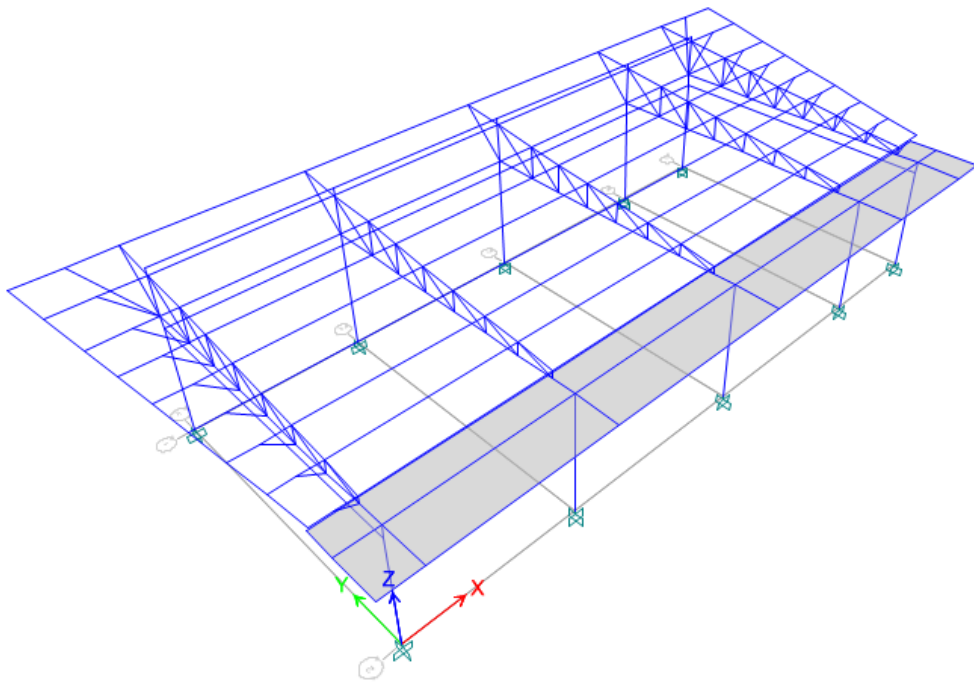




User Report 1

Model File: ADMON, Revision 0
24/06/2026

Table of Contents

1. Assignments	4
1.1 Frame Assignments	4
1.2 Shell Assignments	24
2. Loads	26
2.1 Load Patterns	26
2.2 Auto Seismic Loading	26
2.3 Applied Loads	35
2.3.1 Line Loads	35
2.4 Functions	47
2.4.1 Response Spectrum Functions	47
2.4.2 Time History Functions	48
2.5 Load Cases	48
2.6 Load Combinations	49
3. Analysis Results	55
3.1 Structure Results	55
3.2 Story Results	60
3.3 Modal Results	113
4. Design Data	119
4.1 Steel Frame Design	119

List of Tables

Table 1.1 Frame Assignments - Summary	4
Table 1.2 Area Assignments - Summary	24
Table 2.1 Load Pattern Definitions	26
Table 2.6 Frame Loads Assignments - Distributed	35
Table 2.7 Functions - Response Spectrum - Columbia NSR-10	47
Table 2.8 Functions - Response Spectrum - User Defined	48
Table 2.9 Functions - Time History - User Defined	48
Table 2.10 Load Case Definitions - Summary	48
Table 2.11 Load Combination Definitions	49
Table 3.1 Base Reactions	55
Table 3.2 Story Drifts	60
Table 3.3 Story Forces	82
Table 3.4 Modal Periods And Frequencies	113
Table 3.5 Modal Participating Mass Ratios	114
Table 3.6 Modal Load Participation Ratios	117
Table 3.7 Modal Direction Factors	117
Table 4.1 Steel Frame Design Preferences - AISC 360-16	119
Table 4.2 Steel Frame Design Overwrites - AISC 360-16	119
Table 4.3 Steel Column Envelope - AISC 360-16	142
Table 4.4 Steel Beam Envelope - AISC 360-16	143
Table 4.5 Steel Brace Envelope - AISC 360-16	147

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 3)

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg
77	Story3	B3	Beam	5.4031		V30X40	V30X40	
78	Story3	B4	Beam	6		V30X40	V30X40	
79	Story3	B5	Beam	6		V30X40	V30X40	
80	Story3	B6	Beam	3.4		V30X40	V30X40	
90	Story3	B54	Beam	1.2085		TUB100X100X3	TUB100X100X3	
91	Story3	B55	Beam	1.2085		TUB100X100X3	TUB100X100X3	
92	Story3	B56	Beam	1.2085		TUB100X100X3	TUB100X100X3	
93	Story3	B57	Beam	1.2085		TUB100X100X3	TUB100X100X3	
94	Story3	B58	Beam	1.2085		TUB100X100X3	TUB100X100X3	
95	Story3	B59	Beam	1.2085		TUB100X100X3	TUB100X100X3	
96	Story3	B60	Beam	1.566		TUB100X100X3	TUB100X100X3	
115	Story3	B61	Beam	1.2646		TUB 70X70X2MM	TUB 70X70X2MM	
127	Story3	B71	Beam	1.4603		TUB100X100X3	TUB100X100X3	
37	Story3	B11	Beam	1.2085		TUB100X100X3	TUB100X100X3	
38	Story3	B12	Beam	1.2085		TUB100X100X3	TUB100X100X3	
39	Story3	B13	Beam	1.2085		TUB100X100X3	TUB100X100X3	
40	Story3	B14	Beam	1.2085		TUB100X100X3	TUB100X100X3	
41	Story3	B15	Beam	1.2085		TUB100X100X3	TUB100X100X3	
42	Story3	B16	Beam	1.2085		TUB100X100X3	TUB100X100X3	
43	Story3	B17	Beam	1.566		TUB100X100X3	TUB100X100X3	
89	Story3	B18	Beam	1.2646		TUB 70X70X2MM	TUB 70X70X2MM	
124	Story3	B69	Beam	1.4603		TUB100X100X3	TUB100X100X3	
128	Story3	B70	Beam	1.2085		TUB100X100X3	TUB100X100X3	
129	Story3	B72	Beam	1.2085		TUB100X100X3	TUB100X100X3	
131	Story3	B73	Beam	1.2085		TUB100X100X3	TUB100X100X3	
132	Story3	B74	Beam	1.2085		TUB100X100X3	TUB100X100X3	
133	Story3	B75	Beam	1.2085		TUB100X100X3	TUB100X100X3	
134	Story3	B76	Beam	1.2085		TUB100X100X3	TUB100X100X3	
135	Story3	B77	Beam	1.566		TUB100X100X3	TUB100X100X3	
148	Story3	B78	Beam	1.2646		TUB 70X70X2MM	TUB 70X70X2MM	
156	Story3	B86	Beam	1.4603		TUB100X100X3	TUB100X100X3	
175	Story3	B87	Beam	1.2085		TUB100X100X3	TUB100X100X3	
181	Story3	B88	Beam	1.566		TUB100X100X3	TUB100X100X3	
202	Story3	B89	Beam	1.4603		TUB100X100X3	TUB100X100X3	
176	Story3	B98	Beam	1.2085		TUB100X100X3	TUB100X100X3	
177	Story3	B99	Beam	1.2085		TUB100X100X3	TUB100X100X3	
178	Story3	B100	Beam	1.2085		TUB100X100X3	TUB100X100X3	
179	Story3	B101	Beam	1.2085		TUB100X100X3	TUB100X100X3	
180	Story3	B102	Beam	1.2085		TUB100X100X3	TUB100X100X3	
194	Story3	B103	Beam	1.2646		TUB 70X70X2MM	TUB 70X70X2MM	
205	Story3	B111	Beam	1.2085		TUB100X100X3	TUB100X100X3	
206	Story3	B112	Beam	1.2085		TUB100X100X3	TUB100X100X3	
207	Story3	B113	Beam	1.2085		TUB100X100X3	TUB100X100X3	
208	Story3	B114	Beam	1.2085		TUB100X100X3	TUB100X100X3	
209	Story3	B115	Beam	1.2085		TUB100X100X3	TUB100X100X3	
210	Story3	B116	Beam	1.2085		TUB100X100X3	TUB100X100X3	
211	Story3	B117	Beam	1.566		TUB100X100X3	TUB100X100X3	
224	Story3	B118	Beam	1.2646		TUB 70X70X2MM	TUB 70X70X2MM	
232	Story3	B126	Beam	1.4603		TUB100X100X3	TUB100X100X3	
159	Story3	B92	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
160	Story3	B93	Beam	6		PHR 305X80X25X2.5MM	N/A	
161	Story3	B94	Beam	6		PHR 305X80X25X2.5MM	N/A	

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg
162	Story3	B95	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
167	Story3	B129	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
168	Story3	B130	Beam	6		PHR 305X80X25X2.5MM	N/A	
169	Story3	B131	Beam	6		PHR 305X80X25X2.5MM	N/A	
171	Story3	B132	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
234	Story3	B141	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
235	Story3	B142	Beam	6		PHR 305X80X25X2.5MM	N/A	
236	Story3	B143	Beam	6		PHR 305X80X25X2.5MM	N/A	
237	Story3	B144	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
247	Story3	B160	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
248	Story3	B161	Beam	6		PHR 305X80X25X2.5MM	N/A	
249	Story3	B162	Beam	6		PHR 305X80X25X2.5MM	N/A	
250	Story3	B163	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
253	Story3	B172	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
254	Story3	B173	Beam	6		PHR 305X80X25X2.5MM	N/A	
255	Story3	B174	Beam	6		PHR 305X80X25X2.5MM	N/A	
256	Story3	B175	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
259	Story3	B184	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
260	Story3	B185	Beam	6		PHR 305X80X25X2.5MM	N/A	
261	Story3	B186	Beam	6		PHR 305X80X25X2.5MM	N/A	
262	Story3	B187	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
265	Story3	B196	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
266	Story3	B197	Beam	6		PHR 305X80X25X2.5MM	N/A	
267	Story3	B198	Beam	6		PHR 305X80X25X2.5MM	N/A	
268	Story3	B199	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
271	Story3	B208	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
272	Story3	B209	Beam	6		PHR 305X80X25X2.5MM	N/A	
273	Story3	B210	Beam	6		PHR 305X80X25X2.5MM	N/A	
274	Story3	B211	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
277	Story3	B214	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
278	Story3	B215	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
279	Story3	B216	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
280	Story3	B217	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
281	Story3	B218	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
282	Story3	B219	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
283	Story3	B220	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
284	Story3	B221	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
285	Story3	B222	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
286	Story3	B223	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
287	Story3	B224	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
288	Story3	B225	Beam	1.2231		PHR 305X80X25X2.5MM	N/A	
310	Story3	B253	Beam	5.4031		PHR 305X80X25X2.5MM	N/A	
311	Story3	B254	Beam	6		PHR 305X80X25X2.5MM	N/A	
312	Story3	B255	Beam	6		PHR 305X80X25X2.5MM	N/A	
313	Story3	B256	Beam	3.4		PHR 305X80X25X2.5MM	N/A	
315	Story3	B258	Beam	1.5849		PHR 305X80X25X2.5MM	N/A	
316	Story3	B259	Beam	1.4779		PHR 305X80X25X2.5MM	N/A	
319	Story3	B262	Beam	1.5849		PHR 305X80X25X2.5MM	N/A	
320	Story3	B263	Beam	1.4779		PHR 305X80X25X2.5MM	N/A	
25	Story3	B90	Beam	1.375		PHR 305X80X25X2.5MM	N/A	
164	Story3	B97	Beam	1.375		PHR 305X80X25X2.5MM	N/A	
165	Story3	B127	Beam	0.575		PHR 305X80X25X2.5MM	N/A	
173	Story3	B134	Beam	0.575		PHR 305X80X25X2.5MM	N/A	
238	Story3	B135	Beam	1.1394		PHR 305X80X25X2.5MM	N/A	
239	Story3	B136	Beam	1.1394		PHR 305X80X25X2.5MM	N/A	
240	Story3	B137	Beam	1.0454		PHR 305X80X25X2.5MM	N/A	
241	Story3	B138	Beam	1.0454		PHR 305X80X25X2.5MM	N/A	
242	Story3	B139	Beam	0.9513		PHR 305X80X25X2.5MM	N/A	
243	Story3	B140	Beam	0.9513		PHR 305X80X25X2.5MM	N/A	

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg
244	Story3	B145	Beam	0.8572		PHR 305X80X25X2.5MM	N/A	
246	Story3	B146	Beam	0.8572		PHR 305X80X25X2.5MM	N/A	
251	Story3	B147	Beam	0.7631		PHR 305X80X25X2.5MM	N/A	
252	Story3	B148	Beam	0.7631		PHR 305X80X25X2.5MM	N/A	
257	Story3	B149	Beam	0.6691		PHR 305X80X25X2.5MM	N/A	
258	Story3	B150	Beam	0.6691		PHR 305X80X25X2.5MM	N/A	
263	Story3	B153	Beam	1.2613		PHR 305X80X25X2.5MM	N/A	
264	Story3	B154	Beam	1.2613		PHR 305X80X25X2.5MM	N/A	
158	Story3	B91	Beam	1.375		PHR 305X80X25X2.5MM	N/A	
166	Story3	B128	Beam	1.375		PHR 305X80X25X2.5MM	N/A	
289	Story3	B151	Beam	0.575		PHR 305X80X25X2.5MM	N/A	
290	Story3	B155	Beam	0.575		PHR 305X80X25X2.5MM	N/A	
292	Story3	B156	Beam	1.1394		PHR 305X80X25X2.5MM	N/A	
293	Story3	B157	Beam	1.1394		PHR 305X80X25X2.5MM	N/A	
301	Story3	B158	Beam	1.0454		PHR 305X80X25X2.5MM	N/A	
302	Story3	B159	Beam	1.0454		PHR 305X80X25X2.5MM	N/A	
304	Story3	B164	Beam	0.9513		PHR 305X80X25X2.5MM	N/A	
305	Story3	B165	Beam	0.9513		PHR 305X80X25X2.5MM	N/A	
306	Story3	B166	Beam	0.8572		PHR 305X80X25X2.5MM	N/A	
308	Story3	B167	Beam	0.8572		PHR 305X80X25X2.5MM	N/A	
309	Story3	B168	Beam	0.7631		PHR 305X80X25X2.5MM	N/A	
314	Story3	B169	Beam	0.7631		PHR 305X80X25X2.5MM	N/A	
317	Story3	B170	Beam	0.6691		PHR 305X80X25X2.5MM	N/A	
318	Story3	B171	Beam	0.6691		PHR 305X80X25X2.5MM	N/A	
322	Story3	B176	Beam	1.2613		PHR 305X80X25X2.5MM	N/A	
323	Story3	B177	Beam	1.2613		PHR 305X80X25X2.5MM	N/A	
21	Story3	C2	Column	1.5		C50X50	C50X50	
22	Story3	C4	Column	1.5		C50X50	C50X50	
23	Story3	C6	Column	1.5		C50X50	C50X50	
24	Story3	C8	Column	1.5		C50X50	C50X50	
170	Story3	C10	Column	1.5		C50X50	C50X50	
81	Story3	C11	Column	0.256		TUB100X100X3	TUB100X100X3	
97	Story3	C18	Column	0.3991		TUB 70X70X2MM	TUB 70X70X2MM	
99	Story3	C20	Column	0.5422		TUB 70X70X2MM	TUB 70X70X2MM	
101	Story3	C22	Column	0.6853		TUB 70X70X2MM	TUB 70X70X2MM	
103	Story3	C24	Column	0.8284		TUB 70X70X2MM	TUB 70X70X2MM	
105	Story3	C26	Column	0.9715		TUB 70X70X2MM	TUB 70X70X2MM	
107	Story3	C28	Column	1.1146		TUB 70X70X2MM	TUB 70X70X2MM	
36	Story3	C12	Column	0.256		TUB100X100X3	TUB100X100X3	
44	Story3	C13	Column	0.3991		TUB 70X70X2MM	TUB 70X70X2MM	
45	Story3	C14	Column	0.5422		TUB 70X70X2MM	TUB 70X70X2MM	
46	Story3	C15	Column	0.6853		TUB 70X70X2MM	TUB 70X70X2MM	
64	Story3	C16	Column	0.8284		TUB 70X70X2MM	TUB 70X70X2MM	
65	Story3	C17	Column	0.9715		TUB 70X70X2MM	TUB 70X70X2MM	
82	Story3	C19	Column	1.1146		TUB 70X70X2MM	TUB 70X70X2MM	
126	Story3	C21	Column	0.256		TUB100X100X3	TUB100X100X3	
136	Story3	C23	Column	0.3991		TUB 70X70X2MM	TUB 70X70X2MM	
137	Story3	C25	Column	0.5422		TUB 70X70X2MM	TUB 70X70X2MM	
138	Story3	C27	Column	0.6853		TUB 70X70X2MM	TUB 70X70X2MM	
139	Story3	C29	Column	0.8284		TUB 70X70X2MM	TUB 70X70X2MM	
140	Story3	C30	Column	0.9715		TUB 70X70X2MM	TUB 70X70X2MM	
141	Story3	C31	Column	1.1146		TUB 70X70X2MM	TUB 70X70X2MM	
174	Story3	C36	Column	0.256		TUB100X100X3	TUB100X100X3	
182	Story3	C37	Column	0.3991		TUB 70X70X2MM	TUB 70X70X2MM	
183	Story3	C38	Column	0.5422		TUB 70X70X2MM	TUB 70X70X2MM	
184	Story3	C39	Column	0.6853		TUB 70X70X2MM	TUB 70X70X2MM	
185	Story3	C40	Column	0.8284		TUB 70X70X2MM	TUB 70X70X2MM	
186	Story3	C41	Column	0.9715		TUB 70X70X2MM	TUB 70X70X2MM	
187	Story3	C42	Column	1.1146		TUB 70X70X2MM	TUB 70X70X2MM	

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg
204	Story3	C43	Column	0.256		TUB100X100X3	TUB100X100X3	
212	Story3	C44	Column	0.3991		TUB 70X70X2MM	TUB 70X70X2MM	
213	Story3	C45	Column	0.5422		TUB 70X70X2MM	TUB 70X70X2MM	
214	Story3	C46	Column	0.6853		TUB 70X70X2MM	TUB 70X70X2MM	
215	Story3	C47	Column	0.8284		TUB 70X70X2MM	TUB 70X70X2MM	
216	Story3	C48	Column	0.9715		TUB 70X70X2MM	TUB 70X70X2MM	
217	Story3	C49	Column	1.1146		TUB 70X70X2MM	TUB 70X70X2MM	
109	Story3	D1	Brace	2.0268		TUB 70X70X2MM	TUB 70X70X2MM	
110	Story3	D2	Brace	1.6378		TUB 70X70X2MM	TUB 70X70X2MM	
111	Story3	D3	Brace	1.5439		TUB 70X70X2MM	TUB 70X70X2MM	
112	Story3	D4	Brace	1.4582		TUB 70X70X2MM	TUB 70X70X2MM	
113	Story3	D5	Brace	1.3819		TUB 70X70X2MM	TUB 70X70X2MM	
114	Story3	D6	Brace	1.3168		TUB 70X70X2MM	TUB 70X70X2MM	
130	Story3	D8	Brace	2.0669		TUB 70X70X2MM	TUB 70X70X2MM	
83	Story3	D7	Brace	2.0268		TUB 70X70X2MM	TUB 70X70X2MM	
84	Story3	D9	Brace	1.6378		TUB 70X70X2MM	TUB 70X70X2MM	
85	Story3	D10	Brace	1.5439		TUB 70X70X2MM	TUB 70X70X2MM	
86	Story3	D11	Brace	1.4582		TUB 70X70X2MM	TUB 70X70X2MM	
87	Story3	D12	Brace	1.3819		TUB 70X70X2MM	TUB 70X70X2MM	
88	Story3	D13	Brace	1.3168		TUB 70X70X2MM	TUB 70X70X2MM	
125	Story3	D14	Brace	2.0669		TUB 70X70X2MM	TUB 70X70X2MM	
142	Story3	D15	Brace	2.0268		TUB 70X70X2MM	TUB 70X70X2MM	
143	Story3	D16	Brace	1.6378		TUB 70X70X2MM	TUB 70X70X2MM	
144	Story3	D17	Brace	1.5439		TUB 70X70X2MM	TUB 70X70X2MM	
145	Story3	D18	Brace	1.4582		TUB 70X70X2MM	TUB 70X70X2MM	
146	Story3	D19	Brace	1.3819		TUB 70X70X2MM	TUB 70X70X2MM	
147	Story3	D20	Brace	1.3168		TUB 70X70X2MM	TUB 70X70X2MM	
157	Story3	D21	Brace	2.0669		TUB 70X70X2MM	TUB 70X70X2MM	
188	Story3	D22	Brace	2.0268		TUB 70X70X2MM	TUB 70X70X2MM	
189	Story3	D23	Brace	1.6378		TUB 70X70X2MM	TUB 70X70X2MM	
190	Story3	D24	Brace	1.5439		TUB 70X70X2MM	TUB 70X70X2MM	
191	Story3	D25	Brace	1.4582		TUB 70X70X2MM	TUB 70X70X2MM	
192	Story3	D26	Brace	1.3819		TUB 70X70X2MM	TUB 70X70X2MM	
193	Story3	D27	Brace	1.3168		TUB 70X70X2MM	TUB 70X70X2MM	
203	Story3	D28	Brace	2.0669		TUB 70X70X2MM	TUB 70X70X2MM	
218	Story3	D29	Brace	2.0268		TUB 70X70X2MM	TUB 70X70X2MM	
219	Story3	D30	Brace	1.6378		TUB 70X70X2MM	TUB 70X70X2MM	
220	Story3	D31	Brace	1.5439		TUB 70X70X2MM	TUB 70X70X2MM	
221	Story3	D32	Brace	1.4582		TUB 70X70X2MM	TUB 70X70X2MM	
222	Story3	D33	Brace	1.3819		TUB 70X70X2MM	TUB 70X70X2MM	
223	Story3	D34	Brace	1.3168		TUB 70X70X2MM	TUB 70X70X2MM	
233	Story3	D35	Brace	2.0669		TUB 70X70X2MM	TUB 70X70X2MM	
269	Story3	D36	Brace	2.4825		TUB50X50X2	TUB50X50X2	
270	Story3	D37	Brace	1.8113		TUB50X50X2	TUB50X50X2	
275	Story3	D38	Brace	1.5939		TUB50X50X2	TUB50X50X2	
276	Story3	D39	Brace	1.4271		TUB50X50X2	TUB50X50X2	
294	Story3	D43	Brace	0.7791		TUB50X50X2	TUB50X50X2	
296	Story3	D44	Brace	0.9361		TUB50X50X2	TUB50X50X2	
297	Story3	D45	Brace	1.0975		TUB50X50X2	TUB50X50X2	
298	Story3	D46	Brace	1.2614		TUB50X50X2	TUB50X50X2	
300	Story3	D47	Brace	0.6294		TUB50X50X2	TUB50X50X2	
324	Story3	D40	Brace	0.6294		TUB50X50X2	TUB50X50X2	
325	Story3	D41	Brace	0.7791		TUB50X50X2	TUB50X50X2	
326	Story3	D42	Brace	0.9361		TUB50X50X2	TUB50X50X2	
327	Story3	D48	Brace	1.0975		TUB50X50X2	TUB50X50X2	
328	Story3	D49	Brace	1.2614		TUB50X50X2	TUB50X50X2	
329	Story3	D50	Brace	1.4271		TUB50X50X2	TUB50X50X2	
330	Story3	D51	Brace	1.5939		TUB50X50X2	TUB50X50X2	
331	Story3	D52	Brace	1.8113		TUB50X50X2	TUB50X50X2	

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg
332	Story3	D53	Brace	2.4825		TUB50X50X2	TUB50X50X2	
32	Story2	B7	Beam	5.4031		V30X40	V30X40	
33	Story2	B8	Beam	6		V30X40	V30X40	
34	Story2	B9	Beam	6		V30X40	V30X40	
35	Story2	B10	Beam	3.4		V30X40	V30X40	
47	Story2	B22	Beam	1.15		V20X40	V20X40	
48	Story2	B23	Beam	5.4031		V20X40	V20X40	
49	Story2	B24	Beam	6		V20X40	V20X40	
50	Story2	B25	Beam	6		V20X40	V20X40	
51	Story2	B26	Beam	3.4		V20X40	V20X40	
52	Story2	B27	Beam	1.15		V20X40	V20X40	
53	Story2	B28	Beam	1.415		V20X40	V20X40	
54	Story2	B29	Beam	0.915		V20X40	V20X40	
55	Story2	B30	Beam	1.15		V20X40	V20X40	
56	Story2	B31	Beam	5.4031		V20X40	V20X40	
57	Story2	B32	Beam	6		V20X40	V20X40	
58	Story2	B33	Beam	6		V20X40	V20X40	
59	Story2	B34	Beam	3.4		V20X40	V20X40	
60	Story2	B35	Beam	1.15		V20X40	V20X40	
61	Story2	B36	Beam	1.415		V20X40	V20X40	
62	Story2	B37	Beam	0.915		V20X40	V20X40	
63	Story2	B38	Beam	1.15		V30X40	V30X40	
66	Story2	B41	Beam	1.15		V30X40	V30X40	
67	Story2	B42	Beam	1.415		V40x40	V40x40	
68	Story2	B43	Beam	0.915		V40x40	V40x40	
69	Story2	B44	Beam	1.415		V40x40	V40x40	
70	Story2	B45	Beam	0.915		V40x40	V40x40	
71	Story2	B46	Beam	1.415		V40x40	V40x40	
72	Story2	B47	Beam	0.915		V40x40	V40x40	
73	Story2	B48	Beam	1.415		V40x40	V40x40	
74	Story2	B49	Beam	0.915		V40x40	V40x40	
75	Story2	B50	Beam	1.415		V40x40	V40x40	
76	Story2	B51	Beam	0.915		V40x40	V40x40	
116	Story2	B62	Beam	1.03		TUB100X100X3	TUB100X100X3	
117	Story2	B63	Beam	1.2		TUB100X100X3	TUB100X100X3	
118	Story2	B64	Beam	1.2		TUB100X100X3	TUB100X100X3	
119	Story2	B65	Beam	1.2		TUB100X100X3	TUB100X100X3	
120	Story2	B66	Beam	1.2		TUB100X100X3	TUB100X100X3	
121	Story2	B67	Beam	1.2		TUB100X100X3	TUB100X100X3	
122	Story2	B68	Beam	1.555		TUB100X100X3	TUB100X100X3	
98	Story2	B19	Beam	1.03		TUB100X100X3	TUB100X100X3	
100	Story2	B20	Beam	1.2		TUB100X100X3	TUB100X100X3	
102	Story2	B21	Beam	1.2		TUB100X100X3	TUB100X100X3	
104	Story2	B39	Beam	1.2		TUB100X100X3	TUB100X100X3	
106	Story2	B40	Beam	1.2		TUB100X100X3	TUB100X100X3	
108	Story2	B52	Beam	1.2		TUB100X100X3	TUB100X100X3	
123	Story2	B53	Beam	1.555		TUB100X100X3	TUB100X100X3	
149	Story2	B79	Beam	1.03		TUB100X100X3	TUB100X100X3	
150	Story2	B80	Beam	1.2		TUB100X100X3	TUB100X100X3	
151	Story2	B81	Beam	1.2		TUB100X100X3	TUB100X100X3	
152	Story2	B82	Beam	1.2		TUB100X100X3	TUB100X100X3	
153	Story2	B83	Beam	1.2		TUB100X100X3	TUB100X100X3	
154	Story2	B84	Beam	1.2		TUB100X100X3	TUB100X100X3	
155	Story2	B85	Beam	1.555		TUB100X100X3	TUB100X100X3	
195	Story2	B104	Beam	1.03		TUB100X100X3	TUB100X100X3	
196	Story2	B105	Beam	1.2		TUB100X100X3	TUB100X100X3	
197	Story2	B106	Beam	1.2		TUB100X100X3	TUB100X100X3	
198	Story2	B107	Beam	1.2		TUB100X100X3	TUB100X100X3	
199	Story2	B108	Beam	1.2		TUB100X100X3	TUB100X100X3	

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg
200	Story2	B109	Beam	1.2		TUB100X100X3	TUB100X100X3	
201	Story2	B110	Beam	1.555		TUB100X100X3	TUB100X100X3	
225	Story2	B119	Beam	1.03		TUB100X100X3	TUB100X100X3	
226	Story2	B120	Beam	1.2		TUB100X100X3	TUB100X100X3	
227	Story2	B121	Beam	1.2		TUB100X100X3	TUB100X100X3	
228	Story2	B122	Beam	1.2		TUB100X100X3	TUB100X100X3	
229	Story2	B123	Beam	1.2		TUB100X100X3	TUB100X100X3	
230	Story2	B124	Beam	1.2		TUB100X100X3	TUB100X100X3	
231	Story2	B125	Beam	1.555		TUB100X100X3	TUB100X100X3	
11	Story2	C1	Column	0.4		C50X50	C50X50	
12	Story2	C2	Column	0.4		C50X50	C50X50	
13	Story2	C3	Column	0.4		C50X50	C50X50	
14	Story2	C4	Column	0.4		C50X50	C50X50	
15	Story2	C5	Column	0.4		C50X50	C50X50	
16	Story2	C6	Column	0.4		C50X50	C50X50	
17	Story2	C7	Column	0.4		C50X50	C50X50	
18	Story2	C8	Column	0.4		C50X50	C50X50	
19	Story2	C9	Column	0.4		C50X50	C50X50	
20	Story2	C10	Column	0.4		C50X50	C50X50	
26	Story1	B1	Beam	9.5		V40X60	V40X60	
27	Story1	B2	Beam	9.5		V40X60	V40X60	
28	Story1	B3	Beam	5.4031		V30X40	V30X40	
29	Story1	B4	Beam	6		V30X40	V30X40	
30	Story1	B5	Beam	6		V30X40	V30X40	
31	Story1	B6	Beam	3.4		V30X40	V30X40	
1	Story1	C1	Column	3.55		C50X50	C50X50	
2	Story1	C2	Column	3.55		C50X50	C50X50	
3	Story1	C3	Column	3.55		C50X50	C50X50	
4	Story1	C4	Column	3.55		C50X50	C50X50	
5	Story1	C5	Column	3.55		C50X50	C50X50	
6	Story1	C6	Column	3.55		C50X50	C50X50	
7	Story1	C7	Column	3.55		C50X50	C50X50	
8	Story1	C8	Column	3.55		C50X50	C50X50	
9	Story1	C9	Column	3.55		C50X50	C50X50	
10	Story1	C10	Column	3.55		C50X50	C50X50	

Table 1.1 - Frame Assignments - Summary (Part 2 of 3)

UniqueName	Max Station Spacing m	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers
77	0.5								
78	0.5								
79	0.5								
80	0.5								
90		3							
91		3							
92		3							
93		3							
94		3							
95		3							
96		3							
115		3							
127		3							
37		3							
38		3							
39		3							
40		3							

UniqueName	Max Station Spacing m	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers
41		3							
42		3							
43		3							
89		3							
124		3							
128		3							
129		3							
131		3							
132		3							
133		3							
134		3							
135		3							
148		3							
156		3							
175		3							
181		3							
202		3							
176		3							
177		3							
178		3							
179		3							
180		3							
194		3							
205		3							
206		3							
207		3							
208		3							
209		3							
210		3							
211		3							
224		3							
232		3							
159	0.5		Yes						
160	0.5		Yes						
161	0.5		Yes						
162	0.5		Yes						
167	0.5		Yes						
168	0.5		Yes						
169	0.5		Yes						
171	0.5		Yes						
234	0.5		Yes						
235	0.5		Yes						
236	0.5		Yes						
237	0.5		Yes						
247	0.5		Yes						
248	0.5		Yes						
249	0.5		Yes						
250	0.5		Yes						
253	0.5		Yes						
254	0.5		Yes						
255	0.5		Yes						
256	0.5		Yes						
259	0.5		Yes						
260	0.5		Yes						
261	0.5		Yes						
262	0.5		Yes						
265	0.5		Yes						
266	0.5		Yes						

UniqueName	Max Station Spacing m	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers
267	0.5		Yes						
268	0.5		Yes						
271	0.5		Yes						
272	0.5		Yes						
273	0.5		Yes						
274	0.5		Yes						
277		3							
278		3							
279		3							
280		3							
281		3							
282		3							
283		3							
284		3							
285		3							
286		3							
287		3							
288		3							
310	0.5		Yes						
311	0.5		Yes						
312	0.5		Yes						
313	0.5		Yes						
315		3							
316		3							
319		3							
320		3							
25	0.5								
164	0.5		Yes						
165	0.5								
173	0.5		Yes						
238	0.5								
239	0.5		Yes						
240	0.5								
241	0.5		Yes						
242	0.5								
243	0.5		Yes						
244	0.5								
246	0.5		Yes						
251	0.5								
252	0.5		Yes						
257	0.5								
258	0.5		Yes						
263	0.5								
264	0.5		Yes						
158	0.5		Yes						
166	0.5								
289	0.5		Yes						
290	0.5								
292	0.5		Yes						
293	0.5								
301	0.5		Yes						
302	0.5								
304	0.5		Yes						
305	0.5								
306	0.5		Yes						
308	0.5								
309	0.5		Yes						
314	0.5								

UniqueName	Max Station Spacing m	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers
317	0.5		Yes						
318	0.5								
322	0.5		Yes						
323	0.5								
21		3							
22		3							
23		3							
24		3							
170		3							
81		3							
97		3							
99		3							
101		3							
103		3							
105		3							
107		3							
36		3							
44		3							
45		3							
46		3							
64		3							
65		3							
82		3							
126		3							
136		3							
137		3							
138		3							
139		3							
140		3							
141		3							
174		3							
182		3							
183		3							
184		3							
185		3							
186		3							
187		3							
204		3							
212		3							
213		3							
214		3							
215		3							
216		3							
217		3							
109		3							
110		3							
111		3							
112		3							
113		3							
114		3							
130		3							
83		3							
84		3							
85		3							
86		3							
87		3							
88		3							
125		3							

UniqueName	Max Station Spacing m	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers
142		3							
143		3							
144		3							
145		3							
146		3							
147		3							
157		3							
188		3							
189		3							
190		3							
191		3							
192		3							
193		3							
203		3							
218		3							
219		3							
220		3							
221		3							
222		3							
223		3							
233		3							
269		3							
270		3							
275		3							
276		3							
294		3							
296		3							
297		3							
298		3							
300		3							
324		3							
325		3							
326		3							
327		3							
328		3							
329		3							
330		3							
331		3							
332		3							
32	0.5								
33	0.5								
34	0.5								
35	0.5								
47	0.5								
48	0.5								
49	0.5								
50	0.5								
51	0.5								
52	0.5								
53	0.5								
54	0.5								
55	0.5								
56	0.5								
57	0.5								
58	0.5								
59	0.5								
60	0.5								
61	0.5								

UniqueName	Max Station Spacing m	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers
62	0.5								
63	0.5								
66	0.5								
67	0.5								
68	0.5								
69	0.5								
70	0.5								
71	0.5								
72	0.5								
73	0.5								
74	0.5								
75	0.5								
76	0.5								
116	0.5								
117	0.5								
118	0.5								
119	0.5								
120	0.5								
121	0.5								
122	0.5								
98	0.5								
100	0.5								
102	0.5								
104	0.5								
106	0.5								
108	0.5								
123	0.5								
149	0.5								
150	0.5								
151	0.5								
152	0.5								
153	0.5								
154	0.5								
155	0.5								
195	0.5								
196	0.5								
197	0.5								
198	0.5								
199	0.5								
200	0.5								
201	0.5								
225	0.5								
226	0.5								
227	0.5								
228	0.5								
229	0.5								
230	0.5								
231	0.5								
11		3							
12		3							
13		3							
14		3							
15		3							
16		3							
17		3							
18		3							
19		3							
20		3							

UniqueName	Max Station Spacing m	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers
26	0.5								
27	0.5								
28	0.5								
29	0.5								
30	0.5								
31	0.5								
1		3							
2		3							
3		3							
4		3							
5		3							
6		3							
7		3							
8		3							
9		3							
10		3							

Table 1.1 - Frame Assignments - Summary (Part 3 of 3)

