Department of Veterans Affairs
WILKES-BARRE VA Medical Center
WILKES-BARRE, PA

Project Number 693-19-106 (VEG 19.25)

RENOVATE 9TH FLOOR MENTAL HEALTH

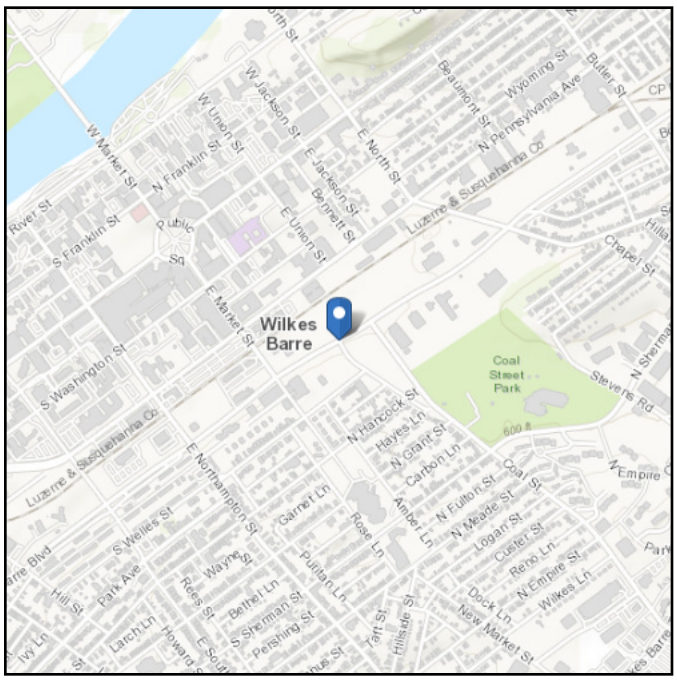
Structural Calculations

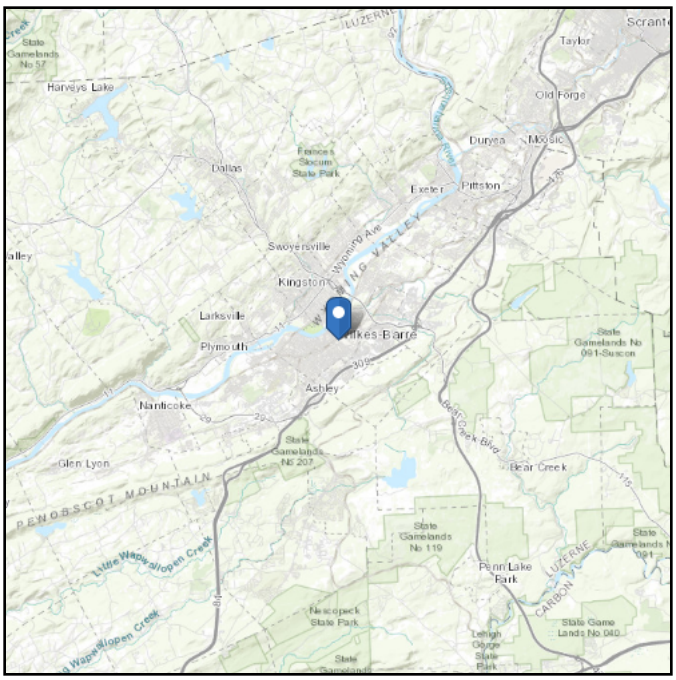
APRIL 18, 2023

ASCE 7 Hazards Report

Address:
Wilkes-Barre
Pennsylvania,

Standard:	ASCE/SEI 7-16	**Latitude:**	41.24323
Risk Category:	III	**Longitude:**	-75.87594
Soil Class:	D - Stiff Soil	**Elevation:**	553.1481421758057 ft (NAVD 88)





Wind

Results:

Wind Speed	119 Vmph
10-year MRI	75 Vmph
25-year MRI	83 Vmph
50-year MRI	88 Vmph
100-year MRI	94 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1C and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Thu Apr 20 2023

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Seismic

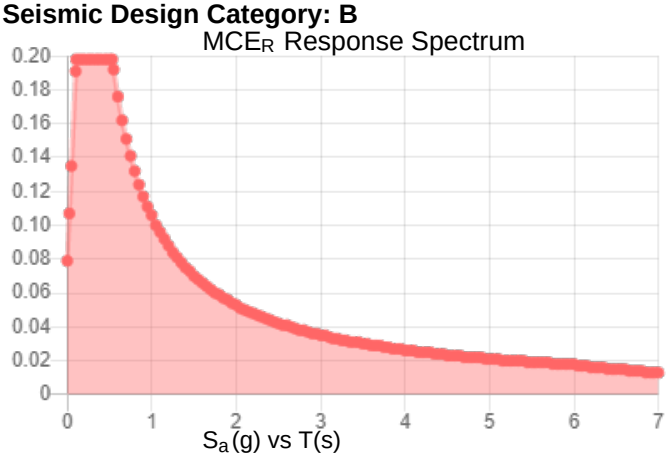
D - Stiff Soil

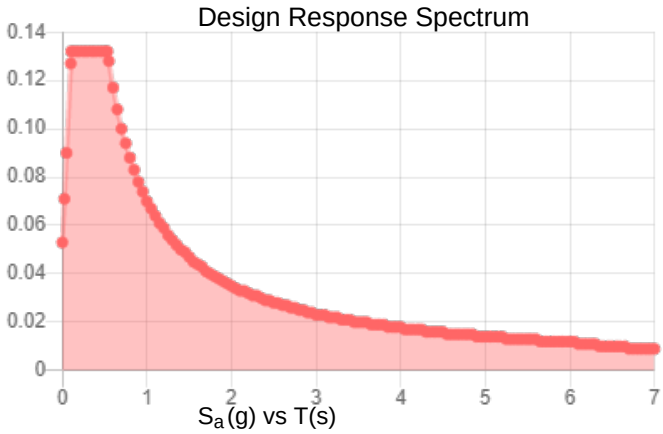
Site Soil Class:

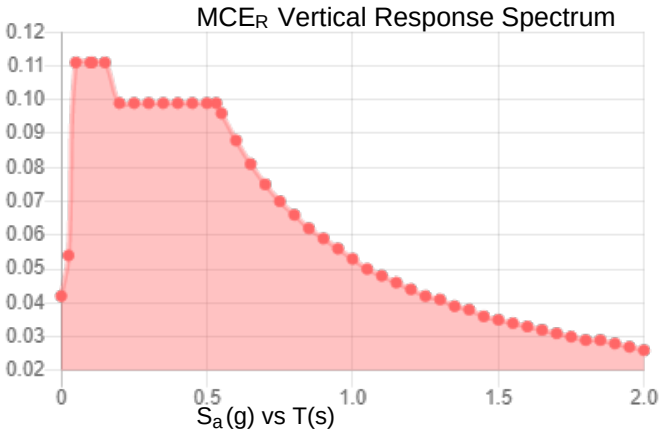
Results:

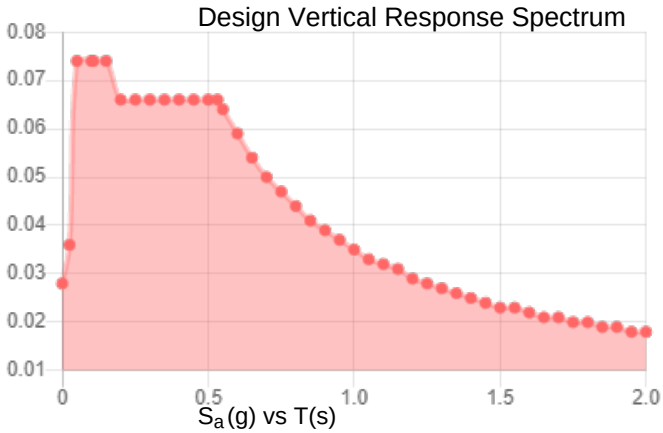
S_S :	0.124	S_{D1} :	0.07
S_1 :	0.044	T_L :	6
F_a :	1.6	PGA :	0.062
F_v :	2.4	PGA_M :	0.099
S_{MS} :	0.198	F_{PGA} :	1.6
S_{M1} :	0.106	I_e :	1.25
S_{DS} :	0.132	C_v :	0.7

Seismic Design Category: B









Data Accessed: **Thu Apr 20 2023**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Snow

Results:

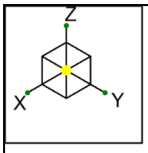
Mapped Elevation:	553.1 ft
Data Source:	ASCE/SEI 7-16, Table 7.2-8
Date Accessed:	Thu Apr 20 2023

