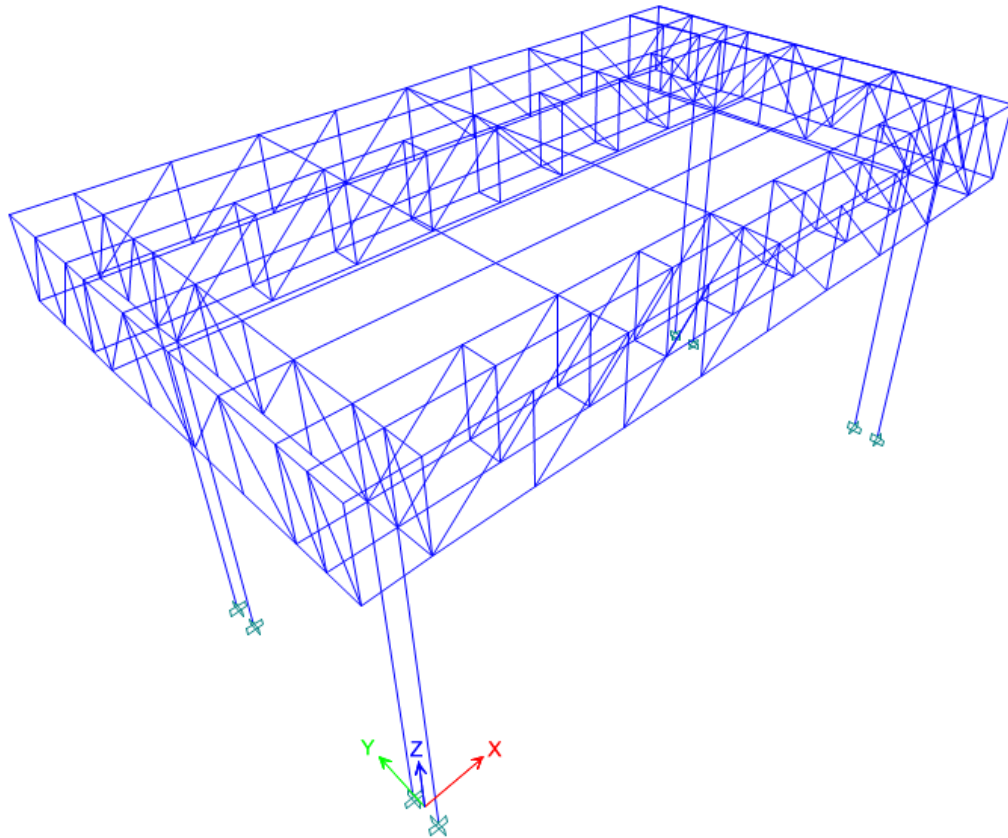




User Report 1

Model File: CUBIERTA TORTERIA, Revision 0
4/07/2026

Table of Contents

1. Assignments	4
1.1 Frame Assignments	4
2. Loads	23
2.1 Load Patterns	23
2.2 Auto Seismic Loading	23
2.3 Applied Loads	28
2.3.1 Line Loads	28
2.4 Functions	33
2.4.1 Response Spectrum Functions	33
2.4.2 Time History Functions	34
2.5 Load Cases	34
2.6 Load Combinations	34
3. Analysis Results	45
3.1 Structure Results	45
3.2 Story Results	52
3.3 Modal Results	75
4. Design Data	82
4.1 Steel Frame Design	82

List of Tables

Table 1.1 Frame Assignments - Summary	4
Table 2.1 Load Pattern Definitions	23
Table 2.6 Frame Loads Assignments - Distributed	28
Table 2.7 Functions - Response Spectrum - Columbia NSR-10	33
Table 2.8 Functions - Response Spectrum - User Defined	33
Table 2.9 Functions - Time History - User Defined	34
Table 2.10 Load Case Definitions - Summary	34
Table 2.11 Load Combination Definitions	34
Table 3.1 Base Reactions	45
Table 3.2 Story Drifts	52
Table 3.3 Story Forces	61
Table 3.4 Modal Periods And Frequencies	76
Table 3.5 Modal Participating Mass Ratios	77
Table 3.6 Modal Load Participation Ratios	79
Table 3.7 Modal Direction Factors	79
Table 4.1 Steel Frame Design Preferences - AISC 360-16	82
Table 4.2 Steel Frame Design Overwrites - AISC 360-16	82
Table 4.3 Steel Column Envelope - AISC 360-16	140
Table 4.4 Steel Beam Envelope - AISC 360-16	143
Table 4.5 Steel Brace Envelope - AISC 360-16	155

1 Assignments

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

1.1 Frame Assignments

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

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
9	Story1	B1	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
11	Story1	B3	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
12	Story1	B4	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
13	Story1	B5	Beam	3.155		TUB100X100X3	TUB100X100X3		0.5
14	Story1	B6	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
17	Story1	B9	Beam	1.326		TUB100X100X3	TUB100X100X3		0.5
18	Story1	B10	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
19	Story1	B11	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
32	Story1	B14	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
33	Story1	B15	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
35	Story1	B17	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
38	Story1	B19	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
39	Story1	B20	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
40	Story1	B21	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
41	Story1	B22	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
59	Story1	B31	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
60	Story1	B32	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
61	Story1	B33	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
62	Story1	B34	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
63	Story1	B35	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
64	Story1	B36	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
65	Story1	B37	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
66	Story1	B38	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
82	Story1	B39	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
83	Story1	B40	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
84	Story1	B41	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
85	Story1	B42	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
86	Story1	B43	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
87	Story1	B44	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
88	Story1	B45	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
92	Story1	B46	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
93	Story1	B47	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
94	Story1	B48	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
95	Story1	B49	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
96	Story1	B50	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
97	Story1	B51	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
98	Story1	B52	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
99	Story1	B53	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
112	Story1	B56	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
113	Story1	B57	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
114	Story1	B58	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
115	Story1	B59	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
116	Story1	B60	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
117	Story1	B61	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
118	Story1	B62	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
119	Story1	B63	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
120	Story1	B64	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
121	Story1	B65	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
122	Story1	B66	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
123	Story1	B67	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
124	Story1	B68	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
125	Story1	B69	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
126	Story1	B70	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
127	Story1	B71	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
143	Story1	B72	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
144	Story1	B73	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
145	Story1	B74	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
146	Story1	B75	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
147	Story1	B76	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
148	Story1	B77	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
149	Story1	B78	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
150	Story1	B79	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
151	Story1	B80	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
152	Story1	B81	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
153	Story1	B82	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
154	Story1	B83	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
155	Story1	B84	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
156	Story1	B85	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
157	Story1	B86	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
158	Story1	B87	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
174	Story1	B88	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
175	Story1	B89	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
176	Story1	B90	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
177	Story1	B91	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
178	Story1	B92	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
179	Story1	B93	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
180	Story1	B94	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
181	Story1	B95	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
182	Story1	B96	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
183	Story1	B97	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
184	Story1	B98	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
185	Story1	B99	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
186	Story1	B100	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
187	Story1	B101	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
188	Story1	B102	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
189	Story1	B103	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
205	Story1	B104	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
206	Story1	B105	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
207	Story1	B106	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
208	Story1	B107	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
209	Story1	B108	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
210	Story1	B109	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
211	Story1	B110	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
212	Story1	B111	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
213	Story1	B112	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
214	Story1	B113	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
215	Story1	B114	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
216	Story1	B115	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
217	Story1	B116	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
218	Story1	B117	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
219	Story1	B118	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
220	Story1	B119	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
236	Story1	B120	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
237	Story1	B121	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
238	Story1	B122	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
239	Story1	B123	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
240	Story1	B124	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
241	Story1	B125	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
242	Story1	B126	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
243	Story1	B127	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
244	Story1	B128	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
245	Story1	B129	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
246	Story1	B130	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
247	Story1	B131	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
248	Story1	B132	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
249	Story1	B133	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
250	Story1	B134	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
251	Story1	B135	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
267	Story1	B136	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
268	Story1	B137	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
269	Story1	B138	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
270	Story1	B139	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
271	Story1	B140	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
272	Story1	B141	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
273	Story1	B142	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
274	Story1	B143	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
275	Story1	B144	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
276	Story1	B145	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
277	Story1	B146	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
278	Story1	B147	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
279	Story1	B148	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
280	Story1	B149	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
281	Story1	B150	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
282	Story1	B151	Beam	1.0643		TUB100X100X3	TUB100X100X3		0.5
298	Story1	B152	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
299	Story1	B153	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
300	Story1	B154	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
301	Story1	B155	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
302	Story1	B156	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
303	Story1	B157	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
304	Story1	B158	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
305	Story1	B159	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
306	Story1	B160	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
307	Story1	B161	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
308	Story1	B162	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
309	Story1	B163	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
310	Story1	B164	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
311	Story1	B165	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
312	Story1	B166	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
313	Story1	B167	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
314	Story1	B168	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
315	Story1	B169	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
316	Story1	B170	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
317	Story1	B171	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
318	Story1	B172	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
319	Story1	B173	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
320	Story1	B174	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
321	Story1	B175	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
322	Story1	B176	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
323	Story1	B177	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
324	Story1	B178	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
325	Story1	B179	Beam	0.4		TUB50X50X2	TUB50X50X2		0.5
1	Story1	B2	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
2	Story1	B7	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
5	Story1	B8	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
15	Story1	B12	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
16	Story1	B13	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
20	Story1	B16	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
23	Story1	B18	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
34	Story1	B23	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
36	Story1	B24	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
37	Story1	B25	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
48	Story1	B26	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
49	Story1	B27	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
50	Story1	B28	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
51	Story1	B29	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
52	Story1	B30	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
53	Story1	B54	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
54	Story1	B55	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
55	Story1	B180	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
328	Story1	B181	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
329	Story1	B182	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
330	Story1	B183	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
331	Story1	B184	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
332	Story1	B185	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
333	Story1	B186	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
334	Story1	B187	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
335	Story1	B188	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
336	Story1	B189	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
337	Story1	B190	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
338	Story1	B191	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
339	Story1	B192	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
340	Story1	B193	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
341	Story1	B194	Beam	3.155		TUB100X100X3	TUB100X100X3		0.5
342	Story1	B195	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
343	Story1	B196	Beam	1.326		TUB100X100X3	TUB100X100X3		0.5
344	Story1	B197	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
347	Story1	B198	Beam	0.424		TUB100X100X3	TUB100X100X3		0.5
348	Story1	B199	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
349	Story1	B200	Beam	0.4		TUB100X100X3	TUB100X100X3		0.5
350	Story1	B201	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
351	Story1	B202	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
352	Story1	B203	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
353	Story1	B204	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
357	Story1	B205	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
358	Story1	B206	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
359	Story1	B207	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
360	Story1	B208	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
361	Story1	B209	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
362	Story1	B210	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
363	Story1	B211	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
364	Story1	B212	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
375	Story1	B213	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
376	Story1	B214	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
377	Story1	B215	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
378	Story1	B216	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
379	Story1	B217	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
380	Story1	B218	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
381	Story1	B219	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
382	Story1	B220	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
383	Story1	B221	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
384	Story1	B222	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
385	Story1	B223	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
386	Story1	B224	Beam	0.65		TUB100X100X3	TUB100X100X3		0.5
395	Story1	B225	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
397	Story1	B227	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5
398	Story1	B228	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5
400	Story1	B230	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5
401	Story1	B231	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5
403	Story1	B233	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5
404	Story1	B234	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5
406	Story1	B236	Beam	0.65		TUB50X50X2	TUB50X50X2		0.5
407	Story1	B237	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
408	Story1	B238	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
409	Story1	B239	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
410	Story1	B240	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
411	Story1	B241	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
412	Story1	B242	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
413	Story1	B243	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
414	Story1	B244	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
415	Story1	B245	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
416	Story1	B246	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
417	Story1	B247	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
418	Story1	B248	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
419	Story1	B249	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
420	Story1	B250	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
421	Story1	B251	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
422	Story1	B252	Beam	2.1285		TUB100X100X3	TUB100X100X3		0.5
423	Story1	B253	Beam	0.424		TUB50X50X2	TUB50X50X2		0.5
424	Story1	B254	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
425	Story1	B255	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
426	Story1	B256	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
427	Story1	B257	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
428	Story1	B258	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
429	Story1	B259	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
430	Story1	B260	Beam	0.424		TUB50X50X2	TUB50X50X2		0.5
431	Story1	B261	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
432	Story1	B262	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
433	Story1	B263	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
434	Story1	B264	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
435	Story1	B265	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
436	Story1	B266	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
437	Story1	B267	Beam	0.424		TUB50X50X2	TUB50X50X2		0.5
438	Story1	B268	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
439	Story1	B269	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
440	Story1	B270	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
441	Story1	B271	Beam	0.7888		TUB100X100X3	TUB100X100X3		0.5
442	Story1	B272	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
443	Story1	B273	Beam	0.663		TUB100X100X3	TUB100X100X3		0.5
3	Story1	C7	Column	5.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
4	Story1	C8	Column	5.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
7	Story1	C11	Column	5.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
8	Story1	C12	Column	5.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
21	Story1	C13	Column	1		TUB100X100X3	TUB100X100X3		
22	Story1	C14	Column	1		TUB100X100X3	TUB100X100X3		
24	Story1	C15	Column	4.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
25	Story1	C16	Column	1		TUBC 152.4X4MM	TUBC 152.4X4MM		
26	Story1	C17	Column	4.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
27	Story1	C18	Column	1		TUBC 152.4X4MM	TUBC 152.4X4MM		
28	Story1	C19	Column	4.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
29	Story1	C20	Column	1		TUBC 152.4X4MM	TUBC 152.4X4MM		
30	Story1	C21	Column	4.15		TUBC 152.4X4MM	TUBC 152.4X4MM		
31	Story1	C22	Column	1		TUBC 152.4X4MM	TUBC 152.4X4MM		

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
42	Story1	C23	Column	1		TUB50X50X2	TUB50X50X2		
72	Story1	C26	Column	1		TUB50X50X2	TUB50X50X2		
73	Story1	C27	Column	1		TUB50X50X2	TUB50X50X2		
74	Story1	C28	Column	1		TUB50X50X2	TUB50X50X2		
80	Story1	C29	Column	1		TUB100X100X3	TUB100X100X3		
81	Story1	C30	Column	1		TUB100X100X3	TUB100X100X3		
89	Story1	C31	Column	1		TUB50X50X2	TUB50X50X2		
105	Story1	C32	Column	1		TUB50X50X2	TUB50X50X2		
106	Story1	C33	Column	1		TUB50X50X2	TUB50X50X2		
107	Story1	C34	Column	1		TUB50X50X2	TUB50X50X2		
128	Story1	C35	Column	1		TUB50X50X2	TUB50X50X2		
129	Story1	C36	Column	1		TUB50X50X2	TUB50X50X2		
130	Story1	C37	Column	1		TUB50X50X2	TUB50X50X2		
131	Story1	C38	Column	1		TUB50X50X2	TUB50X50X2		
132	Story1	C39	Column	1		TUB50X50X2	TUB50X50X2		
133	Story1	C40	Column	1		TUB50X50X2	TUB50X50X2		
134	Story1	C41	Column	1		TUB50X50X2	TUB50X50X2		
159	Story1	C42	Column	1		TUB50X50X2	TUB50X50X2		
160	Story1	C43	Column	1		TUB50X50X2	TUB50X50X2		
161	Story1	C44	Column	1		TUB50X50X2	TUB50X50X2		
162	Story1	C45	Column	1		TUB50X50X2	TUB50X50X2		
163	Story1	C46	Column	1		TUB50X50X2	TUB50X50X2		
164	Story1	C47	Column	1		TUB50X50X2	TUB50X50X2		
165	Story1	C48	Column	1		TUB50X50X2	TUB50X50X2		
190	Story1	C49	Column	1		TUB50X50X2	TUB50X50X2		
191	Story1	C50	Column	1		TUB50X50X2	TUB50X50X2		
192	Story1	C51	Column	1		TUB50X50X2	TUB50X50X2		
193	Story1	C52	Column	1		TUB50X50X2	TUB50X50X2		
194	Story1	C53	Column	1		TUB50X50X2	TUB50X50X2		
195	Story1	C54	Column	1		TUB50X50X2	TUB50X50X2		
196	Story1	C55	Column	1		TUB50X50X2	TUB50X50X2		
221	Story1	C56	Column	1		TUB50X50X2	TUB50X50X2		
222	Story1	C57	Column	1		TUB50X50X2	TUB50X50X2		
223	Story1	C58	Column	1		TUB50X50X2	TUB50X50X2		
224	Story1	C59	Column	1		TUB50X50X2	TUB50X50X2		
225	Story1	C60	Column	1		TUB50X50X2	TUB50X50X2		
226	Story1	C61	Column	1		TUB50X50X2	TUB50X50X2		
227	Story1	C62	Column	1		TUB50X50X2	TUB50X50X2		
252	Story1	C63	Column	1		TUB50X50X2	TUB50X50X2		
253	Story1	C64	Column	1		TUB50X50X2	TUB50X50X2		
254	Story1	C65	Column	1		TUB50X50X2	TUB50X50X2		
255	Story1	C66	Column	1		TUB50X50X2	TUB50X50X2		
256	Story1	C67	Column	1		TUB50X50X2	TUB50X50X2		
257	Story1	C68	Column	1		TUB50X50X2	TUB50X50X2		
258	Story1	C69	Column	1		TUB50X50X2	TUB50X50X2		
283	Story1	C70	Column	1		TUB50X50X2	TUB50X50X2		
284	Story1	C71	Column	1		TUB50X50X2	TUB50X50X2		
285	Story1	C72	Column	1		TUB50X50X2	TUB50X50X2		
286	Story1	C73	Column	1		TUB50X50X2	TUB50X50X2		
287	Story1	C74	Column	1		TUB50X50X2	TUB50X50X2		
288	Story1	C75	Column	1		TUB50X50X2	TUB50X50X2		
289	Story1	C76	Column	1		TUB50X50X2	TUB50X50X2		
6	Story1	C1	Column	1		TUB100X100X3	TUB100X100X3		
10	Story1	C2	Column	1		TUB100X100X3	TUB100X100X3		
45	Story1	C3	Column	1		TUB50X50X2	TUB50X50X2		
79	Story1	C4	Column	1		TUB50X50X2	TUB50X50X2		
110	Story1	C5	Column	1		TUB50X50X2	TUB50X50X2		
111	Story1	C6	Column	1		TUB50X50X2	TUB50X50X2		

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
345	Story1	C9	Column	1		TUB100X100X3	TUB100X100X3		
346	Story1	C10	Column	1		TUB100X100X3	TUB100X100X3		
354	Story1	C24	Column	1		TUB50X50X2	TUB50X50X2		
370	Story1	C25	Column	1		TUB50X50X2	TUB50X50X2		
371	Story1	C77	Column	1		TUB50X50X2	TUB50X50X2		
372	Story1	C78	Column	1		TUB50X50X2	TUB50X50X2		
387	Story1	C79	Column	1		TUB50X50X2	TUB50X50X2		
388	Story1	C80	Column	1		TUB50X50X2	TUB50X50X2		
389	Story1	C81	Column	1		TUB50X50X2	TUB50X50X2		
390	Story1	C82	Column	1		TUB50X50X2	TUB50X50X2		
391	Story1	C83	Column	1		TUB50X50X2	TUB50X50X2		
392	Story1	C84	Column	1		TUB50X50X2	TUB50X50X2		
393	Story1	C85	Column	1		TUB50X50X2	TUB50X50X2		
394	Story1	C86	Column	1		TUB50X50X2	TUB50X50X2		
43	Story1	D2	Brace	1.1998		TUB50X50X2	TUB50X50X2		
44	Story1	D3	Brace	1.1998		TUB50X50X2	TUB50X50X2		
75	Story1	D9	Brace	1.077		TUB50X50X2	TUB50X50X2		
67	Story1	D10	Brace	1.0862		TUB50X50X2	TUB50X50X2		
68	Story1	D11	Brace	1.2736		TUB50X50X2	TUB50X50X2		
69	Story1	D12	Brace	1.2736		TUB50X50X2	TUB50X50X2		
70	Story1	D13	Brace	1.2736		TUB50X50X2	TUB50X50X2		
71	Story1	D14	Brace	1.2736		TUB50X50X2	TUB50X50X2		
76	Story1	D15	Brace	1.077		TUB50X50X2	TUB50X50X2		
90	Story1	D16	Brace	1.1998		TUB50X50X2	TUB50X50X2		
91	Story1	D17	Brace	1.1998		TUB50X50X2	TUB50X50X2		
100	Story1	D18	Brace	1.0862		TUB50X50X2	TUB50X50X2		
101	Story1	D19	Brace	1.2736		TUB50X50X2	TUB50X50X2		
102	Story1	D20	Brace	1.2736		TUB50X50X2	TUB50X50X2		
103	Story1	D21	Brace	1.2736		TUB50X50X2	TUB50X50X2		
104	Story1	D22	Brace	1.2736		TUB50X50X2	TUB50X50X2		
108	Story1	D23	Brace	1.077		TUB50X50X2	TUB50X50X2		
109	Story1	D24	Brace	1.077		TUB50X50X2	TUB50X50X2		
135	Story1	D25	Brace	1.4604		TUB50X50X2	TUB50X50X2		
136	Story1	D26	Brace	1.4604		TUB50X50X2	TUB50X50X2		
137	Story1	D27	Brace	1.4604		TUB50X50X2	TUB50X50X2		
138	Story1	D28	Brace	1.4604		TUB50X50X2	TUB50X50X2		
139	Story1	D29	Brace	1.4604		TUB50X50X2	TUB50X50X2		
140	Story1	D30	Brace	1.4604		TUB50X50X2	TUB50X50X2		
141	Story1	D31	Brace	1.4604		TUB50X50X2	TUB50X50X2		
142	Story1	D32	Brace	1.4604		TUB50X50X2	TUB50X50X2		
166	Story1	D33	Brace	1.4604		TUB50X50X2	TUB50X50X2		
167	Story1	D34	Brace	1.4604		TUB50X50X2	TUB50X50X2		
168	Story1	D35	Brace	1.4604		TUB50X50X2	TUB50X50X2		
169	Story1	D36	Brace	1.4604		TUB50X50X2	TUB50X50X2		
170	Story1	D37	Brace	1.4604		TUB50X50X2	TUB50X50X2		
171	Story1	D38	Brace	1.4604		TUB50X50X2	TUB50X50X2		
172	Story1	D39	Brace	1.4604		TUB50X50X2	TUB50X50X2		
173	Story1	D40	Brace	1.4604		TUB50X50X2	TUB50X50X2		
197	Story1	D41	Brace	1.4604		TUB50X50X2	TUB50X50X2		
198	Story1	D42	Brace	1.4604		TUB50X50X2	TUB50X50X2		
199	Story1	D43	Brace	1.4604		TUB50X50X2	TUB50X50X2		
200	Story1	D44	Brace	1.4604		TUB50X50X2	TUB50X50X2		
201	Story1	D45	Brace	1.4604		TUB50X50X2	TUB50X50X2		
202	Story1	D46	Brace	1.4604		TUB50X50X2	TUB50X50X2		
203	Story1	D47	Brace	1.4604		TUB50X50X2	TUB50X50X2		
204	Story1	D48	Brace	1.4604		TUB50X50X2	TUB50X50X2		
228	Story1	D49	Brace	1.4604		TUB50X50X2	TUB50X50X2		
229	Story1	D50	Brace	1.4604		TUB50X50X2	TUB50X50X2		

UniqueName	Story	Label	Design Type	Length m	Auto Select	Analysis Section	Design Section	Axis Angle deg	Max Station Spacing m
230	Story1	D51	Brace	1.4604		TUB50X50X2	TUB50X50X2		
231	Story1	D52	Brace	1.4604		TUB50X50X2	TUB50X50X2		
232	Story1	D53	Brace	1.4604		TUB50X50X2	TUB50X50X2		
233	Story1	D54	Brace	1.4604		TUB50X50X2	TUB50X50X2		
234	Story1	D55	Brace	1.4604		TUB50X50X2	TUB50X50X2		
235	Story1	D56	Brace	1.4604		TUB50X50X2	TUB50X50X2		
259	Story1	D57	Brace	1.4604		TUB50X50X2	TUB50X50X2		
260	Story1	D58	Brace	1.4604		TUB50X50X2	TUB50X50X2		
261	Story1	D59	Brace	1.4604		TUB50X50X2	TUB50X50X2		
262	Story1	D60	Brace	1.4604		TUB50X50X2	TUB50X50X2		
263	Story1	D61	Brace	1.4604		TUB50X50X2	TUB50X50X2		
264	Story1	D62	Brace	1.4604		TUB50X50X2	TUB50X50X2		
265	Story1	D63	Brace	1.4604		TUB50X50X2	TUB50X50X2		
266	Story1	D64	Brace	1.4604		TUB50X50X2	TUB50X50X2		
290	Story1	D65	Brace	1.4604		TUB50X50X2	TUB50X50X2		
291	Story1	D66	Brace	1.4604		TUB50X50X2	TUB50X50X2		
292	Story1	D67	Brace	1.4604		TUB50X50X2	TUB50X50X2		
293	Story1	D68	Brace	1.4604		TUB50X50X2	TUB50X50X2		
294	Story1	D69	Brace	1.4604		TUB50X50X2	TUB50X50X2		
295	Story1	D70	Brace	1.4604		TUB50X50X2	TUB50X50X2		
296	Story1	D71	Brace	1.4604		TUB50X50X2	TUB50X50X2		
297	Story1	D72	Brace	1.4604		TUB50X50X2	TUB50X50X2		
46	Story1	D1	Brace	1.1998		TUB50X50X2	TUB50X50X2		
47	Story1	D4	Brace	1.1998		TUB50X50X2	TUB50X50X2		
56	Story1	D5	Brace	1.0862		TUB50X50X2	TUB50X50X2		
57	Story1	D6	Brace	1.2736		TUB50X50X2	TUB50X50X2		
58	Story1	D7	Brace	1.2736		TUB50X50X2	TUB50X50X2		
77	Story1	D8	Brace	1.2736		TUB50X50X2	TUB50X50X2		
78	Story1	D73	Brace	1.2736		TUB50X50X2	TUB50X50X2		
326	Story1	D74	Brace	1.077		TUB50X50X2	TUB50X50X2		
327	Story1	D75	Brace	1.077		TUB50X50X2	TUB50X50X2		
355	Story1	D76	Brace	1.1998		TUB50X50X2	TUB50X50X2		
356	Story1	D77	Brace	1.1998		TUB50X50X2	TUB50X50X2		
365	Story1	D78	Brace	1.0862		TUB50X50X2	TUB50X50X2		
366	Story1	D79	Brace	1.2736		TUB50X50X2	TUB50X50X2		
367	Story1	D80	Brace	1.2736		TUB50X50X2	TUB50X50X2		
368	Story1	D81	Brace	1.2736		TUB50X50X2	TUB50X50X2		
369	Story1	D82	Brace	1.2736		TUB50X50X2	TUB50X50X2		
373	Story1	D83	Brace	1.077		TUB50X50X2	TUB50X50X2		
374	Story1	D84	Brace	1.077		TUB50X50X2	TUB50X50X2		

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

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
9										
11										
12										
13										
14										
17										
18										
19										
32										
33										
35										
38										

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
39										
40										
41										
59										
60										
61										
62										
63										
64										
65										
66										
82										
83										
84										
85										
86										
87										
88										
92										
93										
94										
95										
96										
97										
98										
99										
112										
113										
114										
115										
116										
117										
118										
119										
120										
121										
122										
123										
124										
125										
126										
127										
143										
144										
145										
146										
147										
148										
149										
150										
151										
152										
153										
154										
155										
156										
157										
158										
174										

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
175										
176										
177										
178										
179										
180										
181										
182										
183										
184										
185										
186										
187										
188										
189										
205										
206										
207										
208										
209										
210										
211										
212										
213										
214										
215										
216										
217										
218										
219										
220										
236										
237										
238										
239										
240										
241										
242										
243										
244										
245										
246										
247										
248										
249										
250										
251										
267										
268										
269										
270										
271										
272										
273										
274										
275										
276										
277										
278										

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
279										
280										
281										
282										
298										
299										
300										
301										
302										
303										
304										
305										
306										
307										
308										
309										
310										
311										
312										
313										
314										
315										
316										
317										
318										
319										
320										
321										
322										
323										
324										
325										
1										
2										
5										
15										
16										
20										
23										
34										
36										
37										
48										
49										
50										
51										
52										
53										
54										
55										
328										
329										
330										
331										
332										
333										
334										
335										
336										

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
337										
338										
339										
340										
341										
342										
343										
344										
347										
348										
349										
350										
351										
352										
353										
357										
358										
359										
360										
361										
362										
363										
364										
375										
376										
377										
378										
379										
380										
381										
382										
383										
384										
385										
386										
395										
397										
398										
400										
401										
403										
404										
406										
407										
408										
409										
410										
411										
412										
413										
414										
415										
416										
417										
418										
419										
420										
421										
422										

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
423										
424										
425										
426										
427										
428										
429										
430										
431										
432										
433										
434										
435										
436										
437										
438										
439										
440										
441										
442										
443										
3	3									
4	3									
7	3									
8	3									
21	3									
22	3									
24	3									
25	3									
26	3									
27	3									
28	3									
29	3									
30	3									
31	3									
42	3									
72	3									
73	3									
74	3									
80	3									
81	3									
89	3									
105	3									
106	3									
107	3									
128	3									
129	3									
130	3									
131	3									
132	3									
133	3									
134	3									
159	3									
160	3									
161	3									
162	3									
163	3									
164	3									
165	3									

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
190	3									
191	3									
192	3									
193	3									
194	3									
195	3									
196	3									
221	3									
222	3									
223	3									
224	3									
225	3									
226	3									
227	3									
252	3									
253	3									
254	3									
255	3									
256	3									
257	3									
258	3									
283	3									
284	3									
285	3									
286	3									
287	3									
288	3									
289	3									
6	3									
10	3									
45	3									
79	3									
110	3									
111	3									
345	3									
346	3									
354	3									
370	3									
371	3									
372	3									
387	3									
388	3									
389	3									
390	3									
391	3									
392	3									
393	3									
394	3									
43	3									
44	3									
75	3									
67	3									
68	3									
69	3									
70	3									
71	3									
76	3									
90	3									
91	3									

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
100	3									
101	3									
102	3									
103	3									
104	3									
108	3									
109	3									
135	3									
136	3									
137	3									
138	3									
139	3									
140	3									
141	3									
142	3									
166	3									
167	3									
168	3									
169	3									
170	3									
171	3									
172	3									
173	3									
197	3									
198	3									
199	3									
200	3									
201	3									
202	3									
203	3									
204	3									
228	3									
229	3									
230	3									
231	3									
232	3									
233	3									
234	3									
235	3									
259	3									
260	3									
261	3									
262	3									
263	3									
264	3									
265	3									
266	3									
290	3									
291	3									
292	3									
293	3									
294	3									
295	3									
296	3									
297	3									
46	3									
47	3									
56	3									
57	3									

UniqueName	Min Number Stations	Releases	User Offsets	Added Mass kgf-s2/m2	Pier	Spandrel	Spring	Modifiers	T/C Limits	Moment Beam Type
58	3									
77	3									
78	3									
326	3									
327	3									
355	3									
356	3									
365	3									
366	3									
367	3									
368	3									
369	3									
373	3									
374	3									

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

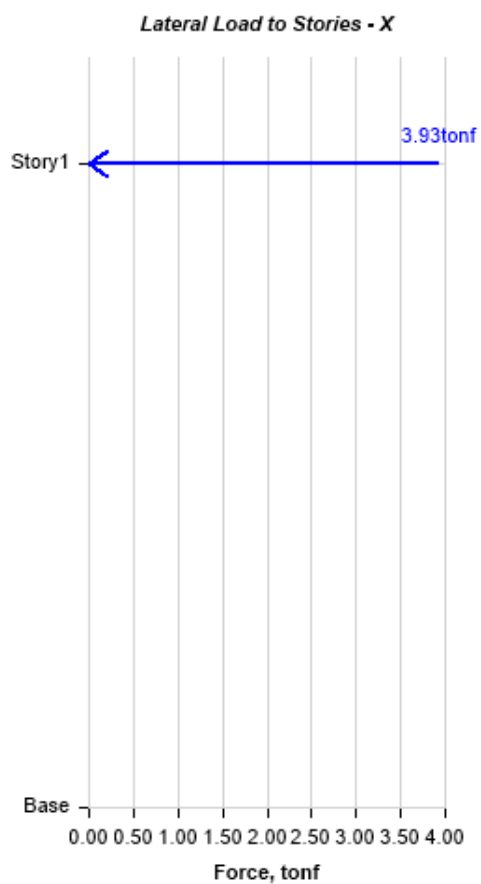
Base Shear, V

$V = CW$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	5589.13	3.93

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	5.15	3.93	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