UniqueName	T/C Limits	Moment Beam Type
77		
78		
79		
80		
90		
91		
92		
93		
94		
95		
96		
115		
127		
37		
38		
39		
40		
41		
42		
43		
89		
124		
128		
129		
131		
132		
133		
134		
135		
148		
156		
175		
181		
202		
176		
177		

UniqueName	T/C Limits	Moment Beam Type
178		
179		
180		
194		
205		
206		
207		
208		
209		
210		
211		
224		
232		
159		
160		
161		
162		
167		
168		
169		
171		
234		
235		
236		
237		
247		
248		
249		
250		
253		
254		
255		
256		
259		
260		
261		
262		
265		
266		
267		
268		
271		
272		
273		
274		
277		
278		
279		
280		
281		
282		
283		
284		
285		
286		
287		
288		
310		
311		

UniqueName	T/C Limits	Moment Beam Type
312		
313		
315		
316		
319		
320		
25		
164		
165		
173		
238		
239		
240		
241		
242		
243		
244		
246		
251		
252		
257		
258		
263		
264		
158		
166		
289		
290		
292		
293		
301		
302		
304		
305		
306		
308		
309		
314		
317		
318		
322		
323		
21		
22		
23		
24		
170		
81		
97		
99		
101		
103		
105		
107		
36		
44		
45		
46		
64		

UniqueName	T/C Limits	Moment Beam Type
65		
82		
126		
136		
137		
138		
139		
140		
141		
174		
182		
183		
184		
185		
186		
187		
204		
212		
213		
214		
215		
216		
217		
109		
110		
111		
112		
113		
114		
130		
83		
84		
85		
86		
87		
88		
125		
142		
143		
144		
145		
146		
147		
157		
188		
189		
190		
191		
192		
193		
203		
218		
219		
220		
221		
222		
223		
233		
269		

UniqueName	T/C Limits	Moment Beam Type
270		
275		
276		
294		
296		
297		
298		
300		
324		
325		
326		
327		
328		
329		
330		
331		
332		
32		
33		
34		
35		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
116		
117		
118		
119		
120		
121		
122		
98		
100		
102		

UniqueName	T/C Limits	Moment Beam Type
104		
106		
108		
123		
149		
150		
151		
152		
153		
154		
155		
195		
196		
197		
198		
199		
200		
201		
225		
226		
227		
228		
229		
230		
231		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
26		
27		
28		
29		
30		
31		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

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
------------	-------	-------	---------------------	------------------	-----------	----------------------	----------------------------	------	----------

UniqueName	Story	Label	Section Property	Property Type	Diaphragm	Axis Angle deg	Added Mass kgf-s2/m3	Pier	Spandrel
3	Story2	F1	LOSA15	Slab		90			
4	Story2	F2	LOSA15	Slab		90			
5	Story2	F3	LOSA15	Slab		90			
6	Story2	F4	LOSA15	Slab		90			
7	Story2	F5	LOSA15	Slab		90			
8	Story2	F6	LOSA15	Slab		90			
10	Story2	F8	LOSA15	Slab		90			
11	Story2	F9	LOSA15	Slab		90			
12	Story2	F10	LOSA15	Slab		90			
13	Story2	F11	LOSA15	Slab		90			
14	Story2	F12	LOSA15	Slab		90			
15	Story2	F13	LOSA15	Slab		90			

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

UniqueName	Spandrel Story	Spring	Modifiers
3			
4			
5			
6			
7			
8			
10			
11			
12			
13			
14			
15			

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 = 0.703125

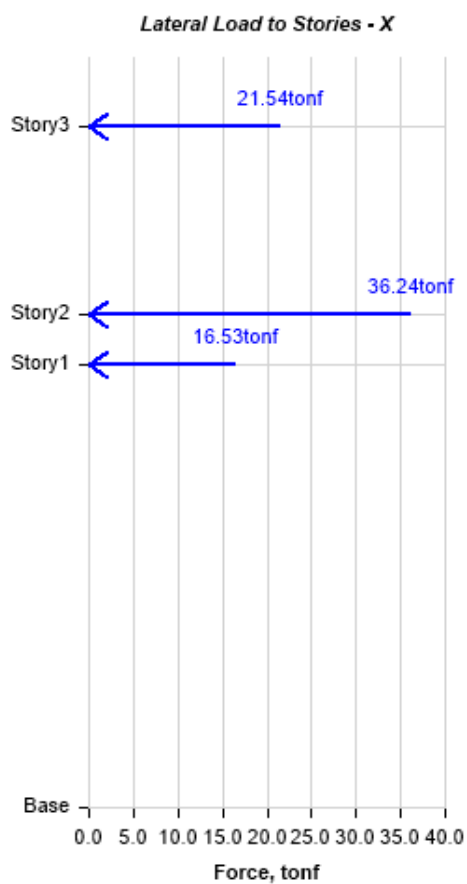
Base Shear, V

V = CW

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	105676.01	74.3

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story3	5.45	21.54	0
Story2	3.95	36.24	0
Story1	3.55	16.53	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 = 0.703125

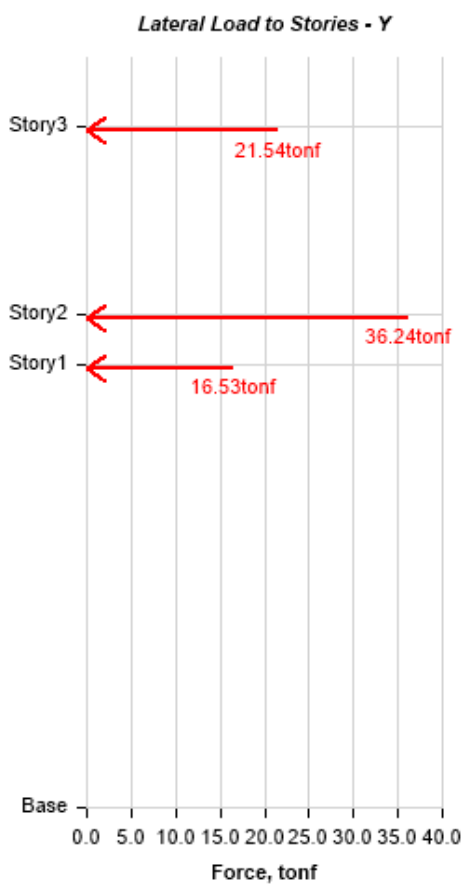
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	105676.01	74.3

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story3	5.45	0	21.54
Story2	3.95	0	36.24
Story1	3.55	0	16.53
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

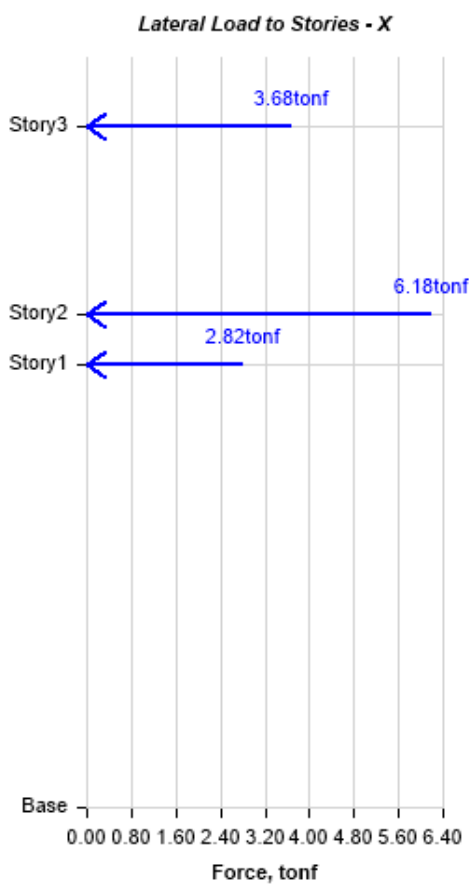
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	105676.01	12.68

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story3	5.45	3.68	0
Story2	3.95	6.18	0
Story1	3.55	2.82	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

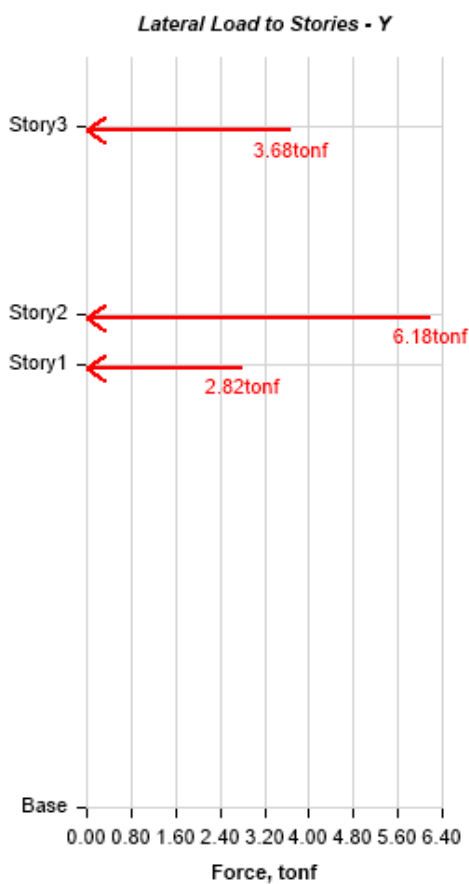
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	105676.01	12.68

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story3	5.45	0	3.68
Story2	3.95	0	6.18
Story1	3.55	0	2.82
Base	0	0	0

2.3 Applied Loads

2.3.1 Line Loads

Table 2.6 - Frame Loads Assignments - Distributed (Part 1 of 2)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
159	L	Story3	B92	Force	Gravity	Relative	0	1	0
160	L	Story3	B93	Force	Gravity	Relative	0	1	0
161	L	Story3	B94	Force	Gravity	Relative	0	1	0
162	L	Story3	B95	Force	Gravity	Relative	0	1	0
167	L	Story3	B129	Force	Gravity	Relative	0	1	0
168	L	Story3	B130	Force	Gravity	Relative	0	1	0
169	L	Story3	B131	Force	Gravity	Relative	0	1	0
171	L	Story3	B132	Force	Gravity	Relative	0	1	0
234	L	Story3	B141	Force	Gravity	Relative	0	1	0
235	L	Story3	B142	Force	Gravity	Relative	0	1	0
236	L	Story3	B143	Force	Gravity	Relative	0	1	0
237	L	Story3	B144	Force	Gravity	Relative	0	1	0
247	L	Story3	B160	Force	Gravity	Relative	0	1	0
248	L	Story3	B161	Force	Gravity	Relative	0	1	0
249	L	Story3	B162	Force	Gravity	Relative	0	1	0
250	L	Story3	B163	Force	Gravity	Relative	0	1	0
253	L	Story3	B172	Force	Gravity	Relative	0	1	0
254	L	Story3	B173	Force	Gravity	Relative	0	1	0
255	L	Story3	B174	Force	Gravity	Relative	0	1	0
256	L	Story3	B175	Force	Gravity	Relative	0	1	0
259	L	Story3	B184	Force	Gravity	Relative	0	1	0
260	L	Story3	B185	Force	Gravity	Relative	0	1	0
261	L	Story3	B186	Force	Gravity	Relative	0	1	0
262	L	Story3	B187	Force	Gravity	Relative	0	1	0
265	L	Story3	B196	Force	Gravity	Relative	0	1	0
266	L	Story3	B197	Force	Gravity	Relative	0	1	0
267	L	Story3	B198	Force	Gravity	Relative	0	1	0
268	L	Story3	B199	Force	Gravity	Relative	0	1	0
271	L	Story3	B208	Force	Gravity	Relative	0	1	0
272	L	Story3	B209	Force	Gravity	Relative	0	1	0
273	L	Story3	B210	Force	Gravity	Relative	0	1	0
274	L	Story3	B211	Force	Gravity	Relative	0	1	0
310	L	Story3	B253	Force	Gravity	Relative	0	1	0
311	L	Story3	B254	Force	Gravity	Relative	0	1	0
312	L	Story3	B255	Force	Gravity	Relative	0	1	0
313	L	Story3	B256	Force	Gravity	Relative	0	1	0
25	L	Story3	B90	Force	Gravity	Relative	0	1	0
164	L	Story3	B97	Force	Gravity	Relative	0	1	0
165	L	Story3	B127	Force	Gravity	Relative	0	1	0
173	L	Story3	B134	Force	Gravity	Relative	0	1	0
238	L	Story3	B135	Force	Gravity	Relative	0	1	0
239	L	Story3	B136	Force	Gravity	Relative	0	1	0
240	L	Story3	B137	Force	Gravity	Relative	0	1	0
241	L	Story3	B138	Force	Gravity	Relative	0	1	0
242	L	Story3	B139	Force	Gravity	Relative	0	1	0
243	L	Story3	B140	Force	Gravity	Relative	0	1	0
244	L	Story3	B145	Force	Gravity	Relative	0	1	0
246	L	Story3	B146	Force	Gravity	Relative	0	1	0
251	L	Story3	B147	Force	Gravity	Relative	0	1	0
252	L	Story3	B148	Force	Gravity	Relative	0	1	0
257	L	Story3	B149	Force	Gravity	Relative	0	1	0
258	L	Story3	B150	Force	Gravity	Relative	0	1	0
263	L	Story3	B153	Force	Gravity	Relative	0	1	0

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
264	L	Story3	B154	Force	Gravity	Relative	0	1	0
158	L	Story3	B91	Force	Gravity	Relative	0	1	0
166	L	Story3	B128	Force	Gravity	Relative	0	1	0
289	L	Story3	B151	Force	Gravity	Relative	0	1	0
290	L	Story3	B155	Force	Gravity	Relative	0	1	0
292	L	Story3	B156	Force	Gravity	Relative	0	1	0
293	L	Story3	B157	Force	Gravity	Relative	0	1	0
301	L	Story3	B158	Force	Gravity	Relative	0	1	0
302	L	Story3	B159	Force	Gravity	Relative	0	1	0
304	L	Story3	B164	Force	Gravity	Relative	0	1	0
305	L	Story3	B165	Force	Gravity	Relative	0	1	0
306	L	Story3	B166	Force	Gravity	Relative	0	1	0
308	L	Story3	B167	Force	Gravity	Relative	0	1	0
309	L	Story3	B168	Force	Gravity	Relative	0	1	0
314	L	Story3	B169	Force	Gravity	Relative	0	1	0
317	L	Story3	B170	Force	Gravity	Relative	0	1	0
318	L	Story3	B171	Force	Gravity	Relative	0	1	0
322	L	Story3	B176	Force	Gravity	Relative	0	1	0
323	L	Story3	B177	Force	Gravity	Relative	0	1	0
159	DS	Story3	B92	Force	Gravity	Relative	0	1	0
160	DS	Story3	B93	Force	Gravity	Relative	0	1	0
161	DS	Story3	B94	Force	Gravity	Relative	0	1	0
162	DS	Story3	B95	Force	Gravity	Relative	0	1	0
167	DS	Story3	B129	Force	Gravity	Relative	0	1	0
168	DS	Story3	B130	Force	Gravity	Relative	0	1	0
169	DS	Story3	B131	Force	Gravity	Relative	0	1	0
171	DS	Story3	B132	Force	Gravity	Relative	0	1	0
234	DS	Story3	B141	Force	Gravity	Relative	0	1	0
235	DS	Story3	B142	Force	Gravity	Relative	0	1	0
236	DS	Story3	B143	Force	Gravity	Relative	0	1	0
237	DS	Story3	B144	Force	Gravity	Relative	0	1	0
247	DS	Story3	B160	Force	Gravity	Relative	0	1	0
248	DS	Story3	B161	Force	Gravity	Relative	0	1	0
249	DS	Story3	B162	Force	Gravity	Relative	0	1	0
250	DS	Story3	B163	Force	Gravity	Relative	0	1	0
253	DS	Story3	B172	Force	Gravity	Relative	0	1	0
254	DS	Story3	B173	Force	Gravity	Relative	0	1	0
255	DS	Story3	B174	Force	Gravity	Relative	0	1	0
256	DS	Story3	B175	Force	Gravity	Relative	0	1	0
259	DS	Story3	B184	Force	Gravity	Relative	0	1	0
260	DS	Story3	B185	Force	Gravity	Relative	0	1	0
261	DS	Story3	B186	Force	Gravity	Relative	0	1	0
262	DS	Story3	B187	Force	Gravity	Relative	0	1	0
265	DS	Story3	B196	Force	Gravity	Relative	0	1	0
266	DS	Story3	B197	Force	Gravity	Relative	0	1	0
267	DS	Story3	B198	Force	Gravity	Relative	0	1	0
268	DS	Story3	B199	Force	Gravity	Relative	0	1	0
271	DS	Story3	B208	Force	Gravity	Relative	0	1	0
272	DS	Story3	B209	Force	Gravity	Relative	0	1	0
273	DS	Story3	B210	Force	Gravity	Relative	0	1	0
274	DS	Story3	B211	Force	Gravity	Relative	0	1	0
310	DS	Story3	B253	Force	Gravity	Relative	0	1	0
311	DS	Story3	B254	Force	Gravity	Relative	0	1	0
312	DS	Story3	B255	Force	Gravity	Relative	0	1	0
313	DS	Story3	B256	Force	Gravity	Relative	0	1	0
25	DS	Story3	B90	Force	Gravity	Relative	0	1	0
164	DS	Story3	B97	Force	Gravity	Relative	0	1	0
165	DS	Story3	B127	Force	Gravity	Relative	0	1	0

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
173	DS	Story3	B134	Force	Gravity	Relative	0	1	0
238	DS	Story3	B135	Force	Gravity	Relative	0	1	0
239	DS	Story3	B136	Force	Gravity	Relative	0	1	0
240	DS	Story3	B137	Force	Gravity	Relative	0	1	0
241	DS	Story3	B138	Force	Gravity	Relative	0	1	0
242	DS	Story3	B139	Force	Gravity	Relative	0	1	0
243	DS	Story3	B140	Force	Gravity	Relative	0	1	0
244	DS	Story3	B145	Force	Gravity	Relative	0	1	0
246	DS	Story3	B146	Force	Gravity	Relative	0	1	0
251	DS	Story3	B147	Force	Gravity	Relative	0	1	0
252	DS	Story3	B148	Force	Gravity	Relative	0	1	0
257	DS	Story3	B149	Force	Gravity	Relative	0	1	0
258	DS	Story3	B150	Force	Gravity	Relative	0	1	0
263	DS	Story3	B153	Force	Gravity	Relative	0	1	0
264	DS	Story3	B154	Force	Gravity	Relative	0	1	0
158	DS	Story3	B91	Force	Gravity	Relative	0	1	0
166	DS	Story3	B128	Force	Gravity	Relative	0	1	0
289	DS	Story3	B151	Force	Gravity	Relative	0	1	0
290	DS	Story3	B155	Force	Gravity	Relative	0	1	0
292	DS	Story3	B156	Force	Gravity	Relative	0	1	0
293	DS	Story3	B157	Force	Gravity	Relative	0	1	0
301	DS	Story3	B158	Force	Gravity	Relative	0	1	0
302	DS	Story3	B159	Force	Gravity	Relative	0	1	0
304	DS	Story3	B164	Force	Gravity	Relative	0	1	0
305	DS	Story3	B165	Force	Gravity	Relative	0	1	0
306	DS	Story3	B166	Force	Gravity	Relative	0	1	0
308	DS	Story3	B167	Force	Gravity	Relative	0	1	0
309	DS	Story3	B168	Force	Gravity	Relative	0	1	0
314	DS	Story3	B169	Force	Gravity	Relative	0	1	0
317	DS	Story3	B170	Force	Gravity	Relative	0	1	0
318	DS	Story3	B171	Force	Gravity	Relative	0	1	0
322	DS	Story3	B176	Force	Gravity	Relative	0	1	0
323	DS	Story3	B177	Force	Gravity	Relative	0	1	0
159	W1	Story3	B92	Force	Gravity	Relative	0	1	0
160	W1	Story3	B93	Force	Gravity	Relative	0	1	0
161	W1	Story3	B94	Force	Gravity	Relative	0	1	0
162	W1	Story3	B95	Force	Gravity	Relative	0	1	0
167	W1	Story3	B129	Force	Gravity	Relative	0	1	0
168	W1	Story3	B130	Force	Gravity	Relative	0	1	0
169	W1	Story3	B131	Force	Gravity	Relative	0	1	0
171	W1	Story3	B132	Force	Gravity	Relative	0	1	0
234	W1	Story3	B141	Force	Gravity	Relative	0	1	0
235	W1	Story3	B142	Force	Gravity	Relative	0	1	0
236	W1	Story3	B143	Force	Gravity	Relative	0	1	0
237	W1	Story3	B144	Force	Gravity	Relative	0	1	0
247	W1	Story3	B160	Force	Gravity	Relative	0	1	0
248	W1	Story3	B161	Force	Gravity	Relative	0	1	0
249	W1	Story3	B162	Force	Gravity	Relative	0	1	0
250	W1	Story3	B163	Force	Gravity	Relative	0	1	0
253	W1	Story3	B172	Force	Gravity	Relative	0	1	0
254	W1	Story3	B173	Force	Gravity	Relative	0	1	0
255	W1	Story3	B174	Force	Gravity	Relative	0	1	0
256	W1	Story3	B175	Force	Gravity	Relative	0	1	0
259	W1	Story3	B184	Force	Gravity	Relative	0	1	0
260	W1	Story3	B185	Force	Gravity	Relative	0	1	0
261	W1	Story3	B186	Force	Gravity	Relative	0	1	0
262	W1	Story3	B187	Force	Gravity	Relative	0	1	0
265	W1	Story3	B196	Force	Gravity	Relative	0	1	0

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
266	W1	Story3	B197	Force	Gravity	Relative	0	1	0
267	W1	Story3	B198	Force	Gravity	Relative	0	1	0
268	W1	Story3	B199	Force	Gravity	Relative	0	1	0
271	W1	Story3	B208	Force	Gravity	Relative	0	1	0
272	W1	Story3	B209	Force	Gravity	Relative	0	1	0
273	W1	Story3	B210	Force	Gravity	Relative	0	1	0
274	W1	Story3	B211	Force	Gravity	Relative	0	1	0
310	W1	Story3	B253	Force	Gravity	Relative	0	1	0
311	W1	Story3	B254	Force	Gravity	Relative	0	1	0
312	W1	Story3	B255	Force	Gravity	Relative	0	1	0
313	W1	Story3	B256	Force	Gravity	Relative	0	1	0
25	W1	Story3	B90	Force	Gravity	Relative	0	1	0
164	W1	Story3	B97	Force	Gravity	Relative	0	1	0
165	W1	Story3	B127	Force	Gravity	Relative	0	1	0
173	W1	Story3	B134	Force	Gravity	Relative	0	1	0
238	W1	Story3	B135	Force	Gravity	Relative	0	1	0
239	W1	Story3	B136	Force	Gravity	Relative	0	1	0
240	W1	Story3	B137	Force	Gravity	Relative	0	1	0
241	W1	Story3	B138	Force	Gravity	Relative	0	1	0
242	W1	Story3	B139	Force	Gravity	Relative	0	1	0
243	W1	Story3	B140	Force	Gravity	Relative	0	1	0
244	W1	Story3	B145	Force	Gravity	Relative	0	1	0
246	W1	Story3	B146	Force	Gravity	Relative	0	1	0
251	W1	Story3	B147	Force	Gravity	Relative	0	1	0
252	W1	Story3	B148	Force	Gravity	Relative	0	1	0
257	W1	Story3	B149	Force	Gravity	Relative	0	1	0
258	W1	Story3	B150	Force	Gravity	Relative	0	1	0
263	W1	Story3	B153	Force	Gravity	Relative	0	1	0
264	W1	Story3	B154	Force	Gravity	Relative	0	1	0
158	W1	Story3	B91	Force	Gravity	Relative	0	1	0
166	W1	Story3	B128	Force	Gravity	Relative	0	1	0
289	W1	Story3	B151	Force	Gravity	Relative	0	1	0
290	W1	Story3	B155	Force	Gravity	Relative	0	1	0
292	W1	Story3	B156	Force	Gravity	Relative	0	1	0
293	W1	Story3	B157	Force	Gravity	Relative	0	1	0
301	W1	Story3	B158	Force	Gravity	Relative	0	1	0
302	W1	Story3	B159	Force	Gravity	Relative	0	1	0
304	W1	Story3	B164	Force	Gravity	Relative	0	1	0
305	W1	Story3	B165	Force	Gravity	Relative	0	1	0
306	W1	Story3	B166	Force	Gravity	Relative	0	1	0
308	W1	Story3	B167	Force	Gravity	Relative	0	1	0
309	W1	Story3	B168	Force	Gravity	Relative	0	1	0
314	W1	Story3	B169	Force	Gravity	Relative	0	1	0
317	W1	Story3	B170	Force	Gravity	Relative	0	1	0
318	W1	Story3	B171	Force	Gravity	Relative	0	1	0
322	W1	Story3	B176	Force	Gravity	Relative	0	1	0
323	W1	Story3	B177	Force	Gravity	Relative	0	1	0
159	W2	Story3	B92	Force	Gravity	Relative	0	1	0
160	W2	Story3	B93	Force	Gravity	Relative	0	1	0
161	W2	Story3	B94	Force	Gravity	Relative	0	1	0
162	W2	Story3	B95	Force	Gravity	Relative	0	1	0
167	W2	Story3	B129	Force	Gravity	Relative	0	1	0
168	W2	Story3	B130	Force	Gravity	Relative	0	1	0
169	W2	Story3	B131	Force	Gravity	Relative	0	1	0
171	W2	Story3	B132	Force	Gravity	Relative	0	1	0
234	W2	Story3	B141	Force	Gravity	Relative	0	1	0
235	W2	Story3	B142	Force	Gravity	Relative	0	1	0
236	W2	Story3	B143	Force	Gravity	Relative	0	1	0

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
237	W2	Story3	B144	Force	Gravity	Relative	0	1	0
247	W2	Story3	B160	Force	Gravity	Relative	0	1	0
248	W2	Story3	B161	Force	Gravity	Relative	0	1	0
249	W2	Story3	B162	Force	Gravity	Relative	0	1	0
250	W2	Story3	B163	Force	Gravity	Relative	0	1	0
253	W2	Story3	B172	Force	Gravity	Relative	0	1	0
254	W2	Story3	B173	Force	Gravity	Relative	0	1	0
255	W2	Story3	B174	Force	Gravity	Relative	0	1	0
256	W2	Story3	B175	Force	Gravity	Relative	0	1	0
259	W2	Story3	B184	Force	Gravity	Relative	0	1	0
260	W2	Story3	B185	Force	Gravity	Relative	0	1	0
261	W2	Story3	B186	Force	Gravity	Relative	0	1	0
262	W2	Story3	B187	Force	Gravity	Relative	0	1	0
265	W2	Story3	B196	Force	Gravity	Relative	0	1	0
266	W2	Story3	B197	Force	Gravity	Relative	0	1	0
267	W2	Story3	B198	Force	Gravity	Relative	0	1	0
268	W2	Story3	B199	Force	Gravity	Relative	0	1	0
271	W2	Story3	B208	Force	Gravity	Relative	0	1	0
272	W2	Story3	B209	Force	Gravity	Relative	0	1	0
273	W2	Story3	B210	Force	Gravity	Relative	0	1	0
274	W2	Story3	B211	Force	Gravity	Relative	0	1	0
310	W2	Story3	B253	Force	Gravity	Relative	0	1	0
311	W2	Story3	B254	Force	Gravity	Relative	0	1	0
312	W2	Story3	B255	Force	Gravity	Relative	0	1	0
313	W2	Story3	B256	Force	Gravity	Relative	0	1	0
25	W2	Story3	B90	Force	Gravity	Relative	0	1	0
164	W2	Story3	B97	Force	Gravity	Relative	0	1	0
165	W2	Story3	B127	Force	Gravity	Relative	0	1	0
173	W2	Story3	B134	Force	Gravity	Relative	0	1	0
238	W2	Story3	B135	Force	Gravity	Relative	0	1	0
239	W2	Story3	B136	Force	Gravity	Relative	0	1	0
240	W2	Story3	B137	Force	Gravity	Relative	0	1	0
241	W2	Story3	B138	Force	Gravity	Relative	0	1	0
242	W2	Story3	B139	Force	Gravity	Relative	0	1	0
243	W2	Story3	B140	Force	Gravity	Relative	0	1	0
244	W2	Story3	B145	Force	Gravity	Relative	0	1	0
246	W2	Story3	B146	Force	Gravity	Relative	0	1	0
251	W2	Story3	B147	Force	Gravity	Relative	0	1	0
252	W2	Story3	B148	Force	Gravity	Relative	0	1	0
257	W2	Story3	B149	Force	Gravity	Relative	0	1	0
258	W2	Story3	B150	Force	Gravity	Relative	0	1	0
263	W2	Story3	B153	Force	Gravity	Relative	0	1	0
264	W2	Story3	B154	Force	Gravity	Relative	0	1	0
158	W2	Story3	B91	Force	Gravity	Relative	0	1	0
166	W2	Story3	B128	Force	Gravity	Relative	0	1	0
289	W2	Story3	B151	Force	Gravity	Relative	0	1	0
290	W2	Story3	B155	Force	Gravity	Relative	0	1	0
292	W2	Story3	B156	Force	Gravity	Relative	0	1	0
293	W2	Story3	B157	Force	Gravity	Relative	0	1	0
301	W2	Story3	B158	Force	Gravity	Relative	0	1	0
302	W2	Story3	B159	Force	Gravity	Relative	0	1	0
304	W2	Story3	B164	Force	Gravity	Relative	0	1	0
305	W2	Story3	B165	Force	Gravity	Relative	0	1	0
306	W2	Story3	B166	Force	Gravity	Relative	0	1	0
308	W2	Story3	B167	Force	Gravity	Relative	0	1	0
309	W2	Story3	B168	Force	Gravity	Relative	0	1	0
314	W2	Story3	B169	Force	Gravity	Relative	0	1	0
317	W2	Story3	B170	Force	Gravity	Relative	0	1	0

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
318	W2	Story3	B171	Force	Gravity	Relative	0	1	0
322	W2	Story3	B176	Force	Gravity	Relative	0	1	0
323	W2	Story3	B177	Force	Gravity	Relative	0	1	0

Table 2.6 - Frame Loads Assignments - Distributed (Part 2 of 2)

UniqueName	Load Pattern	Absolute Distance B m	Force A kgf/m	Force B kgf/m	Moment A kgf-m/m	Moment B kgf-m/m
159	L	5.4031	60	60		
160	L	6	60	60		
161	L	6	60	60		
162	L	3.4	60	60		
167	L	5.4031	60	60		
168	L	6	60	60		
169	L	6	60	60		
171	L	3.4	60	60		
234	L	5.4031	60	60		
235	L	6	60	60		
236	L	6	60	60		
237	L	3.4	60	60		
247	L	5.4031	60	60		
248	L	6	60	60		
249	L	6	60	60		
250	L	3.4	60	60		
253	L	5.4031	60	60		
254	L	6	60	60		
255	L	6	60	60		
256	L	3.4	60	60		
259	L	5.4031	60	60		
260	L	6	60	60		
261	L	6	60	60		
262	L	3.4	60	60		
265	L	5.4031	60	60		
266	L	6	60	60		
267	L	6	60	60		
268	L	3.4	60	60		
271	L	5.4031	60	60		
272	L	6	60	60		
273	L	6	60	60		
274	L	3.4	60	60		
310	L	5.4031	60	60		
311	L	6	60	60		
312	L	6	60	60		
313	L	3.4	60	60		
25	L	1.375	60	60		
164	L	1.375	60	60		
165	L	0.575	60	60		
173	L	0.575	60	60		
238	L	1.1394	60	60		
239	L	1.1394	60	60		
240	L	1.0454	60	60		
241	L	1.0454	60	60		
242	L	0.9513	60	60		
243	L	0.9513	60	60		
244	L	0.8572	60	60		
246	L	0.8572	60	60		

UniqueName	Load Pattern	Absolute Distance B m	Force A kgf/m	Force B kgf/m	Moment A kgf-m/m	Moment B kgf-m/m
251	L	0.7631	60	60		
252	L	0.7631	60	60		
257	L	0.6691	60	60		
258	L	0.6691	60	60		
263	L	1.2613	60	60		
264	L	1.2613	60	60		
158	L	1.375	60	60		
166	L	1.375	60	60		
289	L	0.575	60	60		
290	L	0.575	60	60		
292	L	1.1394	60	60		
293	L	1.1394	60	60		
301	L	1.0454	60	60		
302	L	1.0454	60	60		
304	L	0.9513	60	60		
305	L	0.9513	60	60		
306	L	0.8572	60	60		
308	L	0.8572	60	60		
309	L	0.7631	60	60		
314	L	0.7631	60	60		
317	L	0.6691	60	60		
318	L	0.6691	60	60		
322	L	1.2613	60	60		
323	L	1.2613	60	60		
159	DS	5.4031	96	96		
160	DS	6	96	96		
161	DS	6	96	96		
162	DS	3.4	96	96		
167	DS	5.4031	96	96		
168	DS	6	96	96		
169	DS	6	96	96		
171	DS	3.4	96	96		
234	DS	5.4031	96	96		
235	DS	6	96	96		
236	DS	6	96	96		
237	DS	3.4	96	96		
247	DS	5.4031	96	96		
248	DS	6	96	96		
249	DS	6	96	96		
250	DS	3.4	96	96		
253	DS	5.4031	96	96		
254	DS	6	96	96		
255	DS	6	96	96		
256	DS	3.4	96	96		
259	DS	5.4031	96	96		
260	DS	6	96	96		
261	DS	6	96	96		
262	DS	3.4	96	96		
265	DS	5.4031	96	96		
266	DS	6	96	96		
267	DS	6	96	96		
268	DS	3.4	96	96		
271	DS	5.4031	96	96		
272	DS	6	96	96		
273	DS	6	96	96		
274	DS	3.4	96	96		
310	DS	5.4031	96	96		
311	DS	6	96	96		

UniqueName	Load Pattern	Absolute Distance B m	Force A kgf/m	Force B kgf/m	Moment A kgf-m/m	Moment B kgf-m/m
312	DS	6	96	96		
313	DS	3.4	96	96		
25	DS	1.375	96	96		
164	DS	1.375	96	96		
165	DS	0.575	96	96		
173	DS	0.575	96	96		
238	DS	1.1394	96	96		
239	DS	1.1394	96	96		
240	DS	1.0454	96	96		
241	DS	1.0454	96	96		
242	DS	0.9513	96	96		
243	DS	0.9513	96	96		
244	DS	0.8572	96	96		
246	DS	0.8572	96	96		
251	DS	0.7631	96	96		
252	DS	0.7631	96	96		
257	DS	0.6691	96	96		
258	DS	0.6691	96	96		
263	DS	1.2613	96	96		
264	DS	1.2613	96	96		
158	DS	1.375	96	96		
166	DS	1.375	96	96		
289	DS	0.575	96	96		
290	DS	0.575	96	96		
292	DS	1.1394	96	96		
293	DS	1.1394	96	96		
301	DS	1.0454	96	96		
302	DS	1.0454	96	96		
304	DS	0.9513	96	96		
305	DS	0.9513	96	96		
306	DS	0.8572	96	96		
308	DS	0.8572	96	96		
309	DS	0.7631	96	96		
314	DS	0.7631	96	96		
317	DS	0.6691	96	96		
318	DS	0.6691	96	96		
322	DS	1.2613	96	96		
323	DS	1.2613	96	96		
159	W1	5.4031	90	90		
160	W1	6	90	90		
161	W1	6	90	90		
162	W1	3.4	90	90		
167	W1	5.4031	90	90		
168	W1	6	90	90		
169	W1	6	90	90		
171	W1	3.4	90	90		
234	W1	5.4031	90	90		
235	W1	6	90	90		
236	W1	6	90	90		
237	W1	3.4	90	90		
247	W1	5.4031	90	90		
248	W1	6	90	90		
249	W1	6	90	90		
250	W1	3.4	90	90		
253	W1	5.4031	90	90		
254	W1	6	90	90		
255	W1	6	90	90		
256	W1	3.4	90	90		

