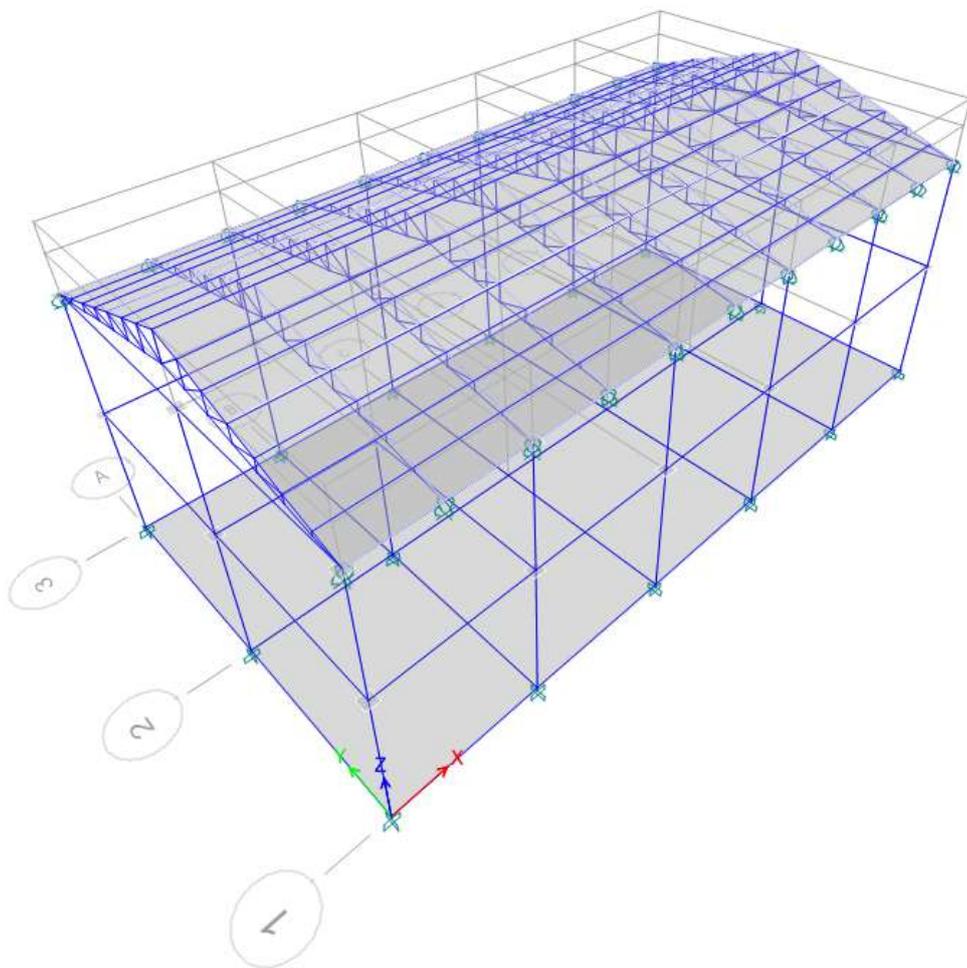


ETABS®



Project Report

Model File: 600MT WAREHOUSE_MODEL_1, Revision
003/01/2023

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1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	Story4	0.62	No	None	No	Blue
T1	Story3	0.845	No	None	No	Green
T1	Story2	2.8	No	None	No	Cyan
T1	Story1	3.2	No	None	No	Red

1.2 Grid Data

Table 1.2 - Grid Definitions - General

Tower	Name	Type	Ux m	Uy m	Rz deg	Story Range	Bubble Size mm	Color
T1	G1	Cartesian	0	0	0	Default	1250	Gray6

Table 1.3 - Grid Definitions - Grid Lines

Name	Grid Line Type	ID	Ordinate m	Bubble Location	Visible
G1	X (Cartesian)	A	0	End	Yes
G1	X (Cartesian)	B	3.25	End	Yes
G1	X (Cartesian)	C	6.5	End	Yes
G1	X (Cartesian)	D	9.75	End	Yes
G1	X (Cartesian)	E	13	End	Yes
G1	X (Cartesian)	F	16.25	End	Yes
G1	Y (Cartesian)	1	0	Start	Yes
G1	Y (Cartesian)	2	4.325	Start	Yes
G1	Y (Cartesian)	3	8.65	Start	Yes

1.3 Point Coordinates

Table 1.4 - Point Bays

Label	Is Auto Point	X m	Y m	DZBelow m
1	No	0	8.65	0
2	No	3.25	8.65	0
3	No	6.5	8.65	0
4	No	9.75	8.65	0
5	No	13	8.65	0
6	No	16.25	8.65	0
7	No	16.25	4.325	0
8	No	16.25	0	0
9	No	13	0	0
10	No	9.75	0	0
11	No	6.5	0	0
12	No	3.25	0	0
13	No	0	0	0
14	No	0	4.325	0

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
15	No	3.25	4.325	0
16	No	6.5	4.325	0
17	No	9.75	4.325	0
18	No	13	4.325	0
19	No	16.25	0.6179	0.6357
20	No	16.25	1.2357	0.4264
21	No	16.25	1.8536	0.2171
22	No	16.25	2.4714	0.0079
23	No	16.25	3.0893	0.4186
24	No	16.25	3.7071	0.2093
25	No	16.25	0.6179	0.7243
26	No	16.25	3.7071	0.1207
27	No	16.25	3.0893	0.2414
28	No	16.25	2.4714	0.3621
29	No	16.25	1.8536	0.4829
30	No	16.25	1.2357	0.6036
31	No	16.25	8.0321	0.6357
32	No	16.25	7.4143	0.4264
33	No	16.25	6.7964	0.2171
34	No	16.25	6.1786	0.0079
35	No	16.25	5.5607	0.4186
36	No	16.25	4.9429	0.2093
37	No	16.25	8.0321	0.7243
38	No	16.25	7.4143	0.6036
39	No	16.25	6.7964	0.4829
40	No	16.25	6.1786	0.3621
41	No	16.25	5.5607	0.2414
42	No	16.25	4.9429	0.1207
43	No	14.625	8.65	0
44	No	14.625	0	0
45	No	14.625	4.325	0
46	No	14.625	0.6179	0.6357
47	No	14.625	1.2357	0.4264
48	No	14.625	1.8536	0.2171
49	No	14.625	2.4714	0.0079
50	No	14.625	3.0893	0.4186
51	No	14.625	3.7071	0.2093
52	No	14.625	0.6179	0.7243
53	No	14.625	3.7071	0.1207
54	No	14.625	3.0893	0.2414
55	No	14.625	2.4714	0.3621
56	No	14.625	1.8536	0.4829
57	No	14.625	1.2357	0.6036
58	No	14.625	8.0321	0.6357
59	No	14.625	7.4143	0.4264
60	No	14.625	6.7964	0.2171
61	No	14.625	6.1786	0.0079
62	No	14.625	5.5607	0.4186
63	No	14.625	4.9429	0.2093

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
64	No	14.625	8.0321	0.7243
65	No	14.625	7.4143	0.6036
66	No	14.625	6.7964	0.4829
67	No	14.625	6.1786	0.3621
68	No	14.625	5.5607	0.2414
69	No	14.625	4.9429	0.1207
70	No	13	0.6179	0.6357
71	No	13	1.2357	0.4264
72	No	13	1.8536	0.2171
73	No	13	2.4714	0.0079
74	No	13	3.0893	0.4186
75	No	13	3.7071	0.2093
76	No	13	0.6179	0.7243
77	No	13	3.7071	0.1207
78	No	13	3.0893	0.2414
79	No	13	2.4714	0.3621
80	No	13	1.8536	0.4829
81	No	13	1.2357	0.6036
82	No	13	8.0321	0.6357
83	No	13	7.4143	0.4264
84	No	13	6.7964	0.2171
85	No	13	6.1786	0.0079
86	No	13	5.5607	0.4186
87	No	13	4.9429	0.2093
88	No	13	8.0321	0.7243
89	No	13	7.4143	0.6036
90	No	13	6.7964	0.4829
91	No	13	6.1786	0.3621
92	No	13	5.5607	0.2414
93	No	13	4.9429	0.1207
94	No	11.375	8.65	0
95	No	11.375	0	0
96	No	11.375	4.325	0
97	No	11.375	0.6179	0.6357
98	No	11.375	1.2357	0.4264
99	No	11.375	1.8536	0.2171
100	No	11.375	2.4714	0.0079
101	No	11.375	3.0893	0.4186
102	No	11.375	3.7071	0.2093
103	No	11.375	0.6179	0.7243
104	No	11.375	3.7071	0.1207
105	No	11.375	3.0893	0.2414
106	No	11.375	2.4714	0.3621
107	No	11.375	1.8536	0.4829
108	No	11.375	1.2357	0.6036
109	No	11.375	8.0321	0.6357
110	No	11.375	7.4143	0.4264
111	No	11.375	6.7964	0.2171
112	No	11.375	6.1786	0.0079

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
113	No	11.375	5.5607	0.4186
114	No	11.375	4.9429	0.2093
115	No	11.375	8.0321	0.7243
116	No	11.375	7.4143	0.6036
117	No	11.375	6.7964	0.4829
118	No	11.375	6.1786	0.3621
119	No	11.375	5.5607	0.2414
120	No	11.375	4.9429	0.1207
121	No	9.75	0.6179	0.6357
122	No	9.75	1.2357	0.4264
123	No	9.75	1.8536	0.2171
124	No	9.75	2.4714	0.0079
125	No	9.75	3.0893	0.4186
126	No	9.75	3.7071	0.2093
127	No	9.75	0.6179	0.7243
128	No	9.75	3.7071	0.1207
129	No	9.75	3.0893	0.2414
130	No	9.75	2.4714	0.3621
131	No	9.75	1.8536	0.4829
132	No	9.75	1.2357	0.6036
133	No	9.75	8.0321	0.6357
134	No	9.75	7.4143	0.4264
135	No	9.75	6.7964	0.2171
136	No	9.75	6.1786	0.0079
137	No	9.75	5.5607	0.4186
138	No	9.75	4.9429	0.2093
139	No	9.75	8.0321	0.7243
140	No	9.75	7.4143	0.6036
141	No	9.75	6.7964	0.4829
142	No	9.75	6.1786	0.3621
143	No	9.75	5.5607	0.2414
144	No	9.75	4.9429	0.1207
145	No	8.125	8.65	0
146	No	8.125	0	0
147	No	8.125	4.325	0
148	No	8.125	0.6179	0.6357
149	No	8.125	1.2357	0.4264
150	No	8.125	1.8536	0.2171
151	No	8.125	2.4714	0.0079
152	No	8.125	3.0893	0.4186
153	No	8.125	3.7071	0.2093
154	No	8.125	0.6179	0.7243
155	No	8.125	3.7071	0.1207
156	No	8.125	3.0893	0.2414
157	No	8.125	2.4714	0.3621
158	No	8.125	1.8536	0.4829
159	No	8.125	1.2357	0.6036
160	No	8.125	8.0321	0.6357
161	No	8.125	7.4143	0.4264

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
162	No	8.125	6.7964	0.2171
163	No	8.125	6.1786	0.0079
164	No	8.125	5.5607	0.4186
165	No	8.125	4.9429	0.2093
166	No	8.125	8.0321	0.7243
167	No	8.125	7.4143	0.6036
168	No	8.125	6.7964	0.4829
169	No	8.125	6.1786	0.3621
170	No	8.125	5.5607	0.2414
171	No	8.125	4.9429	0.1207
172	No	6.5	0.6179	0.6357
173	No	6.5	1.2357	0.4264
174	No	6.5	1.8536	0.2171
175	No	6.5	2.4714	0.0079
176	No	6.5	3.0893	0.4186
177	No	6.5	3.7071	0.2093
178	No	6.5	0.6179	0.7243
179	No	6.5	3.7071	0.1207
180	No	6.5	3.0893	0.2414
181	No	6.5	2.4714	0.3621
182	No	6.5	1.8536	0.4829
183	No	6.5	1.2357	0.6036
184	No	6.5	8.0321	0.6357
185	No	6.5	7.4143	0.4264
186	No	6.5	6.7964	0.2171
187	No	6.5	6.1786	0.0079
188	No	6.5	5.5607	0.4186
189	No	6.5	4.9429	0.2093
190	No	6.5	8.0321	0.7243
191	No	6.5	7.4143	0.6036
192	No	6.5	6.7964	0.4829
193	No	6.5	6.1786	0.3621
194	No	6.5	5.5607	0.2414
195	No	6.5	4.9429	0.1207
196	No	4.875	8.65	0
197	No	4.875	0	0
198	No	4.875	4.325	0
199	No	4.875	0.6179	0.6357
200	No	4.875	1.2357	0.4264
201	No	4.875	1.8536	0.2171
202	No	4.875	2.4714	0.0079
203	No	4.875	3.0893	0.4186
204	No	4.875	3.7071	0.2093
205	No	16.24	4.325	0
206	No	16.24	0.6179	0.6357
208	No	16.24	1.8536	0.2171
211	No	16.24	3.7071	0.2093
212	No	16.24	0.6179	0.7243
213	No	16.24	3.7071	0.1207

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
214	No	16.24	3.0893	0.2414
215	No	16.24	2.4714	0.3621
216	No	16.24	1.8536	0.4829
217	No	16.24	1.2357	0.6036
218	No	16.24	8.0321	0.6357
219	No	16.24	7.4143	0.4264
220	No	16.24	6.7964	0.2171
221	No	16.24	6.1786	0.0079
222	No	16.24	5.5607	0.4186
223	No	16.24	4.9429	0.2093
232	No	4.875	0.6179	0.7243
233	No	4.875	3.7071	0.1207
234	No	4.875	3.0893	0.2414
235	No	4.875	2.4714	0.3621
236	No	4.875	1.8536	0.4829
237	No	4.875	1.2357	0.6036
238	No	4.875	8.0321	0.6357
239	No	4.875	7.4143	0.4264
240	No	4.875	6.7964	0.2171
241	No	4.875	6.1786	0.0079
242	No	4.875	5.5607	0.4186
243	No	4.875	4.9429	0.2093
244	No	4.875	8.0321	0.7243
245	No	4.875	7.4143	0.6036
246	No	4.875	6.7964	0.4829
247	No	4.875	6.1786	0.3621
248	No	4.875	5.5607	0.2414
249	No	4.875	4.9429	0.1207
250	No	3.25	0.6179	0.6357
251	No	3.25	1.2357	0.4264
252	No	3.25	1.8536	0.2171
253	No	3.25	2.4714	0.0079
254	No	3.25	3.0893	0.4186
255	No	3.25	3.7071	0.2093
256	No	3.25	0.6179	0.7243
257	No	3.25	3.7071	0.1207
258	No	3.25	3.0893	0.2414
259	No	3.25	2.4714	0.3621
260	No	3.25	1.8536	0.4829
261	No	3.25	1.2357	0.6036
262	No	3.25	8.0321	0.6357
263	No	3.25	7.4143	0.4264
264	No	3.25	6.7964	0.2171
265	No	3.25	6.1786	0.0079
266	No	3.25	5.5607	0.4186
267	No	3.25	4.9429	0.2093
268	No	3.25	8.0321	0.7243
269	No	3.25	7.4143	0.6036
270	No	3.25	6.7964	0.4829

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
271	No	3.25	6.1786	0.3621
272	No	3.25	5.5607	0.2414
273	No	3.25	4.9429	0.1207
274	No	1.625	8.65	0
275	No	1.625	0	0
276	No	1.625	4.325	0
277	No	1.625	0.6179	0.6357
278	No	1.625	1.2357	0.4264
279	No	1.625	1.8536	0.2171
280	No	1.625	2.4714	0.0079
281	No	1.625	3.0893	0.4186
282	No	1.625	3.7071	0.2093
283	No	1.625	0.6179	0.7243
284	No	1.625	3.7071	0.1207
285	No	1.625	3.0893	0.2414
286	No	1.625	2.4714	0.3621
287	No	1.625	1.8536	0.4829
288	No	1.625	1.2357	0.6036
289	No	1.625	8.0321	0.6357
290	No	1.625	7.4143	0.4264
291	No	1.625	6.7964	0.2171
292	No	1.625	6.1786	0.0079
293	No	1.625	5.5607	0.4186
294	No	1.625	4.9429	0.2093
295	No	1.625	8.0321	0.7243
296	No	1.625	7.4143	0.6036
297	No	1.625	6.7964	0.4829
298	No	1.625	6.1786	0.3621
299	No	1.625	5.5607	0.2414
300	No	1.625	4.9429	0.1207
301	No	0	0.6179	0.6357
302	No	0	1.2357	0.4264
303	No	0	1.8536	0.2171
304	No	0	2.4714	0.0079
305	No	0	3.0893	0.4186
306	No	0	3.7071	0.2093
307	No	0	0.6179	0.7243
308	No	0	3.7071	0.1207
309	No	0	3.0893	0.2414
310	No	0	2.4714	0.3621
311	No	0	1.8536	0.4829
312	No	0	1.2357	0.6036
313	No	0	8.0321	0.6357
314	No	0	7.4143	0.4264
315	No	0	6.7964	0.2171
316	No	0	6.1786	0.0079
317	No	0	5.5607	0.4186
318	No	0	4.9429	0.2093
319	No	0	8.0321	0.7243

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
320	No	0	7.4143	0.6036
321	No	0	6.7964	0.4829
322	No	0	6.1786	0.3621
323	No	0	5.5607	0.2414
324	No	0	4.9429	0.1207
325	No	0	2.4946	0
326	No	1.625	2.4946	0
327	No	3.25	2.4946	0
328	No	4.875	2.4946	0
329	No	6.5	2.4946	0
330	No	8.125	2.4946	0
331	No	9.75	2.4946	0
332	No	11.375	2.4946	0
333	No	13	2.4946	0
334	No	14.625	2.4946	0
335	No	16.25	2.4946	0
336	No	0	6.1554	0
337	No	1.625	6.1554	0
338	No	3.25	6.1554	0
339	No	4.875	6.1554	0
340	No	3.1	4.175	0
341	No	3.4	4.175	0
342	No	3.4	4.475	0
343	No	3.1	4.475	0
344	No	6.5	6.1554	0
345	No	8.125	6.1554	0
346	No	9.75	6.1554	0
347	No	11.375	6.1554	0
348	No	13	6.1554	0
349	No	14.625	6.1554	0
350	No	16.25	6.1554	0
388	No	16.125	8.525	0
389	No	16.375	8.525	0
390	No	16.375	8.775	0
391	No	16.125	8.775	0
396	No	6.375	-0.125	0
397	No	6.625	-0.125	0
398	No	6.625	0.125	0
399	No	6.375	0.125	0
400	No	6.375	8.525	0
401	No	6.625	8.525	0
402	No	6.625	8.775	0
403	No	6.375	8.775	0
404	No	-0.125	-0.125	0
405	No	0.125	-0.125	0
406	No	0.125	0.125	0
407	No	-0.125	0.125	0
408	No	-0.125	4.2	0
409	No	0.125	4.2	0

Table 1.4 - Point Bays (continued)

Label	Is Auto Point	X m	Y m	DZBelow m
410	No	0.125	4.45	0
411	No	-0.125	4.45	0
412	No	-0.125	8.525	0
413	No	0.125	8.525	0
414	No	0.125	8.775	0
415	No	-0.125	8.775	0
416	No	3.125	-0.125	0
417	No	3.375	-0.125	0
418	No	3.375	0.125	0
419	No	3.125	0.125	0
420	No	3.125	8.525	0
421	No	3.375	8.525	0
422	No	3.375	8.775	0
423	No	3.125	8.775	0
424	No	9.625	-0.125	0
425	No	9.875	-0.125	0
426	No	9.875	0.125	0
427	No	9.625	0.125	0
428	No	9.625	8.525	0
429	No	9.875	8.525	0
430	No	9.875	8.775	0
431	No	9.625	8.775	0
432	No	12.875	-0.125	0
433	No	13.125	-0.125	0
434	No	13.125	0.125	0
435	No	12.875	0.125	0
436	No	12.875	8.525	0
437	No	13.125	8.525	0
438	No	13.125	8.775	0
439	No	12.875	8.775	0
440	No	16.125	-0.125	0
441	No	16.375	-0.125	0
442	No	16.375	0.125	0
443	No	16.125	0.125	0
444	No	16.125	4.2	0
445	No	16.375	4.2	0
446	No	16.375	4.45	0
447	No	16.125	4.45	0

1.4 Line Connectivity

Table 1.5 - Column Bays

Label	PointBayI	PointBayJ	IEndStory
C1	7	7	Below
C2	25	19	Same
C3	26	24	Below
C4	27	23	Below
C5	28	22	Same
C6	29	21	Same

Table 1.5 - Column Bays (continued)

Label	PointBayI	PointBayJ	IEndStory
C7	30	20	Same
C8	42	36	Below
C9	41	35	Below
C10	40	34	Same
C11	39	33	Same
C12	38	32	Same
C13	37	31	Same
C14	45	45	Below
C15	52	46	Same
C16	53	51	Below
C17	54	50	Below
C18	55	49	Same
C19	56	48	Same
C20	57	47	Same
C21	69	63	Below
C22	68	62	Below
C23	67	61	Same
C24	66	60	Same
C25	65	59	Same
C26	64	58	Same
C27	18	18	Below
C28	76	70	Same
C29	77	75	Below
C30	78	74	Below
C31	79	73	Same
C32	80	72	Same
C33	81	71	Same
C34	93	87	Below
C35	92	86	Below
C36	91	85	Same
C37	90	84	Same
C38	89	83	Same
C39	88	82	Same
C40	96	96	Below
C41	103	97	Same
C42	104	102	Below
C43	105	101	Below
C44	106	100	Same
C45	107	99	Same
C46	108	98	Same
C47	120	114	Below
C48	119	113	Below
C49	118	112	Same
C50	117	111	Same
C51	116	110	Same
C52	115	109	Same
C53	17	17	Below
C54	127	121	Same
C55	128	126	Below
C56	129	125	Below

Table 1.5 - Column Bays (continued)

Label	PointBayI	PointBayJ	IEndStory
C57	130	124	Same
C58	131	123	Same
C59	132	122	Same
C60	144	138	Below
C61	143	137	Below
C62	142	136	Same
C63	141	135	Same
C64	140	134	Same
C65	139	133	Same
C66	147	147	Below
C67	154	148	Same
C68	155	153	Below
C69	156	152	Below
C70	157	151	Same
C71	158	150	Same
C72	159	149	Same
C73	171	165	Below
C74	170	164	Below
C75	169	163	Same
C76	168	162	Same
C77	167	161	Same
C78	166	160	Same
C79	16	16	Below
C80	178	172	Same
C81	179	177	Below
C82	180	176	Below
C83	181	175	Same
C84	182	174	Same
C85	183	173	Same
C86	195	189	Below
C87	194	188	Below
C88	193	187	Same
C89	192	186	Same
C90	191	185	Same
C91	190	184	Same
C92	11	11	Below
C93	3	3	Below
C94	13	13	Below
C95	1	1	Below
C96	12	12	Below
C97	2	2	Below
C98	10	10	Below
C99	4	4	Below
C100	9	9	Below
C101	5	5	Below
C102	8	8	Below
C103	6	6	Below
C106	198	198	Below
C113	15	15	Below
C121	232	199	Same

Table 1.5 - Column Bays (continued)

Label	PointBayI	PointBayJ	IEndStory
C122	233	204	Below
C123	234	203	Below
C124	235	202	Same
C125	236	201	Same
C126	237	200	Same
C127	249	243	Below
C128	248	242	Below
C129	247	241	Same
C130	246	240	Same
C131	245	239	Same
C132	244	238	Same
C133	256	250	Same
C134	257	255	Below
C135	258	254	Below
C136	259	253	Same
C137	260	252	Same
C138	261	251	Same
C139	273	267	Below
C140	272	266	Below
C141	271	265	Same
C142	270	264	Same
C143	269	263	Same
C144	268	262	Same
C145	276	276	Below
C146	283	277	Same
C147	284	282	Below
C148	285	281	Below
C149	286	280	Same
C150	287	279	Same
C151	288	278	Same
C152	300	294	Below
C153	299	293	Below
C154	298	292	Same
C155	297	291	Same
C156	296	290	Same
C157	295	289	Same
C158	14	14	Below
C159	307	301	Same
C160	308	306	Below
C161	309	305	Below
C162	310	304	Same
C163	311	303	Same
C164	312	302	Same
C165	324	318	Below
C166	323	317	Below
C167	322	316	Same
C168	321	315	Same
C169	320	314	Same
C170	319	313	Same

Table 1.6 - Beam Bays

Label	PointBayI	PointBayJ
B1	1	2
B2	2	3
B3	3	4
B4	4	5
B5	5	6
B6	7	6
B7	8	7
B8	9	8
B9	10	9
B10	11	10
B11	12	11
B12	13	12
B13	13	14
B14	14	1
B15	12	15
B16	14	15
B17	15	2
B18	16	3
B19	17	4
B20	18	5
B21	18	7
B22	9	18
B23	10	17
B24	11	16
B25	15	16
B26	16	17
B27	17	18
B28	28	21
B29	29	20
B30	6	37
B31	40	33
B32	39	32
B33	8	19
B34	19	20
B35	20	21
B36	21	22
B37	22	23
B38	23	24
B39	24	7
B40	8	25
B41	25	30
B42	30	29
B43	29	28
B44	28	27
B45	27	26
B46	26	7
B47	6	31
B48	31	32
B49	32	33
B50	33	34

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B51	34	35
B52	35	36
B53	36	7
B54	37	38
B55	38	39
B56	39	40
B57	40	41
B58	41	42
B59	42	7
B60	55	48
B61	56	47
B62	43	64
B63	67	60
B64	66	59
B65	44	46
B66	46	47
B67	47	48
B68	48	49
B69	49	50
B70	50	51
B71	51	45
B72	44	52
B73	52	57
B74	57	56
B75	56	55
B76	55	54
B77	54	53
B78	53	45
B79	43	58
B80	58	59
B81	59	60
B82	60	61
B83	61	62
B84	62	63
B85	63	45
B86	64	65
B87	65	66
B88	66	67
B89	67	68
B90	68	69
B91	69	45
B92	79	72
B93	80	71
B94	5	88
B95	91	84
B96	90	83
B97	9	70
B98	70	71
B99	71	72

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B100	72	73
B101	73	74
B102	74	75
B103	75	18
B104	9	76
B105	76	81
B106	81	80
B107	80	79
B108	79	78
B109	78	77
B110	77	18
B111	5	82
B112	82	83
B113	83	84
B114	84	85
B115	85	86
B116	86	87
B117	87	18
B118	88	89
B119	89	90
B122	90	91
B123	91	92
B125	92	93
B128	93	18
B129	106	99
B130	107	98
B131	94	115
B132	118	111
B133	117	110
B134	95	97
B135	97	98
B136	98	99
B137	99	100
B138	100	101
B139	101	102
B140	102	96
B141	95	103
B142	103	108
B143	108	107
B144	107	106
B145	106	105
B146	105	104
B147	104	96
B148	94	109
B149	109	110
B150	110	111
B151	111	112
B152	112	113
B153	113	114

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B154	114	96
B155	115	116
B156	116	117
B157	117	118
B158	118	119
B159	119	120
B160	120	96
B161	130	123
B162	131	122
B163	4	139
B164	142	135
B165	141	134
B166	10	121
B167	121	122
B168	122	123
B169	123	124
B170	124	125
B171	125	126
B172	126	17
B173	10	127
B174	127	132
B175	132	131
B176	131	130
B177	130	129
B178	129	128
B179	128	17
B180	4	133
B181	133	134
B182	134	135
B183	135	136
B184	136	137
B185	137	138
B186	138	17
B187	139	140
B188	140	141
B189	141	142
B190	142	143
B191	143	144
B192	144	17
B193	157	150
B194	158	149
B195	145	166
B196	169	162
B197	168	161
B198	146	148
B199	148	149
B200	149	150
B201	150	151
B202	151	152

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B203	152	153
B204	153	147
B205	146	154
B206	154	159
B207	159	158
B208	158	157
B209	157	156
B210	156	155
B211	155	147
B212	145	160
B213	160	161
B214	161	162
B215	162	163
B216	163	164
B217	164	165
B218	165	147
B219	166	167
B220	167	168
B221	168	169
B222	169	170
B223	170	171
B224	171	147
B225	181	174
B226	182	173
B227	3	190
B228	193	186
B229	192	185
B230	11	172
B231	172	173
B232	173	174
B233	174	175
B234	175	176
B235	176	177
B236	177	16
B237	11	178
B238	178	183
B239	183	182
B240	182	181
B241	181	180
B242	180	179
B243	179	16
B244	3	184
B245	184	185
B246	185	186
B247	186	187
B248	187	188
B249	188	189
B250	189	16
B251	190	191

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B252	191	192
B253	192	193
B254	193	194
B255	194	195
B256	195	16
B257	235	201
B258	236	200
B259	196	244
B260	247	240
B261	246	239
B262	197	199
B263	199	200
B264	200	201
B265	201	202
B266	202	203
B267	203	204
B268	204	198
B269	197	232
B270	232	237
B271	237	236
B272	236	235
B273	235	234
B274	234	233
B275	233	198
B276	196	238
B277	238	239
B278	239	240
B279	240	241
B280	241	242
B281	242	243
B282	243	198
B283	244	245
B284	245	246
B285	246	247
B286	247	248
B287	248	249
B288	249	198
B289	259	252
B290	260	251
B291	2	268
B292	271	264
B293	270	263
B294	12	250
B295	250	251
B296	251	252
B297	252	253
B298	253	254
B299	254	255
B300	255	15

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B301	12	256
B302	256	261
B303	261	260
B304	260	259
B305	259	258
B306	258	257
B307	257	15
B308	2	262
B309	262	263
B310	263	264
B311	264	265
B312	265	266
B313	266	267
B314	267	15
B315	268	269
B316	269	270
B317	270	271
B318	271	272
B319	272	273
B320	273	15
B321	286	279
B322	287	278
B323	274	295
B324	298	291
B325	297	290
B326	275	277
B327	277	278
B328	278	279
B329	279	280
B330	280	281
B331	281	282
B332	282	276
B333	275	283
B334	283	288
B335	288	287
B336	287	286
B337	286	285
B365	285	284
B366	284	276
B367	274	289
B368	289	290
B369	290	291
B370	291	292
B371	292	293
B372	293	294
B373	294	276
B374	295	296
B375	296	297
B376	297	298

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B377	298	299
B378	299	300
B379	300	276
B380	310	303
B381	311	302
B382	1	319
B383	322	315
B384	321	314
B385	13	301
B386	301	302
B387	302	303
B388	303	304
B389	304	305
B390	305	306
B391	306	14
B392	13	307
B393	307	312
B394	312	311
B395	311	310
B396	310	309
B397	309	308
B398	308	14
B399	1	313
B400	313	314
B401	314	315
B402	315	316
B403	316	317
B404	317	318
B405	318	14
B406	319	320
B407	320	321
B408	321	322
B409	322	323
B410	323	324
B411	324	14
B412	14	276
B413	276	15
B414	15	198
B415	198	16
B416	16	147
B417	147	17
B418	17	96
B419	96	18
B420	18	45
B421	45	7
B422	301	277
B423	277	250
B424	250	199
B425	199	172

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B426	172	148
B427	148	121
B428	121	97
B429	97	70
B430	70	46
B431	46	19
B432	302	278
B433	278	251
B434	251	200
B435	200	173
B436	173	149
B437	149	122
B438	122	98
B439	98	71
B440	71	47
B441	47	20
B442	303	279
B443	279	252
B444	252	201
B445	201	174
B446	174	150
B447	150	123
B448	123	99
B449	99	72
B450	72	48
B451	48	21
B452	304	280
B453	280	253
B454	253	202
B455	202	175
B456	175	151
B457	151	124
B458	124	100
B459	100	73
B460	73	49
B461	49	22
B462	305	281
B463	281	254
B464	254	203
B465	203	176
B466	176	152
B467	152	125
B468	125	101
B469	101	74
B470	74	50
B471	50	23
B472	306	282
B473	282	255
B474	255	204

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B475	204	177
B476	177	153
B477	153	126
B478	126	102
B479	102	75
B480	75	51
B481	51	24
B482	313	289
B483	289	262
B484	262	238
B485	238	184
B486	184	160
B487	160	133
B488	133	109
B489	109	82
B490	82	58
B491	58	31
B492	314	290
B493	290	263
B494	263	239
B495	239	185
B496	185	161
B497	161	134
B498	134	110
B499	110	83
B500	83	59
B501	59	32
B502	315	291
B503	291	264
B504	264	240
B505	240	186
B506	186	162
B507	162	135
B508	135	111
B509	111	84
B510	84	60
B511	60	33
B512	316	292
B513	292	265
B514	265	241
B515	241	187
B516	187	163
B517	163	136
B518	136	112
B519	112	85
B520	85	61
B521	61	34
B522	317	293
B523	293	266

Table 1.6 - Beam Bays (continued)

Label	PointBayI	PointBayJ
B524	266	242
B525	242	188
B526	188	164
B527	164	137
B528	137	113
B529	113	86
B530	86	62
B531	62	35
B532	318	294
B533	294	267
B534	267	243
B535	243	189
B536	189	165
B537	165	138
B538	138	114
B539	114	87
B540	87	63
B541	63	36

Table 1.7 - Brace Bays

Label	PointBayI	PointBayJ	IEndStory
D1	7	24	Below
D2	26	23	Below
D3	27	22	Same
D4	7	36	Below
D5	42	35	Below
D6	41	34	Same
D7	45	51	Below
D8	53	50	Below
D9	54	49	Same
D10	45	63	Below
D11	69	62	Below
D12	68	61	Same
D13	18	75	Below
D14	77	74	Below
D15	78	73	Same
D16	18	87	Below
D17	93	86	Below
D18	92	85	Same
D19	96	102	Below
D20	104	101	Below
D21	105	100	Same
D22	96	114	Below
D23	120	113	Below
D24	119	112	Same
D25	17	126	Below
D26	128	125	Below
D27	129	124	Same
D28	17	138	Below
D29	144	137	Below

Table 1.7 - Brace Bays (continued)

Label	PointBayI	PointBayJ	IEndStory
D30	143	136	Same
D31	147	153	Below
D32	155	152	Below
D33	156	151	Same
D34	147	165	Below
D35	171	164	Below
D36	170	163	Same
D37	16	177	Below
D38	179	176	Below
D39	180	175	Same
D40	16	189	Below
D41	195	188	Below
D42	194	187	Same
D49	198	204	Below
D50	233	203	Below
D51	234	202	Same
D52	198	243	Below
D53	249	242	Below
D54	248	241	Same
D55	15	255	Below
D56	257	254	Below
D57	258	253	Same
D58	15	267	Below
D59	273	266	Below
D60	272	265	Same
D61	276	282	Below
D62	284	281	Below
D63	285	280	Same
D64	276	294	Below
D65	300	293	Below
D66	299	292	Same
D67	14	306	Below
D68	308	305	Below
D69	309	304	Same
D70	14	318	Below
D71	324	317	Below
D72	323	316	Same

1.5 Area Connectivity

Table 1.8 - Floor Bays

Label	NumPoints	PointNumber	PointBay
F8	4	1	340
F8		2	341
F8		3	342
F8		4	343
F14	4	1	388
F14		2	389
F14		3	390
F14		4	391

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F16	4	1	1
F16		2	13
F16		3	8
F16		4	6
F17	4	1	396
F17		2	397
F17		3	398
F17		4	399
F18	4	1	400
F18		2	401
F18		3	402
F18		4	403
F19	4	1	404
F19		2	405
F19		3	406
F19		4	407
F20	4	1	408
F20		2	409
F20		3	410
F20		4	411
F21	4	1	412
F21		2	413
F21		3	414
F21		4	415
F22	4	1	416
F22		2	417
F22		3	418
F22		4	419
F23	4	1	420
F23		2	421
F23		3	422
F23		4	423
F24	4	1	424
F24		2	425
F24		3	426
F24		4	427
F25	4	1	428
F25		2	429
F25		3	430
F25		4	431
F26	4	1	432
F26		2	433
F26		3	434
F26		4	435
F27	4	1	436
F27		2	437
F27		3	438
F27		4	439
F28	4	1	440
F28		2	441

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F28		3	442
F28		4	443
F29	4	1	444
F29		2	445
F29		3	446
F29		4	447
F82	4	1	274
F82		2	1
F82		3	313
F82		4	289
F83	4	1	2
F83		2	274
F83		3	289
F83		4	262
F84	4	1	196
F84		2	2
F84		3	262
F84		4	238
F85	4	1	3
F85		2	196
F85		3	238
F85		4	184
F86	4	1	145
F86		2	3
F86		3	184
F86		4	160
F87	4	1	4
F87		2	145
F87		3	160
F87		4	133
F88	4	1	94
F88		2	4
F88		3	133
F88		4	109
F89	4	1	5
F89		2	94
F89		3	109
F89		4	82
F90	4	1	43
F90		2	5
F90		3	82
F90		4	58
F91	4	1	6
F91		2	43
F91		3	58
F91		4	31
F92	4	1	289
F92		2	313
F92		3	314
F92		4	290

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F93	4	1	262
F93		2	289
F93		3	290
F93		4	263
F94	4	1	238
F94		2	262
F94		3	263
F94		4	239
F95	4	1	184
F95		2	238
F95		3	239
F95		4	185
F96	4	1	160
F96		2	184
F96		3	185
F96		4	161
F97	4	1	133
F97		2	160
F97		3	161
F97		4	134
F98	4	1	109
F98		2	133
F98		3	134
F98		4	110
F99	4	1	82
F99		2	109
F99		3	110
F99		4	83
F100	4	1	58
F100		2	82
F100		3	83
F100		4	59
F101	4	1	31
F101		2	58
F101		3	59
F101		4	32
F102	4	1	290
F102		2	314
F102		3	315
F102		4	291
F103	4	1	263
F103		2	290
F103		3	291
F103		4	264
F104	4	1	239
F104		2	263
F104		3	264
F104		4	240
F105	4	1	185
F105		2	239

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F105		3	240
F105		4	186
F106	4	1	161
F106		2	185
F106		3	186
F106		4	162
F107	4	1	134
F107		2	161
F107		3	162
F107		4	135
F108	4	1	110
F108		2	134
F108		3	135
F108		4	111
F109	4	1	83
F109		2	110
F109		3	111
F109		4	84
F110	4	1	59
F110		2	83
F110		3	84
F110		4	60
F111	4	1	32
F111		2	59
F111		3	60
F111		4	33
F112	4	1	291
F112		2	315
F112		3	316
F112		4	292
F113	4	1	264
F113		2	291
F113		3	292
F113		4	265
F114	4	1	240
F114		2	264
F114		3	265
F114		4	241
F115	4	1	186
F115		2	240
F115		3	241
F115		4	187
F116	4	1	162
F116		2	186
F116		3	187
F116		4	163
F117	4	1	135
F117		2	162
F117		3	163
F117		4	136

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F118	4	1	111
F118		2	135
F118		3	136
F118		4	112
F119	4	1	84
F119		2	111
F119		3	112
F119		4	85
F120	4	1	60
F120		2	84
F120		3	85
F120		4	61
F121	4	1	33
F121		2	60
F121		3	61
F121		4	34
F122	4	1	292
F122		2	316
F122		3	336
F122		4	337
F123	4	1	336
F123		2	317
F123		3	293
F123		4	337
F124	4	1	265
F124		2	292
F124		3	337
F124		4	338
F125	4	1	337
F125		2	293
F125		3	266
F125		4	338
F126	4	1	241
F126		2	265
F126		3	338
F126		4	339
F127	4	1	338
F127		2	266
F127		3	242
F127		4	339
F128	4	1	187
F128		2	241
F128		3	339
F128		4	344
F129	4	1	339
F129		2	242
F129		3	188
F129		4	344
F130	4	1	163
F130		2	187

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F130		3	344
F130		4	345
F131	4	1	344
F131		2	188
F131		3	164
F131		4	345
F132	4	1	136
F132		2	163
F132		3	345
F132		4	346
F133	4	1	345
F133		2	164
F133		3	137
F133		4	346
F134	4	1	112
F134		2	136
F134		3	346
F134		4	347
F135	4	1	346
F135		2	137
F135		3	113
F135		4	347
F136	4	1	85
F136		2	112
F136		3	347
F136		4	348
F137	4	1	347
F137		2	113
F137		3	86
F137		4	348
F138	4	1	61
F138		2	85
F138		3	348
F138		4	349
F139	4	1	348
F139		2	86
F139		3	62
F139		4	349
F140	4	1	34
F140		2	61
F140		3	349
F140		4	350
F141	4	1	349
F141		2	62
F141		3	35
F141		4	350
F142	4	1	293
F142		2	317
F142		3	318
F142		4	294

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F143	4	1	266
F143		2	293
F143		3	294
F143		4	267
F144	4	1	242
F144		2	266
F144		3	267
F144		4	243
F145	4	1	188
F145		2	242
F145		3	243
F145		4	189
F146	4	1	164
F146		2	188
F146		3	189
F146		4	165
F147	4	1	137
F147		2	164
F147		3	165
F147		4	138
F148	4	1	113
F148		2	137
F148		3	138
F148		4	114
F149	4	1	86
F149		2	113
F149		3	114
F149		4	87
F150	4	1	62
F150		2	86
F150		3	87
F150		4	63
F151	4	1	35
F151		2	62
F151		3	63
F151		4	36
F152	4	1	294
F152		2	318
F152		3	14
F152		4	276
F153	4	1	267
F153		2	294
F153		3	276
F153		4	15
F154	4	1	243
F154		2	267
F154		3	15
F154		4	198
F155	4	1	189
F155		2	243

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F155		3	198
F155		4	16
F156	4	1	165
F156		2	189
F156		3	16
F156		4	147
F157	4	1	138
F157		2	165
F157		3	147
F157		4	17
F158	4	1	114
F158		2	138
F158		3	17
F158		4	96
F159	4	1	87
F159		2	114
F159		3	96
F159		4	18
F160	4	1	63
F160		2	87
F160		3	18
F160		4	45
F161	4	1	36
F161		2	63
F161		3	45
F161		4	7
F162	4	1	277
F162		2	301
F162		3	13
F162		4	275
F163	4	1	250
F163		2	277
F163		3	275
F163		4	12
F164	4	1	199
F164		2	250
F164		3	12
F164		4	197
F165	4	1	172
F165		2	199
F165		3	197
F165		4	11
F166	4	1	148
F166		2	172
F166		3	11
F166		4	146
F167	4	1	121
F167		2	148
F167		3	146
F167		4	10

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F168	4	1	97
F168		2	121
F168		3	10
F168		4	95
F169	4	1	70
F169		2	97
F169		3	95
F169		4	9
F170	4	1	46
F170		2	70
F170		3	9
F170		4	44
F171	4	1	19
F171		2	46
F171		3	44
F171		4	8
F172	4	1	278
F172		2	302
F172		3	301
F172		4	277
F173	4	1	251
F173		2	278
F173		3	277
F173		4	250
F174	4	1	200
F174		2	251
F174		3	250
F174		4	199
F175	4	1	173
F175		2	200
F175		3	199
F175		4	172
F176	4	1	149
F176		2	173
F176		3	172
F176		4	148
F177	4	1	122
F177		2	149
F177		3	148
F177		4	121
F178	4	1	98
F178		2	122
F178		3	121
F178		4	97
F179	4	1	71
F179		2	98
F179		3	97
F179		4	70
F180	4	1	47
F180		2	71

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F180		3	70
F180		4	46
F181	4	1	20
F181		2	47
F181		3	46
F181		4	19
F182	4	1	279
F182		2	303
F182		3	302
F182		4	278
F183	4	1	252
F183		2	279
F183		3	278
F183		4	251
F184	4	1	201
F184		2	252
F184		3	251
F184		4	200
F185	4	1	174
F185		2	201
F185		3	200
F185		4	173
F186	4	1	150
F186		2	174
F186		3	173
F186		4	149
F187	4	1	123
F187		2	150
F187		3	149
F187		4	122
F188	4	1	99
F188		2	123
F188		3	122
F188		4	98
F189	4	1	72
F189		2	99
F189		3	98
F189		4	71
F190	4	1	48
F190		2	72
F190		3	71
F190		4	47
F191	4	1	21
F191		2	48
F191		3	47
F191		4	20
F192	4	1	280
F192		2	304
F192		3	303
F192		4	279

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F193	4	1	253
F193		2	280
F193		3	279
F193		4	252
F194	4	1	202
F194		2	253
F194		3	252
F194		4	201
F195	4	1	175
F195		2	202
F195		3	201
F195		4	174
F196	4	1	151
F196		2	175
F196		3	174
F196		4	150
F197	4	1	124
F197		2	151
F197		3	150
F197		4	123
F198	4	1	100
F198		2	124
F198		3	123
F198		4	99
F199	4	1	73
F199		2	100
F199		3	99
F199		4	72
F200	4	1	49
F200		2	73
F200		3	72
F200		4	48
F201	4	1	22
F201		2	49
F201		3	48
F201		4	21
F202	4	1	326
F202		2	325
F202		3	304
F202		4	280
F203	4	1	326
F203		2	281
F203		3	305
F203		4	325
F204	4	1	327
F204		2	326
F204		3	280
F204		4	253
F205	4	1	327
F205		2	254

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F205		3	281
F205		4	326
F206	4	1	328
F206		2	327
F206		3	253
F206		4	202
F207	4	1	328
F207		2	203
F207		3	254
F207		4	327
F208	4	1	329
F208		2	328
F208		3	202
F208		4	175
F209	4	1	329
F209		2	176
F209		3	203
F209		4	328
F210	4	1	330
F210		2	329
F210		3	175
F210		4	151
F211	4	1	330
F211		2	152
F211		3	176
F211		4	329
F212	4	1	331
F212		2	330
F212		3	151
F212		4	124
F213	4	1	331
F213		2	125
F213		3	152
F213		4	330
F214	4	1	332
F214		2	331
F214		3	124
F214		4	100
F215	4	1	332
F215		2	101
F215		3	125
F215		4	331
F216	4	1	333
F216		2	332
F216		3	100
F216		4	73
F217	4	1	333
F217		2	74
F217		3	101
F217		4	332

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F218	4	1	334
F218		2	333
F218		3	73
F218		4	49
F219	4	1	334
F219		2	50
F219		3	74
F219		4	333
F220	4	1	335
F220		2	334
F220		3	49
F220		4	22
F221	4	1	335
F221		2	23
F221		3	50
F221		4	334
F222	4	1	282
F222		2	306
F222		3	305
F222		4	281
F223	4	1	255
F223		2	282
F223		3	281
F223		4	254
F224	4	1	204
F224		2	255
F224		3	254
F224		4	203
F225	4	1	177
F225		2	204
F225		3	203
F225		4	176
F226	4	1	153
F226		2	177
F226		3	176
F226		4	152
F227	4	1	126
F227		2	153
F227		3	152
F227		4	125
F228	4	1	102
F228		2	126
F228		3	125
F228		4	101
F229	4	1	75
F229		2	102
F229		3	101
F229		4	74
F230	4	1	51
F230		2	75

Table 1.8 - Floor Bays (continued)

Label	NumPoints	PointNumber	PointBay
F230		3	74
F230		4	50
F231	4	1	24
F231		2	51
F231		3	50
F231		4	23
F232	4	1	276
F232		2	14
F232		3	306
F232		4	282
F233	4	1	15
F233		2	276
F233		3	282
F233		4	255
F234	4	1	198
F234		2	15
F234		3	255
F234		4	204
F235	4	1	16
F235		2	198
F235		3	204
F235		4	177
F236	4	1	147
F236		2	16
F236		3	177
F236		4	153
F237	4	1	17
F237		2	147
F237		3	153
F237		4	126
F238	4	1	96
F238		2	17
F238		3	126
F238		4	102
F239	4	1	18
F239		2	96
F239		3	102
F239		4	75
F240	4	1	45
F240		2	18
F240		3	75
F240		4	51
F241	4	1	7
F241		2	45
F241		3	51
F241		4	24

1.6 Mass

Table 1.9 - Mass Source Definition

Name	Is Default	Include Lateral Mass?	Include Vertical Mass?	Lump Mass?	Source Self Mass?	Source Added Mass?	Source Load Patterns?	Move Mass Centroid?
MsSrc1	Yes	Yes	No	Yes	Yes	Yes	No	No

Table 1.10 - Mass Summary by Story

Story	UX kg	UY kg	UZ kg
Story4	12636.98	12636.98	0
Story3	30205.43	30205.43	0
Story2	27877.99	27877.99	0
Story1	15481.85	15481.85	0
Base	19854.7	19854.7	0

Table 1.11 - Mass Summary by Group

Group	Self Mass kg	Self Weight kN	Mass X kg	Mass Y kg	Mass Z kg
All	106056.95	0	106056.95	106056.95	0

1.7 Groups

Table 1.12 - Group Definitions

Name	Color	Steel Design?	Concrete Design?	Composite Design?
All	Yellow	No	No	No

2 Properties

This chapter provides property information for materials, frame sections, shell sections, and links.