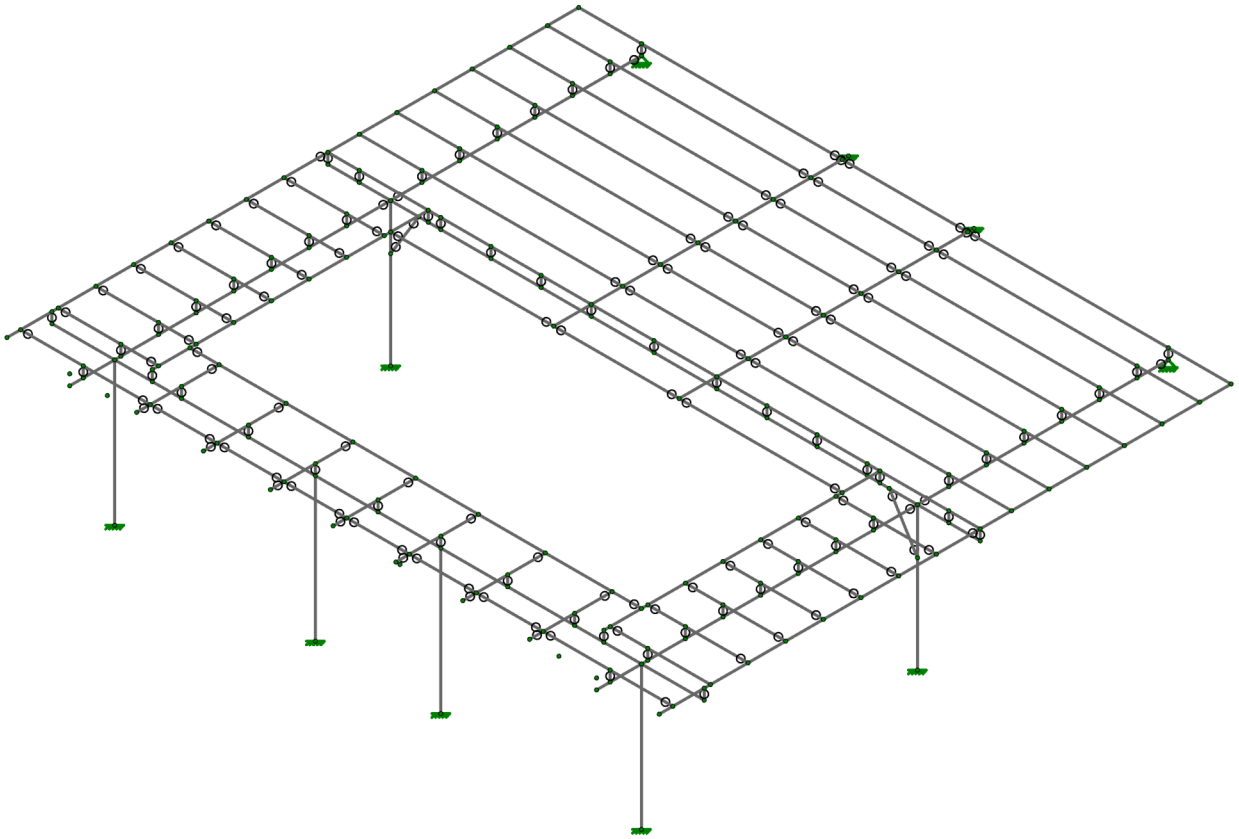
In "Case Study" areas, site-specific case studies are required to establish ground snow loads. Extreme local variations in ground snow loads in these areas preclude mapping at this scale.

Ground snow load determination for such sites shall be based on an extreme value statistical analysis of data available in the vicinity of the site using a value with a 2 percent annual probability of being exceeded (50-year mean recurrence interval).

Values provided are ground snow loads. In areas designated "case study required," extreme local variations in ground snow loads preclude mapping at this scale. Site-specific case studies are required to establish ground snow loads at elevations not covered.

Snow load values are mapped to a 0.5 mile resolution. This resolution can create a mismatch between the mapped elevation and the site-specific elevation in topographically complex areas. Engineers should consult the local authority having jurisdiction in locations where the reported ‘elevation’ and ‘mapped elevation’ differ significantly from each other.





VALHALLA ENGINEERING GRO…	VAMC MENTAL HEALTH 9TH FLR SUNROOM 8/5	SK-2
SAMIRA SULTANA		Apr 20, 2023
19.25 WILKES-BARRE		scr.r3d

Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	N1	25	21	12.25	
2	N2	25	31	12.25	
3	N3	41	10.333	12.25	
4	N4	34.5	44	12.25	
5	N5	43.5	44	12.25	
6	N6	31.5	44	12.25	
7	N7	37.5	44	12.25	
8	N8	40.5	44	12.25	
9	N9	25.5	44	12.25	
10	N10	28.5	44	12.25	
11	N11	43.5	8	12.25	
12	N12	40.5	8	12.25	
13	N13	25.5	8	12.25	
14	N14	31.5	8	12.25	
15	N15	34.5	8	12.25	
16	N16	28.5	8	12.25	
17	N17	37.5	8	12.25	
18	N18	22	5	0	
19	N19	44	5	0	
20	N20	44	21	0	
21	N21	1.5	21	12.25	
22	N22	47.583333	21	12.25	
23	N23	46.5	21	12.25	
24	N24	4.5	21	12.25	
25	N25	7.5	21	12.25	
26	N26	10.5	21	12.25	
27	N27	13.5	21	12.25	
28	N28	16.5	21	12.25	
29	N29	19.5	21	12.25	
30	N30	4.5	31	12.25	
31	N31	7.5	31	12.25	
32	N32	10.5	31	12.25	
33	N33	13.5	31	12.25	
34	N34	16.5	31	12.25	
35	N35	19.5	31	12.25	
36	N36	46.5	26	12.25	
37	N37	47.583333	26	12.25	
38	N38	2	21	12.25	
39	N39	2	31	12.25	
40	N40	2	0	12.25	
41	N41	2	5	12.25	
42	N42	4.5	0	12.25	
43	N43	4.5	5	12.25	
44	N44	7.5	0	12.25	
45	N45	7.5	5	12.25	
46	N46	10.5	0	12.25	
47	N47	10.5	5	12.25	
48	N48	13.5	0	12.25	
49	N49	13.5	5	12.25	
50	N50	16.5	0	12.25	
51	N51	16.5	5	12.25	
52	N52	19.5	0	12.25	
53	N53	19.5	5	12.25	
54	N54	22	0	12.25	
55	N55	25.5	0	12.25	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
56	N56	25.5	5	12.25	
57	N57	28.5	0	12.25	
58	N58	28.5	5	12.25	
59	N59	31.5	0	12.25	
60	N60	31.5	5	12.25	
61	N61	34.5	0	12.25	
62	N62	34.5	5	12.25	
63	N63	37.5	0	12.25	
64	N64	37.5	5	12.25	
65	N65	40.5	0	12.25	
66	N66	40.5	5	12.25	
67	N67	43.5	0	12.25	
68	N68	43.5	5	12.25	
69	N69	46.5	0	12.25	
70	N70	46.5	5	12.25	
71	N71	47.583333	0	12.25	
72	N72	47.583333	5	12.25	
73	N73	2	5	11.42	
74	N74	4.5	5	11.42	
75	N75	7.5	5	11.42	
76	N76	10.5	5	11.42	
77	N77	13.5	5	11.42	
78	N78	16.5	5	11.42	
79	N79	19.5	5	11.42	
80	N80	22	5	11.42	
81	N81	25.5	5	11.42	
82	N82	28.5	5	11.42	
83	N83	31.5	5	11.42	
84	N84	34.5	5	11.42	
85	N85	37.5	5	11.42	
86	N86	40.5	5	11.42	
87	N87	43.5	5	11.42	
88	N88	44	21	11.42	
89	N89	46.5	10.333	12.25	
90	N90	46.5	15.667	12.25	
91	N91	47.583333	10.333	12.25	
92	N92	47.583333	15.667	12.25	
93	N93	22	47	0	
94	N94	44	47	0	
95	N95	44	31	0	
96	N96	1.5	31	12.25	
97	N97	47.583333	31	12.25	
98	N98	46.5	31	12.25	
99	N99	2	52	12.25	
100	N100	2	47	12.25	
101	N101	4.5	52	12.25	
102	N102	4.5	47	12.25	
103	N103	7.5	52	12.25	
104	N104	7.5	47	12.25	
105	N105	10.5	52	12.25	
106	N106	10.5	47	12.25	
107	N107	13.5	52	12.25	
108	N108	13.5	47	12.25	
109	N109	16.5	52	12.25	
110	N110	16.5	47	12.25	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
111	N111	19.5	52	12.25	
112	N112	19.5	47	12.25	
113	N113	22	52	12.25	
114	N114	25.5	52	12.25	
115	N115	25.5	47	12.25	
116	N116	28.5	52	12.25	
117	N117	28.5	47	12.25	
118	N118	31.5	52	12.25	
119	N119	31.5	47	12.25	
120	N120	34.5	52	12.25	
121	N121	34.5	47	12.25	
122	N122	37.5	52	12.25	
123	N123	37.5	47	12.25	
124	N124	40.5	52	12.25	
125	N125	40.5	47	12.25	
126	N126	43.5	52	12.25	
127	N127	43.5	47	12.25	
128	N128	46.5	52	12.25	
129	N129	46.5	47	12.25	
130	N130	47.583333	52	12.25	
131	N131	47.583333	47	12.25	
132	N132	2	47	11.42	
133	N133	4.5	47	11.42	
134	N134	7.5	47	11.42	
135	N135	10.5	47	11.42	
136	N136	13.5	47	11.42	
137	N137	16.5	47	11.42	
138	N138	19.5	47	11.42	
139	N139	22	47	11.42	
140	N140	25.5	47	11.42	
141	N141	28.5	47	11.42	
142	N142	31.5	47	11.42	
143	N143	34.5	47	11.42	
144	N144	37.5	47	11.42	
145	N145	40.5	47	11.42	
146	N146	43.5	47	11.42	
147	N147	44	47	11.42	
148	N148	44	31	11.42	
149	N149	46.5	41.667	12.25	
150	N150	46.5	36.333	12.25	
151	N151	47.583333	41.667	12.25	
152	N152	47.583333	36.333	12.25	
153	N153	22	47	7.75	
154	N154	22	5	7.75	
155	N155	44	5	11.42	
156	N156	47.583333	5	11.42	
157	N157	46.5	5	11.42	
158	N158	47.583333	47	11.42	
159	N159	46.5	47	11.42	
160	N160	22	31	12.25	
161	N161	22	31	11.42	
162	N162	22	52	11.42	
163	N163	22	0	11.42	
164	N164	22	8	11.42	
165	N165	44	8	11.42	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
166	N166	22	44	11.42	
167	N167	22	44	12.25	
168	N168	44	8	12.25	
169	N169	22	8	12.25	
170	N170	44	44	11.42	
171	N171	44	44	12.25	
172	N172	41	8	12.25	
173	N173	22	26	12.25	
174	N174	41	44	12.25	
175	N175	44	10.333	11.42	
176	N176	44	10.333	12.25	
177	N177	44	0	11.42	
178	N178	44	0	12.25	
179	N179	44	52	11.42	
180	N180	44	52	12.25	
181	N181	44	15.666	11.42	
182	N182	44	15.666	12.25	
183	N183	41	15.666	12.25	
184	N184	41	21	12.25	
185	N185	44	21	12.25	
186	N186	47.583333	31.333	12.25	
187	N187	41	25.999	12.25	
188	N188	44	25.999	11.42	
189	N189	44	25.999	12.25	
190	N190	41	30.999	12.25	
191	N191	44	30.999	12.25	
192	N192	41	36.332	12.25	
193	N193	44	36.333	11.42	
194	N194	44	36.333	12.25	
195	N195	41	41.666	12.25	
196	N196	44	41.666	11.42	
197	N197	44	41.666	12.25	
198	N198	22	21	12.25	
199	N199	22	7.25	11.42	
200	N200	22	44.75	11.42	
201	N201	22	2.5	11.42	
202	N202	22	2.5	12.25	
203	N203	22	9	11.42	
204	N204	22	9	12.25	
205	N205	22	13	11.42	
206	N206	22	13	12.25	
207	N207	22	17	11.42	
208	N208	22	17	12.25	
209	N209	22	26	11.42	
210	N210	22	49.5	11.42	
211	N211	22	49.5	12.25	
212	N212	22	43	11.42	
213	N213	22	43	12.25	
214	N214	22	39	11.42	
215	N215	22	39	12.25	
216	N216	22	35	11.42	
217	N217	22	35	12.25	
218	N218	22	21	11.42	
219	N219	25	44	12.25	
220	N220	25	8	12.25	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
221	N221	47.583333	8	12.25	
222	N222	47.583333	44	12.25	