UniqueName	Load Pattern	Absolute Distance B m	Force A kgf/m	Force B kgf/m	Moment A kgf-m/m	Moment B kgf-m/m
259	W1	5.4031	90	90		
260	W1	6	90	90		
261	W1	6	90	90		
262	W1	3.4	90	90		
265	W1	5.4031	90	90		
266	W1	6	90	90		
267	W1	6	90	90		
268	W1	3.4	90	90		
271	W1	5.4031	90	90		
272	W1	6	90	90		
273	W1	6	90	90		
274	W1	3.4	90	90		
310	W1	5.4031	90	90		
311	W1	6	90	90		
312	W1	6	90	90		
313	W1	3.4	90	90		
25	W1	1.375	90	90		
164	W1	1.375	90	90		
165	W1	0.575	90	90		
173	W1	0.575	90	90		
238	W1	1.1394	90	90		
239	W1	1.1394	90	90		
240	W1	1.0454	90	90		
241	W1	1.0454	90	90		
242	W1	0.9513	90	90		
243	W1	0.9513	90	90		
244	W1	0.8572	90	90		
246	W1	0.8572	90	90		
251	W1	0.7631	90	90		
252	W1	0.7631	90	90		
257	W1	0.6691	90	90		
258	W1	0.6691	90	90		
263	W1	1.2613	90	90		
264	W1	1.2613	90	90		
158	W1	1.375	90	90		
166	W1	1.375	90	90		
289	W1	0.575	90	90		
290	W1	0.575	90	90		
292	W1	1.1394	90	90		
293	W1	1.1394	90	90		
301	W1	1.0454	90	90		
302	W1	1.0454	90	90		
304	W1	0.9513	90	90		
305	W1	0.9513	90	90		
306	W1	0.8572	90	90		
308	W1	0.8572	90	90		
309	W1	0.7631	90	90		
314	W1	0.7631	90	90		
317	W1	0.6691	90	90		
318	W1	0.6691	90	90		
322	W1	1.2613	90	90		
323	W1	1.2613	90	90		
159	W2	5.4031	-48	-48		
160	W2	6	-48	-48		
161	W2	6	-48	-48		
162	W2	3.4	-48	-48		
167	W2	5.4031	-48	-48		
168	W2	6	-48	-48		

UniqueName	Load Pattern	Absolute Distance B m	Force A kgf/m	Force B kgf/m	Moment A kgf-m/m	Moment B kgf-m/m
169	W2	6	-48	-48		
171	W2	3.4	-48	-48		
234	W2	5.4031	-48	-48		
235	W2	6	-48	-48		
236	W2	6	-48	-48		
237	W2	3.4	-48	-48		
247	W2	5.4031	-48	-48		
248	W2	6	-48	-48		
249	W2	6	-48	-48		
250	W2	3.4	-48	-48		
253	W2	5.4031	-48	-48		
254	W2	6	-48	-48		
255	W2	6	-48	-48		
256	W2	3.4	-48	-48		
259	W2	5.4031	-48	-48		
260	W2	6	-48	-48		
261	W2	6	-48	-48		
262	W2	3.4	-48	-48		
265	W2	5.4031	-48	-48		
266	W2	6	-48	-48		
267	W2	6	-48	-48		
268	W2	3.4	-48	-48		
271	W2	5.4031	-48	-48		
272	W2	6	-48	-48		
273	W2	6	-48	-48		
274	W2	3.4	-48	-48		
310	W2	5.4031	-48	-48		
311	W2	6	-48	-48		
312	W2	6	-48	-48		
313	W2	3.4	-48	-48		
25	W2	1.375	-48	-48		
164	W2	1.375	-48	-48		
165	W2	0.575	-48	-48		
173	W2	0.575	-48	-48		
238	W2	1.1394	-48	-48		
239	W2	1.1394	-48	-48		
240	W2	1.0454	-48	-48		
241	W2	1.0454	-48	-48		
242	W2	0.9513	-48	-48		
243	W2	0.9513	-48	-48		
244	W2	0.8572	-48	-48		
246	W2	0.8572	-48	-48		
251	W2	0.7631	-48	-48		
252	W2	0.7631	-48	-48		
257	W2	0.6691	-48	-48		
258	W2	0.6691	-48	-48		
263	W2	1.2613	-48	-48		
264	W2	1.2613	-48	-48		
158	W2	1.375	-48	-48		
166	W2	1.375	-48	-48		
289	W2	0.575	-48	-48		
290	W2	0.575	-48	-48		
292	W2	1.1394	-48	-48		
293	W2	1.1394	-48	-48		
301	W2	1.0454	-48	-48		
302	W2	1.0454	-48	-48		
304	W2	0.9513	-48	-48		
305	W2	0.9513	-48	-48		

UniqueName	Load Pattern	Absolute Distance B m	Force A kgf/m	Force B kgf/m	Moment A kgf-m/m	Moment B kgf-m/m
306	W2	0.8572	-48	-48		
308	W2	0.8572	-48	-48		
309	W2	0.7631	-48	-48		
314	W2	0.7631	-48	-48		
317	W2	0.6691	-48	-48		
318	W2	0.6691	-48	-48		
322	W2	1.2613	-48	-48		
323	W2	1.2613	-48	-48		

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
Curumani	0	0.703125	0.15	0.1	0.08	0.04	3	1.5	2.4	0.05
Curumani	0.1	0.703125								
Curumani	0.2	0.703125								
Curumani	0.3	0.703125								
Curumani	0.4	0.703125								
Curumani	0.5	0.703125								
Curumani	0.6	0.6								
Curumani	0.7	0.514286								
Curumani	0.8	0.45								
Curumani	0.9	0.4								
Curumani	1	0.36								
Curumani	1.2	0.3								
Curumani	1.5	0.24								
Curumani	1.7	0.211765								
Curumani	2	0.18								
Curumani	2.5	0.144								
Curumani	3	0.12								
Curumani	3.5	0.102857								
Curumani	4	0.09								
Curumani	5	0.072								
Curumani	8	0.0324								
Curumani	11	0.017137								
Curumani	15	0.009216								

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	1.6	0.113	
UMBRAL DE DAÑO	2	0.09	
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	

Name	Period sec	Value	Damping Ratio
UMBRAL DE DAÑO	6.5	0.028	
UMBRAL DE DAÑO	7.2	0.025	

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

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+0.7SY			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+0.7SY			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	

Name	Type	Is Auto	Load Name	Mode	SF	Notes
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	
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	Dead [Deflections]
DStID1			DS		1	
DStID2	Linear Add	Yes	Dead		1	Dead + Live [Deflections]
DStID2			Live		1	
DStID2			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	

Name	Type	Is Auto	Load Name	Mode	SF	Notes
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	
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	

Name	Type	Is Auto	Load Name	Mode	SF	Notes
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	
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	

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+1.0SX-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+1.6H	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	91.72	320.33	-972.53
Live	LinStatic				0	0	13.31	76.99	-138.41
SX	LinRespSpec	Max			16.16	0.14	0	0.61	69.55
SY	LinRespSpec	Max			0.15	18.91	0	80.99	0.56
SXEST	LinStatic				-79.5	0	0	0	-341.54
SYEST	LinStatic				0	-79.5	0	341.54	0
DS	LinStatic				0	0	21.29	123.19	-221.45
W1	LinStatic				0	0	19.96	115.49	-207.61
W2	LinStatic				0	0	-10.65	-61.6	110.73
SX-UMBRAL	LinRespSpec	Max			13.39	0.12	0	0.52	57.6
SY-UMBRAL	LinRespSpec	Max			0.09	12.71	0	54.46	0.35
SX-UMBRAL-EST	LinStatic				-13.57	0	0	0	-58.29
SY-UMBRAL-EST	LinStatic				0	-13.57	0	58.29	0
ELS 1.0D	Combination				0	0	113.01	443.52	-1193.99
ELS 1.0D+1.0L	Combination				0	0	126.32	520.52	-1332.4
ELS 1.0D+0.75L	Combination				0	0	122.99	501.27	-1297.79
ELS 1.0D+0.7SX	Combination	Max			11.31	0.1	113.01	443.95	-1145.3
ELS 1.0D+0.7SX	Combination	Min			-11.31	-0.1	113.01	443.09	-1242.67
ELS 1.0D+0.7SY	Combination	Max			0.1	13.24	113.01	500.22	-1193.59
ELS 1.0D+0.7SY	Combination	Min			-0.1	-13.24	113.01	386.83	-1194.38
ELS 1.0D+0.75L+0.525SX	Combination	Max			8.48	0.08	122.99	501.59	-1261.28
ELS 1.0D+0.75L+0.525SX	Combination	Min			-8.48	-0.08	122.99	500.95	-1334.31
ELS 1.0D+0.75L+0.525SY	Combination	Max			0.08	9.93	122.99	543.79	-1297.5
ELS 1.0D+0.75L+0.525SY	Combination	Min			-0.08	-9.93	122.99	458.75	-1298.09
ELS 0.6D+0.7SX	Combination	Max			11.31	0.1	67.81	266.54	-667.71
ELS 0.6D+0.7SX	Combination	Min			-11.31	-0.1	67.81	265.69	-765.08
ELS 0.6D+0.7SY	Combination	Max			0.1	13.24	67.81	322.81	-716
ELS 0.6D+0.7SY	Combination	Min			-0.1	-13.24	67.81	209.42	-716.79
ELU 1.4D	Combination				0	0	158.22	620.93	-1671.58
ELU 1.2D+1.6L	Combination				0	0	156.9	655.42	-1654.24
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			16.2	5.82	148.92	634.13	-1501.48
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			-16.2	-5.82	148.92	584.31	-1640.91
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			5	18.95	148.92	690.4	-1549.77
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			-5	-18.95	148.92	528.05	-1592.62
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			16.2	5.82	148.92	634.13	-1501.48
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			-16.2	-5.82	148.92	584.31	-1640.91
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			5	18.95	148.92	690.4	-1549.77
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			-5	-18.95	148.92	528.05	-1592.62
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			16.2	5.82	148.92	634.13	-1501.48
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			-16.2	-5.82	148.92	584.31	-1640.91
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			5	18.95	148.92	690.4	-1549.77
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			-5	-18.95	148.92	528.05	-1592.62
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			16.2	5.82	148.92	634.13	-1501.48
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			-16.2	-5.82	148.92	584.31	-1640.91
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			5	18.95	148.92	690.4	-1549.77
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			-5	-18.95	148.92	528.05	-1592.62
ELU 0.9D	Combination				0	0	101.71	399.17	-1074.59
ELU 0.9D+1.0SX+0.3SY	Combination	Max			16.2	5.82	101.71	424.08	-1004.87
ELU 0.9D+1.0SX+0.3SY	Combination	Min			-16.2	-5.82	101.71	374.26	-1144.31
ELU 0.9D+1.0SY+0.3SX	Combination	Max			5	18.95	101.71	480.34	-1053.16
ELU 0.9D+1.0SY+0.3SX	Combination	Min			-5	-18.95	101.71	318	-1096.02
ELU 0.9D+1.0SX-0.3SY	Combination	Max			16.2	5.82	101.71	424.08	-1004.87
ELU 0.9D+1.0SX-0.3SY	Combination	Min			-16.2	-5.82	101.71	374.26	-1144.31

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			5	18.95	101.71	480.34	-1053.16
ELU 0.9D+1.0SY-0.3SX	Combination	Min			-5	-18.95	101.71	318	-1096.02
ELU 0.9D-1.0SX+0.3SY	Combination	Max			16.2	5.82	101.71	424.08	-1004.87
ELU 0.9D-1.0SX+0.3SY	Combination	Min			-16.2	-5.82	101.71	374.26	-1144.31
ELU 0.9D-1.0SY+0.3SX	Combination	Max			5	18.95	101.71	480.34	-1053.16
ELU 0.9D-1.0SY+0.3SX	Combination	Min			-5	-18.95	101.71	318	-1096.02
ELU 0.9D-1.0SX-0.3SY	Combination	Max			16.2	5.82	101.71	424.08	-1004.87
ELU 0.9D-1.0SX-0.3SY	Combination	Min			-16.2	-5.82	101.71	374.26	-1144.31
ELU 0.9D-1.0SY-0.3SX	Combination	Max			5	18.95	101.71	480.34	-1053.16
ELU 0.9D-1.0SY-0.3SX	Combination	Min			-5	-18.95	101.71	318	-1096.02
CIM 1.0D	Combination				0	0	113.01	443.52	-1193.99
CIM 1.0D+1.0L	Combination				0	0	126.32	520.52	-1332.4
CIM 0.6D	Combination				0	0	67.81	266.11	-716.39
CIM 0.6D+0.7SX	Combination	Max			11.31	0.1	67.81	266.54	-667.71
CIM 0.6D+0.7SX	Combination	Min			-11.31	-0.1	67.81	265.69	-765.08
CIM 0.6D+0.7SY	Combination	Max			0.1	13.24	67.81	322.81	-716
CIM 0.6D+0.7SY	Combination	Min			-0.1	-13.24	67.81	209.42	-716.79
CIM 1.0D+0.7SX	Combination	Max			11.31	0.1	113.01	443.95	-1145.3
CIM 1.0D+0.7SX	Combination	Min			-11.31	-0.1	113.01	443.09	-1242.67
CIM 1.0D+0.7SY	Combination	Max			0.1	13.24	113.01	500.22	-1193.59
CIM 1.0D+0.7SY	Combination	Min			-0.1	-13.24	113.01	386.83	-1194.38
CIM 1.0D+0.75L+0.5SX	Combination	Max			8.08	0.07	122.99	501.57	-1263.02
CIM 1.0D+0.75L+0.5SX	Combination	Min			-8.08	-0.07	122.99	500.96	-1332.57
CIM 1.0D+0.75L+0.5SY	Combination	Max			0.07	9.45	122.99	541.76	-1297.51
CIM 1.0D+0.75L+0.5SY	Combination	Min			-0.07	-9.45	122.99	460.77	-1298.08
DES 1.0D+1.0SX	Combination	Max			16.16	0.14	113.01	444.14	-1124.44
DES 1.0D+1.0SX	Combination	Min			-16.16	-0.14	113.01	442.91	-1263.54
DES 1.0D+1.0SY	Combination	Max			0.15	18.91	113.01	524.51	-1193.42
DES 1.0D+1.0SY	Combination	Min			-0.15	-18.91	113.01	362.53	-1194.55
DES 1.0D+0.75L+0.75SX	Combination	Max			12.12	0.11	122.99	501.73	-1245.63
DES 1.0D+0.75L+0.75SX	Combination	Min			-12.12	-0.11	122.99	500.81	-1349.96
DES 1.0D+0.75L+0.75SY	Combination	Max			0.11	14.18	122.99	562.01	-1297.37
DES 1.0D+0.75L+0.75SY	Combination	Min			-0.11	-14.18	122.99	440.53	-1298.22
DES 0.6D+1.0SX	Combination	Max			16.16	0.14	67.81	266.73	-646.84
DES 0.6D+1.0SX	Combination	Min			-16.16	-0.14	67.81	265.5	-785.94
DES 0.6D+1.0SY	Combination	Max			0.15	18.91	67.81	347.1	-715.83
DES 0.6D+1.0SY	Combination	Min			-0.15	-18.91	67.81	185.12	-716.96
ELS 1.0D+1.0W1	Combination				0	0	132.97	559.01	-1401.6
ELS 1.0D+1.0W2	Combination				0	0	102.37	381.93	-1083.26
ELS 1.0D+0.75W1+0.75L	Combination				0	0	137.96	587.89	-1453.5
ELS 1.0D+0.75W2+0.75L	Combination				0	0	115.01	455.07	-1214.75
ELS 0.6D+1.0W1	Combination				0	0	87.77	381.61	-924.01
ELS 0.6D+1.0W2	Combination				0	0	57.16	204.52	-605.67
ELU 1.2D+0.8W1	Combination				0	0	151.58	624.62	-1598.88
ELU 1.2D+0.8W2	Combination				0	0	127.1	482.95	-1344.2
ELU 0.9D+1.6W1	Combination				0	0	133.65	583.96	-1406.77
ELU 0.9D+1.6W2	Combination				0	0	84.68	300.62	-897.43
ELU 1.2D+1.6W1+1.0L	Combination				0	0	180.86	794.01	-1903.37
ELU 1.2D+1.6W2+1.0L	Combination				0	0	131.89	510.67	-1394.03
ELS 1.0D+1.0H+1.0L	Combination				0	0	126.32	520.52	-1332.4
ELS 1.0D+1.0H	Combination				0	0	113.01	443.52	-1193.99
ELS 1.0D+1.0H+0.75L	Combination				0	0	122.99	501.27	-1297.79
ELS 1.0D+1.0H+0.7SX	Combination	Max			11.31	0.1	113.01	443.95	-1145.3
ELS 1.0D+1.0H+0.7SX	Combination	Min			-11.31	-0.1	113.01	443.09	-1242.67
ELS 1.0D+1.0H+0.7SY	Combination	Max			0.1	13.24	113.01	500.22	-1193.59
ELS 1.0D+1.0H+0.7SY	Combination	Min			-0.1	-13.24	113.01	386.83	-1194.38
ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			8.48	0.08	122.99	501.59	-1261.28
ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			-8.48	-0.08	122.99	500.95	-1334.31
ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			0.08	9.93	122.99	543.79	-1297.5
ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			-0.08	-9.93	122.99	458.75	-1298.09

Output Case	Case Type	Step Type	Step Number	Step Label	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m
ELS 0.6D+1.0H	Combination				0	0	67.81	266.11	-716.39
ELS 0.6D+1.0H+0.7SX	Combination	Max			11.31	0.1	67.81	266.54	-667.71
ELS 0.6D+1.0H+0.7SX	Combination	Min			-11.31	-0.1	67.81	265.69	-765.08
ELS 0.6D+1.0H+0.7SY	Combination	Max			0.1	13.24	67.81	322.81	-716
ELS 0.6D+1.0H+0.7SY	Combination	Min			-0.1	-13.24	67.81	209.42	-716.79
ELU 1.2D+1.6H	Combination				0	0	135.61	532.23	-1432.79
ELU 0.9D+1.6H	Combination				0	0	101.71	399.17	-1074.59
ELU 0.9D+1.6H+1.0SX	Combination	Max			16.16	0.14	101.71	399.78	-1005.04
ELU 0.9D+1.6H+1.0SX	Combination	Min			-16.16	-0.14	101.71	398.56	-1144.14
ELU 0.9D+1.6H+1.0SY	Combination	Max			0.15	18.91	101.71	480.16	-1074.03
ELU 0.9D+1.6H+1.0SY	Combination	Min			-0.15	-18.91	101.71	318.18	-1075.15
DStID1	Combination				0	0	113.01	443.52	-1193.99
DStID2	Combination				0	0	126.32	520.52	-1332.4

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
68.25	0	0	0
188.62	0	0	0
367.19	0	0	0
-835.39	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
56.29	0	0	0
126.49	0	0	0
62.67	0	0	0
-142.57	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
47.77	0	0	0
-47.77	0	0	0
132.03	0	0	0
-132.03	0	0	0
35.83	0	0	0
-35.83	0	0	0
99.02	0	0	0
-99.02	0	0	0
47.77	0	0	0
-47.77	0	0	0
132.03	0	0	0
-132.03	0	0	0
0	0	0	0
0	0	0	0
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0

MZ tonf-m	X m	Y m	Z m
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0
0	0	0	0
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0
124.83	0	0	0
-124.83	0	0	0
209.09	0	0	0
-209.09	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
47.77	0	0	0
-47.77	0	0	0
132.03	0	0	0
-132.03	0	0	0
47.77	0	0	0
-47.77	0	0	0
132.03	0	0	0
-132.03	0	0	0
34.12	0	0	0
-34.12	0	0	0
94.31	0	0	0
-94.31	0	0	0
68.25	0	0	0
-68.25	0	0	0
188.62	0	0	0
-188.62	0	0	0
51.19	0	0	0
-51.19	0	0	0
141.46	0	0	0
-141.46	0	0	0
68.25	0	0	0
-68.25	0	0	0
188.62	0	0	0
-188.62	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