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
4000Psi	Concrete	Isotropic	f'c 4000 psi	Magenta	
A416Gr270	Tendon	Uniaxial	Grade 270	Gray8Dark	
A615Gr60	Rebar	Uniaxial	Grade 60	Yellow	
A992Fy50	Steel	Isotropic	Grade 50	Red	
C20/25	Concrete	Isotropic	C20/25	Cyan	
C25/30	Concrete	Isotropic	C25/30	Magenta	
HYSD415	Rebar	Uniaxial	HYSD Grade 415	Blue	
Mild250	Rebar	Uniaxial	Mild Grade 250	Green	
S275	Steel	Isotropic	S275	Yellow	

2.2 Frame Sections

Table 2.2 - Frame Section Property Definitions - Summary (Part 1 of 3)

Name	Material	Shape	Color	Area cm2	J cm4	I33 cm4	I22 cm4	As2 cm2	As3 cm2
60*40*3 RHSSTEEL	A992Fy50	Steel Tube	Magenta	5.6	28.4	27.4	14.3	3.5	2.4
80*40*4 RHS STEEL	S275	Steel Tube	Blue	9	53.5	71.1	23	6	3.1
BEAM250*250MM	C25/30	Concrete Rectangular	Yellow	625	55013	32552.1	32552.1	520.8	520.8
COLUMN250*250MM	C25/30	Concrete Rectangular	Red	625	55013	32552.1	32552.1	520.8	520.8
RHS 40*40,3MM	S275	Steel Tube	Green	4.4	15.2	10.2	10.2	2.3	2.3
RHS 70*50,3MM	S275	Steel Tube	Cyan	6.8	52.2	46.8	27.5	4.1	2.9

Table 2.2 - Frame Section Property Definitions - Summary (Part 2 of 3)

Name	S33Pos cm3	S33Neg cm3	S22Pos cm3	S22Neg cm3	Z33 cm3	Z22 cm3	R33 mm	R22 mm	CG Offset 3 mm	CG Offset 2 mm
60*40*3 RHSSTEEL	9.1	9.1	7.2	7.2	11.2	8.4	22	15.9	0	0
80*40*4 RHS STEEL	17.8	17.8	11.5	11.5	22.5	13.6	28.2	16	0	0
BEAM250*250MM	2604.2	2604.2	2604.2	2604.2	3906.3	3906.3	72.2	72.2	0	0
COLUMN250*250MM	2604.2	2604.2	2604.2	2604.2	3906.3	3906.3	72.2	72.2	0	0
RHS 40*40,3MM	5.1	5.1	5.1	5.1	6.2	6.2	15.2	15.2	0	0
RHS 70*50,3MM	13.4	13.4	11	11	16.2	12.8	26.2	20	0	0

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

Name	PNA Offset 2 mm	Area Modifier	As2 Modifier	As3 Modifier	J Modifier	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
60*40*3 RHSSTEEL	0	1	1	1	1	1	1	1	1
80*40*4 RHS STEEL	0	1	1	1	1	1	1	1	1
BEAM250*250MM	0	1	1	1	1	1	1	1	1
COLUMN250*250MM	0	1	1	1	1	1	1	1	1
RHS 40*40,3MM	0	1	1	1	1	1	1	1	1
RHS 70*50,3MM	0	1	1	1	1	1	1	1	1

2.3 Shell Sections

Table 2.3 - Area Section Property Definitions - Summary

Name	Type	Element Type	Material	Total Thickness mm	Deck Material	Deck Depth mm
CGI	Slab	Membrane	S275	50		
Deck1	Deck	Membrane	4000Psi	162.5	A992Fy50	75
FloorSlab	Slab	Shell-Thin	C20/25	100		
I.Footing	Slab	Shell-Thick	C25/30	350		
Stiff1	Slab	Shell-Thick	C25/30	350		
Wall1	Wall	Shell-Thin	4000Psi	250		

2.4 Reinforcement Sizes

Table 2.4 - Reinforcing Bar Sizes

Name	Diameter mm	Area cm2
6	6	0.3
8	8	0.5
10	10	0.8
12	12	1.1
14	14	1.5
16	16	2
18	18	2.5
20	20	3.1
22	22	3.8
25	25	4.9
26	26	5.3
28	28	6.2
32	32	8
36	36	10.2
40	40	12.6
50	50	19.6

2.5 Links

Table 2.5 - Link Property Definitions - Summary

Name	Type	Degrees of Freedom	Mass kg	Weight kN	Defined Length m	Defined Area m2
Link1	Linear	U1	0	0	1	1

2.6 Spring Properties

Table 2.6 - Spring Property Definitions - Isolated Column Footings

Name	Length mm	Width mm	Thickness mm	Embedment Source	Color	Notes
ColFoot1	1200	1200	450	Program Determined	Gray8Dark	

2.7 Tendon Sections

Table 2.7 - Tendon Section Properties

Name	Material	StrandArea cm2	Color	Notes
Tendon1	A416Gr270	1	Blue	

3 Assignments

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

3.1 Joint Assignments

Table 3.1 - Joint Assignments - Summary

Story	Label	UniqueName	Diaphragm	Restraints
Story4	7	3	From Area	
Story4	14	334	From Area	
Story4	15	280	From Area	
Story4	16	210	From Area	
Story4	17	156	From Area	
Story4	18	102	From Area	
Story4	211	253	From Area	
Story4	222	264	From Area	
Story4	223	265	From Area	
Story4	23	17	From Area	
Story4	24	18	From Area	
Story4	35	47	From Area	
Story4	36	48	From Area	
Story4	45	72	From Area	
Story4	50	80	From Area	
Story4	51	82	From Area	
Story4	62	94	From Area	
Story4	63	95	From Area	
Story4	74	108	From Area	
Story4	75	109	From Area	
Story4	86	120	From Area	
Story4	87	121	From Area	
Story4	96	130	From Area	
Story4	101	136	From Area	
Story4	102	137	From Area	
Story4	113	148	From Area	
Story4	114	149	From Area	
Story4	125	162	From Area	
Story4	126	163	From Area	
Story4	137	174	From Area	
Story4	138	175	From Area	
Story4	147	184	From Area	
Story4	152	190	From Area	
Story4	153	191	From Area	
Story4	164	202	From Area	
Story4	165	203	From Area	
Story4	176	216	From Area	
Story4	177	217	From Area	
Story4	188	228	From Area	
Story4	189	229	From Area	
Story4	198	238	From Area	
Story4	203	244	From Area	
Story4	204	245	From Area	
Story4	242	272	From Area	
Story4	243	273	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story4	254	286	From Area	
Story4	255	287	From Area	
Story4	266	298	From Area	
Story4	267	299	From Area	
Story4	276	308	From Area	
Story4	281	314	From Area	
Story4	282	315	From Area	
Story4	293	326	From Area	
Story4	294	327	From Area	
Story4	305	340	From Area	
Story4	306	341	From Area	
Story4	317	352	From Area	
Story4	318	353	From Area	
Story3	7	4	From Area	
Story3	14	335	From Area	
Story3	15	281	From Area	
Story3	16	211	From Area	
Story3	17	157	From Area	
Story3	18	103	From Area	
Story3	205	247	From Area	
Story3	206	248	From Area	
Story3	208	250	From Area	
Story3	212	254	From Area	
Story3	213	255	From Area	
Story3	214	256	From Area	
Story3	215	257	From Area	
Story3	216	258	From Area	
Story3	217	259	From Area	
Story3	218	260	From Area	
Story3	219	261	From Area	
Story3	220	262	From Area	
Story3	221	263	From Area	
Story3	19	5	From Area	
Story3	20	6	From Area	
Story3	21	12	From Area	
Story3	22	13	From Area	
Story3	25	22	From Area	
Story3	26	23	From Area	
Story3	27	27	From Area	
Story3	28	28	From Area	
Story3	29	32	From Area	
Story3	30	33	From Area	
Story3	31	37	From Area	
Story3	32	38	From Area	
Story3	33	42	From Area	
Story3	34	43	From Area	
Story3	37	52	From Area	
Story3	38	53	From Area	
Story3	39	57	From Area	
Story3	40	58	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	41	62	From Area	
Story3	42	63	From Area	
Story3	45	73	From Area	
Story3	46	74	From Area	
Story3	47	77	From Area	
Story3	48	78	From Area	
Story3	49	79	From Area	
Story3	52	83	From Area	
Story3	53	84	From Area	
Story3	54	85	From Area	
Story3	55	87	From Area	
Story3	56	88	From Area	
Story3	57	89	From Area	
Story3	58	90	From Area	
Story3	59	91	From Area	
Story3	60	92	From Area	
Story3	61	93	From Area	
Story3	64	96	From Area	
Story3	65	97	From Area	
Story3	66	98	From Area	
Story3	67	99	From Area	
Story3	68	100	From Area	
Story3	69	101	From Area	
Story3	70	104	From Area	
Story3	71	105	From Area	
Story3	72	106	From Area	
Story3	73	107	From Area	
Story3	76	110	From Area	
Story3	77	111	From Area	
Story3	78	112	From Area	
Story3	79	113	From Area	
Story3	80	114	From Area	
Story3	81	115	From Area	
Story3	82	116	From Area	
Story3	83	117	From Area	
Story3	84	118	From Area	
Story3	85	119	From Area	
Story3	88	122	From Area	
Story3	89	123	From Area	
Story3	90	124	From Area	
Story3	91	125	From Area	
Story3	92	126	From Area	
Story3	93	127	From Area	
Story3	96	131	From Area	
Story3	97	132	From Area	
Story3	98	133	From Area	
Story3	99	134	From Area	
Story3	100	135	From Area	
Story3	103	138	From Area	
Story3	104	139	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	105	140	From Area	
Story3	106	141	From Area	
Story3	107	142	From Area	
Story3	108	143	From Area	
Story3	109	144	From Area	
Story3	110	145	From Area	
Story3	111	146	From Area	
Story3	112	147	From Area	
Story3	115	150	From Area	
Story3	116	151	From Area	
Story3	117	152	From Area	
Story3	118	153	From Area	
Story3	119	154	From Area	
Story3	120	155	From Area	
Story3	121	158	From Area	
Story3	122	159	From Area	
Story3	123	160	From Area	
Story3	124	161	From Area	
Story3	127	164	From Area	
Story3	128	165	From Area	
Story3	129	166	From Area	
Story3	130	167	From Area	
Story3	131	168	From Area	
Story3	132	169	From Area	
Story3	133	170	From Area	
Story3	134	171	From Area	
Story3	135	172	From Area	
Story3	136	173	From Area	
Story3	139	176	From Area	
Story3	140	177	From Area	
Story3	141	178	From Area	
Story3	142	179	From Area	
Story3	143	180	From Area	
Story3	144	181	From Area	
Story3	147	185	From Area	
Story3	148	186	From Area	
Story3	149	187	From Area	
Story3	150	188	From Area	
Story3	151	189	From Area	
Story3	154	192	From Area	
Story3	155	193	From Area	
Story3	156	194	From Area	
Story3	157	195	From Area	
Story3	158	196	From Area	
Story3	159	197	From Area	
Story3	160	198	From Area	
Story3	161	199	From Area	
Story3	162	200	From Area	
Story3	163	201	From Area	
Story3	166	204	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	167	205	From Area	
Story3	168	206	From Area	
Story3	169	207	From Area	
Story3	170	208	From Area	
Story3	171	209	From Area	
Story3	172	212	From Area	
Story3	173	213	From Area	
Story3	174	214	From Area	
Story3	175	215	From Area	
Story3	178	218	From Area	
Story3	179	219	From Area	
Story3	180	220	From Area	
Story3	181	221	From Area	
Story3	182	222	From Area	
Story3	183	223	From Area	
Story3	184	224	From Area	
Story3	185	225	From Area	
Story3	186	226	From Area	
Story3	187	227	From Area	
Story3	190	230	From Area	
Story3	191	231	From Area	
Story3	192	232	From Area	
Story3	193	233	From Area	
Story3	194	234	From Area	
Story3	195	235	From Area	
Story3	198	239	From Area	
Story3	199	240	From Area	
Story3	200	241	From Area	
Story3	201	242	From Area	
Story3	202	243	From Area	
Story3	232	246	From Area	
Story3	233	249	From Area	
Story3	234	251	From Area	
Story3	235	252	From Area	
Story3	236	266	From Area	
Story3	237	267	From Area	
Story3	238	268	From Area	
Story3	239	269	From Area	
Story3	240	270	From Area	
Story3	241	271	From Area	
Story3	244	274	From Area	
Story3	245	275	From Area	
Story3	246	276	From Area	
Story3	247	277	From Area	
Story3	248	278	From Area	
Story3	249	279	From Area	
Story3	250	282	From Area	
Story3	251	283	From Area	
Story3	252	284	From Area	
Story3	253	285	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	256	288	From Area	
Story3	257	289	From Area	
Story3	258	290	From Area	
Story3	259	291	From Area	
Story3	260	292	From Area	
Story3	261	293	From Area	
Story3	262	294	From Area	
Story3	263	295	From Area	
Story3	264	296	From Area	
Story3	265	297	From Area	
Story3	268	300	From Area	
Story3	269	301	From Area	
Story3	270	302	From Area	
Story3	271	303	From Area	
Story3	272	304	From Area	
Story3	273	305	From Area	
Story3	276	309	From Area	
Story3	277	310	From Area	
Story3	278	311	From Area	
Story3	279	312	From Area	
Story3	280	313	From Area	
Story3	283	316	From Area	
Story3	284	317	From Area	
Story3	285	318	From Area	
Story3	286	319	From Area	
Story3	287	320	From Area	
Story3	288	321	From Area	
Story3	289	322	From Area	
Story3	290	323	From Area	
Story3	291	324	From Area	
Story3	292	325	From Area	
Story3	295	328	From Area	
Story3	296	329	From Area	
Story3	297	330	From Area	
Story3	298	331	From Area	
Story3	299	332	From Area	
Story3	300	333	From Area	
Story3	301	336	From Area	
Story3	302	337	From Area	
Story3	303	338	From Area	
Story3	304	339	From Area	
Story3	307	342	From Area	
Story3	308	343	From Area	
Story3	309	344	From Area	
Story3	310	345	From Area	
Story3	311	346	From Area	
Story3	312	347	From Area	
Story3	313	348	From Area	
Story3	314	349	From Area	
Story3	315	350	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story3	316	351	From Area	
Story3	319	354	From Area	
Story3	320	355	From Area	
Story3	321	356	From Area	
Story3	322	357	From Area	
Story3	323	358	From Area	
Story3	324	359	From Area	
Story3	325	360	From Area	
Story3	326	361	From Area	
Story3	327	362	From Area	
Story3	328	363	From Area	
Story3	329	364	From Area	
Story3	330	365	From Area	
Story3	331	366	From Area	
Story3	332	367	From Area	
Story3	333	368	From Area	
Story3	334	369	From Area	
Story3	335	370	From Area	
Story3	336	371	From Area	
Story3	337	372	From Area	
Story3	338	373	From Area	
Story3	339	374	From Area	
Story3	344	375	From Area	
Story3	345	376	From Area	
Story3	346	377	From Area	
Story3	347	382	From Area	
Story3	348	383	From Area	
Story3	349	384	From Area	
Story3	350	385	From Area	
Story2	1	7	From Area	UZ
Story2	2	8	From Area	UZ
Story2	3	14	From Area	UZ
Story2	4	19	From Area	UZ
Story2	5	24	From Area	UZ
Story2	6	29	From Area	UZ
Story2	7	34	From Area	
Story2	8	39	From Area	UZ
Story2	9	44	From Area	UZ
Story2	10	49	From Area	UZ
Story2	11	54	From Area	UZ
Story2	12	59	From Area	UZ
Story2	13	64	From Area	UZ
Story2	14	69	From Area	
Story2	43	67	From Area	UZ
Story2	44	68	From Area	UZ
Story2	94	128	From Area	UZ
Story2	95	129	From Area	UZ
Story2	145	182	From Area	UZ
Story2	146	183	From Area	UZ
Story2	196	236	From Area	UZ

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	197	237	From Area	UZ
Story2	274	306	From Area	UZ
Story2	275	307	From Area	UZ
Story2	388	434	From Area	
Story2	389	435	From Area	
Story2	390	436	From Area	
Story2	391	437	From Area	
Story2	396	446	From Area	
Story2	397	447	From Area	
Story2	398	448	From Area	
Story2	399	449	From Area	
Story2	400	454	From Area	
Story2	401	455	From Area	
Story2	402	456	From Area	
Story2	403	457	From Area	
Story2	404	462	From Area	
Story2	405	463	From Area	
Story2	406	464	From Area	
Story2	407	465	From Area	
Story2	408	470	From Area	
Story2	409	471	From Area	
Story2	410	472	From Area	
Story2	411	473	From Area	
Story2	412	478	From Area	
Story2	413	479	From Area	
Story2	414	480	From Area	
Story2	415	481	From Area	
Story2	416	486	From Area	
Story2	417	487	From Area	
Story2	418	488	From Area	
Story2	419	489	From Area	
Story2	420	494	From Area	
Story2	421	495	From Area	
Story2	422	496	From Area	
Story2	423	497	From Area	
Story2	424	502	From Area	
Story2	425	503	From Area	
Story2	426	504	From Area	
Story2	427	505	From Area	
Story2	428	510	From Area	
Story2	429	511	From Area	
Story2	430	512	From Area	
Story2	431	513	From Area	
Story2	432	518	From Area	
Story2	433	519	From Area	
Story2	434	520	From Area	
Story2	435	521	From Area	
Story2	436	526	From Area	
Story2	437	527	From Area	
Story2	438	528	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story2	439	529	From Area	
Story2	440	534	From Area	
Story2	441	535	From Area	
Story2	442	536	From Area	
Story2	443	537	From Area	
Story2	444	546	From Area	
Story2	445	547	From Area	
Story2	446	548	From Area	
Story2	447	549	From Area	
Story1	1	9	From Area	
Story1	2	10	From Area	
Story1	3	15	From Area	
Story1	4	20	From Area	
Story1	5	25	From Area	
Story1	6	30	From Area	
Story1	7	35	From Area	
Story1	8	40	From Area	
Story1	9	45	From Area	
Story1	10	50	From Area	
Story1	11	55	From Area	
Story1	12	60	From Area	
Story1	13	65	From Area	
Story1	14	70	From Area	
Story1	15	75	From Area	
Story1	340	378	From Area	
Story1	341	379	From Area	
Story1	342	380	From Area	
Story1	343	381	From Area	
Story1	388	538	From Area	
Story1	389	539	From Area	
Story1	390	540	From Area	
Story1	391	541	From Area	
Story1	396	442	From Area	
Story1	397	443	From Area	
Story1	398	444	From Area	
Story1	399	445	From Area	
Story1	400	450	From Area	
Story1	401	451	From Area	
Story1	402	452	From Area	
Story1	403	453	From Area	
Story1	404	458	From Area	
Story1	405	459	From Area	
Story1	406	460	From Area	
Story1	407	461	From Area	
Story1	408	466	From Area	
Story1	409	467	From Area	
Story1	410	468	From Area	
Story1	411	469	From Area	
Story1	412	474	From Area	
Story1	413	475	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Story1	414	476	From Area	
Story1	415	477	From Area	
Story1	416	482	From Area	
Story1	417	483	From Area	
Story1	418	484	From Area	
Story1	419	485	From Area	
Story1	420	490	From Area	
Story1	421	491	From Area	
Story1	422	492	From Area	
Story1	423	493	From Area	
Story1	424	498	From Area	
Story1	425	499	From Area	
Story1	426	500	From Area	
Story1	427	501	From Area	
Story1	428	506	From Area	
Story1	429	507	From Area	
Story1	430	508	From Area	
Story1	431	509	From Area	
Story1	432	514	From Area	
Story1	433	515	From Area	
Story1	434	516	From Area	
Story1	435	517	From Area	
Story1	436	522	From Area	
Story1	437	523	From Area	
Story1	438	524	From Area	
Story1	439	525	From Area	
Story1	440	530	From Area	
Story1	441	531	From Area	
Story1	442	532	From Area	
Story1	443	533	From Area	
Story1	444	542	From Area	
Story1	445	543	From Area	
Story1	446	544	From Area	
Story1	447	545	From Area	
Base	1	1	From Area	UX; UY; UZ; RX; RY; RZ
Base	2	2	From Area	UX; UY; UZ; RX; RY; RZ
Base	3	11	From Area	UX; UY; UZ; RX; RY; RZ
Base	4	16	From Area	UX; UY; UZ; RX; RY; RZ
Base	5	21	From Area	UX; UY; UZ; RX; RY; RZ
Base	6	26	From Area	UX; UY; UZ; RX; RY; RZ
Base	7	31	From Area	UX; UY; UZ; RX; RY; RZ
Base	8	36	From Area	UX; UY; UZ; RX; RY; RZ
Base	9	41	From Area	UX; UY; UZ; RX; RY; RZ
Base	10	46	From Area	UX; UY; UZ; RX; RY; RZ
Base	11	51	From Area	UX; UY; UZ; RX; RY; RZ
Base	12	56	From Area	UX; UY; UZ; RX; RY; RZ
Base	13	61	From Area	UX; UY; UZ; RX; RY; RZ
Base	14	66	From Area	UX; UY; UZ; RX; RY; RZ
Base	15	71	From Area	UX; UY; UZ; RX; RY; RZ
Base	16	76	From Area	

Table 3.1 - Joint Assignments - Summary (continued)

Story	Label	UniqueName	Diaphragm	Restraints
Base	17	81	From Area	
Base	18	86	From Area	

3.2 Frame Assignments

Table 3.2 - Frame Assignments - Summary

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story4	B37	73	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B38	74	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B39	77	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B51	93	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B52	94	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B53	95	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B69	138	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B70	139	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B71	140	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B83	152	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B84	153	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B85	154	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B101	189	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B102	190	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B103	191	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B115	203	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B116	204	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B117	205	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B138	240	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B139	241	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B140	242	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B152	254	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B153	255	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B154	256	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B170	291	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B171	292	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B172	293	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B184	305	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B185	306	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B186	307	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B202	342	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B203	343	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B204	344	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B216	360	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B217	361	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B218	362	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B234	407	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B235	408	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B236	409	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B248	421	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B249	422	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story4	B250	423	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B266	458	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B267	459	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B268	460	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B280	472	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B281	473	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B282	474	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B298	509	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B299	510	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B300	511	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B312	523	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B313	524	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B314	525	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B330	560	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B331	561	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B332	562	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B371	574	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B372	575	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B373	576	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B389	611	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B390	612	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B391	613	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B403	625	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B404	626	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B405	627	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story4	B412	634	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B413	635	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B414	636	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B415	637	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B416	638	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B417	639	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B418	640	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B419	641	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B420	642	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B421	643	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B462	684	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B463	685	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B464	686	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B465	687	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B466	688	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B467	689	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B468	690	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B469	691	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B470	692	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B471	693	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B472	694	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B473	695	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story4	B474	696	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B475	697	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B476	698	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B477	699	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B478	700	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B479	701	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B480	702	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B481	703	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B522	744	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B523	745	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B524	746	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B525	747	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B526	748	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B527	749	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B528	750	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B529	751	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B530	752	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B531	753	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B532	754	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B533	755	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B534	756	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B535	757	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B536	758	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B537	759	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B538	760	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B539	761	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B540	762	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	B541	763	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story4	C113	481	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C1	2	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C3	7	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C4	8	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C8	37	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C9	38	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C14	104	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C16	107	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C17	108	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C21	120	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C22	122	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C27	161	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C29	163	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C30	164	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C34	174	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C35	175	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C40	212	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C42	214	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C43	215	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story4	C47	225	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C48	226	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C53	263	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C55	265	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C56	266	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C60	276	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C61	277	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C66	314	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C68	316	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C69	317	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C73	327	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C74	328	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C79	376	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C81	378	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C82	379	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C86	389	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C87	390	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C106	430	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C122	432	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C123	433	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C127	443	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C128	444	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C134	483	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C135	484	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C139	494	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C140	495	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C145	532	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C147	534	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C148	535	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C152	545	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C153	546	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C158	583	Column	0.62	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C160	585	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C161	586	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C165	596	Column	0.5314	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	C166	597	Column	0.4429	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D1	18	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D2	23	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D4	52	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D5	53	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D7	113	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D8	114	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D10	128	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D11	129	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D13	168	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D14	169	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D16	180	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story4	D17	181	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D19	219	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D20	220	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D22	231	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D23	232	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D25	270	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D26	271	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D28	282	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D29	283	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D31	321	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D32	322	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D34	333	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D35	334	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D37	383	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D38	384	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D40	395	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D41	396	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D49	437	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D50	438	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D52	449	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D53	450	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D55	488	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D56	489	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D58	500	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D59	501	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D61	539	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D62	540	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D64	551	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D65	552	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D67	590	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D68	591	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D70	602	Brace	0.7419	RHS 40*40,3MM	RHS 40*40,3MM		3
Story4	D71	603	Brace	0.6968	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B28	28	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B29	32	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B30	33	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B31	58	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B32	62	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B33	63	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B34	67	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B35	68	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B36	72	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B40	78	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B41	79	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B42	82	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B43	83	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B44	84	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B45	85	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B46	87	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B47	88	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B48	89	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B49	90	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B50	92	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B54	97	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B55	98	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B56	99	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B57	100	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B58	102	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B59	103	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B60	117	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B61	118	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B62	119	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B63	132	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B64	133	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B65	134	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B66	135	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B67	136	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B68	137	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B72	141	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B73	142	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B74	143	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B75	144	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B76	145	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B77	146	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B78	147	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B79	148	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B80	149	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B81	150	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B82	151	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B86	155	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B87	156	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B88	157	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B89	158	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B90	159	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B91	160	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B92	171	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B93	172	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B94	173	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B95	183	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B96	184	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B97	185	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B98	186	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B99	187	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B100	188	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B104	192	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B105	193	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B106	194	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B107	195	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B108	196	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B109	197	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B110	198	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B111	199	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B112	200	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B113	201	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B114	202	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B118	206	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B119	207	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B122	208	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B123	209	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B125	210	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B128	211	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B129	222	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B130	223	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B131	224	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B132	234	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B133	235	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B134	236	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B135	237	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B136	238	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B137	239	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B141	243	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B142	244	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B143	245	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B144	246	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B145	247	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B146	248	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B147	249	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B148	250	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B149	251	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B150	252	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B151	253	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B155	257	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B156	258	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B157	259	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B158	260	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B159	261	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B160	262	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B161	273	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B162	274	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B163	275	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B164	285	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B165	286	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B166	287	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B167	288	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B168	289	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B169	290	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B173	294	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B174	295	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B175	296	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B176	297	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B177	298	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B178	299	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B179	300	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B180	301	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B181	302	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B182	303	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B183	304	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B187	308	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B188	309	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B189	310	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B190	311	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B191	312	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B192	313	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B193	324	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B194	325	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B195	326	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B196	336	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B197	337	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B198	338	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B199	339	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B200	340	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B201	341	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B205	345	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B206	346	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B207	347	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B208	348	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B209	349	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B210	354	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B211	355	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B212	356	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B213	357	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B214	358	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B215	359	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B219	363	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B220	364	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B221	365	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B222	373	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B223	374	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B224	375	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B225	386	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B226	387	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B227	388	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B228	398	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B229	399	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B230	400	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B231	404	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B232	405	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B233	406	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B237	410	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B238	411	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B239	412	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B240	413	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B241	414	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B242	415	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B243	416	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B244	417	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B245	418	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B246	419	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B247	420	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B251	424	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B252	425	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B253	426	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B254	427	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B255	428	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B256	429	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B257	440	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B258	441	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B259	442	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B260	452	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B261	453	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B262	454	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B263	455	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B264	456	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B265	457	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B269	461	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B270	462	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B271	463	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B272	464	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B273	465	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B274	466	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B275	467	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B276	468	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B277	469	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B278	470	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B279	471	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B283	475	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B284	476	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B285	477	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B286	478	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B287	479	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B288	480	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B289	491	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B290	492	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B291	493	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B292	503	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B293	504	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B294	505	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B295	506	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B296	507	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B297	508	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B301	512	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B302	513	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B303	514	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B304	515	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B305	516	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B306	517	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B307	518	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B308	519	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B309	520	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B310	521	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B311	522	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B315	526	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B316	527	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B317	528	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B318	529	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B319	530	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B320	531	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B321	542	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B322	543	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B323	544	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B324	554	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B325	555	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B326	556	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B327	557	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B328	558	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B329	559	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B333	563	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B334	564	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B335	565	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B336	566	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B337	567	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B365	568	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B366	569	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B367	570	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B368	571	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B369	572	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B370	573	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B374	577	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B375	578	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B376	579	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B377	580	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B378	581	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B379	582	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B380	593	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B381	594	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B382	595	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B383	605	Beam	0.6346	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B384	606	Beam	0.6204	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	B385	607	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B386	608	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B387	609	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B388	610	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B392	614	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B393	615	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B394	616	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B395	617	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B396	618	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B397	619	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B398	620	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B399	621	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B400	622	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B401	623	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B402	624	Beam	0.6523	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B406	628	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B407	629	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B408	630	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B409	631	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B410	632	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B411	633	Beam	0.6295	60*40*3 RHSSTEEL	60*40*3 RHSSTEEL		3
Story3	B422	644	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B423	645	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B424	646	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B425	647	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B426	648	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B427	649	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B428	650	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B429	651	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B430	652	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B431	653	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B432	654	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B433	655	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B434	656	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B435	657	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B436	658	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B437	659	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B438	660	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B439	661	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B440	662	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B441	663	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B442	664	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B443	665	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B444	666	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B445	667	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B446	668	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B447	669	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B448	670	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B449	671	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B450	672	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B451	673	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B452	674	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B453	675	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B454	676	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B455	677	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B456	678	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B457	679	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B458	680	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B459	681	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B460	682	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B461	683	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B482	704	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B483	705	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B484	706	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B485	707	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B486	708	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B487	709	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B488	710	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B489	711	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B490	712	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B491	713	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B492	714	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B493	715	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B494	716	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B495	717	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B496	718	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B497	719	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B498	720	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	B499	721	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B500	722	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B501	723	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B502	724	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B503	725	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B504	726	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B505	727	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B506	728	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B507	729	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B508	730	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B509	731	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B510	732	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B511	733	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B512	734	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B513	735	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B514	736	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B515	737	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B516	738	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B517	739	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B518	740	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B519	741	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B520	742	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	B521	743	Beam	1.625	RHS 40*40,3MM	RHS 40*40,3MM	0.5	
Story3	C2	3	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C5	12	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C6	13	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C7	17	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C10	42	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C11	43	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C12	47	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C13	48	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C15	105	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C18	109	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C19	110	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C20	112	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C23	123	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C24	124	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C25	125	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C26	127	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C28	162	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C31	165	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C32	166	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C33	167	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C36	176	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C37	177	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C38	178	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C39	179	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	C41	213	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C44	216	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C45	217	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C46	218	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C49	227	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C50	228	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C51	229	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C52	230	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C54	264	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C57	267	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C58	268	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C59	269	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C62	278	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C63	279	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C64	280	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C65	281	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C67	315	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C70	318	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C71	319	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C72	320	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C75	329	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C76	330	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C77	331	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C78	332	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C80	377	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C83	380	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C84	381	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C85	382	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C88	391	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C89	392	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C90	393	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C91	394	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C121	431	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C124	434	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C125	435	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C126	436	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C129	445	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C130	446	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C131	447	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C132	448	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C133	482	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C136	485	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C137	486	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C138	487	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C141	496	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C142	497	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C143	498	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story3	C144	499	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C146	533	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C149	536	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C150	537	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C151	538	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C154	547	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C155	548	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C156	549	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C157	550	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C159	584	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C162	587	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C163	588	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C164	589	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C167	598	Column	0.3543	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C168	599	Column	0.2657	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C169	600	Column	0.1771	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	C170	601	Column	0.0886	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D3	27	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D6	57	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D9	115	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D12	130	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D15	170	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D18	182	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D21	221	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D24	233	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D27	272	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D30	284	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D33	323	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D36	335	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D39	385	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D42	397	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D51	439	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D54	451	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D57	490	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D60	502	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D63	541	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D66	553	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D69	592	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story3	D72	604	Brace	0.6605	RHS 40*40,3MM	RHS 40*40,3MM		3
Story2	B1	4	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B2	9	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B3	14	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B4	19	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B5	24	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B6	29	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B7	34	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B8	54	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story2	B9	59	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B10	49	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B11	44	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B12	39	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B13	64	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	B14	69	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story2	C1	791	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C158	771	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C92	765	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C93	767	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C94	769	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C95	773	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C96	775	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C97	777	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C98	779	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C99	781	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C100	783	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C101	785	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C102	787	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story2	C103	789	Column	2.8	COLUMN250*250MM	COLUMN250*250MM		3
Story1	B1	5	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B2	10	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B3	15	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B4	20	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B5	25	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B6	30	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B7	35	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B8	40	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B9	45	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B10	50	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B11	55	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B12	60	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B13	65	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B14	70	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B15	75	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	B16	80	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Story1	C113	368	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C1	790	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C158	770	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C92	764	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C93	766	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C94	768	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C95	772	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C96	774	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C97	776	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C98	778	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C99	780	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3

Table 3.2 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Max Station Spacing m	Min Number Stations
Story1	C100	782	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C101	784	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C102	786	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Story1	C103	788	Column	3.2	COLUMN250*250MM	COLUMN250*250MM		3
Base	B1	1	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B2	6	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B3	11	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B4	16	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B5	21	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B6	26	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B7	31	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B8	36	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B9	41	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B10	46	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B11	51	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B12	56	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B13	61	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B14	66	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B15	71	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B16	76	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B17	81	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B18	86	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B19	91	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B20	96	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B21	101	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B22	106	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B23	111	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B24	116	Beam	4.325	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B25	121	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B26	126	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	
Base	B27	131	Beam	3.25	BEAM250*250MM	BEAM250*250MM	0.5	

3.3 Shell Assignments

Table 3.3 - Area Assignments - Summary

Story	Label	UniqueName	Section Property	Property Type
Story4	F123	123	CGI	Slab
Story4	F125	125	CGI	Slab
Story4	F127	127	CGI	Slab
Story4	F129	129	CGI	Slab
Story4	F131	131	CGI	Slab
Story4	F133	133	CGI	Slab
Story4	F135	135	CGI	Slab
Story4	F137	137	CGI	Slab
Story4	F139	139	CGI	Slab
Story4	F141	141	CGI	Slab
Story4	F142	142	CGI	Slab

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type
Story4	F143	143	CGI	Slab
Story4	F144	144	CGI	Slab
Story4	F145	145	CGI	Slab
Story4	F146	146	CGI	Slab
Story4	F147	147	CGI	Slab
Story4	F148	148	CGI	Slab
Story4	F149	149	CGI	Slab
Story4	F150	150	CGI	Slab
Story4	F151	151	CGI	Slab
Story4	F152	152	CGI	Slab
Story4	F153	153	CGI	Slab
Story4	F154	154	CGI	Slab
Story4	F155	155	CGI	Slab
Story4	F156	156	CGI	Slab
Story4	F157	157	CGI	Slab
Story4	F158	158	CGI	Slab
Story4	F159	159	CGI	Slab
Story4	F160	160	CGI	Slab
Story4	F161	161	CGI	Slab
Story4	F203	42	CGI	Slab
Story4	F205	44	CGI	Slab
Story4	F207	46	CGI	Slab
Story4	F209	48	CGI	Slab
Story4	F211	50	CGI	Slab
Story4	F213	52	CGI	Slab
Story4	F215	54	CGI	Slab
Story4	F217	56	CGI	Slab
Story4	F219	58	CGI	Slab
Story4	F221	60	CGI	Slab
Story4	F222	61	CGI	Slab
Story4	F223	62	CGI	Slab
Story4	F224	63	CGI	Slab
Story4	F225	64	CGI	Slab
Story4	F226	65	CGI	Slab
Story4	F227	66	CGI	Slab
Story4	F228	67	CGI	Slab
Story4	F229	68	CGI	Slab
Story4	F230	69	CGI	Slab
Story4	F231	70	CGI	Slab
Story4	F232	71	CGI	Slab
Story4	F233	72	CGI	Slab
Story4	F234	73	CGI	Slab
Story4	F235	74	CGI	Slab
Story4	F236	75	CGI	Slab
Story4	F237	76	CGI	Slab
Story4	F238	77	CGI	Slab
Story4	F239	78	CGI	Slab
Story4	F240	79	CGI	Slab
Story4	F241	80	CGI	Slab

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type
Story3	F82	81	CGI	Slab
Story3	F83	82	CGI	Slab
Story3	F84	83	CGI	Slab
Story3	F85	84	CGI	Slab
Story3	F86	85	CGI	Slab
Story3	F87	86	CGI	Slab
Story3	F88	87	CGI	Slab
Story3	F89	88	CGI	Slab
Story3	F90	89	CGI	Slab
Story3	F91	90	CGI	Slab
Story3	F92	91	CGI	Slab
Story3	F93	93	CGI	Slab
Story3	F94	94	CGI	Slab
Story3	F95	95	CGI	Slab
Story3	F96	96	CGI	Slab
Story3	F97	97	CGI	Slab
Story3	F98	98	CGI	Slab
Story3	F99	99	CGI	Slab
Story3	F100	100	CGI	Slab
Story3	F101	101	CGI	Slab
Story3	F102	102	CGI	Slab
Story3	F103	103	CGI	Slab
Story3	F104	104	CGI	Slab
Story3	F105	105	CGI	Slab
Story3	F106	106	CGI	Slab
Story3	F107	107	CGI	Slab
Story3	F108	108	CGI	Slab
Story3	F109	109	CGI	Slab
Story3	F110	110	CGI	Slab
Story3	F111	111	CGI	Slab
Story3	F112	112	CGI	Slab
Story3	F113	113	CGI	Slab
Story3	F114	114	CGI	Slab
Story3	F115	115	CGI	Slab
Story3	F116	116	CGI	Slab
Story3	F117	117	CGI	Slab
Story3	F118	118	CGI	Slab
Story3	F119	119	CGI	Slab
Story3	F120	120	CGI	Slab
Story3	F121	121	CGI	Slab
Story3	F122	122	CGI	Slab
Story3	F124	124	CGI	Slab
Story3	F126	126	CGI	Slab
Story3	F128	128	CGI	Slab
Story3	F130	130	CGI	Slab
Story3	F132	132	CGI	Slab
Story3	F134	134	CGI	Slab
Story3	F136	136	CGI	Slab
Story3	F138	138	CGI	Slab

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type
Story3	F140	140	CGI	Slab
Story3	F162	1	CGI	Slab
Story3	F163	2	CGI	Slab
Story3	F164	3	CGI	Slab
Story3	F165	4	CGI	Slab
Story3	F166	5	CGI	Slab
Story3	F167	6	CGI	Slab
Story3	F168	7	CGI	Slab
Story3	F169	8	CGI	Slab
Story3	F170	9	CGI	Slab
Story3	F171	10	CGI	Slab
Story3	F172	11	CGI	Slab
Story3	F173	12	CGI	Slab
Story3	F174	13	CGI	Slab
Story3	F175	14	CGI	Slab
Story3	F176	15	CGI	Slab
Story3	F177	16	CGI	Slab
Story3	F178	17	CGI	Slab
Story3	F179	18	CGI	Slab
Story3	F180	19	CGI	Slab
Story3	F181	20	CGI	Slab
Story3	F182	21	CGI	Slab
Story3	F183	22	CGI	Slab
Story3	F184	23	CGI	Slab
Story3	F185	24	CGI	Slab
Story3	F186	25	CGI	Slab
Story3	F187	26	CGI	Slab
Story3	F188	27	CGI	Slab
Story3	F189	28	CGI	Slab
Story3	F190	29	CGI	Slab
Story3	F191	30	CGI	Slab
Story3	F192	31	CGI	Slab
Story3	F193	32	CGI	Slab
Story3	F194	33	CGI	Slab
Story3	F195	34	CGI	Slab
Story3	F196	35	CGI	Slab
Story3	F197	36	CGI	Slab
Story3	F198	37	CGI	Slab
Story3	F199	38	CGI	Slab
Story3	F200	39	CGI	Slab
Story3	F201	40	CGI	Slab
Story3	F202	41	CGI	Slab
Story3	F204	43	CGI	Slab
Story3	F206	45	CGI	Slab
Story3	F208	47	CGI	Slab
Story3	F210	49	CGI	Slab
Story3	F212	51	CGI	Slab
Story3	F214	53	CGI	Slab
Story3	F216	55	CGI	Slab

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type
Story3	F218	57	CGI	Slab
Story3	F220	59	CGI	Slab
Story2	F14	174	Stiff1	Slab
Story2	F17	178	Stiff1	Slab
Story2	F18	180	Stiff1	Slab
Story2	F19	182	Stiff1	Slab
Story2	F20	184	Stiff1	Slab
Story2	F21	186	Stiff1	Slab
Story2	F22	188	Stiff1	Slab
Story2	F23	190	Stiff1	Slab
Story2	F24	192	Stiff1	Slab
Story2	F25	194	Stiff1	Slab
Story2	F26	196	Stiff1	Slab
Story2	F27	198	Stiff1	Slab
Story2	F28	200	Stiff1	Slab
Story2	F29	204	Stiff1	Slab
Story1	F8	92	CGI	Slab
Story1	F14	201	Stiff1	Slab
Story1	F17	176	Stiff1	Slab
Story1	F18	179	Stiff1	Slab
Story1	F19	181	Stiff1	Slab
Story1	F20	183	Stiff1	Slab
Story1	F21	185	Stiff1	Slab
Story1	F22	187	Stiff1	Slab
Story1	F23	189	Stiff1	Slab
Story1	F24	191	Stiff1	Slab
Story1	F25	193	Stiff1	Slab
Story1	F26	195	Stiff1	Slab
Story1	F27	197	Stiff1	Slab
Story1	F28	199	Stiff1	Slab
Story1	F29	203	Stiff1	Slab
Base	F16	177	FloorSlab	Slab

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
Dead	No	Dead	1	
EQX	No	Seismic	0	UBC 97
EQY	No	Seismic	0	UBC 97
Live	No	Live	0	
Wind	No	Wind	0	BS 6399-95

4.2 Auto Wind Loading

BS 6399-95 Auto Wind Load Calculation

This calculation presents the automatically generated lateral wind loads for load pattern Wind according to BS 6399-95, as calculated by ETABS.

Exposure Parameters

Exposure From = Shell Objects

Top Story = Story4

Bottom Story = Base

Include Parapet = No

Factors and Coefficients

Size Effect Factor, C_a [BS 2.1.3.4]

$$C_a = 1$$

Dynamic Augmentation Factor, C_r [BS 1.6.1]

$$C_r = 0.25$$

Lateral Loading

Dynamic Pressure, q_s [BS Table 2]

$$q_s = 0.613 V_e^2$$

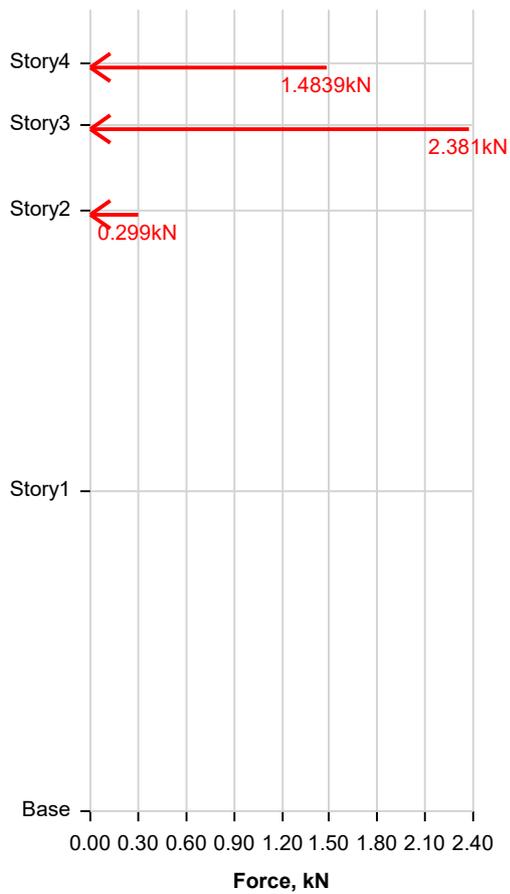
$$q_s = 551.7$$

Wind Pressure, p [BS Eq. 2.3.1.6(7)]

$$p = 0.85 q_s C_p C_a (1 + C_r)$$

Applied Story Forces

Lateral Load to Stories - 0°



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
Story4	7.465	0	1.4839
Story3	6.845	0	2.381
Story2	6	0	0.299
Story1	3.2	0	0
Base	0	0	0

4.3 Auto Seismic Loading

UBC 97 Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern EQX according to UBC 97, as calculated by ETABS.

Direction and Eccentricity

Direction = X + Eccentricity Y

Eccentricity Ratio = 5% for all diaphragms

Structural Period

Period Calculation Method = Program Calculated

Coefficient, C_t [UBC 1630.2.2]

$$C_t = 0.035ft$$

Structure Height Above Base, h_n

$$h_n = 24.49 \text{ ft}$$

Approximate Fundamental Period, T_a
[UBC 1630.2.2 Eq. 30-8]

$$T_a = C_t (h)^{\frac{3}{4}}$$

$$T_a = 0.385 \text{ sec}$$

Program Calculated Period, T [UBC 1630.2.2.2]

$$T \leq 1.3 T_a$$

Factors and Coefficients

Response Modification Factor, R [UBC Table 16-N]

$$R = 8.5$$

Importance Factor, I [UBC Table 16-K]

$$I = 1$$

Seismic Zone Factor, Z [UBC Table 16-I]

$$Z = 0.4$$

Soil Profile [UBC Table 16-J] = SD

Seismic Source Type = C

Closest Source Distance = 15 km

Near-Source Factor, N_a [UBC Table 16-S]

$$N_a = 1$$

Near-Source Factor, N_v [UBC Table 16-T]

$$N_v = 1$$

Site Coefficient, C_a [UBC Table 16-Q]

$$C_a = 0.44$$

Site Coefficient, C_v [UBC Table 16-R]

$$C_v = 0.64$$

Equivalent Lateral Forces

Base Shear Coefficient [UBC 1630.2.1, Eq. 30-4]

$$= \frac{C_v I}{RT}$$

maximum [UBC 1630.2.1, Eq. 30-5]

$$= \frac{2.5 C_a I}{R} = 0.129412$$

minimum [UBC 1630.2.1, Eq. 30-6]

$$= 0.11 C_a I = 0.0484$$

Zone 4 minimum [UBC 1630.2.1, Eq. 30-7]

$$= \frac{0.8 Z N_v I}{R} = 0.037647$$

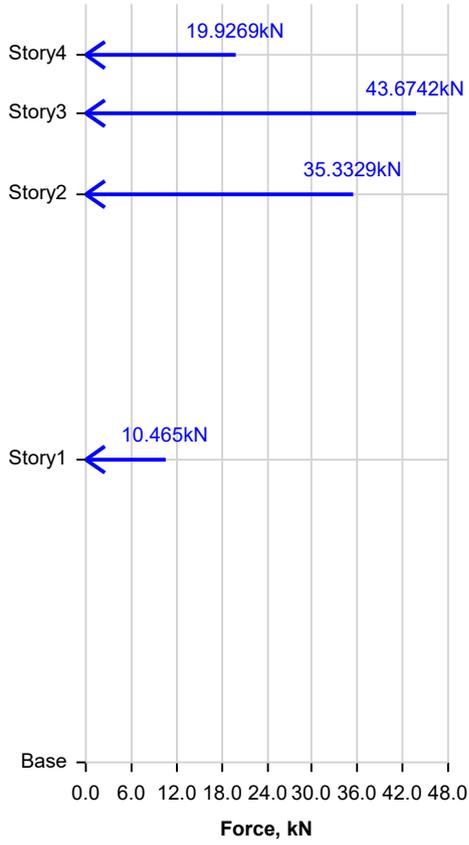
$$\min \leq V_{coeff} \leq \max$$

Calculated Base Shear

Direction	Period Used (sec)	V _{coeff}	W (kN)	V (kN)	F _t (kN)
X + Ecc. Y	0.501	0.129412	845.3553	109.3989	0

Applied Story Forces

Lateral Load to Stories - X



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
Story4	7.465	19.9269	0
Story3	6.845	43.6742	0
Story2	6	35.3329	0
Story1	3.2	10.465	0
Base	0	0	0

UBC 97 Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern EQY according to UBC 97, as calculated by ETABS.

