	0.000112	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			Y	0.000414	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			X	0.000112	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			Y	0.000414	
Story1	CIM 1.0D	Combination				Y	2.681E-07	
Story1	CIM 1.0D+1.0L	Combination				Y	3.46E-07	
Story1	CIM 0,6D	Combination				Y	1.609E-07	
Story1	CIM 0,6D+0.7SX	Combination	Max			X	0.000262	
Story1	CIM 0,6D+0.7SX	Combination	Min			X	0.000262	
Story1	CIM 0,6D+0.7SY	Combination	Max			Y	0.00029	
Story1	CIM 0,6D+0.7SY	Combination	Min			Y	0.00029	
Story1	CIM 1.0D+0.7SX	Combination	Max			X	0.000262	

Analysis Results

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	CIM 1.0D+0.7SX	Combination	Min			X	0.000262	
Story1	CIM 1.0D+0.7SY	Combination	Max			Y	0.00029	
Story1	CIM 1.0D+0.7SY	Combination	Min			Y	0.00029	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Max			X	0.000187	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Min			X	0.000187	
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Max			Y	0.000207	
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Min			Y	0.000207	
Story1	DES 1.0D+1.0SX	Combination	Max			X	0.000374	
Story1	DES 1.0D+1.0SX	Combination	Min			X	0.000374	
Story1	DES 1.0D+1.0SY	Combination	Max			Y	0.000415	
Story1	DES 1.0D+1.0SY	Combination	Min			Y	0.000415	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Max			X	0.00028	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Min			X	0.00028	
Story1	DES 1.0D+0.75L+0.75SY	Combination	Max			Y	0.000311	
Story1	DES 1.0D+0.75L+0.75SY	Combination	Min			Y	0.000311	
Story1	DES 0.6D+1.0SX	Combination	Max			X	0.000374	
Story1	DES 0.6D+1.0SX	Combination	Min			X	0.000374	
Story1	DES 0.6D+1.0SY	Combination	Max			Y	0.000414	
Story1	DES 0.6D+1.0SY	Combination	Min			Y	0.000414	

Table 3.2 - Story Drifts (Part 2 of 2)

Story	Label	X m	Y m	Z m
Story1	1	0	0	3.25
Story1	1	0	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	1	0	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	1	0	0	3.25
Story1	1	0	0	3.25
Story1	1	0	0	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	1	0	0	3.25
Story1	1	0	0	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25

Analysis Results

Story	Label	X m	Y m	Z m
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	1	0	0	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	3	1.766	0	3.25
Story1	2	0	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	1	0	0	3.25
Story1	1	0	0	3.25
Story1	1	0	0	3.25

Analysis Results

Story	Label	X m	Y m	Z m
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25
Story1	4	1.766	3.747	3.25
Story1	2	0	3.747	3.25
Story1	3	1.766	0	3.25
Story1	4	1.766	3.747	3.25

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				3.71	0	0
Story1	Bottom	Dead	LinStatic				5.67	0	0
Story1	Top	Live	LinStatic				1.32	0	0
Story1	Bottom	Live	LinStatic				1.32	0	0
Story1	Top	SX	LinRespSpec	Max			0	1.01	0
Story1	Bottom	SX	LinRespSpec	Max			0	1.01	0
Story1	Top	SY	LinRespSpec	Max			0	0	1.01
Story1	Bottom	SY	LinRespSpec	Max			0	0	1.01
Story1	Top	SXEST	LinStatic				0	-4.2	0
Story1	Bottom	SXEST	LinStatic				0	-4.2	0
Story1	Top	SYEST	LinStatic				0	0	-4.2
Story1	Bottom	SYEST	LinStatic				0	0	-4.2
Story1	Top	DS	LinStatic				1.32	0	0
Story1	Bottom	DS	LinStatic				1.32	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	0.75	0
Story1	Bottom	SX-UMBRAL	LinRespSpec	Max			0	0.75	0
Story1	Top	SY-UMBRAL	LinRespSpec	Max			0	0	0.75
Story1	Bottom	SY-UMBRAL	LinRespSpec	Max			0	0	0.75
Story1	Top	SX-UMBRAL-EST	LinStatic				0	-0.84	0
Story1	Bottom	SX-UMBRAL-EST	LinStatic				0	-0.84	0
Story1	Top	SY-UMBRAL-EST	LinStatic				0	0	-0.84
Story1	Bottom	SY-UMBRAL-EST	LinStatic				0	0	-0.84
Story1	Top	ELS 1.0D	Combination				5.04	0	0
Story1	Bottom	ELS 1.0D	Combination				6.99	0	0
Story1	Top	ELS 1.0D+1.0L	Combination				6.36	0	0
Story1	Bottom	ELS 1.0D+1.0L	Combination				8.31	0	0
Story1	Top	ELS 1.0D+0.75L	Combination				6.03	0	0