MZ tonf-m	X m	Y m	Z m
0	0	0	0
0	0	0	0
0	0	0	0
47.77	0	0	0
-47.77	0	0	0
132.03	0	0	0
-132.03	0	0	0
35.83	0	0	0
-35.83	0	0	0
99.02	0	0	0
-99.02	0	0	0
0	0	0	0
47.77	0	0	0
-47.77	0	0	0
132.03	0	0	0
-132.03	0	0	0
0	0	0	0
0	0	0	0
68.25	0	0	0
-68.25	0	0	0
188.62	0	0	0
-188.62	0	0	0
0	0	0	0
0	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/
Story3	Dead	LinStatic				Y	0.00019	
Story3	Live	LinStatic				Y	0.000279	
Story3	SX	LinRespSpec	Max			X	0.000309	
Story3	SY	LinRespSpec	Max			Y	0.000656	
Story3	SXEST	LinStatic				X	0.001529	
Story3	SYEST	LinStatic				Y	0.002619	
Story3	DS	LinStatic				Y	0.000446	
Story3	W1	LinStatic				Y	0.000418	
Story3	W2	LinStatic				Y	0.000223	
Story3	SX-UMBRAL	LinRespSpec	Max			X	0.000255	
Story3	SY-UMBRAL	LinRespSpec	Max			Y	0.000441	
Story3	SX-UMBRAL-EST	LinStatic				X	0.000261	
Story3	SY-UMBRAL-EST	LinStatic				Y	0.000447	
Story3	ELS 1.0D	Combination				Y	0.00059	
Story3	ELS 1.0D+1.0L	Combination				Y	0.000868	
Story3	ELS 1.0D+0.75L	Combination				Y	0.000799	
Story3	ELS 1.0D+0.7SX	Combination	Max			X	0.000219	
Story3	ELS 1.0D+0.7SX	Combination	Max			Y	0.000584	
Story3	ELS 1.0D+0.7SX	Combination	Min			X	0.000227	
Story3	ELS 1.0D+0.7SX	Combination	Min			Y	0.000595	
Story3	ELS 1.0D+0.7SY	Combination	Max			Y	0.000194	
Story3	ELS 1.0D+0.7SY	Combination	Min			Y	0.001049	
Story3	ELS 1.0D+0.75L+0.525SX	Combination	Max			X	0.000177	
Story3	ELS 1.0D+0.75L+0.525SX	Combination	Max			Y	0.000794	
Story3	ELS 1.0D+0.75L+0.525SX	Combination	Min			X	0.000184	
Story3	ELS 1.0D+0.75L+0.525SX	Combination	Min			Y	0.000803	
Story3	ELS 1.0D+0.75L+0.525SY	Combination	Max			Y	0.000454	
Story3	ELS 1.0D+0.75L+0.525SY	Combination	Min			Y	0.001143	
Story3	ELS 0.6D+0.7SX	Combination	Max			X	0.000212	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story3	ELS 0.6D+0.7SX	Combination	Max			Y	0.000348	
Story3	ELS 0.6D+0.7SX	Combination	Min			X	0.000223	
Story3	ELS 0.6D+0.7SX	Combination	Min			Y	0.000359	
Story3	ELS 0.6D+0.7SY	Combination	Max			Y	0.000109	
Story3	ELS 0.6D+0.7SY	Combination	Min			Y	0.000813	
Story3	ELU 1.4D	Combination				Y	0.000825	
Story3	ELU 1.2D+1.6L	Combination				Y	0.001154	
Story3	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			X	0.000321	
Story3	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			Y	0.000781	
Story3	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			X	0.000337	
Story3	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			Y	0.001191	
Story3	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			X	0.000119	
Story3	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			Y	0.000328	
Story3	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			Y	0.001645	
Story3	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			X	0.000321	
Story3	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			Y	0.000781	
Story3	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			X	0.000337	
Story3	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			Y	0.001191	
Story3	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			X	0.000119	
Story3	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			Y	0.000328	
Story3	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			Y	0.001645	
Story3	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			X	0.000321	
Story3	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			Y	0.000781	
Story3	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			X	0.000337	
Story3	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			Y	0.001191	
Story3	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			X	0.000119	
Story3	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			Y	0.000328	
Story3	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			Y	0.001645	
Story3	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			X	0.000321	
Story3	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			Y	0.000781	
Story3	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			X	0.000337	
Story3	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			Y	0.001191	
Story3	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			X	0.000119	
Story3	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			Y	0.000328	
Story3	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			Y	0.001645	
Story3	ELU 0.9D	Combination				Y	0.000531	
Story3	ELU 0.9D+1.0SX+0.3SY	Combination	Max			X	0.000304	
Story3	ELU 0.9D+1.0SX+0.3SY	Combination	Max			Y	0.000326	
Story3	ELU 0.9D+1.0SX+0.3SY	Combination	Min			X	0.000319	
Story3	ELU 0.9D+1.0SX+0.3SY	Combination	Min			Y	0.000736	
Story3	ELU 0.9D+1.0SY+0.3SX	Combination	Max			X	0.000103	
Story3	ELU 0.9D+1.0SY+0.3SX	Combination	Max			Y	0.000137	
Story3	ELU 0.9D+1.0SY+0.3SX	Combination	Min			Y	0.001189	
Story3	ELU 0.9D+1.0SX-0.3SY	Combination	Max			X	0.000304	
Story3	ELU 0.9D+1.0SX-0.3SY	Combination	Max			Y	0.000326	
Story3	ELU 0.9D+1.0SX-0.3SY	Combination	Min			X	0.000319	
Story3	ELU 0.9D+1.0SX-0.3SY	Combination	Min			Y	0.000736	
Story3	ELU 0.9D+1.0SY-0.3SX	Combination	Max			X	0.000103	
Story3	ELU 0.9D+1.0SY-0.3SX	Combination	Max			Y	0.000137	
Story3	ELU 0.9D+1.0SY-0.3SX	Combination	Min			Y	0.001189	
Story3	ELU 0.9D-1.0SX+0.3SY	Combination	Max			X	0.000304	
Story3	ELU 0.9D-1.0SX+0.3SY	Combination	Max			Y	0.000326	
Story3	ELU 0.9D-1.0SX+0.3SY	Combination	Min			X	0.000319	
Story3	ELU 0.9D-1.0SX+0.3SY	Combination	Min			Y	0.000736	
Story3	ELU 0.9D-1.0SY+0.3SX	Combination	Max			X	0.000103	
Story3	ELU 0.9D-1.0SY+0.3SX	Combination	Max			Y	0.000137	
Story3	ELU 0.9D-1.0SY+0.3SX	Combination	Min			Y	0.001189	
Story3	ELU 0.9D-1.0SX-0.3SY	Combination	Max			X	0.000304	
Story3	ELU 0.9D-1.0SX-0.3SY	Combination	Max			Y	0.000326	
Story3	ELU 0.9D-1.0SX-0.3SY	Combination	Min			X	0.000319	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story3	ELU 0.9D-1.0SX-0.3SY	Combination	Min			Y	0.000736	
Story3	ELU 0.9D-1.0SY-0.3SX	Combination	Max			X	0.000103	
Story3	ELU 0.9D-1.0SY-0.3SX	Combination	Max			Y	0.000137	
Story3	ELU 0.9D-1.0SY-0.3SX	Combination	Min			Y	0.001189	
Story3	CIM 1.0D	Combination				Y	0.00059	
Story3	CIM 1.0D+1.0L	Combination				Y	0.000868	
Story3	CIM 0,6D	Combination				Y	0.000354	
Story3	CIM 0,6D+0.7SX	Combination	Max			X	0.000212	
Story3	CIM 0,6D+0.7SX	Combination	Max			Y	0.000348	
Story3	CIM 0,6D+0.7SX	Combination	Min			X	0.000223	
Story3	CIM 0,6D+0.7SX	Combination	Min			Y	0.000359	
Story3	CIM 0,6D+0.7SY	Combination	Max			Y	0.000109	
Story3	CIM 0,6D+0.7SY	Combination	Min			Y	0.000813	
Story3	CIM 1.0D+0.7SX	Combination	Max			X	0.000219	
Story3	CIM 1.0D+0.7SX	Combination	Max			Y	0.000584	
Story3	CIM 1.0D+0.7SX	Combination	Min			X	0.000227	
Story3	CIM 1.0D+0.7SX	Combination	Min			Y	0.000595	
Story3	CIM 1.0D+0.7SY	Combination	Max			Y	0.000194	
Story3	CIM 1.0D+0.7SY	Combination	Min			Y	0.001049	
Story3	CIM 1.0D+0.75L+0.5SX	Combination	Max			X	0.00017	
Story3	CIM 1.0D+0.75L+0.5SX	Combination	Max			Y	0.000795	
Story3	CIM 1.0D+0.75L+0.5SX	Combination	Min			X	0.000176	
Story3	CIM 1.0D+0.75L+0.5SX	Combination	Min			Y	0.000803	
Story3	CIM 1.0D+0.75L+0.5SY	Combination	Max			Y	0.000471	
Story3	CIM 1.0D+0.75L+0.5SY	Combination	Min			Y	0.001127	
Story3	DES 1.0D+1.0SX	Combination	Max			X	0.000305	
Story3	DES 1.0D+1.0SX	Combination	Max			Y	0.000581	
Story3	DES 1.0D+1.0SX	Combination	Min			X	0.00032	
Story3	DES 1.0D+1.0SX	Combination	Min			Y	0.000598	
Story3	DES 1.0D+1.0SY	Combination	Max			X	1.7E-05	
Story3	DES 1.0D+1.0SY	Combination	Max			Y	0.0001	
Story3	DES 1.0D+1.0SY	Combination	Min			Y	0.001246	
Story3	DES 1.0D+0.75L+0.75SX	Combination	Max			X	0.000242	
Story3	DES 1.0D+0.75L+0.75SX	Combination	Max			Y	0.000793	
Story3	DES 1.0D+0.75L+0.75SX	Combination	Min			X	0.000254	
Story3	DES 1.0D+0.75L+0.75SX	Combination	Min			Y	0.000805	
Story3	DES 1.0D+0.75L+0.75SY	Combination	Max			Y	0.000307	
Story3	DES 1.0D+0.75L+0.75SY	Combination	Min			Y	0.001291	
Story3	DES 0.6D+1.0SX	Combination	Max			X	0.000303	
Story3	DES 0.6D+1.0SX	Combination	Max			Y	0.000346	
Story3	DES 0.6D+1.0SX	Combination	Min			X	0.000315	
Story3	DES 0.6D+1.0SX	Combination	Min			Y	0.000362	
Story3	DES 0.6D+1.0SY	Combination	Max			Y	0.000302	
Story3	DES 0.6D+1.0SY	Combination	Min			Y	0.00101	
Story3	ELS 1.0D+1.0W1	Combination				Y	0.001008	
Story3	ELS 1.0D+1.0W2	Combination				Y	0.000366	
Story3	ELS 1.0D+0.75W1+0.75L	Combination				Y	0.001112	
Story3	ELS 1.0D+0.75W2+0.75L	Combination				Y	0.000631	
Story3	ELS 0.6D+1.0W1	Combination				Y	0.000772	
Story3	ELS 0.6D+1.0W2	Combination				Y	0.00014	
Story3	ELU 1.2D+0.8W1	Combination				Y	0.001042	
Story3	ELU 1.2D+0.8W2	Combination				Y	0.000529	
Story3	ELU 0.9D+1.6W1	Combination				Y	0.0012	
Story3	ELU 0.9D+1.6W2	Combination				Y	0.000197	
Story3	ELU 1.2D+1.6W1+1.0L	Combination				Y	0.001656	
Story3	ELU 1.2D+1.6W2+1.0L	Combination				Y	0.000629	
Story3	ELS 1.0D+1.0H+1.0L	Combination				Y	0.000868	
Story3	ELS 1.0D+1.0H	Combination				Y	0.00059	
Story3	ELS 1.0D+1.0H+0.75L	Combination				Y	0.000799	
Story3	ELS 1.0D+1.0H+0.7SX	Combination	Max			X	0.000219	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story3	ELS 1.0D+1.0H+0.7SX	Combination	Max			Y	0.000584	
Story3	ELS 1.0D+1.0H+0.7SX	Combination	Min			X	0.000227	
Story3	ELS 1.0D+1.0H+0.7SX	Combination	Min			Y	0.000595	
Story3	ELS 1.0D+1.0H+0.7SY	Combination	Max			Y	0.000194	
Story3	ELS 1.0D+1.0H+0.7SY	Combination	Min			Y	0.001049	
Story3	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			X	0.000177	
Story3	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			Y	0.000794	
Story3	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			X	0.000184	
Story3	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			Y	0.000803	
Story3	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			Y	0.000454	
Story3	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			Y	0.001143	
Story3	ELS 0.6D+1.0H	Combination				Y	0.000354	
Story3	ELS 0.6D+1.0H+0.7SX	Combination	Max			X	0.000212	
Story3	ELS 0.6D+1.0H+0.7SX	Combination	Max			Y	0.000348	
Story3	ELS 0.6D+1.0H+0.7SX	Combination	Min			X	0.000223	
Story3	ELS 0.6D+1.0H+0.7SX	Combination	Min			Y	0.000359	
Story3	ELS 0.6D+1.0H+0.7SY	Combination	Max			Y	0.000109	
Story3	ELS 0.6D+1.0H+0.7SY	Combination	Min			Y	0.000813	
Story3	ELU 1.2D+1.6H	Combination				Y	0.000707	
Story3	ELU 0.9D+1.6H	Combination				Y	0.000531	
Story3	ELU 0.9D+1.6H+1.0SX	Combination	Max			X	0.000304	
Story3	ELU 0.9D+1.6H+1.0SX	Combination	Max			Y	0.000522	
Story3	ELU 0.9D+1.6H+1.0SX	Combination	Min			X	0.000318	
Story3	ELU 0.9D+1.6H+1.0SX	Combination	Min			Y	0.000539	
Story3	ELU 0.9D+1.6H+1.0SY	Combination	Max			X	1.6E-05	
Story3	ELU 0.9D+1.6H+1.0SY	Combination	Max			Y	0.000132	
Story3	ELU 0.9D+1.6H+1.0SY	Combination	Min			Y	0.001187	
Story3	DSID1	Combination				Y	0.00059	
Story3	DSID2	Combination				Y	0.000868	
Story2	Dead	LinStatic				Y	0.000257	
Story2	Live	LinStatic				Y	0.000163	
Story2	SX	LinRespSpec	Max			X	0.000345	
Story2	SY	LinRespSpec	Max			Y	0.000836	
Story2	SXEST	LinStatic				X	0.001728	
Story2	SYEST	LinStatic				Y	0.003396	
Story2	DS	LinStatic				Y	0.000262	
Story2	W1	LinStatic				Y	0.000245	
Story2	W2	LinStatic				Y	0.000131	
Story2	SX-UMBRAL	LinRespSpec	Max			X	0.000285	
Story2	SY-UMBRAL	LinRespSpec	Max			Y	0.000562	
Story2	SX-UMBRAL-EST	LinStatic				X	0.000295	
Story2	SY-UMBRAL-EST	LinStatic				Y	0.00058	
Story2	ELS 1.0D	Combination				Y	0.000383	
Story2	ELS 1.0D+1.0L	Combination				Y	0.000547	
Story2	ELS 1.0D+0.75L	Combination				Y	0.000506	
Story2	ELS 1.0D+0.7SX	Combination	Max			X	0.000324	
Story2	ELS 1.0D+0.7SX	Combination	Max			Y	0.000378	
Story2	ELS 1.0D+0.7SX	Combination	Min			X	0.000276	
Story2	ELS 1.0D+0.7SX	Combination	Min			Y	0.000389	
Story2	ELS 1.0D+0.7SY	Combination	Max			Y	0.000499	
Story2	ELS 1.0D+0.7SY	Combination	Min			Y	0.00087	
Story2	ELS 1.0D+0.75L+0.525SX	Combination	Max			X	0.000261	
Story2	ELS 1.0D+0.75L+0.525SX	Combination	Max			Y	0.000502	
Story2	ELS 1.0D+0.75L+0.525SX	Combination	Min			X	0.000229	
Story2	ELS 1.0D+0.75L+0.525SX	Combination	Min			Y	0.000511	
Story2	ELS 1.0D+0.75L+0.525SY	Combination	Max			Y	0.000431	
Story2	ELS 1.0D+0.75L+0.525SY	Combination	Min			Y	0.000871	
Story2	ELS 0.6D+0.7SX	Combination	Max			X	0.00029	
Story2	ELS 0.6D+0.7SX	Combination	Max			Y	0.000224	
Story2	ELS 0.6D+0.7SX	Combination	Min			X	0.000241	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story2	ELS 0.6D+0.7SX	Combination	Min			Y	0.000238	
Story2	ELS 0.6D+0.7SY	Combination	Max			Y	0.000487	
Story2	ELS 0.6D+0.7SY	Combination	Min			Y	0.000717	
Story2	ELU 1.4D	Combination				Y	0.000537	
Story2	ELU 1.2D+1.6L	Combination				Y	0.000722	
Story2	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			X	0.000442	
Story2	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			X	0.000377	
Story2	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			Y	0.000841	
Story2	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			X	0.000209	
Story2	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			Y	0.000731	
Story2	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			X	0.000191	
Story2	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			Y	0.001321	
Story2	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			X	0.000442	
Story2	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			X	0.000377	
Story2	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			Y	0.000841	
Story2	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			X	0.000209	
Story2	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			Y	0.000731	
Story2	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			X	0.000191	
Story2	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			Y	0.001321	
Story2	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			X	0.000442	
Story2	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			X	0.000377	
Story2	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			Y	0.000841	
Story2	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			X	0.000209	
Story2	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			Y	0.000731	
Story2	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			X	0.000191	
Story2	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			Y	0.001321	
Story2	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			X	0.000442	
Story2	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			X	0.000377	
Story2	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			Y	0.000841	
Story2	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			X	0.000209	
Story2	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			Y	0.000731	
Story2	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			X	0.000191	
Story2	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			Y	0.001321	
Story2	ELU 0.9D	Combination				Y	0.000345	
Story2	ELU 0.9D+1.0SX+0.3SY	Combination	Max			X	0.000421	
Story2	ELU 0.9D+1.0SX+0.3SY	Combination	Max			Y	0.000303	
Story2	ELU 0.9D+1.0SX+0.3SY	Combination	Min			X	0.00035	
Story2	ELU 0.9D+1.0SX+0.3SY	Combination	Min			Y	0.000562	
Story2	ELU 0.9D+1.0SY+0.3SX	Combination	Max			X	0.000188	
Story2	ELU 0.9D+1.0SY+0.3SX	Combination	Max			Y	0.000696	
Story2	ELU 0.9D+1.0SY+0.3SX	Combination	Min			X	0.000164	
Story2	ELU 0.9D+1.0SY+0.3SX	Combination	Min			Y	0.001043	
Story2	ELU 0.9D+1.0SX-0.3SY	Combination	Max			X	0.000421	
Story2	ELU 0.9D+1.0SX-0.3SY	Combination	Max			Y	0.000303	
Story2	ELU 0.9D+1.0SX-0.3SY	Combination	Min			X	0.00035	
Story2	ELU 0.9D+1.0SX-0.3SY	Combination	Min			Y	0.000562	
Story2	ELU 0.9D+1.0SY-0.3SX	Combination	Max			X	0.000188	
Story2	ELU 0.9D+1.0SY-0.3SX	Combination	Max			Y	0.000696	
Story2	ELU 0.9D+1.0SY-0.3SX	Combination	Min			X	0.000164	
Story2	ELU 0.9D+1.0SY-0.3SX	Combination	Min			Y	0.001043	
Story2	ELU 0.9D-1.0SX+0.3SY	Combination	Max			X	0.000421	
Story2	ELU 0.9D-1.0SX+0.3SY	Combination	Max			Y	0.000303	
Story2	ELU 0.9D-1.0SX+0.3SY	Combination	Min			X	0.00035	
Story2	ELU 0.9D-1.0SX+0.3SY	Combination	Min			Y	0.000562	
Story2	ELU 0.9D-1.0SY+0.3SX	Combination	Max			X	0.000188	
Story2	ELU 0.9D-1.0SY+0.3SX	Combination	Max			Y	0.000696	
Story2	ELU 0.9D-1.0SY+0.3SX	Combination	Min			X	0.000164	
Story2	ELU 0.9D-1.0SY+0.3SX	Combination	Min			Y	0.001043	
Story2	ELU 0.9D-1.0SX-0.3SY	Combination	Max			X	0.000421	
Story2	ELU 0.9D-1.0SX-0.3SY	Combination	Max			Y	0.000303	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story2	ELU 0.9D-1.0SX-0.3SY	Combination	Min			X	0.00035	
Story2	ELU 0.9D-1.0SX-0.3SY	Combination	Min			Y	0.000562	
Story2	ELU 0.9D-1.0SY-0.3SX	Combination	Max			X	0.000188	
Story2	ELU 0.9D-1.0SY-0.3SX	Combination	Max			Y	0.000696	
Story2	ELU 0.9D-1.0SY-0.3SX	Combination	Min			X	0.000164	
Story2	ELU 0.9D-1.0SY-0.3SX	Combination	Min			Y	0.001043	
Story2	CIM 1.0D	Combination				Y	0.000383	
Story2	CIM 1.0D+1.0L	Combination				Y	0.000547	
Story2	CIM 0.6D	Combination				Y	0.00023	
Story2	CIM 0.6D+0.7SX	Combination	Max			X	0.00029	
Story2	CIM 0.6D+0.7SX	Combination	Max			Y	0.000224	
Story2	CIM 0.6D+0.7SX	Combination	Min			X	0.000241	
Story2	CIM 0.6D+0.7SX	Combination	Min			Y	0.000238	
Story2	CIM 0.6D+0.7SY	Combination	Max			Y	0.000487	
Story2	CIM 0.6D+0.7SY	Combination	Min			Y	0.000717	
Story2	CIM 1.0D+0.7SX	Combination	Max			X	0.000324	
Story2	CIM 1.0D+0.7SX	Combination	Max			Y	0.000378	
Story2	CIM 1.0D+0.7SX	Combination	Min			X	0.000276	
Story2	CIM 1.0D+0.7SX	Combination	Min			Y	0.000389	
Story2	CIM 1.0D+0.7SY	Combination	Max			Y	0.000499	
Story2	CIM 1.0D+0.7SY	Combination	Min			Y	0.00087	
Story2	CIM 1.0D+0.75L+0.5SX	Combination	Max			X	0.000253	
Story2	CIM 1.0D+0.75L+0.5SX	Combination	Max			Y	0.000502	
Story2	CIM 1.0D+0.75L+0.5SX	Combination	Min			X	0.000222	
Story2	CIM 1.0D+0.75L+0.5SX	Combination	Min			Y	0.00051	
Story2	CIM 1.0D+0.75L+0.5SY	Combination	Max			Y	0.000417	
Story2	CIM 1.0D+0.75L+0.5SY	Combination	Min			Y	0.000854	
Story2	DES 1.0D+1.0SX	Combination	Max			X	0.000427	
Story2	DES 1.0D+1.0SX	Combination	Max			Y	0.000375	
Story2	DES 1.0D+1.0SX	Combination	Min			X	0.000357	
Story2	DES 1.0D+1.0SX	Combination	Min			Y	0.000392	
Story2	DES 1.0D+1.0SY	Combination	Max			Y	0.000675	
Story2	DES 1.0D+1.0SY	Combination	Min			Y	0.001079	
Story2	DES 1.0D+0.75L+0.75SX	Combination	Max			X	0.000338	
Story2	DES 1.0D+0.75L+0.75SX	Combination	Max			Y	0.0005	
Story2	DES 1.0D+0.75L+0.75SX	Combination	Min			X	0.00029	
Story2	DES 1.0D+0.75L+0.75SX	Combination	Min			Y	0.000512	
Story2	DES 1.0D+0.75L+0.75SY	Combination	Max			Y	0.000553	
Story2	DES 1.0D+0.75L+0.75SY	Combination	Min			Y	0.001027	
Story2	DES 0.6D+1.0SX	Combination	Max			X	0.000393	
Story2	DES 0.6D+1.0SX	Combination	Max			Y	0.000222	
Story2	DES 0.6D+1.0SX	Combination	Min			X	0.000337	
Story2	DES 0.6D+1.0SX	Combination	Min			Y	0.000246	
Story2	DES 0.6D+1.0SY	Combination	Max			Y	0.000733	
Story2	DES 0.6D+1.0SY	Combination	Min			Y	0.000944	
Story2	ELS 1.0D+1.0W1	Combination				Y	0.000629	
Story2	ELS 1.0D+1.0W2	Combination				Y	0.000295	
Story2	ELS 1.0D+0.75W1+0.75L	Combination				Y	0.00069	
Story2	ELS 1.0D+0.75W2+0.75L	Combination				Y	0.000408	
Story2	ELS 0.6D+1.0W1	Combination				Y	0.000475	
Story2	ELS 0.6D+1.0W2	Combination				Y	0.000149	
Story2	ELU 1.2D+0.8W1	Combination				Y	0.000656	
Story2	ELU 1.2D+0.8W2	Combination				Y	0.000381	
Story2	ELU 0.9D+1.6W1	Combination				Y	0.000737	
Story2	ELU 0.9D+1.6W2	Combination				Y	0.000223	
Story2	ELU 1.2D+1.6W1+1.0L	Combination				Y	0.001016	
Story2	ELU 1.2D+1.6W2+1.0L	Combination				Y	0.000414	
Story2	ELS 1.0D+1.0H+1.0L	Combination				Y	0.000547	
Story2	ELS 1.0D+1.0H	Combination				Y	0.000383	
Story2	ELS 1.0D+1.0H+0.75L	Combination				Y	0.000506	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story2	ELS 1.0D+1.0H+0.7SX	Combination	Max			X	0.000324	
Story2	ELS 1.0D+1.0H+0.7SX	Combination	Max			Y	0.000378	
Story2	ELS 1.0D+1.0H+0.7SX	Combination	Min			X	0.000276	
Story2	ELS 1.0D+1.0H+0.7SX	Combination	Min			Y	0.000389	
Story2	ELS 1.0D+1.0H+0.7SY	Combination	Max			Y	0.000499	
Story2	ELS 1.0D+1.0H+0.7SY	Combination	Min			Y	0.00087	
Story2	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			X	0.000261	
Story2	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			Y	0.000502	
Story2	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			X	0.000229	
Story2	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			Y	0.000511	
Story2	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			Y	0.000431	
Story2	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			Y	0.000871	
Story2	ELS 0.6D+1.0H	Combination				Y	0.00023	
Story2	ELS 0.6D+1.0H+0.7SX	Combination	Max			X	0.00029	
Story2	ELS 0.6D+1.0H+0.7SX	Combination	Max			Y	0.000224	
Story2	ELS 0.6D+1.0H+0.7SX	Combination	Min			X	0.000241	
Story2	ELS 0.6D+1.0H+0.7SX	Combination	Min			Y	0.000238	
Story2	ELS 0.6D+1.0H+0.7SY	Combination	Max			Y	0.000487	
Story2	ELS 0.6D+1.0H+0.7SY	Combination	Min			Y	0.000717	
Story2	ELU 1.2D+1.6H	Combination				Y	0.00046	
Story2	ELU 0.9D+1.6H	Combination				Y	0.000345	
Story2	ELU 0.9D+1.6H+1.0SX	Combination	Max			X	0.000419	
Story2	ELU 0.9D+1.6H+1.0SX	Combination	Max			Y	0.000337	
Story2	ELU 0.9D+1.6H+1.0SX	Combination	Min			X	0.000348	
Story2	ELU 0.9D+1.6H+1.0SX	Combination	Min			Y	0.000356	
Story2	ELU 0.9D+1.6H+1.0SY	Combination	Max			Y	0.00069	
Story2	ELU 0.9D+1.6H+1.0SY	Combination	Min			Y	0.00104	
Story2	DSID1	Combination				Y	0.000383	
Story2	DSID2	Combination				Y	0.000547	
Story1	Dead	LinStatic				X	1.6E-05	
Story1	Dead	LinStatic				Y	7.5E-05	
Story1	Live	LinStatic				Y	3.8E-05	
Story1	SX	LinRespSpec	Max			X	0.000337	
Story1	SY	LinRespSpec	Max			Y	0.000573	
Story1	SXEST	LinStatic				X	0.001605	
Story1	SYEST	LinStatic				Y	0.002321	
Story1	DS	LinStatic				Y	6E-05	
Story1	W1	LinStatic				Y	5.6E-05	
Story1	W2	LinStatic				Y	3E-05	
Story1	SX-UMBRAL	LinRespSpec	Max			X	0.00028	
Story1	SY-UMBRAL	LinRespSpec	Max			Y	0.000385	
Story1	SX-UMBRAL-EST	LinStatic				X	0.000274	
Story1	SY-UMBRAL-EST	LinStatic				Y	0.000396	
Story1	ELS 1.0D	Combination				Y	0.000135	
Story1	ELS 1.0D+1.0L	Combination				Y	0.000173	
Story1	ELS 1.0D+0.75L	Combination				Y	0.000163	
Story1	ELS 1.0D+0.7SX	Combination	Max			X	0.000251	
Story1	ELS 1.0D+0.7SX	Combination	Max			Y	0.000131	
Story1	ELS 1.0D+0.7SX	Combination	Min			X	0.000232	
Story1	ELS 1.0D+0.7SX	Combination	Min			Y	0.00014	
Story1	ELS 1.0D+0.7SY	Combination	Max			Y	0.000279	
Story1	ELS 1.0D+0.7SY	Combination	Min			Y	0.000537	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Max			X	0.000191	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Max			Y	0.00016	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Min			X	0.000175	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Min			Y	0.000167	
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Max			Y	0.000192	
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Min			Y	0.000464	
Story1	ELS 0.6D+0.7SX	Combination	Max			X	0.000245	
Story1	ELS 0.6D+0.7SX	Combination	Max			Y	7.7E-05	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	ELS 0.6D+0.7SX	Combination	Min			X	0.000232	
Story1	ELS 0.6D+0.7SX	Combination	Min			Y	8.6E-05	
Story1	ELS 0.6D+0.7SY	Combination	Max			Y	0.000326	
Story1	ELS 0.6D+0.7SY	Combination	Min			Y	0.000482	
Story1	ELU 1.4D	Combination				Y	0.000189	
Story1	ELU 1.2D+1.6L	Combination				Y	0.000222	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			X	0.000356	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			X	0.000335	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			Y	0.000378	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			X	0.000124	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			Y	0.000412	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			X	0.000107	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			Y	0.000775	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			X	0.000356	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			X	0.000335	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			Y	0.000378	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			X	0.000124	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			Y	0.000412	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			X	0.000107	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			Y	0.000775	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			X	0.000356	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			X	0.000335	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			Y	0.000378	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			X	0.000124	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			Y	0.000412	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			X	0.000107	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			Y	0.000775	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			X	0.000356	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			X	0.000335	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			Y	0.000378	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			X	0.000124	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			Y	0.000412	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			X	0.000107	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			Y	0.000775	
Story1	ELU 0.9D	Combination				Y	0.000122	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			X	0.000352	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			Y	0.000106	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			X	0.000334	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			Y	0.0003	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			X	0.000121	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			Y	0.000465	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			X	0.000106	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			Y	0.000697	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			X	0.000352	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			Y	0.000106	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			X	0.000334	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			Y	0.0003	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			X	0.000121	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			Y	0.000465	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			X	0.000106	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			Y	0.000697	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			X	0.000352	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			Y	0.000106	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			X	0.000334	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			Y	0.0003	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			X	0.000121	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			Y	0.000465	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			X	0.000106	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			Y	0.000697	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			X	0.000352	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			Y	0.000106	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			X	0.000334	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			Y	0.0003	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			X	0.000121	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			Y	0.000465	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			X	0.000106	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			Y	0.000697	
Story1	CIM 1.0D	Combination				Y	0.000135	
Story1	CIM 1.0D+1.0L	Combination				Y	0.000173	
Story1	CIM 0.6D	Combination				Y	8.1E-05	
Story1	CIM 0.6D+0.7SX	Combination	Max			X	0.000245	
Story1	CIM 0.6D+0.7SX	Combination	Max			Y	7.7E-05	
Story1	CIM 0.6D+0.7SX	Combination	Min			X	0.000232	
Story1	CIM 0.6D+0.7SX	Combination	Min			Y	8.6E-05	
Story1	CIM 0.6D+0.7SY	Combination	Max			Y	0.000326	
Story1	CIM 0.6D+0.7SY	Combination	Min			Y	0.000482	
Story1	CIM 1.0D+0.7SX	Combination	Max			X	0.000251	
Story1	CIM 1.0D+0.7SX	Combination	Max			Y	0.000131	
Story1	CIM 1.0D+0.7SX	Combination	Min			X	0.000232	
Story1	CIM 1.0D+0.7SX	Combination	Min			Y	0.00014	
Story1	CIM 1.0D+0.7SY	Combination	Max			Y	0.000279	
Story1	CIM 1.0D+0.7SY	Combination	Min			Y	0.000537	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Max			X	0.000183	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Max			Y	0.00016	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Min			X	0.000167	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Min			Y	0.000167	
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Max			Y	0.00018	
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Min			Y	0.00045	
Story1	DES 1.0D+1.0SX	Combination	Max			X	0.000352	
Story1	DES 1.0D+1.0SX	Combination	Max			Y	0.000129	
Story1	DES 1.0D+1.0SX	Combination	Min			X	0.000332	
Story1	DES 1.0D+1.0SX	Combination	Min			Y	0.000142	
Story1	DES 1.0D+1.0SY	Combination	Max			Y	0.000448	
Story1	DES 1.0D+1.0SY	Combination	Min			Y	0.000708	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Max			X	0.000267	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Max			Y	0.000159	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Min			X	0.00025	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Min			Y	0.000168	
Story1	DES 1.0D+0.75L+0.75SY	Combination	Max			Y	0.0003	
Story1	DES 1.0D+0.75L+0.75SY	Combination	Min			Y	0.000593	
Story1	DES 0.6D+1.0SX	Combination	Max			X	0.000346	
Story1	DES 0.6D+1.0SX	Combination	Max			Y	7.5E-05	
Story1	DES 0.6D+1.0SX	Combination	Min			X	0.000332	
Story1	DES 0.6D+1.0SX	Combination	Min			Y	9E-05	
Story1	DES 0.6D+1.0SY	Combination	Max			Y	0.000496	
Story1	DES 0.6D+1.0SY	Combination	Min			Y	0.000654	
Story1	ELS 1.0D+1.0W1	Combination				Y	0.000192	
Story1	ELS 1.0D+1.0W2	Combination				X	1.5E-05	
Story1	ELS 1.0D+1.0W2	Combination				Y	0.000105	
Story1	ELS 1.0D+0.75W1+0.75L	Combination				Y	0.000206	
Story1	ELS 1.0D+0.75W2+0.75L	Combination				Y	0.000141	
Story1	ELS 0.6D+1.0W1	Combination				Y	0.000138	
Story1	ELS 0.6D+1.0W2	Combination				X	9E-06	
Story1	ELS 0.6D+1.0W2	Combination				Y	5.1E-05	
Story1	ELU 1.2D+0.8W1	Combination				Y	0.000207	
Story1	ELU 1.2D+0.8W2	Combination				Y	0.000138	
Story1	ELU 0.9D+1.6W1	Combination				Y	0.000212	
Story1	ELU 0.9D+1.6W2	Combination				X	1.4E-05	
Story1	ELU 0.9D+1.6W2	Combination				Y	7.4E-05	
Story1	ELU 1.2D+1.6W1+1.0L	Combination				Y	0.00029	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	ELU 1.2D+1.6W2+1.0L	Combination				Y	0.000152	
Story1	ELS 1.0D+1.0H+1.0L	Combination				Y	0.000173	
Story1	ELS 1.0D+1.0H	Combination				Y	0.000135	
Story1	ELS 1.0D+1.0H+0.75L	Combination				Y	0.000163	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Max			X	0.000251	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Max			Y	0.000131	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Min			X	0.000232	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Min			Y	0.00014	
Story1	ELS 1.0D+1.0H+0.7SY	Combination	Max			Y	0.000279	
Story1	ELS 1.0D+1.0H+0.7SY	Combination	Min			Y	0.000537	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			X	0.000191	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			Y	0.00016	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			X	0.000175	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			Y	0.000167	
Story1	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			Y	0.000192	
Story1	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			Y	0.000464	
Story1	ELS 0.6D+1.0H	Combination				Y	8.1E-05	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Max			X	0.000245	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Max			Y	7.7E-05	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Min			X	0.000232	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Min			Y	8.6E-05	
Story1	ELS 0.6D+1.0H+0.7SY	Combination	Max			Y	0.000326	
Story1	ELS 0.6D+1.0H+0.7SY	Combination	Min			Y	0.000482	
Story1	ELU 1.2D+1.6H	Combination				Y	0.000162	
Story1	ELU 0.9D+1.6H	Combination				Y	0.000122	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Max			X	0.00035	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Max			Y	0.000115	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Min			X	0.000332	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Min			Y	0.000128	
Story1	ELU 0.9D+1.6H+1.0SY	Combination	Max			Y	0.00046	
Story1	ELU 0.9D+1.6H+1.0SY	Combination	Min			Y	0.000695	
Story1	DSIID1	Combination				Y	0.000135	
Story1	DSIID2	Combination				Y	0.000173	

Table 3.2 - Story Drifts (Part 2 of 2)

Story	Label	X m	Y m	Z m
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45

Story	Label	X m	Y m	Z m
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45

Story	Label	X m	Y m	Z m
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45

Story	Label	X m	Y m	Z m
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	2	0	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	10	20.8031	9.5	5.45
Story3	4	5.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story3	6	11.4031	9.5	5.45
Story2	5	11.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	2	0	9.5	3.95
Story2	5	11.4031	0	3.95
Story2	2	0	9.5	3.95
Story2	5	11.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	2	0	9.5	3.95
Story2	5	11.4031	0	3.95
Story2	2	0	9.5	3.95
Story2	5	11.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95

[illegible]

Story	Label	X m	Y m	Z m
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	3	5.4031	0	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	1	0	0	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	3	5.4031	0	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	2	0	9.5	3.95
Story2	3	5.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	2	0	9.5	3.95
Story2	3	5.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	2	0	9.5	3.95
Story2	2	0	9.5	3.95
Story2	3	5.4031	0	3.95
Story2	5	11.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	2	0	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	2	0	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	2	0	9.5	3.95

Story	Label	X m	Y m	Z m
Story2	6	11.4031	9.5	3.95
Story2	5	11.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	2	0	9.5	3.95
Story2	3	5.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	1	0	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	7	17.4031	0	3.95
Story2	2	0	9.5	3.95
Story2	3	5.4031	0	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story2	6	11.4031	9.5	3.95
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55

Story	Label	X m	Y m	Z m
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	1	0	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	1	0	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55

Story	Label	X m	Y m	Z m
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	1	0	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	1	0	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	9	20.8031	0	3.55
Story1	3	5.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55

Story	Label	X m	Y m	Z m
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	4	5.4031	9.5	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	7	17.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	9	20.8031	0	3.55
Story1	5	11.4031	0	3.55
Story1	3	5.4031	0	3.55
Story1	5	11.4031	0	3.55
Story1	5	11.4031	0	3.55

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
Story3	Top	Dead	LinStatic				5.42	0
Story3	Bottom	Dead	LinStatic				13.17	0
Story3	Top	Live	LinStatic				0	0
Story3	Bottom	Live	LinStatic				13.31	0
Story3	Top	SX	LinRespSpec	Max			0	4.92
Story3	Bottom	SX	LinRespSpec	Max			0	4.92
Story3	Top	SY	LinRespSpec	Max			0	0.02
Story3	Bottom	SY	LinRespSpec	Max			0	0.02
Story3	Top	SXEST	LinStatic				0	-23.05
Story3	Bottom	SXEST	LinStatic				0	-23.05
Story3	Top	SYEST	LinStatic				0	0
Story3	Bottom	SYEST	LinStatic				0	0
Story3	Top	DS	LinStatic				0	0
Story3	Bottom	DS	LinStatic				21.29	0
Story3	Top	W1	LinStatic				0	0

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story3	Bottom	W1	LinStatic				19.96	0
Story3	Top	W2	LinStatic				0	0
Story3	Bottom	W2	LinStatic				-10.65	0
Story3	Top	SX-UMBRAL	LinRespSpec	Max			0	4.04
Story3	Bottom	SX-UMBRAL	LinRespSpec	Max			0	4.04
Story3	Top	SY-UMBRAL	LinRespSpec	Max			0	0.01
Story3	Bottom	SY-UMBRAL	LinRespSpec	Max			0	0.01
Story3	Top	SX-UMBRAL-EST	LinStatic				0	-3.93
Story3	Bottom	SX-UMBRAL-EST	LinStatic				0	-3.93
Story3	Top	SY-UMBRAL-EST	LinStatic				0	0
Story3	Bottom	SY-UMBRAL-EST	LinStatic				0	0
Story3	Top	ELS 1.0D	Combination				5.42	0
Story3	Bottom	ELS 1.0D	Combination				34.47	0
Story3	Top	ELS 1.0D+1.0L	Combination				5.42	0
Story3	Bottom	ELS 1.0D+1.0L	Combination				47.77	0
Story3	Top	ELS 1.0D+0.75L	Combination				5.42	0
Story3	Bottom	ELS 1.0D+0.75L	Combination				44.44	0
Story3	Top	ELS 1.0D+0.7SX	Combination	Max			5.42	3.45
Story3	Bottom	ELS 1.0D+0.7SX	Combination	Max			34.47	3.45
Story3	Top	ELS 1.0D+0.7SX	Combination	Min			5.42	-3.45
Story3	Bottom	ELS 1.0D+0.7SX	Combination	Min			34.47	-3.45
Story3	Top	ELS 1.0D+0.7SY	Combination	Max			5.42	0.02
Story3	Bottom	ELS 1.0D+0.7SY	Combination	Max			34.47	0.02
Story3	Top	ELS 1.0D+0.7SY	Combination	Min			5.42	-0.02
Story3	Bottom	ELS 1.0D+0.7SY	Combination	Min			34.47	-0.02
Story3	Top	ELS 1.0D+0.75L+0.525SX	Combination	Max			5.42	2.58
Story3	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Max			44.44	2.58
Story3	Top	ELS 1.0D+0.75L+0.525SX	Combination	Min			5.42	-2.58
Story3	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Min			44.44	-2.58
Story3	Top	ELS 1.0D+0.75L+0.525SY	Combination	Max			5.42	0.01
Story3	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Max			44.44	0.01
Story3	Top	ELS 1.0D+0.75L+0.525SY	Combination	Min			5.42	-0.01
Story3	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Min			44.44	-0.01
Story3	Top	ELS 0.6D+0.7SX	Combination	Max			3.25	3.45
Story3	Bottom	ELS 0.6D+0.7SX	Combination	Max			20.68	3.45
Story3	Top	ELS 0.6D+0.7SX	Combination	Min			3.25	-3.45
Story3	Bottom	ELS 0.6D+0.7SX	Combination	Min			20.68	-3.45
Story3	Top	ELS 0.6D+0.7SY	Combination	Max			3.25	0.02
Story3	Bottom	ELS 0.6D+0.7SY	Combination	Max			20.68	0.02
Story3	Top	ELS 0.6D+0.7SY	Combination	Min			3.25	-0.02
Story3	Bottom	ELS 0.6D+0.7SY	Combination	Min			20.68	-0.02
Story3	Top	ELU 1.4D	Combination				7.59	0
Story3	Bottom	ELU 1.4D	Combination				48.25	0
Story3	Top	ELU 1.2D+1.6L	Combination				6.51	0
Story3	Bottom	ELU 1.2D+1.6L	Combination				62.65	0
Story3	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			6.51	4.93
Story3	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			54.66	4.93
Story3	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			6.51	-4.93
Story3	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			54.66	-4.93
Story3	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			6.51	1.5
Story3	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			54.66	1.5
Story3	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			6.51	-1.5
Story3	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			54.66	-1.5
Story3	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			6.51	4.93
Story3	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			54.66	4.93
Story3	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			6.51	-4.93
Story3	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			54.66	-4.93
Story3	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			6.51	1.5
Story3	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			54.66	1.5
Story3	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			6.51	-1.5

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story3	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			54.66	-1.5
Story3	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			6.51	4.93
Story3	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			54.66	4.93
Story3	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			6.51	-4.93
Story3	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			54.66	-4.93
Story3	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			6.51	1.5
Story3	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			54.66	1.5
Story3	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			6.51	-1.5
Story3	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			54.66	-1.5
Story3	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			6.51	4.93
Story3	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			54.66	4.93
Story3	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			6.51	-4.93
Story3	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			54.66	-4.93
Story3	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			6.51	1.5
Story3	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			54.66	1.5
Story3	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			6.51	-1.5
Story3	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			54.66	-1.5
Story3	Top	ELU 0.9D	Combination				4.88	0
Story3	Bottom	ELU 0.9D	Combination				31.02	0
Story3	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Max			4.88	4.93
Story3	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Max			31.02	4.93
Story3	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Min			4.88	-4.93
Story3	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Min			31.02	-4.93
Story3	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Max			4.88	1.5
Story3	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Max			31.02	1.5
Story3	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Min			4.88	-1.5
Story3	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Min			31.02	-1.5
Story3	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Max			4.88	4.93
Story3	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Max			31.02	4.93
Story3	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Min			4.88	-4.93
Story3	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Min			31.02	-4.93
Story3	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Max			4.88	1.5
Story3	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Max			31.02	1.5
Story3	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Min			4.88	-1.5
Story3	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Min			31.02	-1.5
Story3	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Max			4.88	4.93
Story3	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Max			31.02	4.93
Story3	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Min			4.88	-4.93
Story3	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Min			31.02	-4.93
Story3	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Max			4.88	1.5
Story3	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Max			31.02	1.5
Story3	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Min			4.88	-1.5
Story3	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Min			31.02	-1.5
Story3	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			4.88	4.93
Story3	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			31.02	4.93
Story3	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			4.88	-4.93
Story3	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Min			31.02	-4.93
Story3	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			4.88	1.5
Story3	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			31.02	1.5
Story3	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			4.88	-1.5
Story3	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			31.02	-1.5
Story3	Top	CIM 1.0D	Combination				5.42	0
Story3	Bottom	CIM 1.0D	Combination				34.47	0
Story3	Top	CIM 1.0D+1.0L	Combination				5.42	0
Story3	Bottom	CIM 1.0D+1.0L	Combination				47.77	0
Story3	Top	CIM 0,6D	Combination				3.25	0
Story3	Bottom	CIM 0,6D	Combination				20.68	0
Story3	Top	CIM 0,6D+0.7SX	Combination	Max			3.25	3.45
Story3	Bottom	CIM 0,6D+0.7SX	Combination	Max			20.68	3.45
Story3	Top	CIM 0,6D+0.7SX	Combination	Min			3.25	-3.45

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story3	Bottom	CIM 0,6D+0.7SX	Combination	Min			20.68	-3.45
Story3	Top	CIM 0,6D+0.7SY	Combination	Max			3.25	0.02
Story3	Bottom	CIM 0,6D+0.7SY	Combination	Max			20.68	0.02
Story3	Top	CIM 0,6D+0.7SY	Combination	Min			3.25	-0.02
Story3	Bottom	CIM 0,6D+0.7SY	Combination	Min			20.68	-0.02
Story3	Top	CIM 1.0D+0.7SX	Combination	Max			5.42	3.45
Story3	Bottom	CIM 1.0D+0.7SX	Combination	Max			34.47	3.45
Story3	Top	CIM 1.0D+0.7SX	Combination	Min			5.42	-3.45
Story3	Bottom	CIM 1.0D+0.7SX	Combination	Min			34.47	-3.45
Story3	Top	CIM 1.0D+0.7SY	Combination	Max			5.42	0.02
Story3	Bottom	CIM 1.0D+0.7SY	Combination	Max			34.47	0.02
Story3	Top	CIM 1.0D+0.7SY	Combination	Min			5.42	-0.02
Story3	Bottom	CIM 1.0D+0.7SY	Combination	Min			34.47	-0.02
Story3	Top	CIM 1.0D+0.75L+0.5SX	Combination	Max			5.42	2.46
Story3	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Max			44.44	2.46
Story3	Top	CIM 1.0D+0.75L+0.5SX	Combination	Min			5.42	-2.46
Story3	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Min			44.44	-2.46
Story3	Top	CIM 1.0D+0.75L+0.5SY	Combination	Max			5.42	0.01
Story3	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Max			44.44	0.01
Story3	Top	CIM 1.0D+0.75L+0.5SY	Combination	Min			5.42	-0.01
Story3	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Min			44.44	-0.01
Story3	Top	DES 1.0D+1.0SX	Combination	Max			5.42	4.92
Story3	Bottom	DES 1.0D+1.0SX	Combination	Max			34.47	4.92
Story3	Top	DES 1.0D+1.0SX	Combination	Min			5.42	-4.92
Story3	Bottom	DES 1.0D+1.0SX	Combination	Min			34.47	-4.92
Story3	Top	DES 1.0D+1.0SY	Combination	Max			5.42	0.02
Story3	Bottom	DES 1.0D+1.0SY	Combination	Max			34.47	0.02
Story3	Top	DES 1.0D+1.0SY	Combination	Min			5.42	-0.02
Story3	Bottom	DES 1.0D+1.0SY	Combination	Min			34.47	-0.02
Story3	Top	DES 1.0D+0.75L+0.75SX	Combination	Max			5.42	3.69
Story3	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Max			44.44	3.69
Story3	Top	DES 1.0D+0.75L+0.75SX	Combination	Min			5.42	-3.69
Story3	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Min			44.44	-3.69
Story3	Top	DES 1.0D+0.75L+0.75SY	Combination	Max			5.42	0.02
Story3	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Max			44.44	0.02
Story3	Top	DES 1.0D+0.75L+0.75SY	Combination	Min			5.42	-0.02
Story3	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Min			44.44	-0.02
Story3	Top	DES 0.6D+1.0SX	Combination	Max			3.25	4.92
Story3	Bottom	DES 0.6D+1.0SX	Combination	Max			20.68	4.92
Story3	Top	DES 0.6D+1.0SX	Combination	Min			3.25	-4.92
Story3	Bottom	DES 0.6D+1.0SX	Combination	Min			20.68	-4.92
Story3	Top	DES 0.6D+1.0SY	Combination	Max			3.25	0.02
Story3	Bottom	DES 0.6D+1.0SY	Combination	Max			20.68	0.02
Story3	Top	DES 0.6D+1.0SY	Combination	Min			3.25	-0.02
Story3	Bottom	DES 0.6D+1.0SY	Combination	Min			20.68	-0.02
Story3	Top	ELS 1.0D+1.0W1	Combination				5.42	0
Story3	Bottom	ELS 1.0D+1.0W1	Combination				54.42	0
Story3	Top	ELS 1.0D+1.0W2	Combination				5.42	0
Story3	Bottom	ELS 1.0D+1.0W2	Combination				23.82	0
Story3	Top	ELS 1.0D+0.75W1+0.75L	Combination				5.42	0
Story3	Bottom	ELS 1.0D+0.75W1+0.75L	Combination				59.41	0
Story3	Top	ELS 1.0D+0.75W2+0.75L	Combination				5.42	0
Story3	Bottom	ELS 1.0D+0.75W2+0.75L	Combination				36.46	0
Story3	Top	ELS 0.6D+1.0W1	Combination				3.25	0
Story3	Bottom	ELS 0.6D+1.0W1	Combination				40.64	0
Story3	Top	ELS 0.6D+1.0W2	Combination				3.25	0
Story3	Bottom	ELS 0.6D+1.0W2	Combination				10.03	0
Story3	Top	ELU 1.2D+0.8W1	Combination				6.51	0
Story3	Bottom	ELU 1.2D+0.8W1	Combination				57.33	0
Story3	Top	ELU 1.2D+0.8W2	Combination				6.51	0