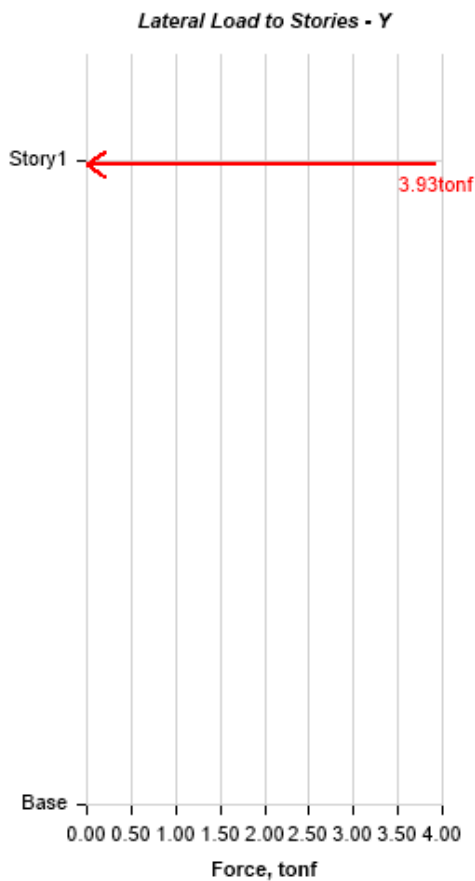
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	5589.13	3.93

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	5.15	0	3.93
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

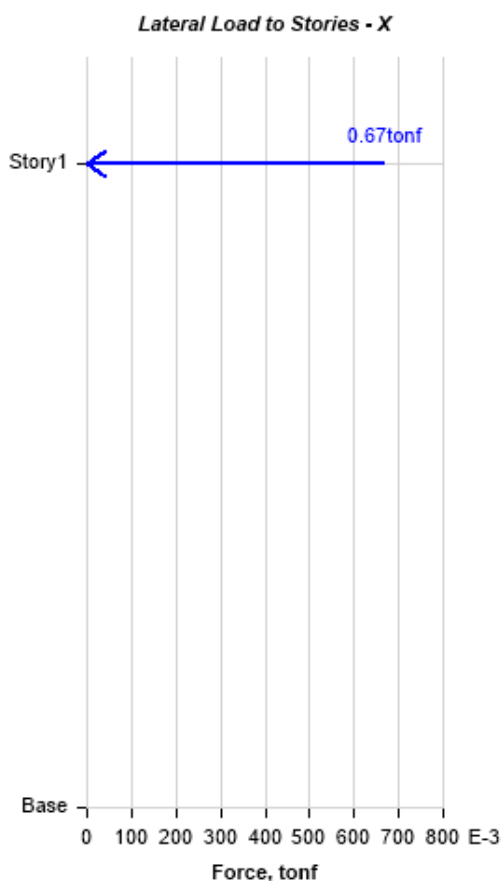
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
X + Ecc. Y	0	0	5589.13	0.67

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	5.15	0.67	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

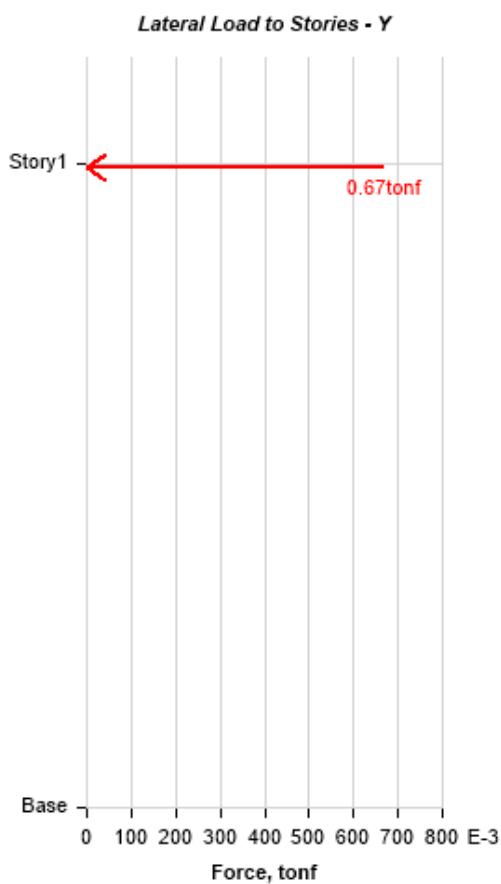
Base Shear, V

$$V = CW$$

Calculated Base Shear

Direction	Period Used (sec)	C	W (kgf)	V (tonf)
Y + Ecc. X	0	0	5589.13	0.67

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	tonf	tonf
Story1	5.15	0	0.67
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
395	L	Story1	B225	Force	Gravity	Relative	0	1	0
397	L	Story1	B227	Force	Gravity	Relative	0	1	0
398	L	Story1	B228	Force	Gravity	Relative	0	1	0
400	L	Story1	B230	Force	Gravity	Relative	0	1	0
401	L	Story1	B231	Force	Gravity	Relative	0	1	0
403	L	Story1	B233	Force	Gravity	Relative	0	1	0
404	L	Story1	B234	Force	Gravity	Relative	0	1	0
406	L	Story1	B236	Force	Gravity	Relative	0	1	0
407	L	Story1	B237	Force	Gravity	Relative	0	1	0
408	L	Story1	B238	Force	Gravity	Relative	0	1	0
409	L	Story1	B239	Force	Gravity	Relative	0	1	0
410	L	Story1	B240	Force	Gravity	Relative	0	1	0
411	L	Story1	B241	Force	Gravity	Relative	0	1	0
412	L	Story1	B242	Force	Gravity	Relative	0	1	0
413	L	Story1	B243	Force	Gravity	Relative	0	1	0
414	L	Story1	B244	Force	Gravity	Relative	0	1	0
415	L	Story1	B245	Force	Gravity	Relative	0	1	0
416	L	Story1	B246	Force	Gravity	Relative	0	1	0
417	L	Story1	B247	Force	Gravity	Relative	0	1	0
418	L	Story1	B248	Force	Gravity	Relative	0	1	0
419	L	Story1	B249	Force	Gravity	Relative	0	1	0
420	L	Story1	B250	Force	Gravity	Relative	0	1	0
421	L	Story1	B251	Force	Gravity	Relative	0	1	0
422	L	Story1	B252	Force	Gravity	Relative	0	1	0
395	DS	Story1	B225	Force	Gravity	Relative	0	1	0
397	DS	Story1	B227	Force	Gravity	Relative	0	1	0
398	DS	Story1	B228	Force	Gravity	Relative	0	1	0
400	DS	Story1	B230	Force	Gravity	Relative	0	1	0
401	DS	Story1	B231	Force	Gravity	Relative	0	1	0
403	DS	Story1	B233	Force	Gravity	Relative	0	1	0
404	DS	Story1	B234	Force	Gravity	Relative	0	1	0
406	DS	Story1	B236	Force	Gravity	Relative	0	1	0
407	DS	Story1	B237	Force	Gravity	Relative	0	1	0
408	DS	Story1	B238	Force	Gravity	Relative	0	1	0
409	DS	Story1	B239	Force	Gravity	Relative	0	1	0
410	DS	Story1	B240	Force	Gravity	Relative	0	1	0
411	DS	Story1	B241	Force	Gravity	Relative	0	1	0
412	DS	Story1	B242	Force	Gravity	Relative	0	1	0
413	DS	Story1	B243	Force	Gravity	Relative	0	1	0
414	DS	Story1	B244	Force	Gravity	Relative	0	1	0
415	DS	Story1	B245	Force	Gravity	Relative	0	1	0
416	DS	Story1	B246	Force	Gravity	Relative	0	1	0
417	DS	Story1	B247	Force	Gravity	Relative	0	1	0
418	DS	Story1	B248	Force	Gravity	Relative	0	1	0
419	DS	Story1	B249	Force	Gravity	Relative	0	1	0
420	DS	Story1	B250	Force	Gravity	Relative	0	1	0
421	DS	Story1	B251	Force	Gravity	Relative	0	1	0
422	DS	Story1	B252	Force	Gravity	Relative	0	1	0
395	W1	Story1	B225	Force	Gravity	Relative	0	1	0
397	W1	Story1	B227	Force	Gravity	Relative	0	1	0
398	W1	Story1	B228	Force	Gravity	Relative	0	1	0
400	W1	Story1	B230	Force	Gravity	Relative	0	1	0
401	W1	Story1	B231	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
403	W1	Story1	B233	Force	Gravity	Relative	0	1	0
404	W1	Story1	B234	Force	Gravity	Relative	0	1	0
406	W1	Story1	B236	Force	Gravity	Relative	0	1	0
407	W1	Story1	B237	Force	Gravity	Relative	0	1	0
408	W1	Story1	B238	Force	Gravity	Relative	0	1	0
409	W1	Story1	B239	Force	Gravity	Relative	0	1	0
410	W1	Story1	B240	Force	Gravity	Relative	0	1	0
411	W1	Story1	B241	Force	Gravity	Relative	0	1	0
412	W1	Story1	B242	Force	Gravity	Relative	0	1	0
413	W1	Story1	B243	Force	Gravity	Relative	0	1	0
414	W1	Story1	B244	Force	Gravity	Relative	0	1	0
415	W1	Story1	B245	Force	Gravity	Relative	0	1	0
416	W1	Story1	B246	Force	Gravity	Relative	0	1	0
417	W1	Story1	B247	Force	Gravity	Relative	0	1	0
418	W1	Story1	B248	Force	Gravity	Relative	0	1	0
419	W1	Story1	B249	Force	Gravity	Relative	0	1	0
420	W1	Story1	B250	Force	Gravity	Relative	0	1	0
421	W1	Story1	B251	Force	Gravity	Relative	0	1	0
422	W1	Story1	B252	Force	Gravity	Relative	0	1	0
21	W1	Story1	C13	Force	Global-Y	Relative	0	1	0
80	W1	Story1	C29	Force	Global-Y	Relative	0	1	0
283	W1	Story1	C70	Force	Global-Y	Relative	0	1	0
284	W1	Story1	C71	Force	Global-Y	Relative	0	1	0
285	W1	Story1	C72	Force	Global-Y	Relative	0	1	0
286	W1	Story1	C73	Force	Global-Y	Relative	0	1	0
287	W1	Story1	C74	Force	Global-Y	Relative	0	1	0
288	W1	Story1	C75	Force	Global-Y	Relative	0	1	0
289	W1	Story1	C76	Force	Global-Y	Relative	0	1	0
6	W1	Story1	C1	Force	Global-Y	Relative	0	1	0
345	W1	Story1	C9	Force	Global-Y	Relative	0	1	0
395	W2	Story1	B225	Force	Gravity	Relative	0	1	0
397	W2	Story1	B227	Force	Gravity	Relative	0	1	0
398	W2	Story1	B228	Force	Gravity	Relative	0	1	0
400	W2	Story1	B230	Force	Gravity	Relative	0	1	0
401	W2	Story1	B231	Force	Gravity	Relative	0	1	0
403	W2	Story1	B233	Force	Gravity	Relative	0	1	0
404	W2	Story1	B234	Force	Gravity	Relative	0	1	0
406	W2	Story1	B236	Force	Gravity	Relative	0	1	0
407	W2	Story1	B237	Force	Gravity	Relative	0	1	0
408	W2	Story1	B238	Force	Gravity	Relative	0	1	0
409	W2	Story1	B239	Force	Gravity	Relative	0	1	0
410	W2	Story1	B240	Force	Gravity	Relative	0	1	0
411	W2	Story1	B241	Force	Gravity	Relative	0	1	0
412	W2	Story1	B242	Force	Gravity	Relative	0	1	0
413	W2	Story1	B243	Force	Gravity	Relative	0	1	0
414	W2	Story1	B244	Force	Gravity	Relative	0	1	0
415	W2	Story1	B245	Force	Gravity	Relative	0	1	0
416	W2	Story1	B246	Force	Gravity	Relative	0	1	0
417	W2	Story1	B247	Force	Gravity	Relative	0	1	0
418	W2	Story1	B248	Force	Gravity	Relative	0	1	0
419	W2	Story1	B249	Force	Gravity	Relative	0	1	0
420	W2	Story1	B250	Force	Gravity	Relative	0	1	0
421	W2	Story1	B251	Force	Gravity	Relative	0	1	0
422	W2	Story1	B252	Force	Gravity	Relative	0	1	0
22	W2	Story1	C14	Force	Global-Y	Relative	0	1	0
81	W2	Story1	C30	Force	Global-Y	Relative	0	1	0
252	W2	Story1	C63	Force	Global-Y	Relative	0	1	0
253	W2	Story1	C64	Force	Global-Y	Relative	0	1	0

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
254	W2	Story1	C65	Force	Global-Y	Relative	0	1	0
255	W2	Story1	C66	Force	Global-Y	Relative	0	1	0
256	W2	Story1	C67	Force	Global-Y	Relative	0	1	0
257	W2	Story1	C68	Force	Global-Y	Relative	0	1	0
258	W2	Story1	C69	Force	Global-Y	Relative	0	1	0
10	W2	Story1	C2	Force	Global-Y	Relative	0	1	0
346	W2	Story1	C10	Force	Global-Y	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
395	L	0.65	40	40		
397	L	0.65	40	40		
398	L	0.65	40	40		
400	L	0.65	40	40		
401	L	0.65	40	40		
403	L	0.65	40	40		
404	L	0.65	40	40		
406	L	0.65	40	40		
407	L	2.1285	40	40		
408	L	2.1285	40	40		
409	L	2.1285	40	40		
410	L	2.1285	40	40		
411	L	2.1285	40	40		
412	L	2.1285	40	40		
413	L	2.1285	40	40		
414	L	2.1285	40	40		
415	L	2.1285	40	40		
416	L	2.1285	40	40		
417	L	2.1285	40	40		
418	L	2.1285	40	40		
419	L	2.1285	40	40		
420	L	2.1285	40	40		
421	L	2.1285	40	40		
422	L	2.1285	40	40		
395	DS	0.65	64	64		
397	DS	0.65	64	64		
398	DS	0.65	64	64		
400	DS	0.65	64	64		
401	DS	0.65	64	64		
403	DS	0.65	64	64		
404	DS	0.65	64	64		
406	DS	0.65	64	64		
407	DS	2.1285	64	64		
408	DS	2.1285	64	64		
409	DS	2.1285	64	64		
410	DS	2.1285	64	64		
411	DS	2.1285	64	64		
412	DS	2.1285	64	64		
413	DS	2.1285	64	64		
414	DS	2.1285	64	64		
415	DS	2.1285	64	64		
416	DS	2.1285	64	64		
417	DS	2.1285	64	64		
418	DS	2.1285	64	64		

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
419	DS	2.1285	64	64		
420	DS	2.1285	64	64		
421	DS	2.1285	64	64		
422	DS	2.1285	64	64		
395	W1	0.65	40	40		
397	W1	0.65	40	40		
398	W1	0.65	40	40		
400	W1	0.65	40	40		
401	W1	0.65	40	40		
403	W1	0.65	40	40		
404	W1	0.65	40	40		
406	W1	0.65	40	40		
407	W1	2.1285	40	40		
408	W1	2.1285	40	40		
409	W1	2.1285	40	40		
410	W1	2.1285	40	40		
411	W1	2.1285	40	40		
412	W1	2.1285	40	40		
413	W1	2.1285	40	40		
414	W1	2.1285	40	40		
415	W1	2.1285	40	40		
416	W1	2.1285	40	40		
417	W1	2.1285	40	40		
418	W1	2.1285	40	40		
419	W1	2.1285	40	40		
420	W1	2.1285	40	40		
421	W1	2.1285	40	40		
422	W1	2.1285	40	40		
21	W1	1	150.26	150.26		
80	W1	1	150.26	150.26		
283	W1	1	150.26	150.26		
284	W1	1	150.26	150.26		
285	W1	1	150.26	150.26		
286	W1	1	150.26	150.26		
287	W1	1	150.26	150.26		
288	W1	1	150.26	150.26		
289	W1	1	150.26	150.26		
6	W1	1	150.26	150.26		
345	W1	1	150.26	150.26		
395	W2	0.65	-32	-32		
397	W2	0.65	-32	-32		
398	W2	0.65	-32	-32		
400	W2	0.65	-32	-32		
401	W2	0.65	-32	-32		
403	W2	0.65	-32	-32		
404	W2	0.65	-32	-32		
406	W2	0.65	-32	-32		
407	W2	2.1285	-32	-32		
408	W2	2.1285	-32	-32		
409	W2	2.1285	-32	-32		
410	W2	2.1285	-32	-32		
411	W2	2.1285	-32	-32		
412	W2	2.1285	-32	-32		
413	W2	2.1285	-32	-32		
414	W2	2.1285	-32	-32		
415	W2	2.1285	-32	-32		
416	W2	2.1285	-32	-32		
417	W2	2.1285	-32	-32		

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
418	W2	2.1285	-32	-32		
419	W2	2.1285	-32	-32		
420	W2	2.1285	-32	-32		
421	W2	2.1285	-32	-32		
422	W2	2.1285	-32	-32		
22	W2	1	114.3	114.3		
81	W2	1	114.3	114.3		
252	W2	1	114.3	114.3		
253	W2	1	114.3	114.3		
254	W2	1	114.3	114.3		
255	W2	1	114.3	114.3		
256	W2	1	114.3	114.3		
257	W2	1	114.3	114.3		
258	W2	1	114.3	114.3		
10	W2	1	114.3	114.3		
346	W2	1	114.3	114.3		

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	

Name	Period sec	Value	Damping Ratio
UMBRAL DE DAÑO	2.5	0.072	
UMBRAL DE DAÑO	3	0.06	
UMBRAL DE DAÑO	3.5	0.051	
UMBRAL DE DAÑO	4	0.045	
UMBRAL DE DAÑO	4.5	0.04	
UMBRAL DE DAÑO	5	0.036	
UMBRAL DE DAÑO	5.5	0.033	
UMBRAL DE DAÑO	6	0.03	
UMBRAL DE DAÑO	6.5	0.028	
UMBRAL DE DAÑO	7.2	0.025	

2.4.2 Time History Functions

Table 2.9 - Functions - Time History - User Defined

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

2.5 Load Cases

Table 2.10 - Load Case Definitions - Summary

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

2.6 Load Combinations

Table 2.11 - Load Combination Definitions (Part 1 of 2)

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

Name	Type	Is Auto	Load Name	Mode	SF
CIM 1.0D+0.7SY	Linear Add	No	Dead		1
CIM 1.0D+0.7SY			SY		0.7
CIM 1.0D+0.7SY			DS		1
CIM 1.0D+0.75L+0.5SX	Linear Add	No	Dead		1
CIM 1.0D+0.75L+0.5SX			Live		0.75
CIM 1.0D+0.75L+0.5SX			SX		0.5
CIM 1.0D+0.75L+0.5SX			DS		1
CIM 1.0D+0.75L+0.5SY	Linear Add	No	Dead		1
CIM 1.0D+0.75L+0.5SY			Live		0.75
CIM 1.0D+0.75L+0.5SY			SY		0.5
CIM 1.0D+0.75L+0.5SY			DS		1
CIM 1.0D+1.0L	Linear Add	No	Dead		1
CIM 1.0D+1.0L			Live		1
CIM 1.0D+1.0L			DS		1
DES 0.6D+1.0SX	Linear Add	No	Dead		0.6
DES 0.6D+1.0SX			SX		1
DES 0.6D+1.0SX			DS		0.6
DES 0.6D+1.0SY	Linear Add	No	Dead		0.6
DES 0.6D+1.0SY			SY		1
DES 0.6D+1.0SY			DS		0.6
DES 1.0D+0.75L+0.75SX	Linear Add	No	Dead		1
DES 1.0D+0.75L+0.75SX			Live		0.75
DES 1.0D+0.75L+0.75SX			SX		0.75
DES 1.0D+0.75L+0.75SX			DS		1
DES 1.0D+0.75L+0.75SY	Linear Add	No	Dead		1
DES 1.0D+0.75L+0.75SY			Live		0.75
DES 1.0D+0.75L+0.75SY			SY		0.75
DES 1.0D+0.75L+0.75SY			DS		1
DES 1.0D+1.0SX	Linear Add	No	Dead		1
DES 1.0D+1.0SX			SX		1
DES 1.0D+1.0SX			DS		1
DES 1.0D+1.0SY	Linear Add	No	Dead		1
DES 1.0D+1.0SY			SY		1
DES 1.0D+1.0SY			DS		1
DStID1	Linear Add	Yes	Dead		1
DStID1			DS		1
DStID2	Linear Add	Yes	Dead		1
DStID2			Live		1
DStID2			DS		1
DStIS1	Linear Add	Yes	Dead		1.4
DStIS1			DS		1.4
DStIS2	Linear Add	Yes	Dead		1.2
DStIS2			Live		1.6
DStIS2			DS		1.2
DStIS3	Linear Add	Yes	Dead		1.2
DStIS3			Live		1
DStIS3			DS		1.2
DStIS3			W1		1
DStIS4	Linear Add	Yes	Dead		1.2
DStIS4			Live		1
DStIS4			DS		1.2
DStIS4			W1		-1
DStIS5	Linear Add	Yes	Dead		1.2
DStIS5			Live		1
DStIS5			DS		1.2
DStIS5			W2		1
DStIS6	Linear Add	Yes	Dead		1.2
DStIS6			Live		1
DStIS6			DS		1.2
DStIS6			W2		-1
DStIS7	Linear Add	Yes	Dead		0.9

Name	Type	Is Auto	Load Name	Mode	SF
DStIS7			DS		0.9
DStIS7			W1		1
DStIS8	Linear Add	Yes	Dead		0.9
DStIS8			DS		0.9
DStIS8			W1		-1
DStIS9	Linear Add	Yes	Dead		0.9
DStIS9			DS		0.9
DStIS9			W2		1
DStIS10	Linear Add	Yes	Dead		0.9
DStIS10			DS		0.9
DStIS10			W2		-1
DStIS11	Linear Add	Yes	Dead		1.3
DStIS11			Live		1
DStIS11			DS		1.3
DStIS11			SXEST		1
DStIS12	Linear Add	Yes	Dead		1.3
DStIS12			Live		1
DStIS12			DS		1.3
DStIS12			SXEST		-1
DStIS13	Linear Add	Yes	Dead		1.3
DStIS13			Live		1
DStIS13			DS		1.3
DStIS13			SYEST		1
DStIS14	Linear Add	Yes	Dead		1.3
DStIS14			Live		1
DStIS14			DS		1.3
DStIS14			SYEST		-1
DStIS15	Linear Add	Yes	Dead		1.3
DStIS15			Live		1
DStIS15			DS		1.3
DStIS15			SX-UMBRAL-EST		1
DStIS16	Linear Add	Yes	Dead		1.3
DStIS16			Live		1
DStIS16			DS		1.3
DStIS16			SX-UMBRAL-EST		-1
DStIS17	Linear Add	Yes	Dead		1.3
DStIS17			Live		1
DStIS17			DS		1.3
DStIS17			SY-UMBRAL-EST		1
DStIS18	Linear Add	Yes	Dead		1.3
DStIS18			Live		1
DStIS18			DS		1.3
DStIS18			SY-UMBRAL-EST		-1
DStIS19	Linear Add	Yes	Dead		0.8
DStIS19			DS		0.8
DStIS19			SXEST		1
DStIS20	Linear Add	Yes	Dead		0.8
DStIS20			DS		0.8
DStIS20			SXEST		-1
DStIS21	Linear Add	Yes	Dead		0.8
DStIS21			DS		0.8
DStIS21			SYEST		1
DStIS22	Linear Add	Yes	Dead		0.8
DStIS22			DS		0.8
DStIS22			SYEST		-1
DStIS23	Linear Add	Yes	Dead		0.8
DStIS23			DS		0.8
DStIS23			SX-UMBRAL-EST		1
DStIS24	Linear Add	Yes	Dead		0.8
DStIS24			DS		0.8
DStIS24			SX-UMBRAL-EST		-1

Name	Type	Is Auto	Load Name	Mode	SF
DStIS25	Linear Add	Yes	Dead		0.8
DStIS25			DS		0.8
DStIS25			SY-UMBRAL-EST		1
DStIS26	Linear Add	Yes	Dead		0.8
DStIS26			DS		0.8
DStIS26			SY-UMBRAL-EST		-1
DStIS27	Linear Add	Yes	Dead		1.3
DStIS27			Live		1
DStIS27			DS		1.3
DStIS27			SX		1
DStIS28	Linear Add	Yes	Dead		1.3
DStIS28			Live		1
DStIS28			DS		1.3
DStIS28			SY		1
DStIS29	Linear Add	Yes	Dead		1.3
DStIS29			Live		1
DStIS29			DS		1.3
DStIS29			SX-UMBRAL		1
DStIS30	Linear Add	Yes	Dead		1.3
DStIS30			Live		1
DStIS30			DS		1.3
DStIS30			SY-UMBRAL		1
DStIS31	Linear Add	Yes	Dead		0.8
DStIS31			DS		0.8
DStIS31			SX		1
DStIS32	Linear Add	Yes	Dead		0.8
DStIS32			DS		0.8
DStIS32			SY		1
DStIS33	Linear Add	Yes	Dead		0.8
DStIS33			DS		0.8
DStIS33			SX-UMBRAL		1
DStIS34	Linear Add	Yes	Dead		0.8
DStIS34			DS		0.8
DStIS34			SY-UMBRAL		1
ELS 0.6D+0.7SX	Linear Add	No	Dead		0.6
ELS 0.6D+0.7SX			SX		0.7
ELS 0.6D+0.7SX			DS		0.6
ELS 0.6D+0.7SY	Linear Add	No	Dead		0.6
ELS 0.6D+0.7SY			SY		0.7
ELS 0.6D+0.7SY			DS		0.6
ELS 0.6D+1.0H	Linear Add	No	Dead		0.6
ELS 0.6D+1.0H			DS		0.6
ELS 0.6D+1.0H+0.7SX	Linear Add	No	Dead		0.6
ELS 0.6D+1.0H+0.7SX			DS		0.6
ELS 0.6D+1.0H+0.7SX			SX		0.7
ELS 0.6D+1.0H+0.7SY	Linear Add	No	Dead		0.6
ELS 0.6D+1.0H+0.7SY			DS		0.6
ELS 0.6D+1.0H+0.7SY			SY		0.7
ELS 0.6D+1.0W1	Linear Add	No	Dead		0.6
ELS 0.6D+1.0W1			W1		1
ELS 0.6D+1.0W1			DS		0.6
ELS 0.6D+1.0W2	Linear Add	No	Dead		0.6
ELS 0.6D+1.0W2			W2		1
ELS 0.6D+1.0W2			DS		0.6
ELS 1.0D	Linear Add	No	Dead		1
ELS 1.0D			DS		1
ELS 1.0D+0.7SX	Linear Add	No	Dead		1
ELS 1.0D+0.7SX			SX		0.7
ELS 1.0D+0.7SX			DS		1
ELS 1.0D+0.7SY	Linear Add	No	Dead		1
ELS 1.0D+0.7SY			SY		0.7

Name	Type	Is Auto	Load Name	Mode	SF
ELS 1.0D+0.7SY			DS		1
ELS 1.0D+0.75L	Linear Add	No	Dead		1
ELS 1.0D+0.75L			Live		0.75
ELS 1.0D+0.75L			DS		1
ELS 1.0D+0.75L+0.525SX	Linear Add	No	Dead		1
ELS 1.0D+0.75L+0.525SX			Live		0.75
ELS 1.0D+0.75L+0.525SX			SX		0.525
ELS 1.0D+0.75L+0.525SX			DS		1
ELS 1.0D+0.75L+0.525SY	Linear Add	No	Dead		1
ELS 1.0D+0.75L+0.525SY			Live		0.75
ELS 1.0D+0.75L+0.525SY			SY		0.525
ELS 1.0D+0.75L+0.525SY			DS		1
ELS 1.0D+0.75W1+0.75L	Linear Add	No	Dead		1
ELS 1.0D+0.75W1+0.75L			W1		0.75
ELS 1.0D+0.75W1+0.75L			DS		1
ELS 1.0D+0.75W1+0.75L			Live		0.75
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
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
ELU 1.2D+1.0L-1.0SY+0.3SX			Live		1

Name	Type	Is Auto	Load Name	Mode	SF
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

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

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

Name	Notes
CIM 1.0D+0.75L+0.5SX	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+0.75L+0.5SY	
CIM 1.0D+1.0L	
CIM 1.0D+1.0L	
CIM 1.0D+1.0L	
DES 0.6D+1.0SX	
DES 0.6D+1.0SX	
DES 0.6D+1.0SX	
DES 0.6D+1.0SY	
DES 0.6D+1.0SY	
DES 0.6D+1.0SY	
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SX	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+0.75L+0.75SY	
DES 1.0D+1.0SX	
DES 1.0D+1.0SX	
DES 1.0D+1.0SX	
DES 1.0D+1.0SY	
DES 1.0D+1.0SY	
DES 1.0D+1.0SY	
DStID1	Dead [Deflections]
DStID1	
DStID2	Dead + Live [Deflections]
DStID2	
DStID2	
DStIS1	Dead [Strength]
DStIS1	
DStIS2	Dead + Live [Strength]
DStIS2	
DStIS2	
DStIS3	Dead + Live + Wind + Snow [Strength]
DStIS3	
DStIS3	
DStIS3	
DStIS4	Dead + Live - Wind + Snow [Strength]
DStIS4	
DStIS4	
DStIS4	
DStIS5	Dead + Live + Wind + Snow [Strength]
DStIS5	
DStIS5	
DStIS5	
DStIS6	Dead + Live - Wind + Snow [Strength]
DStIS6	
DStIS6	
DStIS6	
DStIS7	Dead (min) + Wind [Strength]
DStIS7	
DStIS7	
DStIS8	Dead (min) - Wind [Strength]
DStIS8	
DStIS8	
DStIS9	Dead (min) + Wind [Strength]

Name	Notes
DStIS9	
DStIS9	
DStIS10	Dead (min) - Wind [Strength]
DStIS10	
DStIS10	
DStIS11	Dead + Live + Static Earthquake [Strength]
DStIS11	
DStIS11	
DStIS11	
DStIS12	Dead + Live - Static Earthquake [Strength]
DStIS12	
DStIS12	
DStIS12	
DStIS13	Dead + Live + Static Earthquake [Strength]
DStIS13	
DStIS13	
DStIS13	
DStIS14	Dead + Live - Static Earthquake [Strength]
DStIS14	
DStIS14	
DStIS14	
DStIS15	Dead + Live + Static Earthquake [Strength]
DStIS15	
DStIS15	
DStIS15	
DStIS16	Dead + Live - Static Earthquake [Strength]
DStIS16	
DStIS16	
DStIS16	
DStIS17	Dead + Live + Static Earthquake [Strength]
DStIS17	
DStIS17	
DStIS17	
DStIS18	Dead + Live - Static Earthquake [Strength]
DStIS18	
DStIS18	
DStIS18	
DStIS19	Dead (min) + Static Earthquake [Strength]
DStIS19	
DStIS19	
DStIS20	Dead (min) - Static Earthquake [Strength]
DStIS20	
DStIS20	
DStIS20	
DStIS21	Dead (min) + Static Earthquake [Strength]
DStIS21	
DStIS21	
DStIS21	
DStIS22	Dead (min) - Static Earthquake [Strength]
DStIS22	
DStIS22	
DStIS22	
DStIS23	Dead (min) + Static Earthquake [Strength]
DStIS23	
DStIS23	
DStIS23	
DStIS24	Dead (min) - Static Earthquake [Strength]
DStIS24	
DStIS24	
DStIS24	
DStIS25	Dead (min) + Static Earthquake [Strength]
DStIS25	
DStIS25	
DStIS25	
DStIS26	Dead (min) - Static Earthquake [Strength]
DStIS26	
DStIS26	
DStIS26	

Name	Notes
DStlS27	Dead + Live + Response Spectrum [Strength]
DStlS27	
DStlS27	
DStlS27	
DStlS28	Dead + Live + Response Spectrum [Strength]
DStlS28	
DStlS28	
DStlS28	
DStlS29	Dead + Live + Response Spectrum [Strength]
DStlS29	
DStlS29	
DStlS29	
DStlS30	Dead + Live + Response Spectrum [Strength]
DStlS30	
DStlS30	
DStlS30	
DStlS31	Dead (min) + Response Spectrum [Strength]
DStlS31	
DStlS31	
DStlS31	
DStlS32	Dead (min) + Response Spectrum [Strength]
DStlS32	
DStlS32	
DStlS32	
DStlS33	Dead (min) + Response Spectrum [Strength]
DStlS33	
DStlS33	
DStlS33	
DStlS34	Dead (min) + Response Spectrum [Strength]
DStlS34	
DStlS34	
DStlS34	
ELS 0.6D+0.7SX	
ELS 0.6D+0.7SX	
ELS 0.6D+0.7SX	
ELS 0.6D+0.7SY	
ELS 0.6D+0.7SY	
ELS 0.6D+0.7SY	
ELS 0.6D+0.7SY	
ELS 0.6D+1.0H	
ELS 0.6D+1.0H	
ELS 0.6D+1.0H+0.7SX	
ELS 0.6D+1.0H+0.7SX	
ELS 0.6D+1.0H+0.7SX	
ELS 0.6D+1.0H+0.7SY	
ELS 0.6D+1.0H+0.7SY	
ELS 0.6D+1.0H+0.7SY	
ELS 0.6D+1.0W1	
ELS 0.6D+1.0W1	
ELS 0.6D+1.0W1	
ELS 0.6D+1.0W2	
ELS 0.6D+1.0W2	
ELS 0.6D+1.0W2	
ELS 1.0D	
ELS 1.0D	
ELS 1.0D+0.7SX	
ELS 1.0D+0.7SX	
ELS 1.0D+0.7SX	
ELS 1.0D+0.7SY	
ELS 1.0D+0.7SY	
ELS 1.0D+0.7SY	
ELS 1.0D+0.75L	
ELS 1.0D+0.75L	
ELS 1.0D+0.75L	
ELS 1.0D+0.75L	
ELS 1.0D+0.75L+0.525SX	
ELS 1.0D+0.75L+0.525SX	

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

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

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

3 Analysis Results

This chapter provides analysis results.