Direction and Eccentricity

Direction = Y + Eccentricity X

Eccentricity Ratio = 5% for all diaphragms

Structural Period

Period Calculation Method = Program Calculated

Coefficient, C_t [UBC 1630.2.2]

$$C_t = 0.035ft$$

Structure Height Above Base, h_n

$$h_n = 24.49 \text{ ft}$$

Approximate Fundamental Period, T_a [UBC 1630.2.2 Eq. 30-8]

$$T_a = C_t (h)^{\frac{3}{4}}$$

$$T_a = 0.385 \text{ sec}$$

Program Calculated Period, T [UBC 1630.2.2.2]

$$T \leq 1.3 T_a$$

Factors and Coefficients

Response Modification Factor, R [UBC Table 16-N]

$$R = 8.5$$

Importance Factor, I [UBC Table 16-K]

$$I = 1$$

Seismic Zone Factor, Z [UBC Table 16-I]

$$Z = 0.4$$

Soil Profile [UBC Table 16-J] = SD

Seismic Source Type = C

Closest Source Distance = 15 km

Near-Source Factor, N_a [UBC Table 16-S]

$$N_a = 1$$

Near-Source Factor, N_v [UBC Table 16-T]

$$N_v = 1$$

Site Coefficient, C_a [UBC Table 16-Q]

$$C_a = 0.44$$

Site Coefficient, C_v [UBC Table 16-R]

$$C_v = 0.64$$

Equivalent Lateral Forces

Base Shear Coefficient [UBC 1630.2.1, Eq. 30-4]

$$= \frac{C_v I}{RT}$$

maximum [UBC 1630.2.1, Eq. 30-5]

$$= \frac{2.5 C_a I}{R} = 0.129412$$

minimum [UBC 1630.2.1, Eq. 30-6]

$$= 0.11 C_a I = 0.0484$$

Zone 4 minimum [UBC 1630.2.1, Eq. 30-7]

$$= \frac{0.8 Z N_v I}{R} = 0.037647$$

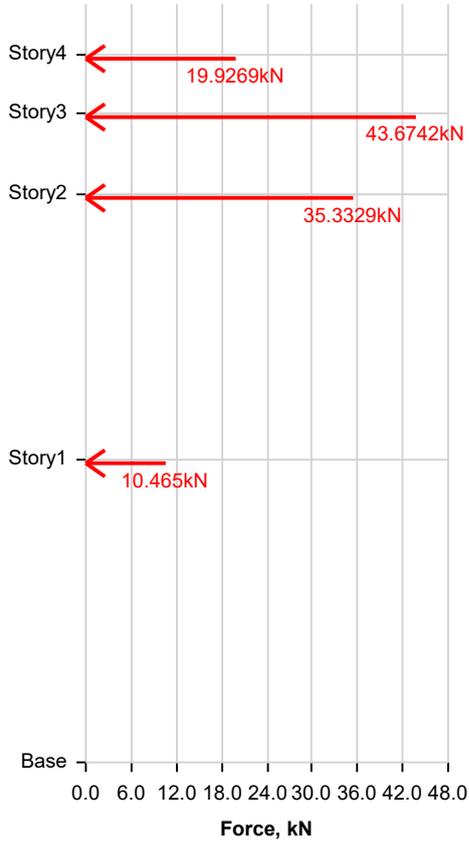
$$\min \leq V_{coeff} \leq \max$$

Calculated Base Shear

Direction	Period Used (sec)	V _{coeff}	W (kN)	V (kN)	F _t (kN)
Y + Ecc. X	0.501	0.129412	845.3553	109.3989	0

Applied Story Forces

Lateral Load to Stories - Y



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
Story4	7.465	0	19.9269
Story3	6.845	0	43.6742
Story2	6	0	35.3329
Story1	3.2	0	10.465
Base	0	0	0

4.4 Applied Loads

4.4.1 Line Loads

Table 4.5 - 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
4	Dead	Story2	B1	Force	Gravity	Relative	0	1	0
9	Dead	Story2	B2	Force	Gravity	Relative	0	1	0
14	Dead	Story2	B3	Force	Gravity	Relative	0	1	0
19	Dead	Story2	B4	Force	Gravity	Relative	0	1	0
24	Dead	Story2	B5	Force	Gravity	Relative	0	1	0
29	Dead	Story2	B6	Force	Gravity	Relative	0	0.25	0
29	Dead	Story2	B6	Force	Gravity	Relative	0.25	0.75	1.0813
29	Dead	Story2	B6	Force	Gravity	Relative	0.75	1	3.2438
29	Dead	Story2	B6	Force	Gravity	Relative	0	1	0
34	Dead	Story2	B7	Force	Gravity	Relative	0	1	0
34	Dead	Story2	B7	Force	Gravity	Relative	0	1	0
54	Dead	Story2	B8	Force	Gravity	Relative	0	1	0
59	Dead	Story2	B9	Force	Gravity	Relative	0	1	0
49	Dead	Story2	B10	Force	Gravity	Relative	0	1	0
44	Dead	Story2	B11	Force	Gravity	Relative	0	1	0
39	Dead	Story2	B12	Force	Gravity	Relative	0	1	0
64	Dead	Story2	B13	Force	Gravity	Relative	0	1	0
64	Dead	Story2	B13	Force	Gravity	Relative	0	1	0
69	Dead	Story2	B14	Force	Gravity	Relative	0	0.25	0
69	Dead	Story2	B14	Force	Gravity	Relative	0.25	0.75	1.0813
69	Dead	Story2	B14	Force	Gravity	Relative	0.75	1	3.2438
69	Dead	Story2	B14	Force	Gravity	Relative	0	1	0
791	Dead	Story2	C1	Force	Gravity	Relative	0	1	0
771	Dead	Story2	C158	Force	Gravity	Relative	0	1	0
765	Dead	Story2	C92	Force	Gravity	Relative	0	1	0
767	Dead	Story2	C93	Force	Gravity	Relative	0	1	0
769	Dead	Story2	C94	Force	Gravity	Relative	0	1	0
773	Dead	Story2	C95	Force	Gravity	Relative	0	1	0
775	Dead	Story2	C96	Force	Gravity	Relative	0	1	0
777	Dead	Story2	C97	Force	Gravity	Relative	0	1	0
779	Dead	Story2	C98	Force	Gravity	Relative	0	1	0
781	Dead	Story2	C99	Force	Gravity	Relative	0	1	0
783	Dead	Story2	C100	Force	Gravity	Relative	0	1	0
785	Dead	Story2	C101	Force	Gravity	Relative	0	1	0
787	Dead	Story2	C102	Force	Gravity	Relative	0	1	0
789	Dead	Story2	C103	Force	Gravity	Relative	0	1	0
5	Dead	Story1	B1	Force	Gravity	Relative	0	1	0
5	Dead	Story1	B1	Force	Gravity	Relative	0	1	0
10	Dead	Story1	B2	Force	Gravity	Relative	0	1	0
10	Dead	Story1	B2	Force	Gravity	Relative	0	1	0
15	Dead	Story1	B3	Force	Gravity	Relative	0	1	0
15	Dead	Story1	B3	Force	Gravity	Relative	0	1	0
20	Dead	Story1	B4	Force	Gravity	Relative	0	1	0
20	Dead	Story1	B4	Force	Gravity	Relative	0	1	0
25	Dead	Story1	B5	Force	Gravity	Relative	0	1	0

Table 4.5 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
25	Dead	Story1	B5	Force	Gravity	Relative	0	1	0
30	Dead	Story1	B6	Force	Gravity	Relative	0	1	0
30	Dead	Story1	B6	Force	Gravity	Relative	0	1	0
35	Dead	Story1	B7	Force	Gravity	Relative	0	1	0
35	Dead	Story1	B7	Force	Gravity	Relative	0	1	0
40	Dead	Story1	B8	Force	Gravity	Relative	0	1	0
40	Dead	Story1	B8	Force	Gravity	Relative	0	1	0
45	Dead	Story1	B9	Force	Gravity	Relative	0	1	0
45	Dead	Story1	B9	Force	Gravity	Relative	0	1	0
50	Dead	Story1	B10	Force	Gravity	Relative	0	1	0
50	Dead	Story1	B10	Force	Gravity	Relative	0	1	0
55	Dead	Story1	B11	Force	Gravity	Relative	0	1	0
55	Dead	Story1	B11	Force	Gravity	Relative	0	1	0
60	Dead	Story1	B12	Force	Gravity	Relative	0	1	0
60	Dead	Story1	B12	Force	Gravity	Relative	0	1	0
65	Dead	Story1	B13	Force	Gravity	Relative	0	1	0
65	Dead	Story1	B13	Force	Gravity	Relative	0	1	0
70	Dead	Story1	B14	Force	Gravity	Relative	0	1	0
70	Dead	Story1	B14	Force	Gravity	Relative	0	1	0
75	Dead	Story1	B15	Force	Gravity	Relative	0	1	0
80	Dead	Story1	B16	Force	Gravity	Relative	0	1	0
368	Dead	Story1	C113	Force	Gravity	Relative	0	1	0
790	Dead	Story1	C1	Force	Gravity	Relative	0	1	0
770	Dead	Story1	C158	Force	Gravity	Relative	0	1	0
764	Dead	Story1	C92	Force	Gravity	Relative	0	1	0
766	Dead	Story1	C93	Force	Gravity	Relative	0	1	0
768	Dead	Story1	C94	Force	Gravity	Relative	0	1	0
772	Dead	Story1	C95	Force	Gravity	Relative	0	1	0
774	Dead	Story1	C96	Force	Gravity	Relative	0	1	0
776	Dead	Story1	C97	Force	Gravity	Relative	0	1	0
778	Dead	Story1	C98	Force	Gravity	Relative	0	1	0
780	Dead	Story1	C99	Force	Gravity	Relative	0	1	0
782	Dead	Story1	C100	Force	Gravity	Relative	0	1	0
784	Dead	Story1	C101	Force	Gravity	Relative	0	1	0
786	Dead	Story1	C102	Force	Gravity	Relative	0	1	0
788	Dead	Story1	C103	Force	Gravity	Relative	0	1	0
1	Dead	Base	B1	Force	Gravity	Relative	0	1	0
1	Dead	Base	B1	Force	Gravity	Relative	0	1	0
6	Dead	Base	B2	Force	Gravity	Relative	0	1	0
6	Dead	Base	B2	Force	Gravity	Relative	0	1	0
11	Dead	Base	B3	Force	Gravity	Relative	0	1	0
11	Dead	Base	B3	Force	Gravity	Relative	0	1	0
16	Dead	Base	B4	Force	Gravity	Relative	0	1	0
16	Dead	Base	B4	Force	Gravity	Relative	0	1	0
21	Dead	Base	B5	Force	Gravity	Relative	0	1	0
21	Dead	Base	B5	Force	Gravity	Relative	0	1	0
26	Dead	Base	B6	Force	Gravity	Relative	0	1	0

Table 4.5 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

UniqueName	Load Pattern	Story	Label	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
26	Dead	Base	B6	Force	Gravity	Relative	0	1	0
31	Dead	Base	B7	Force	Gravity	Relative	0	1	0
31	Dead	Base	B7	Force	Gravity	Relative	0	1	0
36	Dead	Base	B8	Force	Gravity	Relative	0	1	0
36	Dead	Base	B8	Force	Gravity	Relative	0	1	0
41	Dead	Base	B9	Force	Gravity	Relative	0	1	0
41	Dead	Base	B9	Force	Gravity	Relative	0	1	0
46	Dead	Base	B10	Force	Gravity	Relative	0	1	0
46	Dead	Base	B10	Force	Gravity	Relative	0	1	0
51	Dead	Base	B11	Force	Gravity	Relative	0	1	0
51	Dead	Base	B11	Force	Gravity	Relative	0	1	0
56	Dead	Base	B12	Force	Gravity	Relative	0	1	0
56	Dead	Base	B12	Force	Gravity	Relative	0	1	0
61	Dead	Base	B13	Force	Gravity	Relative	0	1	0
61	Dead	Base	B13	Force	Gravity	Relative	0	1	0
66	Dead	Base	B14	Force	Gravity	Relative	0	1	0
66	Dead	Base	B14	Force	Gravity	Relative	0	1	0
71	Dead	Base	B15	Force	Gravity	Relative	0	1	0
71	Dead	Base	B15	Force	Gravity	Relative	0	1	0
76	Dead	Base	B16	Force	Gravity	Relative	0	1	0
76	Dead	Base	B16	Force	Gravity	Relative	0	1	0
81	Dead	Base	B17	Force	Gravity	Relative	0	1	0
86	Dead	Base	B18	Force	Gravity	Relative	0	1	0
91	Dead	Base	B19	Force	Gravity	Relative	0	1	0
96	Dead	Base	B20	Force	Gravity	Relative	0	1	0
101	Dead	Base	B21	Force	Gravity	Relative	0	1	0
106	Dead	Base	B22	Force	Gravity	Relative	0	1	0
111	Dead	Base	B23	Force	Gravity	Relative	0	1	0
116	Dead	Base	B24	Force	Gravity	Relative	0	1	0
121	Dead	Base	B25	Force	Gravity	Relative	0	1	0
126	Dead	Base	B26	Force	Gravity	Relative	0	1	0
131	Dead	Base	B27	Force	Gravity	Relative	0	1	0

Table 4.5 - Frame Loads Assignments - Distributed (Part 2 of 2)

UniqueName	Load Pattern	Absolute Distance B m	Force A kN/m	Force B kN/m
4	Dead	3.25	1.563	1.563
9	Dead	3.25	1.563	1.563
14	Dead	3.25	1.563	1.563
19	Dead	3.25	1.563	1.563
24	Dead	3.25	1.563	1.563
29	Dead	1.0813	6.7	5.025
29	Dead	3.2438	5.025	1.675
29	Dead	4.325	1.675	0
29	Dead	4.325	1.538	1.538
34	Dead	4.325	1.563	1.563

Table 4.5 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Absolute Distance B m	Force A kN/m	Force B kN/m
34	Dead	4.325	0	6.7
54	Dead	3.25	1.563	1.563
59	Dead	3.25	1.563	1.563
49	Dead	3.25	1.563	1.563
44	Dead	3.25	1.563	1.563
39	Dead	3.25	1.563	1.563
64	Dead	4.325	1.563	1.563
64	Dead	4.325	0	6.7
69	Dead	1.0813	6.7	5.025
69	Dead	3.2438	5.025	1.675
69	Dead	4.325	1.675	0
69	Dead	4.325	1.538	1.538
791	Dead	2.8	1.563	1.563
771	Dead	2.8	1.563	1.563
765	Dead	2.8	1.563	1.563
767	Dead	2.8	1.563	1.563
769	Dead	2.8	1.563	1.563
773	Dead	2.8	1.563	1.563
775	Dead	2.8	1.563	1.563
777	Dead	2.8	1.563	1.563
779	Dead	2.8	1.563	1.563
781	Dead	2.8	1.563	1.563
783	Dead	2.8	1.563	1.563
785	Dead	2.8	1.563	1.563
787	Dead	2.8	1.563	1.563
789	Dead	2.8	1.563	1.563
5	Dead	3.25	14	14
5	Dead	3.25	1.563	1.563
10	Dead	3.25	14	14
10	Dead	3.25	1.563	1.563
15	Dead	3.25	14	14
15	Dead	3.25	1.563	1.563
20	Dead	3.25	14	14
20	Dead	3.25	1.563	1.563
25	Dead	3.25	14	14
25	Dead	3.25	1.563	1.563
30	Dead	4.325	1.563	1.563
30	Dead	4.325	14	14
35	Dead	4.325	1.563	1.563
35	Dead	4.325	14	14
40	Dead	3.25	1.563	1.563
40	Dead	3.25	14	14
45	Dead	3.25	1.563	1.563
45	Dead	3.25	14	14
50	Dead	3.25	1.563	1.563
50	Dead	3.25	14	14
55	Dead	3.25	1.563	1.563

Table 4.5 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Absolute Distance B m	Force A kN/m	Force B kN/m
55	Dead	3.25	14	14
60	Dead	3.25	1.563	1.563
60	Dead	3.25	14	14
65	Dead	4.325	1.563	1.563
65	Dead	4.325	14	14
70	Dead	4.325	1.563	1.563
70	Dead	4.325	14	14
75	Dead	4.325	1.563	1.563
80	Dead	3.25	1.563	1.563
368	Dead	3.2	1.563	1.563
790	Dead	3.2	1.563	1.563
770	Dead	3.2	1.563	1.563
764	Dead	3.2	1.563	1.563
766	Dead	3.2	1.563	1.563
768	Dead	3.2	1.563	1.563
772	Dead	3.2	1.563	1.563
774	Dead	3.2	1.563	1.563
776	Dead	3.2	1.563	1.563
778	Dead	3.2	1.563	1.563
780	Dead	3.2	1.563	1.563
782	Dead	3.2	1.563	1.563
784	Dead	3.2	1.563	1.563
786	Dead	3.2	1.563	1.563
788	Dead	3.2	1.563	1.563
1	Dead	3.25	1.875	1.875
1	Dead	3.25	15.36	15.36
6	Dead	3.25	1.875	1.875
6	Dead	3.25	15.36	15.36
11	Dead	3.25	1.875	1.875
11	Dead	3.25	15.36	15.36
16	Dead	3.25	1.875	1.875
16	Dead	3.25	15.36	15.36
21	Dead	3.25	1.875	1.875
21	Dead	3.25	15.36	15.36
26	Dead	4.325	1.875	1.875
26	Dead	4.325	15.36	15.36
31	Dead	4.325	1.875	1.875
31	Dead	4.325	15.36	15.36
36	Dead	3.25	1.875	1.875
36	Dead	3.25	15.36	15.36
41	Dead	3.25	1.875	1.875
41	Dead	3.25	15.36	15.36
46	Dead	3.25	1.875	1.875
46	Dead	3.25	15.36	15.36
51	Dead	3.25	1.875	1.875
51	Dead	3.25	15.36	15.36
56	Dead	3.25	1.875	1.875

Table 4.5 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

UniqueName	Load Pattern	Absolute Distance B m	Force A kN/m	Force B kN/m
56	Dead	3.25	15.36	15.36
61	Dead	4.325	1.875	1.875
61	Dead	4.325	15.36	15.36
66	Dead	4.325	1.875	1.875
66	Dead	4.325	15.36	15.36
71	Dead	4.325	1.875	1.875
71	Dead	4.325	15.36	15.36
76	Dead	3.25	1.875	1.875
76	Dead	3.25	15.36	15.36
81	Dead	4.325	1.875	1.875
86	Dead	4.325	1.875	1.875
91	Dead	4.325	1.875	1.875
96	Dead	4.325	1.875	1.875
101	Dead	3.25	1.875	1.875
106	Dead	4.325	1.875	1.875
111	Dead	4.325	1.875	1.875
116	Dead	4.325	1.875	1.875
121	Dead	3.25	1.875	1.875
126	Dead	3.25	1.875	1.875
131	Dead	3.25	1.875	1.875

4.4.2 Area Loads

Table 4.6 - Area Load Assignments - Uniform

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Story4	F123	123	Dead	Gravity	0.043
Story4	F125	125	Dead	Gravity	0.043
Story4	F127	127	Dead	Gravity	0.043
Story4	F129	129	Dead	Gravity	0.043
Story4	F131	131	Dead	Gravity	0.043
Story4	F133	133	Dead	Gravity	0.043
Story4	F135	135	Dead	Gravity	0.043
Story4	F137	137	Dead	Gravity	0.043
Story4	F139	139	Dead	Gravity	0.043
Story4	F141	141	Dead	Gravity	0.043
Story4	F142	142	Dead	Gravity	0.043
Story4	F143	143	Dead	Gravity	0.043
Story4	F144	144	Dead	Gravity	0.043
Story4	F145	145	Dead	Gravity	0.043
Story4	F146	146	Dead	Gravity	0.043
Story4	F147	147	Dead	Gravity	0.043
Story4	F148	148	Dead	Gravity	0.043
Story4	F149	149	Dead	Gravity	0.043
Story4	F150	150	Dead	Gravity	0.043
Story4	F151	151	Dead	Gravity	0.043
Story4	F152	152	Dead	Gravity	0.043
Story4	F153	153	Dead	Gravity	0.043

Table 4.6 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Story4	F154	154	Dead	Gravity	0.043
Story4	F155	155	Dead	Gravity	0.043
Story4	F156	156	Dead	Gravity	0.043
Story4	F157	157	Dead	Gravity	0.043
Story4	F158	158	Dead	Gravity	0.043
Story4	F159	159	Dead	Gravity	0.043
Story4	F160	160	Dead	Gravity	0.043
Story4	F161	161	Dead	Gravity	0.043
Story4	F203	42	Dead	Gravity	0.043
Story4	F205	44	Dead	Gravity	0.043
Story4	F207	46	Dead	Gravity	0.043
Story4	F209	48	Dead	Gravity	0.043
Story4	F211	50	Dead	Gravity	0.043
Story4	F213	52	Dead	Gravity	0.043
Story4	F215	54	Dead	Gravity	0.043
Story4	F217	56	Dead	Gravity	0.043
Story4	F219	58	Dead	Gravity	0.043
Story4	F221	60	Dead	Gravity	0.043
Story4	F222	61	Dead	Gravity	0.043
Story4	F223	62	Dead	Gravity	0.043
Story4	F224	63	Dead	Gravity	0.043
Story4	F225	64	Dead	Gravity	0.043
Story4	F226	65	Dead	Gravity	0.043
Story4	F227	66	Dead	Gravity	0.043
Story4	F228	67	Dead	Gravity	0.043
Story4	F229	68	Dead	Gravity	0.043
Story4	F230	69	Dead	Gravity	0.043
Story4	F231	70	Dead	Gravity	0.043
Story4	F232	71	Dead	Gravity	0.043
Story4	F233	72	Dead	Gravity	0.043
Story4	F234	73	Dead	Gravity	0.043
Story4	F235	74	Dead	Gravity	0.043
Story4	F236	75	Dead	Gravity	0.043
Story4	F237	76	Dead	Gravity	0.043
Story4	F238	77	Dead	Gravity	0.043
Story4	F239	78	Dead	Gravity	0.043
Story4	F240	79	Dead	Gravity	0.043
Story4	F241	80	Dead	Gravity	0.043
Story3	F82	81	Dead	Gravity	0.043
Story3	F83	82	Dead	Gravity	0.043
Story3	F84	83	Dead	Gravity	0.043
Story3	F85	84	Dead	Gravity	0.043
Story3	F86	85	Dead	Gravity	0.043
Story3	F87	86	Dead	Gravity	0.043
Story3	F88	87	Dead	Gravity	0.043
Story3	F89	88	Dead	Gravity	0.043
Story3	F90	89	Dead	Gravity	0.043
Story3	F91	90	Dead	Gravity	0.043
Story3	F92	91	Dead	Gravity	0.043

Table 4.6 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Story3	F93	93	Dead	Gravity	0.043
Story3	F94	94	Dead	Gravity	0.043
Story3	F95	95	Dead	Gravity	0.043
Story3	F96	96	Dead	Gravity	0.043
Story3	F97	97	Dead	Gravity	0.043
Story3	F98	98	Dead	Gravity	0.043
Story3	F99	99	Dead	Gravity	0.043
Story3	F100	100	Dead	Gravity	0.043
Story3	F101	101	Dead	Gravity	0.043
Story3	F102	102	Dead	Gravity	0.043
Story3	F103	103	Dead	Gravity	0.043
Story3	F104	104	Dead	Gravity	0.043
Story3	F105	105	Dead	Gravity	0.043
Story3	F106	106	Dead	Gravity	0.043
Story3	F107	107	Dead	Gravity	0.043
Story3	F108	108	Dead	Gravity	0.043
Story3	F109	109	Dead	Gravity	0.043
Story3	F110	110	Dead	Gravity	0.043
Story3	F111	111	Dead	Gravity	0.043
Story3	F112	112	Dead	Gravity	0.043
Story3	F113	113	Dead	Gravity	0.043
Story3	F114	114	Dead	Gravity	0.043
Story3	F115	115	Dead	Gravity	0.043
Story3	F116	116	Dead	Gravity	0.043
Story3	F117	117	Dead	Gravity	0.043
Story3	F118	118	Dead	Gravity	0.043
Story3	F119	119	Dead	Gravity	0.043
Story3	F120	120	Dead	Gravity	0.043
Story3	F121	121	Dead	Gravity	0.043
Story3	F162	1	Dead	Gravity	0.043
Story3	F163	2	Dead	Gravity	0.043
Story3	F164	3	Dead	Gravity	0.043
Story3	F165	4	Dead	Gravity	0.043
Story3	F166	5	Dead	Gravity	0.043
Story3	F167	6	Dead	Gravity	0.043
Story3	F168	7	Dead	Gravity	0.043
Story3	F169	8	Dead	Gravity	0.043
Story3	F170	9	Dead	Gravity	0.043
Story3	F171	10	Dead	Gravity	0.043
Story3	F172	11	Dead	Gravity	0.043
Story3	F173	12	Dead	Gravity	0.043
Story3	F174	13	Dead	Gravity	0.043
Story3	F175	14	Dead	Gravity	0.043
Story3	F176	15	Dead	Gravity	0.043
Story3	F177	16	Dead	Gravity	0.043
Story3	F178	17	Dead	Gravity	0.043
Story3	F179	18	Dead	Gravity	0.043
Story3	F180	19	Dead	Gravity	0.043
Story3	F181	20	Dead	Gravity	0.043

Table 4.6 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Story3	F182	21	Dead	Gravity	0.043
Story3	F183	22	Dead	Gravity	0.043
Story3	F184	23	Dead	Gravity	0.043
Story3	F185	24	Dead	Gravity	0.043
Story3	F186	25	Dead	Gravity	0.043
Story3	F187	26	Dead	Gravity	0.043
Story3	F188	27	Dead	Gravity	0.043
Story3	F189	28	Dead	Gravity	0.043
Story3	F190	29	Dead	Gravity	0.043
Story3	F191	30	Dead	Gravity	0.043
Story3	F192	31	Dead	Gravity	0.043
Story3	F193	32	Dead	Gravity	0.043
Story3	F194	33	Dead	Gravity	0.043
Story3	F195	34	Dead	Gravity	0.043
Story3	F196	35	Dead	Gravity	0.043
Story3	F197	36	Dead	Gravity	0.043
Story3	F198	37	Dead	Gravity	0.043
Story3	F199	38	Dead	Gravity	0.043
Story3	F200	39	Dead	Gravity	0.043
Story3	F201	40	Dead	Gravity	0.043
Story4	F123	123	Live	Gravity	1
Story4	F125	125	Live	Gravity	1
Story4	F127	127	Live	Gravity	1
Story4	F129	129	Live	Gravity	1
Story4	F131	131	Live	Gravity	1
Story4	F133	133	Live	Gravity	1
Story4	F135	135	Live	Gravity	1
Story4	F137	137	Live	Gravity	1
Story4	F139	139	Live	Gravity	1
Story4	F141	141	Live	Gravity	1
Story4	F142	142	Live	Gravity	1
Story4	F143	143	Live	Gravity	1
Story4	F144	144	Live	Gravity	1
Story4	F145	145	Live	Gravity	1
Story4	F146	146	Live	Gravity	1
Story4	F147	147	Live	Gravity	1
Story4	F148	148	Live	Gravity	1
Story4	F149	149	Live	Gravity	1
Story4	F150	150	Live	Gravity	1
Story4	F151	151	Live	Gravity	1
Story4	F152	152	Live	Gravity	1
Story4	F153	153	Live	Gravity	1
Story4	F154	154	Live	Gravity	1
Story4	F155	155	Live	Gravity	1
Story4	F156	156	Live	Gravity	1
Story4	F157	157	Live	Gravity	1
Story4	F158	158	Live	Gravity	1
Story4	F159	159	Live	Gravity	1
Story4	F160	160	Live	Gravity	1

Table 4.6 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Story4	F161	161	Live	Gravity	1
Story4	F203	42	Live	Gravity	1
Story4	F205	44	Live	Gravity	1
Story4	F207	46	Live	Gravity	1
Story4	F209	48	Live	Gravity	1
Story4	F211	50	Live	Gravity	1
Story4	F213	52	Live	Gravity	1
Story4	F215	54	Live	Gravity	1
Story4	F217	56	Live	Gravity	1
Story4	F219	58	Live	Gravity	1
Story4	F221	60	Live	Gravity	1
Story4	F222	61	Live	Gravity	1
Story4	F223	62	Live	Gravity	1
Story4	F224	63	Live	Gravity	1
Story4	F225	64	Live	Gravity	1
Story4	F226	65	Live	Gravity	1
Story4	F227	66	Live	Gravity	1
Story4	F228	67	Live	Gravity	1
Story4	F229	68	Live	Gravity	1
Story4	F230	69	Live	Gravity	1
Story4	F231	70	Live	Gravity	1
Story4	F232	71	Live	Gravity	1
Story4	F233	72	Live	Gravity	1
Story4	F234	73	Live	Gravity	1
Story4	F235	74	Live	Gravity	1
Story4	F236	75	Live	Gravity	1
Story4	F237	76	Live	Gravity	1
Story4	F238	77	Live	Gravity	1
Story4	F239	78	Live	Gravity	1
Story4	F240	79	Live	Gravity	1
Story4	F241	80	Live	Gravity	1
Story3	F82	81	Live	Gravity	1
Story3	F83	82	Live	Gravity	1
Story3	F84	83	Live	Gravity	1
Story3	F85	84	Live	Gravity	1
Story3	F86	85	Live	Gravity	1
Story3	F87	86	Live	Gravity	1
Story3	F88	87	Live	Gravity	1
Story3	F89	88	Live	Gravity	1
Story3	F90	89	Live	Gravity	1
Story3	F91	90	Live	Gravity	1
Story3	F92	91	Live	Gravity	1
Story3	F93	93	Live	Gravity	1
Story3	F94	94	Live	Gravity	1
Story3	F95	95	Live	Gravity	1
Story3	F96	96	Live	Gravity	1
Story3	F97	97	Live	Gravity	1
Story3	F98	98	Live	Gravity	1
Story3	F99	99	Live	Gravity	1

Table 4.6 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Story3	F100	100	Live	Gravity	1
Story3	F101	101	Live	Gravity	1
Story3	F102	102	Live	Gravity	1
Story3	F103	103	Live	Gravity	1
Story3	F104	104	Live	Gravity	1
Story3	F105	105	Live	Gravity	1
Story3	F106	106	Live	Gravity	1
Story3	F107	107	Live	Gravity	1
Story3	F108	108	Live	Gravity	1
Story3	F109	109	Live	Gravity	1
Story3	F110	110	Live	Gravity	1
Story3	F111	111	Live	Gravity	1
Story3	F112	112	Live	Gravity	1
Story3	F113	113	Live	Gravity	1
Story3	F114	114	Live	Gravity	1
Story3	F115	115	Live	Gravity	1
Story3	F116	116	Live	Gravity	1
Story3	F117	117	Live	Gravity	1
Story3	F118	118	Live	Gravity	1
Story3	F119	119	Live	Gravity	1
Story3	F120	120	Live	Gravity	1
Story3	F121	121	Live	Gravity	1
Story3	F162	1	Live	Gravity	1
Story3	F163	2	Live	Gravity	1
Story3	F164	3	Live	Gravity	1
Story3	F165	4	Live	Gravity	1
Story3	F166	5	Live	Gravity	1
Story3	F167	6	Live	Gravity	1
Story3	F168	7	Live	Gravity	1
Story3	F169	8	Live	Gravity	1
Story3	F170	9	Live	Gravity	1
Story3	F171	10	Live	Gravity	1
Story3	F172	11	Live	Gravity	1
Story3	F173	12	Live	Gravity	1
Story3	F174	13	Live	Gravity	1
Story3	F175	14	Live	Gravity	1
Story3	F176	15	Live	Gravity	1
Story3	F177	16	Live	Gravity	1
Story3	F178	17	Live	Gravity	1
Story3	F179	18	Live	Gravity	1
Story3	F180	19	Live	Gravity	1
Story3	F181	20	Live	Gravity	1
Story3	F182	21	Live	Gravity	1
Story3	F183	22	Live	Gravity	1
Story3	F184	23	Live	Gravity	1
Story3	F185	24	Live	Gravity	1
Story3	F186	25	Live	Gravity	1
Story3	F187	26	Live	Gravity	1
Story3	F188	27	Live	Gravity	1

Table 4.6 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Story3	F189	28	Live	Gravity	1
Story3	F190	29	Live	Gravity	1
Story3	F191	30	Live	Gravity	1
Story3	F192	31	Live	Gravity	1
Story3	F193	32	Live	Gravity	1
Story3	F194	33	Live	Gravity	1
Story3	F195	34	Live	Gravity	1
Story3	F196	35	Live	Gravity	1
Story3	F197	36	Live	Gravity	1
Story3	F198	37	Live	Gravity	1
Story3	F199	38	Live	Gravity	1
Story3	F200	39	Live	Gravity	1
Story3	F201	40	Live	Gravity	1
Base	F16	177	Live	Gravity	2

4.5 Functions

4.5.1 Response Spectrum Functions

Table 4.7 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Damping Ratio
UnifRS	0	1	0.05
UnifRS	1	1	

4.5.2 Time History Functions

Table 4.8 - Functions - Time History - User Defined

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

4.6 Load Cases

Table 4.9 - Load Case Definitions - Summary

Name	Type
Dead	Linear Static
Live	Linear Static
Modal	Modal - Eigen
Wind	Linear Static
EQX	Linear Static
EQY	Linear Static

4.7 Load Combinations

Table 4.10 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
Comb1	Linear Add	No	Dead	1.3	
Comb1			Live	1.6	
Comb2	Linear Add	No	Dead	1.04	
Comb2			Live	1.28	
Comb2			Wind	1.28	
Comb3	Linear Add	No	Dead	0.975	
Comb3			Live	1.2	
Comb4	Linear Add	No	Dead	0.9	
Comb4			Wind	1.3	
Comb5	Linear Add	No	Dead	0.9	
DSlBS1	Linear Add	Yes	Dead	1.4	Dead [Strength]
DSlBS2	Linear Add	Yes	Dead	1.4	Dead + Live [Strength]
DSlBS2			Live	1.6	
DSlBS3	Linear Add	Yes	Dead	1.2	Dead + Live + Wind + Snow [Strength]
DSlBS3			Live	1.2	
DSlBS3			Wind	1.2	
DSlBS4	Linear Add	Yes	Dead	1.2	Dead + Live - Wind + Snow [Strength]
DSlBS4			Live	1.2	
DSlBS4			Wind	-1.2	
DSlBS5	Linear Add	Yes	Dead	1.4	Dead + Wind [Strength]
DSlBS5			Wind	1.4	
DSlBS6	Linear Add	Yes	Dead	1.4	Dead - Wind [Strength]
DSlBS6			Wind	-1.4	
DSlBS7	Linear Add	Yes	Dead	1	Dead (min) + Wind [Strength]
DSlBS7			Wind	1.4	
DSlBS8	Linear Add	Yes	Dead	1	Dead (min) - Wind [Strength]
DSlBS8			Wind	-1.4	
DSlBS9	Linear Add	Yes	Dead	1.2	Dead + Live + Static Earthquake [Strength]
DSlBS9			Live	1.2	
DSlBS9			EQX	1.2	
DSlBS10	Linear Add	Yes	Dead	1.2	Dead + Live - Static Earthquake [Strength]
DSlBS10			Live	1.2	
DSlBS10			EQX	-1.2	
DSlBS11	Linear Add	Yes	Dead	1.2	Dead + Live + Static Earthquake [Strength]
DSlBS11			Live	1.2	
DSlBS11			EQY	1.2	
DSlBS12	Linear Add	Yes	Dead	1.2	Dead + Live - Static Earthquake [Strength]
DSlBS12			Live	1.2	
DSlBS12			EQY	-1.2	
DSlBS13	Linear Add	Yes	Dead	1.4	Dead + Static Earthquake [Strength]
DSlBS13			EQX	1.4	
DSlBS14	Linear Add	Yes	Dead	1.4	Dead - Static Earthquake [Strength]
DSlBS14			EQX	-1.4	
DSlBS15	Linear Add	Yes	Dead	1.4	Dead + Static Earthquake [Strength]
DSlBS15			EQY	1.4	
DSlBS16	Linear Add	Yes	Dead	1.4	Dead - Static Earthquake [Strength]
DSlBS16			EQY	-1.4	
DSlBS17	Linear Add	Yes	Dead	1	Dead (min) + Static Earthquake [Strength]
DSlBS17			EQX	1.4	

Table 4.10 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DSIbS18	Linear Add	Yes	Dead	1	Dead (min) - Static Earthquake [Strength]
DSIbS18			EQX	-1.4	
DSIbS19	Linear Add	Yes	Dead	1	Dead (min) + Static Earthquake [Strength]
DSIbS19			EQY	1.4	
DSIbS20	Linear Add	Yes	Dead	1	Dead (min) - Static Earthquake [Strength]
DSIbS20			EQY	-1.4	
DStID1	Linear Add	Yes	Dead	1	Dead [Deflections]
DStID2	Linear Add	Yes	Dead	1	Dead + Live [Deflections]
DStID2			Live	1	
DStIS1	Linear Add	Yes	Dead	1.4	Dead [Strength]
DStIS2	Linear Add	Yes	Dead	1.4	Dead + Live [Strength]
DStIS2			Live	1.6	
DStIS3	Linear Add	Yes	Dead	1.2	Dead + Live + Wind + Snow [Strength]
DStIS3			Live	1.2	
DStIS3			Wind	1.2	
DStIS4	Linear Add	Yes	Dead	1.2	Dead + Live - Wind + Snow [Strength]
DStIS4			Live	1.2	
DStIS4			Wind	-1.2	
DStIS5	Linear Add	Yes	Dead	1.4	Dead + Wind [Strength]
DStIS5			Wind	1.4	
DStIS6	Linear Add	Yes	Dead	1.4	Dead - Wind [Strength]
DStIS6			Wind	-1.4	
DStIS7	Linear Add	Yes	Dead	1	Dead (min) + Wind [Strength]
DStIS7			Wind	1.4	
DStIS8	Linear Add	Yes	Dead	1	Dead (min) - Wind [Strength]
DStIS8			Wind	-1.4	
DStIS9	Linear Add	Yes	Dead	1.2	Dead + Live + Static Earthquake [Strength]
DStIS9			Live	1.2	
DStIS9			EQX	1.2	
DStIS10	Linear Add	Yes	Dead	1.2	Dead + Live - Static Earthquake [Strength]
DStIS10			Live	1.2	
DStIS10			EQX	-1.2	
DStIS11	Linear Add	Yes	Dead	1.2	Dead + Live + Static Earthquake [Strength]
DStIS11			Live	1.2	
DStIS11			EQY	1.2	
DStIS12	Linear Add	Yes	Dead	1.2	Dead + Live - Static Earthquake [Strength]
DStIS12			Live	1.2	
DStIS12			EQY	-1.2	
DStIS13	Linear Add	Yes	Dead	1.4	Dead + Static Earthquake [Strength]
DStIS13			EQX	1.4	
DStIS14	Linear Add	Yes	Dead	1.4	Dead - Static Earthquake [Strength]
DStIS14			EQX	-1.4	
DStIS15	Linear Add	Yes	Dead	1.4	Dead + Static Earthquake [Strength]
DStIS15			EQY	1.4	
DStIS16	Linear Add	Yes	Dead	1.4	Dead - Static Earthquake [Strength]
DStIS16			EQY	-1.4	
DStIS17	Linear Add	Yes	Dead	1	Dead (min) + Static Earthquake [Strength]
DStIS17			EQX	1.4	

Table 4.10 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
DStIS18	Linear Add	Yes	Dead	1	Dead (min) - Static Earthquake [Strength]
DStIS18			EQX	-1.4	
DStIS19	Linear Add	Yes	Dead	1	Dead (min) + Static Earthquake [Strength]
DStIS19			EQY	1.4	
DStIS20	Linear Add	Yes	Dead	1	Dead (min) - Static Earthquake [Strength]
DStIS20			EQY	-1.4	

5 Analysis Results

This chapter provides analysis results.

5.1 Structure Results

Table 5.1 - Base Reactions

Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m	X m	Y m	Z m
Dead	LinStatic	0	4.947E-06	3150.4173	13453.0743	-24770.8852	0.0001	0	0	0
Live	LinStatic	0	1.28E-06	422.4093	1826.9204	-3432.0758	2.079E-05	0	0	0
Wind	LinStatic	0	-4.164	53.2696	231.8177	-432.8153	-33.8324	0	0	0
EQX	LinStatic	-102.7123	0	0	-1.411E-06	-653.0693	443.2819	0	0	0
EQY	LinStatic	0	-102.7124	-2.914E-05	653.0698	0.0005	-829.3445	0	0	0
Comb1	Combination	0	8.478E-06	4771.3975	20412.0691	-37693.4721	0.0001	0	0	0
Comb2	Combination	0	-5.3299	3885.303	16626.382	-30708.7813	-43.3054	0	0	0
Comb3	Combination	0	6.359E-06	3578.5481	15309.0519	-28270.1041	0.0001	0	0	0
Comb4	Combination	0	-5.4132	2904.6261	12409.1299	-22856.4566	-43.9821	0	0	0
Comb5	Combination	0	4.452E-06	2835.3756	12107.7669	-22293.7967	0.0001	0	0	0
DStlS1	Combination	0	6.925E-06	4410.5843	18834.304	-34679.2393	0.0001	0	0	0
DStlS2	Combination	0	8.973E-06	5086.4392	21757.3766	-40170.5606	0.0001	0	0	0
DStlS3	Combination	0	-4.9968	4351.3155	18614.1748	-34362.9316	-40.5988	0	0	0
DStlS4	Combination	0	4.9968	4223.4685	18057.8123	-33324.1749	40.599	0	0	0
DStlS5	Combination	0	-5.8296	4485.1617	19158.8488	-35285.1807	-47.3653	0	0	0
DStlS6	Combination	0	5.8296	4336.0069	18509.7592	-34073.2979	47.3655	0	0	0
DStlS7	Combination	0	-5.8296	3224.9947	13777.6191	-25376.8266	-47.3653	0	0	0
DStlS8	Combination	0	5.8296	3075.8399	13128.5295	-24164.9438	47.3655	0	0	0
DStlS9	Combination	-123.2548	7.774E-06	4287.392	18335.9936	-34627.2364	531.9384	0	0	0
DStlS10	Combination	123.2548	7.169E-06	4287.392	18335.9936	-33059.8701	-531.9381	0	0	0
DStlS11	Combination	0	-123.2549	4287.392	19119.6774	-33843.5527	-995.2133	0	0	0
DStlS12	Combination	0	123.2549	4287.392	17552.3098	-33843.5538	995.2135	0	0	0
DStlS13	Combination	-143.7972	7.279E-06	4410.5843	18834.304	-35593.5364	620.5947	0	0	0
DStlS14	Combination	143.7972	6.572E-06	4410.5843	18834.304	-33764.9422	-620.5945	0	0	0
DStlS15	Combination	0	-143.7974	4410.5842	19748.6018	-34679.2386	-1161.0822	0	0	0
DStlS16	Combination	0	143.7974	4410.5843	17920.0063	-34679.24	1161.0824	0	0	0
DStlS17	Combination	-143.7972	5.3E-06	3150.4173	13453.0743	-25685.1823	620.5947	0	0	0
DStlS18	Combination	143.7972	4.593E-06	3150.4173	13453.0743	-23856.5882	-620.5945	0	0	0
DStlS19	Combination	0	-143.7974	3150.4173	14367.372	-24770.8846	-1161.0822	0	0	0
DStlS20	Combination	0	143.7974	3150.4174	12538.7765	-24770.8859	1161.0824	0	0	0
DStlD1	Combination	0	4.947E-06	3150.4173	13453.0743	-24770.8852	0.0001	0	0	0
DStlD2	Combination	0	6.226E-06	3572.8267	15279.9946	-28202.961	0.0001	0	0	0
DSlS1	Combination	0	6.925E-06	4410.5843	18834.304	-34679.2393	0.0001	0	0	0
DSlS2	Combination	0	8.973E-06	5086.4392	21757.3766	-40170.5606	0.0001	0	0	0
DSlS3	Combination	0	-4.9968	4351.3155	18614.1748	-34362.9316	-40.5988	0	0	0
DSlS4	Combination	0	4.9968	4223.4685	18057.8123	-33324.1749	40.599	0	0	0
DSlS5	Combination	0	-5.8296	4485.1617	19158.8488	-35285.1807	-47.3653	0	0	0
DSlS6	Combination	0	5.8296	4336.0069	18509.7592	-34073.2979	47.3655	0	0	0
DSlS7	Combination	0	-5.8296	3224.9947	13777.6191	-25376.8266	-47.3653	0	0	0
DSlS8	Combination	0	5.8296	3075.8399	13128.5295	-24164.9438	47.3655	0	0	0
DSlS9	Combination	-123.2548	7.774E-06	4287.392	18335.9936	-34627.2364	531.9384	0	0	0
DSlS10	Combination	123.2548	7.169E-06	4287.392	18335.9936	-33059.8701	-531.9381	0	0	0
DSlS11	Combination	0	-123.2549	4287.392	19119.6774	-33843.5527	-995.2133	0	0	0
DSlS12	Combination	0	123.2549	4287.392	17552.3098	-33843.5538	995.2135	0	0	0
DSlS13	Combination	-143.7972	7.279E-06	4410.5843	18834.304	-35593.5364	620.5947	0	0	0

Table 5.1 - Base Reactions (continued)

Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m	X m	Y m	Z m
DSIbS14	Combination	143.7972	6.572E-06	4410.5843	18834.304	-33764.9422	-620.5945	0	0	0
DSIbS15	Combination	0	-143.7974	4410.5842	19748.6018	-34679.2386	-1161.0822	0	0	0
DSIbS16	Combination	0	143.7974	4410.5843	17920.0063	-34679.24	1161.0824	0	0	0
DSIbS17	Combination	-143.7972	5.3E-06	3150.4173	13453.0743	-25685.1823	620.5947	0	0	0
DSIbS18	Combination	143.7972	4.593E-06	3150.4173	13453.0743	-23856.5882	-620.5945	0	0	0
DSIbS19	Combination	0	-143.7974	3150.4173	14367.372	-24770.8846	-1161.0822	0	0	0
DSIbS20	Combination	0	143.7974	3150.4174	12538.7765	-24770.8859	1161.0824	0	0	0

5.2 Story Results

Table 5.2 - Story Drifts

Story	Output Case	Case Type	Direction	Drift	Label	X m	Y m	Z m
Story4	Dead	LinStatic	X	0.004202	14	0	4.325	7.465
Story4	Dead	LinStatic	Y	2E-06	15	3.25	4.325	7.465
Story4	Live	LinStatic	X	0.001058	14	0	4.325	7.465
Story4	Live	LinStatic	Y	1E-06	15	3.25	4.325	7.465
Story4	Wind	LinStatic	Y	6.8E-05	147	8.125	4.325	7.465
Story4	EQX	LinStatic	X	0.000499	276	1.625	4.325	7.465
Story4	EQY	LinStatic	Y	0.000267	16	6.5	4.325	7.465
Story4	Comb1	Combination	X	0.007155	14	0	4.325	7.465
Story4	Comb1	Combination	Y	3E-06	15	3.25	4.325	7.465
Story4	Comb2	Combination	Y	8.8E-05	17	9.75	4.325	7.465
Story4	Comb3	Combination	X	0.005366	14	0	4.325	7.465
Story4	Comb3	Combination	Y	3E-06	15	3.25	4.325	7.465
Story4	Comb4	Combination	Y	8.9E-05	17	9.75	4.325	7.465
Story4	Comb5	Combination	X	0.003782	14	0	4.325	7.465
Story4	Comb5	Combination	Y	2E-06	15	3.25	4.325	7.465
Story4	DStIS1	Combination	X	0.005883	14	0	4.325	7.465
Story4	DStIS1	Combination	Y	3E-06	15	3.25	4.325	7.465
Story4	DStIS2	Combination	X	0.007575	14	0	4.325	7.465
Story4	DStIS2	Combination	Y	4E-06	15	3.25	4.325	7.465
Story4	DStIS3	Combination	Y	8.3E-05	17	9.75	4.325	7.465
Story4	DStIS4	Combination	Y	8.4E-05	15	3.25	4.325	7.465
Story4	DStIS5	Combination	Y	9.7E-05	17	9.75	4.325	7.465
Story4	DStIS6	Combination	Y	9.7E-05	15	3.25	4.325	7.465
Story4	DStIS7	Combination	Y	9.6E-05	17	9.75	4.325	7.465
Story4	DStIS8	Combination	Y	9.6E-05	15	3.25	4.325	7.465
Story4	DStIS9	Combination	X	0.006663	7	16.25	4.325	7.465
Story4	DStIS10	Combination	X	0.006663	14	0	4.325	7.465
Story4	DStIS11	Combination	Y	0.000321	16	6.5	4.325	7.465
Story4	DStIS12	Combination	Y	0.00032	16	6.5	4.325	7.465
Story4	DStIS13	Combination	X	0.006293	7	16.25	4.325	7.465
Story4	DStIS14	Combination	X	0.006292	14	0	4.325	7.465
Story4	DStIS15	Combination	Y	0.000375	16	6.5	4.325	7.465
Story4	DStIS16	Combination	Y	0.000374	16	6.5	4.325	7.465
Story4	DStIS17	Combination	X	0.004612	7	16.25	4.325	7.465
Story4	DStIS18	Combination	X	0.004612	14	0	4.325	7.465
Story4	DStIS19	Combination	Y	0.000374	16	6.5	4.325	7.465
Story4	DStIS20	Combination	Y	0.000374	16	6.5	4.325	7.465

Table 5.2 - Story Drifts (continued)

Story	Output Case	Case Type	Direction	Drift	Label	X m	Y m	Z m
Story4	DStlD1	Combination	X	0.004202	14	0	4.325	7.465
Story4	DStlD1	Combination	Y	2E-06	15	3.25	4.325	7.465
Story4	DStlD2	Combination	X	0.00526	14	0	4.325	7.465
Story4	DStlD2	Combination	Y	2E-06	15	3.25	4.325	7.465
Story4	DSlS1	Combination	X	0.005883	14	0	4.325	7.465
Story4	DSlS1	Combination	Y	3E-06	15	3.25	4.325	7.465
Story4	DSlS2	Combination	X	0.007575	14	0	4.325	7.465
Story4	DSlS2	Combination	Y	4E-06	15	3.25	4.325	7.465
Story4	DSlS3	Combination	Y	8.3E-05	17	9.75	4.325	7.465
Story4	DSlS4	Combination	Y	8.4E-05	15	3.25	4.325	7.465
Story4	DSlS5	Combination	Y	9.7E-05	17	9.75	4.325	7.465
Story4	DSlS6	Combination	Y	9.7E-05	15	3.25	4.325	7.465
Story4	DSlS7	Combination	Y	9.6E-05	17	9.75	4.325	7.465
Story4	DSlS8	Combination	Y	9.6E-05	15	3.25	4.325	7.465
Story4	DSlS9	Combination	X	0.006663	7	16.25	4.325	7.465
Story4	DSlS10	Combination	X	0.006663	14	0	4.325	7.465
Story4	DSlS11	Combination	Y	0.000321	16	6.5	4.325	7.465
Story4	DSlS12	Combination	Y	0.00032	16	6.5	4.325	7.465
Story4	DSlS13	Combination	X	0.006293	7	16.25	4.325	7.465
Story4	DSlS14	Combination	X	0.006292	14	0	4.325	7.465
Story4	DSlS15	Combination	Y	0.000375	16	6.5	4.325	7.465
Story4	DSlS16	Combination	Y	0.000374	16	6.5	4.325	7.465
Story4	DSlS17	Combination	X	0.004612	7	16.25	4.325	7.465
Story4	DSlS18	Combination	X	0.004612	14	0	4.325	7.465
Story4	DSlS19	Combination	Y	0.000374	16	6.5	4.325	7.465
Story4	DSlS20	Combination	Y	0.000374	16	6.5	4.325	7.465
Story2	Dead	LinStatic	Y	0.000251	1	0	8.65	6
Story2	Live	LinStatic	Y	6E-05	1	0	8.65	6
Story2	Wind	LinStatic	Y	0.000136	4	9.75	8.65	6
Story2	EQX	LinStatic	X	0.001173	7	16.25	4.325	6
Story2	EQY	LinStatic	Y	0.002714	12	3.25	0	6
Story2	Comb1	Combination	Y	0.000422	1	0	8.65	6
Story2	Comb2	Combination	Y	0.000497	1	0	8.65	6
Story2	Comb3	Combination	Y	0.000316	1	0	8.65	6
Story2	Comb4	Combination	Y	0.000387	1	0	8.65	6
Story2	Comb5	Combination	Y	0.000226	1	0	8.65	6
Story2	DStlS1	Combination	Y	0.000351	1	0	8.65	6
Story2	DStlS2	Combination	Y	0.000447	1	0	8.65	6
Story2	DStlS3	Combination	Y	0.000522	1	0	8.65	6
Story2	DStlS4	Combination	Y	0.000394	8	16.25	0	6
Story2	DStlS5	Combination	Y	0.000525	1	0	8.65	6
Story2	DStlS6	Combination	Y	0.00039	8	16.25	0	6
Story2	DStlS7	Combination	Y	0.000425	1	0	8.65	6
Story2	DStlS8	Combination	Y	0.000314	8	16.25	0	6
Story2	DStlS9	Combination	X	0.001416	14	0	4.325	6
Story2	DStlS10	Combination	X	0.001426	7	16.25	4.325	6
Story2	DStlS11	Combination	Y	0.00328	4	9.75	8.65	6
Story2	DStlS12	Combination	Y	0.003416	12	3.25	0	6
Story2	DStlS13	Combination	X	0.001654	14	0	4.325	6

Table 5.2 - Story Drifts (continued)