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]	Y Rot [k-ft/rad]	Z Rot [k-ft/rad]
1	N132	Reaction	Reaction	Reaction			
2	N73	Reaction	Reaction	Reaction			
3	N21	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N18	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N19	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	N20	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
7	N93	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
8	N94	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
9	N95	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
10	N96	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e⁵°F⁻¹]	Density [k/ft³]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
7	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	Iyy [in⁴]	Izz [in⁴]	J [in⁴]
1	W14X48	W14X48	Beam	Wide Flange	A992	R1	14.1	51.4	484	1.45
2	W27X84	W27X84	Beam	Wide Flange	A992	R1	24.7	106	2850	2.81
3	W10X54	W10X54	Beam	Wide Flange	A992	R1	15.8	103	303	1.82
4	W10X26	W10X26	Beam	Wide Flange	A992	R1	7.61	14.1	144	0.402
5	W10X19	W10X19	Beam	Wide Flange	A992	R1	5.62	4.29	96.3	0.233
6	W8X21	W8X21	Beam	Wide Flange	A992	R1	6.16	9.77	75.3	0.282
7	C10X15.3	C10X15.3	Beam	Channel	A36 Gr.36	R1	4.48	2.27	67.3	0.209
8	C10X20	C10X20	Beam	Channel	A36 Gr.36	R1	5.87	2.8	78.9	0.368
9	C8X11.5	C8X11.5	Column	Channel	A36 Gr.36	R1	3.37	1.31	32.5	0.13
10	HSS8X6X5/8	HSS8X6X10	Column	RECT	A500 Gr.B Rect	R1	14	72.3	114	150
11	HSS8X6X3/8	HSS8X6X6	Column	RECT	A500 Gr.B Rect	R1	8.97	50.6	79.1	100
12	HSS8X6	HSS8X6X6	Column	RECT	A500 Gr.B Rect	R1	8.97	50.6	79.1	100

Member Primary Data

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
1	M156	N153	N200	HSS6X3X4	VBrace	Tube	A992	R1
2	M155	N154	N199	HSS6X3X4	VBrace	Tube	A992	R1
3	M163	N210	N211	RIGID	None	None	RIGID	R1
4	M148	N137	N110	RIGID	None	None	RIGID	R1
5	M147	N138	N112	RIGID	None	None	RIGID	R1
6	M145	N140	N115	RIGID	None	None	RIGID	R1
7	M144	N141	N117	RIGID	None	None	RIGID	R1

Member Primary Data (Continued)