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story3	Bottom	ELU 1.2D+0.8W2	Combination				32.84	0
Story3	Top	ELU 0.9D+1.6W1	Combination				4.88	0
Story3	Bottom	ELU 0.9D+1.6W1	Combination				62.95	0
Story3	Top	ELU 0.9D+1.6W2	Combination				4.88	0
Story3	Bottom	ELU 0.9D+1.6W2	Combination				13.99	0
Story3	Top	ELU 1.2D+1.6W1+1.0L	Combination				6.51	0
Story3	Bottom	ELU 1.2D+1.6W1+1.0L	Combination				86.6	0
Story3	Top	ELU 1.2D+1.6W2+1.0L	Combination				6.51	0
Story3	Bottom	ELU 1.2D+1.6W2+1.0L	Combination				37.63	0
Story3	Top	ELS 1.0D+1.0H+1.0L	Combination				5.42	0
Story3	Bottom	ELS 1.0D+1.0H+1.0L	Combination				47.77	0
Story3	Top	ELS 1.0D+1.0H	Combination				5.42	0
Story3	Bottom	ELS 1.0D+1.0H	Combination				34.47	0
Story3	Top	ELS 1.0D+1.0H+0.75L	Combination				5.42	0
Story3	Bottom	ELS 1.0D+1.0H+0.75L	Combination				44.44	0
Story3	Top	ELS 1.0D+1.0H+0.7SX	Combination	Max			5.42	3.45
Story3	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Max			34.47	3.45
Story3	Top	ELS 1.0D+1.0H+0.7SX	Combination	Min			5.42	-3.45
Story3	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Min			34.47	-3.45
Story3	Top	ELS 1.0D+1.0H+0.7SY	Combination	Max			5.42	0.02
Story3	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Max			34.47	0.02
Story3	Top	ELS 1.0D+1.0H+0.7SY	Combination	Min			5.42	-0.02
Story3	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Min			34.47	-0.02
Story3	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			5.42	2.58
Story3	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			44.44	2.58
Story3	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			5.42	-2.58
Story3	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			44.44	-2.58
Story3	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			5.42	0.01
Story3	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			44.44	0.01
Story3	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			5.42	-0.01
Story3	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			44.44	-0.01
Story3	Top	ELS 0.6D+1.0H	Combination				3.25	0
Story3	Bottom	ELS 0.6D+1.0H	Combination				20.68	0
Story3	Top	ELS 0.6D+1.0H+0.7SX	Combination	Max			3.25	3.45
Story3	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Max			20.68	3.45
Story3	Top	ELS 0.6D+1.0H+0.7SX	Combination	Min			3.25	-3.45
Story3	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Min			20.68	-3.45
Story3	Top	ELS 0.6D+1.0H+0.7SY	Combination	Max			3.25	0.02
Story3	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Max			20.68	0.02
Story3	Top	ELS 0.6D+1.0H+0.7SY	Combination	Min			3.25	-0.02
Story3	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Min			20.68	-0.02
Story3	Top	ELU 1.2D+1.6H	Combination				6.51	0
Story3	Bottom	ELU 1.2D+1.6H	Combination				41.36	0
Story3	Top	ELU 0.9D+1.6H	Combination				4.88	0
Story3	Bottom	ELU 0.9D+1.6H	Combination				31.02	0
Story3	Top	ELU 0.9D+1.6H+1.0SX	Combination	Max			4.88	4.92
Story3	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Max			31.02	4.92
Story3	Top	ELU 0.9D+1.6H+1.0SX	Combination	Min			4.88	-4.92
Story3	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Min			31.02	-4.92
Story3	Top	ELU 0.9D+1.6H+1.0SY	Combination	Max			4.88	0.02
Story3	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Max			31.02	0.02
Story3	Top	ELU 0.9D+1.6H+1.0SY	Combination	Min			4.88	-0.02
Story3	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Min			31.02	-0.02
Story3	Top	DStID1	Combination				5.42	0
Story3	Bottom	DStID1	Combination				34.47	0
Story3	Top	DStID2	Combination				5.42	0
Story3	Bottom	DStID2	Combination				47.77	0
Story2	Top	Dead	LinStatic				52.19	0
Story2	Bottom	Dead	LinStatic				54.6	0
Story2	Top	Live	LinStatic				13.31	0

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story2	Bottom	Live	LinStatic				13.31	0
Story2	Top	SX	LinRespSpec	Max			0	12.33
Story2	Bottom	SX	LinRespSpec	Max			0	12.33
Story2	Top	SY	LinRespSpec	Max			0	0.12
Story2	Bottom	SY	LinRespSpec	Max			0	0.12
Story2	Top	SXEST	LinStatic				0	-61.82
Story2	Bottom	SXEST	LinStatic				0	-61.82
Story2	Top	SYEST	LinStatic				0	0
Story2	Bottom	SYEST	LinStatic				0	0
Story2	Top	DS	LinStatic				21.29	0
Story2	Bottom	DS	LinStatic				21.29	0
Story2	Top	W1	LinStatic				19.96	0
Story2	Bottom	W1	LinStatic				19.96	0
Story2	Top	W2	LinStatic				-10.65	0
Story2	Bottom	W2	LinStatic				-10.65	0
Story2	Top	SX-UMBRAL	LinRespSpec	Max			0	10.24
Story2	Bottom	SX-UMBRAL	LinRespSpec	Max			0	10.24
Story2	Top	SY-UMBRAL	LinRespSpec	Max			0	0.08
Story2	Bottom	SY-UMBRAL	LinRespSpec	Max			0	0.08
Story2	Top	SX-UMBRAL-EST	LinStatic				0	-10.55
Story2	Bottom	SX-UMBRAL-EST	LinStatic				0	-10.55
Story2	Top	SY-UMBRAL-EST	LinStatic				0	0
Story2	Bottom	SY-UMBRAL-EST	LinStatic				0	0
Story2	Top	ELS 1.0D	Combination				73.48	0
Story2	Bottom	ELS 1.0D	Combination				75.89	0
Story2	Top	ELS 1.0D+1.0L	Combination				86.79	0
Story2	Bottom	ELS 1.0D+1.0L	Combination				89.19	0
Story2	Top	ELS 1.0D+0.75L	Combination				83.46	0
Story2	Bottom	ELS 1.0D+0.75L	Combination				85.87	0
Story2	Top	ELS 1.0D+0.7SX	Combination	Max			73.48	8.63
Story2	Bottom	ELS 1.0D+0.7SX	Combination	Max			75.89	8.63
Story2	Top	ELS 1.0D+0.7SX	Combination	Min			73.48	-8.63
Story2	Bottom	ELS 1.0D+0.7SX	Combination	Min			75.89	-8.63
Story2	Top	ELS 1.0D+0.7SY	Combination	Max			73.48	0.09
Story2	Bottom	ELS 1.0D+0.7SY	Combination	Max			75.89	0.09
Story2	Top	ELS 1.0D+0.7SY	Combination	Min			73.48	-0.09
Story2	Bottom	ELS 1.0D+0.7SY	Combination	Min			75.89	-0.09
Story2	Top	ELS 1.0D+0.75L+0.525SX	Combination	Max			83.46	6.47
Story2	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Max			85.87	6.47
Story2	Top	ELS 1.0D+0.75L+0.525SX	Combination	Min			83.46	-6.47
Story2	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Min			85.87	-6.47
Story2	Top	ELS 1.0D+0.75L+0.525SY	Combination	Max			83.46	0.07
Story2	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Max			85.87	0.07
Story2	Top	ELS 1.0D+0.75L+0.525SY	Combination	Min			83.46	-0.07
Story2	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Min			85.87	-0.07
Story2	Top	ELS 0.6D+0.7SX	Combination	Max			44.09	8.63
Story2	Bottom	ELS 0.6D+0.7SX	Combination	Max			45.53	8.63
Story2	Top	ELS 0.6D+0.7SX	Combination	Min			44.09	-8.63
Story2	Bottom	ELS 0.6D+0.7SX	Combination	Min			45.53	-8.63
Story2	Top	ELS 0.6D+0.7SY	Combination	Max			44.09	0.09
Story2	Bottom	ELS 0.6D+0.7SY	Combination	Max			45.53	0.09
Story2	Top	ELS 0.6D+0.7SY	Combination	Min			44.09	-0.09
Story2	Bottom	ELS 0.6D+0.7SY	Combination	Min			45.53	-0.09
Story2	Top	ELU 1.4D	Combination				102.88	0
Story2	Bottom	ELU 1.4D	Combination				106.24	0
Story2	Top	ELU 1.2D+1.6L	Combination				109.47	0
Story2	Bottom	ELU 1.2D+1.6L	Combination				112.35	0
Story2	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			101.49	12.37
Story2	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			104.37	12.37
Story2	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			101.49	-12.37

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story2	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			104.37	-12.37
Story2	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			101.49	3.82
Story2	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			104.37	3.82
Story2	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			101.49	-3.82
Story2	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			104.37	-3.82
Story2	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			101.49	12.37
Story2	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			104.37	12.37
Story2	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			101.49	-12.37
Story2	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			104.37	-12.37
Story2	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			101.49	3.82
Story2	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			104.37	3.82
Story2	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			101.49	-3.82
Story2	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			104.37	-3.82
Story2	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			101.49	12.37
Story2	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			104.37	12.37
Story2	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			101.49	-12.37
Story2	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			104.37	-12.37
Story2	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			101.49	3.82
Story2	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			104.37	3.82
Story2	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			101.49	-3.82
Story2	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			104.37	-3.82
Story2	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			101.49	12.37
Story2	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			104.37	12.37
Story2	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			101.49	-12.37
Story2	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			104.37	-12.37
Story2	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			101.49	3.82
Story2	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			104.37	3.82
Story2	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			101.49	-3.82
Story2	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			104.37	-3.82
Story2	Top	ELU 0.9D	Combination				66.13	0
Story2	Bottom	ELU 0.9D	Combination				68.3	0
Story2	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Max			66.13	12.37
Story2	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Max			68.3	12.37
Story2	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Min			66.13	-12.37
Story2	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Min			68.3	-12.37
Story2	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Max			66.13	3.82
Story2	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Max			68.3	3.82
Story2	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Min			66.13	-3.82
Story2	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Min			68.3	-3.82
Story2	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Max			66.13	12.37
Story2	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Max			68.3	12.37
Story2	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Min			66.13	-12.37
Story2	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Min			68.3	-12.37
Story2	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Max			66.13	3.82
Story2	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Max			68.3	3.82
Story2	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Min			66.13	-3.82
Story2	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Min			68.3	-3.82
Story2	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Max			66.13	12.37
Story2	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Max			68.3	12.37
Story2	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Min			66.13	-12.37
Story2	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Min			68.3	-12.37
Story2	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Max			66.13	3.82
Story2	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Max			68.3	3.82
Story2	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Min			66.13	-3.82
Story2	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Min			68.3	-3.82
Story2	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			66.13	12.37
Story2	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			68.3	12.37
Story2	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			66.13	-12.37
Story2	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Min			68.3	-12.37
Story2	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			66.13	3.82
Story2	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			68.3	3.82
Story2	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			66.13	-3.82
Story2	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			68.3	-3.82
Story2	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			66.13	12.37
Story2	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			68.3	12.37
Story2	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			66.13	-12.37
Story2	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Min			68.3	-12.37
Story2	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			66.13	3.82

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story2	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			68.3	3.82
Story2	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			66.13	-3.82
Story2	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			68.3	-3.82
Story2	Top	CIM 1.0D	Combination				73.48	0
Story2	Bottom	CIM 1.0D	Combination				75.89	0
Story2	Top	CIM 1.0D+1.0L	Combination				86.79	0
Story2	Bottom	CIM 1.0D+1.0L	Combination				89.19	0
Story2	Top	CIM 0,6D	Combination				44.09	0
Story2	Bottom	CIM 0,6D	Combination				45.53	0
Story2	Top	CIM 0,6D+0.7SX	Combination	Max			44.09	8.63
Story2	Bottom	CIM 0,6D+0.7SX	Combination	Max			45.53	8.63
Story2	Top	CIM 0,6D+0.7SX	Combination	Min			44.09	-8.63
Story2	Bottom	CIM 0,6D+0.7SX	Combination	Min			45.53	-8.63
Story2	Top	CIM 0,6D+0.7SY	Combination	Max			44.09	0.09
Story2	Bottom	CIM 0,6D+0.7SY	Combination	Max			45.53	0.09
Story2	Top	CIM 0,6D+0.7SY	Combination	Min			44.09	-0.09
Story2	Bottom	CIM 0,6D+0.7SY	Combination	Min			45.53	-0.09
Story2	Top	CIM 1.0D+0.7SX	Combination	Max			73.48	8.63
Story2	Bottom	CIM 1.0D+0.7SX	Combination	Max			75.89	8.63
Story2	Top	CIM 1.0D+0.7SX	Combination	Min			73.48	-8.63
Story2	Bottom	CIM 1.0D+0.7SX	Combination	Min			75.89	-8.63
Story2	Top	CIM 1.0D+0.7SY	Combination	Max			73.48	0.09
Story2	Bottom	CIM 1.0D+0.7SY	Combination	Max			75.89	0.09
Story2	Top	CIM 1.0D+0.7SY	Combination	Min			73.48	-0.09
Story2	Bottom	CIM 1.0D+0.7SY	Combination	Min			75.89	-0.09
Story2	Top	CIM 1.0D+0.75L+0.5SX	Combination	Max			83.46	6.16
Story2	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Max			85.87	6.16
Story2	Top	CIM 1.0D+0.75L+0.5SX	Combination	Min			83.46	-6.16
Story2	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Min			85.87	-6.16
Story2	Top	CIM 1.0D+0.75L+0.5SY	Combination	Max			83.46	0.06
Story2	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Max			85.87	0.06
Story2	Top	CIM 1.0D+0.75L+0.5SY	Combination	Min			83.46	-0.06
Story2	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Min			85.87	-0.06
Story2	Top	DES 1.0D+1.0SX	Combination	Max			73.48	12.33
Story2	Bottom	DES 1.0D+1.0SX	Combination	Max			75.89	12.33
Story2	Top	DES 1.0D+1.0SX	Combination	Min			73.48	-12.33
Story2	Bottom	DES 1.0D+1.0SX	Combination	Min			75.89	-12.33
Story2	Top	DES 1.0D+1.0SY	Combination	Max			73.48	0.12
Story2	Bottom	DES 1.0D+1.0SY	Combination	Max			75.89	0.12
Story2	Top	DES 1.0D+1.0SY	Combination	Min			73.48	-0.12
Story2	Bottom	DES 1.0D+1.0SY	Combination	Min			75.89	-0.12
Story2	Top	DES 1.0D+0.75L+0.75SX	Combination	Max			83.46	9.25
Story2	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Max			85.87	9.25
Story2	Top	DES 1.0D+0.75L+0.75SX	Combination	Min			83.46	-9.25
Story2	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Min			85.87	-9.25
Story2	Top	DES 1.0D+0.75L+0.75SY	Combination	Max			83.46	0.09
Story2	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Max			85.87	0.09
Story2	Top	DES 1.0D+0.75L+0.75SY	Combination	Min			83.46	-0.09
Story2	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Min			85.87	-0.09
Story2	Top	DES 0.6D+1.0SX	Combination	Max			44.09	12.33
Story2	Bottom	DES 0.6D+1.0SX	Combination	Max			45.53	12.33
Story2	Top	DES 0.6D+1.0SX	Combination	Min			44.09	-12.33
Story2	Bottom	DES 0.6D+1.0SX	Combination	Min			45.53	-12.33
Story2	Top	DES 0.6D+1.0SY	Combination	Max			44.09	0.12
Story2	Bottom	DES 0.6D+1.0SY	Combination	Max			45.53	0.12
Story2	Top	DES 0.6D+1.0SY	Combination	Min			44.09	-0.12
Story2	Bottom	DES 0.6D+1.0SY	Combination	Min			45.53	-0.12
Story2	Top	ELS 1.0D+1.0W1	Combination				93.44	0
Story2	Bottom	ELS 1.0D+1.0W1	Combination				95.85	0
Story2	Top	ELS 1.0D+1.0W2	Combination				62.84	0

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story2	Bottom	ELS 1.0D+1.0W2	Combination				65.24	0
Story2	Top	ELS 1.0D+0.75W1+0.75L	Combination				98.43	0
Story2	Bottom	ELS 1.0D+0.75W1+0.75L	Combination				100.84	0
Story2	Top	ELS 1.0D+0.75W2+0.75L	Combination				75.48	0
Story2	Bottom	ELS 1.0D+0.75W2+0.75L	Combination				77.88	0
Story2	Top	ELS 0.6D+1.0W1	Combination				64.05	0
Story2	Bottom	ELS 0.6D+1.0W1	Combination				65.49	0
Story2	Top	ELS 0.6D+1.0W2	Combination				33.44	0
Story2	Bottom	ELS 0.6D+1.0W2	Combination				34.89	0
Story2	Top	ELU 1.2D+0.8W1	Combination				104.15	0
Story2	Bottom	ELU 1.2D+0.8W1	Combination				107.03	0
Story2	Top	ELU 1.2D+0.8W2	Combination				79.66	0
Story2	Bottom	ELU 1.2D+0.8W2	Combination				82.55	0
Story2	Top	ELU 0.9D+1.6W1	Combination				98.07	0
Story2	Bottom	ELU 0.9D+1.6W1	Combination				100.23	0
Story2	Top	ELU 0.9D+1.6W2	Combination				49.1	0
Story2	Bottom	ELU 0.9D+1.6W2	Combination				51.26	0
Story2	Top	ELU 1.2D+1.6W1+1.0L	Combination				133.42	0
Story2	Bottom	ELU 1.2D+1.6W1+1.0L	Combination				136.3	0
Story2	Top	ELU 1.2D+1.6W2+1.0L	Combination				84.45	0
Story2	Bottom	ELU 1.2D+1.6W2+1.0L	Combination				87.34	0
Story2	Top	ELS 1.0D+1.0H+1.0L	Combination				86.79	0
Story2	Bottom	ELS 1.0D+1.0H+1.0L	Combination				89.19	0
Story2	Top	ELS 1.0D+1.0H	Combination				73.48	0
Story2	Bottom	ELS 1.0D+1.0H	Combination				75.89	0
Story2	Top	ELS 1.0D+1.0H+0.75L	Combination				83.46	0
Story2	Bottom	ELS 1.0D+1.0H+0.75L	Combination				85.87	0
Story2	Top	ELS 1.0D+1.0H+0.7SX	Combination	Max			73.48	8.63
Story2	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Max			75.89	8.63
Story2	Top	ELS 1.0D+1.0H+0.7SX	Combination	Min			73.48	-8.63
Story2	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Min			75.89	-8.63
Story2	Top	ELS 1.0D+1.0H+0.7SY	Combination	Max			73.48	0.09
Story2	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Max			75.89	0.09
Story2	Top	ELS 1.0D+1.0H+0.7SY	Combination	Min			73.48	-0.09
Story2	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Min			75.89	-0.09
Story2	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			83.46	6.47
Story2	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			85.87	6.47
Story2	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			83.46	-6.47
Story2	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			85.87	-6.47
Story2	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			83.46	0.07
Story2	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			85.87	0.07
Story2	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			83.46	-0.07
Story2	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			85.87	-0.07
Story2	Top	ELS 0.6D+1.0H	Combination				44.09	0
Story2	Bottom	ELS 0.6D+1.0H	Combination				45.53	0
Story2	Top	ELS 0.6D+1.0H+0.7SX	Combination	Max			44.09	8.63
Story2	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Max			45.53	8.63
Story2	Top	ELS 0.6D+1.0H+0.7SX	Combination	Min			44.09	-8.63
Story2	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Min			45.53	-8.63
Story2	Top	ELS 0.6D+1.0H+0.7SY	Combination	Max			44.09	0.09
Story2	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Max			45.53	0.09
Story2	Top	ELS 0.6D+1.0H+0.7SY	Combination	Min			44.09	-0.09
Story2	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Min			45.53	-0.09
Story2	Top	ELU 1.2D+1.6H	Combination				88.18	0
Story2	Bottom	ELU 1.2D+1.6H	Combination				91.06	0
Story2	Top	ELU 0.9D+1.6H	Combination				66.13	0
Story2	Bottom	ELU 0.9D+1.6H	Combination				68.3	0
Story2	Top	ELU 0.9D+1.6H+1.0SX	Combination	Max			66.13	12.33
Story2	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Max			68.3	12.33
Story2	Top	ELU 0.9D+1.6H+1.0SX	Combination	Min			66.13	-12.33

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story2	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Min			68.3	-12.33
Story2	Top	ELU 0.9D+1.6H+1.0SY	Combination	Max			66.13	0.12
Story2	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Max			68.3	0.12
Story2	Top	ELU 0.9D+1.6H+1.0SY	Combination	Min			66.13	-0.12
Story2	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Min			68.3	-0.12
Story2	Top	DStID1	Combination				73.48	0
Story2	Bottom	DStID1	Combination				75.89	0
Story2	Top	DStID2	Combination				86.79	0
Story2	Bottom	DStID2	Combination				89.19	0
Story1	Top	Dead	LinStatic				70.4	0
Story1	Bottom	Dead	LinStatic				91.72	0
Story1	Top	Live	LinStatic				13.31	0
Story1	Bottom	Live	LinStatic				13.31	0
Story1	Top	SX	LinRespSpec	Max			0	16.16
Story1	Bottom	SX	LinRespSpec	Max			0	16.16
Story1	Top	SY	LinRespSpec	Max			0	0.15
Story1	Bottom	SY	LinRespSpec	Max			0	0.15
Story1	Top	SXEST	LinStatic				0	-79.5
Story1	Bottom	SXEST	LinStatic				0	-79.5
Story1	Top	SYEST	LinStatic				0	0
Story1	Bottom	SYEST	LinStatic				0	0
Story1	Top	DS	LinStatic				21.29	0
Story1	Bottom	DS	LinStatic				21.29	0
Story1	Top	W1	LinStatic				19.96	0
Story1	Bottom	W1	LinStatic				19.96	0
Story1	Top	W2	LinStatic				-10.65	0
Story1	Bottom	W2	LinStatic				-10.65	0
Story1	Top	SX-UMBRAL	LinRespSpec	Max			0	13.39
Story1	Bottom	SX-UMBRAL	LinRespSpec	Max			0	13.39
Story1	Top	SY-UMBRAL	LinRespSpec	Max			0	0.09
Story1	Bottom	SY-UMBRAL	LinRespSpec	Max			0	0.09
Story1	Top	SX-UMBRAL-EST	LinStatic				0	-13.57
Story1	Bottom	SX-UMBRAL-EST	LinStatic				0	-13.57
Story1	Top	SY-UMBRAL-EST	LinStatic				0	0
Story1	Bottom	SY-UMBRAL-EST	LinStatic				0	0
Story1	Top	ELS 1.0D	Combination				91.69	0
Story1	Bottom	ELS 1.0D	Combination				113.01	0
Story1	Top	ELS 1.0D+1.0L	Combination				104.99	0
Story1	Bottom	ELS 1.0D+1.0L	Combination				126.32	0
Story1	Top	ELS 1.0D+0.75L	Combination				101.67	0
Story1	Bottom	ELS 1.0D+0.75L	Combination				122.99	0
Story1	Top	ELS 1.0D+0.7SX	Combination	Max			91.69	11.31
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Max			113.01	11.31
Story1	Top	ELS 1.0D+0.7SX	Combination	Min			91.69	-11.31
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Min			113.01	-11.31
Story1	Top	ELS 1.0D+0.7SY	Combination	Max			91.69	0.1
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Max			113.01	0.1
Story1	Top	ELS 1.0D+0.7SY	Combination	Min			91.69	-0.1
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Min			113.01	-0.1
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Max			101.67	8.48
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Max			122.99	8.48
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Min			101.67	-8.48
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Min			122.99	-8.48
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Max			101.67	0.08
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Max			122.99	0.08
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Min			101.67	-0.08
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Min			122.99	-0.08
Story1	Top	ELS 0.6D+0.7SX	Combination	Max			55.01	11.31
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Max			67.81	11.31
Story1	Top	ELS 0.6D+0.7SX	Combination	Min			55.01	-11.31

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Min			67.81	-11.31
Story1	Top	ELS 0.6D+0.7SY	Combination	Max			55.01	0.1
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Max			67.81	0.1
Story1	Top	ELS 0.6D+0.7SY	Combination	Min			55.01	-0.1
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Min			67.81	-0.1
Story1	Top	ELU 1.4D	Combination				128.36	0
Story1	Bottom	ELU 1.4D	Combination				158.22	0
Story1	Top	ELU 1.2D+1.6L	Combination				131.31	0
Story1	Bottom	ELU 1.2D+1.6L	Combination				156.9	0
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			123.33	16.2
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			148.92	16.2
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			123.33	-16.2
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			148.92	-16.2
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			123.33	5
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			148.92	5
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			123.33	-5
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			148.92	-5
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			123.33	16.2
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			148.92	16.2
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			123.33	-16.2
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			148.92	-16.2
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			123.33	5
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			148.92	5
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			123.33	-5
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			148.92	-5
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			123.33	16.2
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			148.92	16.2
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			123.33	-16.2
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			148.92	-16.2
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			123.33	5
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			148.92	5
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			123.33	-5
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			148.92	-5
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			123.33	16.2
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			148.92	16.2
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			123.33	-16.2
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			148.92	-16.2
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			123.33	5
Story1	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			148.92	5
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			123.33	-5
Story1	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			148.92	-5
Story1	Top	ELU 0.9D	Combination				82.52	0
Story1	Bottom	ELU 0.9D	Combination				101.71	0
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Max			82.52	16.2
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Max			101.71	16.2
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Min			82.52	-16.2
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Min			101.71	-16.2
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Max			82.52	5
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Max			101.71	5
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Min			82.52	-5
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Min			101.71	-5
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Max			82.52	16.2
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Max			101.71	16.2
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Min			82.52	-16.2
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Min			101.71	-16.2
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Max			82.52	5
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Max			101.71	5
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Min			82.52	-5
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Min			101.71	-5
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Max			82.52	16.2

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Max			101.71	16.2
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Min			82.52	-16.2
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Min			101.71	-16.2
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Max			82.52	5
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Max			101.71	5
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Min			82.52	-5
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Min			101.71	-5
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			82.52	16.2
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			101.71	16.2
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			82.52	-16.2
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Min			101.71	-16.2
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			82.52	5
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			101.71	5
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			82.52	-5
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			101.71	-5
Story1	Top	CIM 1.0D	Combination				91.69	0
Story1	Bottom	CIM 1.0D	Combination				113.01	0
Story1	Top	CIM 1.0D+1.0L	Combination				104.99	0
Story1	Bottom	CIM 1.0D+1.0L	Combination				126.32	0
Story1	Top	CIM 0,6D	Combination				55.01	0
Story1	Bottom	CIM 0,6D	Combination				67.81	0
Story1	Top	CIM 0,6D+0.7SX	Combination	Max			55.01	11.31
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Max			67.81	11.31
Story1	Top	CIM 0,6D+0.7SX	Combination	Min			55.01	-11.31
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Min			67.81	-11.31
Story1	Top	CIM 0,6D+0.7SY	Combination	Max			55.01	0.1
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Max			67.81	0.1
Story1	Top	CIM 0,6D+0.7SY	Combination	Min			55.01	-0.1
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Min			67.81	-0.1
Story1	Top	CIM 1.0D+0.7SX	Combination	Max			91.69	11.31
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Max			113.01	11.31
Story1	Top	CIM 1.0D+0.7SX	Combination	Min			91.69	-11.31
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Min			113.01	-11.31
Story1	Top	CIM 1.0D+0.7SY	Combination	Max			91.69	0.1
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Max			113.01	0.1
Story1	Top	CIM 1.0D+0.7SY	Combination	Min			91.69	-0.1
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Min			113.01	-0.1
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Max			101.67	8.08
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Max			122.99	8.08
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Min			101.67	-8.08
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Min			122.99	-8.08
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Max			101.67	0.07
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Max			122.99	0.07
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Min			101.67	-0.07
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Min			122.99	-0.07
Story1	Top	DES 1.0D+1.0SX	Combination	Max			91.69	16.16
Story1	Bottom	DES 1.0D+1.0SX	Combination	Max			113.01	16.16
Story1	Top	DES 1.0D+1.0SX	Combination	Min			91.69	-16.16
Story1	Bottom	DES 1.0D+1.0SX	Combination	Min			113.01	-16.16
Story1	Top	DES 1.0D+1.0SY	Combination	Max			91.69	0.15
Story1	Bottom	DES 1.0D+1.0SY	Combination	Max			113.01	0.15
Story1	Top	DES 1.0D+1.0SY	Combination	Min			91.69	-0.15
Story1	Bottom	DES 1.0D+1.0SY	Combination	Min			113.01	-0.15
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Max			101.67	12.12
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Max			122.99	12.12
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Min			101.67	-12.12
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Min			122.99	-12.12
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Max			101.67	0.11
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Max			122.99	0.11
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Min			101.67	-0.11

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Min			122.99	-0.11
Story1	Top	DES 0.6D+1.0SX	Combination	Max			55.01	16.16
Story1	Bottom	DES 0.6D+1.0SX	Combination	Max			67.81	16.16
Story1	Top	DES 0.6D+1.0SX	Combination	Min			55.01	-16.16
Story1	Bottom	DES 0.6D+1.0SX	Combination	Min			67.81	-16.16
Story1	Top	DES 0.6D+1.0SY	Combination	Max			55.01	0.15
Story1	Bottom	DES 0.6D+1.0SY	Combination	Max			67.81	0.15
Story1	Top	DES 0.6D+1.0SY	Combination	Min			55.01	-0.15
Story1	Bottom	DES 0.6D+1.0SY	Combination	Min			67.81	-0.15
Story1	Top	ELS 1.0D+1.0W1	Combination				111.65	0
Story1	Bottom	ELS 1.0D+1.0W1	Combination				132.97	0
Story1	Top	ELS 1.0D+1.0W2	Combination				81.04	0
Story1	Bottom	ELS 1.0D+1.0W2	Combination				102.37	0
Story1	Top	ELS 1.0D+0.75W1+0.75L	Combination				116.64	0
Story1	Bottom	ELS 1.0D+0.75W1+0.75L	Combination				137.96	0
Story1	Top	ELS 1.0D+0.75W2+0.75L	Combination				93.68	0
Story1	Bottom	ELS 1.0D+0.75W2+0.75L	Combination				115.01	0
Story1	Top	ELS 0.6D+1.0W1	Combination				74.97	0
Story1	Bottom	ELS 0.6D+1.0W1	Combination				87.77	0
Story1	Top	ELS 0.6D+1.0W2	Combination				44.37	0
Story1	Bottom	ELS 0.6D+1.0W2	Combination				57.16	0
Story1	Top	ELU 1.2D+0.8W1	Combination				125.99	0
Story1	Bottom	ELU 1.2D+0.8W1	Combination				151.58	0
Story1	Top	ELU 1.2D+0.8W2	Combination				101.51	0
Story1	Bottom	ELU 1.2D+0.8W2	Combination				127.1	0
Story1	Top	ELU 0.9D+1.6W1	Combination				114.45	0
Story1	Bottom	ELU 0.9D+1.6W1	Combination				133.65	0
Story1	Top	ELU 0.9D+1.6W2	Combination				65.49	0
Story1	Bottom	ELU 0.9D+1.6W2	Combination				84.68	0
Story1	Top	ELU 1.2D+1.6W1+1.0L	Combination				155.27	0
Story1	Bottom	ELU 1.2D+1.6W1+1.0L	Combination				180.86	0
Story1	Top	ELU 1.2D+1.6W2+1.0L	Combination				106.3	0
Story1	Bottom	ELU 1.2D+1.6W2+1.0L	Combination				131.89	0
Story1	Top	ELS 1.0D+1.0H+1.0L	Combination				104.99	0
Story1	Bottom	ELS 1.0D+1.0H+1.0L	Combination				126.32	0
Story1	Top	ELS 1.0D+1.0H	Combination				91.69	0
Story1	Bottom	ELS 1.0D+1.0H	Combination				113.01	0
Story1	Top	ELS 1.0D+1.0H+0.75L	Combination				101.67	0
Story1	Bottom	ELS 1.0D+1.0H+0.75L	Combination				122.99	0
Story1	Top	ELS 1.0D+1.0H+0.7SX	Combination	Max			91.69	11.31
Story1	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Max			113.01	11.31
Story1	Top	ELS 1.0D+1.0H+0.7SX	Combination	Min			91.69	-11.31
Story1	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Min			113.01	-11.31
Story1	Top	ELS 1.0D+1.0H+0.7SY	Combination	Max			91.69	0.1
Story1	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Max			113.01	0.1
Story1	Top	ELS 1.0D+1.0H+0.7SY	Combination	Min			91.69	-0.1
Story1	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Min			113.01	-0.1
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			101.67	8.48
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			122.99	8.48
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			101.67	-8.48
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			122.99	-8.48
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			101.67	0.08
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			122.99	0.08
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			101.67	-0.08
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			122.99	-0.08
Story1	Top	ELS 0.6D+1.0H	Combination				55.01	0
Story1	Bottom	ELS 0.6D+1.0H	Combination				67.81	0
Story1	Top	ELS 0.6D+1.0H+0.7SX	Combination	Max			55.01	11.31
Story1	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Max			67.81	11.31
Story1	Top	ELS 0.6D+1.0H+0.7SX	Combination	Min			55.01	-11.31

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Min			67.81	-11.31
Story1	Top	ELS 0.6D+1.0H+0.7SY	Combination	Max			55.01	0.1
Story1	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Max			67.81	0.1
Story1	Top	ELS 0.6D+1.0H+0.7SY	Combination	Min			55.01	-0.1
Story1	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Min			67.81	-0.1
Story1	Top	ELU 1.2D+1.6H	Combination				110.02	0
Story1	Bottom	ELU 1.2D+1.6H	Combination				135.61	0
Story1	Top	ELU 0.9D+1.6H	Combination				82.52	0
Story1	Bottom	ELU 0.9D+1.6H	Combination				101.71	0
Story1	Top	ELU 0.9D+1.6H+1.0SX	Combination	Max			82.52	16.16
Story1	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Max			101.71	16.16
Story1	Top	ELU 0.9D+1.6H+1.0SX	Combination	Min			82.52	-16.16
Story1	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Min			101.71	-16.16
Story1	Top	ELU 0.9D+1.6H+1.0SY	Combination	Max			82.52	0.15
Story1	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Max			101.71	0.15
Story1	Top	ELU 0.9D+1.6H+1.0SY	Combination	Min			82.52	-0.15
Story1	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Min			101.71	-0.15
Story1	Top	DStID1	Combination				91.69	0
Story1	Bottom	DStID1	Combination				113.01	0
Story1	Top	DStID2	Combination				104.99	0
Story1	Bottom	DStID2	Combination				126.32	0

Table 3.3 - Story Forces (Part 2 of 2)

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	113.3	-139.79
Story3	Top	0	0	0	0
Story3	Bottom	0	0	76.99	-138.41
Story3	Top	0.04	45.77	0	0
Story3	Bottom	0.04	45.77	0.06	7.39
Story3	Top	5.27	52.55	0	0
Story3	Bottom	5.27	52.55	7.9	0.03
Story3	Top	0	218.95	0	0
Story3	Bottom	0	218.95	0	-34.57
Story3	Top	-23.05	-240.84	0	0
Story3	Bottom	-23.05	-240.84	34.57	0
Story3	Top	0	0	0	0
Story3	Bottom	0	0	123.19	-221.45
Story3	Top	0	0	0	0
Story3	Bottom	0	0	115.49	-207.61
Story3	Top	0	0	0	0
Story3	Bottom	0	0	-61.6	110.73
Story3	Top	0.03	37.48	0	0
Story3	Bottom	0.03	37.48	0.05	6.06
Story3	Top	3.53	35.13	0	0
Story3	Bottom	3.53	35.13	5.3	0.02
Story3	Top	0	37.37	0	0
Story3	Bottom	0	37.37	0	-5.9
Story3	Top	-3.93	-41.1	0	0
Story3	Bottom	-3.93	-41.1	5.9	0
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	236.49	-361.25
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	313.48	-499.65
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	294.23	-465.05
Story3	Top	0.03	32.04	51.5	-55.96
Story3	Bottom	0.03	32.04	236.53	-356.08