3.1 Structure Results

Table 3.1 - Base Reactions (Part 1 of 2)

Output Case	Case Type	Step Type	Step Number	Step Label	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m
Dead	LinStatic				0	0	3.19	6.53	-13.99
Live	LinStatic				0	0	1.57	3.83	-6.68
SX	LinRespSpec	Max			3.21	0.06	0	0.32	16.52
SY	LinRespSpec	Max			0.06	3.2	0	16.5	0.31
SXEST	LinStatic				-4.01	0	0	0	-20.64
SYEST	LinStatic				0	-4.01	0	20.64	0
DS	LinStatic				0	0	2.51	6.12	-10.7
W1	LinStatic				0	-1.65	1.57	11.51	-6.68
W2	LinStatic				0	-1.26	-1.26	2.78	5.35
SX-UMBRAL	LinRespSpec	Max			0.61	0.01	0	0.06	3.15
SY-UMBRAL	LinRespSpec	Max			0.01	0.62	0	3.17	0.06
SX-UMBRAL-EST	LinStatic				-0.69	0	0	0	-3.56
SY-UMBRAL-EST	LinStatic				0	-0.69	0	3.56	0
ELS 1.0D	Combination				0	0	5.7	12.66	-24.69
ELS 1.0D+1.0L	Combination				0	0	7.27	16.48	-31.37
ELS 1.0D+0.75L	Combination				0	0	6.88	15.53	-29.7
ELS 1.0D+0.7SX	Combination	Max			2.25	0.04	5.7	12.88	-13.12
ELS 1.0D+0.7SX	Combination	Min			-2.25	-0.04	5.7	12.43	-36.25
ELS 1.0D+0.7SY	Combination	Max			0.04	2.24	5.7	24.21	-24.47
ELS 1.0D+0.7SY	Combination	Min			-0.04	-2.24	5.7	1.1	-24.9
ELS 1.0D+0.75L+0.525SX	Combination	Max			1.68	0.03	6.88	15.69	-21.03
ELS 1.0D+0.75L+0.525SX	Combination	Min			-1.68	-0.03	6.88	15.36	-38.37
ELS 1.0D+0.75L+0.525SY	Combination	Max			0.03	1.68	6.88	24.19	-29.54
ELS 1.0D+0.75L+0.525SY	Combination	Min			-0.03	-1.68	6.88	6.86	-29.86
ELS 0.6D+0.7SX	Combination	Max			2.25	0.04	3.42	7.82	-3.25
ELS 0.6D+0.7SX	Combination	Min			-2.25	-0.04	3.42	7.37	-26.38
ELS 0.6D+0.7SY	Combination	Max			0.04	2.24	3.42	19.15	-14.59
ELS 0.6D+0.7SY	Combination	Min			-0.04	-2.24	3.42	-3.96	-15.03
ELU 1.4D	Combination				0	0	7.99	17.72	-34.56
ELU 1.2D+1.6L	Combination				0	0	9.36	21.31	-40.32
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			3.23	1.02	8.41	24.28	-19.69
ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			-3.23	-1.02	8.41	13.75	-52.92
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			1.02	3.22	8.41	35.61	-31.04
ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			-1.02	-3.22	8.41	2.42	-41.58
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			3.23	1.02	8.41	24.28	-19.69
ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			-3.23	-1.02	8.41	13.75	-52.92
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			1.02	3.22	8.41	35.61	-31.04
ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			-1.02	-3.22	8.41	2.42	-41.58
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			3.23	1.02	8.41	24.28	-19.69
ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			-3.23	-1.02	8.41	13.75	-52.92
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			1.02	3.22	8.41	35.61	-31.04
ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			-1.02	-3.22	8.41	2.42	-41.58
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			3.23	1.02	8.41	24.28	-19.69
ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			-3.23	-1.02	8.41	13.75	-52.92
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			1.02	3.22	8.41	35.61	-31.04
ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			-1.02	-3.22	8.41	2.42	-41.58
ELU 0.9D	Combination				0	0	5.13	11.39	-22.22
ELU 0.9D+1.0SX+0.3SY	Combination	Max			3.23	1.02	5.13	16.66	-5.6
ELU 0.9D+1.0SX+0.3SY	Combination	Min			-3.23	-1.02	5.13	6.12	-38.83
ELU 0.9D+1.0SY+0.3SX	Combination	Max			1.02	3.22	5.13	27.99	-16.95
ELU 0.9D+1.0SY+0.3SX	Combination	Min			-1.02	-3.22	5.13	-5.21	-27.48
ELU 0.9D+1.0SX-0.3SY	Combination	Max			3.23	1.02	5.13	16.66	-5.6
ELU 0.9D+1.0SX-0.3SY	Combination	Min			-3.23	-1.02	5.13	6.12	-38.83

Output Case	Case Type	Step Type	Step Number	Step Label	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m
ELU 0.9D+1.0SY-0.3SX	Combination	Max			1.02	3.22	5.13	27.99	-16.95
ELU 0.9D+1.0SY-0.3SX	Combination	Min			-1.02	-3.22	5.13	-5.21	-27.48
ELU 0.9D-1.0SX+0.3SY	Combination	Max			3.23	1.02	5.13	16.66	-5.6
ELU 0.9D-1.0SX+0.3SY	Combination	Min			-3.23	-1.02	5.13	6.12	-38.83
ELU 0.9D-1.0SY+0.3SX	Combination	Max			1.02	3.22	5.13	27.99	-16.95
ELU 0.9D-1.0SY+0.3SX	Combination	Min			-1.02	-3.22	5.13	-5.21	-27.48
ELU 0.9D-1.0SX-0.3SY	Combination	Max			3.23	1.02	5.13	16.66	-5.6
ELU 0.9D-1.0SX-0.3SY	Combination	Min			-3.23	-1.02	5.13	6.12	-38.83
ELU 0.9D-1.0SY-0.3SX	Combination	Max			1.02	3.22	5.13	27.99	-16.95
ELU 0.9D-1.0SY-0.3SX	Combination	Min			-1.02	-3.22	5.13	-5.21	-27.48
CIM 1.0D	Combination				0	0	5.7	12.66	-24.69
CIM 1.0D+1.0L	Combination				0	0	7.27	16.48	-31.37
CIM 0.6D	Combination				0	0	3.42	7.59	-14.81
CIM 0.6D+0.7SX	Combination	Max			2.25	0.04	3.42	7.82	-3.25
CIM 0.6D+0.7SX	Combination	Min			-2.25	-0.04	3.42	7.37	-26.38
CIM 0.6D+0.7SY	Combination	Max			0.04	2.24	3.42	19.15	-14.59
CIM 0.6D+0.7SY	Combination	Min			-0.04	-2.24	3.42	-3.96	-15.03
CIM 1.0D+0.7SX	Combination	Max			2.25	0.04	5.7	12.88	-13.12
CIM 1.0D+0.7SX	Combination	Min			-2.25	-0.04	5.7	12.43	-36.25
CIM 1.0D+0.7SY	Combination	Max			0.04	2.24	5.7	24.21	-24.47
CIM 1.0D+0.7SY	Combination	Min			-0.04	-2.24	5.7	1.1	-24.9
CIM 1.0D+0.75L+0.5SX	Combination	Max			1.6	0.03	6.88	15.68	-21.44
CIM 1.0D+0.75L+0.5SX	Combination	Min			-1.6	-0.03	6.88	15.37	-37.96
CIM 1.0D+0.75L+0.5SY	Combination	Max			0.03	1.6	6.88	23.78	-29.54
CIM 1.0D+0.75L+0.5SY	Combination	Min			-0.03	-1.6	6.88	7.27	-29.85
DES 1.0D+1.0SX	Combination	Max			3.21	0.06	5.7	12.97	-8.16
DES 1.0D+1.0SX	Combination	Min			-3.21	-0.06	5.7	12.34	-41.21
DES 1.0D+1.0SY	Combination	Max			0.06	3.2	5.7	29.16	-24.38
DES 1.0D+1.0SY	Combination	Min			-0.06	-3.2	5.7	-3.85	-25
DES 1.0D+0.75L+0.75SX	Combination	Max			2.41	0.05	6.88	15.76	-17.31
DES 1.0D+0.75L+0.75SX	Combination	Min			-2.41	-0.05	6.88	15.29	-42.09
DES 1.0D+0.75L+0.75SY	Combination	Max			0.05	2.4	6.88	27.9	-29.47
DES 1.0D+0.75L+0.75SY	Combination	Min			-0.05	-2.4	6.88	3.15	-29.93
DES 0.6D+1.0SX	Combination	Max			3.21	0.06	3.42	7.91	1.71
DES 0.6D+1.0SX	Combination	Min			-3.21	-0.06	3.42	7.28	-31.33
DES 0.6D+1.0SY	Combination	Max			0.06	3.2	3.42	24.1	-14.5
DES 0.6D+1.0SY	Combination	Min			-0.06	-3.2	3.42	-8.91	-15.12
ELS 1.0D+1.0W1	Combination				0	-1.65	7.27	24.17	-31.37
ELS 1.0D+1.0W2	Combination				0	-1.26	4.45	15.44	-19.34
ELS 1.0D+0.75W1+0.75L	Combination				0	-1.24	8.06	24.16	-34.71
ELS 1.0D+0.75W2+0.75L	Combination				0	-0.94	5.94	17.61	-25.69
ELS 0.6D+1.0W1	Combination				0	-1.65	4.99	19.11	-21.5
ELS 0.6D+1.0W2	Combination				0	-1.26	2.17	10.38	-9.46
ELU 1.2D+0.8W1	Combination				0	-1.32	8.1	24.4	-34.97
ELU 1.2D+0.8W2	Combination				0	-1.01	5.84	17.41	-25.35
ELU 0.9D+1.6W1	Combination				0	-2.64	7.65	29.81	-32.91
ELU 0.9D+1.6W2	Combination				0	-2.01	3.12	15.85	-13.66
ELU 1.2D+1.6W1+1.0L	Combination				0	-2.64	10.93	37.44	-47
ELU 1.2D+1.6W2+1.0L	Combination				0	-2.01	6.4	23.47	-27.75
ELS 1.0D+1.0H+1.0L	Combination				0	0	7.27	16.48	-31.37
ELS 1.0D+1.0H	Combination				0	0	5.7	12.66	-24.69
ELS 1.0D+1.0H+0.75L	Combination				0	0	6.88	15.53	-29.7
ELS 1.0D+1.0H+0.7SX	Combination	Max			2.25	0.04	5.7	12.88	-13.12
ELS 1.0D+1.0H+0.7SX	Combination	Min			-2.25	-0.04	5.7	12.43	-36.25
ELS 1.0D+1.0H+0.7SY	Combination	Max			0.04	2.24	5.7	24.21	-24.47
ELS 1.0D+1.0H+0.7SY	Combination	Min			-0.04	-2.24	5.7	1.1	-24.9
ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			1.68	0.03	6.88	15.69	-21.03
ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			-1.68	-0.03	6.88	15.36	-38.37
ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			0.03	1.68	6.88	24.19	-29.54
ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			-0.03	-1.68	6.88	6.86	-29.86

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	3.42	7.59	-14.81
ELS 0.6D+1.0H+0.7SX	Combination	Max			2.25	0.04	3.42	7.82	-3.25
ELS 0.6D+1.0H+0.7SX	Combination	Min			-2.25	-0.04	3.42	7.37	-26.38
ELS 0.6D+1.0H+0.7SY	Combination	Max			0.04	2.24	3.42	19.15	-14.59
ELS 0.6D+1.0H+0.7SY	Combination	Min			-0.04	-2.24	3.42	-3.96	-15.03
ELU 1.2D+1.6H	Combination				0	0	6.84	15.19	-29.62
ELU 0.9D+1.6H	Combination				0	0	5.13	11.39	-22.22
ELU 0.9D+1.6H+1.0SX	Combination	Max			3.21	0.06	5.13	11.71	-5.7
ELU 0.9D+1.6H+1.0SX	Combination	Min			-3.21	-0.06	5.13	11.07	-38.74
ELU 0.9D+1.6H+1.0SY	Combination	Max			0.06	3.2	5.13	27.89	-21.91
ELU 0.9D+1.6H+1.0SY	Combination	Min			-0.06	-3.2	5.13	-5.11	-22.53
DStIS1	Combination				0	0	7.99	17.72	-34.56
DStIS2	Combination				0	0	9.36	21.31	-40.32
DStIS3	Combination				0	-1.65	9.98	30.53	-42.99
DStIS4	Combination				0	1.65	6.84	7.5	-29.62
DStIS5	Combination				0	-1.26	7.16	21.8	-30.96
DStIS6	Combination				0	1.26	9.67	16.23	-41.66
DStIS7	Combination				0	-1.65	6.7	22.9	-28.9
DStIS8	Combination				0	1.65	3.56	-0.12	-15.53
DStIS9	Combination				0	-1.26	3.88	14.17	-16.87
DStIS10	Combination				0	1.26	6.39	8.61	-27.57
DStIS11	Combination				-4.01	0	8.98	20.28	-59.42
DStIS12	Combination				4.01	0	8.98	20.28	-18.13
DStIS13	Combination				0	-4.01	8.98	40.92	-38.78
DStIS14	Combination				0	4.01	8.98	-0.36	-38.78
DStIS15	Combination				-0.69	0	8.98	20.28	-42.33
DStIS16	Combination				0.69	0	8.98	20.28	-35.22
DStIS17	Combination				0	-0.69	8.98	23.84	-38.78
DStIS18	Combination				0	0.69	8.98	16.72	-38.78
DStIS19	Combination				-4.01	0	4.56	10.12	-40.39
DStIS20	Combination				4.01	0	4.56	10.12	0.89
DStIS21	Combination				0	-4.01	4.56	30.77	-19.75
DStIS22	Combination				0	4.01	4.56	-10.52	-19.75
DStIS23	Combination				-0.69	0	4.56	10.12	-23.31
DStIS24	Combination				0.69	0	4.56	10.12	-16.19
DStIS25	Combination				0	-0.69	4.56	13.68	-19.75
DStIS26	Combination				0	0.69	4.56	6.57	-19.75
DStIS27	Combination	Max			3.21	0.06	8.98	20.6	-22.26
DStIS27	Combination	Min			-3.21	-0.06	8.98	19.96	-55.3
DStIS28	Combination	Max			0.06	3.2	8.98	36.78	-38.47
DStIS28	Combination	Min			-0.06	-3.2	8.98	3.78	-39.09
DStIS29	Combination	Max			0.61	0.01	8.98	20.34	-35.63
DStIS29	Combination	Min			-0.61	-0.01	8.98	20.22	-41.93
DStIS30	Combination	Max			0.01	0.62	8.98	23.45	-38.72
DStIS30	Combination	Min			-0.01	-0.62	8.98	17.11	-38.84
DStIS31	Combination	Max			3.21	0.06	4.56	10.44	-3.23
DStIS31	Combination	Min			-3.21	-0.06	4.56	9.81	-36.27
DStIS32	Combination	Max			0.06	3.2	4.56	26.63	-19.44
DStIS32	Combination	Min			-0.06	-3.2	4.56	-6.38	-20.06
DStIS33	Combination	Max			0.61	0.01	4.56	10.19	-16.6
DStIS33	Combination	Min			-0.61	-0.01	4.56	10.06	-22.9
DStIS34	Combination	Max			0.01	0.62	4.56	13.29	-19.69
DStIS34	Combination	Min			-0.01	-0.62	4.56	6.96	-19.81
DStID1	Combination				0	0	5.7	12.66	-24.69
DStID2	Combination				0	0	7.27	16.48	-31.37

Table 3.1 - Base Reactions (Part 2 of 2)

MZ tonf-m	X m	Y m	Z m
-----------	-----	-----	-----

MZ tonf-m	X m	Y m	Z m
0	0	0	0
0	0	0	0
9.04	0	0	0
14.04	0	0	0
9.08	0	0	0
-17.35	0	0	0
0	0	0	0
-7.04	0	0	0
-5.35	0	0	0
1.72	0	0	0
2.7	0	0	0
1.56	0	0	0
-2.99	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
6.33	0	0	0
-6.33	0	0	0
9.83	0	0	0
-9.83	0	0	0
4.75	0	0	0
-4.75	0	0	0
7.37	0	0	0
-7.37	0	0	0
6.33	0	0	0
-6.33	0	0	0
9.83	0	0	0
-9.83	0	0	0
0	0	0	0
0	0	0	0
13.25	0	0	0
-13.25	0	0	0
16.76	0	0	0
-16.76	0	0	0
13.25	0	0	0
-13.25	0	0	0
16.76	0	0	0
-16.76	0	0	0
13.25	0	0	0
-13.25	0	0	0
16.76	0	0	0
-16.76	0	0	0
0	0	0	0
13.25	0	0	0
-13.25	0	0	0
16.76	0	0	0
-16.76	0	0	0
13.25	0	0	0
-13.25	0	0	0
16.76	0	0	0
-16.76	0	0	0
13.25	0	0	0
-13.25	0	0	0
16.76	0	0	0
-16.76	0	0	0
13.25	0	0	0

MZ tonf-m	X m	Y m	Z m
-13.25	0	0	0
16.76	0	0	0
-16.76	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
6.33	0	0	0
-6.33	0	0	0
9.83	0	0	0
-9.83	0	0	0
6.33	0	0	0
-6.33	0	0	0
9.83	0	0	0
-9.83	0	0	0
4.52	0	0	0
-4.52	0	0	0
7.02	0	0	0
-7.02	0	0	0
9.04	0	0	0
-9.04	0	0	0
14.04	0	0	0
-14.04	0	0	0
6.78	0	0	0
-6.78	0	0	0
10.53	0	0	0
-10.53	0	0	0
9.04	0	0	0
-9.04	0	0	0
14.04	0	0	0
-14.04	0	0	0
-7.04	0	0	0
-5.35	0	0	0
-5.28	0	0	0
-4.01	0	0	0
-7.04	0	0	0
-5.35	0	0	0
-5.63	0	0	0
-4.28	0	0	0
-11.26	0	0	0
-8.56	0	0	0
-11.26	0	0	0
-8.56	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
6.33	0	0	0
-6.33	0	0	0
9.83	0	0	0
-9.83	0	0	0
4.75	0	0	0
-4.75	0	0	0
7.37	0	0	0
-7.37	0	0	0
0	0	0	0
6.33	0	0	0
-6.33	0	0	0
9.83	0	0	0
-9.83	0	0	0
0	0	0	0
0	0	0	0

MZ tonf-m	X m	Y m	Z m
9.04	0	0	0
-9.04	0	0	0
14.04	0	0	0
-14.04	0	0	0
0	0	0	0
0	0	0	0
-7.04	0	0	0
7.04	0	0	0
-5.35	0	0	0
5.35	0	0	0
-7.04	0	0	0
7.04	0	0	0
-5.35	0	0	0
5.35	0	0	0
9.08	0	0	0
-9.08	0	0	0
-17.35	0	0	0
17.35	0	0	0
1.56	0	0	0
-1.56	0	0	0
-2.99	0	0	0
2.99	0	0	0
9.08	0	0	0
-9.08	0	0	0
-17.35	0	0	0
17.35	0	0	0
1.56	0	0	0
-1.56	0	0	0
-2.99	0	0	0
2.99	0	0	0
9.04	0	0	0
-9.04	0	0	0
14.04	0	0	0
-14.04	0	0	0
1.72	0	0	0
-1.72	0	0	0
2.7	0	0	0
-2.7	0	0	0
9.04	0	0	0
-9.04	0	0	0
14.04	0	0	0
-14.04	0	0	0
1.72	0	0	0
-1.72	0	0	0
2.7	0	0	0
-2.7	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/
Story1	Dead	LinStatic				X	7E-06	
Story1	Dead	LinStatic				Y	1.4E-05	
Story1	Live	LinStatic				Y	1.1E-05	
Story1	SX	LinRespSpec	Max			X	0.006984	
Story1	SX	LinRespSpec	Max			Y	0.001329	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	SY	LinRespSpec	Max			Y	0.006392	
Story1	SXEST	LinStatic				X	0.008372	
Story1	SYEST	LinStatic				Y	0.00791	
Story1	DS	LinStatic				Y	1.8E-05	
Story1	W1	LinStatic				Y	0.00321	
Story1	W2	LinStatic				Y	0.002427	
Story1	SX-UMBRAL	LinRespSpec	Max			X	0.001332	
Story1	SX-UMBRAL	LinRespSpec	Max			Y	0.000253	
Story1	SY-UMBRAL	LinRespSpec	Max			Y	0.001227	
Story1	SX-UMBRAL-EST	LinStatic				X	0.001443	
Story1	SY-UMBRAL-EST	LinStatic				Y	0.001363	
Story1	ELS 1.0D	Combination				Y	2.9E-05	
Story1	ELS 1.0D+1.0L	Combination				Y	4E-05	
Story1	ELS 1.0D+0.75L	Combination				Y	3.7E-05	
Story1	ELS 1.0D+0.7SX	Combination	Max			X	0.004903	
Story1	ELS 1.0D+0.7SX	Combination	Max			Y	0.000958	
Story1	ELS 1.0D+0.7SX	Combination	Min			X	0.004901	
Story1	ELS 1.0D+0.7SX	Combination	Min			Y	0.000902	
Story1	ELS 1.0D+0.7SY	Combination	Max			Y	0.004504	
Story1	ELS 1.0D+0.7SY	Combination	Min			Y	0.004446	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Max			X	0.003685	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Max			Y	0.000734	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Min			X	0.003682	
Story1	ELS 1.0D+0.75L+0.525SX	Combination	Min			Y	0.000662	
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Max			Y	0.003392	
Story1	ELS 1.0D+0.75L+0.525SY	Combination	Min			Y	0.00332	
Story1	ELS 0.6D+0.7SX	Combination	Max			X	0.004897	
Story1	ELS 0.6D+0.7SX	Combination	Max			Y	0.000947	
Story1	ELS 0.6D+0.7SX	Combination	Min			X	0.004896	
Story1	ELS 0.6D+0.7SX	Combination	Min			Y	0.000913	
Story1	ELS 0.6D+0.7SY	Combination	Max			Y	0.004492	
Story1	ELS 0.6D+0.7SY	Combination	Min			Y	0.004457	
Story1	ELU 1.4D	Combination				Y	4.1E-05	
Story1	ELU 1.2D+1.6L	Combination				Y	5.2E-05	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			X	0.007048	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			Y	0.003248	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			X	0.007044	
Story1	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			Y	0.00316	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			X	0.002258	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			Y	0.006822	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			X	0.002251	
Story1	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			Y	0.006734	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			X	0.007048	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			Y	0.003248	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			X	0.007044	
Story1	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			Y	0.00316	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			X	0.002258	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			Y	0.006822	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			X	0.002251	
Story1	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			Y	0.006734	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			X	0.007048	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			Y	0.003248	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			X	0.007044	
Story1	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			Y	0.00316	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			X	0.002258	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			Y	0.006822	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			X	0.002251	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			Y	0.006734	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			X	0.007048	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			Y	0.003248	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			X	0.007044	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			Y	0.00316	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			X	0.002258	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			Y	0.006822	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			X	0.002251	
Story1	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			Y	0.006734	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			X	0.007048	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			Y	0.003248	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			X	0.007044	
Story1	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			Y	0.00316	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			X	0.002258	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			Y	0.006822	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			X	0.002251	
Story1	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			Y	0.006734	
Story1	ELU 0.9D	Combination				Y	2.6E-05	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			X	0.007038	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Max			Y	0.00323	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			X	0.007036	
Story1	ELU 0.9D+1.0SX+0.3SY	Combination	Min			Y	0.003179	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			X	0.002248	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Max			Y	0.006804	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			X	0.002243	
Story1	ELU 0.9D+1.0SY+0.3SX	Combination	Min			Y	0.006752	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			X	0.007038	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Max			Y	0.00323	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			X	0.007036	
Story1	ELU 0.9D+1.0SX-0.3SY	Combination	Min			Y	0.003179	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			X	0.002248	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Max			Y	0.006804	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			X	0.002243	
Story1	ELU 0.9D+1.0SY-0.3SX	Combination	Min			Y	0.006752	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			X	0.007038	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Max			Y	0.00323	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			X	0.007036	
Story1	ELU 0.9D-1.0SX+0.3SY	Combination	Min			Y	0.003179	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			X	0.002248	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Max			Y	0.006804	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			X	0.002243	
Story1	ELU 0.9D-1.0SY+0.3SX	Combination	Min			Y	0.006752	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			X	0.007038	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Max			Y	0.00323	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			X	0.007036	
Story1	ELU 0.9D-1.0SX-0.3SY	Combination	Min			Y	0.003179	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			X	0.002248	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Max			Y	0.006804	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			X	0.002243	
Story1	ELU 0.9D-1.0SY-0.3SX	Combination	Min			Y	0.006752	
Story1	CIM 1.0D	Combination				Y	2.9E-05	
Story1	CIM 1.0D+1.0L	Combination				Y	4E-05	
Story1	CIM 0,6D	Combination				Y	1.7E-05	
Story1	CIM 0,6D+0.7SX	Combination	Max			X	0.004897	
Story1	CIM 0,6D+0.7SX	Combination	Max			Y	0.000947	
Story1	CIM 0,6D+0.7SX	Combination	Min			X	0.004896	
Story1	CIM 0,6D+0.7SX	Combination	Min			Y	0.000913	
Story1	CIM 0,6D+0.7SY	Combination	Max			Y	0.004492	
Story1	CIM 0,6D+0.7SY	Combination	Min			Y	0.004457	
Story1	CIM 1.0D+0.7SX	Combination	Max			X	0.004903	
Story1	CIM 1.0D+0.7SX	Combination	Max			Y	0.000958	
Story1	CIM 1.0D+0.7SX	Combination	Min			X	0.004901	
Story1	CIM 1.0D+0.7SX	Combination	Min			Y	0.000902	
Story1	CIM 1.0D+0.7SY	Combination	Max			Y	0.004504	
Story1	CIM 1.0D+0.7SY	Combination	Min			Y	0.004446	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Max			X	0.003511	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Max			Y	0.000701	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Min			X	0.003507	
Story1	CIM 1.0D+0.75L+0.5SX	Combination	Min			Y	0.000629	
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Max			Y	0.003232	
Story1	CIM 1.0D+0.75L+0.5SY	Combination	Min			Y	0.00316	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	DES 1.0D+1.0SX	Combination	Max			X	0.006997	
Story1	DES 1.0D+1.0SX	Combination	Max			Y	0.001357	
Story1	DES 1.0D+1.0SX	Combination	Min			X	0.006996	
Story1	DES 1.0D+1.0SX	Combination	Min			Y	0.0013	
Story1	DES 1.0D+1.0SY	Combination	Max			Y	0.006421	
Story1	DES 1.0D+1.0SY	Combination	Min			Y	0.006363	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Max			X	0.005256	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Max			Y	0.001033	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Min			X	0.005253	
Story1	DES 1.0D+0.75L+0.75SX	Combination	Min			Y	0.000961	
Story1	DES 1.0D+0.75L+0.75SY	Combination	Max			Y	0.00483	
Story1	DES 1.0D+0.75L+0.75SY	Combination	Min			Y	0.004758	
Story1	DES 0.6D+1.0SX	Combination	Max			X	0.006991	
Story1	DES 0.6D+1.0SX	Combination	Max			Y	0.001346	
Story1	DES 0.6D+1.0SX	Combination	Min			X	0.006991	
Story1	DES 0.6D+1.0SX	Combination	Min			Y	0.001312	
Story1	DES 0.6D+1.0SY	Combination	Max			Y	0.00641	
Story1	DES 0.6D+1.0SY	Combination	Min			Y	0.006375	
Story1	ELS 1.0D+1.0W1	Combination				Y	0.003239	
Story1	ELS 1.0D+1.0W2	Combination				Y	0.002455	
Story1	ELS 1.0D+0.75W1+0.75L	Combination				Y	0.002444	
Story1	ELS 1.0D+0.75W2+0.75L	Combination				Y	0.001856	
Story1	ELS 0.6D+1.0W1	Combination				Y	0.003227	
Story1	ELS 0.6D+1.0W2	Combination				Y	0.002444	
Story1	ELU 1.2D+0.8W1	Combination				Y	0.002602	
Story1	ELU 1.2D+0.8W2	Combination				Y	0.001976	
Story1	ELU 0.9D+1.6W1	Combination				Y	0.005162	
Story1	ELU 0.9D+1.6W2	Combination				Y	0.003908	
Story1	ELU 1.2D+1.6W1+1.0L	Combination				Y	0.005182	
Story1	ELU 1.2D+1.6W2+1.0L	Combination				Y	0.003927	
Story1	ELS 1.0D+1.0H+1.0L	Combination				Y	4E-05	
Story1	ELS 1.0D+1.0H	Combination				Y	2.9E-05	
Story1	ELS 1.0D+1.0H+0.75L	Combination				Y	3.7E-05	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Max			X	0.004903	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Max			Y	0.000958	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Min			X	0.004901	
Story1	ELS 1.0D+1.0H+0.7SX	Combination	Min			Y	0.000902	
Story1	ELS 1.0D+1.0H+0.7SY	Combination	Max			Y	0.004504	
Story1	ELS 1.0D+1.0H+0.7SY	Combination	Min			Y	0.004446	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			X	0.003685	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			Y	0.000734	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			X	0.003682	
Story1	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			Y	0.000662	
Story1	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			Y	0.003392	
Story1	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			Y	0.00332	
Story1	ELS 0.6D+1.0H	Combination				Y	1.7E-05	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Max			X	0.004897	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Max			Y	0.000947	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Min			X	0.004896	
Story1	ELS 0.6D+1.0H+0.7SX	Combination	Min			Y	0.000913	
Story1	ELS 0.6D+1.0H+0.7SY	Combination	Max			Y	0.004492	
Story1	ELS 0.6D+1.0H+0.7SY	Combination	Min			Y	0.004457	
Story1	ELU 1.2D+1.6H	Combination				Y	3.5E-05	
Story1	ELU 0.9D+1.6H	Combination				Y	2.6E-05	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Max			X	0.006996	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Max			Y	0.001354	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Min			X	0.006995	
Story1	ELU 0.9D+1.6H+1.0SX	Combination	Min			Y	0.001303	
Story1	ELU 0.9D+1.6H+1.0SY	Combination	Max			Y	0.006418	
Story1	ELU 0.9D+1.6H+1.0SY	Combination	Min			Y	0.006366	

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Drift	Drift/
Story1	DStIS1	Combination				Y	4.1E-05	
Story1	DStIS2	Combination				Y	5.2E-05	
Story1	DStIS3	Combination				Y	0.003255	
Story1	DStIS4	Combination				Y	0.003165	
Story1	DStIS5	Combination				Y	0.002471	
Story1	DStIS6	Combination				Y	0.002383	
Story1	DStIS7	Combination				Y	0.003236	
Story1	DStIS8	Combination				Y	0.003185	
Story1	DStIS9	Combination				Y	0.002453	
Story1	DStIS10	Combination				Y	0.002401	
Story1	DStIS11	Combination				X	0.008395	
Story1	DStIS12	Combination				X	0.008392	
Story1	DStIS13	Combination				Y	0.007957	
Story1	DStIS14	Combination				Y	0.007862	
Story1	DStIS15	Combination				X	0.001468	
Story1	DStIS16	Combination				X	0.001463	
Story1	DStIS17	Combination				Y	0.00141	
Story1	DStIS18	Combination				Y	0.001317	
Story1	DStIS19	Combination				X	0.008382	
Story1	DStIS20	Combination				X	0.008381	
Story1	DStIS21	Combination				Y	0.007933	
Story1	DStIS22	Combination				Y	0.007886	
Story1	DStIS23	Combination				X	0.001455	
Story1	DStIS24	Combination				X	0.001452	
Story1	DStIS25	Combination				Y	0.001386	
Story1	DStIS26	Combination				Y	0.001341	
Story1	DStIS27	Combination	Max			X	0.007008	
Story1	DStIS27	Combination	Max			Y	0.001377	
Story1	DStIS27	Combination	Min			X	0.007004	
Story1	DStIS27	Combination	Min			Y	0.001282	
Story1	DStIS28	Combination	Max			Y	0.00644	
Story1	DStIS28	Combination	Min			Y	0.006345	
Story1	DStIS29	Combination	Max			X	0.001357	
Story1	DStIS29	Combination	Max			Y	0.000302	
Story1	DStIS29	Combination	Min			X	0.001352	
Story1	DStIS29	Combination	Min			Y	0.000208	
Story1	DStIS30	Combination	Max			Y	0.001275	
Story1	DStIS30	Combination	Min			Y	0.001181	
Story1	DStIS31	Combination	Max			X	0.006994	
Story1	DStIS31	Combination	Max			Y	0.001351	
Story1	DStIS31	Combination	Min			X	0.006993	
Story1	DStIS31	Combination	Min			Y	0.001306	
Story1	DStIS32	Combination	Max			Y	0.006415	
Story1	DStIS32	Combination	Min			Y	0.006369	
Story1	DStIS33	Combination	Max			X	0.001344	
Story1	DStIS33	Combination	Max			Y	0.000276	
Story1	DStIS33	Combination	Min			X	0.001342	
Story1	DStIS33	Combination	Min			Y	0.000231	
Story1	DStIS34	Combination	Max			Y	0.00125	
Story1	DStIS34	Combination	Min			Y	0.001205	
Story1	DStID1	Combination				Y	2.9E-05	
Story1	DStID2	Combination				Y	4E-05	