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
8	M143	N142	N119	RIGID	None	None	RIGID	R1
9	M142	N143	N121	RIGID	None	None	RIGID	R1
10	M149	N136	N108	RIGID	None	None	RIGID	R1
11	M141	N144	N123	RIGID	None	None	RIGID	R1
12	M139	N146	N127	RIGID	None	None	RIGID	R1
13	M135	N201	N202	RIGID	None	None	RIGID	R1
14	M137	N203	N204	RIGID	None	None	RIGID	R1
15	M138	N205	N206	RIGID	None	None	RIGID	R1
16	M161	N207	N208	RIGID	None	None	RIGID	R1
17	M162	N209	N173	RIGID	None	None	RIGID	R1
18	M261	N88	N185	RIGID	None	None	RIGID	R1
19	M164	N212	N213	RIGID	None	None	RIGID	R1
20	M140	N145	N125	RIGID	None	None	RIGID	R1
21	M150	N135	N106	RIGID	None	None	RIGID	R1
22	M151	N134	N104	RIGID	None	None	RIGID	R1
23	M152	N133	N102	RIGID	None	None	RIGID	R1
24	M271	N148	N191	RIGID	None	None	RIGID	R1
25	M226	N181	N182	RIGID	None	None	RIGID	R1
26	M258	N179	N180	RIGID	None	None	RIGID	R1
27	M234	N177	N178	RIGID	None	None	RIGID	R1
28	M230	N175	N176	RIGID	None	None	RIGID	R1
29	M273	N193	N194	RIGID	None	None	RIGID	R1
30	M275	N196	N197	RIGID	None	None	RIGID	R1
31	M165	N214	N215	RIGID	None	None	RIGID	R1
32	M235	N165	N168	RIGID	None	None	RIGID	R1
33	M236	N164	N169	RIGID	None	None	RIGID	R1
34	M269	N166	N167	RIGID	None	None	RIGID	R1
35	M233	N163	N54	RIGID	None	None	RIGID	R1
36	M231	N162	N113	RIGID	None	None	RIGID	R1
37	M266	N159	N129	RIGID	None	None	RIGID	R1
38	M265	N157	N70	RIGID	None	None	RIGID	R1
39	M153	N132	N100	RIGID	None	None	RIGID	R1
40	M228	N170	N171	RIGID	None	None	RIGID	R1
41	M167	N216	N217	RIGID	None	None	RIGID	R1
42	M268	N188	N189	RIGID	None	None	RIGID	R1
43	M64	N84	N62	RIGID	None	None	RIGID	R1
44	M195	N218	N198	RIGID	None	None	RIGID	R1
45	M61	N87	N68	RIGID	None	None	RIGID	R1
46	M62	N86	N66	RIGID	None	None	RIGID	R1
47	M63	N85	N64	RIGID	None	None	RIGID	R1
48	M197	N161	N160	RIGID	None	None	RIGID	R1
49	M65	N83	N60	RIGID	None	None	RIGID	R1
50	M66	N82	N58	RIGID	None	None	RIGID	R1
51	M69	N79	N53	RIGID	None	None	RIGID	R1
52	M70	N78	N51	RIGID	None	None	RIGID	R1
53	M71	N77	N49	RIGID	None	None	RIGID	R1
54	M67	N81	N56	RIGID	None	None	RIGID	R1
55	M73	N75	N45	RIGID	None	None	RIGID	R1
56	M74	N74	N43	RIGID	None	None	RIGID	R1
57	M75	N73	N41	RIGID	None	None	RIGID	R1
58	M72	N76	N47	RIGID	None	None	RIGID	R1
59	M8	N29	N35	C8X11.5	Column	Channel	A36 Gr.36	R1
60	M7	N28	N34	C8X11.5	Column	Channel	A36 Gr.36	R1
61	M56	N18	N80	HSS8X6X5/8	Column	RECT	A500 Gr.B Rect	R1
62	M3	N24	N30	C8X11.5	Column	Channel	A36 Gr.36	R1

Member Primary Data (Continued)

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
63	M4	N25	N31	C8X11.5	Column	Channel	A36 Gr.36	R1
64	M58	N20	N88	HSS8X6	Column	RECT	A500 Gr.B Rect	R1
65	M6	N27	N33	C8X11.5	Column	Channel	A36 Gr.36	R1
66	M136	N95	N148	HSS8X6	Column	RECT	A500 Gr.B Rect	R1
67	M159	N19	N155	HSS8X6X3/8	Column	RECT	A500 Gr.B Rect	R1
68	M134	N93	N139	HSS8X6X5/8	Column	RECT	A500 Gr.B Rect	R1
69	M5	N26	N32	C8X11.5	Column	Channel	A36 Gr.36	R1
70	M158	N94	N147	HSS8X6X3/8	Column	RECT	A500 Gr.B Rect	R1
71	M166	N130	N113	C10X20	Beam	Channel	A36 Gr.36	R1
72	M201	N80	N73	W14X48	Beam	Wide Flange	A992	R1
73	M200	N2	N219	C10X15.3	Beam	Channel	A36 Gr.36	R1
74	M202	N156	N80	W10X26	Beam	Wide Flange	A992	R1
75	M170	N204	N206	C10X15.3	Beam	Channel	A36 Gr.36	R1
76	M203	N139	N158	W10X26	Beam	Wide Flange	A992	R1
77	M274	N151	N195	C10X15.3	Beam	Channel	A36 Gr.36	R1
78	M272	N152	N192	C10X15.3	Beam	Channel	A36 Gr.36	R1
79	M270	N97	N190	C10X15.3	Beam	Channel	A36 Gr.36	R1
80	M180	N71	N54	C10X20	Beam	Channel	A36 Gr.36	R1
81	M199	N1	N2	C10X15.3	Beam	Channel	A36 Gr.36	R1
82	M173	N198	N173	C10X15.3	Beam	Channel	A36 Gr.36	R1
83	M196	N160	N217	C10X15.3	Beam	Channel	A36 Gr.36	R1
84	M169	N169	N204	C10X15.3	Beam	Channel	A36 Gr.36	R1
85	M168	N202	N169	C10X15.3	Beam	Channel	A36 Gr.36	R1
86	M146	N54	N202	C10X15.3	Beam	Channel	A36 Gr.36	R1
87	M176	N217	N215	C10X15.3	Beam	Channel	A36 Gr.36	R1
88	M177	N215	N213	C10X15.3	Beam	Channel	A36 Gr.36	R1
89	M178	N213	N167	C10X15.3	Beam	Channel	A36 Gr.36	R1
90	M198	N220	N1	C10X15.3	Beam	Channel	A36 Gr.36	R1
91	M179	N167	N211	C10X15.3	Beam	Channel	A36 Gr.36	R1
92	M172	N208	N198	C10X15.3	Beam	Channel	A36 Gr.36	R1
93	M171	N206	N208	C10X15.3	Beam	Channel	A36 Gr.36	R1
94	M160	N179	N177	W10X26	Beam	Wide Flange	A992	R1
95	M157	N163	N162	W27X84	Beam	Wide Flange	A992	R1
96	M174	N96	N2	W10X54	Beam	Wide Flange	A992	R1
97	M175	N173	N160	C10X15.3	Beam	Channel	A36 Gr.36	R1
98	M181	N211	N113	C10X15.3	Beam	Channel	A36 Gr.36	R1
99	M1	N21	N1	W10X54	Beam	Wide Flange	A992	R1
100	M254	N98	N150	C10X15.3	Beam	Channel	A36 Gr.36	R1
101	M262	N22	N184	W10X19	Beam	Wide Flange	A992	R1
102	M107	N107	N33	W10X19	Beam	Wide Flange	A992	R1
103	M105	N105	N32	W10X19	Beam	Wide Flange	A992	R1
104	M103	N103	N31	W10X19	Beam	Wide Flange	A992	R1
105	M101	N101	N30	W10X19	Beam	Wide Flange	A992	R1
106	M99	N99	N39	W10X26	Beam	Wide Flange	A992	R1
107	M95	N98	N36	C10X15.3	Beam	Channel	A36 Gr.36	R1
108	M50	N69	N70	C10X15.3	Beam	Channel	A36 Gr.36	R1
109	M48	N67	N11	C10X15.3	Beam	Channel	A36 Gr.36	R1
110	M46	N65	N12	C10X15.3	Beam	Channel	A36 Gr.36	R1
111	M44	N63	N17	C10X15.3	Beam	Channel	A36 Gr.36	R1
112	M42	N61	N15	C10X15.3	Beam	Channel	A36 Gr.36	R1
113	M40	N59	N14	C10X15.3	Beam	Channel	A36 Gr.36	R1
114	M38	N57	N16	C10X15.3	Beam	Channel	A36 Gr.36	R1
115	M36	N55	N13	C10X15.3	Beam	Channel	A36 Gr.36	R1
116	M29	N48	N27	W10X19	Beam	Wide Flange	A992	R1
117	M27	N46	N26	W10X19	Beam	Wide Flange	A992	R1

Member Primary Data (Continued)

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
118	M25	N44	N25	W10X19	Beam	Wide Flange	A992	R1
119	M23	N42	N24	W10X19	Beam	Wide Flange	A992	R1
120	M21	N40	N38	W10X26	Beam	Wide Flange	A992	R1
121	M19	N38	N39	W8X21	Beam	Wide Flange	A992	R1
122	M17	N23	N36	C10X15.3	Beam	Channel	A36 Gr.36	R1
123	M109	N109	N34	W10X19	Beam	Wide Flange	A992	R1
124	M267	N37	N187	C10X15.3	Beam	Channel	A36 Gr.36	R1
125	M111	N111	N35	W10X19	Beam	Wide Flange	A992	R1
126	M116	N116	N10	C10X15.3	Beam	Channel	A36 Gr.36	R1
127	M260	N22	N184	C10X15.3	Beam	Channel	A36 Gr.36	R1
128	M259	N92	N183	C10X15.3	Beam	Channel	A36 Gr.36	R1
129	M232	N91	N3	C10X15.3	Beam	Channel	A36 Gr.36	R1
130	M257	N172	N174	W10X45	Beam	Wide Flange	A992	R1
131	M241	N171	N167	W10X26	Beam	Wide Flange	A992	R1
132	M247	N52	N29	W10X19	Beam	Wide Flange	A992	R1
133	M244	N50	N28	W10X19	Beam	Wide Flange	A992	R1
134	M240	N169	N168	W10X26	Beam	Wide Flange	A992	R1
135	M256	N149	N129	C10X15.3	Beam	Channel	A36 Gr.36	R1
136	M255	N150	N149	C10X15.3	Beam	Channel	A36 Gr.36	R1
137	M182	N40	N54	C10X15.3	Beam	Channel	A36 Gr.36	R1
138	M253	N90	N23	C10X15.3	Beam	Channel	A36 Gr.36	R1
139	M252A	N89	N90	C10X15.3	Beam	Channel	A36 Gr.36	R1
140	M251A	N70	N89	C10X15.3	Beam	Channel	A36 Gr.36	R1
141	M132	N132	N139	W14X48	Beam	Wide Flange	A992	R1
142	M128	N128	N129	C10X15.3	Beam	Channel	A36 Gr.36	R1
143	M126	N126	N5	C10X15.3	Beam	Channel	A36 Gr.36	R1
144	M124	N124	N8	C10X15.3	Beam	Channel	A36 Gr.36	R1
145	M122	N122	N7	C10X15.3	Beam	Channel	A36 Gr.36	R1
146	M120	N120	N4	C10X15.3	Beam	Channel	A36 Gr.36	R1
147	M118	N118	N6	C10X15.3	Beam	Channel	A36 Gr.36	R1
148	M114	N114	N9	C10X15.3	Beam	Channel	A36 Gr.36	R1
149	M154	N99	N113	C10X15.3	Beam	Channel	A36 Gr.36	R1