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story3	Top	-0.03	-32.04	51.5	-55.96
Story3	Bottom	-0.03	-32.04	236.45	-366.42
Story3	Top	3.69	36.78	51.5	-55.96
Story3	Bottom	3.69	36.78	242.02	-361.22
Story3	Top	-3.69	-36.78	51.5	-55.96
Story3	Bottom	-3.69	-36.78	230.96	-361.27
Story3	Top	0.02	24.03	51.5	-55.96
Story3	Bottom	0.02	24.03	294.26	-461.17
Story3	Top	-0.02	-24.03	51.5	-55.96
Story3	Bottom	-0.02	-24.03	294.2	-468.93
Story3	Top	2.76	27.59	51.5	-55.96
Story3	Bottom	2.76	27.59	298.38	-465.03
Story3	Top	-2.76	-27.59	51.5	-55.96
Story3	Bottom	-2.76	-27.59	290.09	-465.07
Story3	Top	0.03	32.04	30.9	-33.58
Story3	Bottom	0.03	32.04	141.93	-211.58
Story3	Top	-0.03	-32.04	30.9	-33.58
Story3	Bottom	-0.03	-32.04	141.85	-221.92
Story3	Top	3.69	36.78	30.9	-33.58
Story3	Bottom	3.69	36.78	147.42	-216.72
Story3	Top	-3.69	-36.78	30.9	-33.58
Story3	Bottom	-3.69	-36.78	136.36	-216.77
Story3	Top	0	0	72.11	-78.34
Story3	Bottom	0	0	331.08	-505.74
Story3	Top	0	0	61.81	-67.15
Story3	Bottom	0	0	406.98	-654.95
Story3	Top	1.62	61.54	61.81	-67.15
Story3	Bottom	1.62	61.54	363.2	-564.51
Story3	Top	-1.62	-61.54	61.81	-67.15
Story3	Bottom	-1.62	-61.54	358.35	-579.3
Story3	Top	5.28	66.28	61.81	-67.15
Story3	Bottom	5.28	66.28	368.7	-569.65
Story3	Top	-5.28	-66.28	61.81	-67.15
Story3	Bottom	-5.28	-66.28	352.86	-574.15
Story3	Top	1.62	61.54	61.81	-67.15
Story3	Bottom	1.62	61.54	363.2	-564.51
Story3	Top	-1.62	-61.54	61.81	-67.15
Story3	Bottom	-1.62	-61.54	358.35	-579.3
Story3	Top	5.28	66.28	61.81	-67.15
Story3	Bottom	5.28	66.28	368.7	-569.65
Story3	Top	-5.28	-66.28	61.81	-67.15
Story3	Bottom	-5.28	-66.28	352.86	-574.15
Story3	Top	1.62	61.54	61.81	-67.15
Story3	Bottom	1.62	61.54	363.2	-564.51
Story3	Top	-1.62	-61.54	61.81	-67.15
Story3	Bottom	-1.62	-61.54	358.35	-579.3
Story3	Top	5.28	66.28	61.81	-67.15
Story3	Bottom	5.28	66.28	368.7	-569.65
Story3	Top	-5.28	-66.28	61.81	-67.15
Story3	Bottom	-5.28	-66.28	352.86	-574.15
Story3	Top	1.62	61.54	61.81	-67.15
Story3	Bottom	1.62	61.54	363.2	-564.51
Story3	Top	-1.62	-61.54	61.81	-67.15
Story3	Bottom	-1.62	-61.54	358.35	-579.3
Story3	Top	5.28	66.28	61.81	-67.15
Story3	Bottom	5.28	66.28	368.7	-569.65
Story3	Top	-5.28	-66.28	61.81	-67.15
Story3	Bottom	-5.28	-66.28	352.86	-574.15
Story3	Top	1.62	61.54	61.81	-67.15
Story3	Bottom	1.62	61.54	363.2	-564.51
Story3	Top	-1.62	-61.54	61.81	-67.15
Story3	Bottom	-1.62	-61.54	358.35	-579.3
Story3	Top	5.28	66.28	61.81	-67.15
Story3	Bottom	5.28	66.28	368.7	-569.65
Story3	Top	-5.28	-66.28	61.81	-67.15
Story3	Bottom	-5.28	-66.28	352.86	-574.15
Story3	Top	0	0	46.35	-50.36
Story3	Bottom	0	0	212.84	-325.12

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story3	Top	1.62	61.54	46.35	-50.36
Story3	Bottom	1.62	61.54	215.26	-317.73
Story3	Top	-1.62	-61.54	46.35	-50.36
Story3	Bottom	-1.62	-61.54	210.41	-332.52
Story3	Top	5.28	66.28	46.35	-50.36
Story3	Bottom	5.28	66.28	220.76	-322.87
Story3	Top	-5.28	-66.28	46.35	-50.36
Story3	Bottom	-5.28	-66.28	204.92	-327.37
Story3	Top	1.62	61.54	46.35	-50.36
Story3	Bottom	1.62	61.54	215.26	-317.73
Story3	Top	-1.62	-61.54	46.35	-50.36
Story3	Bottom	-1.62	-61.54	210.41	-332.52
Story3	Top	5.28	66.28	46.35	-50.36
Story3	Bottom	5.28	66.28	220.76	-322.87
Story3	Top	-5.28	-66.28	46.35	-50.36
Story3	Bottom	-5.28	-66.28	204.92	-327.37
Story3	Top	1.62	61.54	46.35	-50.36
Story3	Bottom	1.62	61.54	215.26	-317.73
Story3	Top	-1.62	-61.54	46.35	-50.36
Story3	Bottom	-1.62	-61.54	210.41	-332.52
Story3	Top	5.28	66.28	46.35	-50.36
Story3	Bottom	5.28	66.28	220.76	-322.87
Story3	Top	-5.28	-66.28	46.35	-50.36
Story3	Bottom	-5.28	-66.28	204.92	-327.37
Story3	Top	1.62	61.54	46.35	-50.36
Story3	Bottom	1.62	61.54	215.26	-317.73
Story3	Top	-1.62	-61.54	46.35	-50.36
Story3	Bottom	-1.62	-61.54	210.41	-332.52
Story3	Top	5.28	66.28	46.35	-50.36
Story3	Bottom	5.28	66.28	220.76	-322.87
Story3	Top	-5.28	-66.28	46.35	-50.36
Story3	Bottom	-5.28	-66.28	204.92	-327.37
Story3	Top	1.62	61.54	46.35	-50.36
Story3	Bottom	1.62	61.54	215.26	-317.73
Story3	Top	-1.62	-61.54	46.35	-50.36
Story3	Bottom	-1.62	-61.54	210.41	-332.52
Story3	Top	5.28	66.28	46.35	-50.36
Story3	Bottom	5.28	66.28	220.76	-322.87
Story3	Top	-5.28	-66.28	46.35	-50.36
Story3	Bottom	-5.28	-66.28	204.92	-327.37
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	236.49	-361.25
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	313.48	-499.65
Story3	Top	0	0	30.9	-33.58
Story3	Bottom	0	0	141.89	-216.75
Story3	Top	0.03	32.04	30.9	-33.58
Story3	Bottom	0.03	32.04	141.93	-211.58
Story3	Top	-0.03	-32.04	30.9	-33.58
Story3	Bottom	-0.03	-32.04	141.85	-221.92
Story3	Top	3.69	36.78	30.9	-33.58
Story3	Bottom	3.69	36.78	147.42	-216.72
Story3	Top	-3.69	-36.78	30.9	-33.58
Story3	Bottom	-3.69	-36.78	136.36	-216.77
Story3	Top	0.03	32.04	51.5	-55.96
Story3	Bottom	0.03	32.04	236.53	-356.08
Story3	Top	-0.03	-32.04	51.5	-55.96
Story3	Bottom	-0.03	-32.04	236.45	-366.42
Story3	Top	3.69	36.78	51.5	-55.96
Story3	Bottom	3.69	36.78	242.02	-361.22
Story3	Top	-3.69	-36.78	51.5	-55.96
Story3	Bottom	-3.69	-36.78	230.96	-361.27
Story3	Top	0.02	22.89	51.5	-55.96
Story3	Bottom	0.02	22.89	294.26	-461.36
Story3	Top	-0.02	-22.89	51.5	-55.96
Story3	Bottom	-0.02	-22.89	294.21	-468.75
Story3	Top	2.63	26.27	51.5	-55.96
Story3	Bottom	2.63	26.27	298.18	-465.04

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story3	Top	-2.63	-26.27	51.5	-55.96
Story3	Bottom	-2.63	-26.27	290.28	-465.07
Story3	Top	0.04	45.77	51.5	-55.96
Story3	Bottom	0.04	45.77	236.54	-353.86
Story3	Top	-0.04	-45.77	51.5	-55.96
Story3	Bottom	-0.04	-45.77	236.43	-368.63
Story3	Top	5.27	52.55	51.5	-55.96
Story3	Bottom	5.27	52.55	244.39	-361.21
Story3	Top	-5.27	-52.55	51.5	-55.96
Story3	Bottom	-5.27	-52.55	228.59	-361.28
Story3	Top	0.03	34.33	51.5	-55.96
Story3	Bottom	0.03	34.33	294.28	-459.51
Story3	Top	-0.03	-34.33	51.5	-55.96
Story3	Bottom	-0.03	-34.33	294.19	-470.59
Story3	Top	3.95	39.41	51.5	-55.96
Story3	Bottom	3.95	39.41	300.16	-465.03
Story3	Top	-3.95	-39.41	51.5	-55.96
Story3	Bottom	-3.95	-39.41	288.31	-465.08
Story3	Top	0.04	45.77	30.9	-33.58
Story3	Bottom	0.04	45.77	141.95	-209.36
Story3	Top	-0.04	-45.77	30.9	-33.58
Story3	Bottom	-0.04	-45.77	141.84	-224.13
Story3	Top	5.27	52.55	30.9	-33.58
Story3	Bottom	5.27	52.55	149.79	-216.71
Story3	Top	-5.27	-52.55	30.9	-33.58
Story3	Bottom	-5.27	-52.55	133.99	-216.78
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	351.98	-568.86
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	174.89	-250.52
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	380.85	-620.76
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	248.04	-382.01
Story3	Top	0	0	30.9	-33.58
Story3	Bottom	0	0	257.38	-424.36
Story3	Top	0	0	30.9	-33.58
Story3	Bottom	0	0	80.3	-106.02
Story3	Top	0	0	61.81	-67.15
Story3	Bottom	0	0	376.18	-599.59
Story3	Top	0	0	61.81	-67.15
Story3	Bottom	0	0	234.51	-344.91
Story3	Top	0	0	46.35	-50.36
Story3	Bottom	0	0	397.63	-657.3
Story3	Top	0	0	46.35	-50.36
Story3	Bottom	0	0	114.29	-147.96
Story3	Top	0	0	61.81	-67.15
Story3	Bottom	0	0	545.57	-904.08
Story3	Top	0	0	61.81	-67.15
Story3	Bottom	0	0	262.23	-394.74
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	313.48	-499.65
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	236.49	-361.25
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	294.23	-465.05
Story3	Top	0.03	32.04	51.5	-55.96
Story3	Bottom	0.03	32.04	236.53	-356.08
Story3	Top	-0.03	-32.04	51.5	-55.96
Story3	Bottom	-0.03	-32.04	236.45	-366.42

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story3	Top	3.69	36.78	51.5	-55.96
Story3	Bottom	3.69	36.78	242.02	-361.22
Story3	Top	-3.69	-36.78	51.5	-55.96
Story3	Bottom	-3.69	-36.78	230.96	-361.27
Story3	Top	0.02	24.03	51.5	-55.96
Story3	Bottom	0.02	24.03	294.26	-461.17
Story3	Top	-0.02	-24.03	51.5	-55.96
Story3	Bottom	-0.02	-24.03	294.2	-468.93
Story3	Top	2.76	27.59	51.5	-55.96
Story3	Bottom	2.76	27.59	298.38	-465.03
Story3	Top	-2.76	-27.59	51.5	-55.96
Story3	Bottom	-2.76	-27.59	290.09	-465.07
Story3	Top	0	0	30.9	-33.58
Story3	Bottom	0	0	141.89	-216.75
Story3	Top	0.03	32.04	30.9	-33.58
Story3	Bottom	0.03	32.04	141.93	-211.58
Story3	Top	-0.03	-32.04	30.9	-33.58
Story3	Bottom	-0.03	-32.04	141.85	-221.92
Story3	Top	3.69	36.78	30.9	-33.58
Story3	Bottom	3.69	36.78	147.42	-216.72
Story3	Top	-3.69	-36.78	30.9	-33.58
Story3	Bottom	-3.69	-36.78	136.36	-216.77
Story3	Top	0	0	61.81	-67.15
Story3	Bottom	0	0	283.79	-433.5
Story3	Top	0	0	46.35	-50.36
Story3	Bottom	0	0	212.84	-325.12
Story3	Top	0.04	45.77	46.35	-50.36
Story3	Bottom	0.04	45.77	212.89	-317.74
Story3	Top	-0.04	-45.77	46.35	-50.36
Story3	Bottom	-0.04	-45.77	212.78	-332.51
Story3	Top	5.27	52.55	46.35	-50.36
Story3	Bottom	5.27	52.55	220.74	-325.09
Story3	Top	-5.27	-52.55	46.35	-50.36
Story3	Bottom	-5.27	-52.55	204.94	-325.15
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	236.49	-361.25
Story3	Top	0	0	51.5	-55.96
Story3	Bottom	0	0	313.48	-499.65
Story2	Top	0	0	106.82	-547.55
Story2	Bottom	0	0	118.23	-573.98
Story2	Top	0	0	76.99	-138.41
Story2	Bottom	0	0	76.99	-138.41
Story2	Top	0.11	48.18	0.06	7.39
Story2	Bottom	0.11	48.18	0.1	12.26
Story2	Top	15.01	150.02	7.9	0.03
Story2	Bottom	15.01	150.02	13.89	0.05
Story2	Top	0	266.74	0	-34.57
Story2	Bottom	0	266.74	0	-59.3
Story2	Top	-61.82	-647.19	34.57	0
Story2	Bottom	-61.82	-647.19	59.3	0
Story2	Top	0	0	123.19	-221.45
Story2	Bottom	0	0	123.19	-221.45
Story2	Top	0	0	115.49	-207.61
Story2	Bottom	0	0	115.49	-207.61
Story2	Top	0	0	-61.6	110.73
Story2	Bottom	0	0	-61.6	110.73
Story2	Top	0.1	39.82	0.05	6.06
Story2	Bottom	0.1	39.82	0.08	10.1
Story2	Top	10.09	100.67	5.3	0.02
Story2	Bottom	10.09	100.67	9.33	0.03

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	Top	0	45.52	0	-5.9
Story2	Bottom	0	45.52	0	-10.12
Story2	Top	-10.55	-110.45	5.9	0
Story2	Bottom	-10.55	-110.45	10.12	0
Story2	Top	0	0	230.01	-769
Story2	Bottom	0	0	241.42	-795.44
Story2	Top	0	0	307	-907.41
Story2	Bottom	0	0	318.42	-933.85
Story2	Top	0	0	287.75	-872.81
Story2	Bottom	0	0	299.17	-899.24
Story2	Top	0.08	33.73	230.05	-763.83
Story2	Bottom	0.08	33.73	241.49	-786.85
Story2	Top	-0.08	-33.73	229.97	-774.17
Story2	Bottom	-0.08	-33.73	241.35	-804.02
Story2	Top	10.51	105.02	235.54	-768.98
Story2	Bottom	10.51	105.02	251.15	-795.41
Story2	Top	-10.51	-105.02	224.48	-769.02
Story2	Bottom	-10.51	-105.02	231.7	-795.47
Story2	Top	0.06	25.29	287.78	-868.93
Story2	Bottom	0.06	25.29	299.22	-892.81
Story2	Top	-0.06	-25.29	287.73	-876.68
Story2	Bottom	-0.06	-25.29	299.12	-905.68
Story2	Top	7.88	78.76	291.9	-872.79
Story2	Bottom	7.88	78.76	306.46	-899.22
Story2	Top	-7.88	-78.76	283.61	-872.82
Story2	Bottom	-7.88	-78.76	291.88	-899.27
Story2	Top	0.08	33.73	138.04	-456.23
Story2	Bottom	0.08	33.73	144.92	-468.68
Story2	Top	-0.08	-33.73	137.97	-466.57
Story2	Bottom	-0.08	-33.73	144.78	-485.85
Story2	Top	10.51	105.02	143.53	-461.38
Story2	Bottom	10.51	105.02	154.58	-477.23
Story2	Top	-10.51	-105.02	132.48	-461.42
Story2	Bottom	-10.51	-105.02	135.13	-477.29
Story2	Top	0	0	322.01	-1076.6
Story2	Bottom	0	0	337.99	-1113.61
Story2	Top	0	0	399.2	-1144.25
Story2	Bottom	0	0	412.9	-1175.98
Story2	Top	4.61	93.19	355.43	-1053.81
Story2	Bottom	4.61	93.19	370.97	-1080.66
Story2	Top	-4.61	-93.19	350.58	-1068.61
Story2	Bottom	-4.61	-93.19	362.43	-1105.21
Story2	Top	15.04	164.48	360.92	-1058.96
Story2	Bottom	15.04	164.48	380.62	-1089.21
Story2	Top	-15.04	-164.48	345.09	-1063.46
Story2	Bottom	-15.04	-164.48	352.78	-1096.66
Story2	Top	4.61	93.19	355.43	-1053.81
Story2	Bottom	4.61	93.19	370.97	-1080.66
Story2	Top	-4.61	-93.19	350.58	-1068.61
Story2	Bottom	-4.61	-93.19	362.43	-1105.21
Story2	Top	15.04	164.48	360.92	-1058.96
Story2	Bottom	15.04	164.48	380.62	-1089.21
Story2	Top	-15.04	-164.48	345.09	-1063.46
Story2	Bottom	-15.04	-164.48	352.78	-1096.66
Story2	Top	4.61	93.19	355.43	-1053.81
Story2	Bottom	4.61	93.19	370.97	-1080.66
Story2	Top	-4.61	-93.19	350.58	-1068.61
Story2	Bottom	-4.61	-93.19	362.43	-1105.21
Story2	Top	15.04	164.48	360.92	-1058.96
Story2	Bottom	15.04	164.48	380.62	-1089.21

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	Top	-15.04	-164.48	345.09	-1063.46
Story2	Bottom	-15.04	-164.48	352.78	-1096.66
Story2	Top	4.61	93.19	355.43	-1053.81
Story2	Bottom	4.61	93.19	370.97	-1080.66
Story2	Top	-4.61	-93.19	350.58	-1068.61
Story2	Bottom	-4.61	-93.19	362.43	-1105.21
Story2	Top	15.04	164.48	360.92	-1058.96
Story2	Bottom	15.04	164.48	380.62	-1089.21
Story2	Top	-15.04	-164.48	345.09	-1063.46
Story2	Bottom	-15.04	-164.48	352.78	-1096.66
Story2	Top	0	0	207.01	-692.1
Story2	Bottom	0	0	217.28	-715.89
Story2	Top	4.61	93.19	209.43	-684.71
Story2	Bottom	4.61	93.19	221.55	-703.62
Story2	Top	-4.61	-93.19	204.58	-699.5
Story2	Bottom	-4.61	-93.19	213.01	-728.17
Story2	Top	15.04	164.48	214.92	-689.85
Story2	Bottom	15.04	164.48	231.2	-712.17
Story2	Top	-15.04	-164.48	199.09	-694.35
Story2	Bottom	-15.04	-164.48	203.36	-719.62
Story2	Top	4.61	93.19	209.43	-684.71
Story2	Bottom	4.61	93.19	221.55	-703.62
Story2	Top	-4.61	-93.19	204.58	-699.5
Story2	Bottom	-4.61	-93.19	213.01	-728.17
Story2	Top	15.04	164.48	214.92	-689.85
Story2	Bottom	15.04	164.48	231.2	-712.17
Story2	Top	-15.04	-164.48	199.09	-694.35
Story2	Bottom	-15.04	-164.48	203.36	-719.62
Story2	Top	4.61	93.19	209.43	-684.71
Story2	Bottom	4.61	93.19	221.55	-703.62
Story2	Top	-4.61	-93.19	204.58	-699.5
Story2	Bottom	-4.61	-93.19	213.01	-728.17
Story2	Top	15.04	164.48	214.92	-689.85
Story2	Bottom	15.04	164.48	231.2	-712.17
Story2	Top	-15.04	-164.48	199.09	-694.35
Story2	Bottom	-15.04	-164.48	203.36	-719.62
Story2	Top	4.61	93.19	209.43	-684.71
Story2	Bottom	4.61	93.19	221.55	-703.62
Story2	Top	-4.61	-93.19	204.58	-699.5
Story2	Bottom	-4.61	-93.19	213.01	-728.17
Story2	Top	15.04	164.48	214.92	-689.85
Story2	Bottom	15.04	164.48	231.2	-712.17
Story2	Top	-15.04	-164.48	199.09	-694.35
Story2	Bottom	-15.04	-164.48	203.36	-719.62
Story2	Top	4.61	93.19	209.43	-684.71
Story2	Bottom	4.61	93.19	221.55	-703.62
Story2	Top	-4.61	-93.19	204.58	-699.5
Story2	Bottom	-4.61	-93.19	213.01	-728.17
Story2	Top	15.04	164.48	214.92	-689.85
Story2	Bottom	15.04	164.48	231.2	-712.17
Story2	Top	-15.04	-164.48	199.09	-694.35
Story2	Bottom	-15.04	-164.48	203.36	-719.62
Story2	Top	0	0	230.01	-769
Story2	Bottom	0	0	241.42	-795.44
Story2	Top	0	0	307	-907.41
Story2	Bottom	0	0	318.42	-933.85
Story2	Top	0	0	138.01	-461.4
Story2	Bottom	0	0	144.85	-477.26
Story2	Top	0.08	33.73	138.04	-456.23
Story2	Bottom	0.08	33.73	144.92	-468.68
Story2	Top	-0.08	-33.73	137.97	-466.57
Story2	Bottom	-0.08	-33.73	144.78	-485.85
Story2	Top	10.51	105.02	143.53	-461.38
Story2	Bottom	10.51	105.02	154.58	-477.23
Story2	Top	-10.51	-105.02	132.48	-461.42
Story2	Bottom	-10.51	-105.02	135.13	-477.29
Story2	Top	0.08	33.73	230.05	-763.83
Story2	Bottom	0.08	33.73	241.49	-786.85

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	Top	-0.08	-33.73	229.97	-774.17
Story2	Bottom	-0.08	-33.73	241.35	-804.02
Story2	Top	10.51	105.02	235.54	-768.98
Story2	Bottom	10.51	105.02	251.15	-795.41
Story2	Top	-10.51	-105.02	224.48	-769.02
Story2	Bottom	-10.51	-105.02	231.7	-795.47
Story2	Top	0.06	24.09	287.78	-869.11
Story2	Bottom	0.06	24.09	299.22	-893.11
Story2	Top	-0.06	-24.09	287.73	-876.5
Story2	Bottom	-0.06	-24.09	299.12	-905.38
Story2	Top	7.5	75.01	291.7	-872.79
Story2	Bottom	7.5	75.01	306.11	-899.22
Story2	Top	-7.5	-75.01	283.8	-872.82
Story2	Bottom	-7.5	-75.01	292.22	-899.27
Story2	Top	0.11	48.18	230.06	-761.62
Story2	Bottom	0.11	48.18	241.52	-783.17
Story2	Top	-0.11	-48.18	229.95	-776.39
Story2	Bottom	-0.11	-48.18	241.32	-807.7
Story2	Top	15.01	150.02	237.91	-768.97
Story2	Bottom	15.01	150.02	255.31	-795.39
Story2	Top	-15.01	-150.02	222.11	-769.03
Story2	Bottom	-15.01	-150.02	227.53	-795.48
Story2	Top	0.08	36.13	287.8	-867.27
Story2	Bottom	0.08	36.13	299.24	-890.05
Story2	Top	-0.08	-36.13	287.71	-878.35
Story2	Bottom	-0.08	-36.13	299.09	-908.44
Story2	Top	11.26	112.52	293.68	-872.78
Story2	Bottom	11.26	112.52	309.59	-899.21
Story2	Top	-11.26	-112.52	281.83	-872.83
Story2	Bottom	-11.26	-112.52	288.75	-899.28
Story2	Top	0.11	48.18	138.06	-454.02
Story2	Bottom	0.11	48.18	144.95	-465
Story2	Top	-0.11	-48.18	137.95	-468.79
Story2	Bottom	-0.11	-48.18	144.75	-489.53
Story2	Top	15.01	150.02	145.9	-461.37
Story2	Bottom	15.01	150.02	158.74	-477.22
Story2	Top	-15.01	-150.02	130.11	-461.43
Story2	Bottom	-15.01	-150.02	130.96	-477.31
Story2	Top	0	0	345.5	-976.61
Story2	Bottom	0	0	356.91	-1003.05
Story2	Top	0	0	168.41	-658.27
Story2	Bottom	0	0	179.83	-684.71
Story2	Top	0	0	374.37	-1028.52
Story2	Bottom	0	0	385.79	-1054.95
Story2	Top	0	0	241.56	-789.76
Story2	Bottom	0	0	252.97	-816.2
Story2	Top	0	0	253.5	-669.01
Story2	Bottom	0	0	260.34	-684.87
Story2	Top	0	0	76.41	-350.67
Story2	Bottom	0	0	83.26	-366.54
Story2	Top	0	0	368.4	-1088.89
Story2	Bottom	0	0	382.1	-1120.61
Story2	Top	0	0	226.73	-834.22
Story2	Bottom	0	0	240.43	-865.94
Story2	Top	0	0	391.79	-1024.28
Story2	Bottom	0	0	402.07	-1048.07
Story2	Top	0	0	108.46	-514.94
Story2	Bottom	0	0	118.73	-538.73
Story2	Top	0	0	537.79	-1393.39
Story2	Bottom	0	0	551.49	-1425.11

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story2	Top	0	0	254.45	-884.05
Story2	Bottom	0	0	268.15	-915.77
Story2	Top	0	0	307	-907.41
Story2	Bottom	0	0	318.42	-933.85
Story2	Top	0	0	230.01	-769
Story2	Bottom	0	0	241.42	-795.44
Story2	Top	0	0	287.75	-872.81
Story2	Bottom	0	0	299.17	-899.24
Story2	Top	0.08	33.73	230.05	-763.83
Story2	Bottom	0.08	33.73	241.49	-786.85
Story2	Top	-0.08	-33.73	229.97	-774.17
Story2	Bottom	-0.08	-33.73	241.35	-804.02
Story2	Top	10.51	105.02	235.54	-768.98
Story2	Bottom	10.51	105.02	251.15	-795.41
Story2	Top	-10.51	-105.02	224.48	-769.02
Story2	Bottom	-10.51	-105.02	231.7	-795.47
Story2	Top	0.06	25.29	287.78	-868.93
Story2	Bottom	0.06	25.29	299.22	-892.81
Story2	Top	-0.06	-25.29	287.73	-876.68
Story2	Bottom	-0.06	-25.29	299.12	-905.68
Story2	Top	7.88	78.76	291.9	-872.79
Story2	Bottom	7.88	78.76	306.46	-899.22
Story2	Top	-7.88	-78.76	283.61	-872.82
Story2	Bottom	-7.88	-78.76	291.88	-899.27
Story2	Top	0	0	138.01	-461.4
Story2	Bottom	0	0	144.85	-477.26
Story2	Top	0.08	33.73	138.04	-456.23
Story2	Bottom	0.08	33.73	144.92	-468.68
Story2	Top	-0.08	-33.73	137.97	-466.57
Story2	Bottom	-0.08	-33.73	144.78	-485.85
Story2	Top	10.51	105.02	143.53	-461.38
Story2	Bottom	10.51	105.02	154.58	-477.23
Story2	Top	-10.51	-105.02	132.48	-461.42
Story2	Bottom	-10.51	-105.02	135.13	-477.29
Story2	Top	0	0	276.01	-922.8
Story2	Bottom	0	0	289.71	-954.52
Story2	Top	0	0	207.01	-692.1
Story2	Bottom	0	0	217.28	-715.89
Story2	Top	0.11	48.18	207.06	-684.72
Story2	Bottom	0.11	48.18	217.38	-703.63
Story2	Top	-0.11	-48.18	206.95	-699.49
Story2	Bottom	-0.11	-48.18	217.18	-728.16
Story2	Top	15.01	150.02	214.91	-692.07
Story2	Bottom	15.01	150.02	231.17	-715.85
Story2	Top	-15.01	-150.02	199.11	-692.13
Story2	Bottom	-15.01	-150.02	203.39	-715.94
Story2	Top	0	0	230.01	-769
Story2	Bottom	0	0	241.42	-795.44
Story2	Top	0	0	307	-907.41
Story2	Bottom	0	0	318.42	-933.85
Story1	Top	0	0	219.04	-737.91
Story1	Bottom	0	0	320.33	-972.53
Story1	Top	0	0	76.99	-138.41
Story1	Bottom	0	0	76.99	-138.41
Story1	Top	0.14	68.25	0.1	12.26
Story1	Bottom	0.14	68.25	0.61	69.55
Story1	Top	18.91	188.62	13.89	0.05
Story1	Bottom	18.91	188.62	80.99	0.56
Story1	Top	0	367.19	0	-59.3
Story1	Bottom	0	367.19	0	-341.54

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	-79.5	-835.39	59.3	0
Story1	Bottom	-79.5	-835.39	341.54	0
Story1	Top	0	0	123.19	-221.45
Story1	Bottom	0	0	123.19	-221.45
Story1	Top	0	0	115.49	-207.61
Story1	Bottom	0	0	115.49	-207.61
Story1	Top	0	0	-61.6	110.73
Story1	Bottom	0	0	-61.6	110.73
Story1	Top	0.12	56.29	0.08	10.1
Story1	Bottom	0.12	56.29	0.52	57.6
Story1	Top	12.71	126.49	9.33	0.03
Story1	Bottom	12.71	126.49	54.46	0.35
Story1	Top	0	62.67	0	-10.12
Story1	Bottom	0	62.67	0	-58.29
Story1	Top	-13.57	-142.57	10.12	0
Story1	Bottom	-13.57	-142.57	58.29	0
Story1	Top	0	0	342.23	-959.36
Story1	Bottom	0	0	443.52	-1193.99
Story1	Top	0	0	419.23	-1097.77
Story1	Bottom	0	0	520.52	-1332.4
Story1	Top	0	0	399.98	-1063.17
Story1	Bottom	0	0	501.27	-1297.79
Story1	Top	0.1	47.77	342.3	-950.78
Story1	Bottom	0.1	47.77	443.95	-1145.3
Story1	Top	-0.1	-47.77	342.16	-967.95
Story1	Bottom	-0.1	-47.77	443.09	-1242.67
Story1	Top	13.24	132.03	351.95	-959.33
Story1	Bottom	13.24	132.03	500.22	-1193.59
Story1	Top	-13.24	-132.03	332.51	-959.4
Story1	Bottom	-13.24	-132.03	386.83	-1194.38
Story1	Top	0.08	35.83	400.03	-1056.73
Story1	Bottom	0.08	35.83	501.59	-1261.28
Story1	Top	-0.08	-35.83	399.92	-1069.61
Story1	Bottom	-0.08	-35.83	500.95	-1334.31
Story1	Top	9.93	99.02	407.27	-1063.15
Story1	Bottom	9.93	99.02	543.79	-1297.5
Story1	Top	-9.93	-99.02	392.68	-1063.19
Story1	Bottom	-9.93	-99.02	458.75	-1298.09
Story1	Top	0.1	47.77	205.41	-567.03
Story1	Bottom	0.1	47.77	266.54	-667.71
Story1	Top	-0.1	-47.77	205.27	-584.2
Story1	Bottom	-0.1	-47.77	265.69	-765.08
Story1	Top	13.24	132.03	215.06	-575.59
Story1	Bottom	13.24	132.03	322.81	-716
Story1	Top	-13.24	-132.03	195.62	-575.65
Story1	Bottom	-13.24	-132.03	209.42	-716.79
Story1	Top	0	0	479.12	-1343.11
Story1	Bottom	0	0	620.93	-1671.58
Story1	Top	0	0	533.87	-1372.69
Story1	Bottom	0	0	655.42	-1654.24
Story1	Top	5.82	124.83	491.94	-1277.37
Story1	Bottom	5.82	124.83	634.13	-1501.48
Story1	Top	-5.82	-124.83	483.4	-1301.92
Story1	Bottom	-5.82	-124.83	584.31	-1640.91
Story1	Top	18.95	209.09	501.59	-1285.92
Story1	Bottom	18.95	209.09	690.4	-1549.77
Story1	Top	-18.95	-209.09	473.75	-1293.37
Story1	Bottom	-18.95	-209.09	528.05	-1592.62
Story1	Top	5.82	124.83	491.94	-1277.37
Story1	Bottom	5.82	124.83	634.13	-1501.48

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	-5.82	-124.83	483.4	-1301.92
Story1	Bottom	-5.82	-124.83	584.31	-1640.91
Story1	Top	18.95	209.09	501.59	-1285.92
Story1	Bottom	18.95	209.09	690.4	-1549.77
Story1	Top	-18.95	-209.09	473.75	-1293.37
Story1	Bottom	-18.95	-209.09	528.05	-1592.62
Story1	Top	5.82	124.83	491.94	-1277.37
Story1	Bottom	5.82	124.83	634.13	-1501.48
Story1	Top	-5.82	-124.83	483.4	-1301.92
Story1	Bottom	-5.82	-124.83	584.31	-1640.91
Story1	Top	18.95	209.09	501.59	-1285.92
Story1	Bottom	18.95	209.09	690.4	-1549.77
Story1	Top	-18.95	-209.09	473.75	-1293.37
Story1	Bottom	-18.95	-209.09	528.05	-1592.62
Story1	Top	5.82	124.83	491.94	-1277.37
Story1	Bottom	5.82	124.83	634.13	-1501.48
Story1	Top	-5.82	-124.83	483.4	-1301.92
Story1	Bottom	-5.82	-124.83	584.31	-1640.91
Story1	Top	18.95	209.09	501.59	-1285.92
Story1	Bottom	18.95	209.09	690.4	-1549.77
Story1	Top	-18.95	-209.09	473.75	-1293.37
Story1	Bottom	-18.95	-209.09	528.05	-1592.62
Story1	Top	0	0	308.01	-863.43
Story1	Bottom	0	0	399.17	-1074.59
Story1	Top	5.82	124.83	312.28	-851.15
Story1	Bottom	5.82	124.83	424.08	-1004.87
Story1	Top	-5.82	-124.83	303.74	-875.71
Story1	Bottom	-5.82	-124.83	374.26	-1144.31
Story1	Top	18.95	209.09	321.93	-859.7
Story1	Bottom	18.95	209.09	480.34	-1053.16
Story1	Top	-18.95	-209.09	294.09	-867.15
Story1	Bottom	-18.95	-209.09	318	-1096.02
Story1	Top	5.82	124.83	312.28	-851.15
Story1	Bottom	5.82	124.83	424.08	-1004.87
Story1	Top	-5.82	-124.83	303.74	-875.71
Story1	Bottom	-5.82	-124.83	374.26	-1144.31
Story1	Top	18.95	209.09	321.93	-859.7
Story1	Bottom	18.95	209.09	480.34	-1053.16
Story1	Top	-18.95	-209.09	294.09	-867.15
Story1	Bottom	-18.95	-209.09	318	-1096.02
Story1	Top	5.82	124.83	312.28	-851.15
Story1	Bottom	5.82	124.83	424.08	-1004.87
Story1	Top	-5.82	-124.83	303.74	-875.71
Story1	Bottom	-5.82	-124.83	374.26	-1144.31
Story1	Top	18.95	209.09	321.93	-859.7
Story1	Bottom	18.95	209.09	480.34	-1053.16
Story1	Top	-18.95	-209.09	294.09	-867.15
Story1	Bottom	-18.95	-209.09	318	-1096.02
Story1	Top	5.82	124.83	312.28	-851.15
Story1	Bottom	5.82	124.83	424.08	-1004.87
Story1	Top	-5.82	-124.83	303.74	-875.71
Story1	Bottom	-5.82	-124.83	374.26	-1144.31
Story1	Top	18.95	209.09	321.93	-859.7
Story1	Bottom	18.95	209.09	480.34	-1053.16
Story1	Top	-18.95	-209.09	294.09	-867.15
Story1	Bottom	-18.95	-209.09	318	-1096.02
Story1	Top	0	0	342.23	-959.36
Story1	Bottom	0	0	443.52	-1193.99
Story1	Top	0	0	419.23	-1097.77
Story1	Bottom	0	0	520.52	-1332.4