Analysis Results

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf	VY tonf
Story1	Bottom	ELS 1.0D+0.75L	Combination				7.98	0	0
Story1	Top	ELS 1.0D+0.7SX	Combination	Max			5.04	0.71	0
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Max			6.99	0.71	0
Story1	Top	ELS 1.0D+0.7SX	Combination	Min			5.04	-0.71	0
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Min			6.99	-0.71	0
Story1	Top	ELS 1.0D+0.7SY	Combination	Max			5.04	0	0.71
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Max			6.99	0	0.71
Story1	Top	ELS 1.0D+0.7SY	Combination	Min			5.04	0	-0.71
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Min			6.99	0	-0.71
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Max			6.03	0.53	0
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Max			7.98	0.53	0
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Min			6.03	-0.53	0
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Min			7.98	-0.53	0
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Max			6.03	0	0.53
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Max			7.98	0	0.53
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Min			6.03	0	-0.53
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Min			7.98	0	-0.53
Story1	Top	ELS 0.6D+0.7SX	Combination	Max			3.02	0.71	0
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Max			4.19	0.71	0
Story1	Top	ELS 0.6D+0.7SX	Combination	Min			3.02	-0.71	0
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Min			4.19	-0.71	0
Story1	Top	ELS 0.6D+0.7SY	Combination	Max			3.02	0	0.71
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Max			4.19	0	0.71
Story1	Top	ELS 0.6D+0.7SY	Combination	Min			3.02	0	-0.71
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Min			4.19	0	-0.71
Story1	Top	ELU 1.4D	Combination				7.05	0	0
Story1	Bottom	ELU 1.4D	Combination				9.79	0	0
Story1	Top	ELU 1.2D+1.6L	Combination				8.16	0	0
Story1	Bottom	ELU 1.2D+1.6L	Combination				10.51	0	0
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			7.37	1.01	0.3
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			9.71	1.01	0.3
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			7.37	-1.01	-0.3
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			9.71	-1.01	-0.3
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			7.37	0.3	1.01
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			9.71	0.3	1.01
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			7.37	-0.3	-1.01
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			9.71	-0.3	-1.01
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			7.37	1.01	0.3
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			9.71	1.01	0.3
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			7.37	-1.01	-0.3
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			9.71	-1.01	-0.3
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			7.37	0.3	1.01
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			9.71	0.3	1.01
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			7.37	-0.3	-1.01
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			9.71	-0.3	-1.01
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			7.37	1.01	0.3
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			9.71	1.01	0.3
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			7.37	-1.01	-0.3
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			9.71	-1.01	-0.3
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			7.37	0.3	1.01
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			9.71	0.3	1.01
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			7.37	-0.3	-1.01
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			9.71	-0.3	-1.01
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			7.37	1.01	0.3
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			9.71	1.01	0.3
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			7.37	-1.01	-0.3
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			9.71	-1.01	-0.3
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			7.37	0.3	1.01
Story1	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			9.71	0.3	1.01
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			7.37	-0.3	-1.01