Hot Rolled Steel Design Parameters

	Label	Shape	Length [ft]	Lb y-y [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
1	M156	HSS6X3X4	4.305		Lbyy	N/A	N/A	Lateral
2	M155	HSS6X3X4	4.305			N/A	N/A	Lateral
3	M8	C8X11.5	10		Lbyy	N/A	N/A	Gravity
4	M7	C8X11.5	10		Lbyy	N/A	N/A	Gravity
5	M56	HSS8X6X5/8	11.42			N/A	N/A	Gravity
6	M3	C8X11.5	10		Lbyy	N/A	N/A	Gravity
7	M4	C8X11.5	10		Lbyy	N/A	N/A	Gravity
8	M58	HSS8X6	11.42			N/A	N/A	Gravity
9	M6	C8X11.5	10		Lbyy	N/A	N/A	Gravity
10	M136	HSS8X6	11.42			N/A	N/A	Gravity
11	M159	HSS8X6X3/8	11.42			N/A	N/A	Gravity
12	M134	HSS8X6X5/8	11.42			N/A	N/A	Gravity
13	M5	C8X11.5	10		Lbyy	N/A	N/A	Gravity
14	M158	HSS8X6X3/8	11.42			N/A	N/A	Gravity
15	M166	C10X20	25.583		3	N/A	N/A	Lateral
16	M201	W14X48	20		Lbyy	N/A	N/A	Lateral
17	M200	C10X15.3	13		Lbyy	N/A	N/A	Lateral
18	M202	W10X26	25.583		Lbyy	N/A	N/A	Lateral
19	M170	C10X15.3	4		Lbyy	N/A	N/A	Lateral
20	M203	W10X26	25.583		Lbyy	N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [ft]	Lb y-y [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
21	M274	C10X15.3	6.583		Lbyy	N/A	N/A	Lateral
22	M272	C10X15.3	6.583		Lbyy	N/A	N/A	Lateral
23	M270	C10X15.3	6.583		Lbyy	N/A	N/A	Lateral
24	M180	C10X20	25.583		3	N/A	N/A	Lateral
25	M199	C10X15.3	10		Lbyy	N/A	N/A	Lateral
26	M173	C10X15.3	5		Lbyy	N/A	N/A	Lateral
27	M196	C10X15.3	4		Lbyy	N/A	N/A	Lateral
28	M169	C10X15.3	1		Lbyy	N/A	N/A	Lateral
29	M168	C10X15.3	5.5		Lbyy	N/A	N/A	Lateral
30	M146	C10X15.3	2.5		Lbyy	N/A	N/A	Lateral
31	M176	C10X15.3	4		Lbyy	N/A	N/A	Lateral
32	M177	C10X15.3	4		Lbyy	N/A	N/A	Lateral
33	M178	C10X15.3	1		Lbyy	N/A	N/A	Lateral
34	M198	C10X15.3	13		Lbyy	N/A	N/A	Lateral
35	M179	C10X15.3	5.5		Lbyy	N/A	N/A	Lateral
36	M172	C10X15.3	4		Lbyy	N/A	N/A	Lateral
37	M171	C10X15.3	4		Lbyy	N/A	N/A	Lateral
38	M160	W10X26	52		16	N/A	N/A	Lateral
39	M157	W27X84	52		16	N/A	N/A	Lateral
40	M174	W10X54	23.5	3	Lbyy	N/A	N/A	Gravity
41	M175	C10X15.3	5		Lbyy	N/A	N/A	Lateral
42	M181	C10X15.3	2.5		Lbyy	N/A	N/A	Lateral
43	M1	W10X54	23.5	3	Lbyy	N/A	N/A	Gravity
44	M254	C10X15.3	5.333		Lbyy	N/A	N/A	Lateral
45	M262	W10X19	6.583		Lbyy	N/A	N/A	Lateral
46	M107	W10X19	21		Lbyy	N/A	N/A	Gravity
47	M105	W10X19	21		Lbyy	N/A	N/A	Gravity
48	M103	W10X19	21		Lbyy	N/A	N/A	Gravity
49	M101	W10X19	21		Lbyy	N/A	N/A	Gravity
50	M99	W10X26	21	21	Lbyy	N/A	N/A	Gravity
51	M95	C10X15.3	5		Lbyy	N/A	N/A	Lateral
52	M50	C10X15.3	5		Lbyy	N/A	N/A	Lateral
53	M48	C10X15.3	8		Lbyy	N/A	N/A	Lateral
54	M46	C10X15.3	8		Lbyy	N/A	N/A	Gravity
55	M44	C10X15.3	8		Lbyy	N/A	N/A	Gravity
56	M42	C10X15.3	8		Lbyy	N/A	N/A	Gravity
57	M40	C10X15.3	8		Lbyy	N/A	N/A	Gravity
58	M38	C10X15.3	8		Lbyy	N/A	N/A	Gravity
59	M36	C10X15.3	8		Lbyy	N/A	N/A	Gravity
60	M29	W10X19	21		Lbyy	N/A	N/A	Gravity
61	M27	W10X19	21		Lbyy	N/A	N/A	Gravity
62	M25	W10X19	21		Lbyy	N/A	N/A	Gravity
63	M23	W10X19	21		Lbyy	N/A	N/A	Gravity
64	M21	W10X26	21	21	Lbyy	N/A	N/A	Gravity
65	M19	W8X21	10		Lbyy	N/A	N/A	Gravity
66	M17	C10X15.3	5		Lbyy	N/A	N/A	Lateral
67	M109	W10X19	21		Lbyy	N/A	N/A	Gravity
68	M267	C10X15.3	6.583		Lbyy	N/A	N/A	Lateral
69	M111	W10X19	21		Lbyy	N/A	N/A	Gravity
70	M116	C10X15.3	8		Lbyy	N/A	N/A	Gravity
71	M260	C10X15.3	6.583		Lbyy	N/A	N/A	Lateral
72	M259	C10X15.3	6.583		Lbyy	N/A	N/A	Lateral
73	M232	C10X15.3	6.583		Lbyy	N/A	N/A	Lateral
74	M257	W10X45	36		6	N/A	N/A	Lateral
75	M241	W10X26	22		3	N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [ft]	Lb y-y [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
76	M247	W10X19	21		0	N/A	N/A	Lateral
77	M244	W10X19	21		Lbyy	N/A	N/A	Lateral
78	M240	W10X26	22		3	N/A	N/A	Lateral
79	M256	C10X15.3	5.333		Lbyy	N/A	N/A	Lateral
80	M255	C10X15.3	5.334		Lbyy	N/A	N/A	Lateral
81	M182	C10X15.3	20		Lbyy	N/A	N/A	Lateral
82	M253	C10X15.3	5.333		Lbyy	N/A	N/A	Lateral
83	M252A	C10X15.3	5.334		Lbyy	N/A	N/A	Lateral
84	M251A	C10X15.3	5.333		Lbyy	N/A	N/A	Lateral
85	M132	W14X48	20	22	Lbyy	N/A	N/A	Lateral
86	M128	C10X15.3	5		Lbyy	N/A	N/A	Lateral
87	M126	C10X15.3	8		Lbyy	N/A	N/A	Lateral
88	M124	C10X15.3	8		Lbyy	N/A	N/A	Gravity
89	M122	C10X15.3	8		Lbyy	N/A	N/A	Gravity
90	M120	C10X15.3	8		Lbyy	N/A	N/A	Gravity
91	M118	C10X15.3	8		Lbyy	N/A	N/A	Gravity
92	M114	C10X15.3	8		Lbyy	N/A	N/A	Gravity
93	M154	C10X15.3	20		Lbyy	N/A	N/A	Lateral

Diaphragms

No Data to Print...