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	0	205.34	-575.62
Story1	Bottom	0	0	266.11	-716.39
Story1	Top	0.1	47.77	205.41	-567.03
Story1	Bottom	0.1	47.77	266.54	-667.71
Story1	Top	-0.1	-47.77	205.27	-584.2
Story1	Bottom	-0.1	-47.77	265.69	-765.08
Story1	Top	13.24	132.03	215.06	-575.59
Story1	Bottom	13.24	132.03	322.81	-716
Story1	Top	-13.24	-132.03	195.62	-575.65
Story1	Bottom	-13.24	-132.03	209.42	-716.79
Story1	Top	0.1	47.77	342.3	-950.78
Story1	Bottom	0.1	47.77	443.95	-1145.3
Story1	Top	-0.1	-47.77	342.16	-967.95
Story1	Bottom	-0.1	-47.77	443.09	-1242.67
Story1	Top	13.24	132.03	351.95	-959.33
Story1	Bottom	13.24	132.03	500.22	-1193.59
Story1	Top	-13.24	-132.03	332.51	-959.4
Story1	Bottom	-13.24	-132.03	386.83	-1194.38
Story1	Top	0.07	34.12	400.03	-1057.04
Story1	Bottom	0.07	34.12	501.57	-1263.02
Story1	Top	-0.07	-34.12	399.93	-1069.3
Story1	Bottom	-0.07	-34.12	500.96	-1332.57
Story1	Top	9.45	94.31	406.92	-1063.15
Story1	Bottom	9.45	94.31	541.76	-1297.51
Story1	Top	-9.45	-94.31	393.03	-1063.19
Story1	Bottom	-9.45	-94.31	460.77	-1298.08
Story1	Top	0.14	68.25	342.33	-947.1
Story1	Bottom	0.14	68.25	444.14	-1124.44
Story1	Top	-0.14	-68.25	342.13	-971.63
Story1	Bottom	-0.14	-68.25	442.91	-1263.54
Story1	Top	18.91	188.62	356.12	-959.32
Story1	Bottom	18.91	188.62	524.51	-1193.42
Story1	Top	-18.91	-188.62	328.34	-959.41
Story1	Bottom	-18.91	-188.62	362.53	-1194.55
Story1	Top	0.11	51.19	400.05	-1053.97
Story1	Bottom	0.11	51.19	501.73	-1245.63
Story1	Top	-0.11	-51.19	399.9	-1072.37
Story1	Bottom	-0.11	-51.19	500.81	-1349.96
Story1	Top	14.18	141.46	410.4	-1063.14
Story1	Bottom	14.18	141.46	562.01	-1297.37
Story1	Top	-14.18	-141.46	389.56	-1063.2
Story1	Bottom	-14.18	-141.46	440.53	-1298.22
Story1	Top	0.14	68.25	205.44	-563.35
Story1	Bottom	0.14	68.25	266.73	-646.84
Story1	Top	-0.14	-68.25	205.24	-587.88
Story1	Bottom	-0.14	-68.25	265.5	-785.94
Story1	Top	18.91	188.62	219.23	-575.57
Story1	Bottom	18.91	188.62	347.1	-715.83
Story1	Top	-18.91	-188.62	191.45	-575.66
Story1	Bottom	-18.91	-188.62	185.12	-716.96
Story1	Top	0	0	457.72	-1166.98
Story1	Bottom	0	0	559.01	-1401.6
Story1	Top	0	0	280.64	-848.64
Story1	Bottom	0	0	381.93	-1083.26
Story1	Top	0	0	486.6	-1218.88
Story1	Bottom	0	0	587.89	-1453.5
Story1	Top	0	0	353.78	-980.13
Story1	Bottom	0	0	455.07	-1214.75
Story1	Top	0	0	320.83	-783.23
Story1	Bottom	0	0	381.61	-924.01

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	0	143.74	-464.89
Story1	Bottom	0	0	204.52	-605.67
Story1	Top	0	0	503.07	-1317.33
Story1	Bottom	0	0	624.62	-1598.88
Story1	Top	0	0	361.4	-1062.66
Story1	Bottom	0	0	482.95	-1344.2
Story1	Top	0	0	492.79	-1195.61
Story1	Bottom	0	0	583.96	-1406.77
Story1	Top	0	0	209.46	-686.27
Story1	Bottom	0	0	300.62	-897.43
Story1	Top	0	0	672.46	-1621.83
Story1	Bottom	0	0	794.01	-1903.37
Story1	Top	0	0	389.12	-1112.48
Story1	Bottom	0	0	510.67	-1394.03
Story1	Top	0	0	419.23	-1097.77
Story1	Bottom	0	0	520.52	-1332.4
Story1	Top	0	0	342.23	-959.36
Story1	Bottom	0	0	443.52	-1193.99
Story1	Top	0	0	399.98	-1063.17
Story1	Bottom	0	0	501.27	-1297.79
Story1	Top	0.1	47.77	342.3	-950.78
Story1	Bottom	0.1	47.77	443.95	-1145.3
Story1	Top	-0.1	-47.77	342.16	-967.95
Story1	Bottom	-0.1	-47.77	443.09	-1242.67
Story1	Top	13.24	132.03	351.95	-959.33
Story1	Bottom	13.24	132.03	500.22	-1193.59
Story1	Top	-13.24	-132.03	332.51	-959.4
Story1	Bottom	-13.24	-132.03	386.83	-1194.38
Story1	Top	0.08	35.83	400.03	-1056.73
Story1	Bottom	0.08	35.83	501.59	-1261.28
Story1	Top	-0.08	-35.83	399.92	-1069.61
Story1	Bottom	-0.08	-35.83	500.95	-1334.31
Story1	Top	9.93	99.02	407.27	-1063.15
Story1	Bottom	9.93	99.02	543.79	-1297.5
Story1	Top	-9.93	-99.02	392.68	-1063.19
Story1	Bottom	-9.93	-99.02	458.75	-1298.09
Story1	Top	0	0	205.34	-575.62
Story1	Bottom	0	0	266.11	-716.39
Story1	Top	0.1	47.77	205.41	-567.03
Story1	Bottom	0.1	47.77	266.54	-667.71
Story1	Top	-0.1	-47.77	205.27	-584.2
Story1	Bottom	-0.1	-47.77	265.69	-765.08
Story1	Top	13.24	132.03	215.06	-575.59
Story1	Bottom	13.24	132.03	322.81	-716
Story1	Top	-13.24	-132.03	195.62	-575.65
Story1	Bottom	-13.24	-132.03	209.42	-716.79
Story1	Top	0	0	410.68	-1151.24
Story1	Bottom	0	0	532.23	-1432.79
Story1	Top	0	0	308.01	-863.43
Story1	Bottom	0	0	399.17	-1074.59
Story1	Top	0.14	68.25	308.11	-851.16
Story1	Bottom	0.14	68.25	399.78	-1005.04
Story1	Top	-0.14	-68.25	307.91	-875.69
Story1	Bottom	-0.14	-68.25	398.56	-1144.14
Story1	Top	18.91	188.62	321.9	-863.38
Story1	Bottom	18.91	188.62	480.16	-1074.03
Story1	Top	-18.91	-188.62	294.12	-863.47
Story1	Bottom	-18.91	-188.62	318.18	-1075.15
Story1	Top	0	0	342.23	-959.36
Story1	Bottom	0	0	443.52	-1193.99

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	0	419.23	-1097.77
Story1	Bottom	0	0	520.52	-1332.4

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	0.406	2.461	15.4623	239.0831
Modal	2	0.282	3.546	22.2805	496.4195
Modal	3	0.263	3.805	23.9058	571.4864
Modal	4	0.216	4.624	29.054	844.1348
Modal	5	0.193	5.176	32.5236	1057.7849
Modal	6	0.182	5.494	34.5172	1191.4396
Modal	7	0.18	5.553	34.8892	1217.2582
Modal	8	0.178	5.632	35.3857	1252.151
Modal	9	0.154	6.509	40.8956	1672.4476
Modal	10	0.137	7.286	45.7766	2095.4989
Modal	11	0.133	7.501	47.1321	2221.4338
Modal	12	0.124	8.069	50.6959	2570.0785
Modal	13	0.111	8.986	56.4622	3187.9815
Modal	14	0.093	10.758	67.5975	4569.4245
Modal	15	0.086	11.619	73.0032	5329.4638
Modal	16	0.085	11.821	74.2747	5516.732
Modal	17	0.079	12.582	79.0576	6250.1002
Modal	18	0.077	12.983	81.5738	6654.2834
Modal	19	0.074	13.577	85.3074	7277.3525
Modal	20	0.064	15.58	97.8905	9582.5431
Modal	21	0.063	15.999	100.5259	10105.457
Modal	22	0.06	16.738	105.1654	11059.7662
Modal	23	0.055	18.168	114.1498	13030.1741
Modal	24	0.052	19.254	120.9783	14635.7496
Modal	25	0.05	19.805	124.4401	15485.3329
Modal	26	0.049	20.225	127.0759	16148.2738
Modal	27	0.048	20.848	130.9916	17158.7993
Modal	28	0.047	21.504	135.1127	18255.4336
Modal	29	0.045	22.059	138.5988	19209.6181
Modal	30	0.043	23.455	147.371	21718.2141
Modal	31	0.041	24.202	152.0637	23123.3632
Modal	32	0.04	24.773	155.6536	24228.0312
Modal	33	0.037	26.91	169.0797	28587.9383
Modal	34	0.037	27.049	169.9513	28883.4347
Modal	35	0.036	27.576	173.2646	30020.6074
Modal	36	0.036	27.871	175.1176	30666.1814
Modal	37	0.035	28.245	177.4713	31496.0782
Modal	38	0.034	29.029	182.3925	33267.0147
Modal	39	0.033	30.022	188.6334	35582.5515
Modal	40	0.031	32.486	204.1174	41663.9279
Modal	41	0.03	33.609	211.1742	44594.533
Modal	42	0.029	34.533	216.9752	47078.2506
Modal	43	0.029	34.727	218.1945	47608.8597
Modal	44	0.026	38.044	239.0353	57137.8874
Modal	45	0.025	40.332	253.416	64219.6764
Modal	46	0.023	43.169	271.2387	73570.4499
Modal	47	0.023	44.094	277.0493	76756.3226
Modal	48	0.021	47.44	298.0754	88848.9547
Modal	49	0.021	48.636	305.5859	93382.725
Modal	50	0.019	51.679	324.7101	105436.6814
Modal	51	0.019	53.813	338.1143	114321.3056

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	52	0.018	54.96	345.3223	119247.5199
Modal	53	0.018	56.324	353.8929	125240.1593
Modal	54	0.017	57.644	362.1868	131179.2802
Modal	55	0.016	62.196	390.7893	152716.2492
Modal	56	0.016	63.473	398.8151	159053.5073
Modal	57	0.016	64.226	403.5459	162849.3041
Modal	58	0.014	72.898	458.0322	209793.508
Modal	59	0.013	76.179	478.6446	229100.6261
Modal	60	0.012	86.512	543.5717	295470.1694

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

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY
Modal	1	0.406	0.1075	6.199E-07	0	0.1075	6.199E-07	0	0	0.0073
Modal	2	0.282	0.0001	1.933E-06	0	0.1076	2.553E-06	0	7.11E-07	1.461E-05
Modal	3	0.263	0.0014	2.509E-05	0	0.109	2.765E-05	0	9.339E-06	0.0002
Modal	4	0.216	3.033E-06	0.9521	0	0.109	0.9521	0	0.3572	1.045E-06
Modal	5	0.193	0.0856	0.0007	0	0.1946	0.9528	0	0.0002	0.0011
Modal	6	0.182	0.0058	0.0037	0	0.2004	0.9565	0	0.0012	0.1016
Modal	7	0.18	0.2561	0.0033	0	0.4565	0.9597	0	0.0011	0.3072
Modal	8	0.178	0.5159	0.0011	0	0.9724	0.9609	0	0.0004	0.1568
Modal	9	0.154	0.0103	1.627E-05	0	0.9827	0.9609	0	4.24E-06	0.0452
Modal	10	0.137	1.658E-05	2.027E-05	0	0.9827	0.9609	0	9.414E-07	0.0002
Modal	11	0.133	2.484E-05	2.7E-05	0	0.9827	0.9609	0	0	0.0001
Modal	12	0.124	0.0001	0.0001	0	0.9828	0.961	0	4.697E-06	0.0003
Modal	13	0.111	2.397E-06	0.0186	0	0.9828	0.9797	0	0.0061	0
Modal	14	0.093	0.0008	0	0	0.9836	0.9797	0	5.633E-07	0.0012
Modal	15	0.086	6.745E-06	0.0001	0	0.9836	0.9798	0	0.0016	7.374E-06
Modal	16	0.085	5.688E-06	0	0	0.9836	0.9798	0	1.529E-05	1.016E-06
Modal	17	0.079	6.624E-06	0	0	0.9836	0.9798	0	8E-07	0.0004
Modal	18	0.077	1.194E-05	1.77E-06	0	0.9837	0.9798	0	0.0002	0.001
Modal	19	0.074	3.691E-06	0.0005	0	0.9837	0.9803	0	0.0054	0.0001
Modal	20	0.064	0	0.0014	0	0.9837	0.9817	0	0.2811	0
Modal	21	0.063	0.0001	1.01E-06	0	0.9838	0.9817	0	0.0001	0.0008
Modal	22	0.06	6.524E-06	3.482E-06	0	0.9838	0.9817	0	0.0005	4.873E-05
Modal	23	0.055	1.416E-05	1.49E-06	0	0.9838	0.9817	0	0.0002	0.0001
Modal	24	0.052	0	4.187E-05	0	0.9838	0.9817	0	0.0008	2.366E-05
Modal	25	0.05	0	0.0016	0	0.9838	0.9833	0	0.0485	3.253E-06
Modal	26	0.049	1.903E-05	1.666E-05	0	0.9838	0.9833	0	0.0006	0.0013
Modal	27	0.048	3.056E-06	1.716E-05	0	0.9838	0.9833	0	0.0006	4.725E-05
Modal	28	0.047	0	1.92E-05	0	0.9838	0.9834	0	0.0009	1.736E-05
Modal	29	0.045	0	0.0038	0	0.9838	0.9872	0	0.1439	0
Modal	30	0.043	0	6.785E-06	0	0.9838	0.9872	0	0.0002	4.115E-05
Modal	31	0.041	2.692E-05	0	0	0.9838	0.9872	0	4.422E-06	0.0007
Modal	32	0.04	2.736E-05	0	0	0.9839	0.9872	0	6.751E-06	0.0007
Modal	33	0.037	0	0.0078	0	0.9839	0.995	0	0.0852	4.186E-06
Modal	34	0.037	0.0001	6.218E-06	0	0.984	0.995	0	0.0001	0.0026
Modal	35	0.036	3.521E-06	0.0007	0	0.984	0.9956	0	0.0076	0.0001
Modal	36	0.036	0.0009	1.188E-05	0	0.9849	0.9956	0	0.0001	0.0209
Modal	37	0.035	7.865E-06	1.273E-06	0	0.9849	0.9956	0	3.547E-05	0.0001
Modal	38	0.034	0.0142	1.47E-06	0	0.9991	0.9956	0	8.752E-06	0.3251
Modal	39	0.033	4.037E-06	0.0018	0	0.9991	0.9975	0	0.0184	0.0001
Modal	40	0.031	5.099E-07	3.616E-05	0	0.9991	0.9975	0	0.0006	2.481E-05
Modal	41	0.03	4.702E-06	0	0	0.9991	0.9975	0	3.158E-06	0.0005
Modal	42	0.029	6.827E-07	0	0	0.9991	0.9975	0	2.042E-06	4.933E-05
Modal	43	0.029	2.421E-05	0	0	0.9991	0.9975	0	0	0.0004
Modal	44	0.026	9.241E-07	0	0	0.9991	0.9975	0	0	3.101E-05
Modal	45	0.025	0	0	0	0.9991	0.9975	0	2.59E-06	5.894E-07
Modal	46	0.023	0.0001	0	0	0.9991	0.9975	0	0	0.0027

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY
Modal	47	0.023	0	0	0	0.9991	0.9975	0	0	1.141E-05
Modal	48	0.021	0	1.252E-06	0	0.9991	0.9975	0	6.618E-07	5.36E-07
Modal	49	0.021	0	0.0001	0	0.9991	0.9976	0	0.0025	0
Modal	50	0.019	0	0.0005	0	0.9991	0.9981	0	0.0015	0
Modal	51	0.019	0	0.0005	0	0.9991	0.9986	0	0.009	0
Modal	52	0.018	0	4.869E-06	0	0.9991	0.9986	0	0.0013	9.66E-06
Modal	53	0.018	0	0.0002	0	0.9991	0.9988	0	0.0023	5.759E-07
Modal	54	0.017	0	4.616E-05	0	0.9991	0.9989	0	0.0036	3.675E-06
Modal	55	0.016	0	0.0002	0	0.9991	0.999	0	0.0011	1.489E-06
Modal	56	0.016	0	0.0001	0	0.9991	0.9991	0	0.0013	1.014E-05
Modal	57	0.016	1.268E-05	0	0	0.9992	0.9991	0	0	0.0003
Modal	58	0.014	7.453E-06	0	0	0.9992	0.9991	0	0	0.0002
Modal	59	0.013	0.0003	0	0	0.9995	0.9991	0	0	0.0076
Modal	60	0.012	0	0	0	0.9995	0.9991	0	0	4.68E-06

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

Case	Mode	RZ	SumRX	SumRY	SumRZ
Modal	1	0.0003	0	0.0073	0.0003
Modal	2	0	1.018E-06	0.0074	0.0003
Modal	3	6.219E-07	1.036E-05	0.0075	0.0003
Modal	4	0.0078	0.3572	0.0075	0.0082
Modal	5	0.0007	0.3574	0.0087	0.0089
Modal	6	0.7663	0.3586	0.1102	0.7752
Modal	7	0.09	0.3597	0.4174	0.8651
Modal	8	0.0945	0.3601	0.5742	0.9596
Modal	9	0.0199	0.3601	0.6194	0.9796
Modal	10	2.815E-05	0.3601	0.6197	0.9796
Modal	11	2.073E-05	0.3601	0.6197	0.9796
Modal	12	0.0001	0.3601	0.62	0.9797
Modal	13	0.0002	0.3662	0.62	0.9799
Modal	14	0.0001	0.3662	0.6212	0.98
Modal	15	0.0012	0.3679	0.6212	0.9812
Modal	16	0	0.3679	0.6212	0.9812
Modal	17	1.202E-05	0.3679	0.6216	0.9812
Modal	18	1.122E-06	0.368	0.6225	0.9812
Modal	19	0.0012	0.3734	0.6226	0.9825
Modal	20	1.522E-05	0.6545	0.6226	0.9825
Modal	21	6.287E-06	0.6546	0.6234	0.9825
Modal	22	0	0.6551	0.6235	0.9825
Modal	23	1.027E-06	0.6553	0.6236	0.9825
Modal	24	2.089E-05	0.6561	0.6236	0.9825
Modal	25	0.0054	0.7046	0.6236	0.9879
Modal	26	0.0001	0.7052	0.6249	0.988
Modal	27	2.759E-06	0.7058	0.625	0.988
Modal	28	1.831E-05	0.7067	0.625	0.988
Modal	29	0.0016	0.8506	0.625	0.9896
Modal	30	0	0.8508	0.625	0.9896
Modal	31	8.597E-06	0.8508	0.6257	0.9896
Modal	32	6.237E-06	0.8508	0.6264	0.9896
Modal	33	8.912E-06	0.936	0.6264	0.9896
Modal	34	4.187E-05	0.9361	0.629	0.9897
Modal	35	0.0007	0.9437	0.6291	0.9904
Modal	36	0.0001	0.9438	0.65	0.9905
Modal	37	0	0.9438	0.6502	0.9905
Modal	38	0.0049	0.9438	0.9753	0.9955
Modal	39	0.001	0.9623	0.9754	0.9964
Modal	40	0.0013	0.9628	0.9754	0.9977
Modal	41	0	0.9628	0.9759	0.9977
Modal	42	3.89E-06	0.9628	0.976	0.9977

Case	Mode	RZ	SumRX	SumRY	SumRZ
Modal	43	3.925E-05	0.9628	0.9764	0.9977
Modal	44	0	0.9628	0.9765	0.9977
Modal	45	0	0.9628	0.9765	0.9977
Modal	46	1.864E-05	0.9628	0.9791	0.9978
Modal	47	0	0.9628	0.9791	0.9978
Modal	48	5.98E-07	0.9628	0.9791	0.9978
Modal	49	2.152E-05	0.9653	0.9791	0.9978
Modal	50	4.153E-06	0.9668	0.9791	0.9978
Modal	51	0	0.9758	0.9791	0.9978
Modal	52	0.0007	0.9771	0.9791	0.9985
Modal	53	0.0004	0.9794	0.9791	0.9989
Modal	54	0.0002	0.983	0.9792	0.9991
Modal	55	0.0002	0.9841	0.9792	0.9993
Modal	56	3.874E-05	0.9854	0.9792	0.9993
Modal	57	3.403E-06	0.9854	0.9795	0.9993
Modal	58	3.406E-06	0.9854	0.9797	0.9993
Modal	59	0.0001	0.9854	0.9873	0.9994
Modal	60	0	0.9854	0.9873	0.9994

Table 3.6 - Modal Load Participation Ratios

Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	99.95
Modal	Acceleration	UY	100	99.91
Modal	Acceleration	UZ	0	0

Table 3.7 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.406	0.95	0	0	0.05
Modal	2	0.282	0.028	0	0	0.972
Modal	3	0.263	0.128	0.002	0	0.87
Modal	4	0.216	0	0.996	0	0.004
Modal	5	0.193	0.953	0.005	0	0.042
Modal	6	0.182	0.329	0.004	0	0.667
Modal	7	0.18	0.909	0.007	0	0.085
Modal	8	0.178	0.94	0.002	0	0.058
Modal	9	0.154	0.722	0	0	0.278
Modal	10	0.137	0.569	0.267	0	0.164
Modal	11	0.133	0.083	0.012	0	0.905
Modal	12	0.124	0.091	0.019	0	0.89
Modal	13	0.111	0	0.994	0	0.006
Modal	14	0.093	0.238	0	0	0.762
Modal	15	0.086	0	0.003	0	0.997
Modal	16	0.085	0.015	0.022	0	0.963
Modal	17	0.079	0.013	0	0	0.987
Modal	18	0.077	0.017	0.002	0	0.981
Modal	19	0.074	0	0.004	0	0.996
Modal	20	0.064	0	0.957	0	0.043
Modal	21	0.063	0.019	0.002	0	0.979
Modal	22	0.06	0.005	0.058	0	0.937
Modal	23	0.055	0.005	0.011	0	0.984
Modal	24	0.052	0.008	0.16	0	0.832
Modal	25	0.05	0	0.141	0	0.859
Modal	26	0.049	0.013	0.005	0	0.983
Modal	27	0.048	0.052	0.107	0	0.842
Modal	28	0.047	0.007	0.106	0	0.887
Modal	29	0.045	0	0.226	0	0.774
Modal	30	0.043	0.073	0.17	0	0.757

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	31	0.041	0.037	0	0	0.963
Modal	32	0.04	0.022	0	0	0.978
Modal	33	0.037	0	0.998	0	0.001
Modal	34	0.037	0.057	0.002	0	0.941
Modal	35	0.036	0.001	0.056	0	0.943
Modal	36	0.036	0.087	0	0	0.912
Modal	37	0.035	0.137	0.029	0	0.834
Modal	38	0.034	0.729	0	0	0.27
Modal	39	0.033	0	0.084	0	0.915
Modal	40	0.031	0	0	0	1
Modal	41	0.03	0.092	0.001	0	0.907
Modal	42	0.029	0.001	0	0	0.998
Modal	43	0.029	0.009	0	0	0.991
Modal	44	0.026	0	0	0	1
Modal	45	0.025	0.002	0	0	0.998
Modal	46	0.023	0.508	0	0	0.492
Modal	47	0.023	0	0	0	1
Modal	48	0.021	0.003	0.023	0	0.974
Modal	49	0.021	0	0.307	0	0.693
Modal	50	0.019	0	0.503	0	0.497
Modal	51	0.019	0	0.73	0	0.27
Modal	52	0.018	0	0.001	0	0.999
Modal	53	0.018	0	0.689	0	0.311
Modal	54	0.017	0	0.033	0	0.967
Modal	55	0.016	0	0.599	0	0.401
Modal	56	0.016	0	0.014	0	0.985
Modal	57	0.016	0.034	0	0	0.966
Modal	58	0.014	0.007	0	0	0.993
Modal	59	0.013	0.371	0	0	0.629
Modal	60	0.012	0.15	0	0	0.849

4 Design Data

This chapter provides design data and results.

4.1 Steel Frame Design

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

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

Table 4.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 1 of 6)

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type
Story3	C11	81	Column	Program Determined	OMF	0	Program Determined
Story3	C18	97	Column	Program Determined	OMF	0	Program Determined
Story3	C20	99	Column	Program Determined	OMF	0	Program Determined
Story3	C22	101	Column	Program Determined	OMF	0	Program Determined
Story3	C24	103	Column	Program Determined	OMF	0	Program Determined

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type
Story3	C26	105	Column	Program Determined	OMF	0	Program Determined
Story3	C28	107	Column	Program Determined	OMF	0	Program Determined
Story3	C12	36	Column	Program Determined	OMF	0	Program Determined
Story3	C13	44	Column	Program Determined	OMF	0	Program Determined
Story3	C14	45	Column	Program Determined	OMF	0	Program Determined
Story3	C15	46	Column	Program Determined	OMF	0	Program Determined
Story3	C16	64	Column	Program Determined	OMF	0	Program Determined
Story3	C17	65	Column	Program Determined	OMF	0	Program Determined
Story3	C19	82	Column	Program Determined	OMF	0	Program Determined
Story3	C21	126	Column	Program Determined	OMF	0	Program Determined
Story3	C23	136	Column	Program Determined	OMF	0	Program Determined
Story3	C25	137	Column	Program Determined	OMF	0	Program Determined
Story3	C27	138	Column	Program Determined	OMF	0	Program Determined
Story3	C29	139	Column	Program Determined	OMF	0	Program Determined
Story3	C30	140	Column	Program Determined	OMF	0	Program Determined
Story3	C31	141	Column	Program Determined	OMF	0	Program Determined
Story3	C36	174	Column	Program Determined	OMF	0	Program Determined
Story3	C37	182	Column	Program Determined	OMF	0	Program Determined
Story3	C38	183	Column	Program Determined	OMF	0	Program Determined
Story3	C39	184	Column	Program Determined	OMF	0	Program Determined
Story3	C40	185	Column	Program Determined	OMF	0	Program Determined
Story3	C41	186	Column	Program Determined	OMF	0	Program Determined
Story3	C42	187	Column	Program Determined	OMF	0	Program Determined
Story3	C43	204	Column	Program Determined	OMF	0	Program Determined
Story3	C44	212	Column	Program Determined	OMF	0	Program Determined
Story3	C45	213	Column	Program Determined	OMF	0	Program Determined
Story3	C46	214	Column	Program Determined	OMF	0	Program Determined
Story3	C47	215	Column	Program Determined	OMF	0	Program Determined
Story3	C48	216	Column	Program Determined	OMF	0	Program Determined
Story3	C49	217	Column	Program Determined	OMF	0	Program Determined
Story3	B54	90	Beam	Program Determined	OMF	0	Program Determined
Story3	B55	91	Beam	Program Determined	OMF	0	Program Determined
Story3	B56	92	Beam	Program Determined	OMF	0	Program Determined
Story3	B57	93	Beam	Program Determined	OMF	0	Program Determined
Story3	B58	94	Beam	Program Determined	OMF	0	Program Determined
Story3	B59	95	Beam	Program Determined	OMF	0	Program Determined
Story3	B60	96	Beam	Program Determined	OMF	0	Program Determined
Story3	B61	115	Beam	Program Determined	OMF	0	Program Determined
Story3	B71	127	Beam	Program Determined	OMF	0	Program Determined
Story3	B11	37	Beam	Program Determined	OMF	0	Program Determined
Story3	B12	38	Beam	Program Determined	OMF	0	Program Determined
Story3	B13	39	Beam	Program Determined	OMF	0	Program Determined
Story3	B14	40	Beam	Program Determined	OMF	0	Program Determined
Story3	B15	41	Beam	Program Determined	OMF	0	Program Determined
Story3	B16	42	Beam	Program Determined	OMF	0	Program Determined
Story3	B17	43	Beam	Program Determined	OMF	0	Program Determined
Story3	B18	89	Beam	Program Determined	OMF	0	Program Determined
Story3	B69	124	Beam	Program Determined	OMF	0	Program Determined
Story3	B70	128	Beam	Program Determined	OMF	0	Program Determined
Story3	B72	129	Beam	Program Determined	OMF	0	Program Determined
Story3	B73	131	Beam	Program Determined	OMF	0	Program Determined
Story3	B74	132	Beam	Program Determined	OMF	0	Program Determined
Story3	B75	133	Beam	Program Determined	OMF	0	Program Determined
Story3	B76	134	Beam	Program Determined	OMF	0	Program Determined
Story3	B77	135	Beam	Program Determined	OMF	0	Program Determined
Story3	B78	148	Beam	Program Determined	OMF	0	Program Determined
Story3	B86	156	Beam	Program Determined	OMF	0	Program Determined
Story3	B87	175	Beam	Program Determined	OMF	0	Program Determined
Story3	B88	181	Beam	Program Determined	OMF	0	Program Determined
Story3	B89	202	Beam	Program Determined	OMF	0	Program Determined

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type
Story3	B98	176	Beam	Program Determined	OMF	0	Program Determined
Story3	B99	177	Beam	Program Determined	OMF	0	Program Determined
Story3	B100	178	Beam	Program Determined	OMF	0	Program Determined
Story3	B101	179	Beam	Program Determined	OMF	0	Program Determined
Story3	B102	180	Beam	Program Determined	OMF	0	Program Determined
Story3	B103	194	Beam	Program Determined	OMF	0	Program Determined
Story3	B111	205	Beam	Program Determined	OMF	0	Program Determined
Story3	B112	206	Beam	Program Determined	OMF	0	Program Determined
Story3	B113	207	Beam	Program Determined	OMF	0	Program Determined
Story3	B114	208	Beam	Program Determined	OMF	0	Program Determined
Story3	B115	209	Beam	Program Determined	OMF	0	Program Determined
Story3	B116	210	Beam	Program Determined	OMF	0	Program Determined
Story3	B117	211	Beam	Program Determined	OMF	0	Program Determined
Story3	B118	224	Beam	Program Determined	OMF	0	Program Determined
Story3	B126	232	Beam	Program Determined	OMF	0	Program Determined
Story2	B62	116	Beam	Program Determined	OMF	0	Program Determined
Story2	B63	117	Beam	Program Determined	OMF	0	Program Determined
Story2	B64	118	Beam	Program Determined	OMF	0	Program Determined
Story2	B65	119	Beam	Program Determined	OMF	0	Program Determined
Story2	B66	120	Beam	Program Determined	OMF	0	Program Determined
Story2	B67	121	Beam	Program Determined	OMF	0	Program Determined
Story2	B68	122	Beam	Program Determined	OMF	0	Program Determined
Story2	B19	98	Beam	Program Determined	OMF	0	Program Determined
Story2	B20	100	Beam	Program Determined	OMF	0	Program Determined
Story2	B21	102	Beam	Program Determined	OMF	0	Program Determined
Story2	B39	104	Beam	Program Determined	OMF	0	Program Determined
Story2	B40	106	Beam	Program Determined	OMF	0	Program Determined
Story2	B52	108	Beam	Program Determined	OMF	0	Program Determined
Story2	B53	123	Beam	Program Determined	OMF	0	Program Determined
Story2	B79	149	Beam	Program Determined	OMF	0	Program Determined
Story2	B80	150	Beam	Program Determined	OMF	0	Program Determined
Story2	B81	151	Beam	Program Determined	OMF	0	Program Determined
Story2	B82	152	Beam	Program Determined	OMF	0	Program Determined
Story2	B83	153	Beam	Program Determined	OMF	0	Program Determined
Story2	B84	154	Beam	Program Determined	OMF	0	Program Determined
Story2	B85	155	Beam	Program Determined	OMF	0	Program Determined
Story2	B104	195	Beam	Program Determined	OMF	0	Program Determined
Story2	B105	196	Beam	Program Determined	OMF	0	Program Determined
Story2	B106	197	Beam	Program Determined	OMF	0	Program Determined
Story2	B107	198	Beam	Program Determined	OMF	0	Program Determined
Story2	B108	199	Beam	Program Determined	OMF	0	Program Determined
Story2	B109	200	Beam	Program Determined	OMF	0	Program Determined
Story2	B110	201	Beam	Program Determined	OMF	0	Program Determined
Story2	B119	225	Beam	Program Determined	OMF	0	Program Determined
Story2	B120	226	Beam	Program Determined	OMF	0	Program Determined
Story2	B121	227	Beam	Program Determined	OMF	0	Program Determined
Story2	B122	228	Beam	Program Determined	OMF	0	Program Determined
Story2	B123	229	Beam	Program Determined	OMF	0	Program Determined
Story2	B124	230	Beam	Program Determined	OMF	0	Program Determined
Story2	B125	231	Beam	Program Determined	OMF	0	Program Determined
Story3	D1	109	Brace	Program Determined	OMF	0	Program Determined
Story3	D2	110	Brace	Program Determined	OMF	0	Program Determined
Story3	D3	111	Brace	Program Determined	OMF	0	Program Determined
Story3	D4	112	Brace	Program Determined	OMF	0	Program Determined
Story3	D5	113	Brace	Program Determined	OMF	0	Program Determined
Story3	D6	114	Brace	Program Determined	OMF	0	Program Determined
Story3	D8	130	Brace	Program Determined	OMF	0	Program Determined
Story3	D7	83	Brace	Program Determined	OMF	0	Program Determined
Story3	D9	84	Brace	Program Determined	OMF	0	Program Determined
Story3	D10	85	Brace	Program Determined	OMF	0	Program Determined

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type
Story3	D11	86	Brace	Program Determined	OMF	0	Program Determined
Story3	D12	87	Brace	Program Determined	OMF	0	Program Determined
Story3	D13	88	Brace	Program Determined	OMF	0	Program Determined
Story3	D14	125	Brace	Program Determined	OMF	0	Program Determined
Story3	D15	142	Brace	Program Determined	OMF	0	Program Determined
Story3	D16	143	Brace	Program Determined	OMF	0	Program Determined
Story3	D17	144	Brace	Program Determined	OMF	0	Program Determined
Story3	D18	145	Brace	Program Determined	OMF	0	Program Determined
Story3	D19	146	Brace	Program Determined	OMF	0	Program Determined
Story3	D20	147	Brace	Program Determined	OMF	0	Program Determined
Story3	D21	157	Brace	Program Determined	OMF	0	Program Determined
Story3	D22	188	Brace	Program Determined	OMF	0	Program Determined
Story3	D23	189	Brace	Program Determined	OMF	0	Program Determined
Story3	D24	190	Brace	Program Determined	OMF	0	Program Determined
Story3	D25	191	Brace	Program Determined	OMF	0	Program Determined
Story3	D26	192	Brace	Program Determined	OMF	0	Program Determined
Story3	D27	193	Brace	Program Determined	OMF	0	Program Determined
Story3	D28	203	Brace	Program Determined	OMF	0	Program Determined
Story3	D29	218	Brace	Program Determined	OMF	0	Program Determined
Story3	D30	219	Brace	Program Determined	OMF	0	Program Determined
Story3	D31	220	Brace	Program Determined	OMF	0	Program Determined
Story3	D32	221	Brace	Program Determined	OMF	0	Program Determined
Story3	D33	222	Brace	Program Determined	OMF	0	Program Determined
Story3	D34	223	Brace	Program Determined	OMF	0	Program Determined
Story3	D35	233	Brace	Program Determined	OMF	0	Program Determined
Story3	D36	269	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D37	270	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D38	275	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D39	276	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D43	294	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D44	296	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D45	297	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D46	298	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D47	300	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D40	324	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D41	325	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D42	326	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D48	327	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D49	328	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D50	329	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D51	330	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D52	331	Brace	Program Determined	Program Determined	0	Program Determined
Story3	D53	332	Brace	Program Determined	Program Determined	0	Program Determined

Table 4.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 2 of 6)

Relative Hinge Distance Sh/L Left	Yield Line Yc/h Parameter	Relative Hinge Distance Sh/L Right	BRB Beta Factor	BRB Beta*Omega Factor	Perform RBS Capacity Design	Check Deflection?
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	Program Determined	Program Determined

[illegible]

[illegible]

Table 4.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 3 of 6)

Page 106 of 128

[illegible]

[illegible]

Table 4.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 4 of 6)

Page 109 of 128

[illegible]

[illegible]

Table 4.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 5 of 6)

Page 112 of 128

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Table 4.2 - Steel Frame Design Overwrites - AISC 360-16 (Part 7 of 6)

[illegible]

[illegible]

[illegible]