Story	Output Case	Case Type	Direction	Drift	Label	X m	Y m	Z m
Story2	DStIS14	Combination	X	0.001664	7	16.25	4.325	6
Story2	DStIS15	Combination	Y	0.003799	4	9.75	8.65	6
Story2	DStIS16	Combination	Y	0.003935	12	3.25	0	6
Story2	DStIS17	Combination	X	0.001639	14	0	4.325	6
Story2	DStIS18	Combination	X	0.001658	7	16.25	4.325	6
Story2	DStIS19	Combination	Y	0.003765	4	9.75	8.65	6
Story2	DStIS20	Combination	Y	0.003896	12	3.25	0	6
Story2	DStID1	Combination	Y	0.000251	1	0	8.65	6
Story2	DStID2	Combination	Y	0.000311	1	0	8.65	6
Story2	DSIbS1	Combination	Y	0.000351	1	0	8.65	6
Story2	DSIbS2	Combination	Y	0.000447	1	0	8.65	6
Story2	DSIbS3	Combination	Y	0.000522	1	0	8.65	6
Story2	DSIbS4	Combination	Y	0.000394	8	16.25	0	6
Story2	DSIbS5	Combination	Y	0.000525	1	0	8.65	6
Story2	DSIbS6	Combination	Y	0.00039	8	16.25	0	6
Story2	DSIbS7	Combination	Y	0.000425	1	0	8.65	6
Story2	DSIbS8	Combination	Y	0.000314	8	16.25	0	6
Story2	DSIbS9	Combination	X	0.001416	14	0	4.325	6
Story2	DSIbS10	Combination	X	0.001426	7	16.25	4.325	6
Story2	DSIbS11	Combination	Y	0.00328	4	9.75	8.65	6
Story2	DSIbS12	Combination	Y	0.003416	12	3.25	0	6
Story2	DSIbS13	Combination	X	0.001654	14	0	4.325	6
Story2	DSIbS14	Combination	X	0.001664	7	16.25	4.325	6
Story2	DSIbS15	Combination	Y	0.003799	4	9.75	8.65	6
Story2	DSIbS16	Combination	Y	0.003935	12	3.25	0	6
Story2	DSIbS17	Combination	X	0.001639	14	0	4.325	6
Story2	DSIbS18	Combination	X	0.001658	7	16.25	4.325	6
Story2	DSIbS19	Combination	Y	0.003765	4	9.75	8.65	6
Story2	DSIbS20	Combination	Y	0.003896	12	3.25	0	6
Story1	Dead	LinStatic	X	6E-05	7	16.25	4.325	3.2
Story1	Dead	LinStatic	Y	0.000299	3	6.5	8.65	3.2
Story1	Live	LinStatic	X	1.1E-05	7	16.25	4.325	3.2
Story1	Live	LinStatic	Y	7.3E-05	3	6.5	8.65	3.2
Story1	Wind	LinStatic	Y	8.6E-05	4	9.75	8.65	3.2
Story1	EQX	LinStatic	X	0.000998	4	9.75	8.65	3.2
Story1	EQY	LinStatic	Y	0.001869	7	16.25	4.325	3.2
Story1	Comb1	Combination	X	9.5E-05	7	16.25	4.325	3.2
Story1	Comb1	Combination	Y	0.000505	3	6.5	8.65	3.2
Story1	Comb2	Combination	X	8.2E-05	7	16.25	4.325	3.2
Story1	Comb2	Combination	Y	0.000513	3	6.5	8.65	3.2
Story1	Comb3	Combination	X	7.2E-05	7	16.25	4.325	3.2
Story1	Comb3	Combination	Y	0.000379	3	6.5	8.65	3.2
Story1	Comb4	Combination	X	6E-05	7	16.25	4.325	3.2
Story1	Comb4	Combination	Y	0.000379	3	6.5	8.65	3.2
Story1	Comb5	Combination	X	5.4E-05	7	16.25	4.325	3.2
Story1	Comb5	Combination	Y	0.000269	3	6.5	8.65	3.2
Story1	DStIS1	Combination	X	8.4E-05	7	16.25	4.325	3.2
Story1	DStIS1	Combination	Y	0.000418	3	6.5	8.65	3.2
Story1	DStIS2	Combination	X	0.000101	7	16.25	4.325	3.2

Table 5.2 - Story Drifts (continued)

Story	Output Case	Case Type	Direction	Drift	Label	X m	Y m	Z m
Story1	DStlS2	Combination	Y	0.000535	3	6.5	8.65	3.2
Story1	DStlS3	Combination	X	9E-05	7	16.25	4.325	3.2
Story1	DStlS3	Combination	Y	0.000548	3	6.5	8.65	3.2
Story1	DStlS4	Combination	X	8E-05	7	16.25	4.325	3.2
Story1	DStlS4	Combination	Y	0.000438	10	9.75	0	3.2
Story1	DStlS5	Combination	X	9E-05	7	16.25	4.325	3.2
Story1	DStlS5	Combination	Y	0.000537	3	6.5	8.65	3.2
Story1	DStlS6	Combination	X	7.8E-05	7	16.25	4.325	3.2
Story1	DStlS6	Combination	Y	0.000417	10	9.75	0	3.2
Story1	DStlS7	Combination	X	6.6E-05	7	16.25	4.325	3.2
Story1	DStlS7	Combination	Y	0.000418	3	6.5	8.65	3.2
Story1	DStlS8	Combination	X	5.4E-05	7	16.25	4.325	3.2
Story1	DStlS8	Combination	Y	0.000311	10	9.75	0	3.2
Story1	DStlS9	Combination	X	0.001202	6	16.25	8.65	3.2
Story1	DStlS10	Combination	X	0.001211	12	3.25	0	3.2
Story1	DStlS11	Combination	Y	0.002263	6	16.25	8.65	3.2
Story1	DStlS12	Combination	Y	0.002231	8	16.25	0	3.2
Story1	DStlS13	Combination	X	0.0014	5	13	8.65	3.2
Story1	DStlS14	Combination	X	0.001409	12	3.25	0	3.2
Story1	DStlS15	Combination	Y	0.002637	6	16.25	8.65	3.2
Story1	DStlS16	Combination	Y	0.002605	8	16.25	0	3.2
Story1	DStlS17	Combination	X	0.001399	5	13	8.65	3.2
Story1	DStlS18	Combination	X	0.001404	11	6.5	0	3.2
Story1	DStlS19	Combination	Y	0.002631	6	16.25	8.65	3.2
Story1	DStlS20	Combination	Y	0.002608	8	16.25	0	3.2
Story1	DStlD1	Combination	X	6E-05	7	16.25	4.325	3.2
Story1	DStlD1	Combination	Y	0.000299	3	6.5	8.65	3.2
Story1	DStlD2	Combination	X	7.1E-05	7	16.25	4.325	3.2
Story1	DStlD2	Combination	Y	0.000372	3	6.5	8.65	3.2
Story1	DSlS1	Combination	X	8.4E-05	7	16.25	4.325	3.2
Story1	DSlS1	Combination	Y	0.000418	3	6.5	8.65	3.2
Story1	DSlS2	Combination	X	0.000101	7	16.25	4.325	3.2
Story1	DSlS2	Combination	Y	0.000535	3	6.5	8.65	3.2
Story1	DSlS3	Combination	X	9E-05	7	16.25	4.325	3.2
Story1	DSlS3	Combination	Y	0.000548	3	6.5	8.65	3.2
Story1	DSlS4	Combination	X	8E-05	7	16.25	4.325	3.2
Story1	DSlS4	Combination	Y	0.000438	10	9.75	0	3.2
Story1	DSlS5	Combination	X	9E-05	7	16.25	4.325	3.2
Story1	DSlS5	Combination	Y	0.000537	3	6.5	8.65	3.2
Story1	DSlS6	Combination	X	7.8E-05	7	16.25	4.325	3.2
Story1	DSlS6	Combination	Y	0.000417	10	9.75	0	3.2
Story1	DSlS7	Combination	X	6.6E-05	7	16.25	4.325	3.2
Story1	DSlS7	Combination	Y	0.000418	3	6.5	8.65	3.2
Story1	DSlS8	Combination	X	5.4E-05	7	16.25	4.325	3.2
Story1	DSlS8	Combination	Y	0.000311	10	9.75	0	3.2
Story1	DSlS9	Combination	X	0.001202	6	16.25	8.65	3.2
Story1	DSlS10	Combination	X	0.001211	12	3.25	0	3.2
Story1	DSlS11	Combination	Y	0.002263	6	16.25	8.65	3.2
Story1	DSlS12	Combination	Y	0.002231	8	16.25	0	3.2

Table 5.2 - Story Drifts (continued)

Story	Output Case	Case Type	Direction	Drift	Label	X m	Y m	Z m
Story1	DSIbS13	Combination	X	0.0014	5	13	8.65	3.2
Story1	DSIbS14	Combination	X	0.001409	12	3.25	0	3.2
Story1	DSIbS15	Combination	Y	0.002637	6	16.25	8.65	3.2
Story1	DSIbS16	Combination	Y	0.002605	8	16.25	0	3.2
Story1	DSIbS17	Combination	X	0.001399	5	13	8.65	3.2
Story1	DSIbS18	Combination	X	0.001404	11	6.5	0	3.2
Story1	DSIbS19	Combination	Y	0.002631	6	16.25	8.65	3.2
Story1	DSIbS20	Combination	Y	0.002608	8	16.25	0	3.2

Table 5.3 - Story Forces

Story	Output Case	Case Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
Story4	Dead	LinStatic	Top	32.1864	0	0	0	139.206	-261.5142
Story4	Dead	LinStatic	Bottom	401.9053	2.577E-05	0.0215	0.2553	1738.2195	-3265.6834
Story4	Live	LinStatic	Top	8.1314	0	0	0	35.1685	-66.068
Story4	Live	LinStatic	Bottom	98.7276	9.131E-06	0.0014	0.0337	426.996	-802.2071
Story4	Wind	LinStatic	Top	3.8255	0	-0.299	-2.4296	16.5452	-31.0821
Story4	Wind	LinStatic	Bottom	39.438	-3.513E-06	5.0225	40.7928	163.4442	-320.4114
Story4	EQX	LinStatic	Top	0	-19.9269	0	86.1838	0	0
Story4	EQX	LinStatic	Bottom	-0.0306	-21.7698	-0.0187	93.9971	-0.1121	-11.4315
Story4	EQY	LinStatic	Top	0	0	-19.9269	-161.9059	0	0
Story4	EQY	LinStatic	Bottom	0.2092	-0.0001	-2.0694	-17.3352	-5.3561	-0.8029
Story4	Comb1	Combination	Top	54.8526	0	0	0	237.2374	-445.6771
Story4	Comb1	Combination	Bottom	680.4411	4.811E-05	0.0301	0.3858	2942.8789	-5528.9198
Story4	Comb2	Combination	Top	48.7787	0	-0.3828	-3.1099	210.9678	-396.3268
Story4	Comb2	Combination	Bottom	594.8335	3.399E-05	6.4528	52.5234	2563.5118	-4833.2624
Story4	Comb3	Combination	Top	41.1394	0	0	0	177.928	-334.2579
Story4	Comb3	Combination	Bottom	510.3308	3.608E-05	0.0226	0.2893	2207.1592	-4146.6898
Story4	Comb4	Combination	Top	33.9409	0	-0.3887	-3.1585	146.7942	-275.7694
Story4	Comb4	Combination	Bottom	412.9842	1.862E-05	6.5485	53.2604	1776.8751	-3355.6499
Story4	Comb5	Combination	Top	28.9677	0	0	0	125.2854	-235.3627
Story4	Comb5	Combination	Bottom	361.7147	2.319E-05	0.0193	0.2298	1564.3976	-2939.1151
Story4	DStIS1	Combination	Top	45.0609	0	0	0	194.8884	-366.1198
Story4	DStIS1	Combination	Bottom	562.6674	3.608E-05	0.0301	0.3574	2433.5074	-4571.9568
Story4	DStIS2	Combination	Top	58.0712	0	0	0	251.158	-471.8285
Story4	DStIS2	Combination	Bottom	720.6316	0.0001	0.0323	0.4113	3116.7009	-5855.4881
Story4	DStIS3	Combination	Top	52.9719	0	-0.3588	-2.9156	229.1037	-430.397
Story4	DStIS3	Combination	Bottom	648.0851	3.766E-05	6.0544	49.2981	2794.3917	-5265.9623
Story4	DStIS4	Combination	Top	43.7908	0	0.3588	2.9156	189.3951	-355.8
Story4	DStIS4	Combination	Bottom	553.4338	4.61E-05	-5.9995	-48.6045	2402.1255	-4496.975
Story4	DStIS5	Combination	Top	50.4166	0	-0.4186	-3.4015	218.0517	-409.6347
Story4	DStIS5	Combination	Bottom	617.8806	3.116E-05	7.0615	57.4673	2662.3293	-5020.5327
Story4	DStIS6	Combination	Top	39.7052	0	0.4186	3.4015	171.7251	-322.6049
Story4	DStIS6	Combination	Bottom	507.4541	4.099E-05	-7.0014	-56.7525	2204.6854	-4123.3809
Story4	DStIS7	Combination	Top	37.542	0	-0.4186	-3.4015	162.3693	-305.0291
Story4	DStIS7	Combination	Bottom	457.1185	2.085E-05	7.0529	57.3652	1967.0415	-3714.2594
Story4	DStIS8	Combination	Top	26.8307	0	0.4186	3.4015	116.0427	-217.9992
Story4	DStIS8	Combination	Bottom	346.692	3.069E-05	-7.01	-56.8546	1509.3976	-2817.1075
Story4	DStIS9	Combination	Top	48.3814	-23.9123	0	103.4205	209.2494	-393.0985

Table 5.3 - Story Forces (continued)

Story	Output Case	Case Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
Story4	DStIS9	Combination	Bottom	600.7228	-26.1237	0.005	113.1433	2598.1241	-4895.1864
Story4	DStIS10	Combination	Top	48.3814	23.9123	0	-103.4205	209.2494	-393.0985
Story4	DStIS10	Combination	Bottom	600.7962	26.1238	0.0498	-112.4498	2598.3931	-4867.7508
Story4	DStIS11	Combination	Top	48.3814	0	-23.9123	-194.2871	209.2494	-393.0985
Story4	DStIS11	Combination	Bottom	601.0105	-0.0001	-2.4558	-20.4555	2591.8313	-4882.4321
Story4	DStIS12	Combination	Top	48.3814	0	23.9123	194.2871	209.2494	-393.0985
Story4	DStIS12	Combination	Bottom	600.5085	0.0002	2.5107	21.1491	2604.6859	-4880.5052
Story4	DStIS13	Combination	Top	45.0609	-27.8976	0	120.6573	194.8884	-366.1198
Story4	DStIS13	Combination	Bottom	562.6245	-30.4776	0.0039	131.9534	2433.3504	-4587.9609
Story4	DStIS14	Combination	Top	45.0609	27.8976	0	-120.6573	194.8884	-366.1198
Story4	DStIS14	Combination	Bottom	562.7102	30.4777	0.0562	-131.2386	2433.6643	-4555.9527
Story4	DStIS15	Combination	Top	45.0609	0	-27.8976	-226.6683	194.8884	-366.1198
Story4	DStIS15	Combination	Bottom	562.9602	-0.0002	-2.8671	-23.9119	2426.0088	-4573.0809
Story4	DStIS16	Combination	Top	45.0609	0	27.8976	226.6683	194.8884	-366.1198
Story4	DStIS16	Combination	Bottom	562.3745	0.0002	2.9272	24.6267	2441.0059	-4570.8328
Story4	DStIS17	Combination	Top	32.1864	-27.8976	0	120.6573	139.206	-261.5142
Story4	DStIS17	Combination	Bottom	401.8624	-30.4777	-0.0047	131.8513	1738.0626	-3281.6875
Story4	DStIS18	Combination	Top	32.1864	27.8976	0	-120.6573	139.206	-261.5142
Story4	DStIS18	Combination	Bottom	401.9481	30.4777	0.0476	-131.3407	1738.3765	-3249.6794
Story4	DStIS19	Combination	Top	32.1864	0	-27.8976	-226.6683	139.206	-261.5142
Story4	DStIS19	Combination	Bottom	402.1981	-0.0002	-2.8756	-24.0141	1730.721	-3266.8075
Story4	DStIS20	Combination	Top	32.1864	0	27.8976	226.6683	139.206	-261.5142
Story4	DStIS20	Combination	Bottom	401.6124	0.0002	2.9186	24.5246	1745.7181	-3264.5594
Story4	DStID1	Combination	Top	32.1864	0	0	0	139.206	-261.5142
Story4	DStID1	Combination	Bottom	401.9053	2.577E-05	0.0215	0.2553	1738.2195	-3265.6834
Story4	DStID2	Combination	Top	40.3178	0	0	0	174.3745	-327.5821
Story4	DStID2	Combination	Bottom	500.6329	3.49E-05	0.0228	0.289	2165.2155	-4067.8905
Story4	DSIbS1	Combination	Top	45.0609	0	0	0	194.8884	-366.1198
Story4	DSIbS1	Combination	Bottom	562.6674	3.608E-05	0.0301	0.3574	2433.5074	-4571.9568
Story4	DSIbS2	Combination	Top	58.0712	0	0	0	251.158	-471.8285
Story4	DSIbS2	Combination	Bottom	720.6316	0.0001	0.0323	0.4113	3116.7009	-5855.4881
Story4	DSIbS3	Combination	Top	52.9719	0	-0.3588	-2.9156	229.1037	-430.397
Story4	DSIbS3	Combination	Bottom	648.0851	3.766E-05	6.0544	49.2981	2794.3917	-5265.9623
Story4	DSIbS4	Combination	Top	43.7908	0	0.3588	2.9156	189.3951	-355.8
Story4	DSIbS4	Combination	Bottom	553.4338	4.61E-05	-5.9995	-48.6045	2402.1255	-4496.975
Story4	DSIbS5	Combination	Top	50.4166	0	-0.4186	-3.4015	218.0517	-409.6347
Story4	DSIbS5	Combination	Bottom	617.8806	3.116E-05	7.0615	57.4673	2662.3293	-5020.5327
Story4	DSIbS6	Combination	Top	39.7052	0	0.4186	3.4015	171.7251	-322.6049
Story4	DSIbS6	Combination	Bottom	507.4541	4.099E-05	-7.0014	-56.7525	2204.6854	-4123.3809
Story4	DSIbS7	Combination	Top	37.542	0	-0.4186	-3.4015	162.3693	-305.0291
Story4	DSIbS7	Combination	Bottom	457.1185	2.085E-05	7.0529	57.3652	1967.0415	-3714.2594
Story4	DSIbS8	Combination	Top	26.8307	0	0.4186	3.4015	116.0427	-217.9992
Story4	DSIbS8	Combination	Bottom	346.692	3.069E-05	-7.01	-56.8546	1509.3976	-2817.1075
Story4	DSIbS9	Combination	Top	48.3814	-23.9123	0	103.4205	209.2494	-393.0985
Story4	DSIbS9	Combination	Bottom	600.7228	-26.1237	0.005	113.1433	2598.1241	-4895.1864
Story4	DSIbS10	Combination	Top	48.3814	23.9123	0	-103.4205	209.2494	-393.0985
Story4	DSIbS10	Combination	Bottom	600.7962	26.1238	0.0498	-112.4498	2598.3931	-4867.7508
Story4	DSIbS11	Combination	Top	48.3814	0	-23.9123	-194.2871	209.2494	-393.0985
Story4	DSIbS11	Combination	Bottom	601.0105	-0.0001	-2.4558	-20.4555	2591.8313	-4882.4321

Table 5.3 - Story Forces (continued)

Story	Output Case	Case Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
Story4	DSlbS12	Combination	Top	48.3814	0	23.9123	194.2871	209.2494	-393.0985
Story4	DSlbS12	Combination	Bottom	600.5085	0.0002	2.5107	21.1491	2604.6859	-4880.5052
Story4	DSlbS13	Combination	Top	45.0609	-27.8976	0	120.6573	194.8884	-366.1198
Story4	DSlbS13	Combination	Bottom	562.6245	-30.4776	0.0039	131.9534	2433.3504	-4587.9609
Story4	DSlbS14	Combination	Top	45.0609	27.8976	0	-120.6573	194.8884	-366.1198
Story4	DSlbS14	Combination	Bottom	562.7102	30.4777	0.0562	-131.2386	2433.6643	-4555.9527
Story4	DSlbS15	Combination	Top	45.0609	0	-27.8976	-226.6683	194.8884	-366.1198
Story4	DSlbS15	Combination	Bottom	562.9602	-0.0002	-2.8671	-23.9119	2426.0088	-4573.0809
Story4	DSlbS16	Combination	Top	45.0609	0	27.8976	226.6683	194.8884	-366.1198
Story4	DSlbS16	Combination	Bottom	562.3745	0.0002	2.9272	24.6267	2441.0059	-4570.8328
Story4	DSlbS17	Combination	Top	32.1864	-27.8976	0	120.6573	139.206	-261.5142
Story4	DSlbS17	Combination	Bottom	401.8624	-30.4777	-0.0047	131.8513	1738.0626	-3281.6875
Story4	DSlbS18	Combination	Top	32.1864	27.8976	0	-120.6573	139.206	-261.5142
Story4	DSlbS18	Combination	Bottom	401.9481	30.4777	0.0476	-131.3407	1738.3765	-3249.6794
Story4	DSlbS19	Combination	Top	32.1864	0	-27.8976	-226.6683	139.206	-261.5142
Story4	DSlbS19	Combination	Bottom	402.1981	-0.0002	-2.8756	-24.0141	1730.721	-3266.8075
Story4	DSlbS20	Combination	Top	32.1864	0	27.8976	226.6683	139.206	-261.5142
Story4	DSlbS20	Combination	Bottom	401.6124	0.0002	2.9186	24.5246	1745.7181	-3264.5594
Story3	Dead	LinStatic	Top	405.2504	0.0005	0.0227	0.256	1752.6866	-3292.8595
Story3	Dead	LinStatic	Bottom	540.5108	0	4.947E-06	0.0001	2337.709	-4391.6501
Story3	Live	LinStatic	Top	99.5474	0.0001	0.0016	0.0337	430.5413	-808.8669
Story3	Live	LinStatic	Bottom	133.1529	0	1.28E-06	2.079E-05	575.8863	-1081.8672
Story3	Wind	LinStatic	Top	39.3752	-0.0001	5.0237	40.8042	163.1715	-319.9009
Story3	Wind	LinStatic	Bottom	49.4441	0	-3.865	-31.4028	194.1067	-401.7332
Story3	EQX	LinStatic	Top	-0.0287	-65.3596	-0.0183	282.5258	-0.1041	-11.5557
Story3	EQX	LinStatic	Bottom	0	-63.6011	0	275.0746	0	-66.0976
Story3	EQY	LinStatic	Top	0.2047	-0.003	-41.4282	-337.0844	16.2959	-0.7807
Story3	EQY	LinStatic	Bottom	-2.915E-05	0	-63.6012	-516.7604	66.0974	0.0005
Story3	Comb1	Combination	Top	686.1014	0.0009	0.0321	0.3868	2967.3586	-5574.9044
Story3	Comb1	Combination	Bottom	915.7086	0	8.479E-06	0.0001	3960.4397	-7440.1327
Story3	Comb2	Combination	Top	599.2813	0.0006	6.456	52.5388	2582.7464	-4869.3966
Story3	Comb2	Combination	Bottom	795.8553	0	-4.9471	-40.1955	3416.8083	-6466.3247
Story3	Comb3	Combination	Top	514.576	0.0007	0.0241	0.2901	2225.5189	-4181.1783
Story3	Comb3	Combination	Bottom	686.7815	0	6.359E-06	0.0001	2970.3298	-5580.0996
Story3	Comb4	Combination	Top	415.9131	0.0004	6.5513	53.276	1789.5409	-3379.4447
Story3	Comb4	Combination	Bottom	550.737	0	-5.0244	-40.8236	2356.2768	-4474.7383
Story3	Comb5	Combination	Top	364.7254	0.0005	0.0204	0.2304	1577.4179	-2963.5735
Story3	Comb5	Combination	Bottom	486.4597	0	4.453E-06	0.0001	2103.9381	-3952.4851
Story3	DStIS1	Combination	Top	567.3506	0.0008	0.0318	0.3585	2453.7612	-4610.0032
Story3	DStIS1	Combination	Bottom	756.7151	0	6.926E-06	0.0001	3272.7926	-6148.3102
Story3	DStIS2	Combination	Top	726.6264	0.001	0.0343	0.4124	3142.6272	-5904.1903
Story3	DStIS2	Combination	Bottom	969.7597	0	8.974E-06	0.0001	4194.2106	-7879.2978
Story3	DStIS3	Combination	Top	653.0076	0.0007	6.0576	49.3128	2815.6792	-5305.9527
Story3	DStIS3	Combination	Bottom	867.7293	0	-4.6379	-37.6832	3729.2423	-7050.3007
Story3	DStIS4	Combination	Top	558.5072	0.0009	-5.9993	-48.6174	2424.0676	-4538.1906
Story3	DStIS4	Combination	Bottom	749.0635	0	4.638	37.6835	3263.3863	-6086.141
Story3	DStIS5	Combination	Top	622.4758	0.0006	7.065	57.4844	2682.2013	-5057.8645
Story3	DStIS5	Combination	Bottom	825.9368	0	-5.4109	-43.9638	3544.542	-6710.7367
Story3	DStIS6	Combination	Top	512.2254	0.0009	-7.0015	-56.7675	2225.3211	-4162.142

Table 5.3 - Story Forces (continued)

Story	Output Case	Case Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
Story2	DStIS3	Combination	Bottom	-356.3599	0	-4.9968	-40.5988	-1521.4971	2870.9445
Story2	DStIS4	Combination	Top	-503.469	0	4.9968	40.599	-2147.8437	4064.6574
Story2	DStIS4	Combination	Bottom	-356.4907	0	4.9968	40.599	-1526.1536	2870.4588
Story2	DStIS5	Combination	Top	-586.6843	0	-5.8296	-47.3653	-2530.6673	4739.1304
Story2	DStIS5	Combination	Bottom	-415.2096	0	-5.8296	-47.3653	-1772.7165	3345.8986
Story2	DStIS6	Combination	Top	-586.8369	0	5.8296	47.3655	-2503.4543	4738.5636
Story2	DStIS6	Combination	Bottom	-415.3623	0	5.8296	47.3655	-1778.1492	3345.3319
Story2	DStIS7	Combination	Top	-419.0384	0	-5.8296	-47.3653	-1811.5071	3385.1741
Story2	DStIS7	Combination	Bottom	-296.5565	0	-5.8296	-47.3653	-1265.45	2390.0085
Story2	DStIS8	Combination	Top	-419.191	0	5.8296	47.3655	-1784.2941	3384.6073
Story2	DStIS8	Combination	Bottom	-296.7091	0	5.8296	47.3655	-1270.8826	2389.4418
Story2	DStIS9	Combination	Top	-503.3304	-110.6968	7.774E-06	478.7636	-2159.3002	4382.0695
Story2	DStIS9	Combination	Bottom	-356.3521	-110.6968	7.774E-06	478.7636	-1523.6191	2877.9199
Story2	DStIS10	Combination	Top	-503.4768	110.6968	7.169E-06	-478.7634	-2159.7127	3747.7311
Story2	DStIS10	Combination	Bottom	-356.4985	110.6968	7.169E-06	-478.7634	-1524.0316	2863.4834
Story2	DStIS11	Combination	Top	-498.431	0	-110.6969	-899.4131	-2423.708	4048.676
Story2	DStIS11	Combination	Bottom	-351.4527	0	-110.6969	-899.4131	-1478.0756	2854.4773
Story2	DStIS12	Combination	Top	-508.3762	0	110.6969	899.4134	-1895.3049	4081.1246
Story2	DStIS12	Combination	Bottom	-361.3979	0	110.6969	899.4134	-1569.575	2886.926
Story2	DStIS13	Combination	Top	-586.6752	-129.1462	7.279E-06	558.5575	-2516.8202	5108.8777
Story2	DStIS13	Combination	Bottom	-415.2005	-129.1462	7.279E-06	558.5575	-1775.1922	3354.0366
Story2	DStIS14	Combination	Top	-586.8461	129.1462	6.572E-06	-558.5573	-2517.3015	4368.8163
Story2	DStIS14	Combination	Bottom	-415.3714	129.1462	6.572E-06	-558.5573	-1775.6735	3337.1939
Story2	DStIS15	Combination	Top	-580.9593	0	-129.1464	-1049.3153	-2825.296	4719.9186
Story2	DStIS15	Combination	Bottom	-409.4846	0	-129.1464	-1049.3153	-1722.0582	3326.6869
Story2	DStIS16	Combination	Top	-592.562	0	129.1464	1049.3156	-2208.8256	4757.7754
Story2	DStIS16	Combination	Bottom	-421.0873	0	129.1464	1049.3156	-1828.8075	3364.5436
Story2	DStIS17	Combination	Top	-419.0293	-129.1462	5.3E-06	558.5575	-1797.6599	3754.9214
Story2	DStIS17	Combination	Bottom	-296.5474	-129.1462	5.3E-06	558.5575	-1267.9257	2398.1465
Story2	DStIS18	Combination	Top	-419.2002	129.1462	4.593E-06	-558.5573	-1798.1413	3014.86
Story2	DStIS18	Combination	Bottom	-296.7182	129.1462	4.593E-06	-558.5573	-1268.407	2381.3038
Story2	DStIS19	Combination	Top	-413.3134	0	-129.1464	-1049.3154	-2106.1358	3365.9623
Story2	DStIS19	Combination	Bottom	-290.8315	0	-129.1464	-1049.3154	-1214.7917	2370.7968
Story2	DStIS20	Combination	Top	-424.9161	0	129.1464	1049.3155	-1489.6654	3403.8191
Story2	DStIS20	Combination	Bottom	-302.4342	0	129.1464	1049.3155	-1321.541	2408.6535
Story2	DStID1	Combination	Top	-419.1147	0	4.947E-06	0.0001	-1797.9006	3384.8907
Story2	DStID1	Combination	Bottom	-296.6328	0	4.947E-06	0.0001	-1268.1663	2389.7252
Story2	DStID2	Combination	Top	-419.503	0	6.226E-06	0.0001	-1799.5887	3387.4169
Story2	DStID2	Combination	Bottom	-297.0211	0	6.226E-06	0.0001	-1269.8544	2392.2514
Story2	DSIbS1	Combination	Top	-586.7606	0	6.925E-06	0.0001	-2517.0608	4738.847
Story2	DSIbS1	Combination	Bottom	-415.2859	0	6.925E-06	0.0001	-1775.4329	3345.6152
Story2	DSIbS2	Combination	Top	-587.3818	0	8.973E-06	0.0001	-2519.7618	4742.8889
Story2	DSIbS2	Combination	Bottom	-415.9072	0	8.973E-06	0.0001	-1778.1338	3349.6572
Story2	DSIbS3	Combination	Top	-503.3382	0	-4.9968	-40.5988	-2171.1692	4065.1432
Story2	DSIbS3	Combination	Bottom	-356.3599	0	-4.9968	-40.5988	-1521.4971	2870.9445
Story2	DSIbS4	Combination	Top	-503.469	0	4.9968	40.599	-2147.8437	4064.6574
Story2	DSIbS4	Combination	Bottom	-356.4907	0	4.9968	40.599	-1526.1536	2870.4588
Story2	DSIbS5	Combination	Top	-586.6843	0	-5.8296	-47.3653	-2530.6673	4739.1304
Story2	DSIbS5	Combination	Bottom	-415.2096	0	-5.8296	-47.3653	-1772.7165	3345.8986

Table 5.3 - Story Forces (continued)

Story	Output Case	Case Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
Story1	DSIbS3	Combination	Top	688.4025	0	-4.9968	-40.5988	2963.0645	-5462.7374
Story1	DSIbS3	Combination	Bottom	868.3759	0	-4.9968	-40.5988	3757.4392	-6866.5301
Story1	DSIbS4	Combination	Top	688.2717	0	4.9968	40.599	2958.4079	-5463.2232
Story1	DSIbS4	Combination	Bottom	868.2451	0	4.9968	40.599	3720.8033	-6867.0159
Story1	DSIbS5	Combination	Top	803.6798	0	-5.8296	-47.3653	3459.2719	-6376.7303
Story1	DSIbS5	Combination	Bottom	1013.6488	0	-5.8296	-47.3653	4386.0425	-8014.4885
Story1	DSIbS6	Combination	Top	803.5272	0	5.8296	47.3655	3453.8393	-6377.2971
Story1	DSIbS6	Combination	Bottom	1013.4962	0	5.8296	47.3655	4343.3005	-8015.0552
Story1	DSIbS7	Combination	Top	574.0788	0	-5.8296	-47.3653	2471.6846	-4554.7264
Story1	DSIbS7	Combination	Bottom	724.0567	0	-5.8296	-47.3653	3138.9935	-5724.5537
Story1	DSIbS8	Combination	Top	573.9262	0	5.8296	47.3655	2466.252	-4555.2932
Story1	DSIbS8	Combination	Bottom	723.904	0	5.8296	47.3655	3096.2515	-5725.1204
Story1	DSIbS9	Combination	Top	688.4103	-123.2548	7.774E-06	531.9384	2960.9425	-5455.762
Story1	DSIbS9	Combination	Bottom	868.3838	-123.2548	7.774E-06	531.9384	3739.3275	-7253.9699
Story1	DSIbS10	Combination	Top	688.2639	123.2548	7.169E-06	-531.9381	2960.5299	-5470.1986
Story1	DSIbS10	Combination	Bottom	868.2373	123.2548	7.169E-06	-531.9381	3738.915	-6479.5761
Story1	DSIbS11	Combination	Top	693.3097	0	-123.2549	-995.2133	3006.4859	-5479.2046
Story1	DSIbS11	Combination	Bottom	873.2831	0	-123.2549	-995.2133	4179.2865	-6882.9973
Story1	DSIbS12	Combination	Top	683.3645	0	123.2549	995.2135	2914.9865	-5446.756
Story1	DSIbS12	Combination	Bottom	863.3379	0	123.2549	995.2135	3298.9559	-6850.5487
Story1	DSIbS13	Combination	Top	803.6889	-143.7972	7.279E-06	620.5947	3456.7963	-6368.5924
Story1	DSIbS13	Combination	Bottom	1013.6579	-143.7972	7.279E-06	620.5947	4364.9121	-8466.5016
Story1	DSIbS14	Combination	Top	803.5181	143.7972	6.572E-06	-620.5945	3456.3149	-6385.435
Story1	DSIbS14	Combination	Bottom	1013.4871	143.7972	6.572E-06	-620.5945	4364.4308	-7563.0421
Story1	DSIbS15	Combination	Top	809.4049	0	-143.7974	-1161.0822	3509.9302	-6395.9421
Story1	DSIbS15	Combination	Bottom	1019.3739	0	-143.7974	-1161.0822	4878.1977	-8033.7002
Story1	DSIbS16	Combination	Top	797.8022	0	143.7974	1161.0824	3403.181	-6358.0853
Story1	DSIbS16	Combination	Bottom	1007.7712	0	143.7974	1161.0824	3851.1453	-7995.8435
Story1	DSIbS17	Combination	Top	574.0879	-143.7972	5.3E-06	620.5947	2469.209	-4546.5885
Story1	DSIbS17	Combination	Bottom	724.0658	-143.7972	5.3E-06	620.5947	3117.8632	-6176.5668
Story1	DSIbS18	Combination	Top	573.9171	143.7972	4.593E-06	-620.5945	2468.7276	-4563.4311
Story1	DSIbS18	Combination	Bottom	723.8949	143.7972	4.593E-06	-620.5945	3117.3818	-5273.1073
Story1	DSIbS19	Combination	Top	579.8039	0	-143.7974	-1161.0822	2522.3429	-4573.9382
Story1	DSIbS19	Combination	Bottom	729.7817	0	-143.7974	-1161.0822	3631.1487	-5743.7654
Story1	DSIbS20	Combination	Top	568.2012	0	143.7974	1161.0824	2415.5937	-4536.0814
Story1	DSIbS20	Combination	Bottom	718.179	0	143.7974	1161.0824	2604.0963	-5705.9087