Table 3.2 - Story Drifts (Part 2 of 2)

Story	Label	X m	Y m	Z m
Story1	5	0	0.2	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15

Story	Label	X m	Y m	Z m
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	5	0	0.2	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15
Story1	5	0	0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	10	0	3.355	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15
Story1	6	0	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15

Story	Label	X m	Y m	Z m
Story1	6	0	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15
Story1	6	0	3.755	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	10	0	3.355	5.15

Story	Label	X m	Y m	Z m
Story1	8	8.514	3.755	5.15
Story1	12	8.514	3.355	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	10	0	3.355	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	10	0	3.355	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	6	0	3.755	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15

Story	Label	X m	Y m	Z m
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15
Story1	9	0	-0.2	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	10	0	3.355	5.15
Story1	9	0	-0.2	5.15
Story1	9	0	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	10	0	3.355	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	12	8.514	3.355	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	10	0	3.355	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	10	0	3.355	5.15
Story1	8	8.514	3.755	5.15
Story1	12	8.514	3.355	5.15
Story1	6	0	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	9	0	-0.2	5.15
Story1	8	8.514	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	6	0	3.755	5.15
Story1	6	0	3.755	5.15
Story1	8	8.514	3.755	5.15
Story1	10	0	3.355	5.15
Story1	8	8.514	3.755	5.15
Story1	11	8.514	-0.2	5.15
Story1	6	0	3.755	5.15
Story1	5	0	0.2	5.15

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
Story1	Top	Dead	LinStatic				1.22	0

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	Dead	LinStatic				3.19	0
Story1	Top	Live	LinStatic				1.57	0
Story1	Bottom	Live	LinStatic				1.57	0
Story1	Top	SX	LinRespSpec	Max			0	3.21
Story1	Bottom	SX	LinRespSpec	Max			0	3.21
Story1	Top	SY	LinRespSpec	Max			0	0.06
Story1	Bottom	SY	LinRespSpec	Max			0	0.06
Story1	Top	SXEST	LinStatic				0	-4.01
Story1	Bottom	SXEST	LinStatic				0	-4.01
Story1	Top	SYEST	LinStatic				0	0
Story1	Bottom	SYEST	LinStatic				0	0
Story1	Top	DS	LinStatic				2.51	0
Story1	Bottom	DS	LinStatic				2.51	0
Story1	Top	W1	LinStatic				1.57	0
Story1	Bottom	W1	LinStatic				1.57	0
Story1	Top	W2	LinStatic				-1.26	0
Story1	Bottom	W2	LinStatic				-1.26	0
Story1	Top	SX-UMBRAL	LinRespSpec	Max			0	0.61
Story1	Bottom	SX-UMBRAL	LinRespSpec	Max			0	0.61
Story1	Top	SY-UMBRAL	LinRespSpec	Max			0	0.01
Story1	Bottom	SY-UMBRAL	LinRespSpec	Max			0	0.01
Story1	Top	SX-UMBRAL-EST	LinStatic				0	-0.69
Story1	Bottom	SX-UMBRAL-EST	LinStatic				0	-0.69
Story1	Top	SY-UMBRAL-EST	LinStatic				0	0
Story1	Bottom	SY-UMBRAL-EST	LinStatic				0	0
Story1	Top	ELS 1.0D	Combination				3.74	0
Story1	Bottom	ELS 1.0D	Combination				5.7	0
Story1	Top	ELS 1.0D+1.0L	Combination				5.31	0
Story1	Bottom	ELS 1.0D+1.0L	Combination				7.27	0
Story1	Top	ELS 1.0D+0.75L	Combination				4.91	0
Story1	Bottom	ELS 1.0D+0.75L	Combination				6.88	0
Story1	Top	ELS 1.0D+0.7SX	Combination	Max			3.74	2.25
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Max			5.7	2.25
Story1	Top	ELS 1.0D+0.7SX	Combination	Min			3.74	-2.25
Story1	Bottom	ELS 1.0D+0.7SX	Combination	Min			5.7	-2.25
Story1	Top	ELS 1.0D+0.7SY	Combination	Max			3.74	0.04
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Max			5.7	0.04
Story1	Top	ELS 1.0D+0.7SY	Combination	Min			3.74	-0.04
Story1	Bottom	ELS 1.0D+0.7SY	Combination	Min			5.7	-0.04
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Max			4.91	1.68
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Max			6.88	1.68
Story1	Top	ELS 1.0D+0.75L+0.525SX	Combination	Min			4.91	-1.68
Story1	Bottom	ELS 1.0D+0.75L+0.525SX	Combination	Min			6.88	-1.68
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Max			4.91	0.03
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Max			6.88	0.03
Story1	Top	ELS 1.0D+0.75L+0.525SY	Combination	Min			4.91	-0.03
Story1	Bottom	ELS 1.0D+0.75L+0.525SY	Combination	Min			6.88	-0.03
Story1	Top	ELS 0.6D+0.7SX	Combination	Max			2.24	2.25
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Max			3.42	2.25
Story1	Top	ELS 0.6D+0.7SX	Combination	Min			2.24	-2.25
Story1	Bottom	ELS 0.6D+0.7SX	Combination	Min			3.42	-2.25
Story1	Top	ELS 0.6D+0.7SY	Combination	Max			2.24	0.04
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Max			3.42	0.04
Story1	Top	ELS 0.6D+0.7SY	Combination	Min			2.24	-0.04
Story1	Bottom	ELS 0.6D+0.7SY	Combination	Min			3.42	-0.04
Story1	Top	ELU 1.4D	Combination				5.23	0
Story1	Bottom	ELU 1.4D	Combination				7.99	0
Story1	Top	ELU 1.2D+1.6L	Combination				7	0
Story1	Bottom	ELU 1.2D+1.6L	Combination				9.36	0
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			6.05	3.23

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Max			8.41	3.23
Story1	Top	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			6.05	-3.23
Story1	Bottom	ELU 1.2D+1.0L+1.0SX+0.3SY	Combination	Min			8.41	-3.23
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			6.05	1.02
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Max			8.41	1.02
Story1	Top	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			6.05	-1.02
Story1	Bottom	ELU 1.2D+1.0L+1.0SY+0.3SX	Combination	Min			8.41	-1.02
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			6.05	3.23
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Max			8.41	3.23
Story1	Top	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			6.05	-3.23
Story1	Bottom	ELU 1.2D+1.0L+1.0SX-0.3SY	Combination	Min			8.41	-3.23
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			6.05	1.02
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Max			8.41	1.02
Story1	Top	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			6.05	-1.02
Story1	Bottom	ELU 1.2D+1.0L+1.0SY-0.3SX	Combination	Min			8.41	-1.02
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			6.05	3.23
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Max			8.41	3.23
Story1	Top	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			6.05	-3.23
Story1	Bottom	ELU 1.2D+1.0L-1.0SX+0.3SY	Combination	Min			8.41	-3.23
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			6.05	1.02
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Max			8.41	1.02
Story1	Top	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			6.05	-1.02
Story1	Bottom	ELU 1.2D+1.0L-1.0SY+0.3SX	Combination	Min			8.41	-1.02
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			6.05	3.23
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Max			8.41	3.23
Story1	Top	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			6.05	-3.23
Story1	Bottom	ELU 1.2D+1.0L-1.0SX-0.3SY	Combination	Min			8.41	-3.23
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			6.05	1.02
Story1	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Max			8.41	1.02
Story1	Top	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			6.05	-1.02
Story1	Bottom	ELU 1.2D+1.0L-1.0SY-0.3SX	Combination	Min			8.41	-1.02
Story1	Top	ELU 0.9D	Combination				3.36	0
Story1	Bottom	ELU 0.9D	Combination				5.13	0
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Max			3.36	3.23
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Max			5.13	3.23
Story1	Top	ELU 0.9D+1.0SX+0.3SY	Combination	Min			3.36	-3.23
Story1	Bottom	ELU 0.9D+1.0SX+0.3SY	Combination	Min			5.13	-3.23
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Max			3.36	1.02
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Max			5.13	1.02
Story1	Top	ELU 0.9D+1.0SY+0.3SX	Combination	Min			3.36	-1.02
Story1	Bottom	ELU 0.9D+1.0SY+0.3SX	Combination	Min			5.13	-1.02
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Max			3.36	3.23
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Max			5.13	3.23
Story1	Top	ELU 0.9D+1.0SX-0.3SY	Combination	Min			3.36	-3.23
Story1	Bottom	ELU 0.9D+1.0SX-0.3SY	Combination	Min			5.13	-3.23
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Max			3.36	1.02
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Max			5.13	1.02
Story1	Top	ELU 0.9D+1.0SY-0.3SX	Combination	Min			3.36	-1.02
Story1	Bottom	ELU 0.9D+1.0SY-0.3SX	Combination	Min			5.13	-1.02
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Max			3.36	3.23
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Max			5.13	3.23
Story1	Top	ELU 0.9D-1.0SX+0.3SY	Combination	Min			3.36	-3.23
Story1	Bottom	ELU 0.9D-1.0SX+0.3SY	Combination	Min			5.13	-3.23
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Max			3.36	1.02
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Max			5.13	1.02
Story1	Top	ELU 0.9D-1.0SY+0.3SX	Combination	Min			3.36	-1.02
Story1	Bottom	ELU 0.9D-1.0SY+0.3SX	Combination	Min			5.13	-1.02
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Max			3.36	3.23
Story1	Bottom	ELU 0.9D-1.0SX-0.3SY	Combination	Max			5.13	3.23
Story1	Top	ELU 0.9D-1.0SX-0.3SY	Combination	Min			3.36	-3.23

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	Min			5.13	-3.23
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Max			3.36	1.02
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Max			5.13	1.02
Story1	Top	ELU 0.9D-1.0SY-0.3SX	Combination	Min			3.36	-1.02
Story1	Bottom	ELU 0.9D-1.0SY-0.3SX	Combination	Min			5.13	-1.02
Story1	Top	CIM 1.0D	Combination				3.74	0
Story1	Bottom	CIM 1.0D	Combination				5.7	0
Story1	Top	CIM 1.0D+1.0L	Combination				5.31	0
Story1	Bottom	CIM 1.0D+1.0L	Combination				7.27	0
Story1	Top	CIM 0,6D	Combination				2.24	0
Story1	Bottom	CIM 0,6D	Combination				3.42	0
Story1	Top	CIM 0,6D+0.7SX	Combination	Max			2.24	2.25
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Max			3.42	2.25
Story1	Top	CIM 0,6D+0.7SX	Combination	Min			2.24	-2.25
Story1	Bottom	CIM 0,6D+0.7SX	Combination	Min			3.42	-2.25
Story1	Top	CIM 0,6D+0.7SY	Combination	Max			2.24	0.04
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Max			3.42	0.04
Story1	Top	CIM 0,6D+0.7SY	Combination	Min			2.24	-0.04
Story1	Bottom	CIM 0,6D+0.7SY	Combination	Min			3.42	-0.04
Story1	Top	CIM 1.0D+0.7SX	Combination	Max			3.74	2.25
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Max			5.7	2.25
Story1	Top	CIM 1.0D+0.7SX	Combination	Min			3.74	-2.25
Story1	Bottom	CIM 1.0D+0.7SX	Combination	Min			5.7	-2.25
Story1	Top	CIM 1.0D+0.7SY	Combination	Max			3.74	0.04
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Max			5.7	0.04
Story1	Top	CIM 1.0D+0.7SY	Combination	Min			3.74	-0.04
Story1	Bottom	CIM 1.0D+0.7SY	Combination	Min			5.7	-0.04
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Max			4.91	1.6
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Max			6.88	1.6
Story1	Top	CIM 1.0D+0.75L+0.5SX	Combination	Min			4.91	-1.6
Story1	Bottom	CIM 1.0D+0.75L+0.5SX	Combination	Min			6.88	-1.6
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Max			4.91	0.03
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Max			6.88	0.03
Story1	Top	CIM 1.0D+0.75L+0.5SY	Combination	Min			4.91	-0.03
Story1	Bottom	CIM 1.0D+0.75L+0.5SY	Combination	Min			6.88	-0.03
Story1	Top	DES 1.0D+1.0SX	Combination	Max			3.74	3.21
Story1	Bottom	DES 1.0D+1.0SX	Combination	Max			5.7	3.21
Story1	Top	DES 1.0D+1.0SX	Combination	Min			3.74	-3.21
Story1	Bottom	DES 1.0D+1.0SX	Combination	Min			5.7	-3.21
Story1	Top	DES 1.0D+1.0SY	Combination	Max			3.74	0.06
Story1	Bottom	DES 1.0D+1.0SY	Combination	Max			5.7	0.06
Story1	Top	DES 1.0D+1.0SY	Combination	Min			3.74	-0.06
Story1	Bottom	DES 1.0D+1.0SY	Combination	Min			5.7	-0.06
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Max			4.91	2.41
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Max			6.88	2.41
Story1	Top	DES 1.0D+0.75L+0.75SX	Combination	Min			4.91	-2.41
Story1	Bottom	DES 1.0D+0.75L+0.75SX	Combination	Min			6.88	-2.41
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Max			4.91	0.05
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Max			6.88	0.05
Story1	Top	DES 1.0D+0.75L+0.75SY	Combination	Min			4.91	-0.05
Story1	Bottom	DES 1.0D+0.75L+0.75SY	Combination	Min			6.88	-0.05
Story1	Top	DES 0.6D+1.0SX	Combination	Max			2.24	3.21
Story1	Bottom	DES 0.6D+1.0SX	Combination	Max			3.42	3.21
Story1	Top	DES 0.6D+1.0SX	Combination	Min			2.24	-3.21
Story1	Bottom	DES 0.6D+1.0SX	Combination	Min			3.42	-3.21
Story1	Top	DES 0.6D+1.0SY	Combination	Max			2.24	0.06
Story1	Bottom	DES 0.6D+1.0SY	Combination	Max			3.42	0.06
Story1	Top	DES 0.6D+1.0SY	Combination	Min			2.24	-0.06
Story1	Bottom	DES 0.6D+1.0SY	Combination	Min			3.42	-0.06
Story1	Top	ELS 1.0D+1.0W1	Combination				5.31	0

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	ELS 1.0D+1.0W1	Combination				7.27	0
Story1	Top	ELS 1.0D+1.0W2	Combination				2.48	0
Story1	Bottom	ELS 1.0D+1.0W2	Combination				4.45	0
Story1	Top	ELS 1.0D+0.75W1+0.75L	Combination				6.09	0
Story1	Bottom	ELS 1.0D+0.75W1+0.75L	Combination				8.06	0
Story1	Top	ELS 1.0D+0.75W2+0.75L	Combination				3.97	0
Story1	Bottom	ELS 1.0D+0.75W2+0.75L	Combination				5.94	0
Story1	Top	ELS 0.6D+1.0W1	Combination				3.81	0
Story1	Bottom	ELS 0.6D+1.0W1	Combination				4.99	0
Story1	Top	ELS 0.6D+1.0W2	Combination				0.99	0
Story1	Bottom	ELS 0.6D+1.0W2	Combination				2.17	0
Story1	Top	ELU 1.2D+0.8W1	Combination				5.74	0
Story1	Bottom	ELU 1.2D+0.8W1	Combination				8.1	0
Story1	Top	ELU 1.2D+0.8W2	Combination				3.48	0
Story1	Bottom	ELU 1.2D+0.8W2	Combination				5.84	0
Story1	Top	ELU 0.9D+1.6W1	Combination				5.87	0
Story1	Bottom	ELU 0.9D+1.6W1	Combination				7.65	0
Story1	Top	ELU 0.9D+1.6W2	Combination				1.35	0
Story1	Bottom	ELU 0.9D+1.6W2	Combination				3.12	0
Story1	Top	ELU 1.2D+1.6W1+1.0L	Combination				8.57	0
Story1	Bottom	ELU 1.2D+1.6W1+1.0L	Combination				10.93	0
Story1	Top	ELU 1.2D+1.6W2+1.0L	Combination				4.04	0
Story1	Bottom	ELU 1.2D+1.6W2+1.0L	Combination				6.4	0
Story1	Top	ELS 1.0D+1.0H+1.0L	Combination				5.31	0
Story1	Bottom	ELS 1.0D+1.0H+1.0L	Combination				7.27	0
Story1	Top	ELS 1.0D+1.0H	Combination				3.74	0
Story1	Bottom	ELS 1.0D+1.0H	Combination				5.7	0
Story1	Top	ELS 1.0D+1.0H+0.75L	Combination				4.91	0
Story1	Bottom	ELS 1.0D+1.0H+0.75L	Combination				6.88	0
Story1	Top	ELS 1.0D+1.0H+0.7SX	Combination	Max			3.74	2.25
Story1	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Max			5.7	2.25
Story1	Top	ELS 1.0D+1.0H+0.7SX	Combination	Min			3.74	-2.25
Story1	Bottom	ELS 1.0D+1.0H+0.7SX	Combination	Min			5.7	-2.25
Story1	Top	ELS 1.0D+1.0H+0.7SY	Combination	Max			3.74	0.04
Story1	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Max			5.7	0.04
Story1	Top	ELS 1.0D+1.0H+0.7SY	Combination	Min			3.74	-0.04
Story1	Bottom	ELS 1.0D+1.0H+0.7SY	Combination	Min			5.7	-0.04
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			4.91	1.68
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Max			6.88	1.68
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			4.91	-1.68
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SX	Combination	Min			6.88	-1.68
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			4.91	0.03
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Max			6.88	0.03
Story1	Top	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			4.91	-0.03
Story1	Bottom	ELS 1.0D+1.0H+0.75L+0.525SY	Combination	Min			6.88	-0.03
Story1	Top	ELS 0.6D+1.0H	Combination				2.24	0
Story1	Bottom	ELS 0.6D+1.0H	Combination				3.42	0
Story1	Top	ELS 0.6D+1.0H+0.7SX	Combination	Max			2.24	2.25
Story1	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Max			3.42	2.25
Story1	Top	ELS 0.6D+1.0H+0.7SX	Combination	Min			2.24	-2.25
Story1	Bottom	ELS 0.6D+1.0H+0.7SX	Combination	Min			3.42	-2.25
Story1	Top	ELS 0.6D+1.0H+0.7SY	Combination	Max			2.24	0.04
Story1	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Max			3.42	0.04
Story1	Top	ELS 0.6D+1.0H+0.7SY	Combination	Min			2.24	-0.04
Story1	Bottom	ELS 0.6D+1.0H+0.7SY	Combination	Min			3.42	-0.04
Story1	Top	ELU 1.2D+1.6H	Combination				4.48	0
Story1	Bottom	ELU 1.2D+1.6H	Combination				6.84	0
Story1	Top	ELU 0.9D+1.6H	Combination				3.36	0
Story1	Bottom	ELU 0.9D+1.6H	Combination				5.13	0
Story1	Top	ELU 0.9D+1.6H+1.0SX	Combination	Max			3.36	3.21

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Max			5.13	3.21
Story1	Top	ELU 0.9D+1.6H+1.0SX	Combination	Min			3.36	-3.21
Story1	Bottom	ELU 0.9D+1.6H+1.0SX	Combination	Min			5.13	-3.21
Story1	Top	ELU 0.9D+1.6H+1.0SY	Combination	Max			3.36	0.06
Story1	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Max			5.13	0.06
Story1	Top	ELU 0.9D+1.6H+1.0SY	Combination	Min			3.36	-0.06
Story1	Bottom	ELU 0.9D+1.6H+1.0SY	Combination	Min			5.13	-0.06
Story1	Top	DStIS1	Combination				5.23	0
Story1	Bottom	DStIS1	Combination				7.99	0
Story1	Top	DStIS2	Combination				7	0
Story1	Bottom	DStIS2	Combination				9.36	0
Story1	Top	DStIS3	Combination				7.62	0
Story1	Bottom	DStIS3	Combination				9.98	0
Story1	Top	DStIS4	Combination				4.48	0
Story1	Bottom	DStIS4	Combination				6.84	0
Story1	Top	DStIS5	Combination				4.8	0
Story1	Bottom	DStIS5	Combination				7.16	0
Story1	Top	DStIS6	Combination				7.31	0
Story1	Bottom	DStIS6	Combination				9.67	0
Story1	Top	DStIS7	Combination				4.93	0
Story1	Bottom	DStIS7	Combination				6.7	0
Story1	Top	DStIS8	Combination				1.79	0
Story1	Bottom	DStIS8	Combination				3.56	0
Story1	Top	DStIS9	Combination				2.11	0
Story1	Bottom	DStIS9	Combination				3.88	0
Story1	Top	DStIS10	Combination				4.62	0
Story1	Bottom	DStIS10	Combination				6.39	0
Story1	Top	DStIS11	Combination				6.43	-4.01
Story1	Bottom	DStIS11	Combination				8.98	-4.01
Story1	Top	DStIS12	Combination				6.43	4.01
Story1	Bottom	DStIS12	Combination				8.98	4.01
Story1	Top	DStIS13	Combination				6.43	0
Story1	Bottom	DStIS13	Combination				8.98	0
Story1	Top	DStIS14	Combination				6.43	0
Story1	Bottom	DStIS14	Combination				8.98	0
Story1	Top	DStIS15	Combination				6.43	-0.69
Story1	Bottom	DStIS15	Combination				8.98	-0.69
Story1	Top	DStIS16	Combination				6.43	0.69
Story1	Bottom	DStIS16	Combination				8.98	0.69
Story1	Top	DStIS17	Combination				6.43	0
Story1	Bottom	DStIS17	Combination				8.98	0
Story1	Top	DStIS18	Combination				6.43	0
Story1	Bottom	DStIS18	Combination				8.98	0
Story1	Top	DStIS19	Combination				2.99	-4.01
Story1	Bottom	DStIS19	Combination				4.56	-4.01
Story1	Top	DStIS20	Combination				2.99	4.01
Story1	Bottom	DStIS20	Combination				4.56	4.01
Story1	Top	DStIS21	Combination				2.99	0
Story1	Bottom	DStIS21	Combination				4.56	0
Story1	Top	DStIS22	Combination				2.99	0
Story1	Bottom	DStIS22	Combination				4.56	0
Story1	Top	DStIS23	Combination				2.99	-0.69
Story1	Bottom	DStIS23	Combination				4.56	-0.69
Story1	Top	DStIS24	Combination				2.99	0.69
Story1	Bottom	DStIS24	Combination				4.56	0.69
Story1	Top	DStIS25	Combination				2.99	0
Story1	Bottom	DStIS25	Combination				4.56	0
Story1	Top	DStIS26	Combination				2.99	0
Story1	Bottom	DStIS26	Combination				4.56	0
Story1	Top	DStIS27	Combination	Max			6.43	3.21

Story	Location	Output Case	Case Type	Step Type	Step Number	Step Label	P tonf	VX tonf
Story1	Bottom	DStIS27	Combination	Max			8.98	3.21
Story1	Top	DStIS27	Combination	Min			6.43	-3.21
Story1	Bottom	DStIS27	Combination	Min			8.98	-3.21
Story1	Top	DStIS28	Combination	Max			6.43	0.06
Story1	Bottom	DStIS28	Combination	Max			8.98	0.06
Story1	Top	DStIS28	Combination	Min			6.43	-0.06
Story1	Bottom	DStIS28	Combination	Min			8.98	-0.06
Story1	Top	DStIS29	Combination	Max			6.43	0.61
Story1	Bottom	DStIS29	Combination	Max			8.98	0.61
Story1	Top	DStIS29	Combination	Min			6.43	-0.61
Story1	Bottom	DStIS29	Combination	Min			8.98	-0.61
Story1	Top	DStIS30	Combination	Max			6.43	0.01
Story1	Bottom	DStIS30	Combination	Max			8.98	0.01
Story1	Top	DStIS30	Combination	Min			6.43	-0.01
Story1	Bottom	DStIS30	Combination	Min			8.98	-0.01
Story1	Top	DStIS31	Combination	Max			2.99	3.21
Story1	Bottom	DStIS31	Combination	Max			4.56	3.21
Story1	Top	DStIS31	Combination	Min			2.99	-3.21
Story1	Bottom	DStIS31	Combination	Min			4.56	-3.21
Story1	Top	DStIS32	Combination	Max			2.99	0.06
Story1	Bottom	DStIS32	Combination	Max			4.56	0.06
Story1	Top	DStIS32	Combination	Min			2.99	-0.06
Story1	Bottom	DStIS32	Combination	Min			4.56	-0.06
Story1	Top	DStIS33	Combination	Max			2.99	0.61
Story1	Bottom	DStIS33	Combination	Max			4.56	0.61
Story1	Top	DStIS33	Combination	Min			2.99	-0.61
Story1	Bottom	DStIS33	Combination	Min			4.56	-0.61
Story1	Top	DStIS34	Combination	Max			2.99	0.01
Story1	Bottom	DStIS34	Combination	Max			4.56	0.01
Story1	Top	DStIS34	Combination	Min			2.99	-0.01
Story1	Bottom	DStIS34	Combination	Min			4.56	-0.01
Story1	Top	DStID1	Combination				3.74	0
Story1	Bottom	DStID1	Combination				5.7	0
Story1	Top	DStID2	Combination				5.31	0
Story1	Bottom	DStID2	Combination				7.27	0

Table 3.3 - Story Forces (Part 2 of 2)

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	0	2.7	-5.57
Story1	Bottom	0	0	6.53	-13.99
Story1	Top	0	0	3.83	-6.68
Story1	Bottom	0	0	3.83	-6.68
Story1	Top	0.06	9.04	0	0
Story1	Bottom	0.06	9.04	0.32	16.52
Story1	Top	3.2	14.04	0	0
Story1	Bottom	3.2	14.04	16.5	0.31
Story1	Top	0	9.08	0	0
Story1	Bottom	0	9.08	0	-20.64
Story1	Top	-4.01	-17.35	0	0
Story1	Bottom	-4.01	-17.35	20.64	0
Story1	Top	0	0	6.12	-10.7
Story1	Bottom	0	0	6.12	-10.7
Story1	Top	0	0	3.83	-6.68
Story1	Bottom	-1.65	-7.04	11.51	-6.68
Story1	Top	0	0	-3.06	5.35
Story1	Bottom	-1.26	-5.35	2.78	5.35
Story1	Top	0.01	1.72	0	0
Story1	Bottom	0.01	1.72	0.06	3.15

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0.62	2.7	0	0
Story1	Bottom	0.62	2.7	3.17	0.06
Story1	Top	0	1.56	0	0
Story1	Bottom	0	1.56	0	-3.56
Story1	Top	-0.69	-2.99	0	0
Story1	Bottom	-0.69	-2.99	3.56	0
Story1	Top	0	0	8.82	-16.26
Story1	Bottom	0	0	12.66	-24.69
Story1	Top	0	0	12.65	-22.95
Story1	Bottom	0	0	16.48	-31.37
Story1	Top	0	0	11.69	-21.27
Story1	Bottom	0	0	15.53	-29.7
Story1	Top	0.04	6.33	8.82	-16.26
Story1	Bottom	0.04	6.33	12.88	-13.12
Story1	Top	-0.04	-6.33	8.82	-16.26
Story1	Bottom	-0.04	-6.33	12.43	-36.25
Story1	Top	2.24	9.83	8.82	-16.26
Story1	Bottom	2.24	9.83	24.21	-24.47
Story1	Top	-2.24	-9.83	8.82	-16.26
Story1	Bottom	-2.24	-9.83	1.1	-24.9
Story1	Top	0.03	4.75	11.69	-21.27
Story1	Bottom	0.03	4.75	15.69	-21.03
Story1	Top	-0.03	-4.75	11.69	-21.27
Story1	Bottom	-0.03	-4.75	15.36	-38.37
Story1	Top	1.68	7.37	11.69	-21.27
Story1	Bottom	1.68	7.37	24.19	-29.54
Story1	Top	-1.68	-7.37	11.69	-21.27
Story1	Bottom	-1.68	-7.37	6.86	-29.86
Story1	Top	0.04	6.33	5.29	-9.76
Story1	Bottom	0.04	6.33	7.82	-3.25
Story1	Top	-0.04	-6.33	5.29	-9.76
Story1	Bottom	-0.04	-6.33	7.37	-26.38
Story1	Top	2.24	9.83	5.29	-9.76
Story1	Bottom	2.24	9.83	19.15	-14.59
Story1	Top	-2.24	-9.83	5.29	-9.76
Story1	Bottom	-2.24	-9.83	-3.96	-15.03
Story1	Top	0	0	12.35	-22.77
Story1	Bottom	0	0	17.72	-34.56
Story1	Top	0	0	16.71	-30.21
Story1	Bottom	0	0	21.31	-40.32
Story1	Top	1.02	13.25	14.41	-26.2
Story1	Bottom	1.02	13.25	24.28	-19.69
Story1	Top	-1.02	-13.25	14.41	-26.2
Story1	Bottom	-1.02	-13.25	13.75	-52.92
Story1	Top	3.22	16.76	14.41	-26.2
Story1	Bottom	3.22	16.76	35.61	-31.04
Story1	Top	-3.22	-16.76	14.41	-26.2
Story1	Bottom	-3.22	-16.76	2.42	-41.58
Story1	Top	1.02	13.25	14.41	-26.2
Story1	Bottom	1.02	13.25	24.28	-19.69
Story1	Top	-1.02	-13.25	14.41	-26.2
Story1	Bottom	-1.02	-13.25	13.75	-52.92
Story1	Top	3.22	16.76	14.41	-26.2
Story1	Bottom	3.22	16.76	35.61	-31.04
Story1	Top	-3.22	-16.76	14.41	-26.2
Story1	Bottom	-3.22	-16.76	2.42	-41.58
Story1	Top	1.02	13.25	14.41	-26.2
Story1	Bottom	1.02	13.25	24.28	-19.69
Story1	Top	-1.02	-13.25	14.41	-26.2
Story1	Bottom	-1.02	-13.25	13.75	-52.92

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	3.22	16.76	14.41	-26.2
Story1	Bottom	3.22	16.76	35.61	-31.04
Story1	Top	-3.22	-16.76	14.41	-26.2
Story1	Bottom	-3.22	-16.76	2.42	-41.58
Story1	Top	1.02	13.25	14.41	-26.2
Story1	Bottom	1.02	13.25	24.28	-19.69
Story1	Top	-1.02	-13.25	14.41	-26.2
Story1	Bottom	-1.02	-13.25	13.75	-52.92
Story1	Top	3.22	16.76	14.41	-26.2
Story1	Bottom	3.22	16.76	35.61	-31.04
Story1	Top	-3.22	-16.76	14.41	-26.2
Story1	Bottom	-3.22	-16.76	2.42	-41.58
Story1	Top	0	0	7.94	-14.64
Story1	Bottom	0	0	11.39	-22.22
Story1	Top	1.02	13.25	7.94	-14.64
Story1	Bottom	1.02	13.25	16.66	-5.6
Story1	Top	-1.02	-13.25	7.94	-14.64
Story1	Bottom	-1.02	-13.25	6.12	-38.83
Story1	Top	3.22	16.76	7.94	-14.64
Story1	Bottom	3.22	16.76	27.99	-16.95
Story1	Top	-3.22	-16.76	7.94	-14.64
Story1	Bottom	-3.22	-16.76	-5.21	-27.48
Story1	Top	1.02	13.25	7.94	-14.64
Story1	Bottom	1.02	13.25	16.66	-5.6
Story1	Top	-1.02	-13.25	7.94	-14.64
Story1	Bottom	-1.02	-13.25	6.12	-38.83
Story1	Top	3.22	16.76	7.94	-14.64
Story1	Bottom	3.22	16.76	27.99	-16.95
Story1	Top	-3.22	-16.76	7.94	-14.64
Story1	Bottom	-3.22	-16.76	-5.21	-27.48
Story1	Top	1.02	13.25	7.94	-14.64
Story1	Bottom	1.02	13.25	16.66	-5.6
Story1	Top	-1.02	-13.25	7.94	-14.64
Story1	Bottom	-1.02	-13.25	6.12	-38.83
Story1	Top	3.22	16.76	7.94	-14.64
Story1	Bottom	3.22	16.76	27.99	-16.95
Story1	Top	-3.22	-16.76	7.94	-14.64
Story1	Bottom	-3.22	-16.76	-5.21	-27.48
Story1	Top	1.02	13.25	7.94	-14.64
Story1	Bottom	1.02	13.25	16.66	-5.6
Story1	Top	-1.02	-13.25	7.94	-14.64
Story1	Bottom	-1.02	-13.25	6.12	-38.83
Story1	Top	3.22	16.76	7.94	-14.64
Story1	Bottom	3.22	16.76	27.99	-16.95
Story1	Top	-3.22	-16.76	7.94	-14.64
Story1	Bottom	-3.22	-16.76	-5.21	-27.48
Story1	Top	1.02	13.25	7.94	-14.64
Story1	Bottom	1.02	13.25	16.66	-5.6
Story1	Top	-1.02	-13.25	7.94	-14.64
Story1	Bottom	-1.02	-13.25	6.12	-38.83
Story1	Top	3.22	16.76	7.94	-14.64
Story1	Bottom	3.22	16.76	27.99	-16.95
Story1	Top	-3.22	-16.76	7.94	-14.64
Story1	Bottom	-3.22	-16.76	-5.21	-27.48
Story1	Top	0	0	8.82	-16.26
Story1	Bottom	0	0	12.66	-24.69
Story1	Top	0	0	12.65	-22.95
Story1	Bottom	0	0	16.48	-31.37
Story1	Top	0	0	5.29	-9.76
Story1	Bottom	0	0	7.59	-14.81
Story1	Top	0.04	6.33	5.29	-9.76
Story1	Bottom	0.04	6.33	7.82	-3.25
Story1	Top	-0.04	-6.33	5.29	-9.76
Story1	Bottom	-0.04	-6.33	7.37	-26.38
Story1	Top	2.24	9.83	5.29	-9.76
Story1	Bottom	2.24	9.83	19.15	-14.59
Story1	Top	-2.24	-9.83	5.29	-9.76
Story1	Bottom	-2.24	-9.83	-3.96	-15.03