Design Size and Code Check Parameters

	Label	Max Axial/Bending Chk	Max Shear Chk
1	R1	1	1

Nodal Loads and Enforced Displacements

No Data to Print...

Member Distributed Loads (BLC 3 : ROOF SN+drift)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M21	Z	-126	-126	0	%100
2	M19	Z	-126	-126	0	%100
3	M99	Z	-126	-126	0	%100
4	M101	Z	-120.752	-120.752	0	%100
5	M3	Z	-120.752	-120.752	0	%100
6	M23	Z	-120.752	-120.752	0	%100
7	M25	Z	-88.648	-88.648	0	%100
8	M4	Z	-88.648	-88.648	0	%100
9	M103	Z	-88.648	-88.648	0	%100
10	M27	Z	-43.693	-43.693	0	%100
11	M5	Z	-43.693	-43.693	0	%100
12	M105	Z	-43.693	-43.693	0	%100
13	M107	Z	-5.304	-5.304	0	%100
14	M6	Z	-5.304	-5.304	0	%100
15	M29	Z	-5.304	-5.304	0	%100

Member Distributed Loads (BLC 4 : WL E-W)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M58	X	-672	-672	0	%100
2	M136	X	-672	-672	0	%100

Member Distributed Loads (BLC 4 : WL E-W) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
3	M159	X	-420	-420	0	%100
4	M158	X	-420	-420	0	%100

Member Distributed Loads (BLC 5 : WL N-S)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M56	Y	1140	1140	0	%100
2	M180	Y	156	156	0	%100
3	M159	Y	520	520	0	%100
4	M182	Y	156	156	0	%100

Member Distributed Loads (BLC 9 :)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M56	Y	1140	1140	0	%100

Member Distributed Loads (BLC 10 :)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M56	Y	1140	1140	0	%100

Member Distributed Loads (BLC 8 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M8	Z	-29.81	-26.085	0	2
2	M8	Z	-26.085	-24.223	2	4
3	M8	Z	-24.223	-26.087	4	6
4	M8	Z	-26.087	-28.019	6	8
5	M8	Z	-28.019	-28.157	8	10
6	M7	Z	-30	-30	5.551e-16	10
7	M3	Z	-27.5	-27.5	4.441e-16	10
8	M4	Z	-30	-30	5.551e-16	10
9	M6	Z	-30	-30	5.551e-16	10
10	M5	Z	-30	-30	5.551e-16	10
11	M170	Z	-8.934	-8.872	0	1.333
12	M170	Z	-8.872	-10.102	1.333	2.667
13	M170	Z	-10.102	-12.624	2.667	4
14	M173	Z	-9.138	-14.737	0	2.5
15	M173	Z	-14.737	-20.335	2.5	5
16	M196	Z	-12.656	-12.656	4.885e-15	4
17	M169	Z	-12.863	-10.885	0	0.5
18	M169	Z	-10.885	-8.907	0.5	1
19	M168	Z	-5.599	-15.066	0	1.375
20	M168	Z	-15.066	-14.749	1.375	2.75
21	M168	Z	-14.749	-12.157	2.75	4.125
22	M168	Z	-12.157	-17.073	4.125	5.5
23	M146	Z	-12.5	-12.5	0.002	2.389
24	M176	Z	-12.584	-12.584	0.068	4
25	M177	Z	-12.646	-10.104	0	1.333
26	M177	Z	-10.104	-8.858	1.333	2.667
27	M177	Z	-8.858	-8.907	2.667	4
28	M178	Z	-8.951	-10.916	0	0.5
29	M178	Z	-10.916	-12.881	0.5	1
30	M179	Z	-17.096	-12.169	0	1.375

Member Distributed Loads (BLC 8 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
31	M179	Z	-12.169	-14.75	1.375	2.75
32	M179	Z	-14.75	-15.064	2.75	4.125
33	M179	Z	-15.064	-5.6	4.125	5.5
34	M172	Z	-12.656	-12.656	0	4
35	M171	Z	-12.585	-12.585	0	3.932
36	M175	Z	-12.563	-12.563	0.259	4.997
37	M181	Z	-12.5	-12.5	0.111	2.498
38	M107	Z	-30	-30	2.109e-15	21
39	M105	Z	-30	-30	1.998e-15	21
40	M103	Z	-30	-30	1.454e-14	21
41	M101	Z	-27.5	-27.5	9.77e-15	21
42	M99	Z	-12.5	-12.5	9.659e-15	21
43	M29	Z	-30	-30	3.664e-15	21
44	M27	Z	-30	-30	3.664e-15	21
45	M25	Z	-30	-30	3.664e-15	21
46	M23	Z	-27.5	-27.5	5.44e-15	21
47	M21	Z	-12.5	-12.5	3.886e-15	21
48	M19	Z	-12.5	-12.5	4.441e-16	10
49	M109	Z	-30	-30	1.499e-14	21
50	M111	Z	-28.157	-27.862	0	2.1
51	M111	Z	-27.862	-27.851	2.1	4.2
52	M111	Z	-27.851	-26.35	4.2	6.3
53	M111	Z	-26.35	-26.773	6.3	8.4
54	M111	Z	-26.773	-30.759	8.4	10.5
55	M111	Z	-30.759	-29.88	10.5	12.6
56	M111	Z	-29.88	-27.21	12.6	14.7
57	M111	Z	-27.21	-27.344	14.7	16.8
58	M111	Z	-27.344	-27.344	16.8	18.9
59	M111	Z	-27.344	-27.344	18.9	21
60	M247	Z	-28.149	-27.871	0	2.1
61	M247	Z	-27.871	-28.455	2.1	4.2
62	M247	Z	-28.455	-27.66	4.2	6.3
63	M247	Z	-27.66	-26.784	6.3	8.4
64	M247	Z	-26.784	-29.105	8.4	10.5
65	M247	Z	-29.105	-29.042	10.5	12.6
66	M247	Z	-29.042	-27.33	12.6	14.7
67	M247	Z	-27.33	-27.352	14.7	16.8
68	M247	Z	-27.352	-27.344	16.8	18.9
69	M247	Z	-27.344	-27.344	18.9	21
70	M244	Z	-29.991	-30.01	0	2.1
71	M244	Z	-30.01	-30.608	2.1	4.2
72	M244	Z	-30.608	-29.514	4.2	6.3
73	M244	Z	-29.514	-28.136	6.3	8.4
74	M244	Z	-28.136	-30.603	8.4	10.5
75	M244	Z	-30.603	-31.477	10.5	12.6
76	M244	Z	-31.477	-30.101	12.6	14.7
77	M244	Z	-30.101	-30.008	14.7	16.8
78	M244	Z	-30.008	-30	16.8	18.9
79	M244	Z	-30	-30	18.9	21
80	M168	Z	-12.696	-19.732	0	1.1
81	M168	Z	-19.732	-23.004	1.1	2.2
82	M168	Z	-23.004	-19.026	2.2	3.3
83	M168	Z	-19.026	-15.283	3.3	4.4
84	M168	Z	-15.283	-15.26	4.4	5.5
85	M146	Z	-16.422	-15.95	0	1.25