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-1.0SY-0.3SX	Combination	Min			9.71	-0.3	-1.01
Story1	Top	ELU 0.9D	Combination				4.53	0	0
Story1	Bottom	ELU 0.9D	Combination				6.29	0	0
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Max			4.53	1.01	0.3
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Max			6.29	1.01	0.3
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Min			4.53	-1.01	-0.3
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Min			6.29	-1.01	-0.3
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Max			4.53	0.3	1.01
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Max			6.29	0.3	1.01
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Min			4.53	-0.3	-1.01
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Min			6.29	-0.3	-1.01
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Max			4.53	1.01	0.3
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Max			6.29	1.01	0.3
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Min			4.53	-1.01	-0.3
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Min			6.29	-1.01	-0.3
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Max			4.53	0.3	1.01
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Max			6.29	0.3	1.01
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Min			4.53	-0.3	-1.01
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Min			6.29	-0.3	-1.01
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Max			4.53	1.01	0.3
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Max			6.29	1.01	0.3
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Min			4.53	-1.01	-0.3
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Min			6.29	-1.01	-0.3
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Max			4.53	0.3	1.01
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Max			6.29	0.3	1.01
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Min			4.53	-0.3	-1.01
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Min			6.29	-0.3	-1.01
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			4.53	1.01	0.3
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			6.29	1.01	0.3
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			4.53	-1.01	-0.3
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Min			6.29	-1.01	-0.3
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			4.53	0.3	1.01
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			6.29	0.3	1.01
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			4.53	-0.3	-1.01
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			6.29	-0.3	-1.01
Story1	Top	CIM 1.0D	Combination				5.04	0	0
Story1	Bottom	CIM 1.0D	Combination				6.99	0	0
Story1	Top	CIM 1.0D+1.0L	Combination				6.36	0	0
Story1	Bottom	CIM 1.0D+1.0L	Combination				8.31	0	0
Story1	Top	CIM 0,6D	Combination				3.02	0	0
Story1	Bottom	CIM 0,6D	Combination				4.19	0	0
Story1	Top	CIM 0,6D+0.7SX	Combination	Max			3.02	0.71	0
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Max			4.19	0.71	0
Story1	Top	CIM 0,6D+0.7SX	Combination	Min			3.02	-0.71	0
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Min			4.19	-0.71	0
Story1	Top	CIM 0,6D+0.7SY	Combination	Max			3.02	0	0.71
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Max			4.19	0	0.71
Story1	Top	CIM 0,6D+0.7SY	Combination	Min			3.02	0	-0.71
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Min			4.19	0	-0.71
Story1	Top	CIM 1.0D+0.7SX	Combination	Max			5.04	0.71	0
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Max			6.99	0.71	0
Story1	Top	CIM 1.0D+0.7SX	Combination	Min			5.04	-0.71	0
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Min			6.99	-0.71	0
Story1	Top	CIM 1.0D+0.7SY	Combination	Max			5.04	0	0.71
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Max			6.99	0	0.71
Story1	Top	CIM 1.0D+0.7SY	Combination	Min			5.04	0	-0.71
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Min			6.99	0	-0.71
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Max			6.03	0.51	0
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Max			7.98	0.51	0
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Min			6.03	-0.51	0

Analysis Results

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf	VY tonf
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Min			7.98	-0.51	0
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Max			6.03	0	0.51
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Max			7.98	0	0.51
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Min			6.03	0	-0.51
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Min			7.98	0	-0.51
Story1	Top	DES 1.0D+1.0SX	Combination	Max			5.04	1.01	0
Story1	Bottom	DES 1.0D+1.0SX	Combination	Max			6.99	1.01	0
Story1	Top	DES 1.0D+1.0SX	Combination	Min			5.04	-1.01	0
Story1	Bottom	DES 1.0D+1.0SX	Combination	Min			6.99	-1.01	0
Story1	Top	DES 1.0D+1.0SY	Combination	Max			5.04	0	1.01
Story1	Bottom	DES 1.0D+1.0SY	Combination	Max			6.99	0	1.01
Story1	Top	DES 1.0D+1.0SY	Combination	Min			5.04	0	-1.01
Story1	Bottom	DES 1.0D+1.0SY	Combination	Min			6.99	0	-1.01
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Max			6.03	0.76	0
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Max			7.98	0.76	0
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Min			6.03	-0.76	0
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Min			7.98	-0.76	0
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Max			6.03	0	0.76
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Max			7.98	0	0.76
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Min			6.03	0	-0.76
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Min			7.98	0	-0.76
Story1	Top	DES 0.6D+1.0SX	Combination	Max			3.02	1.01	0
Story1	Bottom	DES 0.6D+1.0SX	Combination	Max			4.19	1.01	0
Story1	Top	DES 0.6D+1.0SX	Combination	Min			3.02	-1.01	0
Story1	Bottom	DES 0.6D+1.0SX	Combination	Min			4.19	-1.01	0
Story1	Top	DES 0.6D+1.0SY	Combination	Max			3.02	0	1.01
Story1	Bottom	DES 0.6D+1.0SY	Combination	Max			4.19	0	1.01
Story1	Top	DES 0.6D+1.0SY	Combination	Min			3.02	0	-1.01
Story1	Bottom	DES 0.6D+1.0SY	Combination	Min			4.19	0	-1.01