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0.04	6.33	8.82	-16.26
Story1	Bottom	0.04	6.33	12.88	-13.12
Story1	Top	-0.04	-6.33	8.82	-16.26
Story1	Bottom	-0.04	-6.33	12.43	-36.25
Story1	Top	2.24	9.83	8.82	-16.26
Story1	Bottom	2.24	9.83	24.21	-24.47
Story1	Top	-2.24	-9.83	8.82	-16.26
Story1	Bottom	-2.24	-9.83	1.1	-24.9
Story1	Top	0.03	4.52	11.69	-21.27
Story1	Bottom	0.03	4.52	15.68	-21.44
Story1	Top	-0.03	-4.52	11.69	-21.27
Story1	Bottom	-0.03	-4.52	15.37	-37.96
Story1	Top	1.6	7.02	11.69	-21.27
Story1	Bottom	1.6	7.02	23.78	-29.54
Story1	Top	-1.6	-7.02	11.69	-21.27
Story1	Bottom	-1.6	-7.02	7.27	-29.85
Story1	Top	0.06	9.04	8.82	-16.26
Story1	Bottom	0.06	9.04	12.97	-8.16
Story1	Top	-0.06	-9.04	8.82	-16.26
Story1	Bottom	-0.06	-9.04	12.34	-41.21
Story1	Top	3.2	14.04	8.82	-16.26
Story1	Bottom	3.2	14.04	29.16	-24.38
Story1	Top	-3.2	-14.04	8.82	-16.26
Story1	Bottom	-3.2	-14.04	-3.85	-25
Story1	Top	0.05	6.78	11.69	-21.27
Story1	Bottom	0.05	6.78	15.76	-17.31
Story1	Top	-0.05	-6.78	11.69	-21.27
Story1	Bottom	-0.05	-6.78	15.29	-42.09
Story1	Top	2.4	10.53	11.69	-21.27
Story1	Bottom	2.4	10.53	27.9	-29.47
Story1	Top	-2.4	-10.53	11.69	-21.27
Story1	Bottom	-2.4	-10.53	3.15	-29.93
Story1	Top	0.06	9.04	5.29	-9.76
Story1	Bottom	0.06	9.04	7.91	1.71
Story1	Top	-0.06	-9.04	5.29	-9.76
Story1	Bottom	-0.06	-9.04	7.28	-31.33
Story1	Top	3.2	14.04	5.29	-9.76
Story1	Bottom	3.2	14.04	24.1	-14.5
Story1	Top	-3.2	-14.04	5.29	-9.76
Story1	Bottom	-3.2	-14.04	-8.91	-15.12
Story1	Top	0	0	12.65	-22.95
Story1	Bottom	-1.65	-7.04	24.17	-31.37
Story1	Top	0	0	5.76	-10.91
Story1	Bottom	-1.26	-5.35	15.44	-19.34
Story1	Top	0	0	14.56	-26.29
Story1	Bottom	-1.24	-5.28	24.16	-34.71
Story1	Top	0	0	9.39	-17.26
Story1	Bottom	-0.94	-4.01	17.61	-25.69
Story1	Top	0	0	9.12	-16.44
Story1	Bottom	-1.65	-7.04	19.11	-21.5
Story1	Top	0	0	2.23	-4.41
Story1	Bottom	-1.26	-5.35	10.38	-9.46
Story1	Top	0	0	13.65	-24.86
Story1	Bottom	-1.32	-5.63	24.4	-34.97
Story1	Top	0	0	8.13	-15.24
Story1	Bottom	-1.01	-4.28	17.41	-25.35
Story1	Top	0	0	14.06	-25.33
Story1	Bottom	-2.64	-11.26	29.81	-32.91
Story1	Top	0	0	3.04	-6.08
Story1	Bottom	-2.01	-8.56	15.85	-13.66

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	0	20.54	-36.89
Story1	Bottom	-2.64	-11.26	37.44	-47
Story1	Top	0	0	9.51	-17.64
Story1	Bottom	-2.01	-8.56	23.47	-27.75
Story1	Top	0	0	12.65	-22.95
Story1	Bottom	0	0	16.48	-31.37
Story1	Top	0	0	8.82	-16.26
Story1	Bottom	0	0	12.66	-24.69
Story1	Top	0	0	11.69	-21.27
Story1	Bottom	0	0	15.53	-29.7
Story1	Top	0.04	6.33	8.82	-16.26
Story1	Bottom	0.04	6.33	12.88	-13.12
Story1	Top	-0.04	-6.33	8.82	-16.26
Story1	Bottom	-0.04	-6.33	12.43	-36.25
Story1	Top	2.24	9.83	8.82	-16.26
Story1	Bottom	2.24	9.83	24.21	-24.47
Story1	Top	-2.24	-9.83	8.82	-16.26
Story1	Bottom	-2.24	-9.83	1.1	-24.9
Story1	Top	0.03	4.75	11.69	-21.27
Story1	Bottom	0.03	4.75	15.69	-21.03
Story1	Top	-0.03	-4.75	11.69	-21.27
Story1	Bottom	-0.03	-4.75	15.36	-38.37
Story1	Top	1.68	7.37	11.69	-21.27
Story1	Bottom	1.68	7.37	24.19	-29.54
Story1	Top	-1.68	-7.37	11.69	-21.27
Story1	Bottom	-1.68	-7.37	6.86	-29.86
Story1	Top	0	0	5.29	-9.76
Story1	Bottom	0	0	7.59	-14.81
Story1	Top	0.04	6.33	5.29	-9.76
Story1	Bottom	0.04	6.33	7.82	-3.25
Story1	Top	-0.04	-6.33	5.29	-9.76
Story1	Bottom	-0.04	-6.33	7.37	-26.38
Story1	Top	2.24	9.83	5.29	-9.76
Story1	Bottom	2.24	9.83	19.15	-14.59
Story1	Top	-2.24	-9.83	5.29	-9.76
Story1	Bottom	-2.24	-9.83	-3.96	-15.03
Story1	Top	0	0	10.58	-19.51
Story1	Bottom	0	0	15.19	-29.62
Story1	Top	0	0	7.94	-14.64
Story1	Bottom	0	0	11.39	-22.22
Story1	Top	0.06	9.04	7.94	-14.64
Story1	Bottom	0.06	9.04	11.71	-5.7
Story1	Top	-0.06	-9.04	7.94	-14.64
Story1	Bottom	-0.06	-9.04	11.07	-38.74
Story1	Top	3.2	14.04	7.94	-14.64
Story1	Bottom	3.2	14.04	27.89	-21.91
Story1	Top	-3.2	-14.04	7.94	-14.64
Story1	Bottom	-3.2	-14.04	-5.11	-22.53
Story1	Top	0	0	12.35	-22.77
Story1	Bottom	0	0	17.72	-34.56
Story1	Top	0	0	16.71	-30.21
Story1	Bottom	0	0	21.31	-40.32
Story1	Top	0	0	18.24	-32.88
Story1	Bottom	-1.65	-7.04	30.53	-42.99
Story1	Top	0	0	10.58	-19.51
Story1	Bottom	1.65	7.04	7.5	-29.62
Story1	Top	0	0	11.35	-20.85
Story1	Bottom	-1.26	-5.35	21.8	-30.96
Story1	Top	0	0	17.47	-31.55
Story1	Bottom	1.26	5.35	16.23	-41.66

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	0	0	11.77	-21.32
Story1	Bottom	-1.65	-7.04	22.9	-28.9
Story1	Top	0	0	4.11	-7.95
Story1	Bottom	1.65	7.04	-0.12	-15.53
Story1	Top	0	0	4.88	-9.29
Story1	Bottom	-1.26	-5.35	14.17	-16.87
Story1	Top	0	0	11	-19.98
Story1	Bottom	1.26	5.35	8.61	-27.57
Story1	Top	0	9.08	15.29	-27.82
Story1	Bottom	0	9.08	20.28	-59.42
Story1	Top	0	-9.08	15.29	-27.82
Story1	Bottom	0	-9.08	20.28	-18.13
Story1	Top	-4.01	-17.35	15.29	-27.82
Story1	Bottom	-4.01	-17.35	40.92	-38.78
Story1	Top	4.01	17.35	15.29	-27.82
Story1	Bottom	4.01	17.35	-0.36	-38.78
Story1	Top	0	1.56	15.29	-27.82
Story1	Bottom	0	1.56	20.28	-42.33
Story1	Top	0	-1.56	15.29	-27.82
Story1	Bottom	0	-1.56	20.28	-35.22
Story1	Top	-0.69	-2.99	15.29	-27.82
Story1	Bottom	-0.69	-2.99	23.84	-38.78
Story1	Top	0.69	2.99	15.29	-27.82
Story1	Bottom	0.69	2.99	16.72	-38.78
Story1	Top	0	9.08	7.06	-13.01
Story1	Bottom	0	9.08	10.12	-40.39
Story1	Top	0	-9.08	7.06	-13.01
Story1	Bottom	0	-9.08	10.12	0.89
Story1	Top	-4.01	-17.35	7.06	-13.01
Story1	Bottom	-4.01	-17.35	30.77	-19.75
Story1	Top	4.01	17.35	7.06	-13.01
Story1	Bottom	4.01	17.35	-10.52	-19.75
Story1	Top	0	1.56	7.06	-13.01
Story1	Bottom	0	1.56	10.12	-23.31
Story1	Top	0	-1.56	7.06	-13.01
Story1	Bottom	0	-1.56	10.12	-16.19
Story1	Top	-0.69	-2.99	7.06	-13.01
Story1	Bottom	-0.69	-2.99	13.68	-19.75
Story1	Top	0.69	2.99	7.06	-13.01
Story1	Bottom	0.69	2.99	6.57	-19.75
Story1	Top	0.06	9.04	15.29	-27.82
Story1	Bottom	0.06	9.04	20.6	-22.26
Story1	Top	-0.06	-9.04	15.29	-27.82
Story1	Bottom	-0.06	-9.04	19.96	-55.3
Story1	Top	3.2	14.04	15.29	-27.82
Story1	Bottom	3.2	14.04	36.78	-38.47
Story1	Top	-3.2	-14.04	15.29	-27.82
Story1	Bottom	-3.2	-14.04	3.78	-39.09
Story1	Top	0.01	1.72	15.29	-27.82
Story1	Bottom	0.01	1.72	20.34	-35.63
Story1	Top	-0.01	-1.72	15.29	-27.82
Story1	Bottom	-0.01	-1.72	20.22	-41.93
Story1	Top	0.62	2.7	15.29	-27.82
Story1	Bottom	0.62	2.7	23.45	-38.72
Story1	Top	-0.62	-2.7	15.29	-27.82
Story1	Bottom	-0.62	-2.7	17.11	-38.84
Story1	Top	0.06	9.04	7.06	-13.01
Story1	Bottom	0.06	9.04	10.44	-3.23
Story1	Top	-0.06	-9.04	7.06	-13.01
Story1	Bottom	-0.06	-9.04	9.81	-36.27

Story	Location	VY tonf	T tonf-m	MX tonf-m	MY tonf-m
Story1	Top	3.2	14.04	7.06	-13.01
Story1	Bottom	3.2	14.04	26.63	-19.44
Story1	Top	-3.2	-14.04	7.06	-13.01
Story1	Bottom	-3.2	-14.04	-6.38	-20.06
Story1	Top	0.01	1.72	7.06	-13.01
Story1	Bottom	0.01	1.72	10.19	-16.6
Story1	Top	-0.01	-1.72	7.06	-13.01
Story1	Bottom	-0.01	-1.72	10.06	-22.9
Story1	Top	0.62	2.7	7.06	-13.01
Story1	Bottom	0.62	2.7	13.29	-19.69
Story1	Top	-0.62	-2.7	7.06	-13.01
Story1	Bottom	-0.62	-2.7	6.96	-19.81
Story1	Top	0	0	8.82	-16.26
Story1	Bottom	0	0	12.66	-24.69
Story1	Top	0	0	12.65	-22.95
Story1	Bottom	0	0	16.48	-31.37

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	0.487	2.052	12.8957	166.2995
Modal	2	0.486	2.059	12.9384	167.4018
Modal	3	0.354	2.827	17.7651	315.598
Modal	4	0.103	9.694	60.9097	3709.9972
Modal	5	0.092	10.915	68.5805	4703.2791
Modal	6	0.061	16.351	102.7369	10554.8675
Modal	7	0.048	20.997	131.925	17404.2017
Modal	8	0.045	22.208	139.5353	19470.0933
Modal	9	0.03	32.976	207.1944	42929.4996
Modal	10	0.02	50.153	315.1206	99300.9724
Modal	11	0.02	50.917	319.9178	102347.4139
Modal	12	0.017	57.287	359.9468	129561.678
Modal	13	0.017	59.247	372.2618	138578.8651
Modal	14	0.017	59.86	376.1124	141460.5527
Modal	15	0.016	61.473	386.2487	149188.0711
Modal	16	0.016	62.675	393.7987	155077.4299
Modal	17	0.016	62.98	395.712	156588.0011
Modal	18	0.015	64.66	406.269	165054.4605
Modal	19	0.015	65.215	409.7566	167900.4954
Modal	20	0.015	66.074	415.1541	172352.9181
Modal	21	0.015	66.739	419.3345	175841.3977
Modal	22	0.014	69.27	435.238	189432.0862
Modal	23	0.014	70.308	441.7581	195150.2013
Modal	24	0.014	71.171	447.1833	199972.8989
Modal	25	0.014	71.525	449.4049	201964.7988
Modal	26	0.013	74.328	467.017	218104.8333
Modal	27	0.013	74.642	468.9878	219949.5353
Modal	28	0.013	74.987	471.1551	221987.1444
Modal	29	0.013	79.269	498.0616	248065.3388
Modal	30	0.012	80.68	506.9267	256974.6947
Modal	31	0.012	83.435	524.2379	274825.3523
Modal	32	0.012	86.402	542.8811	294719.9182
Modal	33	0.011	88.805	557.9757	311336.8798
Modal	34	0.011	94.552	594.088	352940.5482
Modal	35	0.01	97.548	612.9135	375662.9255
Modal	36	0.01	97.843	614.7655	377936.5663
Modal	37	0.01	101.485	637.6489	406596.1325

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	38	0.009	107.256	673.9103	454155.0823
Modal	39	0.009	113.519	713.26	508739.8445
Modal	40	0.009	115.637	726.5695	527903.2476
Modal	41	0.009	117.191	736.3308	542183.0599
Modal	42	0.008	128.892	809.8495	655856.214
Modal	43	0.007	135.668	852.4251	726628.4928
Modal	44	0.007	139.484	876.4047	768085.2223
Modal	45	0.007	142.394	894.691	800472.0078
Modal	46	0.007	144.738	909.4143	827034.3989
Modal	47	0.007	149.921	941.9831	887332.0687
Modal	48	0.006	158.226	994.1626	988359.3736
Modal	49	0.006	168.455	1058.4348	1120284.2708
Modal	50	0.006	170.918	1073.9086	1153279.6461
Modal	51	0.006	172.956	1086.7136	1180946.4394
Modal	52	0.006	173.906	1092.6867	1193964.2033
Modal	53	0.006	174.646	1097.3328	1204139.3711
Modal	54	0.006	177.706	1116.5614	1246709.4683
Modal	55	0.006	178.688	1122.7316	1260526.1543
Modal	56	0.005	183.923	1155.6205	1335458.8089
Modal	57	0.005	188.259	1182.8652	1399170.0627
Modal	58	0.005	188.9	1186.8924	1408713.6043
Modal	59	0.005	200.442	1259.416	1586128.5794
Modal	60	0.005	206.269	1296.0239	1679677.8848

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

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	1	0.487	0.7791	0.1985	0	0.7791	0.1985	0	0.1985	0.7791	0.0255
Modal	2	0.486	0.1963	0.7995	0	0.9754	0.998	0	0.7995	0.1963	0.003
Modal	3	0.354	0.0245	0.0003	0	0.9999	0.9983	0	0.0003	0.0245	0.9712
Modal	4	0.103	0.0001	0	0	0.9999	0.9983	0	0	0.0001	6.219E-06
Modal	5	0.092	0	0.0017	0	0.9999	1	0	0.0017	0	5.556E-06
Modal	6	0.061	0	0	0	0.9999	1	0	0	0	0.0002
Modal	7	0.048	0	2.2E-05	0	0.9999	1	0	2.2E-05	0	0
Modal	8	0.045	3.5E-05	0	0	1	1	0	0	3.5E-05	1.413E-05
Modal	9	0.03	1.365E-05	0	0	1	1	0	0	1.365E-05	0
Modal	10	0.02	6.502E-07	0	0	1	1	0	0	6.502E-07	7.767E-07
Modal	11	0.02	0	0	0	1	1	0	0	0	0
Modal	12	0.017	0	0	0	1	1	0	0	0	0
Modal	13	0.017	0	0	0	1	1	0	0	0	0
Modal	14	0.017	0	0	0	1	1	0	0	0	0
Modal	15	0.016	0	0	0	1	1	0	0	0	0
Modal	16	0.016	0	0	0	1	1	0	0	0	0
Modal	17	0.016	0	0	0	1	1	0	0	0	0
Modal	18	0.015	0	0	0	1	1	0	0	0	0
Modal	19	0.015	0	0	0	1	1	0	0	0	0
Modal	20	0.015	0	0	0	1	1	0	0	0	0
Modal	21	0.015	0	0	0	1	1	0	0	0	0
Modal	22	0.014	0	0	0	1	1	0	0	0	0
Modal	23	0.014	0	0	0	1	1	0	0	0	0
Modal	24	0.014	0	0	0	1	1	0	0	0	0
Modal	25	0.014	0	0	0	1	1	0	0	0	0
Modal	26	0.013	0	0	0	1	1	0	0	0	0
Modal	27	0.013	0	0	0	1	1	0	0	0	0
Modal	28	0.013	0	0	0	1	1	0	0	0	0
Modal	29	0.013	0	0	0	1	1	0	0	0	0
Modal	30	0.012	0	0	0	1	1	0	0	0	0
Modal	31	0.012	0	0	0	1	1	0	0	0	0
Modal	32	0.012	0	0	0	1	1	0	0	0	0

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	33	0.011	0	0	0	1	1	0	0	0	0
Modal	34	0.011	0	0	0	1	1	0	0	0	0
Modal	35	0.01	0	0	0	1	1	0	0	0	0
Modal	36	0.01	0	0	0	1	1	0	0	0	0
Modal	37	0.01	0	0	0	1	1	0	0	0	0
Modal	38	0.009	0	0	0	1	1	0	0	0	0
Modal	39	0.009	0	0	0	1	1	0	0	0	0
Modal	40	0.009	0	0	0	1	1	0	0	0	0
Modal	41	0.009	0	0	0	1	1	0	0	0	0
Modal	42	0.008	0	0	0	1	1	0	0	0	0
Modal	43	0.007	0	0	0	1	1	0	0	0	0
Modal	44	0.007	0	0	0	1	1	0	0	0	0
Modal	45	0.007	0	0	0	1	1	0	0	0	0
Modal	46	0.007	0	0	0	1	1	0	0	0	0
Modal	47	0.007	0	0	0	1	1	0	0	0	0
Modal	48	0.006	0	0	0	1	1	0	0	0	0
Modal	49	0.006	0	0	0	1	1	0	0	0	0
Modal	50	0.006	0	0	0	1	1	0	0	0	0
Modal	51	0.006	0	0	0	1	1	0	0	0	0
Modal	52	0.006	0	0	0	1	1	0	0	0	0
Modal	53	0.006	0	0	0	1	1	0	0	0	0
Modal	54	0.006	0	0	0	1	1	0	0	0	0
Modal	55	0.006	0	0	0	1	1	0	0	0	0
Modal	56	0.005	0	0	0	1	1	0	0	0	0
Modal	57	0.005	0	0	0	1	1	0	0	0	0
Modal	58	0.005	0	0	0	1	1	0	0	0	0
Modal	59	0.005	0	0	0	1	1	0	0	0	0
Modal	60	0.005	0	0	0	1	1	0	0	0	0

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

Case	Mode	SumRX	SumRY	SumRZ
Modal	1	0.1985	0.7791	0.0255
Modal	2	0.998	0.9754	0.0285
Modal	3	0.9983	0.9999	0.9998
Modal	4	0.9983	0.9999	0.9998
Modal	5	1	0.9999	0.9998
Modal	6	1	0.9999	1
Modal	7	1	0.9999	1
Modal	8	1	1	1
Modal	9	1	1	1
Modal	10	1	1	1
Modal	11	1	1	1
Modal	12	1	1	1
Modal	13	1	1	1
Modal	14	1	1	1
Modal	15	1	1	1
Modal	16	1	1	1
Modal	17	1	1	1
Modal	18	1	1	1
Modal	19	1	1	1
Modal	20	1	1	1
Modal	21	1	1	1
Modal	22	1	1	1
Modal	23	1	1	1
Modal	24	1	1	1
Modal	25	1	1	1
Modal	26	1	1	1
Modal	27	1	1	1
Modal	28	1	1	1

Case	Mode	SumRX	SumRY	SumRZ
Modal	29	1	1	1
Modal	30	1	1	1
Modal	31	1	1	1
Modal	32	1	1	1
Modal	33	1	1	1
Modal	34	1	1	1
Modal	35	1	1	1
Modal	36	1	1	1
Modal	37	1	1	1
Modal	38	1	1	1
Modal	39	1	1	1
Modal	40	1	1	1
Modal	41	1	1	1
Modal	42	1	1	1
Modal	43	1	1	1
Modal	44	1	1	1
Modal	45	1	1	1
Modal	46	1	1	1
Modal	47	1	1	1
Modal	48	1	1	1
Modal	49	1	1	1
Modal	50	1	1	1
Modal	51	1	1	1
Modal	52	1	1	1
Modal	53	1	1	1
Modal	54	1	1	1
Modal	55	1	1	1
Modal	56	1	1	1
Modal	57	1	1	1
Modal	58	1	1	1
Modal	59	1	1	1
Modal	60	1	1	1

Table 3.6 - Modal Load Participation Ratios

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

Table 3.7 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.487	0.776	0.198	0	0.026
Modal	2	0.486	0.196	0.8	0	0.003
Modal	3	0.354	0.025	0	0	0.975
Modal	4	0.103	0	0	0	1
Modal	5	0.092	0	0.294	0	0.706
Modal	6	0.061	0	0	0	1
Modal	7	0.048	0	0.01	0	0.99
Modal	8	0.045	0.237	0	0	0.763
Modal	9	0.03	0	0	0	1
Modal	10	0.02	0	0	0	1
Modal	11	0.02	0	0	0	1
Modal	12	0.017	0	0	0	1
Modal	13	0.017	0	0.003	0	0.997
Modal	14	0.017	0	0	0	1
Modal	15	0.016	0	0	0	1
Modal	16	0.016	0	0	0	1

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	17	0.016	0	0	0	1
Modal	18	0.015	0	0	0	1
Modal	19	0.015	0	0	0	1
Modal	20	0.015	0	0	0	1
Modal	21	0.015	0	0	0	1
Modal	22	0.014	0	0	0	1
Modal	23	0.014	0	0	0	1
Modal	24	0.014	0	0	0	1
Modal	25	0.014	0	0	0	1
Modal	26	0.013	0	0	0	1
Modal	27	0.013	0	0	0	1
Modal	28	0.013	0	0	0	1
Modal	29	0.013	0	0	0	1
Modal	30	0.012	0	0	0	1
Modal	31	0.012	0	0	0	1
Modal	32	0.012	0	0	0	1
Modal	33	0.011	0	0	0	1
Modal	34	0.011	0	0	0	1
Modal	35	0.01	0	0	0	1
Modal	36	0.01	0	0	0	1
Modal	37	0.01	0	0	0	1
Modal	38	0.009	0	0	0	1
Modal	39	0.009	0	0	0	1
Modal	40	0.009	0	0	0	1
Modal	41	0.009	0	0	0	1
Modal	42	0.008	0	0	0	1
Modal	43	0.007	0	0	0	1
Modal	44	0.007	0	0	0	1
Modal	45	0.007	0	0	0	1
Modal	46	0.007	0	0	0	1
Modal	47	0.007	0	0	0	1
Modal	48	0.006	0	0	0	1
Modal	49	0.006	0	0	0	1
Modal	50	0.006	0	0	0	1
Modal	51	0.006	0	0	0	1
Modal	52	0.006	0	0	0	1
Modal	53	0.006	0	0	0	1
Modal	54	0.006	0	0	0	1
Modal	55	0.006	0	0	0	1
Modal	56	0.005	0	0	0	1
Modal	57	0.005	0.004	0.003	0	0.993
Modal	58	0.005	0	0	0	1
Modal	59	0.005	0	0	0	1
Modal	60	0.005	0	0	0	1

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	Relative Hinge Distance Sh/L Left
Story1	C7	3	Column	Program Determined	OMF	0	Program Determined	0
Story1	C8	4	Column	Program Determined	OMF	0	Program Determined	0
Story1	C11	7	Column	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	C12	8	Column	Program Determined	OMF	0	Program Determined	0
Story1	C13	21	Column	Program Determined	OMF	0	Program Determined	0
Story1	C14	22	Column	Program Determined	OMF	0	Program Determined	0
Story1	C15	24	Column	Program Determined	OMF	0	Program Determined	0
Story1	C16	25	Column	Program Determined	OMF	0	Program Determined	0
Story1	C17	26	Column	Program Determined	OMF	0	Program Determined	0
Story1	C18	27	Column	Program Determined	OMF	0	Program Determined	0
Story1	C19	28	Column	Program Determined	OMF	0	Program Determined	0
Story1	C20	29	Column	Program Determined	OMF	0	Program Determined	0
Story1	C21	30	Column	Program Determined	OMF	0	Program Determined	0
Story1	C22	31	Column	Program Determined	OMF	0	Program Determined	0
Story1	C23	42	Column	Program Determined	OMF	0	Program Determined	0
Story1	C26	72	Column	Program Determined	OMF	0	Program Determined	0
Story1	C27	73	Column	Program Determined	OMF	0	Program Determined	0
Story1	C28	74	Column	Program Determined	OMF	0	Program Determined	0
Story1	C29	80	Column	Program Determined	OMF	0	Program Determined	0
Story1	C30	81	Column	Program Determined	OMF	0	Program Determined	0
Story1	C31	89	Column	Program Determined	OMF	0	Program Determined	0
Story1	C32	105	Column	Program Determined	OMF	0	Program Determined	0
Story1	C33	106	Column	Program Determined	OMF	0	Program Determined	0
Story1	C34	107	Column	Program Determined	OMF	0	Program Determined	0
Story1	C35	128	Column	Program Determined	OMF	0	Program Determined	0
Story1	C36	129	Column	Program Determined	OMF	0	Program Determined	0
Story1	C37	130	Column	Program Determined	OMF	0	Program Determined	0
Story1	C38	131	Column	Program Determined	OMF	0	Program Determined	0
Story1	C39	132	Column	Program Determined	OMF	0	Program Determined	0
Story1	C40	133	Column	Program Determined	OMF	0	Program Determined	0
Story1	C41	134	Column	Program Determined	OMF	0	Program Determined	0
Story1	C42	159	Column	Program Determined	OMF	0	Program Determined	0
Story1	C43	160	Column	Program Determined	OMF	0	Program Determined	0
Story1	C44	161	Column	Program Determined	OMF	0	Program Determined	0
Story1	C45	162	Column	Program Determined	OMF	0	Program Determined	0
Story1	C46	163	Column	Program Determined	OMF	0	Program Determined	0
Story1	C47	164	Column	Program Determined	OMF	0	Program Determined	0
Story1	C48	165	Column	Program Determined	OMF	0	Program Determined	0
Story1	C49	190	Column	Program Determined	OMF	0	Program Determined	0
Story1	C50	191	Column	Program Determined	OMF	0	Program Determined	0
Story1	C51	192	Column	Program Determined	OMF	0	Program Determined	0
Story1	C52	193	Column	Program Determined	OMF	0	Program Determined	0
Story1	C53	194	Column	Program Determined	OMF	0	Program Determined	0
Story1	C54	195	Column	Program Determined	OMF	0	Program Determined	0
Story1	C55	196	Column	Program Determined	OMF	0	Program Determined	0
Story1	C56	221	Column	Program Determined	OMF	0	Program Determined	0
Story1	C57	222	Column	Program Determined	OMF	0	Program Determined	0
Story1	C58	223	Column	Program Determined	OMF	0	Program Determined	0
Story1	C59	224	Column	Program Determined	OMF	0	Program Determined	0
Story1	C60	225	Column	Program Determined	OMF	0	Program Determined	0
Story1	C61	226	Column	Program Determined	OMF	0	Program Determined	0
Story1	C62	227	Column	Program Determined	OMF	0	Program Determined	0
Story1	C63	252	Column	Program Determined	OMF	0	Program Determined	0
Story1	C64	253	Column	Program Determined	OMF	0	Program Determined	0
Story1	C65	254	Column	Program Determined	OMF	0	Program Determined	0
Story1	C66	255	Column	Program Determined	OMF	0	Program Determined	0
Story1	C67	256	Column	Program Determined	OMF	0	Program Determined	0
Story1	C68	257	Column	Program Determined	OMF	0	Program Determined	0
Story1	C69	258	Column	Program Determined	OMF	0	Program Determined	0
Story1	C70	283	Column	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	C71	284	Column	Program Determined	OMF	0	Program Determined	0
Story1	C72	285	Column	Program Determined	OMF	0	Program Determined	0
Story1	C73	286	Column	Program Determined	OMF	0	Program Determined	0
Story1	C74	287	Column	Program Determined	OMF	0	Program Determined	0
Story1	C75	288	Column	Program Determined	OMF	0	Program Determined	0
Story1	C76	289	Column	Program Determined	OMF	0	Program Determined	0
Story1	C1	6	Column	Program Determined	OMF	0	Program Determined	0
Story1	C2	10	Column	Program Determined	OMF	0	Program Determined	0
Story1	C3	45	Column	Program Determined	OMF	0	Program Determined	0
Story1	C4	79	Column	Program Determined	OMF	0	Program Determined	0
Story1	C5	110	Column	Program Determined	OMF	0	Program Determined	0
Story1	C6	111	Column	Program Determined	OMF	0	Program Determined	0
Story1	C9	345	Column	Program Determined	OMF	0	Program Determined	0
Story1	C10	346	Column	Program Determined	OMF	0	Program Determined	0
Story1	C24	354	Column	Program Determined	OMF	0	Program Determined	0
Story1	C25	370	Column	Program Determined	OMF	0	Program Determined	0
Story1	C77	371	Column	Program Determined	OMF	0	Program Determined	0
Story1	C78	372	Column	Program Determined	OMF	0	Program Determined	0
Story1	C79	387	Column	Program Determined	OMF	0	Program Determined	0
Story1	C80	388	Column	Program Determined	OMF	0	Program Determined	0
Story1	C81	389	Column	Program Determined	OMF	0	Program Determined	0
Story1	C82	390	Column	Program Determined	OMF	0	Program Determined	0
Story1	C83	391	Column	Program Determined	OMF	0	Program Determined	0
Story1	C84	392	Column	Program Determined	OMF	0	Program Determined	0
Story1	C85	393	Column	Program Determined	OMF	0	Program Determined	0
Story1	C86	394	Column	Program Determined	OMF	0	Program Determined	0
Story1	B1	9	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B3	11	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B4	12	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B5	13	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B6	14	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B9	17	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B10	18	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B11	19	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B14	32	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B15	33	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B17	35	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B19	38	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B20	39	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B21	40	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B22	41	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B31	59	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B32	60	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B33	61	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B34	62	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B35	63	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B36	64	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B37	65	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B38	66	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B39	82	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B40	83	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B41	84	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B42	85	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B43	86	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B44	87	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B45	88	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B46	92	Beam	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	B47	93	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B48	94	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B49	95	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B50	96	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B51	97	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B52	98	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B53	99	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B56	112	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B57	113	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B58	114	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B59	115	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B60	116	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B61	117	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B62	118	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B63	119	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B64	120	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B65	121	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B66	122	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B67	123	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B68	124	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B69	125	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B70	126	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B71	127	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B72	143	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B73	144	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B74	145	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B75	146	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B76	147	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B77	148	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B78	149	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B79	150	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B80	151	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B81	152	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B82	153	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B83	154	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B84	155	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B85	156	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B86	157	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B87	158	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B88	174	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B89	175	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B90	176	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B91	177	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B92	178	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B93	179	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B94	180	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B95	181	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B96	182	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B97	183	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B98	184	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B99	185	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B100	186	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B101	187	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B102	188	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B103	189	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B104	205	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B105	206	Beam	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	B106	207	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B107	208	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B108	209	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B109	210	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B110	211	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B111	212	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B112	213	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B113	214	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B114	215	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B115	216	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B116	217	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B117	218	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B118	219	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B119	220	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B120	236	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B121	237	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B122	238	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B123	239	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B124	240	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B125	241	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B126	242	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B127	243	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B128	244	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B129	245	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B130	246	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B131	247	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B132	248	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B133	249	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B134	250	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B135	251	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B136	267	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B137	268	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B138	269	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B139	270	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B140	271	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B141	272	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B142	273	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B143	274	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B144	275	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B145	276	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B146	277	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B147	278	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B148	279	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B149	280	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B150	281	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B151	282	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B152	298	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B153	299	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B154	300	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B155	301	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B156	302	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B157	303	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B158	304	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B159	305	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B160	306	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B161	307	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B162	308	Beam	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	B163	309	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B164	310	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B165	311	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B166	312	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B167	313	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B168	314	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B169	315	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B170	316	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B171	317	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B172	318	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B173	319	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B174	320	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B175	321	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B176	322	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B177	323	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B178	324	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B179	325	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B2	1	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B7	2	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B8	5	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B12	15	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B13	16	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B16	20	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B18	23	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B23	34	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B24	36	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B25	37	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B26	48	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B27	49	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B28	50	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B29	51	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B30	52	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B54	53	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B55	54	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B180	55	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B181	328	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B182	329	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B183	330	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B184	331	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B185	332	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B186	333	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B187	334	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B188	335	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B189	336	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B190	337	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B191	338	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B192	339	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B193	340	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B194	341	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B195	342	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B196	343	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B197	344	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B198	347	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B199	348	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B200	349	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B201	350	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B202	351	Beam	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	B203	352	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B204	353	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B205	357	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B206	358	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B207	359	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B208	360	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B209	361	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B210	362	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B211	363	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B212	364	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B213	375	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B214	376	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B215	377	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B216	378	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B217	379	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B218	380	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B219	381	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B220	382	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B221	383	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B222	384	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B223	385	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B224	386	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B225	395	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B227	397	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B228	398	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B230	400	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B231	401	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B233	403	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B234	404	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B236	406	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B237	407	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B238	408	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B239	409	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B240	410	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B241	411	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B242	412	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B243	413	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B244	414	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B245	415	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B246	416	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B247	417	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B248	418	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B249	419	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B250	420	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B251	421	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B252	422	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B253	423	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B254	424	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B255	425	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B256	426	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B257	427	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B258	428	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B259	429	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B260	430	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B261	431	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B262	432	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B263	433	Beam	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	B264	434	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B265	435	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B266	436	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B267	437	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B268	438	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B269	439	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B270	440	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B271	441	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B272	442	Beam	Program Determined	OMF	0	Program Determined	0
Story1	B273	443	Beam	Program Determined	OMF	0	Program Determined	0
Story1	D2	43	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D3	44	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D9	75	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D10	67	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D11	68	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D12	69	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D13	70	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D14	71	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D15	76	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D16	90	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D17	91	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D18	100	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D19	101	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D20	102	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D21	103	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D22	104	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D23	108	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D24	109	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D25	135	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D26	136	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D27	137	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D28	138	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D29	139	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D30	140	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D31	141	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D32	142	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D33	166	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D34	167	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D35	168	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D36	169	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D37	170	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D38	171	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D39	172	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D40	173	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D41	197	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D42	198	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D43	199	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D44	200	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D45	201	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D46	202	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D47	203	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D48	204	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D49	228	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D50	229	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D51	230	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D52	231	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D53	232	Brace	Program Determined	OMF	0	Program Determined	0