5.3 Point Results

Table 5.4 - Joint Reactions

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	1	7	Dead	LinStatic	0	0	153.3293	0	0	0
Story2	1	7	Live	LinStatic	0	0	23.9996	0	0	0
Story2	1	7	Wind	LinStatic	0	0	9.4828	0	0	0
Story2	1	7	EQX	LinStatic	0	0	-13.2315	0	0	0
Story2	1	7	EQY	LinStatic	0	0	18.2697	0	0	0
Story2	1	7	Comb1	Combination	0	0	237.7275	0	0	0
Story2	1	7	Comb2	Combination	0	0	202.32	0	0	0
Story2	1	7	Comb3	Combination	0	0	178.2957	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	1	7	Comb4	Combination	0	0	150.324	0	0	0
Story2	1	7	Comb5	Combination	0	0	137.9964	0	0	0
Story2	1	7	DStIS1	Combination	0	0	214.6611	0	0	0
Story2	1	7	DStIS2	Combination	0	0	253.0605	0	0	0
Story2	1	7	DStIS3	Combination	0	0	224.1741	0	0	0
Story2	1	7	DStIS4	Combination	0	0	201.4154	0	0	0
Story2	1	7	DStIS5	Combination	0	0	227.937	0	0	0
Story2	1	7	DStIS6	Combination	0	0	201.3852	0	0	0
Story2	1	7	DStIS7	Combination	0	0	166.6052	0	0	0
Story2	1	7	DStIS8	Combination	0	0	140.0534	0	0	0
Story2	1	7	DStIS9	Combination	0	0	196.917	0	0	0
Story2	1	7	DStIS10	Combination	0	0	228.6725	0	0	0
Story2	1	7	DStIS11	Combination	0	0	234.7184	0	0	0
Story2	1	7	DStIS12	Combination	0	0	190.8711	0	0	0
Story2	1	7	DStIS13	Combination	0	0	196.137	0	0	0
Story2	1	7	DStIS14	Combination	0	0	233.1851	0	0	0
Story2	1	7	DStIS15	Combination	0	0	240.2387	0	0	0
Story2	1	7	DStIS16	Combination	0	0	189.0835	0	0	0
Story2	1	7	DStIS17	Combination	0	0	134.8053	0	0	0
Story2	1	7	DStIS18	Combination	0	0	171.8534	0	0	0
Story2	1	7	DStIS19	Combination	0	0	178.9069	0	0	0
Story2	1	7	DStIS20	Combination	0	0	127.7517	0	0	0
Story2	1	7	DStID1	Combination	0	0	153.3293	0	0	0
Story2	1	7	DStID2	Combination	0	0	177.329	0	0	0
Story2	1	7	DSIbS1	Combination	0	0	214.6611	0	0	0
Story2	1	7	DSIbS2	Combination	0	0	253.0605	0	0	0
Story2	1	7	DSIbS3	Combination	0	0	224.1741	0	0	0
Story2	1	7	DSIbS4	Combination	0	0	201.4154	0	0	0
Story2	1	7	DSIbS5	Combination	0	0	227.937	0	0	0
Story2	1	7	DSIbS6	Combination	0	0	201.3852	0	0	0
Story2	1	7	DSIbS7	Combination	0	0	166.6052	0	0	0
Story2	1	7	DSIbS8	Combination	0	0	140.0534	0	0	0
Story2	1	7	DSIbS9	Combination	0	0	196.917	0	0	0
Story2	1	7	DSIbS10	Combination	0	0	228.6725	0	0	0
Story2	1	7	DSIbS11	Combination	0	0	234.7184	0	0	0
Story2	1	7	DSIbS12	Combination	0	0	190.8711	0	0	0
Story2	1	7	DSIbS13	Combination	0	0	196.137	0	0	0
Story2	1	7	DSIbS14	Combination	0	0	233.1851	0	0	0
Story2	1	7	DSIbS15	Combination	0	0	240.2387	0	0	0
Story2	1	7	DSIbS16	Combination	0	0	189.0835	0	0	0
Story2	1	7	DSIbS17	Combination	0	0	134.8053	0	0	0
Story2	1	7	DSIbS18	Combination	0	0	171.8534	0	0	0
Story2	1	7	DSIbS19	Combination	0	0	178.9069	0	0	0
Story2	1	7	DSIbS20	Combination	0	0	127.7517	0	0	0
Story2	2	8	Dead	LinStatic	0	0	55.2002	0	0	0
Story2	2	8	Live	LinStatic	0	0	2.5196	0	0	0
Story2	2	8	Wind	LinStatic	0	0	0.7114	0	0	0
Story2	2	8	EQX	LinStatic	0	0	-0.1976	0	0	0
Story2	2	8	EQY	LinStatic	0	0	0.0675	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	2	8	Comb1	Combination	0	0	75.7916	0	0	0
Story2	2	8	Comb2	Combination	0	0	61.5439	0	0	0
Story2	2	8	Comb3	Combination	0	0	56.8437	0	0	0
Story2	2	8	Comb4	Combination	0	0	50.6051	0	0	0
Story2	2	8	Comb5	Combination	0	0	49.6802	0	0	0
Story2	2	8	DStIS1	Combination	0	0	77.2803	0	0	0
Story2	2	8	DStIS2	Combination	0	0	81.3116	0	0	0
Story2	2	8	DStIS3	Combination	0	0	70.1175	0	0	0
Story2	2	8	DStIS4	Combination	0	0	68.41	0	0	0
Story2	2	8	DStIS5	Combination	0	0	78.2763	0	0	0
Story2	2	8	DStIS6	Combination	0	0	76.2843	0	0	0
Story2	2	8	DStIS7	Combination	0	0	56.1962	0	0	0
Story2	2	8	DStIS8	Combination	0	0	54.2042	0	0	0
Story2	2	8	DStIS9	Combination	0	0	69.0266	0	0	0
Story2	2	8	DStIS10	Combination	0	0	69.5009	0	0	0
Story2	2	8	DStIS11	Combination	0	0	69.3448	0	0	0
Story2	2	8	DStIS12	Combination	0	0	69.1827	0	0	0
Story2	2	8	DStIS13	Combination	0	0	77.0037	0	0	0
Story2	2	8	DStIS14	Combination	0	0	77.557	0	0	0
Story2	2	8	DStIS15	Combination	0	0	77.3749	0	0	0
Story2	2	8	DStIS16	Combination	0	0	77.1858	0	0	0
Story2	2	8	DStIS17	Combination	0	0	54.9236	0	0	0
Story2	2	8	DStIS18	Combination	0	0	55.4769	0	0	0
Story2	2	8	DStIS19	Combination	0	0	55.2948	0	0	0
Story2	2	8	DStIS20	Combination	0	0	55.1057	0	0	0
Story2	2	8	DStID1	Combination	0	0	55.2002	0	0	0
Story2	2	8	DStID2	Combination	0	0	57.7198	0	0	0
Story2	2	8	DSIbS1	Combination	0	0	77.2803	0	0	0
Story2	2	8	DSIbS2	Combination	0	0	81.3116	0	0	0
Story2	2	8	DSIbS3	Combination	0	0	70.1175	0	0	0
Story2	2	8	DSIbS4	Combination	0	0	68.41	0	0	0
Story2	2	8	DSIbS5	Combination	0	0	78.2763	0	0	0
Story2	2	8	DSIbS6	Combination	0	0	76.2843	0	0	0
Story2	2	8	DSIbS7	Combination	0	0	56.1962	0	0	0
Story2	2	8	DSIbS8	Combination	0	0	54.2042	0	0	0
Story2	2	8	DSIbS9	Combination	0	0	69.0266	0	0	0
Story2	2	8	DSIbS10	Combination	0	0	69.5009	0	0	0
Story2	2	8	DSIbS11	Combination	0	0	69.3448	0	0	0
Story2	2	8	DSIbS12	Combination	0	0	69.1827	0	0	0
Story2	2	8	DSIbS13	Combination	0	0	77.0037	0	0	0
Story2	2	8	DSIbS14	Combination	0	0	77.557	0	0	0
Story2	2	8	DSIbS15	Combination	0	0	77.3749	0	0	0
Story2	2	8	DSIbS16	Combination	0	0	77.1858	0	0	0
Story2	2	8	DSIbS17	Combination	0	0	54.9236	0	0	0
Story2	2	8	DSIbS18	Combination	0	0	55.4769	0	0	0
Story2	2	8	DSIbS19	Combination	0	0	55.2948	0	0	0
Story2	2	8	DSIbS20	Combination	0	0	55.1057	0	0	0
Story2	3	14	Dead	LinStatic	0	0	54.0373	0	0	0
Story2	3	14	Live	LinStatic	0	0	2.6554	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	3	14	Wind	LinStatic	0	0	0.7468	0	0	0
Story2	3	14	EQX	LinStatic	0	0	-0.1702	0	0	0
Story2	3	14	EQY	LinStatic	0	0	0.0845	0	0	0
Story2	3	14	Comb1	Combination	0	0	74.4972	0	0	0
Story2	3	14	Comb2	Combination	0	0	60.5537	0	0	0
Story2	3	14	Comb3	Combination	0	0	55.8729	0	0	0
Story2	3	14	Comb4	Combination	0	0	49.6045	0	0	0
Story2	3	14	Comb5	Combination	0	0	48.6336	0	0	0
Story2	3	14	DStIS1	Combination	0	0	75.6523	0	0	0
Story2	3	14	DStIS2	Combination	0	0	79.9009	0	0	0
Story2	3	14	DStIS3	Combination	0	0	68.9275	0	0	0
Story2	3	14	DStIS4	Combination	0	0	67.1351	0	0	0
Story2	3	14	DStIS5	Combination	0	0	76.6978	0	0	0
Story2	3	14	DStIS6	Combination	0	0	74.6067	0	0	0
Story2	3	14	DStIS7	Combination	0	0	55.0829	0	0	0
Story2	3	14	DStIS8	Combination	0	0	52.9917	0	0	0
Story2	3	14	DStIS9	Combination	0	0	67.8271	0	0	0
Story2	3	14	DStIS10	Combination	0	0	68.2355	0	0	0
Story2	3	14	DStIS11	Combination	0	0	68.1327	0	0	0
Story2	3	14	DStIS12	Combination	0	0	67.9298	0	0	0
Story2	3	14	DStIS13	Combination	0	0	75.414	0	0	0
Story2	3	14	DStIS14	Combination	0	0	75.8905	0	0	0
Story2	3	14	DStIS15	Combination	0	0	75.7706	0	0	0
Story2	3	14	DStIS16	Combination	0	0	75.5339	0	0	0
Story2	3	14	DStIS17	Combination	0	0	53.7991	0	0	0
Story2	3	14	DStIS18	Combination	0	0	54.2756	0	0	0
Story2	3	14	DStIS19	Combination	0	0	54.1557	0	0	0
Story2	3	14	DStIS20	Combination	0	0	53.919	0	0	0
Story2	3	14	DStID1	Combination	0	0	54.0373	0	0	0
Story2	3	14	DStID2	Combination	0	0	56.6927	0	0	0
Story2	3	14	DSIbS1	Combination	0	0	75.6523	0	0	0
Story2	3	14	DSIbS2	Combination	0	0	79.9009	0	0	0
Story2	3	14	DSIbS3	Combination	0	0	68.9275	0	0	0
Story2	3	14	DSIbS4	Combination	0	0	67.1351	0	0	0
Story2	3	14	DSIbS5	Combination	0	0	76.6978	0	0	0
Story2	3	14	DSIbS6	Combination	0	0	74.6067	0	0	0
Story2	3	14	DSIbS7	Combination	0	0	55.0829	0	0	0
Story2	3	14	DSIbS8	Combination	0	0	52.9917	0	0	0
Story2	3	14	DSIbS9	Combination	0	0	67.8271	0	0	0
Story2	3	14	DSIbS10	Combination	0	0	68.2355	0	0	0
Story2	3	14	DSIbS11	Combination	0	0	68.1327	0	0	0
Story2	3	14	DSIbS12	Combination	0	0	67.9298	0	0	0
Story2	3	14	DSIbS13	Combination	0	0	75.414	0	0	0
Story2	3	14	DSIbS14	Combination	0	0	75.8905	0	0	0
Story2	3	14	DSIbS15	Combination	0	0	75.7706	0	0	0
Story2	3	14	DSIbS16	Combination	0	0	75.5339	0	0	0
Story2	3	14	DSIbS17	Combination	0	0	53.7991	0	0	0
Story2	3	14	DSIbS18	Combination	0	0	54.2756	0	0	0
Story2	3	14	DSIbS19	Combination	0	0	54.1557	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	3	14	DSIbS20	Combination	0	0	53.919	0	0	0
Story2	4	19	Dead	LinStatic	0	0	54.0336	0	0	0
Story2	4	19	Live	LinStatic	0	0	2.6543	0	0	0
Story2	4	19	Wind	LinStatic	0	0	0.7472	0	0	0
Story2	4	19	EQX	LinStatic	0	0	0.1633	0	0	0
Story2	4	19	EQY	LinStatic	0	0	0.1015	0	0	0
Story2	4	19	Comb1	Combination	0	0	74.4905	0	0	0
Story2	4	19	Comb2	Combination	0	0	60.5488	0	0	0
Story2	4	19	Comb3	Combination	0	0	55.8679	0	0	0
Story2	4	19	Comb4	Combination	0	0	49.6016	0	0	0
Story2	4	19	Comb5	Combination	0	0	48.6302	0	0	0
Story2	4	19	DStIS1	Combination	0	0	75.6471	0	0	0
Story2	4	19	DStIS2	Combination	0	0	79.8939	0	0	0
Story2	4	19	DStIS3	Combination	0	0	68.9221	0	0	0
Story2	4	19	DStIS4	Combination	0	0	67.1289	0	0	0
Story2	4	19	DStIS5	Combination	0	0	76.6931	0	0	0
Story2	4	19	DStIS6	Combination	0	0	74.601	0	0	0
Story2	4	19	DStIS7	Combination	0	0	55.0796	0	0	0
Story2	4	19	DStIS8	Combination	0	0	52.9876	0	0	0
Story2	4	19	DStIS9	Combination	0	0	68.2214	0	0	0
Story2	4	19	DStIS10	Combination	0	0	67.8295	0	0	0
Story2	4	19	DStIS11	Combination	0	0	68.1472	0	0	0
Story2	4	19	DStIS12	Combination	0	0	67.9037	0	0	0
Story2	4	19	DStIS13	Combination	0	0	75.8757	0	0	0
Story2	4	19	DStIS14	Combination	0	0	75.4185	0	0	0
Story2	4	19	DStIS15	Combination	0	0	75.7891	0	0	0
Story2	4	19	DStIS16	Combination	0	0	75.505	0	0	0
Story2	4	19	DStIS17	Combination	0	0	54.2622	0	0	0
Story2	4	19	DStIS18	Combination	0	0	53.805	0	0	0
Story2	4	19	DStIS19	Combination	0	0	54.1757	0	0	0
Story2	4	19	DStIS20	Combination	0	0	53.8915	0	0	0
Story2	4	19	DStID1	Combination	0	0	54.0336	0	0	0
Story2	4	19	DStID2	Combination	0	0	56.6879	0	0	0
Story2	4	19	DSIbS1	Combination	0	0	75.6471	0	0	0
Story2	4	19	DSIbS2	Combination	0	0	79.8939	0	0	0
Story2	4	19	DSIbS3	Combination	0	0	68.9221	0	0	0
Story2	4	19	DSIbS4	Combination	0	0	67.1289	0	0	0
Story2	4	19	DSIbS5	Combination	0	0	76.6931	0	0	0
Story2	4	19	DSIbS6	Combination	0	0	74.601	0	0	0
Story2	4	19	DSIbS7	Combination	0	0	55.0796	0	0	0
Story2	4	19	DSIbS8	Combination	0	0	52.9876	0	0	0
Story2	4	19	DSIbS9	Combination	0	0	68.2214	0	0	0
Story2	4	19	DSIbS10	Combination	0	0	67.8295	0	0	0
Story2	4	19	DSIbS11	Combination	0	0	68.1472	0	0	0
Story2	4	19	DSIbS12	Combination	0	0	67.9037	0	0	0
Story2	4	19	DSIbS13	Combination	0	0	75.8757	0	0	0
Story2	4	19	DSIbS14	Combination	0	0	75.4185	0	0	0
Story2	4	19	DSIbS15	Combination	0	0	75.7891	0	0	0
Story2	4	19	DSIbS16	Combination	0	0	75.505	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	4	19	DSIbS17	Combination	0	0	54.2622	0	0	0
Story2	4	19	DSIbS18	Combination	0	0	53.805	0	0	0
Story2	4	19	DSIbS19	Combination	0	0	54.1757	0	0	0
Story2	4	19	DSIbS20	Combination	0	0	53.8915	0	0	0
Story2	5	24	Dead	LinStatic	0	0	55.1769	0	0	0
Story2	5	24	Live	LinStatic	0	0	2.5165	0	0	0
Story2	5	24	Wind	LinStatic	0	0	0.7116	0	0	0
Story2	5	24	EQX	LinStatic	0	0	-0.0473	0	0	0
Story2	5	24	EQY	LinStatic	0	0	0.102	0	0	0
Story2	5	24	Comb1	Combination	0	0	75.7563	0	0	0
Story2	5	24	Comb2	Combination	0	0	61.5158	0	0	0
Story2	5	24	Comb3	Combination	0	0	56.8172	0	0	0
Story2	5	24	Comb4	Combination	0	0	50.5842	0	0	0
Story2	5	24	Comb5	Combination	0	0	49.6592	0	0	0
Story2	5	24	DStIS1	Combination	0	0	77.2476	0	0	0
Story2	5	24	DStIS2	Combination	0	0	81.274	0	0	0
Story2	5	24	DStIS3	Combination	0	0	70.0859	0	0	0
Story2	5	24	DStIS4	Combination	0	0	68.3781	0	0	0
Story2	5	24	DStIS5	Combination	0	0	78.2438	0	0	0
Story2	5	24	DStIS6	Combination	0	0	76.2515	0	0	0
Story2	5	24	DStIS7	Combination	0	0	56.1731	0	0	0
Story2	5	24	DStIS8	Combination	0	0	54.1807	0	0	0
Story2	5	24	DStIS9	Combination	0	0	69.1752	0	0	0
Story2	5	24	DStIS10	Combination	0	0	69.2888	0	0	0
Story2	5	24	DStIS11	Combination	0	0	69.3544	0	0	0
Story2	5	24	DStIS12	Combination	0	0	69.1097	0	0	0
Story2	5	24	DStIS13	Combination	0	0	77.1813	0	0	0
Story2	5	24	DStIS14	Combination	0	0	77.3139	0	0	0
Story2	5	24	DStIS15	Combination	0	0	77.3904	0	0	0
Story2	5	24	DStIS16	Combination	0	0	77.1049	0	0	0
Story2	5	24	DStIS17	Combination	0	0	55.1106	0	0	0
Story2	5	24	DStIS18	Combination	0	0	55.2432	0	0	0
Story2	5	24	DStIS19	Combination	0	0	55.3196	0	0	0
Story2	5	24	DStIS20	Combination	0	0	55.0341	0	0	0
Story2	5	24	DStID1	Combination	0	0	55.1769	0	0	0
Story2	5	24	DStID2	Combination	0	0	57.6933	0	0	0
Story2	5	24	DSIbS1	Combination	0	0	77.2476	0	0	0
Story2	5	24	DSIbS2	Combination	0	0	81.274	0	0	0
Story2	5	24	DSIbS3	Combination	0	0	70.0859	0	0	0
Story2	5	24	DSIbS4	Combination	0	0	68.3781	0	0	0
Story2	5	24	DSIbS5	Combination	0	0	78.2438	0	0	0
Story2	5	24	DSIbS6	Combination	0	0	76.2515	0	0	0
Story2	5	24	DSIbS7	Combination	0	0	56.1731	0	0	0
Story2	5	24	DSIbS8	Combination	0	0	54.1807	0	0	0
Story2	5	24	DSIbS9	Combination	0	0	69.1752	0	0	0
Story2	5	24	DSIbS10	Combination	0	0	69.2888	0	0	0
Story2	5	24	DSIbS11	Combination	0	0	69.3544	0	0	0
Story2	5	24	DSIbS12	Combination	0	0	69.1097	0	0	0
Story2	5	24	DSIbS13	Combination	0	0	77.1813	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	5	24	DSlbS14	Combination	0	0	77.3139	0	0	0
Story2	5	24	DSlbS15	Combination	0	0	77.3904	0	0	0
Story2	5	24	DSlbS16	Combination	0	0	77.1049	0	0	0
Story2	5	24	DSlbS17	Combination	0	0	55.1106	0	0	0
Story2	5	24	DSlbS18	Combination	0	0	55.2432	0	0	0
Story2	5	24	DSlbS19	Combination	0	0	55.3196	0	0	0
Story2	5	24	DSlbS20	Combination	0	0	55.0341	0	0	0
Story2	6	29	Dead	LinStatic	0	0	153.221	0	0	0
Story2	6	29	Live	LinStatic	0	0	23.9808	0	0	0
Story2	6	29	Wind	LinStatic	0	0	9.4257	0	0	0
Story2	6	29	EQX	LinStatic	0	0	12.545	0	0	0
Story2	6	29	EQY	LinStatic	0	0	17.252	0	0	0
Story2	6	29	Comb1	Combination	0	0	237.5565	0	0	0
Story2	6	29	Comb2	Combination	0	0	202.1102	0	0	0
Story2	6	29	Comb3	Combination	0	0	178.1674	0	0	0
Story2	6	29	Comb4	Combination	0	0	150.1523	0	0	0
Story2	6	29	Comb5	Combination	0	0	137.8989	0	0	0
Story2	6	29	DStIS1	Combination	0	0	214.5094	0	0	0
Story2	6	29	DStIS2	Combination	0	0	252.8786	0	0	0
Story2	6	29	DStIS3	Combination	0	0	223.953	0	0	0
Story2	6	29	DStIS4	Combination	0	0	201.3312	0	0	0
Story2	6	29	DStIS5	Combination	0	0	227.7054	0	0	0
Story2	6	29	DStIS6	Combination	0	0	201.3133	0	0	0
Story2	6	29	DStIS7	Combination	0	0	166.417	0	0	0
Story2	6	29	DStIS8	Combination	0	0	140.025	0	0	0
Story2	6	29	DStIS9	Combination	0	0	227.6961	0	0	0
Story2	6	29	DStIS10	Combination	0	0	197.5881	0	0	0
Story2	6	29	DStIS11	Combination	0	0	233.3446	0	0	0
Story2	6	29	DStIS12	Combination	0	0	191.9396	0	0	0
Story2	6	29	DStIS13	Combination	0	0	232.0723	0	0	0
Story2	6	29	DStIS14	Combination	0	0	196.9464	0	0	0
Story2	6	29	DStIS15	Combination	0	0	238.6622	0	0	0
Story2	6	29	DStIS16	Combination	0	0	190.3565	0	0	0
Story2	6	29	DStIS17	Combination	0	0	170.7839	0	0	0
Story2	6	29	DStIS18	Combination	0	0	135.658	0	0	0
Story2	6	29	DStIS19	Combination	0	0	177.3739	0	0	0
Story2	6	29	DStIS20	Combination	0	0	129.0681	0	0	0
Story2	6	29	DStID1	Combination	0	0	153.221	0	0	0
Story2	6	29	DStID2	Combination	0	0	177.2018	0	0	0
Story2	6	29	DSlbS1	Combination	0	0	214.5094	0	0	0
Story2	6	29	DSlbS2	Combination	0	0	252.8786	0	0	0
Story2	6	29	DSlbS3	Combination	0	0	223.953	0	0	0
Story2	6	29	DSlbS4	Combination	0	0	201.3312	0	0	0
Story2	6	29	DSlbS5	Combination	0	0	227.7054	0	0	0
Story2	6	29	DSlbS6	Combination	0	0	201.3133	0	0	0
Story2	6	29	DSlbS7	Combination	0	0	166.417	0	0	0
Story2	6	29	DSlbS8	Combination	0	0	140.025	0	0	0
Story2	6	29	DSlbS9	Combination	0	0	227.6961	0	0	0
Story2	6	29	DSlbS10	Combination	0	0	197.5881	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	6	29	DSlbS11	Combination	0	0	233.3446	0	0	0
Story2	6	29	DSlbS12	Combination	0	0	191.9396	0	0	0
Story2	6	29	DSlbS13	Combination	0	0	232.0723	0	0	0
Story2	6	29	DSlbS14	Combination	0	0	196.9464	0	0	0
Story2	6	29	DSlbS15	Combination	0	0	238.6622	0	0	0
Story2	6	29	DSlbS16	Combination	0	0	190.3565	0	0	0
Story2	6	29	DSlbS17	Combination	0	0	170.7839	0	0	0
Story2	6	29	DSlbS18	Combination	0	0	135.658	0	0	0
Story2	6	29	DSlbS19	Combination	0	0	177.3739	0	0	0
Story2	6	29	DSlbS20	Combination	0	0	129.0681	0	0	0
Story2	8	39	Dead	LinStatic	0	0	152.986	0	0	0
Story2	8	39	Live	LinStatic	0	0	23.9286	0	0	0
Story2	8	39	Wind	LinStatic	0	0	8.0531	0	0	0
Story2	8	39	EQX	LinStatic	0	0	12.6603	0	0	0
Story2	8	39	EQY	LinStatic	0	0	-16.86	0	0	0
Story2	8	39	Comb1	Combination	0	0	237.1676	0	0	0
Story2	8	39	Comb2	Combination	0	0	200.042	0	0	0
Story2	8	39	Comb3	Combination	0	0	177.8757	0	0	0
Story2	8	39	Comb4	Combination	0	0	148.1564	0	0	0
Story2	8	39	Comb5	Combination	0	0	137.6874	0	0	0
Story2	8	39	DStIS1	Combination	0	0	214.1805	0	0	0
Story2	8	39	DStIS2	Combination	0	0	252.4662	0	0	0
Story2	8	39	DStIS3	Combination	0	0	221.9612	0	0	0
Story2	8	39	DStIS4	Combination	0	0	202.6338	0	0	0
Story2	8	39	DStIS5	Combination	0	0	225.4548	0	0	0
Story2	8	39	DStIS6	Combination	0	0	202.9061	0	0	0
Story2	8	39	DStIS7	Combination	0	0	164.2604	0	0	0
Story2	8	39	DStIS8	Combination	0	0	141.7117	0	0	0
Story2	8	39	DStIS9	Combination	0	0	227.4899	0	0	0
Story2	8	39	DStIS10	Combination	0	0	197.1052	0	0	0
Story2	8	39	DStIS11	Combination	0	0	192.0655	0	0	0
Story2	8	39	DStIS12	Combination	0	0	232.5295	0	0	0
Story2	8	39	DStIS13	Combination	0	0	231.9049	0	0	0
Story2	8	39	DStIS14	Combination	0	0	196.456	0	0	0
Story2	8	39	DStIS15	Combination	0	0	190.5765	0	0	0
Story2	8	39	DStIS16	Combination	0	0	237.7845	0	0	0
Story2	8	39	DStIS17	Combination	0	0	170.7105	0	0	0
Story2	8	39	DStIS18	Combination	0	0	135.2616	0	0	0
Story2	8	39	DStIS19	Combination	0	0	129.382	0	0	0
Story2	8	39	DStIS20	Combination	0	0	176.59	0	0	0
Story2	8	39	DStID1	Combination	0	0	152.986	0	0	0
Story2	8	39	DStID2	Combination	0	0	176.9146	0	0	0
Story2	8	39	DSlbS1	Combination	0	0	214.1805	0	0	0
Story2	8	39	DSlbS2	Combination	0	0	252.4662	0	0	0
Story2	8	39	DSlbS3	Combination	0	0	221.9612	0	0	0
Story2	8	39	DSlbS4	Combination	0	0	202.6338	0	0	0
Story2	8	39	DSlbS5	Combination	0	0	225.4548	0	0	0
Story2	8	39	DSlbS6	Combination	0	0	202.9061	0	0	0
Story2	8	39	DSlbS7	Combination	0	0	164.2604	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	8	39	DSlbS8	Combination	0	0	141.7117	0	0	0
Story2	8	39	DSlbS9	Combination	0	0	227.4899	0	0	0
Story2	8	39	DSlbS10	Combination	0	0	197.1052	0	0	0
Story2	8	39	DSlbS11	Combination	0	0	192.0655	0	0	0
Story2	8	39	DSlbS12	Combination	0	0	232.5295	0	0	0
Story2	8	39	DSlbS13	Combination	0	0	231.9049	0	0	0
Story2	8	39	DSlbS14	Combination	0	0	196.456	0	0	0
Story2	8	39	DSlbS15	Combination	0	0	190.5765	0	0	0
Story2	8	39	DSlbS16	Combination	0	0	237.7845	0	0	0
Story2	8	39	DSlbS17	Combination	0	0	170.7105	0	0	0
Story2	8	39	DSlbS18	Combination	0	0	135.2616	0	0	0
Story2	8	39	DSlbS19	Combination	0	0	129.382	0	0	0
Story2	8	39	DSlbS20	Combination	0	0	176.59	0	0	0
Story2	9	44	Dead	LinStatic	0	0	55.1669	0	0	0
Story2	9	44	Live	LinStatic	0	0	2.5146	0	0	0
Story2	9	44	Wind	LinStatic	0	0	1.379	0	0	0
Story2	9	44	EQX	LinStatic	0	0	-0.04	0	0	0
Story2	9	44	EQY	LinStatic	0	0	-0.0711	0	0	0
Story2	9	44	Comb1	Combination	0	0	75.7404	0	0	0
Story2	9	44	Comb2	Combination	0	0	62.3574	0	0	0
Story2	9	44	Comb3	Combination	0	0	56.8053	0	0	0
Story2	9	44	Comb4	Combination	0	0	51.4429	0	0	0
Story2	9	44	Comb5	Combination	0	0	49.6502	0	0	0
Story2	9	44	DStlS1	Combination	0	0	77.2337	0	0	0
Story2	9	44	DStlS2	Combination	0	0	81.2571	0	0	0
Story2	9	44	DStlS3	Combination	0	0	70.8726	0	0	0
Story2	9	44	DStlS4	Combination	0	0	67.5631	0	0	0
Story2	9	44	DStlS5	Combination	0	0	79.1643	0	0	0
Story2	9	44	DStlS6	Combination	0	0	75.3032	0	0	0
Story2	9	44	DStlS7	Combination	0	0	57.0975	0	0	0
Story2	9	44	DStlS8	Combination	0	0	53.2364	0	0	0
Story2	9	44	DStlS9	Combination	0	0	69.1698	0	0	0
Story2	9	44	DStlS10	Combination	0	0	69.2659	0	0	0
Story2	9	44	DStlS11	Combination	0	0	69.1325	0	0	0
Story2	9	44	DStlS12	Combination	0	0	69.3032	0	0	0
Story2	9	44	DStlS13	Combination	0	0	77.1777	0	0	0
Story2	9	44	DStlS14	Combination	0	0	77.2897	0	0	0
Story2	9	44	DStlS15	Combination	0	0	77.1341	0	0	0
Story2	9	44	DStlS16	Combination	0	0	77.3333	0	0	0
Story2	9	44	DStlS17	Combination	0	0	55.1109	0	0	0
Story2	9	44	DStlS18	Combination	0	0	55.2229	0	0	0
Story2	9	44	DStlS19	Combination	0	0	55.0674	0	0	0
Story2	9	44	DStlS20	Combination	0	0	55.2665	0	0	0
Story2	9	44	DStlD1	Combination	0	0	55.1669	0	0	0
Story2	9	44	DStlD2	Combination	0	0	57.6815	0	0	0
Story2	9	44	DSlbS1	Combination	0	0	77.2337	0	0	0
Story2	9	44	DSlbS2	Combination	0	0	81.2571	0	0	0
Story2	9	44	DSlbS3	Combination	0	0	70.8726	0	0	0
Story2	9	44	DSlbS4	Combination	0	0	67.5631	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	9	44	DSIbS5	Combination	0	0	79.1643	0	0	0
Story2	9	44	DSIbS6	Combination	0	0	75.3032	0	0	0
Story2	9	44	DSIbS7	Combination	0	0	57.0975	0	0	0
Story2	9	44	DSIbS8	Combination	0	0	53.2364	0	0	0
Story2	9	44	DSIbS9	Combination	0	0	69.1698	0	0	0
Story2	9	44	DSIbS10	Combination	0	0	69.2659	0	0	0
Story2	9	44	DSIbS11	Combination	0	0	69.1325	0	0	0
Story2	9	44	DSIbS12	Combination	0	0	69.3032	0	0	0
Story2	9	44	DSIbS13	Combination	0	0	77.1777	0	0	0
Story2	9	44	DSIbS14	Combination	0	0	77.2897	0	0	0
Story2	9	44	DSIbS15	Combination	0	0	77.1341	0	0	0
Story2	9	44	DSIbS16	Combination	0	0	77.3333	0	0	0
Story2	9	44	DSIbS17	Combination	0	0	55.1109	0	0	0
Story2	9	44	DSIbS18	Combination	0	0	55.2229	0	0	0
Story2	9	44	DSIbS19	Combination	0	0	55.0674	0	0	0
Story2	9	44	DSIbS20	Combination	0	0	55.2665	0	0	0
Story2	10	49	Dead	LinStatic	0	0	54.0131	0	0	0
Story2	10	49	Live	LinStatic	0	0	2.6502	0	0	0
Story2	10	49	Wind	LinStatic	0	0	1.4079	0	0	0
Story2	10	49	EQX	LinStatic	0	0	0.1723	0	0	0
Story2	10	49	EQY	LinStatic	0	0	-0.0794	0	0	0
Story2	10	49	Comb1	Combination	0	0	74.4573	0	0	0
Story2	10	49	Comb2	Combination	0	0	61.3679	0	0	0
Story2	10	49	Comb3	Combination	0	0	55.8429	0	0	0
Story2	10	49	Comb4	Combination	0	0	50.442	0	0	0
Story2	10	49	Comb5	Combination	0	0	48.6118	0	0	0
Story2	10	49	DStIS1	Combination	0	0	75.6183	0	0	0
Story2	10	49	DStIS2	Combination	0	0	79.8586	0	0	0
Story2	10	49	DStIS3	Combination	0	0	69.6853	0	0	0
Story2	10	49	DStIS4	Combination	0	0	66.3065	0	0	0
Story2	10	49	DStIS5	Combination	0	0	77.5893	0	0	0
Story2	10	49	DStIS6	Combination	0	0	73.6473	0	0	0
Story2	10	49	DStIS7	Combination	0	0	55.9841	0	0	0
Story2	10	49	DStIS8	Combination	0	0	52.0421	0	0	0
Story2	10	49	DStIS9	Combination	0	0	68.2026	0	0	0
Story2	10	49	DStIS10	Combination	0	0	67.7892	0	0	0
Story2	10	49	DStIS11	Combination	0	0	67.9006	0	0	0
Story2	10	49	DStIS12	Combination	0	0	68.0912	0	0	0
Story2	10	49	DStIS13	Combination	0	0	75.8595	0	0	0
Story2	10	49	DStIS14	Combination	0	0	75.3771	0	0	0
Story2	10	49	DStIS15	Combination	0	0	75.5072	0	0	0
Story2	10	49	DStIS16	Combination	0	0	75.7294	0	0	0
Story2	10	49	DStIS17	Combination	0	0	54.2542	0	0	0
Story2	10	49	DStIS18	Combination	0	0	53.7719	0	0	0
Story2	10	49	DStIS19	Combination	0	0	53.9019	0	0	0
Story2	10	49	DStIS20	Combination	0	0	54.1242	0	0	0
Story2	10	49	DStID1	Combination	0	0	54.0131	0	0	0
Story2	10	49	DStID2	Combination	0	0	56.6632	0	0	0
Story2	10	49	DSIbS1	Combination	0	0	75.6183	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	10	49	DSIbS2	Combination	0	0	79.8586	0	0	0
Story2	10	49	DSIbS3	Combination	0	0	69.6853	0	0	0
Story2	10	49	DSIbS4	Combination	0	0	66.3065	0	0	0
Story2	10	49	DSIbS5	Combination	0	0	77.5893	0	0	0
Story2	10	49	DSIbS6	Combination	0	0	73.6473	0	0	0
Story2	10	49	DSIbS7	Combination	0	0	55.9841	0	0	0
Story2	10	49	DSIbS8	Combination	0	0	52.0421	0	0	0
Story2	10	49	DSIbS9	Combination	0	0	68.2026	0	0	0
Story2	10	49	DSIbS10	Combination	0	0	67.7892	0	0	0
Story2	10	49	DSIbS11	Combination	0	0	67.9006	0	0	0
Story2	10	49	DSIbS12	Combination	0	0	68.0912	0	0	0
Story2	10	49	DSIbS13	Combination	0	0	75.8595	0	0	0
Story2	10	49	DSIbS14	Combination	0	0	75.3771	0	0	0
Story2	10	49	DSIbS15	Combination	0	0	75.5072	0	0	0
Story2	10	49	DSIbS16	Combination	0	0	75.7294	0	0	0
Story2	10	49	DSIbS17	Combination	0	0	54.2542	0	0	0
Story2	10	49	DSIbS18	Combination	0	0	53.7719	0	0	0
Story2	10	49	DSIbS19	Combination	0	0	53.9019	0	0	0
Story2	10	49	DSIbS20	Combination	0	0	54.1242	0	0	0
Story2	11	54	Dead	LinStatic	0	0	54.0657	0	0	0
Story2	11	54	Live	LinStatic	0	0	2.6669	0	0	0
Story2	11	54	Wind	LinStatic	0	0	1.4062	0	0	0
Story2	11	54	EQX	LinStatic	0	0	-0.155	0	0	0
Story2	11	54	EQY	LinStatic	0	0	-0.2683	0	0	0
Story2	11	54	Comb1	Combination	0	0	74.5525	0	0	0
Story2	11	54	Comb2	Combination	0	0	61.4419	0	0	0
Story2	11	54	Comb3	Combination	0	0	55.9143	0	0	0
Story2	11	54	Comb4	Combination	0	0	50.4872	0	0	0
Story2	11	54	Comb5	Combination	0	0	48.6591	0	0	0
Story2	11	54	DStIS1	Combination	0	0	75.6919	0	0	0
Story2	11	54	DStIS2	Combination	0	0	79.959	0	0	0
Story2	11	54	DStIS3	Combination	0	0	69.7665	0	0	0
Story2	11	54	DStIS4	Combination	0	0	66.3917	0	0	0
Story2	11	54	DStIS5	Combination	0	0	77.6606	0	0	0
Story2	11	54	DStIS6	Combination	0	0	73.7233	0	0	0
Story2	11	54	DStIS7	Combination	0	0	56.0343	0	0	0
Story2	11	54	DStIS8	Combination	0	0	52.097	0	0	0
Story2	11	54	DStIS9	Combination	0	0	67.8931	0	0	0
Story2	11	54	DStIS10	Combination	0	0	68.2651	0	0	0
Story2	11	54	DStIS11	Combination	0	0	67.7572	0	0	0
Story2	11	54	DStIS12	Combination	0	0	68.401	0	0	0
Story2	11	54	DStIS13	Combination	0	0	75.4749	0	0	0
Story2	11	54	DStIS14	Combination	0	0	75.909	0	0	0
Story2	11	54	DStIS15	Combination	0	0	75.3164	0	0	0
Story2	11	54	DStIS16	Combination	0	0	76.0675	0	0	0
Story2	11	54	DStIS17	Combination	0	0	53.8487	0	0	0
Story2	11	54	DStIS18	Combination	0	0	54.2827	0	0	0
Story2	11	54	DStIS19	Combination	0	0	53.6901	0	0	0
Story2	11	54	DStIS20	Combination	0	0	54.4412	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	11	54	DStID1	Combination	0	0	54.0657	0	0	0
Story2	11	54	DStID2	Combination	0	0	56.7326	0	0	0
Story2	11	54	DSlbS1	Combination	0	0	75.6919	0	0	0
Story2	11	54	DSlbS2	Combination	0	0	79.959	0	0	0
Story2	11	54	DSlbS3	Combination	0	0	69.7665	0	0	0
Story2	11	54	DSlbS4	Combination	0	0	66.3917	0	0	0
Story2	11	54	DSlbS5	Combination	0	0	77.6606	0	0	0
Story2	11	54	DSlbS6	Combination	0	0	73.7233	0	0	0
Story2	11	54	DSlbS7	Combination	0	0	56.0343	0	0	0
Story2	11	54	DSlbS8	Combination	0	0	52.097	0	0	0
Story2	11	54	DSlbS9	Combination	0	0	67.8931	0	0	0
Story2	11	54	DSlbS10	Combination	0	0	68.2651	0	0	0
Story2	11	54	DSlbS11	Combination	0	0	67.7572	0	0	0
Story2	11	54	DSlbS12	Combination	0	0	68.401	0	0	0
Story2	11	54	DSlbS13	Combination	0	0	75.4749	0	0	0
Story2	11	54	DSlbS14	Combination	0	0	75.909	0	0	0
Story2	11	54	DSlbS15	Combination	0	0	75.3164	0	0	0
Story2	11	54	DSlbS16	Combination	0	0	76.0675	0	0	0
Story2	11	54	DSlbS17	Combination	0	0	53.8487	0	0	0
Story2	11	54	DSlbS18	Combination	0	0	54.2827	0	0	0
Story2	11	54	DSlbS19	Combination	0	0	53.6901	0	0	0
Story2	11	54	DSlbS20	Combination	0	0	54.4412	0	0	0
Story2	12	59	Dead	LinStatic	0	0	59.5826	0	0	0
Story2	12	59	Live	LinStatic	0	0	2.6813	0	0	0
Story2	12	59	Wind	LinStatic	0	0	1.1892	0	0	0
Story2	12	59	EQX	LinStatic	0	0	-0.2259	0	0	0
Story2	12	59	EQY	LinStatic	0	0	-5.8041	0	0	0
Story2	12	59	Comb1	Combination	0	0	81.7474	0	0	0
Story2	12	59	Comb2	Combination	0	0	66.9201	0	0	0
Story2	12	59	Comb3	Combination	0	0	61.3106	0	0	0
Story2	12	59	Comb4	Combination	0	0	55.1703	0	0	0
Story2	12	59	Comb5	Combination	0	0	53.6243	0	0	0
Story2	12	59	DStIS1	Combination	0	0	83.4156	0	0	0
Story2	12	59	DStIS2	Combination	0	0	87.7057	0	0	0
Story2	12	59	DStIS3	Combination	0	0	76.1437	0	0	0
Story2	12	59	DStIS4	Combination	0	0	73.2896	0	0	0
Story2	12	59	DStIS5	Combination	0	0	85.0805	0	0	0
Story2	12	59	DStIS6	Combination	0	0	81.7507	0	0	0
Story2	12	59	DStIS7	Combination	0	0	61.2474	0	0	0
Story2	12	59	DStIS8	Combination	0	0	57.9177	0	0	0
Story2	12	59	DStIS9	Combination	0	0	74.4455	0	0	0
Story2	12	59	DStIS10	Combination	0	0	74.9878	0	0	0
Story2	12	59	DStIS11	Combination	0	0	67.7517	0	0	0
Story2	12	59	DStIS12	Combination	0	0	81.6816	0	0	0
Story2	12	59	DStIS13	Combination	0	0	83.0993	0	0	0
Story2	12	59	DStIS14	Combination	0	0	83.7319	0	0	0
Story2	12	59	DStIS15	Combination	0	0	75.2898	0	0	0
Story2	12	59	DStIS16	Combination	0	0	91.5414	0	0	0
Story2	12	59	DStIS17	Combination	0	0	59.2663	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	12	59	DStIS18	Combination	0	0	59.8989	0	0	0
Story2	12	59	DStIS19	Combination	0	0	51.4568	0	0	0
Story2	12	59	DStIS20	Combination	0	0	67.7083	0	0	0
Story2	12	59	DStID1	Combination	0	0	59.5826	0	0	0
Story2	12	59	DStID2	Combination	0	0	62.2639	0	0	0
Story2	12	59	DSIbS1	Combination	0	0	83.4156	0	0	0
Story2	12	59	DSIbS2	Combination	0	0	87.7057	0	0	0
Story2	12	59	DSIbS3	Combination	0	0	76.1437	0	0	0
Story2	12	59	DSIbS4	Combination	0	0	73.2896	0	0	0
Story2	12	59	DSIbS5	Combination	0	0	85.0805	0	0	0
Story2	12	59	DSIbS6	Combination	0	0	81.7507	0	0	0
Story2	12	59	DSIbS7	Combination	0	0	61.2474	0	0	0
Story2	12	59	DSIbS8	Combination	0	0	57.9177	0	0	0
Story2	12	59	DSIbS9	Combination	0	0	74.4455	0	0	0
Story2	12	59	DSIbS10	Combination	0	0	74.9878	0	0	0
Story2	12	59	DSIbS11	Combination	0	0	67.7517	0	0	0
Story2	12	59	DSIbS12	Combination	0	0	81.6816	0	0	0
Story2	12	59	DSIbS13	Combination	0	0	83.0993	0	0	0
Story2	12	59	DSIbS14	Combination	0	0	83.7319	0	0	0
Story2	12	59	DSIbS15	Combination	0	0	75.2898	0	0	0
Story2	12	59	DSIbS16	Combination	0	0	91.5414	0	0	0
Story2	12	59	DSIbS17	Combination	0	0	59.2663	0	0	0
Story2	12	59	DSIbS18	Combination	0	0	59.8989	0	0	0
Story2	12	59	DSIbS19	Combination	0	0	51.4568	0	0	0
Story2	12	59	DSIbS20	Combination	0	0	67.7083	0	0	0
Story2	13	64	Dead	LinStatic	0	0	152.6582	0	0	0
Story2	13	64	Live	LinStatic	0	0	23.8684	0	0	0
Story2	13	64	Wind	LinStatic	0	0	8.0441	0	0	0
Story2	13	64	EQX	LinStatic	0	0	-13.3882	0	0	0
Story2	13	64	EQY	LinStatic	0	0	-16.4699	0	0	0
Story2	13	64	Comb1	Combination	0	0	236.6451	0	0	0
Story2	13	64	Comb2	Combination	0	0	199.6126	0	0	0
Story2	13	64	Comb3	Combination	0	0	177.4839	0	0	0
Story2	13	64	Comb4	Combination	0	0	147.8498	0	0	0
Story2	13	64	Comb5	Combination	0	0	137.3924	0	0	0
Story2	13	64	DStIS1	Combination	0	0	213.7215	0	0	0
Story2	13	64	DStIS2	Combination	0	0	251.911	0	0	0
Story2	13	64	DStIS3	Combination	0	0	221.4849	0	0	0
Story2	13	64	DStIS4	Combination	0	0	202.179	0	0	0
Story2	13	64	DStIS5	Combination	0	0	224.9833	0	0	0
Story2	13	64	DStIS6	Combination	0	0	202.4598	0	0	0
Story2	13	64	DStIS7	Combination	0	0	163.92	0	0	0
Story2	13	64	DStIS8	Combination	0	0	141.3965	0	0	0
Story2	13	64	DStIS9	Combination	0	0	195.7661	0	0	0
Story2	13	64	DStIS10	Combination	0	0	227.8978	0	0	0
Story2	13	64	DStIS11	Combination	0	0	192.0681	0	0	0
Story2	13	64	DStIS12	Combination	0	0	231.5959	0	0	0
Story2	13	64	DStIS13	Combination	0	0	194.978	0	0	0
Story2	13	64	DStIS14	Combination	0	0	232.465	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	13	64	DStIS15	Combination	0	0	190.6636	0	0	0
Story2	13	64	DStIS16	Combination	0	0	236.7794	0	0	0
Story2	13	64	DStIS17	Combination	0	0	133.9148	0	0	0
Story2	13	64	DStIS18	Combination	0	0	171.4017	0	0	0
Story2	13	64	DStIS19	Combination	0	0	129.6003	0	0	0
Story2	13	64	DStIS20	Combination	0	0	175.7161	0	0	0
Story2	13	64	DStID1	Combination	0	0	152.6582	0	0	0
Story2	13	64	DStID2	Combination	0	0	176.5266	0	0	0
Story2	13	64	DSIbS1	Combination	0	0	213.7215	0	0	0
Story2	13	64	DSIbS2	Combination	0	0	251.911	0	0	0
Story2	13	64	DSIbS3	Combination	0	0	221.4849	0	0	0
Story2	13	64	DSIbS4	Combination	0	0	202.179	0	0	0
Story2	13	64	DSIbS5	Combination	0	0	224.9833	0	0	0
Story2	13	64	DSIbS6	Combination	0	0	202.4598	0	0	0
Story2	13	64	DSIbS7	Combination	0	0	163.92	0	0	0
Story2	13	64	DSIbS8	Combination	0	0	141.3965	0	0	0
Story2	13	64	DSIbS9	Combination	0	0	195.7661	0	0	0
Story2	13	64	DSIbS10	Combination	0	0	227.8978	0	0	0
Story2	13	64	DSIbS11	Combination	0	0	192.0681	0	0	0
Story2	13	64	DSIbS12	Combination	0	0	231.5959	0	0	0
Story2	13	64	DSIbS13	Combination	0	0	194.978	0	0	0
Story2	13	64	DSIbS14	Combination	0	0	232.465	0	0	0
Story2	13	64	DSIbS15	Combination	0	0	190.6636	0	0	0
Story2	13	64	DSIbS16	Combination	0	0	236.7794	0	0	0
Story2	13	64	DSIbS17	Combination	0	0	133.9148	0	0	0
Story2	13	64	DSIbS18	Combination	0	0	171.4017	0	0	0
Story2	13	64	DSIbS19	Combination	0	0	129.6003	0	0	0
Story2	13	64	DSIbS20	Combination	0	0	175.7161	0	0	0
Story2	43	67	Dead	LinStatic	0	0	13.964	0	0	0
Story2	43	67	Live	LinStatic	0	0	2.5638	0	0	0
Story2	43	67	Wind	LinStatic	0	0	0.6369	0	0	0
Story2	43	67	EQX	LinStatic	0	0	-3.0019	0	0	0
Story2	43	67	EQY	LinStatic	0	0	-0.4199	0	0	0
Story2	43	67	Comb1	Combination	0	0	22.2552	0	0	0
Story2	43	67	Comb2	Combination	0	0	18.6194	0	0	0
Story2	43	67	Comb3	Combination	0	0	16.6914	0	0	0
Story2	43	67	Comb4	Combination	0	0	13.3956	0	0	0
Story2	43	67	Comb5	Combination	0	0	12.5676	0	0	0
Story2	43	67	DStIS1	Combination	0	0	19.5496	0	0	0
Story2	43	67	DStIS2	Combination	0	0	23.6516	0	0	0
Story2	43	67	DStIS3	Combination	0	0	20.5976	0	0	0
Story2	43	67	DStIS4	Combination	0	0	19.069	0	0	0
Story2	43	67	DStIS5	Combination	0	0	20.4412	0	0	0
Story2	43	67	DStIS6	Combination	0	0	18.6579	0	0	0
Story2	43	67	DStIS7	Combination	0	0	14.8556	0	0	0
Story2	43	67	DStIS8	Combination	0	0	13.0723	0	0	0
Story2	43	67	DStIS9	Combination	0	0	16.231	0	0	0
Story2	43	67	DStIS10	Combination	0	0	23.4356	0	0	0
Story2	43	67	DStIS11	Combination	0	0	19.3295	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	43	67	DStIS12	Combination	0	0	20.3371	0	0	0
Story2	43	67	DStIS13	Combination	0	0	15.3469	0	0	0
Story2	43	67	DStIS14	Combination	0	0	23.7522	0	0	0
Story2	43	67	DStIS15	Combination	0	0	18.9617	0	0	0
Story2	43	67	DStIS16	Combination	0	0	20.1374	0	0	0
Story2	43	67	DStIS17	Combination	0	0	9.7613	0	0	0
Story2	43	67	DStIS18	Combination	0	0	18.1666	0	0	0
Story2	43	67	DStIS19	Combination	0	0	13.3762	0	0	0
Story2	43	67	DStIS20	Combination	0	0	14.5518	0	0	0
Story2	43	67	DStID1	Combination	0	0	13.964	0	0	0
Story2	43	67	DStID2	Combination	0	0	16.5278	0	0	0
Story2	43	67	DSIbS1	Combination	0	0	19.5496	0	0	0
Story2	43	67	DSIbS2	Combination	0	0	23.6516	0	0	0
Story2	43	67	DSIbS3	Combination	0	0	20.5976	0	0	0
Story2	43	67	DSIbS4	Combination	0	0	19.069	0	0	0
Story2	43	67	DSIbS5	Combination	0	0	20.4412	0	0	0
Story2	43	67	DSIbS6	Combination	0	0	18.6579	0	0	0
Story2	43	67	DSIbS7	Combination	0	0	14.8556	0	0	0
Story2	43	67	DSIbS8	Combination	0	0	13.0723	0	0	0
Story2	43	67	DSIbS9	Combination	0	0	16.231	0	0	0
Story2	43	67	DSIbS10	Combination	0	0	23.4356	0	0	0
Story2	43	67	DSIbS11	Combination	0	0	19.3295	0	0	0
Story2	43	67	DSIbS12	Combination	0	0	20.3371	0	0	0
Story2	43	67	DSIbS13	Combination	0	0	15.3469	0	0	0
Story2	43	67	DSIbS14	Combination	0	0	23.7522	0	0	0
Story2	43	67	DSIbS15	Combination	0	0	18.9617	0	0	0
Story2	43	67	DSIbS16	Combination	0	0	20.1374	0	0	0
Story2	43	67	DSIbS17	Combination	0	0	9.7613	0	0	0
Story2	43	67	DSIbS18	Combination	0	0	18.1666	0	0	0
Story2	43	67	DSIbS19	Combination	0	0	13.3762	0	0	0
Story2	43	67	DSIbS20	Combination	0	0	14.5518	0	0	0
Story2	44	68	Dead	LinStatic	0	0	13.9612	0	0	0
Story2	44	68	Live	LinStatic	0	0	2.5634	0	0	0
Story2	44	68	Wind	LinStatic	0	0	1.3223	0	0	0
Story2	44	68	EQX	LinStatic	0	0	-3.0271	0	0	0
Story2	44	68	EQY	LinStatic	0	0	0.4236	0	0	0
Story2	44	68	Comb1	Combination	0	0	22.2511	0	0	0
Story2	44	68	Comb2	Combination	0	0	19.4934	0	0	0
Story2	44	68	Comb3	Combination	0	0	16.6883	0	0	0
Story2	44	68	Comb4	Combination	0	0	14.2841	0	0	0
Story2	44	68	Comb5	Combination	0	0	12.5651	0	0	0
Story2	44	68	DStIS1	Combination	0	0	19.5457	0	0	0
Story2	44	68	DStIS2	Combination	0	0	23.6472	0	0	0
Story2	44	68	DStIS3	Combination	0	0	21.4164	0	0	0
Story2	44	68	DStIS4	Combination	0	0	18.2428	0	0	0
Story2	44	68	DStIS5	Combination	0	0	21.397	0	0	0
Story2	44	68	DStIS6	Combination	0	0	17.6944	0	0	0
Story2	44	68	DStIS7	Combination	0	0	15.8125	0	0	0
Story2	44	68	DStIS8	Combination	0	0	12.1099	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	44	68	DStIS9	Combination	0	0	16.197	0	0	0
Story2	44	68	DStIS10	Combination	0	0	23.4621	0	0	0
Story2	44	68	DStIS11	Combination	0	0	20.3378	0	0	0
Story2	44	68	DStIS12	Combination	0	0	19.3213	0	0	0
Story2	44	68	DStIS13	Combination	0	0	15.3077	0	0	0
Story2	44	68	DStIS14	Combination	0	0	23.7837	0	0	0
Story2	44	68	DStIS15	Combination	0	0	20.1387	0	0	0
Story2	44	68	DStIS16	Combination	0	0	18.9527	0	0	0
Story2	44	68	DStIS17	Combination	0	0	9.7232	0	0	0
Story2	44	68	DStIS18	Combination	0	0	18.1992	0	0	0
Story2	44	68	DStIS19	Combination	0	0	14.5542	0	0	0
Story2	44	68	DStIS20	Combination	0	0	13.3682	0	0	0
Story2	44	68	DStID1	Combination	0	0	13.9612	0	0	0
Story2	44	68	DStID2	Combination	0	0	16.5246	0	0	0
Story2	44	68	DSlBS1	Combination	0	0	19.5457	0	0	0
Story2	44	68	DSlBS2	Combination	0	0	23.6472	0	0	0
Story2	44	68	DSlBS3	Combination	0	0	21.4164	0	0	0
Story2	44	68	DSlBS4	Combination	0	0	18.2428	0	0	0
Story2	44	68	DSlBS5	Combination	0	0	21.397	0	0	0
Story2	44	68	DSlBS6	Combination	0	0	17.6944	0	0	0
Story2	44	68	DSlBS7	Combination	0	0	15.8125	0	0	0
Story2	44	68	DSlBS8	Combination	0	0	12.1099	0	0	0
Story2	44	68	DSlBS9	Combination	0	0	16.197	0	0	0
Story2	44	68	DSlBS10	Combination	0	0	23.4621	0	0	0
Story2	44	68	DSlBS11	Combination	0	0	20.3378	0	0	0
Story2	44	68	DSlBS12	Combination	0	0	19.3213	0	0	0
Story2	44	68	DSlBS13	Combination	0	0	15.3077	0	0	0
Story2	44	68	DSlBS14	Combination	0	0	23.7837	0	0	0
Story2	44	68	DSlBS15	Combination	0	0	20.1387	0	0	0
Story2	44	68	DSlBS16	Combination	0	0	18.9527	0	0	0
Story2	44	68	DSlBS17	Combination	0	0	9.7232	0	0	0
Story2	44	68	DSlBS18	Combination	0	0	18.1992	0	0	0
Story2	44	68	DSlBS19	Combination	0	0	14.5542	0	0	0
Story2	44	68	DSlBS20	Combination	0	0	13.3682	0	0	0
Story2	94	128	Dead	LinStatic	0	0	14.9793	0	0	0
Story2	94	128	Live	LinStatic	0	0	2.4548	0	0	0
Story2	94	128	Wind	LinStatic	0	0	0.6511	0	0	0
Story2	94	128	EQX	LinStatic	0	0	-0.2328	0	0	0
Story2	94	128	EQY	LinStatic	0	0	-0.4583	0	0	0
Story2	94	128	Comb1	Combination	0	0	23.4009	0	0	0
Story2	94	128	Comb2	Combination	0	0	19.5541	0	0	0
Story2	94	128	Comb3	Combination	0	0	17.5507	0	0	0
Story2	94	128	Comb4	Combination	0	0	14.3279	0	0	0
Story2	94	128	Comb5	Combination	0	0	13.4814	0	0	0
Story2	94	128	DStIS1	Combination	0	0	20.9711	0	0	0
Story2	94	128	DStIS2	Combination	0	0	24.8988	0	0	0
Story2	94	128	DStIS3	Combination	0	0	21.7023	0	0	0
Story2	94	128	DStIS4	Combination	0	0	20.1397	0	0	0
Story2	94	128	DStIS5	Combination	0	0	21.8826	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	94	128	DStIS6	Combination	0	0	20.0595	0	0	0
Story2	94	128	DStIS7	Combination	0	0	15.8909	0	0	0
Story2	94	128	DStIS8	Combination	0	0	14.0678	0	0	0
Story2	94	128	DStIS9	Combination	0	0	20.6416	0	0	0
Story2	94	128	DStIS10	Combination	0	0	21.2004	0	0	0
Story2	94	128	DStIS11	Combination	0	0	20.371	0	0	0
Story2	94	128	DStIS12	Combination	0	0	21.471	0	0	0
Story2	94	128	DStIS13	Combination	0	0	20.6451	0	0	0
Story2	94	128	DStIS14	Combination	0	0	21.2971	0	0	0
Story2	94	128	DStIS15	Combination	0	0	20.3294	0	0	0
Story2	94	128	DStIS16	Combination	0	0	21.6127	0	0	0
Story2	94	128	DStIS17	Combination	0	0	14.6534	0	0	0
Story2	94	128	DStIS18	Combination	0	0	15.3053	0	0	0
Story2	94	128	DStIS19	Combination	0	0	14.3377	0	0	0
Story2	94	128	DStIS20	Combination	0	0	15.621	0	0	0
Story2	94	128	DStID1	Combination	0	0	14.9793	0	0	0
Story2	94	128	DStID2	Combination	0	0	17.4342	0	0	0
Story2	94	128	DSIbS1	Combination	0	0	20.9711	0	0	0
Story2	94	128	DSIbS2	Combination	0	0	24.8988	0	0	0
Story2	94	128	DSIbS3	Combination	0	0	21.7023	0	0	0
Story2	94	128	DSIbS4	Combination	0	0	20.1397	0	0	0
Story2	94	128	DSIbS5	Combination	0	0	21.8826	0	0	0
Story2	94	128	DSIbS6	Combination	0	0	20.0595	0	0	0
Story2	94	128	DSIbS7	Combination	0	0	15.8909	0	0	0
Story2	94	128	DSIbS8	Combination	0	0	14.0678	0	0	0
Story2	94	128	DSIbS9	Combination	0	0	20.6416	0	0	0
Story2	94	128	DSIbS10	Combination	0	0	21.2004	0	0	0
Story2	94	128	DSIbS11	Combination	0	0	20.371	0	0	0
Story2	94	128	DSIbS12	Combination	0	0	21.471	0	0	0
Story2	94	128	DSIbS13	Combination	0	0	20.6451	0	0	0
Story2	94	128	DSIbS14	Combination	0	0	21.2971	0	0	0
Story2	94	128	DSIbS15	Combination	0	0	20.3294	0	0	0
Story2	94	128	DSIbS16	Combination	0	0	21.6127	0	0	0
Story2	94	128	DSIbS17	Combination	0	0	14.6534	0	0	0
Story2	94	128	DSIbS18	Combination	0	0	15.3053	0	0	0
Story2	94	128	DSIbS19	Combination	0	0	14.3377	0	0	0
Story2	94	128	DSIbS20	Combination	0	0	15.621	0	0	0
Story2	95	129	Dead	LinStatic	0	0	14.9753	0	0	0
Story2	95	129	Live	LinStatic	0	0	2.4538	0	0	0
Story2	95	129	Wind	LinStatic	0	0	1.3456	0	0	0
Story2	95	129	EQX	LinStatic	0	0	-0.2339	0	0	0
Story2	95	129	EQY	LinStatic	0	0	0.4827	0	0	0
Story2	95	129	Comb1	Combination	0	0	23.3939	0	0	0
Story2	95	129	Comb2	Combination	0	0	20.4375	0	0	0
Story2	95	129	Comb3	Combination	0	0	17.5454	0	0	0
Story2	95	129	Comb4	Combination	0	0	15.227	0	0	0
Story2	95	129	Comb5	Combination	0	0	13.4777	0	0	0
Story2	95	129	DStIS1	Combination	0	0	20.9654	0	0	0
Story2	95	129	DStIS2	Combination	0	0	24.8914	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	95	129	DStIS3	Combination	0	0	22.5296	0	0	0
Story2	95	129	DStIS4	Combination	0	0	19.3001	0	0	0
Story2	95	129	DStIS5	Combination	0	0	22.8492	0	0	0
Story2	95	129	DStIS6	Combination	0	0	19.0815	0	0	0
Story2	95	129	DStIS7	Combination	0	0	16.8591	0	0	0
Story2	95	129	DStIS8	Combination	0	0	13.0914	0	0	0
Story2	95	129	DStIS9	Combination	0	0	20.6342	0	0	0
Story2	95	129	DStIS10	Combination	0	0	21.1955	0	0	0
Story2	95	129	DStIS11	Combination	0	0	21.4941	0	0	0
Story2	95	129	DStIS12	Combination	0	0	20.3356	0	0	0
Story2	95	129	DStIS13	Combination	0	0	20.638	0	0	0
Story2	95	129	DStIS14	Combination	0	0	21.2928	0	0	0
Story2	95	129	DStIS15	Combination	0	0	21.6411	0	0	0
Story2	95	129	DStIS16	Combination	0	0	20.2896	0	0	0
Story2	95	129	DStIS17	Combination	0	0	14.6478	0	0	0
Story2	95	129	DStIS18	Combination	0	0	15.3027	0	0	0
Story2	95	129	DStIS19	Combination	0	0	15.651	0	0	0
Story2	95	129	DStIS20	Combination	0	0	14.2995	0	0	0
Story2	95	129	DStID1	Combination	0	0	14.9753	0	0	0
Story2	95	129	DStID2	Combination	0	0	17.429	0	0	0
Story2	95	129	DSlBS1	Combination	0	0	20.9654	0	0	0
Story2	95	129	DSlBS2	Combination	0	0	24.8914	0	0	0
Story2	95	129	DSlBS3	Combination	0	0	22.5296	0	0	0
Story2	95	129	DSlBS4	Combination	0	0	19.3001	0	0	0
Story2	95	129	DSlBS5	Combination	0	0	22.8492	0	0	0
Story2	95	129	DSlBS6	Combination	0	0	19.0815	0	0	0
Story2	95	129	DSlBS7	Combination	0	0	16.8591	0	0	0
Story2	95	129	DSlBS8	Combination	0	0	13.0914	0	0	0
Story2	95	129	DSlBS9	Combination	0	0	20.6342	0	0	0
Story2	95	129	DSlBS10	Combination	0	0	21.1955	0	0	0
Story2	95	129	DSlBS11	Combination	0	0	21.4941	0	0	0
Story2	95	129	DSlBS12	Combination	0	0	20.3356	0	0	0
Story2	95	129	DSlBS13	Combination	0	0	20.638	0	0	0
Story2	95	129	DSlBS14	Combination	0	0	21.2928	0	0	0
Story2	95	129	DSlBS15	Combination	0	0	21.6411	0	0	0
Story2	95	129	DSlBS16	Combination	0	0	20.2896	0	0	0
Story2	95	129	DSlBS17	Combination	0	0	14.6478	0	0	0
Story2	95	129	DSlBS18	Combination	0	0	15.3027	0	0	0
Story2	95	129	DSlBS19	Combination	0	0	15.651	0	0	0
Story2	95	129	DSlBS20	Combination	0	0	14.2995	0	0	0
Story2	145	182	Dead	LinStatic	0	0	14.9455	0	0	0
Story2	145	182	Live	LinStatic	0	0	2.4722	0	0	0
Story2	145	182	Wind	LinStatic	0	0	0.6577	0	0	0
Story2	145	182	EQX	LinStatic	0	0	0.0056	0	0	0
Story2	145	182	EQY	LinStatic	0	0	-0.5087	0	0	0
Story2	145	182	Comb1	Combination	0	0	23.3848	0	0	0
Story2	145	182	Comb2	Combination	0	0	19.5497	0	0	0
Story2	145	182	Comb3	Combination	0	0	17.5386	0	0	0
Story2	145	182	Comb4	Combination	0	0	14.306	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	145	182	Comb5	Combination	0	0	13.451	0	0	0
Story2	145	182	DStIS1	Combination	0	0	20.9237	0	0	0
Story2	145	182	DStIS2	Combination	0	0	24.8793	0	0	0
Story2	145	182	DStIS3	Combination	0	0	21.6906	0	0	0
Story2	145	182	DStIS4	Combination	0	0	20.112	0	0	0
Story2	145	182	DStIS5	Combination	0	0	21.8445	0	0	0
Story2	145	182	DStIS6	Combination	0	0	20.0029	0	0	0
Story2	145	182	DStIS7	Combination	0	0	15.8663	0	0	0
Story2	145	182	DStIS8	Combination	0	0	14.0247	0	0	0
Story2	145	182	DStIS9	Combination	0	0	20.908	0	0	0
Story2	145	182	DStIS10	Combination	0	0	20.8946	0	0	0
Story2	145	182	DStIS11	Combination	0	0	20.2909	0	0	0
Story2	145	182	DStIS12	Combination	0	0	21.5117	0	0	0
Story2	145	182	DStIS13	Combination	0	0	20.9316	0	0	0
Story2	145	182	DStIS14	Combination	0	0	20.9159	0	0	0
Story2	145	182	DStIS15	Combination	0	0	20.2116	0	0	0
Story2	145	182	DStIS16	Combination	0	0	21.6358	0	0	0
Story2	145	182	DStIS17	Combination	0	0	14.9534	0	0	0
Story2	145	182	DStIS18	Combination	0	0	14.9377	0	0	0
Story2	145	182	DStIS19	Combination	0	0	14.2334	0	0	0
Story2	145	182	DStIS20	Combination	0	0	15.6576	0	0	0
Story2	145	182	DStID1	Combination	0	0	14.9455	0	0	0
Story2	145	182	DStID2	Combination	0	0	17.4178	0	0	0
Story2	145	182	DSIbS1	Combination	0	0	20.9237	0	0	0
Story2	145	182	DSIbS2	Combination	0	0	24.8793	0	0	0
Story2	145	182	DSIbS3	Combination	0	0	21.6906	0	0	0
Story2	145	182	DSIbS4	Combination	0	0	20.112	0	0	0
Story2	145	182	DSIbS5	Combination	0	0	21.8445	0	0	0
Story2	145	182	DSIbS6	Combination	0	0	20.0029	0	0	0
Story2	145	182	DSIbS7	Combination	0	0	15.8663	0	0	0
Story2	145	182	DSIbS8	Combination	0	0	14.0247	0	0	0
Story2	145	182	DSIbS9	Combination	0	0	20.908	0	0	0
Story2	145	182	DSIbS10	Combination	0	0	20.8946	0	0	0
Story2	145	182	DSIbS11	Combination	0	0	20.2909	0	0	0
Story2	145	182	DSIbS12	Combination	0	0	21.5117	0	0	0
Story2	145	182	DSIbS13	Combination	0	0	20.9316	0	0	0
Story2	145	182	DSIbS14	Combination	0	0	20.9159	0	0	0
Story2	145	182	DSIbS15	Combination	0	0	20.2116	0	0	0
Story2	145	182	DSIbS16	Combination	0	0	21.6358	0	0	0
Story2	145	182	DSIbS17	Combination	0	0	14.9534	0	0	0
Story2	145	182	DSIbS18	Combination	0	0	14.9377	0	0	0
Story2	145	182	DSIbS19	Combination	0	0	14.2334	0	0	0
Story2	145	182	DSIbS20	Combination	0	0	15.6576	0	0	0
Story2	146	183	Dead	LinStatic	0	0	14.9411	0	0	0
Story2	146	183	Live	LinStatic	0	0	2.4697	0	0	0
Story2	146	183	Wind	LinStatic	0	0	1.3576	0	0	0
Story2	146	183	EQX	LinStatic	0	0	0.0038	0	0	0
Story2	146	183	EQY	LinStatic	0	0	0.5395	0	0	0
Story2	146	183	Comb1	Combination	0	0	23.3748	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	146	183	Comb2	Combination	0	0	20.4375	0	0	0
Story2	146	183	Comb3	Combination	0	0	17.5311	0	0	0
Story2	146	183	Comb4	Combination	0	0	15.2118	0	0	0
Story2	146	183	Comb5	Combination	0	0	13.447	0	0	0
Story2	146	183	DStIS1	Combination	0	0	20.9175	0	0	0
Story2	146	183	DStIS2	Combination	0	0	24.8689	0	0	0
Story2	146	183	DStIS3	Combination	0	0	22.5219	0	0	0
Story2	146	183	DStIS4	Combination	0	0	19.2638	0	0	0
Story2	146	183	DStIS5	Combination	0	0	22.8181	0	0	0
Story2	146	183	DStIS6	Combination	0	0	19.0169	0	0	0
Story2	146	183	DStIS7	Combination	0	0	16.8416	0	0	0
Story2	146	183	DStIS8	Combination	0	0	13.0405	0	0	0
Story2	146	183	DStIS9	Combination	0	0	20.8974	0	0	0
Story2	146	183	DStIS10	Combination	0	0	20.8884	0	0	0
Story2	146	183	DStIS11	Combination	0	0	21.5403	0	0	0
Story2	146	183	DStIS12	Combination	0	0	20.2454	0	0	0
Story2	146	183	DStIS13	Combination	0	0	20.9228	0	0	0
Story2	146	183	DStIS14	Combination	0	0	20.9122	0	0	0
Story2	146	183	DStIS15	Combination	0	0	21.6729	0	0	0
Story2	146	183	DStIS16	Combination	0	0	20.1621	0	0	0
Story2	146	183	DStIS17	Combination	0	0	14.9463	0	0	0
Story2	146	183	DStIS18	Combination	0	0	14.9358	0	0	0
Story2	146	183	DStIS19	Combination	0	0	15.6964	0	0	0
Story2	146	183	DStIS20	Combination	0	0	14.1857	0	0	0
Story2	146	183	DStID1	Combination	0	0	14.9411	0	0	0
Story2	146	183	DStID2	Combination	0	0	17.4107	0	0	0
Story2	146	183	DSIbS1	Combination	0	0	20.9175	0	0	0
Story2	146	183	DSIbS2	Combination	0	0	24.8689	0	0	0
Story2	146	183	DSIbS3	Combination	0	0	22.5219	0	0	0
Story2	146	183	DSIbS4	Combination	0	0	19.2638	0	0	0
Story2	146	183	DSIbS5	Combination	0	0	22.8181	0	0	0
Story2	146	183	DSIbS6	Combination	0	0	19.0169	0	0	0
Story2	146	183	DSIbS7	Combination	0	0	16.8416	0	0	0
Story2	146	183	DSIbS8	Combination	0	0	13.0405	0	0	0
Story2	146	183	DSIbS9	Combination	0	0	20.8974	0	0	0
Story2	146	183	DSIbS10	Combination	0	0	20.8884	0	0	0
Story2	146	183	DSIbS11	Combination	0	0	21.5403	0	0	0
Story2	146	183	DSIbS12	Combination	0	0	20.2454	0	0	0
Story2	146	183	DSIbS13	Combination	0	0	20.9228	0	0	0
Story2	146	183	DSIbS14	Combination	0	0	20.9122	0	0	0
Story2	146	183	DSIbS15	Combination	0	0	21.6729	0	0	0
Story2	146	183	DSIbS16	Combination	0	0	20.1621	0	0	0
Story2	146	183	DSIbS17	Combination	0	0	14.9463	0	0	0
Story2	146	183	DSIbS18	Combination	0	0	14.9358	0	0	0
Story2	146	183	DSIbS19	Combination	0	0	15.6964	0	0	0
Story2	146	183	DSIbS20	Combination	0	0	14.1857	0	0	0
Story2	196	236	Dead	LinStatic	0	0	14.9863	0	0	0
Story2	196	236	Live	LinStatic	0	0	2.4564	0	0	0
Story2	196	236	Wind	LinStatic	0	0	0.6482	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	196	236	EQX	LinStatic	0	0	0.272	0	0	0
Story2	196	236	EQY	LinStatic	0	0	-0.5331	0	0	0
Story2	196	236	Comb1	Combination	0	0	23.4124	0	0	0
Story2	196	236	Comb2	Combination	0	0	19.5597	0	0	0
Story2	196	236	Comb3	Combination	0	0	17.5593	0	0	0
Story2	196	236	Comb4	Combination	0	0	14.3304	0	0	0
Story2	196	236	Comb5	Combination	0	0	13.4877	0	0	0
Story2	196	236	DStIS1	Combination	0	0	20.9808	0	0	0
Story2	196	236	DStIS2	Combination	0	0	24.9111	0	0	0
Story2	196	236	DStIS3	Combination	0	0	21.7091	0	0	0
Story2	196	236	DStIS4	Combination	0	0	20.1534	0	0	0
Story2	196	236	DStIS5	Combination	0	0	21.8883	0	0	0
Story2	196	236	DStIS6	Combination	0	0	20.0733	0	0	0
Story2	196	236	DStIS7	Combination	0	0	15.8938	0	0	0
Story2	196	236	DStIS8	Combination	0	0	14.0788	0	0	0
Story2	196	236	DStIS9	Combination	0	0	21.2576	0	0	0
Story2	196	236	DStIS10	Combination	0	0	20.6048	0	0	0
Story2	196	236	DStIS11	Combination	0	0	20.2916	0	0	0
Story2	196	236	DStIS12	Combination	0	0	21.5709	0	0	0
Story2	196	236	DStIS13	Combination	0	0	21.3616	0	0	0
Story2	196	236	DStIS14	Combination	0	0	20.6	0	0	0
Story2	196	236	DStIS15	Combination	0	0	20.2345	0	0	0
Story2	196	236	DStIS16	Combination	0	0	21.7271	0	0	0
Story2	196	236	DStIS17	Combination	0	0	15.3671	0	0	0
Story2	196	236	DStIS18	Combination	0	0	14.6055	0	0	0
Story2	196	236	DStIS19	Combination	0	0	14.24	0	0	0
Story2	196	236	DStIS20	Combination	0	0	15.7326	0	0	0
Story2	196	236	DStID1	Combination	0	0	14.9863	0	0	0
Story2	196	236	DStID2	Combination	0	0	17.4427	0	0	0
Story2	196	236	DSIbS1	Combination	0	0	20.9808	0	0	0
Story2	196	236	DSIbS2	Combination	0	0	24.9111	0	0	0
Story2	196	236	DSIbS3	Combination	0	0	21.7091	0	0	0
Story2	196	236	DSIbS4	Combination	0	0	20.1534	0	0	0
Story2	196	236	DSIbS5	Combination	0	0	21.8883	0	0	0
Story2	196	236	DSIbS6	Combination	0	0	20.0733	0	0	0
Story2	196	236	DSIbS7	Combination	0	0	15.8938	0	0	0
Story2	196	236	DSIbS8	Combination	0	0	14.0788	0	0	0
Story2	196	236	DSIbS9	Combination	0	0	21.2576	0	0	0
Story2	196	236	DSIbS10	Combination	0	0	20.6048	0	0	0
Story2	196	236	DSIbS11	Combination	0	0	20.2916	0	0	0
Story2	196	236	DSIbS12	Combination	0	0	21.5709	0	0	0
Story2	196	236	DSIbS13	Combination	0	0	21.3616	0	0	0
Story2	196	236	DSIbS14	Combination	0	0	20.6	0	0	0
Story2	196	236	DSIbS15	Combination	0	0	20.2345	0	0	0
Story2	196	236	DSIbS16	Combination	0	0	21.7271	0	0	0
Story2	196	236	DSIbS17	Combination	0	0	15.3671	0	0	0
Story2	196	236	DSIbS18	Combination	0	0	14.6055	0	0	0
Story2	196	236	DSIbS19	Combination	0	0	14.24	0	0	0
Story2	196	236	DSIbS20	Combination	0	0	15.7326	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	197	237	Dead	LinStatic	0	0	15.0283	0	0	0
Story2	197	237	Live	LinStatic	0	0	2.4652	0	0	0
Story2	197	237	Wind	LinStatic	0	0	1.3473	0	0	0
Story2	197	237	EQX	LinStatic	0	0	0.3521	0	0	0
Story2	197	237	EQY	LinStatic	0	0	0.4115	0	0	0
Story2	197	237	Comb1	Combination	0	0	23.4811	0	0	0
Story2	197	237	Comb2	Combination	0	0	20.5094	0	0	0
Story2	197	237	Comb3	Combination	0	0	17.6108	0	0	0
Story2	197	237	Comb4	Combination	0	0	15.2769	0	0	0
Story2	197	237	Comb5	Combination	0	0	13.5255	0	0	0
Story2	197	237	DStIS1	Combination	0	0	21.0396	0	0	0
Story2	197	237	DStIS2	Combination	0	0	24.9839	0	0	0
Story2	197	237	DStIS3	Combination	0	0	22.6089	0	0	0
Story2	197	237	DStIS4	Combination	0	0	19.3755	0	0	0
Story2	197	237	DStIS5	Combination	0	0	22.9258	0	0	0
Story2	197	237	DStIS6	Combination	0	0	19.1534	0	0	0
Story2	197	237	DStIS7	Combination	0	0	16.9145	0	0	0
Story2	197	237	DStIS8	Combination	0	0	13.1421	0	0	0
Story2	197	237	DStIS9	Combination	0	0	21.4147	0	0	0
Story2	197	237	DStIS10	Combination	0	0	20.5697	0	0	0
Story2	197	237	DStIS11	Combination	0	0	21.486	0	0	0
Story2	197	237	DStIS12	Combination	0	0	20.4983	0	0	0
Story2	197	237	DStIS13	Combination	0	0	21.5325	0	0	0
Story2	197	237	DStIS14	Combination	0	0	20.5467	0	0	0
Story2	197	237	DStIS15	Combination	0	0	21.6158	0	0	0
Story2	197	237	DStIS16	Combination	0	0	20.4635	0	0	0
Story2	197	237	DStIS17	Combination	0	0	15.5212	0	0	0
Story2	197	237	DStIS18	Combination	0	0	14.5354	0	0	0
Story2	197	237	DStIS19	Combination	0	0	15.6045	0	0	0
Story2	197	237	DStIS20	Combination	0	0	14.4522	0	0	0
Story2	197	237	DStID1	Combination	0	0	15.0283	0	0	0
Story2	197	237	DStID2	Combination	0	0	17.4935	0	0	0
Story2	197	237	DSIbS1	Combination	0	0	21.0396	0	0	0
Story2	197	237	DSIbS2	Combination	0	0	24.9839	0	0	0
Story2	197	237	DSIbS3	Combination	0	0	22.6089	0	0	0
Story2	197	237	DSIbS4	Combination	0	0	19.3755	0	0	0
Story2	197	237	DSIbS5	Combination	0	0	22.9258	0	0	0
Story2	197	237	DSIbS6	Combination	0	0	19.1534	0	0	0
Story2	197	237	DSIbS7	Combination	0	0	16.9145	0	0	0
Story2	197	237	DSIbS8	Combination	0	0	13.1421	0	0	0
Story2	197	237	DSIbS9	Combination	0	0	21.4147	0	0	0
Story2	197	237	DSIbS10	Combination	0	0	20.5697	0	0	0
Story2	197	237	DSIbS11	Combination	0	0	21.486	0	0	0
Story2	197	237	DSIbS12	Combination	0	0	20.4983	0	0	0
Story2	197	237	DSIbS13	Combination	0	0	21.5325	0	0	0
Story2	197	237	DSIbS14	Combination	0	0	20.5467	0	0	0
Story2	197	237	DSIbS15	Combination	0	0	21.6158	0	0	0
Story2	197	237	DSIbS16	Combination	0	0	20.4635	0	0	0
Story2	197	237	DSIbS17	Combination	0	0	15.5212	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	197	237	DSlbS18	Combination	0	0	14.5354	0	0	0
Story2	197	237	DSlbS19	Combination	0	0	15.6045	0	0	0
Story2	197	237	DSlbS20	Combination	0	0	14.4522	0	0	0
Story2	274	306	Dead	LinStatic	0	0	13.9755	0	0	0
Story2	274	306	Live	LinStatic	0	0	2.564	0	0	0
Story2	274	306	Wind	LinStatic	0	0	0.6155	0	0	0
Story2	274	306	EQX	LinStatic	0	0	3.8756	0	0	0
Story2	274	306	EQY	LinStatic	0	0	-0.8631	0	0	0
Story2	274	306	Comb1	Combination	0	0	22.2704	0	0	0
Story2	274	306	Comb2	Combination	0	0	18.6042	0	0	0
Story2	274	306	Comb3	Combination	0	0	16.7028	0	0	0
Story2	274	306	Comb4	Combination	0	0	13.3781	0	0	0
Story2	274	306	Comb5	Combination	0	0	12.5779	0	0	0
Story2	274	306	DStIS1	Combination	0	0	19.5656	0	0	0
Story2	274	306	DStIS2	Combination	0	0	23.668	0	0	0
Story2	274	306	DStIS3	Combination	0	0	20.5859	0	0	0
Story2	274	306	DStIS4	Combination	0	0	19.1087	0	0	0
Story2	274	306	DStIS5	Combination	0	0	20.4273	0	0	0
Story2	274	306	DStIS6	Combination	0	0	18.7039	0	0	0
Story2	274	306	DStIS7	Combination	0	0	14.8372	0	0	0
Story2	274	306	DStIS8	Combination	0	0	13.1138	0	0	0
Story2	274	306	DStIS9	Combination	0	0	24.498	0	0	0
Story2	274	306	DStIS10	Combination	0	0	15.1966	0	0	0
Story2	274	306	DStIS11	Combination	0	0	18.8115	0	0	0
Story2	274	306	DStIS12	Combination	0	0	20.8831	0	0	0
Story2	274	306	DStIS13	Combination	0	0	24.9915	0	0	0
Story2	274	306	DStIS14	Combination	0	0	14.1398	0	0	0
Story2	274	306	DStIS15	Combination	0	0	18.3573	0	0	0
Story2	274	306	DStIS16	Combination	0	0	20.774	0	0	0
Story2	274	306	DStIS17	Combination	0	0	19.4013	0	0	0
Story2	274	306	DStIS18	Combination	0	0	8.5496	0	0	0
Story2	274	306	DStIS19	Combination	0	0	12.7671	0	0	0
Story2	274	306	DStIS20	Combination	0	0	15.1838	0	0	0
Story2	274	306	DStID1	Combination	0	0	13.9755	0	0	0
Story2	274	306	DStID2	Combination	0	0	16.5394	0	0	0
Story2	274	306	DSlbS1	Combination	0	0	19.5656	0	0	0
Story2	274	306	DSlbS2	Combination	0	0	23.668	0	0	0
Story2	274	306	DSlbS3	Combination	0	0	20.5859	0	0	0
Story2	274	306	DSlbS4	Combination	0	0	19.1087	0	0	0
Story2	274	306	DSlbS5	Combination	0	0	20.4273	0	0	0
Story2	274	306	DSlbS6	Combination	0	0	18.7039	0	0	0
Story2	274	306	DSlbS7	Combination	0	0	14.8372	0	0	0
Story2	274	306	DSlbS8	Combination	0	0	13.1138	0	0	0
Story2	274	306	DSlbS9	Combination	0	0	24.498	0	0	0
Story2	274	306	DSlbS10	Combination	0	0	15.1966	0	0	0
Story2	274	306	DSlbS11	Combination	0	0	18.8115	0	0	0
Story2	274	306	DSlbS12	Combination	0	0	20.8831	0	0	0
Story2	274	306	DSlbS13	Combination	0	0	24.9915	0	0	0
Story2	274	306	DSlbS14	Combination	0	0	14.1398	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Story2	274	306	DSIbS15	Combination	0	0	18.3573	0	0	0
Story2	274	306	DSIbS16	Combination	0	0	20.774	0	0	0
Story2	274	306	DSIbS17	Combination	0	0	19.4013	0	0	0
Story2	274	306	DSIbS18	Combination	0	0	8.5496	0	0	0
Story2	274	306	DSIbS19	Combination	0	0	12.7671	0	0	0
Story2	274	306	DSIbS20	Combination	0	0	15.1838	0	0	0
Story2	275	307	Dead	LinStatic	0	0	13.9917	0	0	0
Story2	275	307	Live	LinStatic	0	0	2.5733	0	0	0
Story2	275	307	Wind	LinStatic	0	0	1.3279	0	0	0
Story2	275	307	EQX	LinStatic	0	0	3.8406	0	0	0
Story2	275	307	EQY	LinStatic	0	0	0.4574	0	0	0
Story2	275	307	Comb1	Combination	0	0	22.3064	0	0	0
Story2	275	307	Comb2	Combination	0	0	19.5448	0	0	0
Story2	275	307	Comb3	Combination	0	0	16.7298	0	0	0
Story2	275	307	Comb4	Combination	0	0	14.3188	0	0	0
Story2	275	307	Comb5	Combination	0	0	12.5925	0	0	0
Story2	275	307	DStIS1	Combination	0	0	19.5884	0	0	0
Story2	275	307	DStIS2	Combination	0	0	23.7056	0	0	0
Story2	275	307	DStIS3	Combination	0	0	21.4714	0	0	0
Story2	275	307	DStIS4	Combination	0	0	18.2845	0	0	0
Story2	275	307	DStIS5	Combination	0	0	21.4474	0	0	0
Story2	275	307	DStIS6	Combination	0	0	17.7293	0	0	0
Story2	275	307	DStIS7	Combination	0	0	15.8507	0	0	0
Story2	275	307	DStIS8	Combination	0	0	12.1327	0	0	0
Story2	275	307	DStIS9	Combination	0	0	24.4867	0	0	0
Story2	275	307	DStIS10	Combination	0	0	15.2692	0	0	0
Story2	275	307	DStIS11	Combination	0	0	20.4268	0	0	0
Story2	275	307	DStIS12	Combination	0	0	19.3291	0	0	0
Story2	275	307	DStIS13	Combination	0	0	24.9652	0	0	0
Story2	275	307	DStIS14	Combination	0	0	14.2115	0	0	0
Story2	275	307	DStIS15	Combination	0	0	20.2287	0	0	0
Story2	275	307	DStIS16	Combination	0	0	18.948	0	0	0
Story2	275	307	DStIS17	Combination	0	0	19.3686	0	0	0
Story2	275	307	DStIS18	Combination	0	0	8.6148	0	0	0
Story2	275	307	DStIS19	Combination	0	0	14.6321	0	0	0
Story2	275	307	DStIS20	Combination	0	0	13.3513	0	0	0
Story2	275	307	DStID1	Combination	0	0	13.9917	0	0	0
Story2	275	307	DStID2	Combination	0	0	16.5649	0	0	0
Story2	275	307	DSIbS1	Combination	0	0	19.5884	0	0	0
Story2	275	307	DSIbS2	Combination	0	0	23.7056	0	0	0
Story2	275	307	DSIbS3	Combination	0	0	21.4714	0	0	0
Story2	275	307	DSIbS4	Combination	0	0	18.2845	0	0	0
Story2	275	307	DSIbS5	Combination	0	0	21.4474	0	0	0
Story2	275	307	DSIbS6	Combination	0	0	17.7293	0	0	0
Story2	275	307	DSIbS7	Combination	0	0	15.8507	0	0	0
Story2	275	307	DSIbS8	Combination	0	0	12.1327	0	0	0
Story2	275	307	DSIbS9	Combination	0	0	24.4867	0	0	0
Story2	275	307	DSIbS10	Combination	0	0	15.2692	0	0	0
Story2	275	307	DSIbS11	Combination	0	0	20.4268	0	0	0