Table 4.3 - Steel Column Envelope - AISC 360-16 (Part 1 of 2)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
81	Story3	C11	TUB100X100X3	$0.675 = 0.031 + 0.134 + 0.51$	ELU 1.2D+1.6W1+1.0L
97	Story3	C18	TUB 70X70X2MM	$0.803 = 0.009 + 0.016 + 0.778$	ELU 1.2D+1.6W1+1.0L
99	Story3	C20	TUB 70X70X2MM	$0.069 = 0.008 + 0.043 + 0.018$	ELU 1.2D+1.0L-1.0SX-0.3SY
101	Story3	C22	TUB 70X70X2MM	$0.212 = 0.066 + 0.001 + 0.144$	ELU 1.2D+1.6W1+1.0L
103	Story3	C24	TUB 70X70X2MM	$0.397 = 0.221 + 0.001 + 0.176$	ELU 1.2D+1.6W1+1.0L
105	Story3	C26	TUB 70X70X2MM	$0.495 = 0.308 + 0.003 + 0.185$	ELU 1.2D+1.6W1+1.0L
107	Story3	C28	TUB 70X70X2MM	$0.62 = 0.381 + 0.003 + 0.236$	ELU 1.2D+1.6W1+1.0L
36	Story3	C12	TUB100X100X3	$0.585 = 0.033 + 0.007 + 0.546$	ELU 1.2D+1.6W1+1.0L
44	Story3	C13	TUB 70X70X2MM	$0.834 = 0.009 + 0.002 + 0.822$	ELU 1.2D+1.6W1+1.0L
45	Story3	C14	TUB 70X70X2MM	$0.071 = 0.009 + 0.045 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY
46	Story3	C15	TUB 70X70X2MM	$0.221 = 0.069 + 0 + 0.151$	ELU 1.2D+1.6W1+1.0L
64	Story3	C16	TUB 70X70X2MM	$0.416 = 0.232 + 0 + 0.184$	ELU 1.2D+1.6W1+1.0L
65	Story3	C17	TUB 70X70X2MM	$0.518 = 0.323 + 3.763E-04 + 0.194$	ELU 1.2D+1.6W1+1.0L
82	Story3	C19	TUB 70X70X2MM	$0.649 = 0.401 + 0 + 0.248$	ELU 1.2D+1.6W1+1.0L
126	Story3	C21	TUB100X100X3	$0.643 = 0.026 + 0.194 + 0.423$	ELU 1.2D+1.6W1+1.0L
136	Story3	C23	TUB 70X70X2MM	$0.677 = 0.008 + 0.025 + 0.645$	ELU 1.2D+1.6W1+1.0L
137	Story3	C25	TUB 70X70X2MM	$0.058 = 0.007 + 0.036 + 0.015$	ELU 1.2D+1.0L-1.0SX-0.3SY
138	Story3	C27	TUB 70X70X2MM	$0.183 = 0.055 + 0.009 + 0.119$	ELU 1.2D+1.6W1+1.0L
139	Story3	C29	TUB 70X70X2MM	$0.264 = 0.091 + 0.009 + 0.164$	ELU 1.2D+1.6W1+1.0L
140	Story3	C30	TUB 70X70X2MM	$0.414 = 0.254 + 0.007 + 0.153$	ELU 1.2D+1.6W1+1.0L
141	Story3	C31	TUB 70X70X2MM	$0.518 = 0.315 + 0.007 + 0.195$	ELU 1.2D+1.6W1+1.0L
174	Story3	C36	TUB100X100X3	$0.513 = 0.004 + 0.321 + 0.188$	ELU 1.2D+1.6W1+1.0L
182	Story3	C37	TUB 70X70X2MM	$0.539 = 0.02 + 0.142 + 0.378$	ELU 1.2D+1.6W1+1.0L
183	Story3	C38	TUB 70X70X2MM	$0.117 = 3.034E-04 + 0.095 + 0.021$	ELU 1.2D+1.6W1+1.0L
184	Story3	C39	TUB 70X70X2MM	$0.195 = 0.026 + 0.092 + 0.076$	ELU 1.2D+1.6W1+1.0L
185	Story3	C40	TUB 70X70X2MM	$0.238 = 0.05 + 0.086 + 0.102$	ELU 1.2D+1.6W1+1.0L
186	Story3	C41	TUB 70X70X2MM	$0.265 = 0.075 + 0.085 + 0.104$	ELU 1.2D+1.6W1+1.0L
187	Story3	C42	TUB 70X70X2MM	$0.304 = 0.085 + 0.083 + 0.137$	ELU 1.2D+1.6W1+1.0L
204	Story3	C43	TUB100X100X3	$0.66 = 0.009 + 0.391 + 0.26$	ELU 1.2D+1.6W1+1.0L
212	Story3	C44	TUB 70X70X2MM	$0.656 = 0.021 + 0.135 + 0.501$	ELU 1.2D+1.6W1+1.0L
213	Story3	C45	TUB 70X70X2MM	$0.109 = 0.002 + 0.08 + 0.026$	ELU 1.2D+1.6W1+1.0L
214	Story3	C46	TUB 70X70X2MM	$0.225 = 0.038 + 0.085 + 0.102$	ELU 1.2D+1.6W1+1.0L
215	Story3	C47	TUB 70X70X2MM	$0.29 = 0.069 + 0.084 + 0.137$	ELU 1.2D+1.6W1+1.0L
216	Story3	C48	TUB 70X70X2MM	$0.406 = 0.204 + 0.077 + 0.125$	ELU 1.2D+1.6W1+1.0L
217	Story3	C49	TUB 70X70X2MM	$0.477 = 0.235 + 0.079 + 0.163$	ELU 1.2D+1.6W1+1.0L

Table 4.3 - Steel Column Envelope - AISC 360-16 (Part 2 of 2)

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Cont. Plate m2	Dbl. Plate m	B/C Ratio Major	B/C Ratio Minor
81			0.064	0.106	Non-Compact				
97			0.015	0.276	Non-Compact				
99			0.016	0.007	Non-Compact			0	0
101			0.015	0.032	Non-Compact				
103			0.011	0.036	Non-Compact				
105			0.005	0.033	Non-Compact				
107			0.003	0.037	Non-Compact				
36			0.009	0.113	Non-Compact				
44			0.013	0.291	Non-Compact				
45			0.017	0.007	Non-Compact			0	0
46			0.016	0.034	Non-Compact				
64			0.012	0.038	Non-Compact				
65			0.005	0.034	Non-Compact				
82			0.003	0.038	Non-Compact				
126			0.102	0.091	Non-Compact				
136			0.017	0.228	Non-Compact				
137			0.012	0.006	Non-Compact			0	0
138			0.012	0.027	Non-Compact				
139			0.009	0.03	Non-Compact				

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Cont. Plate m2	Dbl. Plate m	B/C Ratio Major	B/C Ratio Minor
140			0.005	0.027	Non-Compact				
141			0.004	0.03	Non-Compact				
174			0.124	0.029	Non-Compact				
182			0.065	0.136	Non-Compact				
183			0.036	0.006	Non-Compact				
184			0.026	0.017	Non-Compact				
185			0.017	0.019	Non-Compact				
186			0.013	0.016	Non-Compact				
187			0.01	0.019	Non-Compact				
204			0.169	0.031	Non-Compact				
212			0.064	0.18	Non-Compact				
213			0.034	0.007	Non-Compact				
214			0.026	0.023	Non-Compact				
215			0.019	0.025	Non-Compact				
216			0.015	0.022	Non-Compact				
217			0.012	0.026	Non-Compact				

Table 4.4 - Steel Beam Envelope - AISC 360-16 (Part 1 of 2)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
90	Story3	B54	TUB100X100X3	$0.296 = 0.013 + 0.281 + 0.002$	ELU 1.2D+1.6W1+1.0L
91	Story3	B55	TUB100X100X3	$0.334 = 0.24 + 0.09 + 0.003$	ELU 1.2D+1.6W1+1.0L
92	Story3	B56	TUB100X100X3	$0.461 = 0.365 + 0.093 + 0.003$	ELU 1.2D+1.6W1+1.0L
93	Story3	B57	TUB100X100X3	$0.414 = 0.337 + 0.076 + 0.001$	ELU 1.2D+1.6W1+1.0L
94	Story3	B58	TUB100X100X3	$0.303 = 0.238 + 0.064 + 0.001$	ELU 1.2D+1.6W1+1.0L
95	Story3	B59	TUB100X100X3	$0.106 = 0.05 + 0.052 + 0.004$	ELU 1.2D+1.6W1+1.0L
96	Story3	B60	TUB100X100X3	$0.24 = 0.032 + 0.205 + 0.002$	ELU 1.2D+1.6W1+1.0L
115	Story3	B61	TUB 70X70X2MM	$0.951 = 0.563 + 0.379 + 0.01$	ELU 1.2D+1.6W1+1.0L
127	Story3	B71	TUB100X100X3	$0.087 = 0.028 + 0.057 + 0.002$	ELU 1.2D+1.6W1+1.0L
37	Story3	B11	TUB100X100X3	$0.31 = 0.014 + 0.296 + 0.001$	ELU 1.2D+1.6W1+1.0L
38	Story3	B12	TUB100X100X3	$0.348 = 0.252 + 0.096 + 3.28E-04$	ELU 1.2D+1.6W1+1.0L
39	Story3	B13	TUB100X100X3	$0.481 = 0.383 + 0.098 + 2.774E-04$	ELU 1.2D+1.6W1+1.0L
40	Story3	B14	TUB100X100X3	$0.434 = 0.354 + 0.08 + 0$	ELU 1.2D+1.6W1+1.0L
41	Story3	B15	TUB100X100X3	$0.318 = 0.25 + 0.068 + 1.771E-04$	ELU 1.2D+1.6W1+1.0L
42	Story3	B16	TUB100X100X3	$0.108 = 0.053 + 0.054 + 0.001$	ELU 1.2D+1.6W1+1.0L
43	Story3	B17	TUB100X100X3	$0.25 = 0.033 + 0.216 + 0.001$	ELU 1.2D+1.6W1+1.0L
89	Story3	B18	TUB 70X70X2MM	$0.993 = 0.591 + 0.401 + 0.001$	ELU 1.2D+1.6W1+1.0L
124	Story3	B69	TUB100X100X3	$0.09 = 0.03 + 0.059 + 0.001$	ELU 1.2D+1.6W1+1.0L
128	Story3	B70	TUB100X100X3	$0.245 = 0.011 + 0.233 + 0.002$	ELU 1.2D+1.6W1+1.0L
129	Story3	B72	TUB100X100X3	$0.189 = 0.099 + 0.084 + 0.005$	ELU 1.2D+1.6W1+1.0L
131	Story3	B73	TUB100X100X3	$0.382 = 0.302 + 0.077 + 0.004$	ELU 1.2D+1.6W1+1.0L
132	Story3	B74	TUB100X100X3	$0.342 = 0.279 + 0.063 + 0.001$	ELU 1.2D+1.6W1+1.0L
133	Story3	B75	TUB100X100X3	$0.158 = 0.098 + 0.06 + 1.668E-04$	ELU 1.2D+1.6W1+1.0L
134	Story3	B76	TUB100X100X3	$0.091 = 0.041 + 0.042 + 0.007$	ELU 1.2D+1.6W1+1.0L
135	Story3	B77	TUB100X100X3	$0.199 = 0.021 + 0.1 + 0.078$	ELU 1.2D+1.0L-1.0SX-0.3SY
148	Story3	B78	TUB 70X70X2MM	$0.797 = 0.465 + 0.314 + 0.018$	ELU 1.2D+1.6W1+1.0L
156	Story3	B86	TUB100X100X3	$0.074 = 0.023 + 0.047 + 0.003$	ELU 1.2D+1.6W1+1.0L
175	Story3	B87	TUB100X100X3	$0.159 = 0.001 + 0.157 + 0.001$	ELU 1.2D+1.6W1+1.0L
181	Story3	B88	TUB100X100X3	$0.174 = 0.014 + 0.07 + 0.09$	ELU 1.2D+1.0L-1.0SX-0.3SY
202	Story3	B89	TUB100X100X3	$0.049 = 0.015 + 0.031 + 0.003$	ELU 1.2D+1.6W1+1.0L
176	Story3	B98	TUB100X100X3	$0.13 = 0.073 + 0.043 + 0.014$	ELU 1.2D+1.6W1+1.0L
177	Story3	B99	TUB100X100X3	$0.261 = 0.213 + 0.046 + 0.002$	ELU 1.2D+1.6W1+1.0L
178	Story3	B100	TUB100X100X3	$0.246 = 0.203 + 0.039 + 0.004$	ELU 1.2D+1.6W1+1.0L
179	Story3	B101	TUB100X100X3	$0.134 = 0.056 + 0.023 + 0.055$	ELU 1.2D+1.0L-1.0SX-0.3SY
180	Story3	B102	TUB100X100X3	$0.08 = 0.037 + 0.016 + 0.027$	ELU 1.2D+1.0L-1.0SX-0.3SY
194	Story3	B103	TUB 70X70X2MM	$0.517 = 0.319 + 0.186 + 0.012$	ELU 1.2D+1.6W1+1.0L
205	Story3	B111	TUB100X100X3	$0.209 = 0.003 + 0.204 + 0.003$	ELU 1.2D+1.6W1+1.0L
206	Story3	B112	TUB100X100X3	$0.163 = 0.094 + 0.056 + 0.012$	ELU 1.2D+1.6W1+1.0L
207	Story3	B113	TUB100X100X3	$0.34 = 0.275 + 0.061 + 0.003$	ELU 1.2D+1.6W1+1.0L

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
208	Story3	B114	TUB100X100X3	$0.316 = 0.261 + 0.052 + 0.003$	ELU 1.2D+1.6W1+1.0L
209	Story3	B115	TUB100X100X3	$0.159 = 0.099 + 0.05 + 0.01$	ELU 1.2D+1.6W1+1.0L
210	Story3	B116	TUB100X100X3	$0.093 = 0.053 + 0.034 + 0.006$	ELU 1.2D+1.6W1+1.0L
211	Story3	B117	TUB100X100X3	$0.193 = 0.012 + 0.091 + 0.09$	ELU 1.2D+1.0L-1.0SX-0.3SY
224	Story3	B118	TUB 70X70X2MM	$0.663 = 0.413 + 0.245 + 0.004$	ELU 1.2D+1.6W1+1.0L
232	Story3	B126	TUB100X100X3	$0.064 = 0.02 + 0.041 + 0.003$	ELU 1.2D+1.6W1+1.0L
116	Story2	B62	TUB100X100X3	$0.896 = 0.048 + 0.837 + 0.01$	ELU 1.2D+1.6W1+1.0L
117	Story2	B63	TUB100X100X3	$0.401 = 0.252 + 0.148 + 0.001$	ELU 1.2D+1.6W1+1.0L
118	Story2	B64	TUB100X100X3	$0.301 = 0.229 + 0.07 + 0.001$	ELU 1.2D+1.6W1+1.0L
119	Story2	B65	TUB100X100X3	$0.157 = 0.069 + 0.087 + 0.001$	ELU 1.2D+1.6W1+1.0L
120	Story2	B66	TUB100X100X3	$0.126 = 0.009 + 0.044 + 0.073$	ELU 1.2D+1.0L-1.0SX-0.3SY
121	Story2	B67	TUB100X100X3	$0.145 = 0.05 + 0.035 + 0.06$	ELU 1.2D+1.0L-1.0SX-0.3SY
122	Story2	B68	TUB100X100X3	$0.515 = 0.378 + 0.135 + 0.003$	ELU 1.2D+1.6W1+1.0L
98	Story2	B19	TUB100X100X3	$0.938 = 0.051 + 0.885 + 0.001$	ELU 1.2D+1.6W1+1.0L
100	Story2	B20	TUB100X100X3	$0.423 = 0.266 + 0.156 + 0.001$	ELU 1.2D+1.6W1+1.0L
102	Story2	B21	TUB100X100X3	$0.317 = 0.243 + 0.074 + 0$	ELU 1.2D+1.6W1+1.0L
104	Story2	B39	TUB100X100X3	$0.165 = 0.073 + 0.092 + 1.994E-04$	ELU 1.2D+1.6W1+1.0L
106	Story2	B40	TUB100X100X3	$0.132 = 0.01 + 0.046 + 0.076$	ELU 1.2D+1.0L-1.0SX-0.3SY
108	Story2	B52	TUB100X100X3	$0.151 = 0.051 + 0.037 + 0.062$	ELU 1.2D+1.0L-1.0SX-0.3SY
123	Story2	B53	TUB100X100X3	$0.537 = 0.395 + 0.142 + 0.001$	ELU 1.2D+1.6W1+1.0L
149	Story2	B79	TUB100X100X3	$0.764 = 0.04 + 0.693 + 0.031$	ELU 1.2D+1.6W1+1.0L
150	Story2	B80	TUB100X100X3	$0.333 = 0.209 + 0.122 + 0.002$	ELU 1.2D+1.6W1+1.0L
151	Story2	B81	TUB100X100X3	$0.161 = 0.095 + 0.065 + 0.001$	ELU 1.2D+1.6W1+1.0L
152	Story2	B82	TUB100X100X3	$0.133 = 0.038 + 0.042 + 0.053$	ELU 1.2D+1.0L-1.0SX-0.3SY
153	Story2	B83	TUB100X100X3	$0.112 = 0.008 + 0.036 + 0.068$	ELU 1.2D+1.0L-1.0SX-0.3SY
154	Story2	B84	TUB100X100X3	$0.126 = 0.042 + 0.029 + 0.055$	ELU 1.2D+1.0L-1.0SX-0.3SY
155	Story2	B85	TUB100X100X3	$0.438 = 0.312 + 0.112 + 0.015$	ELU 1.2D+1.6W1+1.0L
195	Story2	B104	TUB100X100X3	$0.689 = 0.007 + 0.422 + 0.26$	ELU 1.2D+1.6W1+1.0L
196	Story2	B105	TUB100X100X3	$0.145 = 0.049 + 0.081 + 0.015$	ELU 1.2D+1.6W1+1.0L
197	Story2	B106	TUB100X100X3	$0.116 = 0.026 + 0.015 + 0.075$	ELU 1.2D+1.0L-1.0SX-0.3SY
198	Story2	B107	TUB100X100X3	$0.1 = 0.014 + 0.028 + 0.058$	ELU 1.2D+1.0L-1.0SX-0.3SY
199	Story2	B108	TUB100X100X3	$0.111 = 0.009 + 0.028 + 0.074$	ELU 1.2D+1.0L-1.0SX-0.3SY
200	Story2	B109	TUB100X100X3	$0.205 = 0.05 + 0.009 + 0.145$	ELU 1.2D+1.6W1+1.0L
201	Story2	B110	TUB100X100X3	$0.546 = 0.22 + 0.075 + 0.252$	ELU 1.2D+1.6W1+1.0L
225	Story2	B119	TUB100X100X3	$0.796 = 0.014 + 0.555 + 0.228$	ELU 1.2D+1.6W1+1.0L
226	Story2	B120	TUB100X100X3	$0.187 = 0.068 + 0.108 + 0.012$	ELU 1.2D+1.6W1+1.0L
227	Story2	B121	TUB100X100X3	$0.131 = 0.062 + 0.053 + 0.016$	ELU 1.2D+1.6W1+1.0L
228	Story2	B122	TUB100X100X3	$0.113 = 0.02 + 0.037 + 0.056$	ELU 1.2D+1.0L-1.0SX-0.3SY
229	Story2	B123	TUB100X100X3	$0.119 = 0.01 + 0.036 + 0.073$	ELU 1.2D+1.0L-1.0SX-0.3SY
230	Story2	B124	TUB100X100X3	$0.225 = 0.067 + 0.013 + 0.145$	ELU 1.2D+1.6W1+1.0L
231	Story2	B125	TUB100X100X3	$0.631 = 0.292 + 0.099 + 0.241$	ELU 1.2D+1.6W1+1.0L

Table 4.4 - Steel Beam Envelope - AISC 360-16 (Part 2 of 2)

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. V I- End tonf	Conn. V J- End tonf
90			0.048	0.001	Non-Compact	0.52	0.5
91			0.004	0.005	Non-Compact	-0.09	-0.07
92			0.008	0.002	Non-Compact	0.07	0.08
93			0.009	0.001	Non-Compact	0.08	0.09
94			0.01	0.002	Non-Compact	0.1	0.11
95			0.006	0.003	Non-Compact	0.05	0.07
96			0.023	0.005	Non-Compact	0.23	0
115			0.041	0.005	Non-Compact	0.21	0.2
127			0.006	0.001	Non-Compact	0	0
37			0.051	0.001	Non-Compact	0.54	0.53
38			0.004	0.004	Non-Compact	-0.09	-0.08
39			0.008	0.002	Non-Compact	0.07	0.09
40			0.009	0.001	Non-Compact	0.08	0.1

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. V I- End tonf	Conn. V J- End tonf
41			0.011	0.002	Non-Compact	0.1	0.11
42			0.007	0.002	Non-Compact	0.06	0.07
43			0.024	0.004	Non-Compact	0.24	0
89			0.043	0.005	Non-Compact	0.22	0.21
124			0.006	0.0004896	Non-Compact	0	0
128			0.04	0.001	Non-Compact	0.43	0.42
129			0.004	0.006	Non-Compact	-0.07	-0.06
131			0.006	0.002	Non-Compact	0.06	0.07
132			0.007	0.001	Non-Compact	0.07	0.08
133			0.008	0.002	Non-Compact	0.08	0.09
134			0.005	0.004	Non-Compact	0.04	0.06
135			0.019	0.005	Non-Compact	0.19	0
148			0.034	0.006	Non-Compact	0.17	0.16
156			0.005	0.001	Non-Compact	0	0
175			0.027	0.002	Non-Compact	0.29	0.27
181			0.013	0.007	Non-Compact	0.13	0
202			0.004	0.001	Non-Compact	0	0
176			0.002	0.006	Non-Compact	-0.05	0.04
177			0.004	0.002	Non-Compact	0.03	0.04
178			0.005	0.002	Non-Compact	0.04	0.05
179			0.005	0.004	Non-Compact	0.05	0.06
180			0.003	0.005	Non-Compact	0.02	0.03
194			0.02	0.006	Non-Compact	-0.1	0.1
205			0.035	0.002	Non-Compact	0.37	0.36
206			0.002	0.006	Non-Compact	-0.06	0.05
207			0.005	0.002	Non-Compact	0.04	0.06
208			0.006	0.001	Non-Compact	0.05	0.07
209			0.007	0.004	Non-Compact	0.06	0.08
210			0.004	0.004	Non-Compact	0.03	0.04
211			0.017	0.007	Non-Compact	0.17	0
224			0.027	0.005	Non-Compact	0.13	0.13
232			0.004	0.001	Non-Compact	0	0
116			0.144	0.016	Non-Compact	0	0
117			0.009	0.007	Non-Compact	0	0
118			0.004	0.006	Non-Compact	0	0
119			0.008	0.003	Non-Compact	0	0
120			0.01	0.003	Non-Compact	0	0
121			0.008	0.007	Non-Compact	0	0
122			0.02	0.011	Non-Compact	0	0.22
98			0.152	0.016	Non-Compact	0	0
100			0.009	0.007	Non-Compact	0	0
102			0.004	0.006	Non-Compact	0	0
104			0.009	0.004	Non-Compact	0	0
106			0.011	0.003	Non-Compact	0	0
108			0.008	0.008	Non-Compact	0	0
123			0.021	0.012	Non-Compact	0	0.23
149			0.119	0.016	Non-Compact	0	0
150			0.007	0.006	Non-Compact	0	0
151			0.003	0.006	Non-Compact	0	0
152			0.007	0.003	Non-Compact	0	0
153			0.009	0.003	Non-Compact	0	0
154			0.007	0.007	Non-Compact	0	0
155			0.017	0.01	Non-Compact	0	0.18
195			0.074	0.039	Non-Compact	0	0
196			0.004	0.005	Non-Compact	0	0
197			0.002	0.007	Non-Compact	0	0
198			0.005	0.002	Non-Compact	0	0
199			0.006	0.003	Non-Compact	0	0

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. V I- End tonf	Conn. V J- End tonf
200			0.005	0.01	Non-Compact	0	0
201			0.012	0.042	Non-Compact	0	0.13
225			0.097	0.037	Non-Compact	0	0
226			0.006	0.005	Non-Compact	0	0
227			0.003	0.007	Non-Compact	0	0
228			0.006	0.002	Non-Compact	0	0
229			0.008	0.003	Non-Compact	0	0
230			0.006	0.01	Non-Compact	0	0
231			0.016	0.041	Non-Compact	0	0.17

Table 4.5 - Steel Brace Envelope - AISC 360-16 (Part 1 of 2)

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo
109	Story3	D1	TUB 70X70X2MM	$0.591 = 0.548 + 0.042 + 3.789E-04$	ELU 1.2D+1.6W1+1.0L
110	Story3	D2	TUB 70X70X2MM	$0.51 = 0.439 + 0.07 + 0.001$	ELU 1.2D+1.6W1+1.0L
111	Story3	D3	TUB 70X70X2MM	$0.384 = 0.343 + 0.04 + 0.001$	ELU 1.2D+1.6W1+1.0L
112	Story3	D4	TUB 70X70X2MM	$0.263 = 0.227 + 0.034 + 0.002$	ELU 1.2D+1.6W1+1.0L
113	Story3	D5	TUB 70X70X2MM	$0.084 = 0.019 + 0.02 + 0.045$	ELU 1.2D+1.0L-1.0SX-0.3SY
114	Story3	D6	TUB 70X70X2MM	$0.45 = 0.324 + 0.123 + 0.003$	ELU 1.2D+1.6W1+1.0L
130	Story3	D8	TUB 70X70X2MM	$0.278 = 0.256 + 0.022 + 1.767E-04$	ELU 1.2D+1.6W1+1.0L
83	Story3	D7	TUB 70X70X2MM	$0.62 = 0.576 + 0.044 + 4.76E-04$	ELU 1.2D+1.6W1+1.0L
84	Story3	D9	TUB 70X70X2MM	$0.535 = 0.462 + 0.073 + 0$	ELU 1.2D+1.6W1+1.0L
85	Story3	D10	TUB 70X70X2MM	$0.403 = 0.36 + 0.042 + 2.808E-04$	ELU 1.2D+1.6W1+1.0L
86	Story3	D11	TUB 70X70X2MM	$0.274 = 0.238 + 0.036 + 0$	ELU 1.2D+1.6W1+1.0L
87	Story3	D12	TUB 70X70X2MM	$0.089 = 0.02 + 0.021 + 0.048$	ELU 1.2D+1.0L-1.0SX-0.3SY
88	Story3	D13	TUB 70X70X2MM	$0.471 = 0.342 + 0.129 + 0.001$	ELU 1.2D+1.6W1+1.0L
125	Story3	D14	TUB 70X70X2MM	$0.292 = 0.269 + 0.023 + 1.558E-04$	ELU 1.2D+1.6W1+1.0L
142	Story3	D15	TUB 70X70X2MM	$0.492 = 0.454 + 0.036 + 0.003$	ELU 1.2D+1.6W1+1.0L
143	Story3	D16	TUB 70X70X2MM	$0.422 = 0.364 + 0.057 + 0.001$	ELU 1.2D+1.6W1+1.0L
144	Story3	D17	TUB 70X70X2MM	$0.318 = 0.284 + 0.033 + 0.002$	ELU 1.2D+1.6W1+1.0L
145	Story3	D18	TUB 70X70X2MM	$0.129 = 0.094 + 0.031 + 0.004$	ELU 1.2D+1.6W1+1.0L
146	Story3	D19	TUB 70X70X2MM	$0.072 = 0.016 + 0.016 + 0.039$	ELU 1.2D+1.0L-1.0SX-0.3SY
147	Story3	D20	TUB 70X70X2MM	$0.38 = 0.268 + 0.101 + 0.011$	ELU 1.2D+1.6W1+1.0L
157	Story3	D21	TUB 70X70X2MM	$0.23 = 0.211 + 0.018 + 2.13E-04$	ELU 1.2D+1.6W1+1.0L
188	Story3	D22	TUB 70X70X2MM	$0.399 = 0.297 + 0.029 + 0.074$	ELU 1.2D+1.6W1+1.0L
189	Story3	D23	TUB 70X70X2MM	$0.34 = 0.216 + 0.035 + 0.089$	ELU 1.2D+1.6W1+1.0L
190	Story3	D24	TUB 70X70X2MM	$0.164 = 0.083 + 0.02 + 0.06$	ELU 1.2D+1.6W1+1.0L
191	Story3	D25	TUB 70X70X2MM	$0.11 = 0.053 + 0.017 + 0.04$	ELU 1.2D+1.6W1+1.0L
192	Story3	D26	TUB 70X70X2MM	$0.081 = 0.008 + 0.018 + 0.054$	ELU 1.2D+1.6W1+1.0L
193	Story3	D27	TUB 70X70X2MM	$0.256 = 0.087 + 0.068 + 0.101$	ELU 1.2D+1.6W1+1.0L
203	Story3	D28	TUB 70X70X2MM	$0.083 = 0.069 + 0.013 + 3.136E-04$	ELU 1.2D+1.6W1+1.0L
218	Story3	D29	TUB 70X70X2MM	$0.498 = 0.391 + 0.036 + 0.07$	ELU 1.2D+1.6W1+1.0L
219	Story3	D30	TUB 70X70X2MM	$0.43 = 0.293 + 0.048 + 0.09$	ELU 1.2D+1.6W1+1.0L
220	Story3	D31	TUB 70X70X2MM	$0.306 = 0.226 + 0.025 + 0.055$	ELU 1.2D+1.6W1+1.0L
221	Story3	D32	TUB 70X70X2MM	$0.138 = 0.073 + 0.024 + 0.041$	ELU 1.2D+1.6W1+1.0L
222	Story3	D33	TUB 70X70X2MM	$0.087 = 0.013 + 0.025 + 0.049$	ELU 1.2D+1.6W1+1.0L
223	Story3	D34	TUB 70X70X2MM	$0.385 = 0.226 + 0.08 + 0.078$	ELU 1.2D+1.6W1+1.0L
233	Story3	D35	TUB 70X70X2MM	$0.109 = 0.091 + 0.017 + 0.001$	ELU 1.2D+1.6W1+1.0L
269	Story3	D36	TUB50X50X2	$0.03 = 0.007 + 0.018 + 0.004$	ELU 1.2D+1.0L-1.0SX-0.3SY
270	Story3	D37	TUB50X50X2	$0.738 = 0.678 + 0.058 + 0.001$	ELU 1.2D+1.6W1+1.0L
275	Story3	D38	TUB50X50X2	$0.228 = 0.057 + 0.036 + 0.135$	ELU 1.2D+1.6W1+1.0L
276	Story3	D39	TUB50X50X2	$0.148 = 0.005 + 0.023 + 0.119$	ELU 1.2D+1.0L-1.0SX-0.3SY
294	Story3	D43	TUB50X50X2	$0.257 = 0.03 + 0.023 + 0.204$	ELU 1.2D+1.0L-1.0SX-0.3SY
296	Story3	D44	TUB50X50X2	$0.104 = 0.008 + 0.007 + 0.089$	ELU 1.2D+1.0L-1.0SX-0.3SY
297	Story3	D45	TUB50X50X2	$0.043 = 0.012 + 0.012 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY
298	Story3	D46	TUB50X50X2	$0.11 = 0.012 + 0.017 + 0.081$	ELU 1.2D+1.0L-1.0SX-0.3SY
300	Story3	D47	TUB50X50X2	$0.489 = 0.291 + 0.175 + 0.023$	ELU 1.2D+1.6W1+1.0L
324	Story3	D40	TUB50X50X2	$0.461 = 0.284 + 0.156 + 0.021$	ELU 1.2D+1.6W1+1.0L

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo
325	Story3	D41	TUB50X50X2	$0.248 = 0.03 + 0.023 + 0.194$	ELU 1.2D+1.0L-1.0SX-0.3SY
326	Story3	D42	TUB50X50X2	$0.106 = 0.008 + 0.01 + 0.088$	ELU 1.2D+1.0L-1.0SX-0.3SY
327	Story3	D48	TUB50X50X2	$0.042 = 0.013 + 0.02 + 0.01$	ELU 1.2D+1.6W1+1.0L
328	Story3	D49	TUB50X50X2	$0.106 = 0.009 + 0.019 + 0.078$	ELU 1.2D+1.0L-1.0SX-0.3SY
329	Story3	D50	TUB50X50X2	$0.142 = 0.003 + 0.024 + 0.116$	ELU 1.2D+1.0L-1.0SX-0.3SY
330	Story3	D51	TUB50X50X2	$0.225 = 0.057 + 0.037 + 0.131$	ELU 1.2D+1.6W1+1.0L
331	Story3	D52	TUB50X50X2	$0.737 = 0.678 + 0.058 + 0.001$	ELU 1.2D+1.6W1+1.0L
332	Story3	D53	TUB50X50X2	$0.025 = 0.005 + 0.017 + 0.003$	ELU 1.2D+1.0L-1.0SX-0.3SY

Table 4.5 - Steel Brace Envelope - AISC 360-16 (Part 2 of 2)

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. P I- End tonf	Conn. P J- End tonf
109			0.002	0.001	Non-Compact	9.43	9.43
110			0.007	0.001	Non-Compact	7.56	7.56
111			0.004	0.003	Non-Compact	5.9	5.9
112			0.002	0.003	Non-Compact	3.91	3.91
113			0.001	0.001	Non-Compact	0.98	0.98
114			0.008	0.001	Non-Compact	-4.73	-4.73
130			0.002	0	Non-Compact	-2.95	-2.95
83			0.002	0.001	Non-Compact	9.91	9.91
84			0.007	0.001	Non-Compact	7.94	7.94
85			0.004	0.003	Non-Compact	6.19	6.19
86			0.002	0.003	Non-Compact	4.1	4.1
87			0.001	0.002	Non-Compact	1.02	1.02
88			0.008	0.001	Non-Compact	-4.99	-4.99
125			0.002	0	Non-Compact	-3.1	-3.1
142			0.002	0.001	Non-Compact	7.81	7.81
143			0.006	0.001	Non-Compact	6.26	6.26
144			0.003	0.002	Non-Compact	4.88	4.88
145			0.002	0.002	Non-Compact	3.23	3.23
146			0.001	0.001	Non-Compact	0.78	0.78
147			0.007	0.001	Non-Compact	-3.91	-3.91
157			0.002	0	Non-Compact	-2.43	-2.43
188			0.002	0.001	Non-Compact	5.11	5.11
189			0.004	0.005	Non-Compact	3.73	3.73
190			0.002	0.004	Non-Compact	2.87	2.87
191			0.001	0.004	Non-Compact	1.83	1.83
192			0.001	0.004	Non-Compact	0.38	0.38
193			0.004	0.006	Non-Compact	-2.53	-2.53
203			0.001	0	Non-Compact	-1.59	-1.59
218			0.002	0.001	Non-Compact	6.74	6.74
219			0.005	0.006	Non-Compact	5.04	5.04
220			0.003	0.004	Non-Compact	3.89	3.89
221			0.001	0.004	Non-Compact	2.5	2.5
222			0.001	0.003	Non-Compact	0.54	0.54
223			0.005	0.005	Non-Compact	-3.31	-3.31
233			0.001	0	Non-Compact	-2.11	-2.11
269			0.002	0.0001839	Non-Compact	-0.06	-0.06
270			0.003	0.001	Non-Compact	-4.42	-4.42
275			0.003	0.006	Non-Compact	-0.86	-0.86
276			0.003	0.005	Non-Compact	0.09	0.09
294			0.003	0.019	Non-Compact	-0.83	-0.83
296			0.001	0.006	Non-Compact	-0.17	-0.17
297			0.002	0.001	Non-Compact	-0.24	-0.24
298			0.002	0.004	Non-Compact	-0.22	-0.22
300			0.026	0.004	Non-Compact	-3.28	-3.28
324			0.023	0.004	Non-Compact	-3.2	-3.2
325			0.004	0.018	Non-Compact	-0.9	-0.9

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. P I-End tonf	Conn. P J-End tonf
326			0.002	0.006	Non-Compact	-0.19	-0.19
327			0.002	0.001	Non-Compact	-0.24	-0.24
328			0.003	0.004	Non-Compact	-0.18	-0.18
329			0.003	0.005	Non-Compact	0.06	0.06
330			0.003	0.005	Non-Compact	-0.86	-0.86
331			0.003	0.001	Non-Compact	-4.42	-4.42
332			0.002	0.0001144	Non-Compact	-0.04	-0.04