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Omega0	Connection Type	Relative Hinge Distance Sh/L Left
Story1	D54	233	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D55	234	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D56	235	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D57	259	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D58	260	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D59	261	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D60	262	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D61	263	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D62	264	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D63	265	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D64	266	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D65	290	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D66	291	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D67	292	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D68	293	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D69	294	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D70	295	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D71	296	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D72	297	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D1	46	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D4	47	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D5	56	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D6	57	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D7	58	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D8	77	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D73	78	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D74	326	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D75	327	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D76	355	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D77	356	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D78	365	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D79	366	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D80	367	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D81	368	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D82	369	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D83	373	Brace	Program Determined	OMF	0	Program Determined	0
Story1	D84	374	Brace	Program Determined	OMF	0	Program Determined	0

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

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

Page 93 of 139

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	DL Absolute mm	SDL+LL Absolute mm	LL Absolute mm	Total Absolute mm	Camber Absolute mm	Specified Camber mm	Net Area Ratio
0	0	0	0						0	0
0	0	0	0						0	0

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

Moment Coefficient (Cm Minor)	Bending Coefficient (Cb)	Nonsway Moment Factor (B1 Major)	Nonsway Moment Factor (B1 Minor)	Sway Moment Factor (B2 Major)	Sway Moment Factor (B2 Minor)	Reduce HSS Thickness?	HSS Welding Type?
0	0	0	0	0	0	Program Determined	Program Determined
0	0	0	0	0	0	Program Determined	Program Determined

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
73	Story1	C27	TUB50X50X2	$0.155 = 0.022 + 0.115 + 0.017$	ELU 1.2D+1.6W1+1.0L
74	Story1	C28	TUB50X50X2	$0.135 = 0.012 + 0.083 + 0.04$	ELU 1.2D+1.6W1+1.0L
80	Story1	C29	TUB100X100X3	$0.057 = 0.002 + 0.008 + 0.047$	ELU 1.2D+1.6W1+1.0L
81	Story1	C30	TUB100X100X3	$0.046 = 0.001 + 0.033 + 0.012$	ELU 1.2D+1.0L-1.0SX-0.3SY
89	Story1	C31	TUB50X50X2	$0.088 = 0.026 + 0.037 + 0.025$	ELU 1.2D+1.0L-1.0SX-0.3SY
105	Story1	C32	TUB50X50X2	$0.098 = 0.014 + 0.051 + 0.033$	ELU 1.2D+1.0L-1.0SY-0.3SX
106	Story1	C33	TUB50X50X2	$0.135 = 0.021 + 0.096 + 0.018$	ELU 1.2D+1.6W1+1.0L
107	Story1	C34	TUB50X50X2	$0.119 = 0.012 + 0.07 + 0.036$	ELU 1.2D+1.6W1+1.0L
128	Story1	C35	TUB50X50X2	$0.087 = 0.003 + 0.002 + 0.081$	ELU 1.2D+1.0L-1.0SY-0.3SX
129	Story1	C36	TUB50X50X2	$0.065 = 0.016 + 0.04 + 0.01$	ELU 1.2D+1.0L-1.0SX-0.3SY
130	Story1	C37	TUB50X50X2	$0.092 = 0.021 + 0.014 + 0.056$	ELU 1.2D+1.0L-1.0SX-0.3SY
131	Story1	C38	TUB50X50X2	$0.07 = 0.016 + 0.013 + 0.041$	ELU 1.2D+1.0L-1.0SX-0.3SY
132	Story1	C39	TUB50X50X2	$0.069 = 0.016 + 0.013 + 0.04$	ELU 1.2D+1.0L-1.0SX-0.3SY
133	Story1	C40	TUB50X50X2	$0.091 = 0.021 + 0.015 + 0.055$	ELU 1.2D+1.0L-1.0SX-0.3SY
134	Story1	C41	TUB50X50X2	$0.064 = 0.016 + 0.04 + 0.009$	ELU 1.2D+1.0L-1.0SX-0.3SY
159	Story1	C42	TUB50X50X2	$0.211 = 0.005 + 1.699E-04 + 0.206$	ELU 1.2D+1.6W1+1.0L
160	Story1	C43	TUB50X50X2	$0.128 = 0.034 + 0.03 + 0.064$	ELU 1.2D+1.6W1+1.0L
161	Story1	C44	TUB50X50X2	$0.219 = 0.014 + 0.027 + 0.178$	ELU 1.2D+1.6W1+1.0L
162	Story1	C45	TUB50X50X2	$0.13 = 0.012 + 0.009 + 0.109$	ELU 1.2D+1.6W1+1.0L
163	Story1	C46	TUB50X50X2	$0.129 = 0.012 + 0.009 + 0.107$	ELU 1.2D+1.6W1+1.0L
164	Story1	C47	TUB50X50X2	$0.216 = 0.014 + 0.027 + 0.174$	ELU 1.2D+1.6W1+1.0L
165	Story1	C48	TUB50X50X2	$0.125 = 0.034 + 0.029 + 0.062$	ELU 1.2D+1.6W1+1.0L
190	Story1	C49	TUB50X50X2	$0.15 = 0.004 + 0.002 + 0.143$	ELU 1.2D+1.0L-1.0SY-0.3SX
191	Story1	C50	TUB50X50X2	$0.111 = 0.033 + 0.036 + 0.042$	ELU 1.2D+1.6W1+1.0L
192	Story1	C51	TUB50X50X2	$0.166 = 0.015 + 0.021 + 0.131$	ELU 1.2D+1.0L-1.0SY-0.3SX
193	Story1	C52	TUB50X50X2	$0.099 = 0.011 + 0.009 + 0.079$	ELU 1.2D+1.0L-1.0SY-0.3SX
194	Story1	C53	TUB50X50X2	$0.099 = 0.012 + 0.009 + 0.078$	ELU 1.2D+1.0L-1.0SY-0.3SX
195	Story1	C54	TUB50X50X2	$0.164 = 0.015 + 0.021 + 0.128$	ELU 1.2D+1.0L-1.0SY-0.3SX
196	Story1	C55	TUB50X50X2	$0.109 = 0.032 + 0.035 + 0.042$	ELU 1.2D+1.6W1+1.0L
221	Story1	C56	TUB50X50X2	$0.051 = 0.005 + 0 + 0.046$	ELU 1.2D+1.6W1+1.0L
222	Story1	C57	TUB50X50X2	$0.051 = 0.007 + 0.025 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY
223	Story1	C58	TUB50X50X2	$0.046 = 0.011 + 0.005 + 0.03$	ELU 1.2D+1.0L-1.0SY-0.3SX
224	Story1	C59	TUB50X50X2	$0.038 = 0.01 + 0.008 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
225	Story1	C60	TUB50X50X2	$0.038 = 0.01 + 0.008 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
226	Story1	C61	TUB50X50X2	$0.045 = 0.01 + 0.005 + 0.03$	ELU 1.2D+1.0L-1.0SY-0.3SX
227	Story1	C62	TUB50X50X2	$0.051 = 0.007 + 0.025 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
252	Story1	C63	TUB50X50X2	$0.2 = 0.001 + 0 + 0.2$	ELU 0.9D+1.6W2
253	Story1	C64	TUB50X50X2	$0.07 = 0.004 + 0.004 + 0.062$	ELU 1.2D+1.6W2+1.0L
254	Story1	C65	TUB50X50X2	$0.143 = 4.843E-04 + 0.001 + 0.141$	ELU 0.9D+1.6W2
255	Story1	C66	TUB50X50X2	$0.137 = 0.001 + 2.254E-04 + 0.136$	ELU 0.9D+1.6W2
256	Story1	C67	TUB50X50X2	$0.137 = 0.001 + 1.336E-04 + 0.136$	ELU 0.9D+1.6W2
257	Story1	C68	TUB50X50X2	$0.143 = 0.001 + 0.001 + 0.141$	ELU 0.9D+1.6W2
258	Story1	C69	TUB50X50X2	$0.069 = 0.004 + 0.004 + 0.061$	ELU 1.2D+1.6W2+1.0L
283	Story1	C70	TUB50X50X2	$0.218 = 4.015E-04 + 0 + 0.217$	ELU 1.2D+1.6W1+1.0L
284	Story1	C71	TUB50X50X2	$0.11 = 0.01 + 0.01 + 0.089$	ELU 1.2D+1.6W1+1.0L
285	Story1	C72	TUB50X50X2	$0.158 = 0.006 + 0.005 + 0.147$	ELU 1.2D+1.6W1+1.0L
286	Story1	C73	TUB50X50X2	$0.16 = 0.004 + 0.003 + 0.153$	ELU 1.2D+1.6W1+1.0L
287	Story1	C74	TUB50X50X2	$0.16 = 0.005 + 0.003 + 0.153$	ELU 1.2D+1.6W1+1.0L
288	Story1	C75	TUB50X50X2	$0.159 = 0.006 + 0.005 + 0.147$	ELU 1.2D+1.6W1+1.0L
289	Story1	C76	TUB50X50X2	$0.109 = 0.01 + 0.01 + 0.089$	ELU 1.2D+1.6W1+1.0L
6	Story1	C1	TUB100X100X3	$0.037 = 0.002 + 0.026 + 0.01$	ELU 1.2D+1.0L-1.0SX-0.3SY
10	Story1	C2	TUB100X100X3	$0.035 = 0.001 + 0.026 + 0.008$	ELU 1.2D+1.0L-1.0SX-0.3SY
45	Story1	C3	TUB50X50X2	$0.03 = 0.03 + 0 + 0$	ELU 1.2D+1.0L-1.0SY-0.3SX
79	Story1	C4	TUB50X50X2	$0.021 = 0.001 + 0.011 + 0.009$	ELU 1.2D+1.0L-1.0SY-0.3SX
110	Story1	C5	TUB50X50X2	$0.02 = 1.422E-04 + 0.014 + 0.005$	ELU 1.2D+1.0L-1.0SX-0.3SY
111	Story1	C6	TUB50X50X2	$0.028 = 0.001 + 0.017 + 0.01$	ELU 1.2D+1.0L-1.0SY-0.3SX
345	Story1	C9	TUB100X100X3	$0.037 = 0.002 + 0.026 + 0.01$	ELU 1.2D+1.0L-1.0SX-0.3SY
346	Story1	C10	TUB100X100X3	$0.035 = 0.001 + 0.025 + 0.008$	ELU 1.2D+1.0L-1.0SX-0.3SY
354	Story1	C24	TUB50X50X2	$0.032 = 0.011 + 0.013 + 0.008$	ELU 1.2D+1.0L-1.0SX-0.3SY
370	Story1	C25	TUB50X50X2	$0.023 = 0.001 + 0.013 + 0.009$	ELU 1.2D+1.0L-1.0SY-0.3SX
371	Story1	C77	TUB50X50X2	$0.021 = 0.001 + 0.014 + 0.006$	ELU 1.2D+1.0L-1.0SX-0.3SY

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
372	Story1	C78	TUB50X50X2	$0.031 = 0.001 + 0.019 + 0.011$	ELU 1.2D+1.0L-1.0SY-0.3SX
387	Story1	C79	TUB50X50X2	$0.039 = 0.012 + 0.021 + 0.006$	ELU 1.2D+1.0L-1.0SX-0.3SY
388	Story1	C80	TUB50X50X2	$0.046 = 0.012 + 0.03 + 0.005$	ELU 1.2D+1.0L-1.0SX-0.3SY
389	Story1	C81	TUB50X50X2	$0.052 = 0.01 + 0.039 + 0.004$	ELU 1.2D+1.0L-1.0SX-0.3SY
390	Story1	C82	TUB50X50X2	$0.055 = 0.014 + 0.033 + 0.008$	ELU 1.2D+1.0L-1.0SX-0.3SY
391	Story1	C83	TUB50X50X2	$0.04 = 0.012 + 0.022 + 0.006$	ELU 1.2D+1.0L-1.0SX-0.3SY
392	Story1	C84	TUB50X50X2	$0.045 = 0.011 + 0.03 + 0.004$	ELU 1.2D+1.0L-1.0SX-0.3SY
393	Story1	C85	TUB50X50X2	$0.052 = 0.01 + 0.038 + 0.004$	ELU 1.2D+1.0L-1.0SX-0.3SY
394	Story1	C86	TUB50X50X2	$0.053 = 0.014 + 0.031 + 0.008$	ELU 1.2D+1.0L-1.0SX-0.3SY

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
3			0.033	0.025	Compact			0	0
4			0.036	0.026	Compact			0	0
7			0.029	0.025	Compact			0	0
8			0.035	0.026	Compact			0	0
21			0.007	0.018	Non-Compact				
22			0.007	0.011	Non-Compact			0	0
24			0.022	0.024	Compact			0	0
25			0.033	0.024	Compact			0	0
26			0.026	0.024	Compact			0	0
27			0.036	0.024	Compact			0	0
28			0.021	0.024	Compact			0	0
29			0.029	0.024	Compact			0	0
30			0.025	0.024	Compact			0	0
31			0.036	0.024	Compact			0	0
42			0.004	0.003	Non-Compact			0	0
72			0.008	0.006	Non-Compact			0	0
73			0.011	0.004	Non-Compact				
74			0.008	0.006	Non-Compact				
80			0.007	0.018	Non-Compact				
81			0.007	0.011	Non-Compact			0	0
89			0.004	0.003	Non-Compact			0	0
105			0.007	0.006	Non-Compact			0	0
106			0.009	0.004	Non-Compact				
107			0.007	0.006	Non-Compact				
128			0.001	0.009	Non-Compact			0	0
129			0.004	0.001	Non-Compact			0	0
130			0.002	0.007	Non-Compact			0	0
131			0.002	0.005	Non-Compact			0	0
132			0.002	0.005	Non-Compact			0	0
133			0.002	0.007	Non-Compact			0	0
134			0.004	0.001	Non-Compact			0	0
159			0.001	0.022	Non-Compact				
160			0.006	0.007	Non-Compact				
161			0.004	0.019	Non-Compact				
162			0.002	0.011	Non-Compact				
163			0.002	0.011	Non-Compact				
164			0.004	0.019	Non-Compact				
165			0.006	0.007	Non-Compact				
190			0.001	0.016	Non-Compact			0	0
191			0.005	0.006	Non-Compact				
192			0.004	0.015	Non-Compact			0	0
193			0.002	0.009	Non-Compact			0	0
194			0.002	0.008	Non-Compact			0	0
195			0.004	0.014	Non-Compact			0	0
196			0.005	0.006	Non-Compact				
221			0.001	0.004	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
222			0.003	0.002	Non-Compact			0	0
223			0.001	0.003	Non-Compact			0	0
224			0.001	0.003	Non-Compact			0	0
225			0.001	0.003	Non-Compact			0	0
226			0.001	0.003	Non-Compact			0	0
227			0.002	0.002	Non-Compact			0	0
252			0.000239	0.043	Non-Compact				
253			0.002	0.025	Non-Compact				
254			0.001	0.035	Non-Compact				
255			0.001	0.035	Non-Compact				
256			0.001	0.035	Non-Compact				
257			0.001	0.035	Non-Compact				
258			0.002	0.025	Non-Compact				
283			0.0003615	0.054	Non-Compact				
284			0.001	0.034	Non-Compact				
285			0.001	0.043	Non-Compact				
286			0.001	0.045	Non-Compact				
287			0.001	0.045	Non-Compact				
288			0.001	0.043	Non-Compact				
289			0.001	0.034	Non-Compact				
6			0.007	0.012	Non-Compact			0	0
10			0.006	0.008	Non-Compact			0	0
45			0.001	0.001	Non-Compact			0	0
79			0.001	0.001	Non-Compact			0	0
110			0.001	0.001	Non-Compact			0	0
111			0.002	0.001	Non-Compact			0	0
345			0.007	0.012	Non-Compact			0	0
346			0.006	0.008	Non-Compact			0	0
354			0.001	0.001	Non-Compact			0	0
370			0.002	0.001	Non-Compact			0	0
371			0.001	0.001	Non-Compact			0	0
372			0.002	0.001	Non-Compact			0	0
387			0.002	0.001	Non-Compact			0	0
388			0.004	0.001	Non-Compact			0	0
389			0.006	0.001	Non-Compact			0	0
390			0.004	0.001	Non-Compact			0	0
391			0.003	0.001	Non-Compact			0	0
392			0.004	0.001	Non-Compact			0	0
393			0.006	0.001	Non-Compact			0	0
394			0.004	0.001	Non-Compact			0	0

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

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
9	Story1	B1	TUB100X100X3	$0.091 = 0.01 + 0.045 + 0.036$	ELU 1.2D+1.0L-1.0SY-0.3SX
11	Story1	B3	TUB100X100X3	$0.096 = 0.016 + 0.046 + 0.034$	ELU 1.2D+1.0L-1.0SY-0.3SX
12	Story1	B4	TUB100X100X3	$0.094 = 0.01 + 0.049 + 0.035$	ELU 1.2D+1.0L-1.0SY-0.3SX
13	Story1	B5	TUB100X100X3	$0.058 = 0.011 + 0.013 + 0.035$	ELU 1.2D+1.0L-1.0SY-0.3SX
14	Story1	B6	TUB100X100X3	$0.103 = 0.016 + 0.052 + 0.034$	ELU 1.2D+1.0L-1.0SY-0.3SX
17	Story1	B9	TUB100X100X3	$0.064 = 0.002 + 0.033 + 0.028$	ELU 1.2D+1.0L-1.0SY-0.3SX
18	Story1	B10	TUB100X100X3	$0.066 = 0.001 + 0.037 + 0.028$	ELU 1.2D+1.0L-1.0SY-0.3SX
19	Story1	B11	TUB100X100X3	$0.067 = 0.001 + 0.039 + 0.027$	ELU 1.2D+1.0L-1.0SY-0.3SX
32	Story1	B14	TUB100X100X3	$0.147 = 0.001 + 0.119 + 0.026$	ELU 1.2D+1.0L-1.0SY-0.3SX
33	Story1	B15	TUB100X100X3	$0.195 = 0.01 + 0.159 + 0.026$	ELU 1.2D+1.0L-1.0SY-0.3SX
35	Story1	B17	TUB100X100X3	$0.203 = 0.014 + 0.17 + 0.02$	ELU 1.2D+1.0L-1.0SY-0.3SX
38	Story1	B19	TUB100X100X3	$0.093 = 0.005 + 0.043 + 0.045$	ELU 1.2D+1.0L-1.0SY-0.3SX
39	Story1	B20	TUB100X100X3	$0.058 = 0.001 + 0.009 + 0.048$	ELU 1.2D+1.0L-1.0SY-0.3SX
40	Story1	B21	TUB100X100X3	$0.156 = 0.007 + 0.124 + 0.025$	ELU 1.2D+1.0L-1.0SY-0.3SX
41	Story1	B22	TUB100X100X3	$0.063 = 0.005 + 0.007 + 0.051$	ELU 1.2D+1.6W2+1.0L

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
59	Story1	B31	TUB100X100X3	$0.081 = 0.016 + 0.017 + 0.049$	ELU 1.2D+1.0L-1.0SY-0.3SX
60	Story1	B32	TUB100X100X3	$0.068 = 0.006 + 0.023 + 0.038$	ELU 1.2D+1.0L-1.0SY-0.3SX
61	Story1	B33	TUB100X100X3	$0.063 = 0.005 + 0.022 + 0.036$	ELU 1.2D+1.0L-1.0SY-0.3SX
62	Story1	B34	TUB100X100X3	$0.09 = 0.02 + 0.016 + 0.054$	ELU 1.2D+1.0L-1.0SY-0.3SX
63	Story1	B35	TUB100X100X3	$0.172 = 0.015 + 0.129 + 0.028$	ELU 1.2D+1.0L-1.0SY-0.3SX
64	Story1	B36	TUB100X100X3	$0.044 = 0.015 + 0.02 + 0.009$	ELU 1.2D+1.0L-1.0SY-0.3SX
65	Story1	B37	TUB100X100X3	$0.044 = 0.01 + 0.011 + 0.023$	ELU 1.2D+1.6W1+1.0L
66	Story1	B38	TUB100X100X3	$0.178 = 0.013 + 0.136 + 0.029$	ELU 1.2D+1.0L-1.0SY-0.3SX
82	Story1	B39	TUB100X100X3	$0.198 = 0.001 + 0.155 + 0.041$	ELU 1.2D+1.0L-1.0SY-0.3SX
83	Story1	B40	TUB100X100X3	$0.319 = 0.01 + 0.269 + 0.04$	ELU 1.2D+1.0L-1.0SY-0.3SX
84	Story1	B41	TUB100X100X3	$0.326 = 0.015 + 0.279 + 0.032$	ELU 1.2D+1.0L-1.0SY-0.3SX
85	Story1	B42	TUB100X100X3	$0.064 = 0.002 + 0.033 + 0.028$	ELU 1.2D+1.0L-1.0SY-0.3SX
86	Story1	B43	TUB100X100X3	$0.036 = 3.729E-04 + 0.006 + 0.029$	ELU 1.2D+1.0L-1.0SY-0.3SX
87	Story1	B44	TUB100X100X3	$0.182 = 0.007 + 0.15 + 0.025$	ELU 1.2D+1.0L-1.0SY-0.3SX
88	Story1	B45	TUB100X100X3	$0.062 = 0.004 + 0.008 + 0.049$	ELU 1.2D+1.6W2+1.0L
92	Story1	B46	TUB100X100X3	$0.052 = 0.004 + 0.004 + 0.044$	ELU 1.2D+1.0L-1.0SX-0.3SY
93	Story1	B47	TUB100X100X3	$0.04 = 0.003 + 0.017 + 0.02$	ELU 1.2D+1.0L-1.0SY-0.3SX
94	Story1	B48	TUB100X100X3	$0.04 = 0.002 + 0.016 + 0.021$	ELU 1.2D+1.0L-1.0SY-0.3SX
95	Story1	B49	TUB100X100X3	$0.058 = 0.011 + 0.013 + 0.035$	ELU 1.2D+1.0L-1.0SY-0.3SX
96	Story1	B50	TUB100X100X3	$0.192 = 0.016 + 0.151 + 0.025$	ELU 1.2D+1.0L-1.0SY-0.3SX
97	Story1	B51	TUB100X100X3	$0.044 = 0.016 + 0.021 + 0.007$	ELU 1.2D+1.0L-1.0SY-0.3SX
98	Story1	B52	TUB100X100X3	$0.041 = 0.014 + 0.021 + 0.007$	ELU 1.2D+1.0L-1.0SY-0.3SX
99	Story1	B53	TUB100X100X3	$0.2 = 0.014 + 0.159 + 0.027$	ELU 1.2D+1.0L-1.0SY-0.3SX
112	Story1	B56	TUB100X100X3	$0.09 = 0.005 + 0.019 + 0.067$	ELU 1.2D+1.0L-1.0SY-0.3SX
113	Story1	B57	TUB100X100X3	$0.081 = 0.011 + 0.007 + 0.062$	ELU 1.2D+1.0L-1.0SY-0.3SX
114	Story1	B58	TUB100X100X3	$0.048 = 0.017 + 0.006 + 0.025$	ELU 1.2D+1.0L-1.0SX-0.3SY
115	Story1	B59	TUB100X100X3	$0.054 = 0.015 + 0.008 + 0.031$	ELU 1.2D+1.0L-1.0SY-0.3SX
116	Story1	B60	TUB100X100X3	$0.054 = 0.015 + 0.008 + 0.031$	ELU 1.2D+1.0L-1.0SY-0.3SX
117	Story1	B61	TUB100X100X3	$0.047 = 0.017 + 0.006 + 0.024$	ELU 1.2D+1.0L-1.0SX-0.3SY
118	Story1	B62	TUB100X100X3	$0.078 = 0.011 + 0.007 + 0.06$	ELU 1.2D+1.0L-1.0SY-0.3SX
119	Story1	B63	TUB100X100X3	$0.091 = 0.004 + 0.018 + 0.069$	ELU 1.2D+1.0L-1.0SY-0.3SX
120	Story1	B64	TUB100X100X3	$0.211 = 0.018 + 0.147 + 0.045$	ELU 1.2D+1.0L-1.0SX-0.3SY
121	Story1	B65	TUB100X100X3	$0.068 = 0.02 + 0.028 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
122	Story1	B66	TUB100X100X3	$0.058 = 0.023 + 0.003 + 0.032$	ELU 1.2D+1.6W1+1.0L
123	Story1	B67	TUB100X100X3	$0.059 = 0.026 + 0.009 + 0.025$	ELU 1.2D+1.6W1+1.0L
124	Story1	B68	TUB100X100X3	$0.059 = 0.026 + 0.008 + 0.025$	ELU 1.2D+1.6W1+1.0L
125	Story1	B69	TUB100X100X3	$0.058 = 0.023 + 0.003 + 0.032$	ELU 1.2D+1.6W1+1.0L
126	Story1	B70	TUB100X100X3	$0.067 = 0.02 + 0.028 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
127	Story1	B71	TUB100X100X3	$0.228 = 0.018 + 0.161 + 0.048$	ELU 1.2D+1.0L-1.0SX-0.3SY
143	Story1	B72	TUB100X100X3	$0.093 = 0.007 + 0.025 + 0.061$	ELU 1.2D+1.0L-1.0SY-0.3SX
144	Story1	B73	TUB100X100X3	$0.076 = 0.01 + 0.005 + 0.061$	ELU 1.2D+1.0L-1.0SY-0.3SX
145	Story1	B74	TUB100X100X3	$0.062 = 0.022 + 0.029 + 0.012$	ELU 1.2D+1.6W1+1.0L
146	Story1	B75	TUB100X100X3	$0.075 = 0.029 + 0.023 + 0.023$	ELU 1.2D+1.6W1+1.0L
147	Story1	B76	TUB100X100X3	$0.072 = 0.029 + 0.022 + 0.021$	ELU 1.2D+1.6W1+1.0L
148	Story1	B77	TUB100X100X3	$0.061 = 0.021 + 0.03 + 0.01$	ELU 1.2D+1.6W1+1.0L
149	Story1	B78	TUB100X100X3	$0.073 = 0.01 + 0.004 + 0.059$	ELU 1.2D+1.0L-1.0SY-0.3SX
150	Story1	B79	TUB100X100X3	$0.091 = 0.008 + 0.022 + 0.062$	ELU 1.2D+1.0L-1.0SY-0.3SX
151	Story1	B80	TUB100X100X3	$0.228 = 0.02 + 0.164 + 0.044$	ELU 1.2D+1.0L-1.0SX-0.3SY
152	Story1	B81	TUB100X100X3	$0.07 = 0.024 + 0.029 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY
153	Story1	B82	TUB100X100X3	$0.055 = 0.023 + 0.006 + 0.026$	ELU 1.2D+1.6W1+1.0L
154	Story1	B83	TUB100X100X3	$0.063 = 0.027 + 0.015 + 0.022$	ELU 1.2D+1.6W1+1.0L
155	Story1	B84	TUB100X100X3	$0.064 = 0.027 + 0.015 + 0.022$	ELU 1.2D+1.6W1+1.0L
156	Story1	B85	TUB100X100X3	$0.055 = 0.023 + 0.006 + 0.026$	ELU 1.2D+1.6W1+1.0L
157	Story1	B86	TUB100X100X3	$0.07 = 0.024 + 0.029 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY
158	Story1	B87	TUB100X100X3	$0.246 = 0.02 + 0.181 + 0.046$	ELU 1.2D+1.0L-1.0SX-0.3SY
174	Story1	B88	TUB100X100X3	$0.093 = 0.007 + 0.02 + 0.066$	ELU 1.2D+1.0L-1.0SY-0.3SX
175	Story1	B89	TUB100X100X3	$0.078 = 0.009 + 0.004 + 0.066$	ELU 1.2D+1.0L-1.0SY-0.3SX
176	Story1	B90	TUB100X100X3	$0.073 = 0.02 + 0.021 + 0.032$	ELU 1.2D+1.0L-1.0SX-0.3SY
177	Story1	B91	TUB100X100X3	$0.069 = 0.02 + 0.016 + 0.033$	ELU 1.2D+1.0L-1.0SX-0.3SY
178	Story1	B92	TUB100X100X3	$0.069 = 0.021 + 0.016 + 0.032$	ELU 1.2D+1.0L-1.0SX-0.3SY
179	Story1	B93	TUB100X100X3	$0.074 = 0.021 + 0.022 + 0.032$	ELU 1.2D+1.0L-1.0SX-0.3SY