Table 5.4 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Base	15	71	DSIbS16	Combination	-1.0781	13.5305	170.8554	-42.7901	-1.8046	-0.6376
Base	15	71	DSIbS17	Combination	-8.3665	-0.524	137.5048	-11.7632	-14.9292	-0.3868
Base	15	71	DSIbS18	Combination	5.9617	0.1923	122.2359	-13.1751	10.695	0.8527
Base	15	71	DSIbS19	Combination	-1.8077	-13.9285	140.8335	12.8641	-3.2765	1.1967
Base	15	71	DSIbS20	Combination	-0.5971	13.5968	118.9072	-37.8024	-0.9577	-0.7308

5.4 Modal Results

Table 5.5 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	5090709.534	0	1.234E-06	0
Modal	2	5090709.534	0	1.234E-06	0
Modal	3	5090709.534	0	1.234E-06	0
Modal	4	5090709.534	0	1.234E-06	0
Modal	5	5090709.534	0	1.234E-06	0
Modal	6	5090709.534	0	1.234E-06	0
Modal	7	5090709.534	0	1.234E-06	0
Modal	8	5090709.534	0	1.234E-06	0
Modal	9	5087979.572	0	1.235E-06	0
Modal	10	5087979.572	0	1.235E-06	0
Modal	11	5087979.572	0	1.235E-06	0
Modal	12	5087979.572	0	1.235E-06	0

Table 5.6 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY
Modal	1	5090709.534	0.0159	0.0001	0	0.0159	0.0001	0	4.537E-05	0.0049
Modal	2	5090709.534	0.011	0.0005	0	0.0269	0.0007	0	0.0002	0.0034
Modal	3	5090709.534	8.764E-06	0.0065	0	0.0269	0.0072	0	0.002	2.687E-06
Modal	4	5090709.534	0.0002	0.0072	0	0.0271	0.0144	0	0.0022	4.873E-05
Modal	5	5090709.534	0.0007	0.0103	0	0.0278	0.0247	0	0.0032	0.0002
Modal	6	5090709.534	2.973E-05	1.382E-06	0	0.0278	0.0247	0	0	9.113E-06
Modal	7	5090709.534	0.0003	0.0033	0	0.0281	0.028	0	0.001	0.0001
Modal	8	5090709.534	0.0011	0.0012	0	0.0292	0.0292	0	0.0004	0.0003
Modal	9	5087979.572	0.0086	0.0045	0	0.0378	0.0337	0	0.0014	0.0026
Modal	10	5087979.572	3.707E-06	0.0022	0	0.0379	0.0359	0	0.0007	1.136E-06
Modal	11	5087979.572	0.0002	0.002	0	0.0381	0.0379	0	0.0006	0.0001
Modal	12	5087979.572	0.0023	0.005	0	0.0404	0.0429	0	0.0015	0.0007

Table 5.6 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	RZ	SumRX	SumRY	SumRZ
Modal	1	8.923E-06	4.537E-05	0.0049	8.923E-06
Modal	2	0.0018	0.0002	0.0083	0.0018
Modal	3	0.0012	0.0022	0.0083	0.003
Modal	4	0.0002	0.0044	0.0083	0.0032
Modal	5	0.0006	0.0076	0.0085	0.0038
Modal	6	0.0059	0.0076	0.0085	0.0097
Modal	7	0.002	0.0086	0.0086	0.0117

Table 5.6 - Modal Participating Mass Ratios (Part 2 of 2, continued)

Case	Mode	RZ	SumRX	SumRY	SumRZ
Modal	8	0.0051	0.009	0.009	0.0169
Modal	9	0.002	0.0103	0.0116	0.0189
Modal	10	2.092E-05	0.011	0.0116	0.0189
Modal	11	0.0035	0.0116	0.0117	0.0224
Modal	12	1.719E-05	0.0131	0.0124	0.0224

Table 5.7 - Modal Load Participation Ratios

Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	69.19	4.04
Modal	Acceleration	UY	73.39	4.29
Modal	Acceleration	UZ	0	0

Table 5.8 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	5090709.534	0.991	0.009	0	0
Modal	2	5090709.534	0.955	0.045	0	0
Modal	3	5090709.534	0.001	0.999	0	0
Modal	4	5090709.534	0.021	0.979	0	0
Modal	5	5090709.534	0.061	0.939	0	0
Modal	6	5090709.534	0.956	0.044	0	0
Modal	7	5090709.534	0.085	0.915	0	0
Modal	8	5090709.534	0.487	0.513	0	0
Modal	9	5087979.572	0.658	0.342	0	0
Modal	10	5087979.572	0.002	0.998	0	0
Modal	11	5087979.572	0.103	0.897	0	0
Modal	12	5087979.572	0.32	0.68	0	0

6 Design Data

This chapter provides design data and results.

6.1 Steel Frame Design

Table 6.1 - Steel Frame Design Preferences - BS 5950-2000

Item	Value
Multi-Response Design	Step-by-Step - All
Frame Type	Moment Frame
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 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 1 of 4)

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Check Deflection?	Deflection Type
Story4	C113	481	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C1	2	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C3	7	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C4	8	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C8	37	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C9	38	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C14	104	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C16	107	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C17	108	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C21	120	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C22	122	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C27	161	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C29	163	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C30	164	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C34	174	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C35	175	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C40	212	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C42	214	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C43	215	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C47	225	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C48	226	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C53	263	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C55	265	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C56	266	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C60	276	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C61	277	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C66	314	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C68	316	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C69	317	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C73	327	Column	Program Determined	Program Determined	Program Determined	Program Determined

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 1 of 4, continued)

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Check Deflection?	Deflection Type
Story4	C74	328	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C79	376	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C81	378	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C82	379	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C86	389	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C87	390	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C106	430	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C122	432	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C123	433	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C127	443	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C128	444	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C134	483	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C135	484	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C139	494	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C140	495	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C145	532	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C147	534	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C148	535	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C152	545	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C153	546	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C158	583	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C160	585	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C161	586	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C165	596	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	C166	597	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C2	3	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C5	12	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C6	13	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C7	17	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C10	42	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C11	43	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C12	47	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C13	48	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C15	105	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C18	109	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C19	110	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C20	112	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C23	123	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C24	124	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C25	125	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C26	127	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C28	162	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C31	165	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C32	166	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C33	167	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C36	176	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C37	177	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C38	178	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C39	179	Column	Program Determined	Program Determined	Program Determined	Program Determined

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 1 of 4, continued)

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Check Deflection?	Deflection Type
Story3	C149	536	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C150	537	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C151	538	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C154	547	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C155	548	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C156	549	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C157	550	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C159	584	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C162	587	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C163	588	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C164	589	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C167	598	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C168	599	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C169	600	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story3	C170	601	Column	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B37	73	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B38	74	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B39	77	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B51	93	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B52	94	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B53	95	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B69	138	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B70	139	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B71	140	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B83	152	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B84	153	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B85	154	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B101	189	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B102	190	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B103	191	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B115	203	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B116	204	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B117	205	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B138	240	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B139	241	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B140	242	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B152	254	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B153	255	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B154	256	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B170	291	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B171	292	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B172	293	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B184	305	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B185	306	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B186	307	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B202	342	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B203	343	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B204	344	Beam	Program Determined	Program Determined	Program Determined	Program Determined
Story4	B216	360	Beam	Program Determined	Program Determined	Program Determined	Program Determined

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 1 of 4, continued)

Story	Label	Unique Name	Design Type	Design Section	Frame Type	Check Deflection?	Deflection Type
Story4	D70	602	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story4	D71	603	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D3	27	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D6	57	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D9	115	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D12	130	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D15	170	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D18	182	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D21	221	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D24	233	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D27	272	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D30	284	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D33	323	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D36	335	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D39	385	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D42	397	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D51	439	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D54	451	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D57	490	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D60	502	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D63	541	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D66	553	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D69	592	Brace	Program Determined	Program Determined	Program Determined	Program Determined
Story3	D72	604	Brace	Program Determined	Program Determined	Program Determined	Program Determined

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4, continued)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4, continued)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4, continued)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4, continued)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4, continued)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4, continued)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 2 of 4, continued)

DL Ratio	SDL+LL Ratio	LL Ratio	Total Ratio	Camber Ratio	Specified Camber mm	Net Area Ratio	LLRF	Unbraced Length Ratio Major	Unbraced Length Ratio Minor	Effective Length Factor Major
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 3 of 4)

Uniform Moment Factor (m Major)	Uniform Moment Factor (m Minor)	Eqv. Uniform Moment factor (mLT)	Yield stress, Fy MPa	Compressive Capacity, Pc kN	Tensile Capacity, Pt kN	Major Bending Capacity, Mc3 kN-m	Minor Bending Capacity, Mc2 kN-m	Buckling Resistance Moment, Mb kN-m	Major Shear Capacity, Pv2 kN
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 3 of 4, continued)

Uniform Moment Factor (m Major)	Uniform Moment Factor (m Minor)	Eqv. Uniform Moment factor (mLT)	Yield stress, F_y MPa	Compressive Capacity, P_c kN	Tensile Capacity, P_t kN	Major Bending Capacity, M_{c3} kN-m	Minor Bending Capacity, M_{c2} kN-m	Buckling Resistance Moment, M_b kN-m	Major Shear Capacity, P_{v2} kN
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 3 of 4, continued)

Uniform Moment Factor (m Major)	Uniform Moment Factor (m Minor)	Eqv. Uniform Moment factor (mLT)	Yield stress, Fy MPa	Compressive Capacity, Pc kN	Tensile Capacity, Pt kN	Major Bending Capacity, Mc3 kN-m	Minor Bending Capacity, Mc2 kN-m	Buckling Resistance Moment, Mb kN-m	Major Shear Capacity, Pv2 kN
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 3 of 4, continued)

Uniform Moment Factor (m Major)	Uniform Moment Factor (m Minor)	Eqv. Uniform Moment factor (mLT)	Yield stress, F_y MPa	Compressive Capacity, P_c kN	Tensile Capacity, P_t kN	Major Bending Capacity, M_{c3} kN-m	Minor Bending Capacity, M_{c2} kN-m	Buckling Resistance Moment, M_b kN-m	Major Shear Capacity, P_v2 kN
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 3 of 4, continued)

Uniform Moment Factor (m Major)	Uniform Moment Factor (m Minor)	Eqv. Uniform Moment factor (mLT)	Yield stress, Fy MPa	Compressive Capacity, Pc kN	Tensile Capacity, Pt kN	Major Bending Capacity, Mc3 kN-m	Minor Bending Capacity, Mc2 kN-m	Buckling Resistance Moment, Mb kN-m	Major Shear Capacity, Pv2 kN
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 3 of 4, continued)

Uniform Moment Factor (m Major)	Uniform Moment Factor (m Minor)	Eqv. Uniform Moment factor (mLT)	Yield stress, F_y MPa	Compressive Capacity, P_c kN	Tensile Capacity, P_t kN	Major Bending Capacity, M_{c3} kN-m	Minor Bending Capacity, M_{c2} kN-m	Buckling Resistance Moment, M_b kN-m	Major Shear Capacity, P_v2 kN
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Table 6.2 - Steel Frame Design Overwrites - BS 5950-2000 (Part 3 of 4, continued)

Uniform Moment Factor (m Major)	Uniform Moment Factor (m Minor)	Eqv. Uniform Moment factor (mLT)	Yield stress, F_y MPa	Compressive Capacity, P_c kN	Tensile Capacity, P_t kN	Major Bending Capacity, M_{c3} kN-m	Minor Bending Capacity, M_{c2} kN-m	Buckling Resistance Moment, M_b kN-m	Major Shear Capacity, P_v2 kN
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Table 6.3 - Steel Column Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
164	Story4	C30	RHS 40*40,3MM	0.164 = 0.106 + 4.85E-04 + 0.057	DStIS2	0.001	0.013
174	Story4	C34	RHS 40*40,3MM	0.187 = 0.135 + 0.002 + 0.05	DStIS2	0.003	0.009
175	Story4	C35	RHS 40*40,3MM	0.164 = 0.106 + 4.742E-04 + 0.057	DStIS2	0.001	0.013
212	Story4	C40	RHS 40*40,3MM	0.168 = 0.128 + 0.04 + 0	DStIS10	0.005	0.0003174
214	Story4	C42	RHS 40*40,3MM	0.19 = 0.138 + 2.264E-04 + 0.052	DStIS2	0.003	0.01
215	Story4	C43	RHS 40*40,3MM	0.168 = 0.108 + 2.448E-04 + 0.059	DStIS2	0.001	0.014
225	Story4	C47	RHS 40*40,3MM	0.19 = 0.138 + 2.271E-04 + 0.052	DStIS2	0.003	0.01
226	Story4	C48	RHS 40*40,3MM	0.168 = 0.108 + 2.362E-04 + 0.059	DStIS2	0.001	0.014
263	Story4	C53	RHS 40*40,3MM	0.169 = 0.132 + 0.038 + 0	DStIS10	0.005	0.0003203
265	Story4	C55	RHS 40*40,3MM	0.19 = 0.137 + 0 + 0.053	DStIS2	0.003	0.01
266	Story4	C56	RHS 40*40,3MM	0.167 = 0.107 + 0 + 0.06	DStIS2	0.001	0.014
276	Story4	C60	RHS 40*40,3MM	0.19 = 0.137 + 0 + 0.053	DStIS2	0.003	0.01
277	Story4	C61	RHS 40*40,3MM	0.167 = 0.107 + 0 + 0.06	DStIS2	0.001	0.014
314	Story4	C66	RHS 40*40,3MM	0.171 = 0.132 + 0.038 + 0	DStIS10	0.005	0.0003226
316	Story4	C68	RHS 40*40,3MM	0.19 = 0.137 + 0 + 0.053	DStIS2	0.003	0.01
317	Story4	C69	RHS 40*40,3MM	0.168 = 0.108 + 0 + 0.06	DStIS2	0.001	0.014
327	Story4	C73	RHS 40*40,3MM	0.19 = 0.137 + 0 + 0.053	DStIS2	0.003	0.01
328	Story4	C74	RHS 40*40,3MM	0.168 = 0.108 + 0 + 0.06	DStIS2	0.001	0.014
376	Story4	C79	RHS 40*40,3MM	0.169 = 0.132 + 0.038 + 0	DStIS9	0.005	0.0003218
378	Story4	C81	RHS 40*40,3MM	0.19 = 0.137 + 0 + 0.053	DStIS2	0.003	0.01
379	Story4	C82	RHS 40*40,3MM	0.167 = 0.107 + 0 + 0.06	DStIS2	0.001	0.014
389	Story4	C86	RHS 40*40,3MM	0.19 = 0.137 + 0 + 0.053	DStIS2	0.003	0.01
390	Story4	C87	RHS 40*40,3MM	0.167 = 0.107 + 0 + 0.06	DStIS2	0.001	0.014
430	Story4	C106	RHS 40*40,3MM	0.168 = 0.128 + 0.04 + 0	DStIS9	0.005	0.0003224
432	Story4	C122	RHS 40*40,3MM	0.19 = 0.138 + 2.082E-04 + 0.052	DStIS2	0.003	0.01
433	Story4	C123	RHS 40*40,3MM	0.168 = 0.108 + 2.083E-04 + 0.059	DStIS2	0.001	0.014
443	Story4	C127	RHS 40*40,3MM	0.19 = 0.138 + 2.344E-04 + 0.052	DStIS2	0.003	0.01
444	Story4	C128	RHS 40*40,3MM	0.168 = 0.108 + 2.468E-04 + 0.059	DStIS2	0.001	0.014
483	Story4	C134	RHS 40*40,3MM	0.187 = 0.135 + 0.002 + 0.05	DStIS2	0.003	0.009
484	Story4	C135	RHS 40*40,3MM	0.164 = 0.106 + 4.581E-04 + 0.057	DStIS2	0.001	0.013
494	Story4	C139	RHS 40*40,3MM	0.187 = 0.135 + 0.002 + 0.05	DStIS2	0.003	0.009
495	Story4	C140	RHS 40*40,3MM	0.164 = 0.106 + 4.827E-04 + 0.057	DStIS2	0.001	0.013
532	Story4	C145	RHS 40*40,3MM	0.223 = 0.121 + 0.102 + 0	DStIS9	0.011	0.000289
534	Story4	C147	RHS 40*40,3MM	0.209 = 0.149 + 0.008 + 0.052	DStIS2	0.003	0.01
535	Story4	C148	RHS 40*40,3MM	0.179 = 0.117 + 0.003 + 0.059	DStIS2	0.002	0.013
545	Story4	C152	RHS 40*40,3MM	0.209 = 0.149 + 0.008 + 0.052	DStIS2	0.003	0.01
546	Story4	C153	RHS 40*40,3MM	0.179 = 0.117 + 0.003 + 0.059	DStIS2	0.002	0.013
583	Story4	C158	RHS 40*40,3MM	0.478 = 0.074 + 0.404 + 0	DStIS2	0.039	0.0001794
585	Story4	C160	RHS 40*40,3MM	0.124 = 0.06 + 0.04 + 0.024	DStIS2	0.003	0.005
586	Story4	C161	RHS 40*40,3MM	0.102 = 0.047 + 0.034 + 0.021	DStIS2	0.007	0.006
596	Story4	C165	RHS 40*40,3MM	0.124 = 0.06 + 0.04 + 0.024	DStIS2	0.003	0.005
597	Story4	C166	RHS 40*40,3MM	0.102 = 0.047 + 0.034 + 0.021	DStIS2	0.007	0.006
3	Story3	C2	RHS 40*40,3MM	0.484 = 0.04 + 0.13 + 0.314	DStIS2	0.003	0.354
12	Story3	C5	RHS 40*40,3MM	0.097 = 0.031 + 0.038 + 0.027	DStIS2	0.006	0.011
13	Story3	C6	RHS 40*40,3MM	0.108 = 0.015 + 0.046 + 0.047	DStIS2	0.006	0.026
17	Story3	C7	RHS 40*40,3MM	0.109 = 0.005 + 0.092 + 0.011	DStIS2	0.006	0.024
42	Story3	C10	RHS 40*40,3MM	0.097 = 0.031 + 0.038 + 0.027	DStIS2	0.006	0.01
43	Story3	C11	RHS 40*40,3MM	0.108 = 0.015 + 0.046 + 0.047	DStIS2	0.006	0.026
47	Story3	C12	RHS 40*40,3MM	0.109 = 0.005 + 0.092 + 0.011	DStIS2	0.006	0.024

Table 6.3 - Steel Column Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
48	Story3	C13	RHS 40*40,3MM	0.485 = 0.04 + 0.13 + 0.315	DStIS2	0.003	0.355
105	Story3	C15	RHS 40*40,3MM	0.501 = 0.067 + 0.016 + 0.418	DStIS2	0.0003633	0.467
109	Story3	C18	RHS 40*40,3MM	0.173 = 0.081 + 0.002 + 0.089	DStIS2	0.0002982	0.025
110	Story3	C19	RHS 40*40,3MM	0.221 = 0.043 + 0.006 + 0.172	DStIS2	0.001	0.066
112	Story3	C20	RHS 40*40,3MM	0.15 = 0.002 + 0.009 + 0.139	DStIS11	0.001	0.088
123	Story3	C23	RHS 40*40,3MM	0.173 = 0.081 + 0.002 + 0.089	DStIS2	0.0002996	0.025
124	Story3	C24	RHS 40*40,3MM	0.221 = 0.043 + 0.006 + 0.172	DStIS2	0.001	0.066
125	Story3	C25	RHS 40*40,3MM	0.149 = 0.002 + 0.009 + 0.138	DStIS12	0.001	0.088
127	Story3	C26	RHS 40*40,3MM	0.502 = 0.067 + 0.016 + 0.42	DStIS2	0.0003603	0.469
162	Story3	C28	RHS 40*40,3MM	0.528 = 0.068 + 0.003 + 0.456	DStIS2	0.0003797	0.513
165	Story3	C31	RHS 40*40,3MM	0.16 = 0.073 + 0.001 + 0.086	DStIS2	0.001	0.025
166	Story3	C32	RHS 40*40,3MM	0.205 = 0.038 + 0.002 + 0.165	DStIS2	0.000348	0.064
167	Story3	C33	RHS 40*40,3MM	0.135 = 0.003 + 0.003 + 0.13	DStIS15	0.0002912	0.083
176	Story3	C36	RHS 40*40,3MM	0.16 = 0.073 + 0.001 + 0.086	DStIS2	0.001	0.024
177	Story3	C37	RHS 40*40,3MM	0.205 = 0.038 + 0.002 + 0.164	DStIS2	0.0003481	0.064
178	Story3	C38	RHS 40*40,3MM	0.135 = 0.003 + 0.003 + 0.129	DStIS16	0.0002888	0.082
179	Story3	C39	RHS 40*40,3MM	0.53 = 0.068 + 0.003 + 0.458	DStIS2	0.0003809	0.516
213	Story3	C41	RHS 40*40,3MM	0.527 = 0.069 + 0 + 0.458	DStIS2	0.0003098	0.515
216	Story3	C44	RHS 40*40,3MM	0.163 = 0.074 + 0 + 0.089	DStIS2	0.0002162	0.025
217	Story3	C45	RHS 40*40,3MM	0.208 = 0.039 + 1.846E-04 + 0.169	DStIS2	0.0002198	0.066
218	Story3	C46	RHS 40*40,3MM	0.138 = 0.003 + 2.192E-04 + 0.135	DStIS15	0.0001865	0.086
227	Story3	C49	RHS 40*40,3MM	0.163 = 0.074 + 0 + 0.089	DStIS2	0.0002176	0.025
228	Story3	C50	RHS 40*40,3MM	0.208 = 0.039 + 1.745E-04 + 0.169	DStIS2	0.000218	0.065
229	Story3	C51	RHS 40*40,3MM	0.137 = 0.003 + 2.079E-04 + 0.134	DStIS16	0.0001871	0.085
230	Story3	C52	RHS 40*40,3MM	0.529 = 0.069 + 0 + 0.461	DStIS2	0.0003062	0.517
264	Story3	C54	RHS 40*40,3MM	0.561 = 0.071 + 3.477E-04 + 0.489	DStIS2	0.0002599	0.552
267	Story3	C57	RHS 40*40,3MM	0.163 = 0.074 + 2.207E-04 + 0.09	DStIS2	0.0003355	0.026
268	Story3	C58	RHS 40*40,3MM	0.209 = 0.038 + 3.586E-04 + 0.17	DStIS2	0.0001172	0.066
269	Story3	C59	RHS 40*40,3MM	0.134 = 0.002 + 4.792E-04 + 0.131	DStIS15	0.0001148	0.084
278	Story3	C62	RHS 40*40,3MM	0.163 = 0.073 + 2.103E-04 + 0.09	DStIS2	0.0003344	0.026
279	Story3	C63	RHS 40*40,3MM	0.208 = 0.038 + 3.694E-04 + 0.17	DStIS2	0.0001176	0.066
280	Story3	C64	RHS 40*40,3MM	0.132 = 0.002 + 4.656E-04 + 0.129	DStIS16	0.0001129	0.083
281	Story3	C65	RHS 40*40,3MM	0.564 = 0.072 + 3.961E-04 + 0.492	DStIS2	0.0002576	0.554
315	Story3	C67	RHS 40*40,3MM	0.546 = 0.07 + 0 + 0.476	DStIS2	0.000269	0.538
318	Story3	C70	RHS 40*40,3MM	0.164 = 0.074 + 0 + 0.09	DStIS2	0.0001658	0.026
319	Story3	C71	RHS 40*40,3MM	0.209 = 0.038 + 0 + 0.171	DStIS2	0.0001673	0.066
320	Story3	C72	RHS 40*40,3MM	0.139 = 0.003 + 0 + 0.136	DStIS15	0.000137	0.087
329	Story3	C75	RHS 40*40,3MM	0.164 = 0.074 + 0 + 0.09	DStIS2	0.0001659	0.026
330	Story3	C76	RHS 40*40,3MM	0.209 = 0.038 + 0 + 0.171	DStIS2	0.0001659	0.066
331	Story3	C77	RHS 40*40,3MM	0.135 = 0.002 + 0 + 0.133	DStIS16	0.0001365	0.085
332	Story3	C78	RHS 40*40,3MM	0.548 = 0.07 + 0 + 0.477	DStIS2	0.0002648	0.536
377	Story3	C80	RHS 40*40,3MM	0.564 = 0.067 + 0.001 + 0.496	DStIS12	0.0002459	0.561
380	Story3	C83	RHS 40*40,3MM	0.163 = 0.073 + 1.965E-04 + 0.09	DStIS2	0.0003301	0.026
381	Story3	C84	RHS 40*40,3MM	0.208 = 0.038 + 3.7E-04 + 0.17	DStIS2	0.0001153	0.066
382	Story3	C85	RHS 40*40,3MM	0.136 = 0.003 + 3.743E-04 + 0.133	DStIS15	0.0001033	0.085
391	Story3	C88	RHS 40*40,3MM	0.163 = 0.073 + 2.156E-04 + 0.09	DStIS2	0.0003313	0.026
392	Story3	C89	RHS 40*40,3MM	0.208 = 0.038 + 3.581E-04 + 0.17	DStIS2	0.000113	0.066
393	Story3	C90	RHS 40*40,3MM	0.13 = 0.002 + 3.783E-04 + 0.128	DStIS16	0.0001058	0.082
394	Story3	C91	RHS 40*40,3MM	0.564 = 0.072 + 3.915E-04 + 0.492	DStIS2	0.000246	0.554