Member Distributed Loads (BLC 8 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
86	M146	Z	-15.95	-15.478	1.25	2.5
87	M48	Z	-18.833	-19.833	0	1.6
88	M48	Z	-19.833	-19.743	1.6	3.2
89	M48	Z	-19.743	-19.749	3.2	4.8
90	M48	Z	-19.749	-19.849	4.8	6.4
91	M48	Z	-19.849	-18.856	6.4	8
92	M46	Z	-33.809	-29.193	0	1.6
93	M46	Z	-29.193	-31.877	1.6	3.2
94	M46	Z	-31.877	-31.856	3.2	4.8
95	M46	Z	-31.856	-29.166	4.8	6.4
96	M46	Z	-29.166	-33.809	6.4	8
97	M44	Z	-44.788	-25.481	0	1.6
98	M44	Z	-25.481	-25.17	1.6	3.2
99	M44	Z	-25.17	-25.169	3.2	4.8
100	M44	Z	-25.169	-25.477	4.8	6.4
101	M44	Z	-25.477	-44.78	6.4	8
102	M42	Z	-30	-30	5.551e-16	8
103	M40	Z	-30	-30	5.551e-16	8
104	M38	Z	-30	-30	5.551e-16	8
105	M36	Z	-49.676	-28.813	0	1.6
106	M36	Z	-28.813	-28.397	1.6	3.2
107	M36	Z	-28.397	-28.251	3.2	4.8
108	M36	Z	-28.251	-28.116	4.8	6.4
109	M36	Z	-28.116	-48.172	6.4	8
110	M179	Z	-15.26	-15.282	0	1.1
111	M179	Z	-15.282	-19.024	1.1	2.2
112	M179	Z	-19.024	-23.004	2.2	3.3
113	M179	Z	-23.004	-19.733	3.3	4.4
114	M179	Z	-19.733	-12.696	4.4	5.5
115	M181	Z	-15.481	-15.95	0	1.25
116	M181	Z	-15.95	-16.42	1.25	2.5
117	M116	Z	-30	-30	5.551e-16	8
118	M126	Z	-18.856	-19.849	0	1.6
119	M126	Z	-19.849	-19.749	1.6	3.2
120	M126	Z	-19.749	-19.743	3.2	4.8
121	M126	Z	-19.743	-19.833	4.8	6.4
122	M126	Z	-19.833	-18.833	6.4	8
123	M124	Z	-33.809	-29.166	0	1.6
124	M124	Z	-29.166	-31.856	1.6	3.2
125	M124	Z	-31.856	-31.877	3.2	4.8
126	M124	Z	-31.877	-29.193	4.8	6.4
127	M124	Z	-29.193	-33.809	6.4	8
128	M122	Z	-44.78	-25.477	0	1.6
129	M122	Z	-25.477	-25.169	1.6	3.2
130	M122	Z	-25.169	-25.17	3.2	4.8
131	M122	Z	-25.17	-25.481	4.8	6.4
132	M122	Z	-25.481	-44.788	6.4	8
133	M120	Z	-30	-30	5.551e-16	8
134	M118	Z	-30	-30	5.551e-16	8
135	M114	Z	-49.675	-28.814	0	1.6
136	M114	Z	-28.814	-28.399	1.6	3.2
137	M114	Z	-28.399	-28.25	3.2	4.8
138	M114	Z	-28.25	-28.114	4.8	6.4
139	M114	Z	-28.114	-48.172	6.4	8
140	M254	Z	-33.903	-32.11	0	1.067

Member Distributed Loads (BLC 8 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
141	M254	Z	-32.11	-40.508	1.067	2.133
142	M254	Z	-40.508	-40.51	2.133	3.2
143	M254	Z	-40.51	-32.12	3.2	4.266
144	M254	Z	-32.12	-33.926	4.266	5.333
145	M95	Z	-23.024	-34.574	0	1
146	M95	Z	-34.574	-43.499	1	2
147	M95	Z	-43.499	-43.498	2	3
148	M95	Z	-43.498	-34.572	3	4
149	M95	Z	-34.572	-23.024	4	5
150	M50	Z	-25.78	-20.033	0	1
151	M50	Z	-20.033	-25.648	1	2
152	M50	Z	-25.648	-27.524	2	3
153	M50	Z	-27.524	-21.091	3	4
154	M50	Z	-21.091	-21.451	4	5
155	M48	Z	-6.814	-11.524	0	2
156	M48	Z	-11.524	-13.608	2	4
157	M48	Z	-13.608	-13.103	4	6
158	M48	Z	-13.103	-12.632	6	8
159	M17	Z	-23.023	-34.57	0	1
160	M17	Z	-34.57	-43.496	1	2
161	M17	Z	-43.496	-43.498	2	3
162	M17	Z	-43.498	-34.572	3	4
163	M17	Z	-34.572	-23.023	4	5
164	M256	Z	-37.354	-33.12	0	1.067
165	M256	Z	-33.12	-31.461	1.067	2.133
166	M256	Z	-31.461	-24.422	2.133	3.2
167	M256	Z	-24.422	-21.612	3.2	4.266
168	M256	Z	-21.612	-30.988	4.266	5.333
169	M255	Z	-33.903	-32.111	0	1.067
170	M255	Z	-32.111	-40.51	1.067	2.134
171	M255	Z	-40.51	-40.512	2.134	3.2
172	M255	Z	-40.512	-32.122	3.2	4.267
173	M255	Z	-32.122	-33.926	4.267	5.334
174	M253	Z	-33.919	-32.117	0	1.067
175	M253	Z	-32.117	-40.509	1.067	2.133
176	M253	Z	-40.509	-40.51	2.133	3.2
177	M253	Z	-40.51	-32.118	3.2	4.266
178	M253	Z	-32.118	-33.919	4.266	5.333
179	M252A	Z	-33.902	-32.109	0	1.067
180	M252A	Z	-32.109	-40.505	1.067	2.134
181	M252A	Z	-40.505	-40.509	2.134	3.2
182	M252A	Z	-40.509	-32.122	3.2	4.267
183	M252A	Z	-32.122	-33.928	4.267	5.334
184	M251A	Z	-36.927	-22.418	0	1.067
185	M251A	Z	-22.418	-23.32	1.067	2.133
186	M251A	Z	-23.32	-31.089	2.133	3.2
187	M251A	Z	-31.089	-32.833	3.2	4.266
188	M251A	Z	-32.833	-37.095	4.266	5.333
189	M128	Z	-26.09	-19.673	0	1
190	M128	Z	-19.673	-30.007	1	2
191	M128	Z	-30.007	-36.675	2	3
192	M128	Z	-36.675	-27.619	3	4
193	M128	Z	-27.619	-23.251	4	5
194	M126	Z	-10.007	-7.971	0	2
195	M126	Z	-7.971	-7.481	2	4

Member Distributed Loads (BLC 8 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
196	M126	Z	-7.481	-10.461	4	6
197	M126	Z	-10.461	-15.367	6	8
198	M257	Z	-37.875	-31.712	0	2
199	M257	Z	-31.712	-27.325	2	4
200	M257	Z	-27.325	-25.382	4	6
201	M257	Z	-25.382	-30.452	6	8
202	M257	Z	-30.452	-33.001	8	10
203	M257	Z	-33.001	-31.168	10	12
204	M257	Z	-31.168	-26.754	12	14
205	M257	Z	-26.754	-27.746	14	16
206	M257	Z	-27.746	-35.889	16	18
207	M257	Z	-35.889	-27.924	18	20
208	M257	Z	-27.924	-25.215	20	22
209	M257	Z	-25.215	-29.172	22	24
210	M257	Z	-29.172	-33.13	24	26
211	M257	Z	-33.13	-33.132	26	28
212	M257	Z	-33.132	-26.469	28	30
213	M257	Z	-26.469	-26.469	30	32
214	M257	Z	-26.469	-30.637	32	34
215	M257	Z	-30.637	-38.973	34	36
216	M200	Z	-13.101	-13.728	0	2.167
217	M200	Z	-13.728	-14.249	2.167	4.333
218	M200	Z	-14.249	-15.979	4.333	6.5
219	M200	Z	-15.979	-17.274	6.5	8.667
220	M200	Z	-17.274	-17.08	8.667	10.833
221	M200	Z	-17.08	-17.147	10.833	13
222	M170	Z	-24.441	-10.973	0	0.8
223	M170	Z	-10.973	-10.731	0.8	1.6
224	M170	Z	-10.731	-15.355	1.6	2.4
225	M170	Z	-15.355	-9.842	2.4	3.2
226	M170	Z	-9.842	-2.554	3.2	4
227	M199	Z	-20.6	-14.854	0	2
228	M199	Z	-14.854	-12.209	2	4
229	M199	Z	-12.209	-13.126	4	6
230	M199	Z	-13.126	-16.195	6	8
231	M199	Z	-16.195	-20.952	8	10
232	M173	Z	-13.528	-12.7	0	1.25
233	M173	Z	-12.7	-14.118	1.25	2.5
234	M173	Z	-14.118	-16.281	2.5	3.75
235	M173	Z	-16.281	-16.944	3.75	5
236	M196	Z	-10.616	-18.879	0	1
237	M196	Z	-18.879	-18.882	1	2
238	M196	Z	-18.882	-14.969	2	3
239	M196	Z	-14.969	-15.402	3	4
240	M169	Z	-2.443	-18.879	0	1
241	M176	Z	-14.974	-14.432	0	1
242	M176	Z	-14.432	-13.62	1	2
243	M176	Z	-13.62	-12.513	2	3
244	M176	Z	-12.513	-11.383	3	4
245	M177	Z	-13.505	-13.583	0	0.8
246	M177	Z	-13.583	-13.522	0.8	1.6
247	M177	Z	-13.522	-13.043	1.6	2.4
248	M177	Z	-13.043	-15.103	2.4	3.2
249	M177	Z	-15.103	-19.983	3.2	4
250	M178	Z	-7.372	-13.583	0	1