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
180	Story1	B94	TUB100X100X3	$0.075 = 0.009 + 0.003 + 0.063$	ELU 1.2D+1.0L-1.0SY-0.3SX
181	Story1	B95	TUB100X100X3	$0.092 = 0.007 + 0.017 + 0.068$	ELU 1.2D+1.0L-1.0SY-0.3SX
182	Story1	B96	TUB100X100X3	$0.213 = 0.016 + 0.143 + 0.054$	ELU 1.2D+1.0L-1.0SX-0.3SY
183	Story1	B97	TUB100X100X3	$0.065 = 0.02 + 0.024 + 0.021$	ELU 1.2D+1.0L-1.0SX-0.3SY
184	Story1	B98	TUB100X100X3	$0.055 = 0.019 + 0.005 + 0.031$	ELU 1.2D+1.0L-1.0SY-0.3SX
185	Story1	B99	TUB100X100X3	$0.056 = 0.021 + 0.01 + 0.025$	ELU 1.2D+1.0L-1.0SY-0.3SX
186	Story1	B100	TUB100X100X3	$0.056 = 0.021 + 0.01 + 0.025$	ELU 1.2D+1.0L-1.0SY-0.3SX
187	Story1	B101	TUB100X100X3	$0.055 = 0.019 + 0.005 + 0.031$	ELU 1.2D+1.0L-1.0SY-0.3SX
188	Story1	B102	TUB100X100X3	$0.065 = 0.019 + 0.024 + 0.021$	ELU 1.2D+1.0L-1.0SX-0.3SY
189	Story1	B103	TUB100X100X3	$0.232 = 0.016 + 0.158 + 0.058$	ELU 1.2D+1.0L-1.0SX-0.3SY
205	Story1	B104	TUB100X100X3	$0.083 = 0.004 + 0.011 + 0.068$	ELU 1.2D+1.0L-1.0SY-0.3SX
206	Story1	B105	TUB100X100X3	$0.048 = 0.009 + 0.002 + 0.038$	ELU 1.2D+1.0L-1.0SY-0.3SX
207	Story1	B106	TUB100X100X3	$0.028 = 0.009 + 0.003 + 0.016$	ELU 1.2D+1.0L-1.0SY-0.3SX
208	Story1	B107	TUB100X100X3	$0.037 = 0.011 + 0.003 + 0.023$	ELU 1.2D+1.0L-1.0SY-0.3SX
209	Story1	B108	TUB100X100X3	$0.037 = 0.011 + 0.003 + 0.023$	ELU 1.2D+1.0L-1.0SY-0.3SX
210	Story1	B109	TUB100X100X3	$0.028 = 0.009 + 0.003 + 0.016$	ELU 1.2D+1.0L-1.0SY-0.3SX
211	Story1	B110	TUB100X100X3	$0.048 = 0.009 + 0.002 + 0.038$	ELU 1.2D+1.0L-1.0SY-0.3SX
212	Story1	B111	TUB100X100X3	$0.084 = 0.005 + 0.011 + 0.068$	ELU 1.2D+1.0L-1.0SY-0.3SX
213	Story1	B112	TUB100X100X3	$0.175 = 0.013 + 0.11 + 0.052$	ELU 1.2D+1.0L-1.0SX-0.3SY
214	Story1	B113	TUB100X100X3	$0.06 = 0.013 + 0.022 + 0.025$	ELU 1.2D+1.0L-1.0SX-0.3SY
215	Story1	B114	TUB100X100X3	$0.048 = 0.012 + 0.002 + 0.034$	ELU 1.2D+1.0L-1.0SY-0.3SX
216	Story1	B115	TUB100X100X3	$0.042 = 0.013 + 0.003 + 0.026$	ELU 1.2D+1.0L-1.0SY-0.3SX
217	Story1	B116	TUB100X100X3	$0.042 = 0.013 + 0.003 + 0.026$	ELU 1.2D+1.0L-1.0SY-0.3SX
218	Story1	B117	TUB100X100X3	$0.048 = 0.012 + 0.002 + 0.034$	ELU 1.2D+1.0L-1.0SY-0.3SX
219	Story1	B118	TUB100X100X3	$0.06 = 0.013 + 0.022 + 0.025$	ELU 1.2D+1.0L-1.0SX-0.3SY
220	Story1	B119	TUB100X100X3	$0.189 = 0.013 + 0.12 + 0.056$	ELU 1.2D+1.0L-1.0SX-0.3SY
236	Story1	B120	TUB100X100X3	$0.06 = 0.002 + 0.004 + 0.053$	ELU 1.2D+1.0L-1.0SY-0.3SX
237	Story1	B121	TUB100X100X3	$0.061 = 0.006 + 0.005 + 0.05$	ELU 1.2D+1.0L-1.0SY-0.3SX
238	Story1	B122	TUB100X100X3	$0.042 = 0 + 0.003 + 0.039$	ELU 1.2D+1.6W2+1.0L
239	Story1	B123	TUB100X100X3	$0.042 = 0.014 + 0.006 + 0.022$	ELU 1.2D+1.0L-1.0SY-0.3SX
240	Story1	B124	TUB100X100X3	$0.041 = 0.014 + 0.006 + 0.021$	ELU 1.2D+1.0L-1.0SY-0.3SX
241	Story1	B125	TUB100X100X3	$0.041 = 0.003 + 0.001 + 0.038$	ELU 0.9D+1.6W2
242	Story1	B126	TUB100X100X3	$0.061 = 0.007 + 0.005 + 0.05$	ELU 1.2D+1.0L-1.0SY-0.3SX
243	Story1	B127	TUB100X100X3	$0.062 = 0.003 + 0.003 + 0.056$	ELU 1.2D+1.0L-1.0SY-0.3SX
244	Story1	B128	TUB100X100X3	$0.12 = 0.003 + 0.003 + 0.114$	ELU 1.2D+1.6W2+1.0L
245	Story1	B129	TUB100X100X3	$0.038 = 0.005 + 4.43E-04 + 0.033$	ELU 1.2D+1.6W2+1.0L
246	Story1	B130	TUB100X100X3	$0.046 = 0.005 + 0 + 0.041$	ELU 1.2D+1.6W2+1.0L
247	Story1	B131	TUB100X100X3	$0.039 = 0.005 + 3.026E-04 + 0.034$	ELU 1.2D+1.6W2+1.0L
248	Story1	B132	TUB100X100X3	$0.039 = 0.005 + 3.106E-04 + 0.034$	ELU 1.2D+1.6W2+1.0L
249	Story1	B133	TUB100X100X3	$0.046 = 0.005 + 0 + 0.041$	ELU 1.2D+1.6W2+1.0L
250	Story1	B134	TUB100X100X3	$0.038 = 0.005 + 3.87E-04 + 0.033$	ELU 1.2D+1.6W2+1.0L
251	Story1	B135	TUB100X100X3	$0.12 = 0.003 + 0.004 + 0.114$	ELU 1.2D+1.6W2+1.0L
267	Story1	B136	TUB100X100X3	$0.058 = 0.008 + 0.004 + 0.047$	ELU 1.2D+1.0L-1.0SY-0.3SX
268	Story1	B137	TUB100X100X3	$0.037 = 0.008 + 0.001 + 0.027$	ELU 1.2D+1.0L-1.0SY-0.3SX
269	Story1	B138	TUB100X100X3	$0.068 = 0.014 + 0.002 + 0.052$	ELU 1.2D+1.6W1+1.0L
270	Story1	B139	TUB100X100X3	$0.069 = 0.017 + 3.252E-04 + 0.052$	ELU 1.2D+1.6W1+1.0L
271	Story1	B140	TUB100X100X3	$0.068 = 0.017 + 3.171E-04 + 0.052$	ELU 1.2D+1.6W1+1.0L
272	Story1	B141	TUB100X100X3	$0.068 = 0.014 + 0.002 + 0.052$	ELU 1.2D+1.6W1+1.0L
273	Story1	B142	TUB100X100X3	$0.036 = 0.008 + 0.001 + 0.027$	ELU 1.2D+1.0L-1.0SY-0.3SX
274	Story1	B143	TUB100X100X3	$0.058 = 0.007 + 0.004 + 0.047$	ELU 1.2D+1.0L-1.0SY-0.3SX
275	Story1	B144	TUB100X100X3	$0.194 = 0.001 + 0.01 + 0.183$	ELU 0.9D+1.6W1
276	Story1	B145	TUB100X100X3	$0.059 = 0.006 + 0.003 + 0.05$	ELU 1.2D+1.6W1+1.0L
277	Story1	B146	TUB100X100X3	$0.076 = 0.008 + 0.002 + 0.066$	ELU 1.2D+1.6W1+1.0L
278	Story1	B147	TUB100X100X3	$0.071 = 0.009 + 0.004 + 0.058$	ELU 1.2D+1.6W1+1.0L
279	Story1	B148	TUB100X100X3	$0.071 = 0.009 + 0.004 + 0.058$	ELU 1.2D+1.6W1+1.0L
280	Story1	B149	TUB100X100X3	$0.076 = 0.008 + 0.002 + 0.066$	ELU 1.2D+1.6W1+1.0L
281	Story1	B150	TUB100X100X3	$0.059 = 0.006 + 0.003 + 0.05$	ELU 1.2D+1.6W1+1.0L
282	Story1	B151	TUB100X100X3	$0.194 = 0.001 + 0.01 + 0.183$	ELU 0.9D+1.6W1
298	Story1	B152	TUB50X50X2	$0.224 = 0.001 + 0.06 + 0.163$	ELU 1.2D+1.0L-1.0SY-0.3SX
299	Story1	B153	TUB50X50X2	$0.306 = 0.001 + 0.086 + 0.219$	ELU 1.2D+1.6W1+1.0L
300	Story1	B154	TUB50X50X2	$0.293 = 0.004 + 0.274 + 0.015$	ELU 1.2D+1.6W1+1.0L

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
301	Story1	B155	TUB50X50X2	$0.308 = 0.002 + 0.109 + 0.196$	ELU 1.2D+1.6W1+1.0L
302	Story1	B156	TUB50X50X2	$0.204 = 0.002 + 0.159 + 0.044$	ELU 1.2D+1.6W1+1.0L
303	Story1	B157	TUB50X50X2	$0.219 = 0.002 + 0.102 + 0.115$	ELU 1.2D+1.6W1+1.0L
304	Story1	B158	TUB50X50X2	$0.351 = 0.006 + 0.343 + 0.002$	ELU 1.2D+1.6W1+1.0L
305	Story1	B159	TUB50X50X2	$0.121 = 0.002 + 0.118 + 0.001$	ELU 1.2D+1.6W1+1.0L
306	Story1	B160	TUB50X50X2	$0.205 = 0.002 + 0.16 + 0.043$	ELU 1.2D+1.6W1+1.0L
307	Story1	B161	TUB50X50X2	$0.218 = 0.002 + 0.103 + 0.113$	ELU 1.2D+1.6W1+1.0L
308	Story1	B162	TUB50X50X2	$0.295 = 0.004 + 0.28 + 0.01$	ELU 1.2D+1.6W1+1.0L
309	Story1	B163	TUB50X50X2	$0.31 = 0.002 + 0.112 + 0.196$	ELU 1.2D+1.6W1+1.0L
310	Story1	B164	TUB50X50X2	$0.223 = 0.001 + 0.059 + 0.163$	ELU 1.2D+1.0L-1.0SY-0.3SX
311	Story1	B165	TUB50X50X2	$0.309 = 0.001 + 0.088 + 0.221$	ELU 1.2D+1.6W1+1.0L
312	Story1	B166	TUB50X50X2	$0.236 = 0.001 + 0.053 + 0.182$	ELU 1.2D+1.0L-1.0SY-0.3SX
313	Story1	B167	TUB50X50X2	$0.335 = 0.001 + 0.092 + 0.242$	ELU 1.2D+1.0L-1.0SY-0.3SX
314	Story1	B168	TUB50X50X2	$0.29 = 0.012 + 0.193 + 0.085$	ELU 1.2D+1.6W1+1.0L
315	Story1	B169	TUB50X50X2	$0.326 = 0.001 + 0.107 + 0.218$	ELU 1.2D+1.0L-1.0SY-0.3SX
316	Story1	B170	TUB50X50X2	$0.176 = 0.002 + 0.092 + 0.082$	ELU 1.2D+1.0L-1.0SY-0.3SX
317	Story1	B171	TUB50X50X2	$0.22 = 0.001 + 0.092 + 0.127$	ELU 1.2D+1.0L-1.0SY-0.3SX
318	Story1	B172	TUB50X50X2	$0.253 = 0.017 + 0.235 + 0.001$	ELU 1.2D+1.6W1+1.0L
319	Story1	B173	TUB50X50X2	$0.114 = 0.002 + 0.112 + 0$	ELU 1.2D+1.6W1+1.0L
320	Story1	B174	TUB50X50X2	$0.176 = 0.002 + 0.092 + 0.083$	ELU 1.2D+1.0L-1.0SY-0.3SX
321	Story1	B175	TUB50X50X2	$0.22 = 0.001 + 0.092 + 0.128$	ELU 1.2D+1.0L-1.0SY-0.3SX
322	Story1	B176	TUB50X50X2	$0.285 = 0.012 + 0.187 + 0.086$	ELU 1.2D+1.6W1+1.0L
323	Story1	B177	TUB50X50X2	$0.324 = 0.001 + 0.105 + 0.218$	ELU 1.2D+1.0L-1.0SY-0.3SX
324	Story1	B178	TUB50X50X2	$0.237 = 0.001 + 0.053 + 0.183$	ELU 1.2D+1.0L-1.0SY-0.3SX
325	Story1	B179	TUB50X50X2	$0.333 = 0.001 + 0.093 + 0.24$	ELU 1.2D+1.0L-1.0SY-0.3SX
1	Story1	B2	TUB100X100X3	$0.036 = 0.003 + 0.01 + 0.023$	ELU 1.2D+1.0L-1.0SY-0.3SX
2	Story1	B7	TUB100X100X3	$0.04 = 0.005 + 0.015 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY
5	Story1	B8	TUB100X100X3	$0.024 = 0.001 + 0.008 + 0.015$	ELU 1.2D+1.0L-1.0SX-0.3SY
15	Story1	B12	TUB100X100X3	$0.048 = 0.001 + 0.013 + 0.034$	ELU 1.2D+1.0L-1.0SX-0.3SY
16	Story1	B13	TUB100X100X3	$0.065 = 0.004 + 0.021 + 0.04$	ELU 1.2D+1.0L-1.0SY-0.3SX
20	Story1	B16	TUB100X100X3	$0.059 = 0.005 + 0.025 + 0.029$	ELU 1.2D+1.0L-1.0SY-0.3SX
23	Story1	B18	TUB100X100X3	$0.035 = 0.003 + 0.005 + 0.027$	ELU 1.2D+1.0L-1.0SY-0.3SX
34	Story1	B23	TUB100X100X3	$0.02 = 0.001 + 0.002 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY
36	Story1	B24	TUB100X100X3	$0.035 = 0.004 + 0.011 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
37	Story1	B25	TUB100X100X3	$0.03 = 0.001 + 0.008 + 0.021$	ELU 1.2D+1.0L-1.0SX-0.3SY
48	Story1	B26	TUB100X100X3	$0.059 = 0.003 + 0.003 + 0.053$	ELU 1.2D+1.0L-1.0SX-0.3SY
49	Story1	B27	TUB100X100X3	$0.023 = 0.001 + 0.002 + 0.021$	ELU 1.2D+1.0L-1.0SX-0.3SY
50	Story1	B28	TUB100X100X3	$0.021 = 0.001 + 0.002 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY
51	Story1	B29	TUB100X100X3	$0.059 = 0.004 + 0.01 + 0.045$	ELU 1.2D+1.0L-1.0SX-0.3SY
52	Story1	B30	TUB100X100X3	$0.026 = 0.004 + 0.015 + 0.008$	ELU 1.2D+1.0L-1.0SY-0.3SX
53	Story1	B54	TUB100X100X3	$0.008 = 0.004 + 0.001 + 0.004$	ELU 1.2D+1.0L-1.0SY-0.3SX
54	Story1	B55	TUB100X100X3	$0.009 = 0.005 + 0.001 + 0.003$	ELU 1.2D+1.0L-1.0SY-0.3SX
55	Story1	B180	TUB100X100X3	$0.028 = 0.005 + 0.019 + 0.005$	ELU 1.2D+1.0L-1.0SY-0.3SX
328	Story1	B181	TUB100X100X3	$0.044 = 0.002 + 0.032 + 0.01$	ELU 1.2D+1.0L-1.0SX-0.3SY
329	Story1	B182	TUB100X100X3	$0.084 = 0.001 + 0.066 + 0.018$	ELU 1.2D+1.0L-1.0SX-0.3SY
330	Story1	B183	TUB100X100X3	$0.117 = 0.003 + 0.09 + 0.023$	ELU 1.2D+1.0L-1.0SX-0.3SY
331	Story1	B184	TUB100X100X3	$0.036 = 4.875E-04 + 0.018 + 0.018$	ELU 1.2D+1.0L-1.0SY-0.3SX
332	Story1	B185	TUB100X100X3	$0.067 = 2.274E-04 + 0.009 + 0.058$	ELU 1.2D+1.6W2+1.0L
333	Story1	B186	TUB100X100X3	$0.178 = 0.002 + 0.154 + 0.022$	ELU 1.2D+1.0L-1.0SX-0.3SY
334	Story1	B187	TUB100X100X3	$0.165 = 0.002 + 0.152 + 0.011$	ELU 1.2D+1.0L-1.0SX-0.3SY
335	Story1	B188	TUB100X100X3	$0.131 = 0.003 + 0.11 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY
336	Story1	B189	TUB100X100X3	$0.109 = 0.001 + 0.095 + 0.013$	ELU 1.2D+1.0L-1.0SX-0.3SY
337	Story1	B190	TUB100X100X3	$0.133 = 0.001 + 0.1 + 0.031$	ELU 1.2D+1.0L-1.0SX-0.3SY
338	Story1	B191	TUB100X100X3	$0.095 = 0.002 + 0.001 + 0.093$	ELU 1.2D+1.6W1+1.0L
339	Story1	B192	TUB100X100X3	$0.136 = 0.002 + 0.11 + 0.024$	ELU 1.2D+1.0L-1.0SX-0.3SY
340	Story1	B193	TUB100X100X3	$0.04 = 0.003 + 0.013 + 0.025$	ELU 1.2D+1.0L-1.0SY-0.3SX
341	Story1	B194	TUB100X100X3	$0.039 = 0.002 + 0.007 + 0.03$	ELU 1.2D+1.0L-1.0SX-0.3SY
342	Story1	B195	TUB100X100X3	$0.048 = 0.005 + 0.019 + 0.023$	ELU 1.2D+1.0L-1.0SX-0.3SY
343	Story1	B196	TUB100X100X3	$0.019 = 0.002 + 0.003 + 0.014$	ELU 1.2D+1.0L-1.0SY-0.3SX
344	Story1	B197	TUB100X100X3	$0.023 = 0.001 + 0.008 + 0.014$	ELU 1.2D+1.0L-1.0SX-0.3SY
347	Story1	B198	TUB100X100X3	$0.049 = 0.001 + 0.013 + 0.034$	ELU 1.2D+1.0L-1.0SX-0.3SY

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
348	Story1	B199	TUB100X100X3	$0.066 = 0.004 + 0.022 + 0.04$	ELU 1.2D+1.0L-1.0SY-0.3SX
349	Story1	B200	TUB100X100X3	$0.061 = 0.006 + 0.026 + 0.029$	ELU 1.2D+1.0L-1.0SY-0.3SX
350	Story1	B201	TUB100X100X3	$0.019 = 0.002 + 0.003 + 0.014$	ELU 1.2D+1.0L-1.0SY-0.3SX
351	Story1	B202	TUB100X100X3	$0.013 = 4.288E-04 + 0.002 + 0.011$	ELU 1.2D+1.0L-1.0SX-0.3SY
352	Story1	B203	TUB100X100X3	$0.036 = 0.004 + 0.012 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
353	Story1	B204	TUB100X100X3	$0.031 = 0.002 + 0.008 + 0.021$	ELU 1.2D+1.0L-1.0SX-0.3SY
357	Story1	B205	TUB100X100X3	$0.038 = 0.002 + 0.002 + 0.034$	ELU 1.2D+1.0L-1.0SX-0.3SY
358	Story1	B206	TUB100X100X3	$0.021 = 0.001 + 0.001 + 0.02$	ELU 1.2D+1.0L-1.0SX-0.3SY
359	Story1	B207	TUB100X100X3	$0.02 = 0.001 + 0.001 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY
360	Story1	B208	TUB100X100X3	$0.039 = 0.002 + 0.007 + 0.03$	ELU 1.2D+1.0L-1.0SX-0.3SY
361	Story1	B209	TUB100X100X3	$0.025 = 0.004 + 0.016 + 0.006$	ELU 1.2D+1.0L-1.0SY-0.3SX
362	Story1	B210	TUB100X100X3	$0.008 = 0.004 + 0.002 + 0.002$	ELU 1.2D+1.0L-1.0SY-0.3SX
363	Story1	B211	TUB100X100X3	$0.008 = 0.005 + 0.001 + 0.002$	ELU 1.2D+1.0L-1.0SY-0.3SX
364	Story1	B212	TUB100X100X3	$0.027 = 0.005 + 0.019 + 0.004$	ELU 1.2D+1.0L-1.0SY-0.3SX
375	Story1	B213	TUB100X100X3	$0.038 = 0.001 + 0.019 + 0.018$	ELU 1.2D+1.0L-1.0SY-0.3SX
376	Story1	B214	TUB100X100X3	$0.043 = 0.002 + 0.032 + 0.009$	ELU 1.2D+1.0L-1.0SX-0.3SY
377	Story1	B215	TUB100X100X3	$0.084 = 0.001 + 0.066 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY
378	Story1	B216	TUB100X100X3	$0.127 = 0.004 + 0.095 + 0.029$	ELU 1.2D+1.0L-1.0SX-0.3SY
379	Story1	B217	TUB100X100X3	$0.159 = 0.002 + 0.127 + 0.03$	ELU 1.2D+1.0L-1.0SX-0.3SY
380	Story1	B218	TUB100X100X3	$0.159 = 0.001 + 0.116 + 0.042$	ELU 1.2D+1.0L-1.0SX-0.3SY
381	Story1	B219	TUB100X100X3	$0.095 = 0.002 + 3.884E-04 + 0.092$	ELU 1.2D+1.6W1+1.0L
382	Story1	B220	TUB100X100X3	$0.195 = 0.002 + 0.176 + 0.016$	ELU 1.2D+1.0L-1.0SX-0.3SY
383	Story1	B221	TUB100X100X3	$0.21 = 0.002 + 0.179 + 0.029$	ELU 1.2D+1.0L-1.0SX-0.3SY
384	Story1	B222	TUB100X100X3	$0.066 = 1.279E-04 + 0.007 + 0.059$	ELU 1.2D+1.6W2+1.0L
385	Story1	B223	TUB100X100X3	$0.112 = 0.002 + 0.096 + 0.014$	ELU 1.2D+1.0L-1.0SX-0.3SY
386	Story1	B224	TUB100X100X3	$0.145 = 0.003 + 0.115 + 0.027$	ELU 1.2D+1.0L-1.0SX-0.3SY
395	Story1	B225	TUB50X50X2	$0.199 = 0.003 + 0.178 + 0.018$	ELU 1.2D+1.6W1+1.0L
397	Story1	B227	TUB50X50X2	$0.182 = 0.003 + 0.159 + 0.02$	ELU 1.2D+1.6W1+1.0L
398	Story1	B228	TUB50X50X2	$0.215 = 0.001 + 0.208 + 0.006$	ELU 1.2D+1.6W1+1.0L
400	Story1	B230	TUB50X50X2	$0.188 = 2.655E-04 + 0.179 + 0.009$	ELU 1.2D+1.6W1+1.0L
401	Story1	B231	TUB50X50X2	$0.191 = 0.003 + 0.14 + 0.048$	ELU 1.2D+1.0L-1.0SX-0.3SY
403	Story1	B233	TUB50X50X2	$0.182 = 0.004 + 0.13 + 0.049$	ELU 1.2D+1.0L-1.0SX-0.3SY
404	Story1	B234	TUB50X50X2	$0.075 = 0.004 + 0.06 + 0.011$	ELU 1.2D+1.0L-1.0SX-0.3SY
406	Story1	B236	TUB50X50X2	$0.071 = 0.005 + 0.055 + 0.011$	ELU 1.2D+1.0L-1.0SX-0.3SY
407	Story1	B237	TUB100X100X3	$0.176 = 0.025 + 0.096 + 0.055$	ELU 1.2D+1.6W1+1.0L
408	Story1	B238	TUB100X100X3	$0.1 = 0.039 + 0.057 + 0.004$	ELU 1.2D+1.6W1+1.0L
409	Story1	B239	TUB100X100X3	$0.101 = 0.04 + 0.057 + 0.004$	ELU 1.2D+1.6W1+1.0L
410	Story1	B240	TUB100X100X3	$0.189 = 0.028 + 0.107 + 0.054$	ELU 1.2D+1.6W1+1.0L
411	Story1	B241	TUB100X100X3	$0.154 = 0.001 + 0.108 + 0.044$	ELU 1.2D+1.6W1+1.0L
412	Story1	B242	TUB100X100X3	$0.07 = 0 + 0.063 + 0.006$	ELU 1.2D+1.6W1+1.0L
413	Story1	B243	TUB100X100X3	$0.07 = 0 + 0.064 + 0.006$	ELU 1.2D+1.6W1+1.0L
414	Story1	B244	TUB100X100X3	$0.174 = 0.001 + 0.128 + 0.045$	ELU 1.2D+1.6W1+1.0L
415	Story1	B245	TUB100X100X3	$0.162 = 0.018 + 0.065 + 0.078$	ELU 1.2D+1.0L-1.0SY-0.3SX
416	Story1	B246	TUB100X100X3	$0.095 = 0.031 + 0.024 + 0.04$	ELU 1.2D+1.0L-1.0SY-0.3SX
417	Story1	B247	TUB100X100X3	$0.092 = 0.032 + 0.024 + 0.037$	ELU 1.2D+1.0L-1.0SY-0.3SX
418	Story1	B248	TUB100X100X3	$0.171 = 0.021 + 0.072 + 0.078$	ELU 1.2D+1.0L-1.0SY-0.3SX
419	Story1	B249	TUB100X100X3	$0.131 = 0.025 + 0.037 + 0.069$	ELU 1.2D+1.0L-1.0SY-0.3SX
420	Story1	B250	TUB100X100X3	$0.111 = 0.033 + 0.054 + 0.023$	ELU 1.2D+1.6W1+1.0L
421	Story1	B251	TUB100X100X3	$0.111 = 0.034 + 0.055 + 0.022$	ELU 1.2D+1.6W1+1.0L
422	Story1	B252	TUB100X100X3	$0.136 = 0.029 + 0.038 + 0.069$	ELU 1.2D+1.0L-1.0SY-0.3SX
423	Story1	B253	TUB50X50X2	$0.366 = 0.014 + 0.27 + 0.083$	ELU 1.2D+1.6W1+1.0L
424	Story1	B254	TUB100X100X3	$0.22 = 0.004 + 0.123 + 0.092$	ELU 1.2D+1.0L-1.0SY-0.3SX
425	Story1	B255	TUB100X100X3	$0.284 = 0.007 + 0.247 + 0.03$	ELU 1.2D+1.6W1+1.0L
426	Story1	B256	TUB100X100X3	$0.285 = 0.006 + 0.247 + 0.032$	ELU 1.2D+1.6W1+1.0L
427	Story1	B257	TUB100X100X3	$0.251 = 0.005 + 0.179 + 0.067$	ELU 1.2D+1.6W1+1.0L
428	Story1	B258	TUB100X100X3	$0.129 = 0.001 + 0.05 + 0.079$	ELU 1.2D+1.0L-1.0SY-0.3SX
429	Story1	B259	TUB100X100X3	$0.126 = 0.001 + 0.08 + 0.045$	ELU 1.2D+1.6W1+1.0L
430	Story1	B260	TUB50X50X2	$0.452 = 0.021 + 0.43 + 0.002$	ELU 1.2D+1.6W1+1.0L
431	Story1	B261	TUB100X100X3	$0.237 = 0.01 + 0.227 + 0.001$	ELU 1.2D+1.6W1+1.0L
432	Story1	B262	TUB100X100X3	$0.327 = 0.009 + 0.319 + 1.52E-04$	ELU 1.2D+1.6W1+1.0L
433	Story1	B263	TUB100X100X3	$0.327 = 0.008 + 0.319 + 2.789E-04$	ELU 1.2D+1.6W1+1.0L

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo
434	Story1	B264	TUB100X100X3	$0.228 = 0.007 + 0.22 + 0.002$	ELU 1.2D+1.6W1+1.0L
435	Story1	B265	TUB100X100X3	$0.088 = 2.35E-04 + 0.049 + 0.038$	ELU 1.2D+1.0L-1.0SX-0.3SY
436	Story1	B266	TUB100X100X3	$0.105 = 0.005 + 0.1 + 2.649E-04$	ELU 0.9D+1.6W2
437	Story1	B267	TUB50X50X2	$0.37 = 0.014 + 0.271 + 0.085$	ELU 1.2D+1.6W1+1.0L
438	Story1	B268	TUB100X100X3	$0.211 = 0.004 + 0.12 + 0.086$	ELU 1.2D+1.0L-1.0SY-0.3SX
439	Story1	B269	TUB100X100X3	$0.277 = 0.007 + 0.241 + 0.03$	ELU 1.2D+1.6W1+1.0L
440	Story1	B270	TUB100X100X3	$0.278 = 0.006 + 0.241 + 0.031$	ELU 1.2D+1.6W1+1.0L
441	Story1	B271	TUB100X100X3	$0.24 = 0.005 + 0.173 + 0.062$	ELU 1.2D+1.6W1+1.0L
442	Story1	B272	TUB100X100X3	$0.125 = 0.001 + 0.049 + 0.075$	ELU 1.2D+1.0L-1.0SY-0.3SX
443	Story1	B273	TUB100X100X3	$0.122 = 0.001 + 0.079 + 0.042$	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
9			0.031	0.032	Non-Compact	-1.16	-1.15
11			0.033	0.025	Non-Compact	1.13	1.13
12			0.033	0.031	Non-Compact	-1.21	-1.21
13			0.002	0.012	Non-Compact	-0.02	0.04
14			0.034	0.024	Non-Compact	1.16	1.16
17			0.01	0.011	Non-Compact	-0.23	0.06
18			0.018	0.028	Non-Compact	0.69	0.69
19			0.019	0.028	Non-Compact	0.7	0.71
32			0.043	0.031	Non-Compact	1.43	1.43
33			0.146	0.031	Non-Compact	-5.26	-5.26
35			0.152	0.021	Non-Compact	5.46	5.47
38			0.014	0.019	Non-Compact	-0.3	-0.29
39			0.002	0.017	Non-Compact	-0.08	0.08
40			0.029	0.007	Non-Compact	-0.97	-0.97
41			0.006	0.007	Non-Compact	-0.15	-0.14
59			0.002	0.019	Non-Compact	0.02	0.03
60			0.003	0.012	Non-Compact	0.07	0.08
61			0.003	0.01	Non-Compact	-0.07	-0.06
62			0.001	0.017	Non-Compact	0.01	0.02
63			0.026	0.005	Non-Compact	-0.86	-0.85
64			0.002	0.003	Non-Compact	-0.06	0.06
65			0.002	0.003	Non-Compact	-0.06	0.06
66			0.027	0.006	Non-Compact	0.86	0.87
82			0.046	0.031	Non-Compact	1.49	0
83			0.153	0.031	Non-Compact	0	0
84			0.157	0.022	Non-Compact	0	0
85			0.01	0.011	Non-Compact	-0.23	-0.22
86			0.002	0.01	Non-Compact	-0.05	0.06
87			0.03	0.007	Non-Compact	0	-1
88			0.006	0.007	Non-Compact	-0.16	-0.15
92			0.001	0.012	Non-Compact	-0.02	0.03
93			0.002	0.006	Non-Compact	-0.06	0.06
94			0.002	0.005	Non-Compact	-0.05	0.05
95			0.002	0.01	Non-Compact	0.03	0.04
96			0.027	0.004	Non-Compact	0	-0.88
97			0.002	0.002	Non-Compact	-0.06	0.07
98			0.002	0.002	Non-Compact	-0.07	0.07
99			0.028	0.005	Non-Compact	0.89	0
112			0.006	0.01	Non-Compact	-0.17	-0.16
113			0.003	0.009	Non-Compact	-0.07	-0.06
114			0.001	0.005	Non-Compact	-0.02	0.02
115			0.002	0.004	Non-Compact	-0.03	-0.02
116			0.002	0.004	Non-Compact	0.02	0.03
117			0.001	0.005	Non-Compact	-0.02	0.02