Table 6.3 - Steel Column Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
431	Story3	C121	RHS 40*40,3MM	0.537 = 0.065 + 1.426E-04 + 0.472	DStIS12	0.0002728	0.533
434	Story3	C124	RHS 40*40,3MM	0.163 = 0.074 + 0 + 0.089	DStIS2	0.0002249	0.025
435	Story3	C125	RHS 40*40,3MM	0.208 = 0.039 + 1.54E-04 + 0.169	DStIS2	0.0002099	0.065
436	Story3	C126	RHS 40*40,3MM	0.145 = 0.003 + 1.582E-04 + 0.142	DStIS15	0.0001722	0.09
445	Story3	C129	RHS 40*40,3MM	0.163 = 0.074 + 0 + 0.089	DStIS2	0.0002229	0.025
446	Story3	C130	RHS 40*40,3MM	0.208 = 0.039 + 1.752E-04 + 0.169	DStIS2	0.0002106	0.065
447	Story3	C131	RHS 40*40,3MM	0.134 = 0.002 + 1.674E-04 + 0.132	DStIS16	0.0001676	0.084
448	Story3	C132	RHS 40*40,3MM	0.531 = 0.069 + 0 + 0.462	DStIS2	0.0002843	0.519
482	Story3	C133	RHS 40*40,3MM	0.549 = 0.065 + 0.002 + 0.481	DStIS12	0.0003444	0.544
485	Story3	C136	RHS 40*40,3MM	0.16 = 0.073 + 0.001 + 0.086	DStIS2	0.0004932	0.024
486	Story3	C137	RHS 40*40,3MM	0.205 = 0.038 + 0.003 + 0.164	DStIS2	0.0003453	0.064
487	Story3	C138	RHS 40*40,3MM	0.148 = 0.004 + 0.003 + 0.141	DStIS15	0.0002587	0.089
496	Story3	C141	RHS 40*40,3MM	0.16 = 0.073 + 0.001 + 0.086	DStIS2	0.0004961	0.025
497	Story3	C142	RHS 40*40,3MM	0.205 = 0.038 + 0.002 + 0.165	DStIS2	0.0003434	0.064
498	Story3	C143	RHS 40*40,3MM	0.131 = 0.002 + 0.003 + 0.126	DStIS16	0.0002662	0.08
499	Story3	C144	RHS 40*40,3MM	0.532 = 0.069 + 0.003 + 0.46	DStIS2	0.0003455	0.518
533	Story3	C146	RHS 40*40,3MM	0.505 = 0.067 + 0.016 + 0.422	DStIS2	0.0003049	0.472
536	Story3	C149	RHS 40*40,3MM	0.173 = 0.081 + 0.002 + 0.089	DStIS2	0.0003172	0.025
537	Story3	C150	RHS 40*40,3MM	0.221 = 0.043 + 0.006 + 0.172	DStIS2	0.001	0.066
538	Story3	C151	RHS 40*40,3MM	0.156 = 0.004 + 0.008 + 0.144	DStIS15	0.001	0.091
547	Story3	C154	RHS 40*40,3MM	0.173 = 0.081 + 0.002 + 0.089	DStIS2	0.0003147	0.025
548	Story3	C155	RHS 40*40,3MM	0.221 = 0.043 + 0.006 + 0.172	DStIS2	0.001	0.066
549	Story3	C156	RHS 40*40,3MM	0.147 = 0.002 + 0.009 + 0.136	DStIS12	0.001	0.087
550	Story3	C157	RHS 40*40,3MM	0.504 = 0.067 + 0.016 + 0.421	DStIS2	0.0003022	0.471
584	Story3	C159	RHS 40*40,3MM	0.483 = 0.04 + 0.13 + 0.313	DStIS2	0.003	0.353
587	Story3	C162	RHS 40*40,3MM	0.097 = 0.031 + 0.038 + 0.027	DStIS2	0.006	0.011
588	Story3	C163	RHS 40*40,3MM	0.108 = 0.015 + 0.046 + 0.047	DStIS2	0.006	0.026
589	Story3	C164	RHS 40*40,3MM	0.109 = 0.005 + 0.092 + 0.011	DStIS2	0.006	0.024
598	Story3	C167	RHS 40*40,3MM	0.096 = 0.031 + 0.038 + 0.027	DStIS2	0.006	0.01
599	Story3	C168	RHS 40*40,3MM	0.108 = 0.015 + 0.046 + 0.047	DStIS2	0.006	0.026
600	Story3	C169	RHS 40*40,3MM	0.109 = 0.006 + 0.093 + 0.011	DStIS2	0.006	0.023
601	Story3	C170	RHS 40*40,3MM	0.486 = 0.04 + 0.13 + 0.316	DStIS2	0.003	0.356

Table 6.3 - Steel Column Envelope - BS 5950-2000 (Part 2 of 2)

UniqueName	Section Class	Cont. Plate cm2	DbL. Plate mm	B/C Ratio Major	B/C Ratio Minor
481	Class 1			0	0
2	Class 1				
7	Class 1				
8	Class 1				
37	Class 1				
38	Class 1				
104	Class 1			0	0
107	Class 1				
108	Class 1				
120	Class 1				
122	Class 1				
161	Class 1			0	0

Table 6.3 - Steel Column Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Cont. Plate cm2	Dbl. Plate mm	B/C Ratio Major	B/C Ratio Minor
163	Class 1				
164	Class 1				
174	Class 1				
175	Class 1				
212	Class 1			0	0
214	Class 1				
215	Class 1				
225	Class 1				
226	Class 1				
263	Class 1			0	0
265	Class 1				
266	Class 1				
276	Class 1				
277	Class 1				
314	Class 1			0	0
316	Class 1				
317	Class 1				
327	Class 1				
328	Class 1				
376	Class 1			0	0
378	Class 1				
379	Class 1				
389	Class 1				
390	Class 1				
430	Class 1			0	0
432	Class 1				
433	Class 1				
443	Class 1				
444	Class 1				
483	Class 1				
484	Class 1				
494	Class 1				
495	Class 1				
532	Class 1			0	0
534	Class 1				
535	Class 1				
545	Class 1				
546	Class 1				
583	Class 1				
585	Class 1				
586	Class 1				
596	Class 1				
597	Class 1				
3	Class 1				
12	Class 1				
13	Class 1				
17	Class 1				
42	Class 1				

Table 6.3 - Steel Column Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Cont. Plate cm2	DbI. Plate mm	B/C Ratio Major	B/C Ratio Minor
43	Class 1				
47	Class 1				
48	Class 1				
105	Class 1				
109	Class 1				
110	Class 1				
112	Class 1			0	0
123	Class 1				
124	Class 1				
125	Class 1			0	0
127	Class 1				
162	Class 1				
165	Class 1				
166	Class 1				
167	Class 1			0	0
176	Class 1				
177	Class 1				
178	Class 1			0	0
179	Class 1				
213	Class 1				
216	Class 1				
217	Class 1				
218	Class 1			0	0
227	Class 1				
228	Class 1				
229	Class 1			0	0
230	Class 1				
264	Class 1				
267	Class 1				
268	Class 1				
269	Class 1			0	0
278	Class 1				
279	Class 1				
280	Class 1			0	0
281	Class 1				
315	Class 1				
318	Class 1				
319	Class 1				
320	Class 1			0	0
329	Class 1				
330	Class 1				
331	Class 1			0	0
332	Class 1				
377	Class 1			0	0
380	Class 1				
381	Class 1				
382	Class 1			0	0
391	Class 1				

Table 6.3 - Steel Column Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Cont. Plate cm2	DbL. Plate mm	B/C Ratio Major	B/C Ratio Minor
392	Class 1				
393	Class 1			0	0
394	Class 1				
431	Class 1			0	0
434	Class 1				
435	Class 1				
436	Class 1			0	0
445	Class 1				
446	Class 1				
447	Class 1			0	0
448	Class 1				
482	Class 1			0	0
485	Class 1				
486	Class 1				
487	Class 1			0	0
496	Class 1				
497	Class 1				
498	Class 1			0	0
499	Class 1				
533	Class 1				
536	Class 1				
537	Class 1				
538	Class 1			0	0
547	Class 1				
548	Class 1				
549	Class 1			0	0
550	Class 1				
584	Class 1				
587	Class 1				
588	Class 1				
589	Class 1				
598	Class 1				
599	Class 1				
600	Class 1				
601	Class 1				

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
73	Story4	B37	60*40*3 RHSSTEEL	0.047 = 0.01 + 0.004 + 0.033	DStIS14	0.025	0.005
74	Story4	B38	60*40*3 RHSSTEEL	0.021 = 0.004 + 0.017 + 0.001	DStIS2	0.006	0.0001135
77	Story4	B39	60*40*3 RHSSTEEL	0.034 = 0.001 + 0.031 + 0.002	DStIS2	0.008	0.0001568
93	Story4	B51	60*40*3 RHSSTEEL	0.047 = 0.01 + 0.004 + 0.033	DStIS14	0.025	0.005
94	Story4	B52	60*40*3 RHSSTEEL	0.021 = 0.004 + 0.017 + 0.001	DStIS2	0.006	0.0001137
95	Story4	B53	60*40*3 RHSSTEEL	0.034 = 0.001 + 0.031 + 0.002	DStIS2	0.008	0.000157
138	Story4	B69	60*40*3 RHSSTEEL	0.045 = 0.002 + 0.043 + 0	DStIS2	0.048	0.007
139	Story4	B70	60*40*3 RHSSTEEL	0.044 = 0.001 + 0.042 + 0.002	DStIS2	0.014	0.0001985
140	Story4	B71	60*40*3 RHSSTEEL	0.068 = 0.001 + 0.065 + 0.001	DStIS2	0.016	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
152	Story4	B83	60*40*3 RHSSTEEL	0.045 = 0.002 + 0.043 + 0	DStIIS2	0.048	0.007
153	Story4	B84	60*40*3 RHSSTEEL	0.044 = 0.001 + 0.042 + 0.002	DStIIS2	0.014	0.0001987
154	Story4	B85	60*40*3 RHSSTEEL	0.068 = 0.001 + 0.065 + 0.001	DStIIS2	0.016	0
189	Story4	B101	60*40*3 RHSSTEEL	0.044 = 0.002 + 0.04 + 0.002	DStIIS2	0.048	0.006
190	Story4	B102	60*40*3 RHSSTEEL	0.041 = 0.003 + 0.038 + 1.551E-04	DStIIS2	0.013	0.0001841
191	Story4	B103	60*40*3 RHSSTEEL	0.07 = 0.005 + 0.064 + 0.001	DStIIS2	0.016	0
203	Story4	B115	60*40*3 RHSSTEEL	0.044 = 0.002 + 0.04 + 0.002	DStIIS2	0.048	0.006
204	Story4	B116	60*40*3 RHSSTEEL	0.041 = 0.003 + 0.038 + 1.538E-04	DStIIS2	0.013	0.0001844
205	Story4	B117	60*40*3 RHSSTEEL	0.07 = 0.005 + 0.064 + 0.001	DStIIS2	0.016	0
240	Story4	B138	60*40*3 RHSSTEEL	0.043 = 0.002 + 0.04 + 2.232E-04	DStIIS2	0.048	0.003
241	Story4	B139	60*40*3 RHSSTEEL	0.043 = 0.004 + 0.038 + 0.001	DStIIS2	0.013	0.000114
242	Story4	B140	60*40*3 RHSSTEEL	0.072 = 0.007 + 0.065 + 3.17E-04	DStIIS2	0.016	0
254	Story4	B152	60*40*3 RHSSTEEL	0.043 = 0.002 + 0.04 + 2.22E-04	DStIIS2	0.048	0.003
255	Story4	B153	60*40*3 RHSSTEEL	0.043 = 0.004 + 0.038 + 0.001	DStIIS2	0.013	0.0001143
256	Story4	B154	60*40*3 RHSSTEEL	0.072 = 0.007 + 0.065 + 3.182E-04	DStIIS2	0.016	0
291	Story4	B170	60*40*3 RHSSTEEL	0.042 = 0.001 + 0.04 + 0.001	DStIIS2	0.048	0.002
292	Story4	B171	60*40*3 RHSSTEEL	0.041 = 0.004 + 0.037 + 0	DStIIS2	0.013	0
293	Story4	B172	60*40*3 RHSSTEEL	0.074 = 0.007 + 0.066 + 3.389E-04	DStIIS2	0.016	0
305	Story4	B184	60*40*3 RHSSTEEL	0.042 = 0.001 + 0.04 + 0.001	DStIIS2	0.048	0.002
306	Story4	B185	60*40*3 RHSSTEEL	0.041 = 0.004 + 0.037 + 0	DStIIS2	0.013	0
307	Story4	B186	60*40*3 RHSSTEEL	0.074 = 0.007 + 0.066 + 3.437E-04	DStIIS2	0.016	0
342	Story4	B202	60*40*3 RHSSTEEL	0.042 = 0.002 + 0.04 + 0	DStIIS2	0.048	0.0003946
343	Story4	B203	60*40*3 RHSSTEEL	0.041 = 0.004 + 0.037 + 0	DStIIS2	0.013	0
344	Story4	B204	60*40*3 RHSSTEEL	0.074 = 0.008 + 0.066 + 0	DStIIS2	0.016	0
360	Story4	B216	60*40*3 RHSSTEEL	0.042 = 0.002 + 0.04 + 0	DStIIS2	0.048	0.0003848
361	Story4	B217	60*40*3 RHSSTEEL	0.041 = 0.004 + 0.037 + 0	DStIIS2	0.013	0
362	Story4	B218	60*40*3 RHSSTEEL	0.074 = 0.008 + 0.066 + 0	DStIIS2	0.016	0
407	Story4	B234	60*40*3 RHSSTEEL	0.042 = 0.001 + 0.04 + 0.001	DStIIS2	0.048	0.002
408	Story4	B235	60*40*3 RHSSTEEL	0.041 = 0.004 + 0.037 + 0	DStIIS2	0.013	0
409	Story4	B236	60*40*3 RHSSTEEL	0.074 = 0.007 + 0.066 + 3.455E-04	DStIIS2	0.016	0
421	Story4	B248	60*40*3 RHSSTEEL	0.042 = 0.001 + 0.04 + 0.001	DStIIS2	0.048	0.002
422	Story4	B249	60*40*3 RHSSTEEL	0.041 = 0.004 + 0.037 + 0	DStIIS2	0.013	0
423	Story4	B250	60*40*3 RHSSTEEL	0.074 = 0.007 + 0.066 + 3.411E-04	DStIIS2	0.016	0
458	Story4	B266	60*40*3 RHSSTEEL	0.043 = 0.002 + 0.04 + 2.211E-04	DStIIS2	0.048	0.003
459	Story4	B267	60*40*3 RHSSTEEL	0.043 = 0.004 + 0.038 + 0.001	DStIIS2	0.013	0.0001143
460	Story4	B268	60*40*3 RHSSTEEL	0.072 = 0.007 + 0.065 + 3.204E-04	DStIIS2	0.016	0
472	Story4	B280	60*40*3 RHSSTEEL	0.043 = 0.002 + 0.04 + 2.237E-04	DStIIS2	0.048	0.003
473	Story4	B281	60*40*3 RHSSTEEL	0.043 = 0.004 + 0.038 + 0.001	DStIIS2	0.013	0.0001143
474	Story4	B282	60*40*3 RHSSTEEL	0.072 = 0.007 + 0.065 + 3.168E-04	DStIIS2	0.016	0
509	Story4	B298	60*40*3 RHSSTEEL	0.044 = 0.002 + 0.04 + 0.002	DStIIS2	0.048	0.005
510	Story4	B299	60*40*3 RHSSTEEL	0.041 = 0.003 + 0.038 + 1.49E-04	DStIIS2	0.013	0.0001837
511	Story4	B300	60*40*3 RHSSTEEL	0.07 = 0.005 + 0.064 + 0.001	DStIIS2	0.016	0
523	Story4	B312	60*40*3 RHSSTEEL	0.044 = 0.002 + 0.04 + 0.002	DStIIS2	0.048	0.006
524	Story4	B313	60*40*3 RHSSTEEL	0.041 = 0.003 + 0.038 + 1.554E-04	DStIIS2	0.013	0.0001845
525	Story4	B314	60*40*3 RHSSTEEL	0.07 = 0.005 + 0.064 + 0.001	DStIIS2	0.016	0
560	Story4	B330	60*40*3 RHSSTEEL	0.045 = 0.002 + 0.043 + 0	DStIIS2	0.048	0.007
561	Story4	B331	60*40*3 RHSSTEEL	0.044 = 0.001 + 0.042 + 0.002	DStIIS2	0.014	0.0001977
562	Story4	B332	60*40*3 RHSSTEEL	0.068 = 0.001 + 0.065 + 0.001	DStIIS2	0.016	0
574	Story4	B371	60*40*3 RHSSTEEL	0.045 = 0.002 + 0.043 + 0	DStIIS2	0.048	0.007

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
575	Story4	B372	60*40*3 RHSSTEEL	0.044 = 0.001 + 0.042 + 0.002	DStIS2	0.014	0.0001987
576	Story4	B373	60*40*3 RHSSTEEL	0.068 = 0.001 + 0.065 + 0.001	DStIS2	0.016	0
611	Story4	B389	60*40*3 RHSSTEEL	0.042 = 0.01 + 0.004 + 0.028	DStIS13	0.025	0.005
612	Story4	B390	60*40*3 RHSSTEEL	0.021 = 0.004 + 0.017 + 0.001	DStIS2	0.006	0.0001128
613	Story4	B391	60*40*3 RHSSTEEL	0.034 = 0.001 + 0.031 + 0.002	DStIS2	0.008	0.0001564
625	Story4	B403	60*40*3 RHSSTEEL	0.043 = 0.01 + 0.004 + 0.029	DStIS13	0.025	0.005
626	Story4	B404	60*40*3 RHSSTEEL	0.021 = 0.004 + 0.017 + 0.001	DStIS2	0.006	0.0001137
627	Story4	B405	60*40*3 RHSSTEEL	0.034 = 0.001 + 0.031 + 0.002	DStIS2	0.008	0.0001572
634	Story4	B412	RHS 40*40,3MM	0.508 = 0.01 + 0.498 + 0	DStIS2	0.086	0
635	Story4	B413	RHS 40*40,3MM	0.533 = 0.03 + 0.502 + 0	DStIS2	0.086	0
636	Story4	B414	RHS 40*40,3MM	0.559 = 0.061 + 0.498 + 0	DStIS2	0.086	0
637	Story4	B415	RHS 40*40,3MM	0.577 = 0.077 + 0.5 + 0	DStIS2	0.086	0
638	Story4	B416	RHS 40*40,3MM	0.583 = 0.084 + 0.499 + 0	DStIS2	0.086	0
639	Story4	B417	RHS 40*40,3MM	0.583 = 0.084 + 0.499 + 0	DStIS2	0.086	0
640	Story4	B418	RHS 40*40,3MM	0.577 = 0.077 + 0.5 + 0	DStIS2	0.086	0
641	Story4	B419	RHS 40*40,3MM	0.559 = 0.061 + 0.498 + 0	DStIS2	0.086	0
642	Story4	B420	RHS 40*40,3MM	0.533 = 0.031 + 0.502 + 0	DStIS2	0.086	0
643	Story4	B421	RHS 40*40,3MM	0.508 = 0.01 + 0.498 + 0	DStIS2	0.086	0
684	Story4	B462	RHS 40*40,3MM	0.614 = 0.001 + 0.581 + 0.031	DStIS2	0.098	0.004
685	Story4	B463	RHS 40*40,3MM	0.59 = 0.016 + 0.56 + 0.014	DStIS2	0.088	0.001
686	Story4	B464	RHS 40*40,3MM	0.522 = 0.027 + 0.494 + 0.001	DStIS2	0.085	0.0003255
687	Story4	B465	RHS 40*40,3MM	0.526 = 0.032 + 0.494 + 3.776E-04	DStIS2	0.085	0.0001875
688	Story4	B466	RHS 40*40,3MM	0.525 = 0.035 + 0.491 + 0	DStIS2	0.085	0.0001718
689	Story4	B467	RHS 40*40,3MM	0.525 = 0.035 + 0.491 + 0	DStIS2	0.085	0.0001717
690	Story4	B468	RHS 40*40,3MM	0.526 = 0.032 + 0.494 + 3.826E-04	DStIS2	0.085	0.0001878
691	Story4	B469	RHS 40*40,3MM	0.522 = 0.027 + 0.494 + 0.001	DStIS2	0.085	0.0003261
692	Story4	B470	RHS 40*40,3MM	0.59 = 0.016 + 0.56 + 0.014	DStIS2	0.088	0.001
693	Story4	B471	RHS 40*40,3MM	0.614 = 0.001 + 0.581 + 0.031	DStIS2	0.098	0.004
694	Story4	B472	RHS 40*40,3MM	0.609 = 0.002 + 0.58 + 0.027	DStIS2	0.097	0.004
695	Story4	B473	RHS 40*40,3MM	0.589 = 0.025 + 0.551 + 0.012	DStIS2	0.088	0.001
696	Story4	B474	RHS 40*40,3MM	0.543 = 0.041 + 0.501 + 0.001	DStIS2	0.087	0.0004489
697	Story4	B475	RHS 40*40,3MM	0.556 = 0.054 + 0.501 + 0.001	DStIS2	0.086	0.0003526
698	Story4	B476	RHS 40*40,3MM	0.557 = 0.058 + 0.499 + 1.48E-04	DStIS2	0.086	0.0003368
699	Story4	B477	RHS 40*40,3MM	0.557 = 0.058 + 0.499 + 1.485E-04	DStIS2	0.086	0.0003368
700	Story4	B478	RHS 40*40,3MM	0.556 = 0.054 + 0.501 + 0.001	DStIS2	0.086	0.0003527
701	Story4	B479	RHS 40*40,3MM	0.543 = 0.042 + 0.501 + 0.001	DStIS2	0.087	0.0004492
702	Story4	B480	RHS 40*40,3MM	0.589 = 0.026 + 0.551 + 0.012	DStIS2	0.088	0.001
703	Story4	B481	RHS 40*40,3MM	0.61 = 0.002 + 0.579 + 0.029	DStIS2	0.097	0.004
744	Story4	B522	RHS 40*40,3MM	0.614 = 0.001 + 0.581 + 0.031	DStIS2	0.098	0.004
745	Story4	B523	RHS 40*40,3MM	0.59 = 0.016 + 0.56 + 0.014	DStIS2	0.088	0.001
746	Story4	B524	RHS 40*40,3MM	0.522 = 0.027 + 0.494 + 0.001	DStIS2	0.085	0.0003264
747	Story4	B525	RHS 40*40,3MM	0.526 = 0.032 + 0.494 + 3.811E-04	DStIS2	0.085	0.0001875
748	Story4	B526	RHS 40*40,3MM	0.525 = 0.035 + 0.491 + 0	DStIS2	0.085	0.0001713
749	Story4	B527	RHS 40*40,3MM	0.525 = 0.035 + 0.491 + 0	DStIS2	0.085	0.0001713
750	Story4	B528	RHS 40*40,3MM	0.526 = 0.032 + 0.494 + 3.807E-04	DStIS2	0.085	0.0001875
751	Story4	B529	RHS 40*40,3MM	0.522 = 0.027 + 0.494 + 0.001	DStIS2	0.085	0.000326
752	Story4	B530	RHS 40*40,3MM	0.59 = 0.016 + 0.56 + 0.014	DStIS2	0.088	0.001
753	Story4	B531	RHS 40*40,3MM	0.615 = 0.001 + 0.58 + 0.033	DStIS2	0.098	0.005
754	Story4	B532	RHS 40*40,3MM	0.609 = 0.002 + 0.58 + 0.027	DStIS2	0.097	0.004

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
755	Story4	B533	RHS 40*40,3MM	0.589 = 0.025 + 0.551 + 0.012	DStIS2	0.088	0.001
756	Story4	B534	RHS 40*40,3MM	0.543 = 0.041 + 0.501 + 0.001	DStIS2	0.087	0.0004494
757	Story4	B535	RHS 40*40,3MM	0.556 = 0.054 + 0.501 + 0.001	DStIS2	0.086	0.0003525
758	Story4	B536	RHS 40*40,3MM	0.557 = 0.058 + 0.499 + 1.484E-04	DStIS2	0.086	0.0003366
759	Story4	B537	RHS 40*40,3MM	0.557 = 0.058 + 0.499 + 1.466E-04	DStIS2	0.086	0.0003366
760	Story4	B538	RHS 40*40,3MM	0.556 = 0.054 + 0.501 + 0.001	DStIS2	0.086	0.0003525
761	Story4	B539	RHS 40*40,3MM	0.543 = 0.042 + 0.501 + 0.001	DStIS2	0.087	0.0004492
762	Story4	B540	RHS 40*40,3MM	0.589 = 0.026 + 0.551 + 0.012	DStIS2	0.088	0.001
763	Story4	B541	RHS 40*40,3MM	0.61 = 0.002 + 0.579 + 0.029	DStIS2	0.097	0.004
28	Story3	B28	RHS 40*40,3MM	0.127 = 0.084 + 0.013 + 0.031	DStIS2	0.002	0.003
32	Story3	B29	RHS 40*40,3MM	0.091 = 0.04 + 0.045 + 0.006	DStIS2	0.005	0.002
33	Story3	B30	60*40*3 RHSSTEEL	0.311 = 0.044 + 0.214 + 0.053	DStIS2	0.042	0.007
58	Story3	B31	RHS 40*40,3MM	0.127 = 0.084 + 0.013 + 0.031	DStIS2	0.002	0.003
62	Story3	B32	RHS 40*40,3MM	0.091 = 0.04 + 0.045 + 0.006	DStIS2	0.005	0.002
63	Story3	B33	60*40*3 RHSSTEEL	0.285 = 0.053 + 0.232 + 2.182E-04	DStIS12	0.043	0.000216
67	Story3	B34	60*40*3 RHSSTEEL	0.106 = 0.046 + 0.059 + 0.001	DStIS2	0.011	0.0004519
68	Story3	B35	60*40*3 RHSSTEEL	0.074 = 0.034 + 0.039 + 0.001	DStIS2	0.01	0.0003228
72	Story3	B36	60*40*3 RHSSTEEL	0.037 = 0.02 + 0.017 + 0.001	DStIS2	0.008	0.0003151
78	Story3	B40	60*40*3 RHSSTEEL	0.311 = 0.045 + 0.213 + 0.053	DStIS2	0.042	0.007
79	Story3	B41	60*40*3 RHSSTEEL	0.187 = 0.11 + 0.06 + 0.017	DStIS2	0.007	0.005
82	Story3	B42	60*40*3 RHSSTEEL	0.173 = 0.11 + 0.059 + 0.004	DStIS2	0.006	0.001
83	Story3	B43	60*40*3 RHSSTEEL	0.123 = 0.083 + 0.02 + 0.02	DStIS2	0.002	0.003
84	Story3	B44	60*40*3 RHSSTEEL	0.055 = 0.041 + 0.012 + 0.002	DStIS11	0.002	0.001
85	Story3	B45	60*40*3 RHSSTEEL	0.056 = 0.015 + 0.006 + 0.035	DStIS2	0.001	0.002
87	Story3	B46	60*40*3 RHSSTEEL	0.128 = 0.07 + 0.008 + 0.05	DStIS2	0.003	0.006
88	Story3	B47	60*40*3 RHSSTEEL	0.286 = 0.053 + 0.233 + 2.076E-04	DStIS11	0.043	0.0002145
89	Story3	B48	60*40*3 RHSSTEEL	0.106 = 0.046 + 0.059 + 0.001	DStIS2	0.011	0.0004525
90	Story3	B49	60*40*3 RHSSTEEL	0.074 = 0.034 + 0.039 + 0.001	DStIS2	0.01	0.0003229
92	Story3	B50	60*40*3 RHSSTEEL	0.037 = 0.02 + 0.017 + 0.001	DStIS2	0.008	0.0003154
97	Story3	B54	60*40*3 RHSSTEEL	0.187 = 0.109 + 0.061 + 0.017	DStIS2	0.007	0.005
98	Story3	B55	60*40*3 RHSSTEEL	0.172 = 0.109 + 0.059 + 0.004	DStIS2	0.006	0.001
99	Story3	B56	60*40*3 RHSSTEEL	0.123 = 0.083 + 0.02 + 0.02	DStIS2	0.002	0.003
100	Story3	B57	60*40*3 RHSSTEEL	0.055 = 0.041 + 0.012 + 0.002	DStIS12	0.002	0.001
102	Story3	B58	60*40*3 RHSSTEEL	0.056 = 0.015 + 0.006 + 0.035	DStIS2	0.001	0.002
103	Story3	B59	60*40*3 RHSSTEEL	0.128 = 0.07 + 0.008 + 0.05	DStIS2	0.003	0.006
117	Story3	B60	RHS 40*40,3MM	0.251 = 0.221 + 0.026 + 0.004	DStIS2	0.003	0.0004964
118	Story3	B61	RHS 40*40,3MM	0.225 = 0.132 + 0.091 + 0.002	DStIS2	0.01	0.0004763
119	Story3	B62	60*40*3 RHSSTEEL	0.676 = 0.166 + 0.502 + 0.008	DStIS2	0.072	0.001
132	Story3	B63	RHS 40*40,3MM	0.251 = 0.221 + 0.026 + 0.004	DStIS2	0.003	0.0004919
133	Story3	B64	RHS 40*40,3MM	0.225 = 0.132 + 0.091 + 0.002	DStIS2	0.01	0.000471
134	Story3	B65	60*40*3 RHSSTEEL	0.51 = 0.005 + 0.505 + 0.001	DStIS2	0.077	0
135	Story3	B66	60*40*3 RHSSTEEL	0.116 = 0 + 0.116 + 0	DStIS2	0.014	0.000263
136	Story3	B67	60*40*3 RHSSTEEL	0.084 = 0.004 + 0.078 + 0.002	DStIS2	0.021	0.0002984
137	Story3	B68	60*40*3 RHSSTEEL	0.046 = 0.003 + 0.042 + 0.001	DStIS2	0.016	0.00031
141	Story3	B72	60*40*3 RHSSTEEL	0.675 = 0.167 + 0.5 + 0.009	DStIS2	0.072	0.001
142	Story3	B73	60*40*3 RHSSTEEL	0.36 = 0.255 + 0.1 + 0.005	DStIS2	0.007	0.001
143	Story3	B74	60*40*3 RHSSTEEL	0.359 = 0.241 + 0.118 + 0	DStIS2	0.013	0.000335
144	Story3	B75	60*40*3 RHSSTEEL	0.199 = 0.157 + 0.04 + 0.002	DStIS2	0.005	0.0002487
145	Story3	B76	60*40*3 RHSSTEEL	0.072 = 0.047 + 0.022 + 0.002	DStIS11	0.004	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
146	Story3	B77	60*40*3 RHSSTEEL	0.128 = 0.112 + 0.01 + 0.006	DStIS2	0.003	0.001
147	Story3	B78	60*40*3 RHSSTEEL	0.326 = 0.273 + 0.052 + 0.001	DStIS2	0.007	0.004
148	Story3	B79	60*40*3 RHSSTEEL	0.512 = 0.005 + 0.507 + 0.001	DStIS2	0.077	0
149	Story3	B80	60*40*3 RHSSTEEL	0.116 = 0 + 0.116 + 0	DStIS2	0.014	0.0002632
150	Story3	B81	60*40*3 RHSSTEEL	0.084 = 0.004 + 0.078 + 0.002	DStIS2	0.021	0.0002987
151	Story3	B82	60*40*3 RHSSTEEL	0.046 = 0.003 + 0.042 + 0.001	DStIS2	0.016	0.0003102
155	Story3	B86	60*40*3 RHSSTEEL	0.358 = 0.254 + 0.099 + 0.005	DStIS2	0.007	0.001
156	Story3	B87	60*40*3 RHSSTEEL	0.358 = 0.241 + 0.118 + 0	DStIS2	0.013	0.0003348
157	Story3	B88	60*40*3 RHSSTEEL	0.199 = 0.157 + 0.04 + 0.002	DStIS2	0.005	0.0002494
158	Story3	B89	60*40*3 RHSSTEEL	0.071 = 0.047 + 0.022 + 0.002	DStIS12	0.004	0
159	Story3	B90	60*40*3 RHSSTEEL	0.128 = 0.112 + 0.01 + 0.006	DStIS2	0.003	0.001
160	Story3	B91	60*40*3 RHSSTEEL	0.326 = 0.273 + 0.052 + 0.001	DStIS2	0.007	0.004
171	Story3	B92	RHS 40*40,3MM	0.225 = 0.197 + 0.026 + 0.001	DStIS2	0.003	0.0003121
172	Story3	B93	RHS 40*40,3MM	0.204 = 0.112 + 0.09 + 0.003	DStIS2	0.01	0.001
173	Story3	B94	60*40*3 RHSSTEEL	0.521 = 0.15 + 0.369 + 0.002	DStIS2	0.073	0.0002469
183	Story3	B95	RHS 40*40,3MM	0.225 = 0.197 + 0.026 + 0.001	DStIS2	0.003	0.0003127
184	Story3	B96	RHS 40*40,3MM	0.204 = 0.111 + 0.09 + 0.002	DStIS2	0.01	0.001
185	Story3	B97	60*40*3 RHSSTEEL	0.41 = 0.009 + 0.401 + 1.219E-04	DStIS12	0.077	0
186	Story3	B98	60*40*3 RHSSTEEL	0.116 = 0.004 + 0.112 + 0	DStIS2	0.014	0
187	Story3	B99	60*40*3 RHSSTEEL	0.08 = 0.002 + 0.077 + 0.001	DStIS2	0.021	0.000202
188	Story3	B100	60*40*3 RHSSTEEL	0.041 = 0.001 + 0.039 + 0.001	DStIS2	0.016	0.0002464
192	Story3	B104	60*40*3 RHSSTEEL	0.52 = 0.151 + 0.366 + 0.002	DStIS2	0.073	0.0002512
193	Story3	B105	60*40*3 RHSSTEEL	0.35 = 0.24 + 0.108 + 0.002	DStIS11	0.007	0.0003604
194	Story3	B106	60*40*3 RHSSTEEL	0.353 = 0.236 + 0.116 + 0.001	DStIS2	0.013	0.0002674
195	Story3	B107	60*40*3 RHSSTEEL	0.203 = 0.164 + 0.039 + 2.081E-04	DStIS2	0.005	0.0002013
196	Story3	B108	60*40*3 RHSSTEEL	0.088 = 0.065 + 0.023 + 0.001	DStIS11	0.004	0.0002489
197	Story3	B109	60*40*3 RHSSTEEL	0.087 = 0.073 + 0.013 + 2.579E-04	DStIS2	0.002	0.001
198	Story3	B110	60*40*3 RHSSTEEL	0.268 = 0.219 + 0.048 + 4.161E-04	DStIS2	0.006	0.003
199	Story3	B111	60*40*3 RHSSTEEL	0.413 = 0.009 + 0.404 + 1.549E-04	DStIS11	0.077	0
200	Story3	B112	60*40*3 RHSSTEEL	0.116 = 0.004 + 0.112 + 0	DStIS2	0.015	0
201	Story3	B113	60*40*3 RHSSTEEL	0.08 = 0.002 + 0.077 + 0.001	DStIS2	0.021	0.0002021
202	Story3	B114	60*40*3 RHSSTEEL	0.041 = 0.001 + 0.039 + 0.001	DStIS2	0.016	0.0002467
206	Story3	B118	60*40*3 RHSSTEEL	0.348 = 0.239 + 0.107 + 0.002	DStIS12	0.007	0.0003598
207	Story3	B119	60*40*3 RHSSTEEL	0.353 = 0.236 + 0.116 + 0.001	DStIS2	0.013	0.0002674
208	Story3	B122	60*40*3 RHSSTEEL	0.203 = 0.164 + 0.038 + 2.058E-04	DStIS2	0.005	0.0001989
209	Story3	B123	60*40*3 RHSSTEEL	0.088 = 0.065 + 0.023 + 0.001	DStIS12	0.004	0.0002492
210	Story3	B125	60*40*3 RHSSTEEL	0.087 = 0.073 + 0.013 + 2.57E-04	DStIS2	0.002	0.001
211	Story3	B128	60*40*3 RHSSTEEL	0.268 = 0.219 + 0.048 + 4.193E-04	DStIS2	0.006	0.003
222	Story3	B129	RHS 40*40,3MM	0.23 = 0.201 + 0.028 + 0.001	DStIS2	0.003	0.0004347
223	Story3	B130	RHS 40*40,3MM	0.207 = 0.114 + 0.093 + 0.001	DStIS2	0.01	0.0002876
224	Story3	B131	60*40*3 RHSSTEEL	0.674 = 0.162 + 0.512 + 4.186E-04	DStIS2	0.073	0.0001954
234	Story3	B132	RHS 40*40,3MM	0.229 = 0.201 + 0.028 + 0.001	DStIS2	0.003	0.0004303
235	Story3	B133	RHS 40*40,3MM	0.207 = 0.113 + 0.093 + 0.001	DStIS2	0.01	0.0002886
236	Story3	B134	60*40*3 RHSSTEEL	0.535 = 0.008 + 0.527 + 1.865E-04	DStIS12	0.078	0
237	Story3	B135	60*40*3 RHSSTEEL	0.124 = 0.007 + 0.116 + 0	DStIS2	0.014	0
238	Story3	B136	60*40*3 RHSSTEEL	0.086 = 0.006 + 0.08 + 2.447E-04	DStIS2	0.021	0.0001163
239	Story3	B137	60*40*3 RHSSTEEL	0.04 = 1.812E-04 + 0.039 + 0.001	DStIS2	0.016	0.0001429
243	Story3	B141	60*40*3 RHSSTEEL	0.673 = 0.163 + 0.509 + 3.929E-04	DStIS2	0.073	0.0001946
244	Story3	B142	60*40*3 RHSSTEEL	0.364 = 0.25 + 0.113 + 3.104E-04	DStIS11	0.007	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
245	Story3	B143	60*40*3 RHSSTEEL	0.368 = 0.248 + 0.12 + 1.356E-04	DStIS2	0.014	0.0001747
246	Story3	B144	60*40*3 RHSSTEEL	0.215 = 0.174 + 0.041 + 1.691E-04	DStIS2	0.005	0.0001776
247	Story3	B145	60*40*3 RHSSTEEL	0.096 = 0.072 + 0.024 + 1.173E-04	DStIS11	0.004	0
248	Story3	B146	60*40*3 RHSSTEEL	0.081 = 0.067 + 0.013 + 1.273E-04	DStIS2	0.003	0.001
249	Story3	B147	60*40*3 RHSSTEEL	0.266 = 0.216 + 0.049 + 2.014E-04	DStIS2	0.006	0.003
250	Story3	B148	60*40*3 RHSSTEEL	0.537 = 0.008 + 0.529 + 2.12E-04	DStIS11	0.078	0
251	Story3	B149	60*40*3 RHSSTEEL	0.124 = 0.007 + 0.116 + 0	DStIS2	0.015	0
252	Story3	B150	60*40*3 RHSSTEEL	0.086 = 0.006 + 0.08 + 2.468E-04	DStIS2	0.021	0.0001164
253	Story3	B151	60*40*3 RHSSTEEL	0.04 = 1.826E-04 + 0.039 + 0.001	DStIS2	0.016	0.0001432
257	Story3	B155	60*40*3 RHSSTEEL	0.362 = 0.249 + 0.112 + 2.998E-04	DStIS12	0.007	0
258	Story3	B156	60*40*3 RHSSTEEL	0.367 = 0.247 + 0.12 + 1.362E-04	DStIS2	0.014	0.0001722
259	Story3	B157	60*40*3 RHSSTEEL	0.214 = 0.174 + 0.04 + 1.743E-04	DStIS2	0.005	0.0001781
260	Story3	B158	60*40*3 RHSSTEEL	0.095 = 0.071 + 0.024 + 1.169E-04	DStIS12	0.004	0
261	Story3	B159	60*40*3 RHSSTEEL	0.081 = 0.068 + 0.013 + 1.284E-04	DStIS2	0.003	0.001
262	Story3	B160	60*40*3 RHSSTEEL	0.266 = 0.216 + 0.049 + 2.014E-04	DStIS2	0.006	0.003
273	Story3	B161	RHS 40*40,3MM	0.228 = 0.199 + 0.029 + 3.863E-04	DStIS2	0.003	0.0001851
274	Story3	B162	RHS 40*40,3MM	0.204 = 0.108 + 0.096 + 0.001	DStIS2	0.01	0.0003403
275	Story3	B163	60*40*3 RHSSTEEL	0.544 = 0.158 + 0.386 + 2.685E-04	DStIS2	0.076	0.0001069
285	Story3	B164	RHS 40*40,3MM	0.227 = 0.198 + 0.029 + 4.071E-04	DStIS2	0.003	0.0001864
286	Story3	B165	RHS 40*40,3MM	0.204 = 0.108 + 0.096 + 0.001	DStIS2	0.01	0.0003358
287	Story3	B166	60*40*3 RHSSTEEL	0.436 = 0.009 + 0.427 + 0	DStIS12	0.08	0
288	Story3	B167	60*40*3 RHSSTEEL	0.124 = 0.008 + 0.116 + 0	DStIS2	0.016	0
289	Story3	B168	60*40*3 RHSSTEEL	0.089 = 0.007 + 0.082 + 1.706E-04	DStIS2	0.021	0
290	Story3	B169	60*40*3 RHSSTEEL	0.04 = 0.001 + 0.038 + 3.356E-04	DStIS2	0.016	0
294	Story3	B173	60*40*3 RHSSTEEL	0.543 = 0.159 + 0.384 + 2.828E-04	DStIS2	0.076	0.0001096
295	Story3	B174	60*40*3 RHSSTEEL	0.364 = 0.254 + 0.109 + 4.404E-04	DStIS11	0.008	0.0001388
296	Story3	B175	60*40*3 RHSSTEEL	0.375 = 0.251 + 0.123 + 1.877E-04	DStIS2	0.014	0.0001745
297	Story3	B176	60*40*3 RHSSTEEL	0.222 = 0.181 + 0.041 + 1.192E-04	DStIS2	0.005	0.0001459
298	Story3	B177	60*40*3 RHSSTEEL	0.103 = 0.079 + 0.024 + 0	DStIS11	0.004	0.0002401
299	Story3	B178	60*40*3 RHSSTEEL	0.071 = 0.06 + 0.01 + 0	DStIS12	0.003	0.001
300	Story3	B179	60*40*3 RHSSTEEL	0.254 = 0.205 + 0.049 + 2.388E-04	DStIS2	0.006	0.003
301	Story3	B180	60*40*3 RHSSTEEL	0.437 = 0.009 + 0.428 + 0	DStIS11	0.08	0
302	Story3	B181	60*40*3 RHSSTEEL	0.124 = 0.008 + 0.116 + 0	DStIS2	0.016	0
303	Story3	B182	60*40*3 RHSSTEEL	0.089 = 0.007 + 0.082 + 1.492E-04	DStIS2	0.021	0
304	Story3	B183	60*40*3 RHSSTEEL	0.04 = 0.001 + 0.038 + 3.117E-04	DStIS2	0.016	0
308	Story3	B187	60*40*3 RHSSTEEL	0.362 = 0.253 + 0.108 + 4.477E-04	DStIS12	0.008	0.0001382
309	Story3	B188	60*40*3 RHSSTEEL	0.374 = 0.251 + 0.123 + 1.858E-04	DStIS2	0.014	0.0001746
310	Story3	B189	60*40*3 RHSSTEEL	0.222 = 0.181 + 0.041 + 1.117E-04	DStIS2	0.005	0.0001434
311	Story3	B190	60*40*3 RHSSTEEL	0.102 = 0.078 + 0.024 + 0	DStIS12	0.004	0.00024
312	Story3	B191	60*40*3 RHSSTEEL	0.07 = 0.06 + 0.01 + 0	DStIS11	0.003	0.001
313	Story3	B192	60*40*3 RHSSTEEL	0.254 = 0.205 + 0.049 + 2.38E-04	DStIS2	0.006	0.003
324	Story3	B193	RHS 40*40,3MM	0.228 = 0.2 + 0.029 + 0	DStIS2	0.003	0.0003721
325	Story3	B194	RHS 40*40,3MM	0.206 = 0.11 + 0.095 + 0	DStIS2	0.01	0.0002269
326	Story3	B195	60*40*3 RHSSTEEL	0.686 = 0.164 + 0.522 + 0	DStIS2	0.075	0.000165
336	Story3	B196	RHS 40*40,3MM	0.228 = 0.2 + 0.029 + 0	DStIS2	0.003	0.0003699
337	Story3	B197	RHS 40*40,3MM	0.205 = 0.11 + 0.095 + 0	DStIS2	0.01	0.0002249
338	Story3	B198	60*40*3 RHSSTEEL	0.554 = 0.009 + 0.545 + 1.231E-04	DStIS12	0.079	0
339	Story3	B199	60*40*3 RHSSTEEL	0.126 = 0.008 + 0.118 + 0	DStIS2	0.016	0
340	Story3	B200	60*40*3 RHSSTEEL	0.089 = 0.007 + 0.082 + 0	DStIS2	0.021	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
341	Story3	B201	60*40*3 RHSSTEEL	0.04 = 0.001 + 0.038 + 0	DStIS2	0.016	0
345	Story3	B205	60*40*3 RHSSTEEL	0.685 = 0.165 + 0.52 + 0	DStIS2	0.075	0.0001672
346	Story3	B206	60*40*3 RHSSTEEL	0.371 = 0.257 + 0.114 + 0	DStIS11	0.007	0
347	Story3	B207	60*40*3 RHSSTEEL	0.377 = 0.254 + 0.123 + 0	DStIS2	0.014	0.0001567
348	Story3	B208	60*40*3 RHSSTEEL	0.223 = 0.182 + 0.041 + 0	DStIS2	0.005	0.0001578
349	Story3	B209	60*40*3 RHSSTEEL	0.104 = 0.079 + 0.025 + 0	DStIS11	0.004	0
354	Story3	B210	60*40*3 RHSSTEEL	0.07 = 0.06 + 0.01 + 0	DStIS12	0.003	0.001
355	Story3	B211	60*40*3 RHSSTEEL	0.254 = 0.205 + 0.049 + 0	DStIS2	0.006	0.003
356	Story3	B212	60*40*3 RHSSTEEL	0.55 = 0.009 + 0.541 + 0	DStIS11	0.079	0
357	Story3	B213	60*40*3 RHSSTEEL	0.126 = 0.008 + 0.118 + 0	DStIS2	0.015	0
358	Story3	B214	60*40*3 RHSSTEEL	0.089 = 0.007 + 0.082 + 0	DStIS2	0.021	0
359	Story3	B215	60*40*3 RHSSTEEL	0.04 = 0.001 + 0.038 + 0	DStIS2	0.016	0
363	Story3	B219	60*40*3 RHSSTEEL	0.367 = 0.255 + 0.111 + 0	DStIS12	0.007	0
364	Story3	B220	60*40*3 RHSSTEEL	0.376 = 0.253 + 0.123 + 0	DStIS2	0.014	0.0001552
365	Story3	B221	60*40*3 RHSSTEEL	0.223 = 0.182 + 0.041 + 0	DStIS2	0.005	0.0001565
373	Story3	B222	60*40*3 RHSSTEEL	0.103 = 0.079 + 0.024 + 0	DStIS12	0.004	0
374	Story3	B223	60*40*3 RHSSTEEL	0.07 = 0.06 + 0.01 + 0	DStIS11	0.003	0.001
375	Story3	B224	60*40*3 RHSSTEEL	0.254 = 0.205 + 0.049 + 0	DStIS2	0.006	0.003
386	Story3	B225	RHS 40*40,3MM	0.227 = 0.198 + 0.029 + 4.12E-04	DStIS2	0.003	0.0001783
387	Story3	B226	RHS 40*40,3MM	0.204 = 0.108 + 0.096 + 0.001	DStIS2	0.01	0.0003223
388	Story3	B227	60*40*3 RHSSTEEL	0.545 = 0.158 + 0.387 + 2.921E-04	DStIS2	0.076	0.0001021
398	Story3	B228	RHS 40*40,3MM	0.227 = 0.198 + 0.029 + 3.942E-04	DStIS2	0.003	0.0001741
399	Story3	B229	RHS 40*40,3MM	0.204 = 0.108 + 0.096 + 0.001	DStIS2	0.01	0.0003262
400	Story3	B230	60*40*3 RHSSTEEL	0.443 = 0.009 + 0.434 + 0	DStIS12	0.08	0
404	Story3	B231	60*40*3 RHSSTEEL	0.124 = 0.008 + 0.116 + 0	DStIS2	0.017	0
405	Story3	B232	60*40*3 RHSSTEEL	0.089 = 0.007 + 0.083 + 1.5E-04	DStIS2	0.021	0
406	Story3	B233	60*40*3 RHSSTEEL	0.039 = 0.001 + 0.038 + 1.482E-04	DStIS2	0.016	0
410	Story3	B237	60*40*3 RHSSTEEL	0.545 = 0.158 + 0.386 + 2.974E-04	DStIS2	0.076	0.0001056
411	Story3	B238	60*40*3 RHSSTEEL	0.366 = 0.255 + 0.111 + 3.199E-04	DStIS11	0.009	0.0001399
412	Story3	B239	60*40*3 RHSSTEEL	0.375 = 0.251 + 0.123 + 1.805E-04	DStIS2	0.014	0.0001702
413	Story3	B240	60*40*3 RHSSTEEL	0.222 = 0.181 + 0.041 + 1.019E-04	DStIS2	0.005	0.0001348
414	Story3	B241	60*40*3 RHSSTEEL	0.103 = 0.079 + 0.024 + 0	DStIS11	0.004	0.0002364
415	Story3	B242	60*40*3 RHSSTEEL	0.07 = 0.06 + 0.01 + 0	DStIS12	0.003	0.001
416	Story3	B243	60*40*3 RHSSTEEL	0.253 = 0.204 + 0.049 + 2.371E-04	DStIS2	0.006	0.003
417	Story3	B244	60*40*3 RHSSTEEL	0.436 = 0.009 + 0.427 + 1.041E-04	DStIS11	0.08	0
418	Story3	B245	60*40*3 RHSSTEEL	0.124 = 0.008 + 0.116 + 0	DStIS2	0.016	0
419	Story3	B246	60*40*3 RHSSTEEL	0.089 = 0.007 + 0.083 + 1.651E-04	DStIS2	0.021	0
420	Story3	B247	60*40*3 RHSSTEEL	0.04 = 0.001 + 0.038 + 3.296E-04	DStIS2	0.016	0
424	Story3	B251	60*40*3 RHSSTEEL	0.361 = 0.253 + 0.107 + 2.874E-04	DStIS12	0.008	0.0001386
425	Story3	B252	60*40*3 RHSSTEEL	0.375 = 0.251 + 0.123 + 1.862E-04	DStIS2	0.014	0.0001681
426	Story3	B253	60*40*3 RHSSTEEL	0.222 = 0.181 + 0.041 + 1.18E-04	DStIS2	0.005	0.000138
427	Story3	B254	60*40*3 RHSSTEEL	0.103 = 0.079 + 0.024 + 0	DStIS12	0.004	0.0002355
428	Story3	B255	60*40*3 RHSSTEEL	0.07 = 0.06 + 0.01 + 0	DStIS11	0.003	0.001
429	Story3	B256	60*40*3 RHSSTEEL	0.253 = 0.204 + 0.049 + 2.4E-04	DStIS2	0.006	0.003
440	Story3	B257	RHS 40*40,3MM	0.229 = 0.201 + 0.028 + 0.001	DStIS2	0.003	0.0004056
441	Story3	B258	RHS 40*40,3MM	0.207 = 0.113 + 0.093 + 0.001	DStIS2	0.01	0.0002659
442	Story3	B259	60*40*3 RHSSTEEL	0.675 = 0.162 + 0.513 + 3.938E-04	DStIS2	0.074	0.0001743
452	Story3	B260	RHS 40*40,3MM	0.229 = 0.201 + 0.028 + 0.001	DStIS2	0.003	0.0004114
453	Story3	B261	RHS 40*40,3MM	0.207 = 0.113 + 0.093 + 0.001	DStIS2	0.01	0.0002617