Table 3.3 - Story Forces (Part 2 of 2)

Story	Location	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	6.96	-3.28
Story1	Bottom	0	10.62	-5
Story1	Top	0	2.48	-1.17
Story1	Bottom	0	2.48	-1.17
Story1	Top	1.9	0	0
Story1	Bottom	1.9	0	3.3
Story1	Top	0.9	0	0
Story1	Bottom	0.9	3.3	0
Story1	Top	7.86	0	0
Story1	Bottom	7.86	0	-13.64
Story1	Top	-3.7	0	0
Story1	Bottom	-3.7	13.64	0
Story1	Top	0	2.48	-1.17
Story1	Bottom	0	2.48	-1.17
Story1	Top	0	0	0
Story1	Bottom	0	0	0
Story1	Top	0	0	0
Story1	Bottom	0	0	0
Story1	Top	1.41	0	0
Story1	Bottom	1.41	0	2.45
Story1	Top	0.66	0	0
Story1	Bottom	0.66	2.45	0
Story1	Top	1.58	0	0
Story1	Bottom	1.58	0	-2.73
Story1	Top	-0.74	0	0
Story1	Bottom	-0.74	2.73	0

Analysis Results

Story	Location	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	9.44	-4.45
Story1	Bottom	0	13.1	-6.17
Story1	Top	0	11.92	-5.62
Story1	Bottom	0	15.58	-7.34
Story1	Top	0	11.3	-5.33
Story1	Bottom	0	14.96	-7.05
Story1	Top	1.33	9.44	-4.45
Story1	Bottom	1.33	13.1	-3.86
Story1	Top	-1.33	9.44	-4.45
Story1	Bottom	-1.33	13.1	-8.48
Story1	Top	0.63	9.44	-4.45
Story1	Bottom	0.63	15.4	-6.17
Story1	Top	-0.63	9.44	-4.45
Story1	Bottom	-0.63	10.79	-6.17
Story1	Top	1	11.3	-5.33
Story1	Bottom	1	14.96	-5.32
Story1	Top	-1	11.3	-5.33
Story1	Bottom	-1	14.96	-8.78
Story1	Top	0.47	11.3	-5.33
Story1	Bottom	0.47	16.69	-7.05
Story1	Top	-0.47	11.3	-5.33
Story1	Bottom	-0.47	13.23	-7.05
Story1	Top	1.33	5.66	-2.67
Story1	Bottom	1.33	7.86	-1.4
Story1	Top	-1.33	5.66	-2.67
Story1	Bottom	-1.33	7.86	-6.01
Story1	Top	0.63	5.66	-2.67
Story1	Bottom	0.63	10.17	-3.7
Story1	Top	-0.63	5.66	-2.67
Story1	Bottom	-0.63	5.55	-3.7
Story1	Top	0	13.21	-6.23
Story1	Bottom	0	18.34	-8.64
Story1	Top	0	15.29	-7.21
Story1	Bottom	0	19.68	-9.28
Story1	Top	2.17	13.81	-6.51
Story1	Bottom	2.17	19.18	-5.28
Story1	Top	-2.17	13.81	-6.51
Story1	Bottom	-2.17	17.21	-11.87
Story1	Top	1.47	13.81	-6.51
Story1	Bottom	1.47	21.49	-7.59
Story1	Top	-1.47	13.81	-6.51
Story1	Bottom	-1.47	14.9	-9.56
Story1	Top	2.17	13.81	-6.51
Story1	Bottom	2.17	19.18	-5.28
Story1	Top	-2.17	13.81	-6.51
Story1	Bottom	-2.17	17.21	-11.87
Story1	Top	1.47	13.81	-6.51
Story1	Bottom	1.47	21.49	-7.59
Story1	Top	-1.47	13.81	-6.51
Story1	Bottom	-1.47	14.9	-9.56
Story1	Top	2.17	13.81	-6.51
Story1	Bottom	2.17	19.18	-5.28
Story1	Top	-2.17	13.81	-6.51
Story1	Bottom	-2.17	17.21	-11.87
Story1	Top	1.47	13.81	-6.51
Story1	Bottom	1.47	21.49	-7.59
Story1	Top	-1.47	13.81	-6.51
Story1	Bottom	-1.47	14.9	-9.56
Story1	Top	2.17	13.81	-6.51
Story1	Bottom	2.17	19.18	-5.28