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. V I- End tonf	Conn. V J- End tonf
118			0.003	0.009	Non-Compact	0.06	0.07
119			0.006	0.01	Non-Compact	0.15	0.17
120			0.022	0.009	Non-Compact	-0.64	-0.63
121			0.004	0.007	Non-Compact	-0.11	0.12
122			0.002	0.004	Non-Compact	-0.05	0.05
123			0.001	0.002	Non-Compact	0.01	0.003272
124			0.001	0.002	Non-Compact	-0.003455	0.01
125			0.002	0.004	Non-Compact	-0.05	0.05
126			0.004	0.007	Non-Compact	-0.11	0.11
127			0.022	0.009	Non-Compact	0.63	0
143			0.007	0.01	Non-Compact	-0.17	-0.16
144			0.003	0.008	Non-Compact	-0.06	-0.05
145			0.004	0.003	Non-Compact	0.03	0.04
146			0.004	0.003	Non-Compact	-0.04	-0.03
147			0.004	0.003	Non-Compact	0.03	0.04
148			0.004	0.003	Non-Compact	-0.04	0.03
149			0.003	0.008	Non-Compact	0.05	0.06
150			0.006	0.01	Non-Compact	0.15	0.16
151			0.025	0.008	Non-Compact	-0.67	-0.66
152			0.004	0.006	Non-Compact	-0.12	0.11
153			0.002	0.003	Non-Compact	-0.05	0.05
154			0.002	0.001	Non-Compact	0.02	0.01
155			0.002	0.001	Non-Compact	0.01	0.02
156			0.002	0.003	Non-Compact	-0.05	0.05
157			0.004	0.006	Non-Compact	-0.11	0.12
158			0.025	0.008	Non-Compact	0.65	0
174			0.006	0.01	Non-Compact	-0.13	-0.12
175			0.003	0.01	Non-Compact	-0.06	-0.04
176			0.004	0.005	Non-Compact	0.03	0.04
177			0.004	0.004	Non-Compact	-0.04	-0.03
178			0.004	0.004	Non-Compact	0.03	0.04
179			0.004	0.005	Non-Compact	-0.05	0.03
180			0.003	0.009	Non-Compact	0.04	0.06
181			0.005	0.01	Non-Compact	0.12	0.13
182			0.021	0.009	Non-Compact	-0.58	-0.57
183			0.004	0.007	Non-Compact	-0.11	0.1
184			0.002	0.004	Non-Compact	-0.04	0.04
185			0.002	0.001	Non-Compact	0.02	0.01
186			0.002	0.001	Non-Compact	0.01	0.02
187			0.002	0.004	Non-Compact	-0.04	0.04
188			0.004	0.007	Non-Compact	-0.09	0.11
189			0.022	0.009	Non-Compact	0.57	0
205			0.004	0.011	Non-Compact	-0.12	0.12
206			0.002	0.006	Non-Compact	-0.05	0.04
207			0.001	0.002	Non-Compact	-0.02	0.01
208			0.001	0.003	Non-Compact	-0.02	0.02
209			0.001	0.003	Non-Compact	-0.02	0.02
210			0.001	0.002	Non-Compact	-0.01	0.02
211			0.002	0.006	Non-Compact	-0.04	0.05
212			0.004	0.011	Non-Compact	-0.12	0.13
213			0.016	0.01	Non-Compact	-0.51	-0.49
214			0.003	0.007	Non-Compact	-0.09	0.1
215			0.002	0.004	Non-Compact	-0.04	0.04
216			0.001	0.002	Non-Compact	-0.01	0.01
217			0.001	0.002	Non-Compact	0.01	0.01
218			0.002	0.004	Non-Compact	-0.04	0.04
219			0.003	0.007	Non-Compact	-0.1	0.09
220			0.016	0.01	Non-Compact	0.48	0

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. V I- End tonf	Conn. V J- End tonf
236			0.001	0.006	Non-Compact	-0.03	0.03
237			0.002	0.006	Non-Compact	-0.02	-0.01
238			0.001	0.009	Non-Compact	-0.01	0.02
239			0.001	0.006	Non-Compact	-0.02	0.01
240			0.001	0.006	Non-Compact	-0.01	0.02
241			0.001	0.009	Non-Compact	-0.02	0.01
242			0.002	0.006	Non-Compact	0.01	0.02
243			0.001	0.006	Non-Compact	-0.03	0.03
244			0.004	0.012	Non-Compact	-0.08	-0.07
245			0.001	0.005	Non-Compact	-0.02	0.02
246			0.001	0.002	Non-Compact	-0.01	0.01
247			0.001	0.001	Non-Compact	-0.01	0.01
248			0.001	0.001	Non-Compact	-0.01	0.01
249			0.001	0.002	Non-Compact	-0.01	0.01
250			0.001	0.005	Non-Compact	-0.02	0.02
251			0.004	0.012	Non-Compact	0.07	0.08
267			0.001	0.005	Non-Compact	-0.03	0.03
268			0.001	0.005	Non-Compact	0.01	0.01
269			0.001	0.009	Non-Compact	-0.01	0.01
270			0.001	0.01	Non-Compact	-0.02	0.02
271			0.001	0.01	Non-Compact	-0.02	0.02
272			0.001	0.009	Non-Compact	-0.01	0.01
273			0.001	0.005	Non-Compact	-0.01	0.01
274			0.001	0.006	Non-Compact	-0.03	0.03
275			0.004	0.018	Non-Compact	-0.12	0.11
276			0.001	0.008	Non-Compact	-0.03	0.03
277			0.001	0.004	Non-Compact	-0.02	0.02
278			0.001	0.001	Non-Compact	-0.01	0.01
279			0.001	0.001	Non-Compact	-0.01	0.01
280			0.001	0.004	Non-Compact	-0.02	0.02
281			0.001	0.008	Non-Compact	-0.03	0.03
282			0.004	0.018	Non-Compact	-0.11	0.12
298			0.008	0.059	Non-Compact	-0.06	-0.05
299			0.025	0.068	Non-Compact	0.24	0.24
300			0.035	0.024	Non-Compact	-0.17	-0.17
301			0.025	0.061	Non-Compact	0.17	0.17
302			0.012	0.026	Non-Compact	-0.05	-0.05
303			0.022	0.036	Non-Compact	0.12	0.13
304			0.045	0.003	Non-Compact	-0.2	-0.2
305			0.025	0.004	Non-Compact	0.12	0.12
306			0.012	0.026	Non-Compact	-0.05	-0.05
307			0.022	0.035	Non-Compact	0.13	0.13
308			0.036	0.023	Non-Compact	-0.17	-0.17
309			0.026	0.061	Non-Compact	0.17	0.18
310			0.008	0.059	Non-Compact	-0.05	-0.05
311			0.025	0.069	Non-Compact	0.24	0.24
312			0.007	0.065	Non-Compact	0.06	0.06
313			0.026	0.075	Non-Compact	-0.22	-0.22
314			0.029	0.035	Non-Compact	0.15	0.15
315			0.028	0.068	Non-Compact	-0.18	-0.18
316			0.009	0.029	Non-Compact	0.04	0.04
317			0.023	0.039	Non-Compact	-0.14	-0.14
318			0.036	0.002	Non-Compact	0.18	0.18
319			0.027	0.007	Non-Compact	-0.14	-0.14
320			0.009	0.029	Non-Compact	0.04	0.04
321			0.023	0.04	Non-Compact	-0.14	-0.14
322			0.028	0.035	Non-Compact	0.15	0.15
323			0.028	0.068	Non-Compact	-0.18	-0.18

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. V I- End tonf	Conn. V J- End tonf
324			0.007	0.065	Non-Compact	0.07	0.07
325			0.026	0.075	Non-Compact	-0.22	-0.22
1			0.005	0.017	Non-Compact	0.17	0.17
2			0.005	0.009	Non-Compact	-0.19	-0.19
5			0.004	0.01	Non-Compact	0.07	0.08
15			0.007	0.015	Non-Compact	0.24	0.25
16			0.012	0.02	Non-Compact	0.45	0.46
20			0.011	0.017	Non-Compact	0.35	0.36
23			0.002	0.008	Non-Compact	-0.04	-0.04
34			0.002	0.005	Non-Compact	-0.03	0.03
36			0.003	0.003	Non-Compact	-0.1	-0.09
37			0.002	0.004	Non-Compact	-0.05	-0.05
48			0.002	0.011	Non-Compact	-0.04	0.05
49			0.001	0.003	Non-Compact	-0.02	0.02
50			0.001	0.002	Non-Compact	-0.02	0.02
51			0.002	0.011	Non-Compact	0.05	0.06
52			0.003	0.001	Non-Compact	-0.1	0.09
53			0.001	0.001	Non-Compact	-0.01	0.02
54			0.0004971	0.00035	Non-Compact	-0.01	0.01
55			0.003	0.001	Non-Compact	-0.12	0.12
328			0.01	0.006	Non-Compact	-0.34	-0.34
329			0.016	0.011	Non-Compact	0.58	0.59
330			0.022	0.013	Non-Compact	0.78	0.78
331			0.009	0.004	Non-Compact	-0.31	-0.31
332			0.01	0.012	Non-Compact	-0.32	-0.31
333			0.033	0.011	Non-Compact	1.15	1.16
334			0.033	0.01	Non-Compact	1.04	1.05
335			0.026	0.009	Non-Compact	0.84	0.85
336			0.023	0.01	Non-Compact	0.7	0.7
337			0.021	0.016	Non-Compact	0.76	0.76
338			0.008	0.023	Non-Compact	-0.28	-0.27
339			0.023	0.013	Non-Compact	0.89	0.9
340			0.005	0.017	Non-Compact	0.19	0.2
341			0.002	0.007	Non-Compact	-0.03	0.04
342			0.006	0.009	Non-Compact	-0.22	-0.21
343			0.001	0.005	Non-Compact	-0.03	0.02
344			0.004	0.009	Non-Compact	0.07	0.07
347			0.007	0.016	Non-Compact	0.25	0.25
348			0.013	0.02	Non-Compact	0.47	0.47
349			0.011	0.017	Non-Compact	0.38	0.38
350			0.001	0.005	Non-Compact	-0.03	-0.02
351			0.001	0.003	Non-Compact	-0.02	0.02
352			0.004	0.003	Non-Compact	-0.11	-0.1
353			0.002	0.004	Non-Compact	-0.05	-0.05
357			0.001	0.007	Non-Compact	-0.03	0.03
358			0.001	0.002	Non-Compact	-0.02	0.02
359			0.001	0.001	Non-Compact	-0.02	0.02
360			0.002	0.007	Non-Compact	0.03	0.04
361			0.003	0.001	Non-Compact	-0.1	0.1
362			0.001	0.001	Non-Compact	-0.01	0.02
363			0.001	0.0002249	Non-Compact	-0.01	0.01
364			0.003	0.001	Non-Compact	-0.12	0.12
375			0.009	0.005	Non-Compact	0.3	0.31
376			0.011	0.005	Non-Compact	0.35	0.35
377			0.016	0.01	Non-Compact	-0.58	-0.58
378			0.023	0.015	Non-Compact	-0.8	-0.8
379			0.024	0.013	Non-Compact	0	-0.92
380			0.022	0.017	Non-Compact	0	-0.78

UniqueName	V Ratio	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. V I- End tonf	Conn. V J- End tonf
381			0.008	0.023	Non-Compact	0.28	0.29
382			0.034	0.011	Non-Compact	0	-1.06
383			0.034	0.012	Non-Compact	0	-1.17
384			0.01	0.012	Non-Compact	0.31	0.31
385			0.025	0.011	Non-Compact	-0.75	-0.74
386			0.028	0.013	Non-Compact	-0.88	-0.88
395			0.037	0.007	Non-Compact	0.07	0.15
397			0.035	0.007	Non-Compact	-0.15	-0.07
398			0.04	0.003	Non-Compact	0.05	0.14
400			0.036	0.003	Non-Compact	0.13	-0.05
401			0.032	0.011	Non-Compact	0.07	0.15
403			0.03	0.01	Non-Compact	-0.15	-0.07
404			0.021	0.004	Non-Compact	-0.05	0.08
406			0.02	0.004	Non-Compact	-0.08	0.06
407			0.024	0.008	Non-Compact	0.25	0
408			0.02	0.004	Non-Compact	0	0
409			0.02	0.003	Non-Compact	0	0
410			0.024	0.008	Non-Compact	0	0.26
411			0.026	0.007	Non-Compact	0.27	0
412			0.02	0.003	Non-Compact	0	0
413			0.02	0.003	Non-Compact	0	0
414			0.027	0.007	Non-Compact	0	0.29
415			0.024	0.008	Non-Compact	0.25	0
416			0.02	0.005	Non-Compact	0	0
417			0.02	0.004	Non-Compact	0	0
418			0.024	0.008	Non-Compact	0	0.26
419			0.019	0.007	Non-Compact	0.2	0
420			0.019	0.003	Non-Compact	0	0
421			0.019	0.003	Non-Compact	0	0
422			0.019	0.007	Non-Compact	0	0.2
423			0.03	0.037	Non-Compact	0.14	0.14
424			0.048	0.025	Non-Compact	0.51	0
425			0.014	0.015	Non-Compact	0	0
426			0.018	0.012	Non-Compact	0	0
427			0.051	0.023	Non-Compact	0	0.55
428			0.022	0.027	Non-Compact	-0.28	0
429			0.017	0.022	Non-Compact	0	0.21
430			0.05	0.004	Non-Compact	0.17	0.17
431			0.058	0.016	Non-Compact	0.62	0
432			0.018	0.007	Non-Compact	0	0
433			0.023	0.001	Non-Compact	0	0
434			0.063	0.009	Non-Compact	0	0.67
435			0.024	0.013	Non-Compact	-0.27	0
436			0.016	0.001	Non-Compact	0	0.18
437			0.03	0.037	Non-Compact	0.14	0.14
438			0.046	0.023	Non-Compact	0.5	0
439			0.014	0.014	Non-Compact	0	0
440			0.017	0.012	Non-Compact	0	0
441			0.05	0.022	Non-Compact	0	0.53
442			0.022	0.025	Non-Compact	-0.28	0
443			0.017	0.021	Non-Compact	0	0.21

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

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo	V Ratio
43	Story1	D2	TUB50X50X2	$0.052 = 0.012 + 0.01 + 0.029$	ELU 1.2D+1.6W1+1.0L	
44	Story1	D3	TUB50X50X2	$0.059 = 0.025 + 0.017 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY	

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo	V Ratio
75	Story1	D9	TUB50X50X2	$0.074 = 0.008 + 0.02 + 0.046$	ELU 1.2D+1.0L-1.0SX-0.3SY	
67	Story1	D10	TUB50X50X2	$0.031 = 0.016 + 0.008 + 0.006$	ELU 1.2D+1.0L-1.0SY-0.3SX	
68	Story1	D11	TUB50X50X2	$0.15 = 0.074 + 0.021 + 0.055$	ELU 1.2D+1.0L-1.0SY-0.3SX	
69	Story1	D12	TUB50X50X2	$0.124 = 0.065 + 0.015 + 0.043$	ELU 1.2D+1.0L-1.0SY-0.3SX	
70	Story1	D13	TUB50X50X2	$0.128 = 0.066 + 0.018 + 0.044$	ELU 1.2D+1.0L-1.0SY-0.3SX	
71	Story1	D14	TUB50X50X2	$0.168 = 0.089 + 0.041 + 0.038$	ELU 1.2D+1.0L-1.0SY-0.3SX	
76	Story1	D15	TUB50X50X2	$0.089 = 0.009 + 0.02 + 0.06$	ELU 1.2D+1.0L-1.0SX-0.3SY	
90	Story1	D16	TUB50X50X2	$0.046 = 0.02 + 0.009 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY	
91	Story1	D17	TUB50X50X2	$0.058 = 0.023 + 0.018 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY	
100	Story1	D18	TUB50X50X2	$0.031 = 0.017 + 0.009 + 0.005$	ELU 1.2D+1.0L-1.0SY-0.3SX	
101	Story1	D19	TUB50X50X2	$0.148 = 0.077 + 0.041 + 0.03$	ELU 1.2D+1.0L-1.0SY-0.3SX	
102	Story1	D20	TUB50X50X2	$0.119 = 0.069 + 0.014 + 0.036$	ELU 1.2D+1.0L-1.0SY-0.3SX	
103	Story1	D21	TUB50X50X2	$0.121 = 0.068 + 0.017 + 0.037$	ELU 1.2D+1.0L-1.0SY-0.3SX	
104	Story1	D22	TUB50X50X2	$0.166 = 0.092 + 0.041 + 0.032$	ELU 1.2D+1.0L-1.0SY-0.3SX	
108	Story1	D23	TUB50X50X2	$0.076 = 0.009 + 0.021 + 0.046$	ELU 1.2D+1.0L-1.0SX-0.3SY	
109	Story1	D24	TUB50X50X2	$0.089 = 0.009 + 0.021 + 0.059$	ELU 1.2D+1.0L-1.0SX-0.3SY	
135	Story1	D25	TUB50X50X2	$0.102 = 0.04 + 0.058 + 0.004$	ELU 1.2D+1.0L-1.0SX-0.3SY	
136	Story1	D26	TUB50X50X2	$0.103 = 0.055 + 0.016 + 0.032$	ELU 1.2D+1.0L-1.0SX-0.3SY	
137	Story1	D27	TUB50X50X2	$0.059 = 0.036 + 0.007 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY	
138	Story1	D28	TUB50X50X2	$0.078 = 0.031 + 0.005 + 0.041$	ELU 1.2D+1.0L-1.0SX-0.3SY	
139	Story1	D29	TUB50X50X2	$0.077 = 0.032 + 0.005 + 0.041$	ELU 1.2D+1.0L-1.0SX-0.3SY	
140	Story1	D30	TUB50X50X2	$0.059 = 0.036 + 0.007 + 0.017$	ELU 1.2D+1.0L-1.0SX-0.3SY	
141	Story1	D31	TUB50X50X2	$0.102 = 0.055 + 0.016 + 0.031$	ELU 1.2D+1.0L-1.0SX-0.3SY	
142	Story1	D32	TUB50X50X2	$0.102 = 0.039 + 0.058 + 0.004$	ELU 1.2D+1.0L-1.0SX-0.3SY	
166	Story1	D33	TUB50X50X2	$0.149 = 0.069 + 0.061 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY	
167	Story1	D34	TUB50X50X2	$0.228 = 0.088 + 0.017 + 0.122$	ELU 1.2D+1.6W1+1.0L	
168	Story1	D35	TUB50X50X2	$0.11 = 0.038 + 0.006 + 0.067$	ELU 1.2D+1.6W1+1.0L	
169	Story1	D36	TUB50X50X2	$0.149 = 0.03 + 0.001 + 0.118$	ELU 1.2D+1.6W1+1.0L	
170	Story1	D37	TUB50X50X2	$0.149 = 0.031 + 2.811E-04 + 0.118$	ELU 1.2D+1.6W1+1.0L	
171	Story1	D38	TUB50X50X2	$0.11 = 0.039 + 0.006 + 0.066$	ELU 1.2D+1.6W1+1.0L	
172	Story1	D39	TUB50X50X2	$0.224 = 0.087 + 0.018 + 0.119$	ELU 1.2D+1.6W1+1.0L	
173	Story1	D40	TUB50X50X2	$0.15 = 0.069 + 0.061 + 0.019$	ELU 1.2D+1.0L-1.0SX-0.3SY	
197	Story1	D41	TUB50X50X2	$0.139 = 0.066 + 0.052 + 0.021$	ELU 1.2D+1.0L-1.0SX-0.3SY	
198	Story1	D42	TUB50X50X2	$0.19 = 0.084 + 0.022 + 0.085$	ELU 1.2D+1.0L-1.0SX-0.3SY	
199	Story1	D43	TUB50X50X2	$0.099 = 0.047 + 0.007 + 0.044$	ELU 1.2D+1.0L-1.0SX-0.3SY	
200	Story1	D44	TUB50X50X2	$0.124 = 0.043 + 0.004 + 0.077$	ELU 1.2D+1.0L-1.0SX-0.3SY	
201	Story1	D45	TUB50X50X2	$0.124 = 0.043 + 0.004 + 0.076$	ELU 1.2D+1.0L-1.0SX-0.3SY	
202	Story1	D46	TUB50X50X2	$0.099 = 0.048 + 0.007 + 0.044$	ELU 1.2D+1.0L-1.0SX-0.3SY	
203	Story1	D47	TUB50X50X2	$0.188 = 0.083 + 0.022 + 0.083$	ELU 1.2D+1.0L-1.0SX-0.3SY	
204	Story1	D48	TUB50X50X2	$0.14 = 0.066 + 0.052 + 0.021$	ELU 1.2D+1.0L-1.0SX-0.3SY	
228	Story1	D49	TUB50X50X2	$0.075 = 0.019 + 0.046 + 0.01$	ELU 1.2D+1.0L-1.0SX-0.3SY	
229	Story1	D50	TUB50X50X2	$0.049 = 0.028 + 0.012 + 0.009$	ELU 1.2D+1.0L-1.0SX-0.3SY	
230	Story1	D51	TUB50X50X2	$0.032 = 0.021 + 0.005 + 0.006$	ELU 1.2D+1.0L-1.0SX-0.3SY	
231	Story1	D52	TUB50X50X2	$0.037 = 0.017 + 0.004 + 0.016$	ELU 1.2D+1.0L-1.0SX-0.3SY	
232	Story1	D53	TUB50X50X2	$0.037 = 0.017 + 0.004 + 0.016$	ELU 1.2D+1.0L-1.0SX-0.3SY	
233	Story1	D54	TUB50X50X2	$0.031 = 0.021 + 0.005 + 0.005$	ELU 1.2D+1.0L-1.0SX-0.3SY	
234	Story1	D55	TUB50X50X2	$0.049 = 0.028 + 0.012 + 0.009$	ELU 1.2D+1.0L-1.0SX-0.3SY	
235	Story1	D56	TUB50X50X2	$0.076 = 0.018 + 0.046 + 0.011$	ELU 1.2D+1.0L-1.0SX-0.3SY	
259	Story1	D57	TUB50X50X2	$0.047 = 0.027 + 0.003 + 0.017$	ELU 1.2D+1.0L-1.0SY-0.3SX	
260	Story1	D58	TUB50X50X2	$0.066 = 0.025 + 0.005 + 0.035$	ELU 1.2D+1.0L-1.0SY-0.3SX	
261	Story1	D59	TUB50X50X2	$0.071 = 0.003 + 0.001 + 0.067$	ELU 1.2D+1.6W2+1.0L	
262	Story1	D60	TUB50X50X2	$0.095 = 0.002 + 0.002 + 0.092$	ELU 0.9D+1.6W2	
263	Story1	D61	TUB50X50X2	$0.095 = 0.001 + 0.002 + 0.092$	ELU 0.9D+1.6W2	
264	Story1	D62	TUB50X50X2	$0.072 = 0.004 + 0.001 + 0.066$	ELU 1.2D+1.6W2+1.0L	
265	Story1	D63	TUB50X50X2	$0.066 = 0.025 + 0.006 + 0.035$	ELU 1.2D+1.0L-1.0SY-0.3SX	
266	Story1	D64	TUB50X50X2	$0.047 = 0.028 + 0.003 + 0.016$	ELU 1.2D+1.0L-1.0SY-0.3SX	
290	Story1	D65	TUB50X50X2	$0.088 = 0.024 + 0.004 + 0.06$	ELU 1.2D+1.6W1+1.0L	
291	Story1	D66	TUB50X50X2	$0.096 = 0.023 + 0.002 + 0.071$	ELU 1.2D+1.6W1+1.0L	
292	Story1	D67	TUB50X50X2	$0.108 = 0.011 + 0.001 + 0.096$	ELU 0.9D+1.6W1	
293	Story1	D68	TUB50X50X2	$0.131 = 0.008 + 0.001 + 0.122$	ELU 1.2D+1.6W1+1.0L	

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo	V Ratio
294	Story1	D69	TUB50X50X2	$0.131 = 0.008 + 1.23E-04 + 0.122$	ELU 0.9D+1.6W1	
295	Story1	D70	TUB50X50X2	$0.108 = 0.011 + 0.001 + 0.096$	ELU 0.9D+1.6W1	
296	Story1	D71	TUB50X50X2	$0.096 = 0.023 + 0.002 + 0.071$	ELU 1.2D+1.6W1+1.0L	
297	Story1	D72	TUB50X50X2	$0.088 = 0.024 + 0.004 + 0.059$	ELU 1.2D+1.6W1+1.0L	
46	Story1	D1	TUB50X50X2	$0.028 = 0.01 + 0.004 + 0.015$	ELU 1.2D+1.0L-1.0SX-0.3SY	
47	Story1	D4	TUB50X50X2	$0.043 = 0.013 + 0.005 + 0.025$	ELU 1.2D+1.0L-1.0SX-0.3SY	
56	Story1	D5	TUB50X50X2	$0.035 = 0.006 + 0.005 + 0.024$	ELU 1.2D+1.0L-1.0SX-0.3SY	
57	Story1	D6	TUB50X50X2	$0.03 = 0.012 + 0.005 + 0.013$	ELU 1.2D+1.0L-1.0SY-0.3SX	
58	Story1	D7	TUB50X50X2	$0.031 = 0.021 + 0.005 + 0.005$	ELU 1.2D+1.0L-1.0SY-0.3SX	
77	Story1	D8	TUB50X50X2	$0.026 = 0.016 + 0.003 + 0.007$	ELU 1.2D+1.0L-1.0SY-0.3SX	
78	Story1	D73	TUB50X50X2	$0.044 = 0.019 + 0.004 + 0.021$	ELU 1.2D+1.0L-1.0SY-0.3SX	
326	Story1	D74	TUB50X50X2	$0.04 = 0.003 + 0.006 + 0.03$	ELU 1.2D+1.0L-1.0SX-0.3SY	
327	Story1	D75	TUB50X50X2	$0.047 = 0.002 + 0.005 + 0.04$	ELU 1.2D+1.0L-1.0SX-0.3SY	
355	Story1	D76	TUB50X50X2	$0.028 = 0.01 + 0.004 + 0.014$	ELU 1.2D+1.0L-1.0SX-0.3SY	
356	Story1	D77	TUB50X50X2	$0.042 = 0.012 + 0.006 + 0.023$	ELU 1.2D+1.0L-1.0SX-0.3SY	
365	Story1	D78	TUB50X50X2	$0.035 = 0.007 + 0.005 + 0.024$	ELU 1.2D+1.0L-1.0SX-0.3SY	
366	Story1	D79	TUB50X50X2	$0.034 = 0.013 + 0.005 + 0.016$	ELU 1.2D+1.0L-1.0SY-0.3SX	
367	Story1	D80	TUB50X50X2	$0.032 = 0.022 + 0.005 + 0.006$	ELU 1.2D+1.0L-1.0SY-0.3SX	
368	Story1	D81	TUB50X50X2	$0.028 = 0.018 + 0.003 + 0.008$	ELU 1.2D+1.0L-1.0SY-0.3SX	
369	Story1	D82	TUB50X50X2	$0.048 = 0.022 + 0.003 + 0.023$	ELU 1.2D+1.0L-1.0SY-0.3SX	
373	Story1	D83	TUB50X50X2	$0.04 = 0.003 + 0.006 + 0.031$	ELU 1.2D+1.0L-1.0SX-0.3SY	
374	Story1	D84	TUB50X50X2	$0.047 = 0.002 + 0.005 + 0.04$	ELU 1.2D+1.0L-1.0SX-0.3SY	

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

UniqueName	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. P I- End tonf	Conn. P J- End tonf
43		0.001	0.003	Non-Compact	0.48	0.48
44		0.002	0.001	Non-Compact	0.69	0.69
75		0.003	0.004	Non-Compact	-0.26	-0.26
67		0.001	0.001	Non-Compact	0.4	0.4
68		0.003	0.006	Non-Compact	-1.33	-1.33
69		0.002	0.003	Non-Compact	1.3	1.3
70		0.002	0.003	Non-Compact	1.6	1.6
71		0.004	0.006	Non-Compact	-1.58	-1.58
76		0.003	0.005	Non-Compact	-0.17	-0.17
90		0.001	0.002	Non-Compact	0.49	0.49
91		0.002	0.001	Non-Compact	0.64	0.64
100		0.001	0.001	Non-Compact	0.41	0.41
101		0.003	0.005	Non-Compact	-1.38	-1.38
102		0.002	0.003	Non-Compact	1.33	1.33
103		0.002	0.002	Non-Compact	1.64	1.64
104		0.003	0.006	Non-Compact	-1.65	-1.65
108		0.003	0.004	Non-Compact	-0.28	-0.28
109		0.004	0.005	Non-Compact	-0.19	-0.19
135		0.004	0.001	Non-Compact	-0.64	-0.64
136		0.002	0.003	Non-Compact	-0.89	-0.89
137		0.001	0.002	Non-Compact	-0.58	-0.58
138		0.001	0.003	Non-Compact	-0.51	-0.51
139		0.001	0.003	Non-Compact	-0.51	-0.51
140		0.001	0.002	Non-Compact	-0.58	-0.58
141		0.002	0.003	Non-Compact	-0.89	-0.89
142		0.004	0.001	Non-Compact	-0.64	-0.64
166		0.004	0.002	Non-Compact	-1.25	-1.25
167		0.003	0.007	Non-Compact	-1.44	-1.44
168		0.001	0.004	Non-Compact	-0.82	-0.82
169		0.001	0.007	Non-Compact	-0.73	-0.73
170		0.001	0.007	Non-Compact	-0.74	-0.74

UniqueName	SigmaE Ratio	V22 Ratio	V33 Ratio	Section Class	Conn. P I- End tonf	Conn. P J- End tonf
171		0.001	0.003	Non-Compact	-0.83	-0.83
172		0.003	0.007	Non-Compact	-1.43	-1.43
173		0.004	0.002	Non-Compact	-1.24	-1.24
197		0.004	0.004	Non-Compact	-1.19	-1.19
198		0.002	0.006	Non-Compact	-1.36	-1.36
199		0.001	0.003	Non-Compact	-0.77	-0.77
200		0.001	0.005	Non-Compact	-0.7	-0.7
201		0.001	0.005	Non-Compact	-0.7	-0.7
202		0.001	0.003	Non-Compact	-0.78	-0.78
203		0.002	0.006	Non-Compact	-1.35	-1.35
204		0.004	0.004	Non-Compact	-1.18	-1.18
228		0.003	0.002	Non-Compact	-0.3	-0.3
229		0.002	0.001	Non-Compact	-0.46	-0.46
230		0.001	0.001	Non-Compact	-0.35	-0.35
231		0.001	0.002	Non-Compact	-0.27	-0.27
232		0.001	0.002	Non-Compact	-0.28	-0.28
233		0.001	0.001	Non-Compact	-0.35	-0.35
234		0.002	0.001	Non-Compact	-0.46	-0.46
235		0.003	0.002	Non-Compact	-0.3	-0.3
259		0.001	0.002	Non-Compact	-0.54	-0.54
260		0.001	0.003	Non-Compact	-0.49	-0.49
261		0.001	0.005	Non-Compact	-0.23	-0.23
262		0.001	0.008	Non-Compact	-0.16	-0.16
263		0.001	0.008	Non-Compact	-0.17	-0.17
264		0.001	0.005	Non-Compact	-0.23	-0.23
265		0.001	0.003	Non-Compact	-0.49	-0.49
266		0.001	0.002	Non-Compact	-0.54	-0.54
290		0.001	0.004	Non-Compact	-0.4	-0.4
291		0.001	0.003	Non-Compact	-0.37	-0.37
292		0.001	0.005	Non-Compact	-0.19	-0.19
293		0.001	0.009	Non-Compact	-0.14	-0.14
294		0.001	0.009	Non-Compact	-0.14	-0.14
295		0.001	0.005	Non-Compact	-0.19	-0.19
296		0.001	0.003	Non-Compact	-0.37	-0.37
297		0.001	0.004	Non-Compact	-0.4	-0.4
46		0.001	0.001	Non-Compact	0.25	0.25
47		0.001	0.002	Non-Compact	0.31	0.31
56		0.001	0.002	Non-Compact	0.16	0.16
57		0.001	0.001	Non-Compact	0.3	0.3
58		0.001	0.001	Non-Compact	-0.38	-0.38
77		0.001	0.001	Non-Compact	0.4	0.4
78		0.001	0.002	Non-Compact	-0.35	-0.35
326		0.001	0.003	Non-Compact	0.09	0.09
327		0.001	0.004	Non-Compact	0.09	0.09
355		0.001	0.001	Non-Compact	0.24	0.24
356		0.001	0.002	Non-Compact	0.3	0.3
365		0.001	0.002	Non-Compact	0.16	0.16
366		0.001	0.001	Non-Compact	0.29	0.29
367		0.001	0.001	Non-Compact	-0.39	-0.39
368		0.001	0.001	Non-Compact	0.43	0.43
369		0.001	0.002	Non-Compact	-0.39	-0.39
373		0.001	0.003	Non-Compact	0.08	0.08
374		0.001	0.004	Non-Compact	0.08	0.08