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
454	Story3	B262	60*40*3 RHSSTEEL	0.555 = 0.007 + 0.547 + 4.727E-04	DStIS12	0.079	0
455	Story3	B263	60*40*3 RHSSTEEL	0.123 = 0.007 + 0.116 + 0	DStIS2	0.016	0
456	Story3	B264	60*40*3 RHSSTEEL	0.086 = 0.006 + 0.08 + 2.632E-04	DStIS2	0.021	0.000117
457	Story3	B265	60*40*3 RHSSTEEL	0.04 = 1.995E-04 + 0.039 + 0.001	DStIS2	0.016	0.0001434
461	Story3	B269	60*40*3 RHSSTEEL	0.676 = 0.161 + 0.515 + 0.001	DStIS2	0.074	0.0001849
462	Story3	B270	60*40*3 RHSSTEEL	0.37 = 0.252 + 0.117 + 4.345E-04	DStIS11	0.008	0
463	Story3	B271	60*40*3 RHSSTEEL	0.367 = 0.247 + 0.12 + 1.251E-04	DStIS2	0.014	0.0001582
464	Story3	B272	60*40*3 RHSSTEEL	0.215 = 0.174 + 0.04 + 1.64E-04	DStIS2	0.005	0.0001643
465	Story3	B273	60*40*3 RHSSTEEL	0.095 = 0.071 + 0.024 + 1.893E-04	DStIS11	0.004	0
466	Story3	B274	60*40*3 RHSSTEEL	0.08 = 0.067 + 0.013 + 1.242E-04	DStIS2	0.003	0.001
467	Story3	B275	60*40*3 RHSSTEEL	0.265 = 0.216 + 0.049 + 2.062E-04	DStIS2	0.006	0.003
468	Story3	B276	60*40*3 RHSSTEEL	0.534 = 0.008 + 0.526 + 3.693E-04	DStIS11	0.078	0
469	Story3	B277	60*40*3 RHSSTEEL	0.124 = 0.007 + 0.116 + 0	DStIS2	0.014	0
470	Story3	B278	60*40*3 RHSSTEEL	0.086 = 0.006 + 0.08 + 2.457E-04	DStIS2	0.021	0.0001165
471	Story3	B279	60*40*3 RHSSTEEL	0.04 = 1.829E-04 + 0.039 + 0.001	DStIS2	0.016	0.0001433
475	Story3	B283	60*40*3 RHSSTEEL	0.361 = 0.25 + 0.111 + 3.747E-04	DStIS12	0.007	0
476	Story3	B284	60*40*3 RHSSTEEL	0.368 = 0.247 + 0.12 + 1.364E-04	DStIS2	0.014	0.0001614
477	Story3	B285	60*40*3 RHSSTEEL	0.215 = 0.174 + 0.04 + 1.737E-04	DStIS2	0.005	0.0001637
478	Story3	B286	60*40*3 RHSSTEEL	0.096 = 0.072 + 0.024 + 1.772E-04	DStIS12	0.004	0
479	Story3	B287	60*40*3 RHSSTEEL	0.08 = 0.067 + 0.013 + 1.3E-04	DStIS2	0.003	0.001
480	Story3	B288	60*40*3 RHSSTEEL	0.265 = 0.216 + 0.049 + 2.001E-04	DStIS2	0.006	0.003
491	Story3	B289	RHS 40*40,3MM	0.224 = 0.197 + 0.026 + 0.001	DStIS2	0.003	0.0002836
492	Story3	B290	RHS 40*40,3MM	0.203 = 0.11 + 0.09 + 0.002	DStIS2	0.01	0.0004743
493	Story3	B291	60*40*3 RHSSTEEL	0.522 = 0.15 + 0.37 + 0.002	DStIS2	0.073	0.0002235
503	Story3	B292	RHS 40*40,3MM	0.224 = 0.197 + 0.026 + 0.001	DStIS2	0.003	0.0002788
504	Story3	B293	RHS 40*40,3MM	0.204 = 0.111 + 0.09 + 0.003	DStIS2	0.01	0.0004841
505	Story3	B294	60*40*3 RHSSTEEL	0.439 = 0.009 + 0.43 + 0.001	DStIS12	0.078	0
506	Story3	B295	60*40*3 RHSSTEEL	0.116 = 0.004 + 0.111 + 0	DStIS2	0.016	0
507	Story3	B296	60*40*3 RHSSTEEL	0.08 = 0.002 + 0.077 + 0.001	DStIS2	0.021	0.0002012
508	Story3	B297	60*40*3 RHSSTEEL	0.041 = 0.001 + 0.039 + 0.001	DStIS2	0.016	0.0002463
512	Story3	B301	60*40*3 RHSSTEEL	0.524 = 0.148 + 0.374 + 0.002	DStIS2	0.074	0.0002226
513	Story3	B302	60*40*3 RHSSTEEL	0.359 = 0.243 + 0.115 + 0.002	DStIS11	0.008	0.0003648
514	Story3	B303	60*40*3 RHSSTEEL	0.353 = 0.236 + 0.116 + 0.001	DStIS2	0.013	0.0002502
515	Story3	B304	60*40*3 RHSSTEEL	0.203 = 0.164 + 0.038 + 1.996E-04	DStIS2	0.005	0.0001745
516	Story3	B305	60*40*3 RHSSTEEL	0.088 = 0.065 + 0.023 + 0.001	DStIS11	0.004	0.0002377
517	Story3	B306	60*40*3 RHSSTEEL	0.086 = 0.073 + 0.013 + 2.567E-04	DStIS2	0.002	0.001
518	Story3	B307	60*40*3 RHSSTEEL	0.267 = 0.219 + 0.048 + 4.214E-04	DStIS2	0.006	0.003
519	Story3	B308	60*40*3 RHSSTEEL	0.41 = 0.009 + 0.4 + 3.459E-04	DStIS11	0.077	0
520	Story3	B309	60*40*3 RHSSTEEL	0.116 = 0.004 + 0.112 + 0	DStIS2	0.014	0
521	Story3	B310	60*40*3 RHSSTEEL	0.08 = 0.002 + 0.077 + 0.001	DStIS2	0.021	0.0002021
522	Story3	B311	60*40*3 RHSSTEEL	0.041 = 0.001 + 0.039 + 0.001	DStIS2	0.016	0.0002466
526	Story3	B315	60*40*3 RHSSTEEL	0.346 = 0.24 + 0.105 + 0.002	DStIS12	0.006	0.0003638
527	Story3	B316	60*40*3 RHSSTEEL	0.354 = 0.236 + 0.116 + 0.001	DStIS2	0.013	0.0002475
528	Story3	B317	60*40*3 RHSSTEEL	0.203 = 0.165 + 0.039 + 2.087E-04	DStIS2	0.005	0.0001789
529	Story3	B318	60*40*3 RHSSTEEL	0.09 = 0.067 + 0.023 + 0.001	DStIS12	0.004	0.0002357
530	Story3	B319	60*40*3 RHSSTEEL	0.086 = 0.073 + 0.013 + 2.577E-04	DStIS2	0.002	0.001
531	Story3	B320	60*40*3 RHSSTEEL	0.267 = 0.219 + 0.048 + 4.165E-04	DStIS2	0.006	0.003
542	Story3	B321	RHS 40*40,3MM	0.251 = 0.221 + 0.026 + 0.004	DStIS2	0.003	0.0004449
543	Story3	B322	RHS 40*40,3MM	0.224 = 0.132 + 0.091 + 0.002	DStIS2	0.01	0.0004058

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
544	Story3	B323	60*40*3 RHSSTEEL	0.677 = 0.166 + 0.503 + 0.009	DStIS2	0.072	0.001
554	Story3	B324	RHS 40*40,3MM	0.251 = 0.221 + 0.026 + 0.004	DStIS2	0.003	0.000452
555	Story3	B325	RHS 40*40,3MM	0.225 = 0.132 + 0.091 + 0.002	DStIS2	0.01	0.0004165
556	Story3	B326	60*40*3 RHSSTEEL	0.514 = 0.005 + 0.509 + 0.001	DStIS2	0.077	0
557	Story3	B327	60*40*3 RHSSTEEL	0.116 = 0 + 0.116 + 0	DStIS2	0.014	0.0002611
558	Story3	B328	60*40*3 RHSSTEEL	0.084 = 0.004 + 0.079 + 0.002	DStIS2	0.021	0.0002981
559	Story3	B329	60*40*3 RHSSTEEL	0.046 = 0.003 + 0.042 + 0.001	DStIS2	0.016	0.0003086
563	Story3	B333	60*40*3 RHSSTEEL	0.678 = 0.166 + 0.504 + 0.008	DStIS2	0.072	0.001
564	Story3	B334	60*40*3 RHSSTEEL	0.363 = 0.242 + 0.117 + 0.004	DStIS11	0.008	0.001
565	Story3	B335	60*40*3 RHSSTEEL	0.358 = 0.241 + 0.118 + 0	DStIS2	0.013	0.0003094
566	Story3	B336	60*40*3 RHSSTEEL	0.199 = 0.157 + 0.04 + 0.002	DStIS2	0.005	0.0002227
567	Story3	B337	60*40*3 RHSSTEEL	0.072 = 0.047 + 0.022 + 0.002	DStIS11	0.004	0
568	Story3	B365	60*40*3 RHSSTEEL	0.128 = 0.111 + 0.01 + 0.006	DStIS2	0.003	0.001
569	Story3	B366	60*40*3 RHSSTEEL	0.326 = 0.272 + 0.052 + 0.001	DStIS2	0.007	0.004
570	Story3	B367	60*40*3 RHSSTEEL	0.513 = 0.005 + 0.508 + 0.001	DStIS2	0.077	0
571	Story3	B368	60*40*3 RHSSTEEL	0.116 = 0 + 0.116 + 0	DStIS2	0.013	0.0002632
572	Story3	B369	60*40*3 RHSSTEEL	0.084 = 0.004 + 0.079 + 0.002	DStIS2	0.021	0.0002984
573	Story3	B370	60*40*3 RHSSTEEL	0.046 = 0.003 + 0.042 + 0.001	DStIS2	0.016	0.0003101
577	Story3	B374	60*40*3 RHSSTEEL	0.358 = 0.254 + 0.098 + 0.005	DStIS2	0.007	0.001
578	Story3	B375	60*40*3 RHSSTEEL	0.358 = 0.241 + 0.118 + 0	DStIS2	0.013	0.0003067
579	Story3	B376	60*40*3 RHSSTEEL	0.199 = 0.157 + 0.04 + 0.002	DStIS2	0.005	0.0002179
580	Story3	B377	60*40*3 RHSSTEEL	0.072 = 0.048 + 0.022 + 0.002	DStIS12	0.004	0
581	Story3	B378	60*40*3 RHSSTEEL	0.128 = 0.111 + 0.01 + 0.006	DStIS2	0.003	0.001
582	Story3	B379	60*40*3 RHSSTEEL	0.326 = 0.272 + 0.052 + 0.001	DStIS2	0.007	0.004
593	Story3	B380	RHS 40*40,3MM	0.127 = 0.084 + 0.013 + 0.031	DStIS2	0.002	0.002
594	Story3	B381	RHS 40*40,3MM	0.091 = 0.04 + 0.045 + 0.006	DStIS2	0.005	0.002
595	Story3	B382	60*40*3 RHSSTEEL	0.312 = 0.044 + 0.215 + 0.053	DStIS2	0.042	0.007
605	Story3	B383	RHS 40*40,3MM	0.127 = 0.084 + 0.013 + 0.031	DStIS2	0.002	0.003
606	Story3	B384	RHS 40*40,3MM	0.091 = 0.04 + 0.045 + 0.006	DStIS2	0.005	0.002
607	Story3	B385	60*40*3 RHSSTEEL	0.285 = 0.052 + 0.232 + 1.807E-04	DStIS12	0.043	0.0001472
608	Story3	B386	60*40*3 RHSSTEEL	0.105 = 0.046 + 0.059 + 0.001	DStIS2	0.011	0.0004536
609	Story3	B387	60*40*3 RHSSTEEL	0.073 = 0.034 + 0.039 + 0.001	DStIS2	0.01	0.0003203
610	Story3	B388	60*40*3 RHSSTEEL	0.037 = 0.02 + 0.017 + 0.001	DStIS2	0.008	0.0003144
614	Story3	B392	60*40*3 RHSSTEEL	0.31 = 0.045 + 0.212 + 0.053	DStIS2	0.042	0.007
615	Story3	B393	60*40*3 RHSSTEEL	0.187 = 0.11 + 0.06 + 0.017	DStIS2	0.007	0.005
616	Story3	B394	60*40*3 RHSSTEEL	0.173 = 0.11 + 0.059 + 0.004	DStIS2	0.006	0.001
617	Story3	B395	60*40*3 RHSSTEEL	0.123 = 0.083 + 0.02 + 0.02	DStIS2	0.002	0.003
618	Story3	B396	60*40*3 RHSSTEEL	0.055 = 0.041 + 0.012 + 0.002	DStIS11	0.002	0.001
619	Story3	B397	60*40*3 RHSSTEEL	0.056 = 0.015 + 0.006 + 0.035	DStIS2	0.001	0.002
620	Story3	B398	60*40*3 RHSSTEEL	0.128 = 0.07 + 0.008 + 0.05	DStIS2	0.003	0.006
621	Story3	B399	60*40*3 RHSSTEEL	0.286 = 0.053 + 0.233 + 2.063E-04	DStIS11	0.043	0.0001534
622	Story3	B400	60*40*3 RHSSTEEL	0.106 = 0.046 + 0.059 + 0.001	DStIS2	0.011	0.0004516
623	Story3	B401	60*40*3 RHSSTEEL	0.074 = 0.034 + 0.039 + 0.001	DStIS2	0.01	0.0003231
624	Story3	B402	60*40*3 RHSSTEEL	0.037 = 0.02 + 0.017 + 0.001	DStIS2	0.008	0.0003151
628	Story3	B406	60*40*3 RHSSTEEL	0.187 = 0.109 + 0.061 + 0.017	DStIS2	0.007	0.005
629	Story3	B407	60*40*3 RHSSTEEL	0.172 = 0.109 + 0.059 + 0.004	DStIS2	0.006	0.001
630	Story3	B408	60*40*3 RHSSTEEL	0.123 = 0.083 + 0.02 + 0.02	DStIS2	0.002	0.003
631	Story3	B409	60*40*3 RHSSTEEL	0.055 = 0.04 + 0.012 + 0.002	DStIS12	0.002	0.001
632	Story3	B410	60*40*3 RHSSTEEL	0.056 = 0.015 + 0.006 + 0.035	DStIS2	0.001	0.002

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
633	Story3	B411	60*40*3 RHSSTEEL	$0.128 = 0.07 + 0.008 + 0.05$	DStlS2	0.003	0.006
644	Story3	B422	RHS 40*40,3MM	$0.591 = 0.01 + 0.56 + 0.021$	DStlS2	0.096	0.003
645	Story3	B423	RHS 40*40,3MM	$0.56 = 0.01 + 0.536 + 0.013$	DStlS2	0.088	0.0004786
646	Story3	B424	RHS 40*40,3MM	$0.52 = 0.021 + 0.498 + 1.088E-04$	DStlS2	0.086	0
647	Story3	B425	RHS 40*40,3MM	$0.525 = 0.023 + 0.501 + 0.001$	DStlS2	0.086	0
648	Story3	B426	RHS 40*40,3MM	$0.528 = 0.026 + 0.501 + 0.001$	DStlS2	0.086	0
649	Story3	B427	RHS 40*40,3MM	$0.528 = 0.026 + 0.501 + 0.001$	DStlS2	0.086	0
650	Story3	B428	RHS 40*40,3MM	$0.525 = 0.023 + 0.501 + 0.001$	DStlS2	0.086	0
651	Story3	B429	RHS 40*40,3MM	$0.52 = 0.021 + 0.499 + 1.639E-04$	DStlS2	0.086	0
652	Story3	B430	RHS 40*40,3MM	$0.56 = 0.01 + 0.537 + 0.013$	DStlS2	0.088	0.0004865
653	Story3	B431	RHS 40*40,3MM	$0.592 = 0.01 + 0.559 + 0.023$	DStlS2	0.096	0.003
654	Story3	B432	RHS 40*40,3MM	$0.609 = 0.005 + 0.577 + 0.027$	DStlS2	0.099	0.004
655	Story3	B433	RHS 40*40,3MM	$0.584 = 0.003 + 0.561 + 0.02$	DStlS2	0.089	0.001
656	Story3	B434	RHS 40*40,3MM	$0.512 = 0.011 + 0.5 + 0.001$	DStlS2	0.087	0.0001419
657	Story3	B435	RHS 40*40,3MM	$0.515 = 0.014 + 0.501 + 3.943E-04$	DStlS2	0.086	0
658	Story3	B436	RHS 40*40,3MM	$0.515 = 0.015 + 0.5 + 2.319E-04$	DStlS2	0.086	0
659	Story3	B437	RHS 40*40,3MM	$0.515 = 0.015 + 0.5 + 2.421E-04$	DStlS2	0.086	0
660	Story3	B438	RHS 40*40,3MM	$0.515 = 0.014 + 0.501 + 3.721E-04$	DStlS2	0.086	0
661	Story3	B439	RHS 40*40,3MM	$0.512 = 0.011 + 0.5 + 0.001$	DStlS2	0.087	0.0001441
662	Story3	B440	RHS 40*40,3MM	$0.584 = 0.003 + 0.561 + 0.02$	DStlS2	0.089	0.001
663	Story3	B441	RHS 40*40,3MM	$0.609 = 0.005 + 0.577 + 0.027$	DStlS2	0.099	0.004
664	Story3	B442	RHS 40*40,3MM	$0.616 = 0.004 + 0.583 + 0.029$	DStlS2	0.1	0.005
665	Story3	B443	RHS 40*40,3MM	$0.594 = 0.001 + 0.57 + 0.023$	DStlS2	0.089	0.001
666	Story3	B444	RHS 40*40,3MM	$0.504 = 0.002 + 0.501 + 0.001$	DStlS2	0.087	0.0001922
667	Story3	B445	RHS 40*40,3MM	$0.506 = 0.004 + 0.502 + 0.001$	DStlS2	0.086	0
668	Story3	B446	RHS 40*40,3MM	$0.503 = 0.005 + 0.499 + 0$	DStlS2	0.086	0
669	Story3	B447	RHS 40*40,3MM	$0.503 = 0.005 + 0.499 + 0$	DStlS2	0.086	0
670	Story3	B448	RHS 40*40,3MM	$0.506 = 0.004 + 0.502 + 0.001$	DStlS2	0.086	0
671	Story3	B449	RHS 40*40,3MM	$0.504 = 0.002 + 0.501 + 0.001$	DStlS2	0.087	0.0001944
672	Story3	B450	RHS 40*40,3MM	$0.594 = 0.001 + 0.57 + 0.023$	DStlS2	0.089	0.001
673	Story3	B451	RHS 40*40,3MM	$0.617 = 0.003 + 0.583 + 0.031$	DStlS2	0.1	0.005
674	Story3	B452	RHS 40*40,3MM	$0.36 = 0.001 + 0.333 + 0.025$	DStlS2	0.057	0.004
675	Story3	B453	RHS 40*40,3MM	$0.358 = 0.004 + 0.33 + 0.023$	DStlS2	0.048	0.001
676	Story3	B454	RHS 40*40,3MM	$0.276 = 0.012 + 0.262 + 0.001$	DStlS2	0.046	0.0002379
677	Story3	B455	RHS 40*40,3MM	$0.275 = 0.011 + 0.263 + 0.001$	DStlS2	0.045	0
678	Story3	B456	RHS 40*40,3MM	$0.271 = 0.012 + 0.259 + 0$	DStlS2	0.045	0
679	Story3	B457	RHS 40*40,3MM	$0.271 = 0.012 + 0.259 + 0$	DStlS2	0.045	0
680	Story3	B458	RHS 40*40,3MM	$0.275 = 0.011 + 0.263 + 0.001$	DStlS2	0.045	0
681	Story3	B459	RHS 40*40,3MM	$0.276 = 0.012 + 0.262 + 0.001$	DStlS2	0.046	0.0002415
682	Story3	B460	RHS 40*40,3MM	$0.358 = 0.005 + 0.33 + 0.023$	DStlS2	0.048	0.001
683	Story3	B461	RHS 40*40,3MM	$0.36 = 0.001 + 0.333 + 0.025$	DStlS2	0.057	0.004
704	Story3	B482	RHS 40*40,3MM	$0.591 = 0.01 + 0.559 + 0.021$	DStlS2	0.096	0.003
705	Story3	B483	RHS 40*40,3MM	$0.56 = 0.01 + 0.537 + 0.013$	DStlS2	0.088	0.0004859
706	Story3	B484	RHS 40*40,3MM	$0.52 = 0.021 + 0.499 + 1.558E-04$	DStlS2	0.086	0
707	Story3	B485	RHS 40*40,3MM	$0.525 = 0.023 + 0.501 + 0.001$	DStlS2	0.086	0
708	Story3	B486	RHS 40*40,3MM	$0.528 = 0.026 + 0.501 + 0.001$	DStlS2	0.086	0
709	Story3	B487	RHS 40*40,3MM	$0.528 = 0.026 + 0.501 + 0.001$	DStlS2	0.086	0
710	Story3	B488	RHS 40*40,3MM	$0.525 = 0.023 + 0.501 + 0.001$	DStlS2	0.086	0
711	Story3	B489	RHS 40*40,3MM	$0.52 = 0.022 + 0.499 + 1.687E-04$	DStlS2	0.086	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
712	Story3	B490	RHS 40*40,3MM	0.56 = 0.01 + 0.537 + 0.013	DStIS2	0.088	0.0004855
713	Story3	B491	RHS 40*40,3MM	0.592 = 0.01 + 0.559 + 0.023	DStIS2	0.096	0.003
714	Story3	B492	RHS 40*40,3MM	0.609 = 0.005 + 0.577 + 0.027	DStIS2	0.099	0.004
715	Story3	B493	RHS 40*40,3MM	0.584 = 0.003 + 0.561 + 0.02	DStIS2	0.089	0.001
716	Story3	B494	RHS 40*40,3MM	0.512 = 0.011 + 0.5 + 0.001	DStIS2	0.087	0.0001443
717	Story3	B495	RHS 40*40,3MM	0.515 = 0.014 + 0.501 + 3.635E-04	DStIS2	0.086	0
718	Story3	B496	RHS 40*40,3MM	0.515 = 0.015 + 0.5 + 2.6E-04	DStIS2	0.086	0
719	Story3	B497	RHS 40*40,3MM	0.515 = 0.015 + 0.5 + 2.542E-04	DStIS2	0.086	0
720	Story3	B498	RHS 40*40,3MM	0.515 = 0.014 + 0.501 + 3.744E-04	DStIS2	0.086	0
721	Story3	B499	RHS 40*40,3MM	0.512 = 0.011 + 0.5 + 0.001	DStIS2	0.087	0.0001436
722	Story3	B500	RHS 40*40,3MM	0.584 = 0.003 + 0.561 + 0.02	DStIS2	0.089	0.001
723	Story3	B501	RHS 40*40,3MM	0.611 = 0.005 + 0.576 + 0.029	DStIS2	0.099	0.005
724	Story3	B502	RHS 40*40,3MM	0.616 = 0.003 + 0.583 + 0.029	DStIS2	0.1	0.005
725	Story3	B503	RHS 40*40,3MM	0.594 = 0.001 + 0.57 + 0.023	DStIS2	0.089	0.001
726	Story3	B504	RHS 40*40,3MM	0.504 = 0.002 + 0.501 + 0.001	DStIS2	0.087	0.000195
727	Story3	B505	RHS 40*40,3MM	0.506 = 0.004 + 0.502 + 0.001	DStIS2	0.086	0
728	Story3	B506	RHS 40*40,3MM	0.503 = 0.005 + 0.499 + 0	DStIS2	0.086	0
729	Story3	B507	RHS 40*40,3MM	0.503 = 0.005 + 0.499 + 0	DStIS2	0.086	0
730	Story3	B508	RHS 40*40,3MM	0.506 = 0.004 + 0.502 + 0.001	DStIS2	0.086	0
731	Story3	B509	RHS 40*40,3MM	0.504 = 0.002 + 0.501 + 0.001	DStIS2	0.087	0.0001941
732	Story3	B510	RHS 40*40,3MM	0.594 = 0.001 + 0.57 + 0.023	DStIS2	0.089	0.001
733	Story3	B511	RHS 40*40,3MM	0.617 = 0.004 + 0.583 + 0.031	DStIS2	0.1	0.005
734	Story3	B512	RHS 40*40,3MM	0.36 = 0.001 + 0.333 + 0.025	DStIS2	0.057	0.004
735	Story3	B513	RHS 40*40,3MM	0.358 = 0.005 + 0.33 + 0.023	DStIS2	0.048	0.001
736	Story3	B514	RHS 40*40,3MM	0.276 = 0.012 + 0.262 + 0.001	DStIS2	0.046	0.0002391
737	Story3	B515	RHS 40*40,3MM	0.275 = 0.011 + 0.263 + 0.001	DStIS2	0.045	0
738	Story3	B516	RHS 40*40,3MM	0.271 = 0.012 + 0.259 + 0	DStIS2	0.045	0
739	Story3	B517	RHS 40*40,3MM	0.271 = 0.012 + 0.259 + 0	DStIS2	0.045	0
740	Story3	B518	RHS 40*40,3MM	0.275 = 0.011 + 0.263 + 0.001	DStIS2	0.045	0
741	Story3	B519	RHS 40*40,3MM	0.276 = 0.012 + 0.262 + 0.001	DStIS2	0.046	0.0002412
742	Story3	B520	RHS 40*40,3MM	0.358 = 0.005 + 0.33 + 0.023	DStIS2	0.048	0.001
743	Story3	B521	RHS 40*40,3MM	0.361 = 0.001 + 0.333 + 0.026	DStIS2	0.057	0.004

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
73	Class 1	0	0
74	Class 1	0	0
77	Class 1	0	0
93	Class 1	0	0
94	Class 1	0	0
95	Class 1	0	0
138	Class 1	0	0
139	Class 1	0	0
140	Class 1	0	0
152	Class 1	0	0
153	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
154	Class 1	0	0
189	Class 1	0	0
190	Class 1	0	0
191	Class 1	0	0
203	Class 1	0	0
204	Class 1	0	0
205	Class 1	0	0
240	Class 1	0	0
241	Class 1	0	0
242	Class 1	0	0
254	Class 1	0	0
255	Class 1	0	0
256	Class 1	0	0
291	Class 1	0	0
292	Class 1	0	0
293	Class 1	0	0
305	Class 1	0	0
306	Class 1	0	0
307	Class 1	0	0
342	Class 1	0	0
343	Class 1	0	0
344	Class 1	0	0
360	Class 1	0	0
361	Class 1	0	0
362	Class 1	0	0
407	Class 1	0	0
408	Class 1	0	0
409	Class 1	0	0
421	Class 1	0	0
422	Class 1	0	0
423	Class 1	0	0
458	Class 1	0	0
459	Class 1	0	0
460	Class 1	0	0
472	Class 1	0	0
473	Class 1	0	0
474	Class 1	0	0
509	Class 1	0	0
510	Class 1	0	0
511	Class 1	0	0
523	Class 1	0	0
524	Class 1	0	0
525	Class 1	0	0
560	Class 1	0	0
561	Class 1	0	0
562	Class 1	0	0
574	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
575	Class 1	0	0
576	Class 1	0	0
611	Class 1	0	0
612	Class 1	0	0
613	Class 1	0	0
625	Class 1	0	0
626	Class 1	0	0
627	Class 1	0	0
634	Class 1	0	0
635	Class 1	0	0
636	Class 1	0	0
637	Class 1	0	0
638	Class 1	0	0
639	Class 1	0	0
640	Class 1	0	0
641	Class 1	0	0
642	Class 1	0	0
643	Class 1	0	0
684	Class 1	0	0
685	Class 1	0	0
686	Class 1	0	0
687	Class 1	0	0
688	Class 1	0	0
689	Class 1	0	0
690	Class 1	0	0
691	Class 1	0	0
692	Class 1	0	0
693	Class 1	0	0
694	Class 1	0	0
695	Class 1	0	0
696	Class 1	0	0
697	Class 1	0	0
698	Class 1	0	0
699	Class 1	0	0
700	Class 1	0	0
701	Class 1	0	0
702	Class 1	0	0
703	Class 1	0	0
744	Class 1	0	0
745	Class 1	0	0
746	Class 1	0	0
747	Class 1	0	0
748	Class 1	0	0
749	Class 1	0	0
750	Class 1	0	0
751	Class 1	0	0
752	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
753	Class 1	0	0
754	Class 1	0	0
755	Class 1	0	0
756	Class 1	0	0
757	Class 1	0	0
758	Class 1	0	0
759	Class 1	0	0
760	Class 1	0	0
761	Class 1	0	0
762	Class 1	0	0
763	Class 1	0	0
28	Class 1	0	0
32	Class 1	0	0
33	Class 1	0	0
58	Class 1	0	0
62	Class 1	0	0
63	Class 1	0	0
67	Class 1	0	0
68	Class 1	0	0
72	Class 1	0	0
78	Class 1	0	0
79	Class 1	0	0
82	Class 1	0	0
83	Class 1	0	0
84	Class 1	0	0
85	Class 1	0	0
87	Class 1	0	0
88	Class 1	0	0
89	Class 1	0	0
90	Class 1	0	0
92	Class 1	0	0
97	Class 1	0	0
98	Class 1	0	0
99	Class 1	0	0
100	Class 1	0	0
102	Class 1	0	0
103	Class 1	0	0
117	Class 1	0	0
118	Class 1	0	0
119	Class 1	0	0
132	Class 1	0	0
133	Class 1	0	0
134	Class 1	0	0
135	Class 1	0	0
136	Class 1	0	0
137	Class 1	0	0
141	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
142	Class 1	0	0
143	Class 1	0	0
144	Class 1	0	0
145	Class 1	0	0
146	Class 1	0	0
147	Class 1	0	0
148	Class 1	0	0
149	Class 1	0	0
150	Class 1	0	0
151	Class 1	0	0
155	Class 1	0	0
156	Class 1	0	0
157	Class 1	0	0
158	Class 1	0	0
159	Class 1	0	0
160	Class 1	0	0
171	Class 1	0	0
172	Class 1	0	0
173	Class 1	0	0
183	Class 1	0	0
184	Class 1	0	0
185	Class 1	0	0
186	Class 1	0	0
187	Class 1	0	0
188	Class 1	0	0
192	Class 1	0	0
193	Class 1	0	0
194	Class 1	0	0
195	Class 1	0	0
196	Class 1	0	0
197	Class 1	0	0
198	Class 1	0	0
199	Class 1	0	0
200	Class 1	0	0
201	Class 1	0	0
202	Class 1	0	0
206	Class 1	0	0
207	Class 1	0	0
208	Class 1	0	0
209	Class 1	0	0
210	Class 1	0	0
211	Class 1	0	0
222	Class 1	0	0
223	Class 1	0	0
224	Class 1	0	0
234	Class 1	0	0
235	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
236	Class 1	0	0
237	Class 1	0	0
238	Class 1	0	0
239	Class 1	0	0
243	Class 1	0	0
244	Class 1	0	0
245	Class 1	0	0
246	Class 1	0	0
247	Class 1	0	0
248	Class 1	0	0
249	Class 1	0	0
250	Class 1	0	0
251	Class 1	0	0
252	Class 1	0	0
253	Class 1	0	0
257	Class 1	0	0
258	Class 1	0	0
259	Class 1	0	0
260	Class 1	0	0
261	Class 1	0	0
262	Class 1	0	0
273	Class 1	0	0
274	Class 1	0	0
275	Class 1	0	0
285	Class 1	0	0
286	Class 1	0	0
287	Class 1	0	0
288	Class 1	0	0
289	Class 1	0	0
290	Class 1	0	0
294	Class 1	0	0
295	Class 1	0	0
296	Class 1	0	0
297	Class 1	0	0
298	Class 1	0	0
299	Class 1	0	0
300	Class 1	0	0
301	Class 1	0	0
302	Class 1	0	0
303	Class 1	0	0
304	Class 1	0	0
308	Class 1	0	0
309	Class 1	0	0
310	Class 1	0	0
311	Class 1	0	0
312	Class 1	0	0
313	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
324	Class 1	0	0
325	Class 1	0	0
326	Class 1	0	0
336	Class 1	0	0
337	Class 1	0	0
338	Class 1	0	0
339	Class 1	0	0
340	Class 1	0	0
341	Class 1	0	0
345	Class 1	0	0
346	Class 1	0	0
347	Class 1	0	0
348	Class 1	0	0
349	Class 1	0	0
354	Class 1	0	0
355	Class 1	0	0
356	Class 1	0	0
357	Class 1	0	0
358	Class 1	0	0
359	Class 1	0	0
363	Class 1	0	0
364	Class 1	0	0
365	Class 1	0	0
373	Class 1	0	0
374	Class 1	0	0
375	Class 1	0	0
386	Class 1	0	0
387	Class 1	0	0
388	Class 1	0	0
398	Class 1	0	0
399	Class 1	0	0
400	Class 1	0	0
404	Class 1	0	0
405	Class 1	0	0
406	Class 1	0	0
410	Class 1	0	0
411	Class 1	0	0
412	Class 1	0	0
413	Class 1	0	0
414	Class 1	0	0
415	Class 1	0	0
416	Class 1	0	0
417	Class 1	0	0
418	Class 1	0	0
419	Class 1	0	0
420	Class 1	0	0
424	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
425	Class 1	0	0
426	Class 1	0	0
427	Class 1	0	0
428	Class 1	0	0
429	Class 1	0	0
440	Class 1	0	0
441	Class 1	0	0
442	Class 1	0	0
452	Class 1	0	0
453	Class 1	0	0
454	Class 1	0	0
455	Class 1	0	0
456	Class 1	0	0
457	Class 1	0	0
461	Class 1	0	0
462	Class 1	0	0
463	Class 1	0	0
464	Class 1	0	0
465	Class 1	0	0
466	Class 1	0	0
467	Class 1	0	0
468	Class 1	0	0
469	Class 1	0	0
470	Class 1	0	0
471	Class 1	0	0
475	Class 1	0	0
476	Class 1	0	0
477	Class 1	0	0
478	Class 1	0	0
479	Class 1	0	0
480	Class 1	0	0
491	Class 1	0	0
492	Class 1	0	0
493	Class 1	0	0
503	Class 1	0	0
504	Class 1	0	0
505	Class 1	0	0
506	Class 1	0	0
507	Class 1	0	0
508	Class 1	0	0
512	Class 1	0	0
513	Class 1	0	0
514	Class 1	0	0
515	Class 1	0	0
516	Class 1	0	0
517	Class 1	0	0
518	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
519	Class 1	0	0
520	Class 1	0	0
521	Class 1	0	0
522	Class 1	0	0
526	Class 1	0	0
527	Class 1	0	0
528	Class 1	0	0
529	Class 1	0	0
530	Class 1	0	0
531	Class 1	0	0
542	Class 1	0	0
543	Class 1	0	0
544	Class 1	0	0
554	Class 1	0	0
555	Class 1	0	0
556	Class 1	0	0
557	Class 1	0	0
558	Class 1	0	0
559	Class 1	0	0
563	Class 1	0	0
564	Class 1	0	0
565	Class 1	0	0
566	Class 1	0	0
567	Class 1	0	0
568	Class 1	0	0
569	Class 1	0	0
570	Class 1	0	0
571	Class 1	0	0
572	Class 1	0	0
573	Class 1	0	0
577	Class 1	0	0
578	Class 1	0	0
579	Class 1	0	0
580	Class 1	0	0
581	Class 1	0	0
582	Class 1	0	0
593	Class 1	0	0
594	Class 1	0	0
595	Class 1	0	0
605	Class 1	0	0
606	Class 1	0	0
607	Class 1	0	0
608	Class 1	0	0
609	Class 1	0	0
610	Class 1	0	0
614	Class 1	0	0
615	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
616	Class 1	0	0
617	Class 1	0	0
618	Class 1	0	0
619	Class 1	0	0
620	Class 1	0	0
621	Class 1	0	0
622	Class 1	0	0
623	Class 1	0	0
624	Class 1	0	0
628	Class 1	0	0
629	Class 1	0	0
630	Class 1	0	0
631	Class 1	0	0
632	Class 1	0	0
633	Class 1	0	0
644	Class 1	0	0
645	Class 1	0	0
646	Class 1	0	0
647	Class 1	0	0
648	Class 1	0	0
649	Class 1	0	0
650	Class 1	0	0
651	Class 1	0	0
652	Class 1	0	0
653	Class 1	0	0
654	Class 1	0	0
655	Class 1	0	0
656	Class 1	0	0
657	Class 1	0	0
658	Class 1	0	0
659	Class 1	0	0
660	Class 1	0	0
661	Class 1	0	0
662	Class 1	0	0
663	Class 1	0	0
664	Class 1	0	0
665	Class 1	0	0
666	Class 1	0	0
667	Class 1	0	0
668	Class 1	0	0
669	Class 1	0	0
670	Class 1	0	0
671	Class 1	0	0
672	Class 1	0	0
673	Class 1	0	0
674	Class 1	0	0
675	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
676	Class 1	0	0
677	Class 1	0	0
678	Class 1	0	0
679	Class 1	0	0
680	Class 1	0	0
681	Class 1	0	0
682	Class 1	0	0
683	Class 1	0	0
704	Class 1	0	0
705	Class 1	0	0
706	Class 1	0	0
707	Class 1	0	0
708	Class 1	0	0
709	Class 1	0	0
710	Class 1	0	0
711	Class 1	0	0
712	Class 1	0	0
713	Class 1	0	0
714	Class 1	0	0
715	Class 1	0	0
716	Class 1	0	0
717	Class 1	0	0
718	Class 1	0	0
719	Class 1	0	0
720	Class 1	0	0
721	Class 1	0	0
722	Class 1	0	0
723	Class 1	0	0
724	Class 1	0	0
725	Class 1	0	0
726	Class 1	0	0
727	Class 1	0	0
728	Class 1	0	0
729	Class 1	0	0
730	Class 1	0	0
731	Class 1	0	0
732	Class 1	0	0
733	Class 1	0	0
734	Class 1	0	0
735	Class 1	0	0
736	Class 1	0	0
737	Class 1	0	0
738	Class 1	0	0
739	Class 1	0	0
740	Class 1	0	0
741	Class 1	0	0
742	Class 1	0	0

Table 6.4 - Steel Beam Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. V I-End kN	Conn. V J-End kN
743	Class 1	0	0

Table 6.5 - Steel Brace Envelope - BS 5950-2000 (Part 1 of 2)

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
18	Story4	D1	RHS 40*40,3MM	0.246 = 0.103 + 0.012 + 0.131	DStiS2	0.001	0.012
23	Story4	D2	RHS 40*40,3MM	0.196 = 0.116 + 0.009 + 0.071	DStiS2	0.002	0.002
52	Story4	D4	RHS 40*40,3MM	0.246 = 0.103 + 0.012 + 0.131	DStiS2	0.001	0.012
53	Story4	D5	RHS 40*40,3MM	0.196 = 0.116 + 0.009 + 0.071	DStiS2	0.002	0.002
113	Story4	D7	RHS 40*40,3MM	0.359 = 0.313 + 0.03 + 0.016	DStiS2	0.003	0.004
114	Story4	D8	RHS 40*40,3MM	0.329 = 0.289 + 0.025 + 0.015	DStiS2	0.004	0.001
128	Story4	D10	RHS 40*40,3MM	0.359 = 0.313 + 0.03 + 0.016	DStiS2	0.003	0.004
129	Story4	D11	RHS 40*40,3MM	0.329 = 0.289 + 0.025 + 0.015	DStiS2	0.004	0.001
168	Story4	D13	RHS 40*40,3MM	0.315 = 0.284 + 0.027 + 0.003	DStiS2	0.002	0.003
169	Story4	D14	RHS 40*40,3MM	0.285 = 0.262 + 0.021 + 0.002	DStiS2	0.003	0.0003263
180	Story4	D16	RHS 40*40,3MM	0.314 = 0.284 + 0.027 + 0.003	DStiS2	0.002	0.003
181	Story4	D17	RHS 40*40,3MM	0.285 = 0.262 + 0.021 + 0.002	DStiS2	0.003	0.0003257
219	Story4	D19	RHS 40*40,3MM	0.318 = 0.29 + 0.027 + 0.001	DStiS2	0.002	0.003
220	Story4	D20	RHS 40*40,3MM	0.288 = 0.267 + 0.021 + 3.525E-04	DStiS2	0.003	0.0002786
231	Story4	D22	RHS 40*40,3MM	0.317 = 0.29 + 0.027 + 0.001	DStiS2	0.002	0.003
232	Story4	D23	RHS 40*40,3MM	0.288 = 0.267 + 0.021 + 3.541E-04	DStiS2	0.003	0.0002784
270	Story4	D25	RHS 40*40,3MM	0.315 = 0.288 + 0.027 + 3.096E-04	DStiS2	0.002	0.003
271	Story4	D26	RHS 40*40,3MM	0.285 = 0.265 + 0.02 + 2.511E-04	DStiS2	0.003	0.0003522
282	Story4	D28	RHS 40*40,3MM	0.315 = 0.288 + 0.027 + 3.205E-04	DStiS2	0.002	0.003
283	Story4	D29	RHS 40*40,3MM	0.285 = 0.265 + 0.02 + 2.455E-04	DStiS2	0.003	0.0003523
321	Story4	D31	RHS 40*40,3MM	0.315 = 0.288 + 0.027 + 0	DStiS2	0.002	0.003
322	Story4	D32	RHS 40*40,3MM	0.286 = 0.266 + 0.02 + 0	DStiS2	0.003	0.0002749
333	Story4	D34	RHS 40*40,3MM	0.315 = 0.288 + 0.027 + 0	DStiS2	0.002	0.003
334	Story4	D35	RHS 40*40,3MM	0.286 = 0.266 + 0.02 + 0	DStiS2	0.003	0.0002745
383	Story4	D37	RHS 40*40,3MM	0.315 = 0.288 + 0.027 + 3.316E-04	DStiS2	0.002	0.003
384	Story4	D38	RHS 40*40,3MM	0.285 = 0.265 + 0.02 + 2.365E-04	DStiS2	0.003	0.0003521
395	Story4	D40	RHS 40*40,3MM	0.315 = 0.288 + 0.027 + 2.993E-04	DStiS2	0.002	0.003
396	Story4	D41	RHS 40*40,3MM	0.285 = 0.265 + 0.02 + 2.603E-04	DStiS2	0.003	0.0003521
437	Story4	D49	RHS 40*40,3MM	0.317 = 0.29 + 0.027 + 0.001	DStiS2	0.002	0.003
438	Story4	D50	RHS 40*40,3MM	0.288 = 0.267 + 0.021 + 3.187E-04	DStiS2	0.003	0.0002783
449	Story4	D52	RHS 40*40,3MM	0.317 = 0.29 + 0.027 + 0.001	DStiS2	0.002	0.003
450	Story4	D53	RHS 40*40,3MM	0.288 = 0.267 + 0.021 + 3.78E-04	DStiS2	0.003	0.0002796
488	Story4	D55	RHS 40*40,3MM	0.314 = 0.284 + 0.027 + 0.003	DStiS2	0.002	0.003
489	Story4	D56	RHS 40*40,3MM	0.285 = 0.262 + 0.021 + 0.002	DStiS2	0.003	0.0003248
500	Story4	D58	RHS 40*40,3MM	0.314 = 0.284 + 0.027 + 0.003	DStiS2	0.002	0.003
501	Story4	D59	RHS 40*40,3MM	0.285 = 0.262 + 0.021 + 0.002	DStiS2	0.003	0.0003253
539	Story4	D61	RHS 40*40,3MM	0.358 = 0.313 + 0.03 + 0.016	DStiS2	0.003	0.004
540	Story4	D62	RHS 40*40,3MM	0.329 = 0.289 + 0.025 + 0.015	DStiS2	0.004	0.001
551	Story4	D64	RHS 40*40,3MM	0.358 = 0.313 + 0.03 + 0.016	DStiS2	0.003	0.004
552	Story4	D65	RHS 40*40,3MM	0.329 = 0.289 + 0.025 + 0.015	DStiS2	0.004	0.001
590	Story4	D67	RHS 40*40,3MM	0.246 = 0.103 + 0.012 + 0.131	DStiS2	0.001	0.012
591	Story4	D68	RHS 40*40,3MM	0.196 = 0.116 + 0.009 + 0.071	DStiS2	0.002	0.002

Table 6.5 - Steel Brace Envelope - BS 5950-2000 (Part 1 of 2, continued)

UniqueName	Story	Label	Design Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio
602	Story4	D70	RHS 40*40,3MM	0.246 = 0.103 + 0.012 + 0.131	DStiS2	0.001	0.012
603	Story4	D71	RHS 40*40,3MM	0.196 = 0.116 + 0.009 + 0.071	DStiS2	0.002	0.002
27	Story3	D3	RHS 40*40,3MM	0.131 = 0.102 + 0.001 + 0.028	DStiS2	0.001	0.003
57	Story3	D6	RHS 40*40,3MM	0.131 = 0.102 + 0.001 + 0.028	DStiS2	0.001	0.003
115	Story3	D9	RHS 40*40,3MM	0.27 = 0.258 + 0.004 + 0.007	DStiS2	0.001	0.0001974
130	Story3	D12	RHS 40*40,3MM	0.27 = 0.258 + 0.004 + 0.007	DStiS2	0.001	0.0001921
170	Story3	D15	RHS 40*40,3MM	0.239 = 0.233 + 0.005 + 0.001	DStiS2	0.001	0.001
182	Story3	D18	RHS 40*40,3MM	0.239 = 0.233 + 0.005 + 0.001	DStiS2	0.001	0.001
221	Story3	D21	RHS 40*40,3MM	0.244 = 0.238 + 0.006 + 0.001	DStiS2	0.001	0.0001178
233	Story3	D24	RHS 40*40,3MM	0.244 = 0.238 + 0.006 + 0.001	DStiS2	0.001	0.0001189
272	Story3	D27	RHS 40*40,3MM	0.242 = 0.236 + 0.006 + 2.354E-04	DStiS2	0.001	0.0004994
284	Story3	D30	RHS 40*40,3MM	0.242 = 0.235 + 0.006 + 2.056E-04	DStiS2	0.001	0.0004947
323	Story3	D33	RHS 40*40,3MM	0.243 = 0.236 + 0.007 + 0	DStiS2	0.001	0
335	Story3	D36	RHS 40*40,3MM	0.243 = 0.236 + 0.007 + 0	DStiS2	0.001	0
385	Story3	D39	RHS 40*40,3MM	0.242 = 0.235 + 0.007 + 1.787E-04	DStiS2	0.001	0.0004818
397	Story3	D42	RHS 40*40,3MM	0.242 = 0.235 + 0.007 + 2.319E-04	DStiS2	0.001	0.000486
439	Story3	D51	RHS 40*40,3MM	0.244 = 0.237 + 0.006 + 0.001	DStiS2	0.001	0
451	Story3	D54	RHS 40*40,3MM	0.244 = 0.238 + 0.006 + 0.001	DStiS2	0.001	0
490	Story3	D57	RHS 40*40,3MM	0.238 = 0.233 + 0.005 + 0.001	DStiS2	0.001	0.001
502	Story3	D60	RHS 40*40,3MM	0.239 = 0.233 + 0.005 + 0.001	DStiS2	0.001	0.001
541	Story3	D63	RHS 40*40,3MM	0.27 = 0.258 + 0.004 + 0.008	DStiS2	0.001	0.0001491
553	Story3	D66	RHS 40*40,3MM	0.27 = 0.258 + 0.004 + 0.007	DStiS2	0.001	0.000153
592	Story3	D69	RHS 40*40,3MM	0.131 = 0.102 + 0.001 + 0.028	DStiS2	0.001	0.003
604	Story3	D72	RHS 40*40,3MM	0.131 = 0.102 + 0.001 + 0.028	DStiS2	0.001	0.003

Table 6.5 - Steel Brace Envelope - BS 5950-2000 (Part 2 of 2)

UniqueName	Section Class	Conn. P I-End kN	Conn. P J-End kN
18	Class 1	0	0
23	Class 1	0	0
52	Class 1	0	0
53	Class 1	0	0
113	Class 1	0	0
114	Class 1	0	0
128	Class 1	0	0
129	Class 1	0	0
168	Class 1	0	0
169	Class 1	0	0
180	Class 1	0	0
181	Class 1	0	0
219	Class 1	0	0
220	Class 1	0	0
231	Class 1	0	0
232	Class 1	0	0
270	Class 1	0	0
271	Class 1	0	0
282	Class 1	0	0

Table 6.5 - Steel Brace Envelope - BS 5950-2000 (Part 2 of 2, continued)

UniqueName	Section Class	Conn. P I-End kN	Conn. P J-End kN
283	Class 1	0	0
321	Class 1	0	0
322	Class 1	0	0
333	Class 1	0	0
334	Class 1	0	0
383	Class 1	0	0
384	Class 1	0	0
395	Class 1	0	0
396	Class 1	0	0
437	Class 1	0	0
438	Class 1	0	0
449	Class 1	0	0
450	Class 1	0	0
488	Class 1	0	0
489	Class 1	0	0
500	Class 1	0	0
501	Class 1	0	0
539	Class 1	0	0
540	Class 1	0	0
551	Class 1	0	0
552	Class 1	0	0
590	Class 1	0	0
591	Class 1	0	0
602	Class 1	0	0
603	Class 1	0	0
27	Class 1	0	0
57	Class 1	0	0
115	Class 1	0	0
130	Class 1	0	0
170	Class 1	0	0
182	Class 1	0	0
221	Class 1	0	0
233	Class 1	0	0
272	Class 1	0	0
284	Class 1	0	0
323	Class 1	0	0
335	Class 1	0	0
385	Class 1	0	0
397	Class 1	0	0
439	Class 1	0	0
451	Class 1	0	0
490	Class 1	0	0
502	Class 1	0	0
541	Class 1	0	0
553	Class 1	0	0
592	Class 1	0	0
604	Class 1	0	0