Analysis Results

Story	Location	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	-2.17	13.81	-6.51
Story1	Bottom	-2.17	17.21	-11.87
Story1	Top	1.47	13.81	-6.51
Story1	Bottom	1.47	21.49	-7.59
Story1	Top	-1.47	13.81	-6.51
Story1	Bottom	-1.47	14.9	-9.56
Story1	Top	0	8.5	-4
Story1	Bottom	0	11.79	-5.56
Story1	Top	2.17	8.5	-4
Story1	Bottom	2.17	12.78	-2.26
Story1	Top	-2.17	8.5	-4
Story1	Bottom	-2.17	10.8	-8.85
Story1	Top	1.47	8.5	-4
Story1	Bottom	1.47	15.08	-4.57
Story1	Top	-1.47	8.5	-4
Story1	Bottom	-1.47	8.49	-6.54
Story1	Top	2.17	8.5	-4
Story1	Bottom	2.17	12.78	-2.26
Story1	Top	-2.17	8.5	-4
Story1	Bottom	-2.17	10.8	-8.85
Story1	Top	1.47	8.5	-4
Story1	Bottom	1.47	15.08	-4.57
Story1	Top	-1.47	8.5	-4
Story1	Bottom	-1.47	8.49	-6.54
Story1	Top	2.17	8.5	-4
Story1	Bottom	2.17	12.78	-2.26
Story1	Top	-2.17	8.5	-4
Story1	Bottom	-2.17	10.8	-8.85
Story1	Top	1.47	8.5	-4
Story1	Bottom	1.47	15.08	-4.57
Story1	Top	-1.47	8.5	-4
Story1	Bottom	-1.47	8.49	-6.54
Story1	Top	2.17	8.5	-4
Story1	Bottom	2.17	12.78	-2.26
Story1	Top	-2.17	8.5	-4
Story1	Bottom	-2.17	10.8	-8.85
Story1	Top	1.47	8.5	-4
Story1	Bottom	1.47	15.08	-4.57
Story1	Top	-1.47	8.5	-4
Story1	Bottom	-1.47	8.49	-6.54
Story1	Top	2.17	8.5	-4
Story1	Bottom	2.17	12.78	-2.26
Story1	Top	-2.17	8.5	-4
Story1	Bottom	-2.17	10.8	-8.85
Story1	Top	1.47	8.5	-4
Story1	Bottom	1.47	15.08	-4.57
Story1	Top	-1.47	8.5	-4
Story1	Bottom	-1.47	8.49	-6.54
Story1	Top	0	9.44	-4.45
Story1	Bottom	0	13.1	-6.17
Story1	Top	0	11.92	-5.62
Story1	Bottom	0	15.58	-7.34
Story1	Top	0	5.66	-2.67
Story1	Bottom	0	7.86	-3.7
Story1	Top	1.33	5.66	-2.67
Story1	Bottom	1.33	7.86	-1.4
Story1	Top	-1.33	5.66	-2.67
Story1	Bottom	-1.33	7.86	-6.01
Story1	Top	0.63	5.66	-2.67
Story1	Bottom	0.63	10.17	-3.7
Story1	Top	-0.63	5.66	-2.67
Story1	Bottom	-0.63	5.55	-3.7
Story1	Top	1.33	9.44	-4.45
Story1	Bottom	1.33	13.1	-3.86
Story1	Top	-1.33	9.44	-4.45
Story1	Bottom	-1.33	13.1	-8.48
Story1	Top	0.63	9.44	-4.45
Story1	Bottom	0.63	15.4	-6.17

Analysis Results

Story	Location	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	-0.63	9.44	-4.45
Story1	Bottom	-0.63	10.79	-6.17
Story1	Top	0.95	11.3	-5.33
Story1	Bottom	0.95	14.96	-5.4
Story1	Top	-0.95	11.3	-5.33
Story1	Bottom	-0.95	14.96	-8.7
Story1	Top	0.45	11.3	-5.33
Story1	Bottom	0.45	16.6	-7.05
Story1	Top	-0.45	11.3	-5.33
Story1	Bottom	-0.45	13.31	-7.05
Story1	Top	1.9	9.44	-4.45
Story1	Bottom	1.9	13.1	-2.88
Story1	Top	-1.9	9.44	-4.45
Story1	Bottom	-1.9	13.1	-9.47
Story1	Top	0.9	9.44	-4.45
Story1	Bottom	0.9	16.39	-6.17
Story1	Top	-0.9	9.44	-4.45
Story1	Bottom	-0.9	9.8	-6.17
Story1	Top	1.43	11.3	-5.33
Story1	Bottom	1.43	14.96	-4.58
Story1	Top	-1.43	11.3	-5.33
Story1	Bottom	-1.43	14.96	-9.52
Story1	Top	0.67	11.3	-5.33
Story1	Bottom	0.67	17.43	-7.05
Story1	Top	-0.67	11.3	-5.33
Story1	Bottom	-0.67	12.48	-7.05
Story1	Top	1.9	5.66	-2.67
Story1	Bottom	1.9	7.86	-0.41
Story1	Top	-1.9	5.66	-2.67
Story1	Bottom	-1.9	7.86	-7
Story1	Top	0.9	5.66	-2.67
Story1	Bottom	0.9	11.16	-3.7
Story1	Top	-0.9	5.66	-2.67
Story1	Bottom	-0.9	4.56	-3.7

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	0.184	5.431	34.127	1164.6553
Modal	2	0.175	5.719	35.9312	1291.052
Modal	3	0.161	6.214	39.0435	1524.3983
Modal	4	0.007	142.761	896.9916	804593.9298
Modal	5	0.005	182.169	1144.6033	1310116.629
Modal	6	0.005	211.782	1330.664	1770666.6685
Modal	7	0.004	241.751	1518.9679	2307263.3655
Modal	8	0.003	348.184	2187.7054	4786055.0402

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

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ	SumRX
Modal	1	0.184	0	1	0	0	1	0	1	0	0	1
Modal	2	0.175	1	0	0	1	1	0	0	1	0	1
Modal	3	0.161	0	0	0	1	1	0	0	0	1	1
Modal	4	0.007	0	0	0	1	1	0	0	0	0	1
Modal	5	0.005	0	0	0	1	1	0	0	0	0	1
Modal	6	0.005	0	0	0	1	1	0	0	0	0	1
Modal	7	0.004	0	0	0	1	1	0	0	0	0	1

Analysis Results

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ	SumRX
Modal	8	0.003	0	0	0	1	1	0	0	0	0	1

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

Case	Mode	SumRY	SumRZ
Modal	1	0	0
Modal	2	1	0
Modal	3	1	1
Modal	4	1	1
Modal	5	1	1
Modal	6	1	1
Modal	7	1	1
Modal	8	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	0.184	0	1	0	0
Modal	2	0.175	1	0	0	0
Modal	3	0.161	0	0	0	1
Modal	4	0.007	0	0	0	0
Modal	5	0.005	0	0	0	0
Modal	6	0.005	0	0	0	1
Modal	7	0.004	0	0	0	0
Modal	8	0.003	0	0	0	0