Member Distributed Loads (BLC 8 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
251	M198	Z	-18.181	-18.451	0	2.167
252	M198	Z	-18.451	-17.11	2.167	4.333
253	M198	Z	-17.11	-15.191	4.333	6.5
254	M198	Z	-15.191	-14.43	6.5	8.667
255	M198	Z	-14.43	-13.782	8.667	10.833
256	M198	Z	-13.782	-13.122	10.833	13
257	M172	Z	-15.692	-15.102	0	1
258	M172	Z	-15.102	-18.907	1	2
259	M172	Z	-18.907	-18.874	2	3
260	M172	Z	-18.874	-10.607	3	4
261	M171	Z	-14.443	-14.88	0	1
262	M171	Z	-14.88	-15.16	1	2
263	M171	Z	-15.16	-15.179	2	3
264	M171	Z	-15.179	-15.092	3	4
265	M175	Z	-21.509	-15.722	0	1.25
266	M175	Z	-15.722	-12.51	1.25	2.5
267	M175	Z	-12.51	-12.566	2.5	3.75
268	M175	Z	-12.566	-13.317	3.75	5

Member Distributed Loads (BLC 11 : BLC 2 Transient Area Loads)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M175	Z	-43.018	-31.444	0	1.25
2	M175	Z	-31.444	-25.019	1.25	2.5
3	M175	Z	-25.019	-25.132	2.5	3.75
4	M175	Z	-25.132	-26.634	3.75	5
5	M8	Z	-59.621	-52.169	0	2
6	M8	Z	-52.169	-48.447	2	4
7	M8	Z	-48.447	-52.175	4	6
8	M8	Z	-52.175	-56.037	6	8
9	M8	Z	-56.037	-56.315	8	10
10	M7	Z	-60	-60	5.551e-16	10
11	M3	Z	-55	-55	4.441e-16	10
12	M4	Z	-60	-60	5.551e-16	10
13	M6	Z	-60	-60	5.551e-16	10
14	M5	Z	-60	-60	5.551e-16	10
15	M170	Z	-17.867	-17.744	0	1.333
16	M170	Z	-17.744	-20.204	1.333	2.667
17	M170	Z	-20.204	-25.248	2.667	4
18	M173	Z	-18.277	-29.473	0	2.5
19	M173	Z	-29.473	-40.67	2.5	5
20	M196	Z	-25.313	-25.313	4.885e-15	4
21	M169	Z	-25.726	-21.77	0	0.5
22	M169	Z	-21.77	-17.814	0.5	1
23	M168	Z	-11.199	-30.133	0	1.375
24	M168	Z	-30.133	-29.499	1.375	2.75
25	M168	Z	-29.499	-24.313	2.75	4.125
26	M168	Z	-24.313	-34.145	4.125	5.5
27	M146	Z	-25	-25	0.002	2.389
28	M176	Z	-25.169	-25.169	0.068	4
29	M177	Z	-25.292	-20.209	0	1.333
30	M177	Z	-20.209	-17.716	1.333	2.667
31	M177	Z	-17.716	-17.813	2.667	4
32	M178	Z	-17.902	-21.831	0	0.5
33	M178	Z	-21.831	-25.761	0.5	1
34	M179	Z	-34.193	-24.338	0	1.375

Member Distributed Loads (BLC 11 : BLC 2 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
35	M179	Z	-24.338	-29.501	1.375	2.75
36	M179	Z	-29.501	-30.128	2.75	4.125
37	M179	Z	-30.128	-11.2	4.125	5.5
38	M172	Z	-25.313	-25.313	0	4
39	M171	Z	-25.169	-25.169	0	3.932
40	M175	Z	-25.126	-25.126	0.259	4.997
41	M181	Z	-25	-25	0.111	2.498
42	M107	Z	-60	-60	2.109e-15	21
43	M105	Z	-60	-60	1.998e-15	21
44	M103	Z	-60	-60	1.454e-14	21
45	M101	Z	-55	-55	9.77e-15	21
46	M99	Z	-25	-25	9.659e-15	21
47	M29	Z	-60	-60	3.664e-15	21
48	M27	Z	-60	-60	3.664e-15	21
49	M25	Z	-60	-60	3.664e-15	21
50	M23	Z	-55	-55	5.44e-15	21
51	M21	Z	-25	-25	3.886e-15	21
52	M19	Z	-25	-25	4.441e-16	10
53	M109	Z	-60	-60	1.499e-14	21
54	M111	Z	-56.315	-55.723	0	2.1
55	M111	Z	-55.723	-55.703	2.1	4.2
56	M111	Z	-55.703	-52.7	4.2	6.3
57	M111	Z	-52.7	-53.546	6.3	8.4
58	M111	Z	-53.546	-61.518	8.4	10.5
59	M111	Z	-61.518	-59.759	10.5	12.6
60	M111	Z	-59.759	-54.419	12.6	14.7
61	M111	Z	-54.419	-54.688	14.7	16.8
62	M111	Z	-54.688	-54.688	16.8	18.9
63	M111	Z	-54.688	-54.688	18.9	21
64	M247	Z	-56.298	-55.743	0	2.1
65	M247	Z	-55.743	-56.91	2.1	4.2
66	M247	Z	-56.91	-55.319	4.2	6.3
67	M247	Z	-55.319	-53.567	6.3	8.4
68	M247	Z	-53.567	-58.21	8.4	10.5
69	M247	Z	-58.21	-58.084	10.5	12.6
70	M247	Z	-58.084	-54.66	12.6	14.7
71	M247	Z	-54.66	-54.705	14.7	16.8
72	M247	Z	-54.705	-54.689	16.8	18.9
73	M247	Z	-54.689	-54.689	18.9	21
74	M244	Z	-59.982	-60.02	0	2.1
75	M244	Z	-60.02	-61.215	2.1	4.2
76	M244	Z	-61.215	-59.029	4.2	6.3
77	M244	Z	-59.029	-56.272	6.3	8.4
78	M244	Z	-56.272	-61.207	8.4	10.5
79	M244	Z	-61.207	-62.954	10.5	12.6
80	M244	Z	-62.954	-60.202	12.6	14.7
81	M244	Z	-60.202	-60.017	14.7	16.8
82	M244	Z	-60.017	-60.001	16.8	18.9
83	M244	Z	-60.001	-60.001	18.9	21
84	M168	Z	-25.393	-39.464	0	1.1
85	M168	Z	-39.464	-46.008	1.1	2.2
86	M168	Z	-46.008	-38.052	2.2	3.3
87	M168	Z	-38.052	-30.565	3.3	4.4
88	M168	Z	-30.565	-30.521	4.4	5.5
89	M146	Z	-32.843	-31.9	0	1.25

Member Distributed Loads (BLC 11 : BLC 2 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
90	M146	Z	-31.9	-30.956	1.25	2.5
91	M48	Z	-37.667	-39.665	0	1.6
92	M48	Z	-39.665	-39.486	1.6	3.2
93	M48	Z	-39.486	-39.499	3.2	4.8
94	M48	Z	-39.499	-39.697	4.8	6.4
95	M48	Z	-39.697	-37.712	6.4	8
96	M46	Z	-67.617	-58.386	0	1.6
97	M46	Z	-58.386	-63.754	1.6	3.2
98	M46	Z	-63.754	-63.713	3.2	4.8
99	M46	Z	-63.713	-58.331	4.8	6.4
100	M46	Z	-58.331	-67.619	6.4	8
101	M44	Z	-89.577	-50.961	0	1.6
102	M44	Z	-50.961	-50.34	1.6	3.2
103	M44	Z	-50.34	-50.339	3.2	4.8
104	M44	Z	-50.339	-50.954	4.8	6.4
105	M44	Z	-50.954	-89.559	6.4	8
106	M42	Z	-60	-60	5.551e-16	8
107	M40	Z	-60	-60	5.551e-16	8
108	M38	Z	-60	-60	5.551e-16	8
109	M36	Z	-99.351	-57.625	0	1.6
110	M36	Z	-57.625	-56.794	1.6	3.2
111	M36	Z	-56.794	-56.501	3.2	4.8
112	M36	Z	-56.501	-56.233	4.8	6.4
113	M36	Z	-56.233	-96.343	6.4	8
114	M179	Z	-30.521	-30.565	0	1.1
115	M179	Z	-30.565	-38.049	1.1	2.2
116	M179	Z	-38.049	-46.008	2.2	3.3
117	M179	Z	-46.008	-39.467	3.3	4.4
118	M179	Z	-39.467	-25.392	4.4	5.5
119	M181	Z	-30.962	-31.901	0	1.25
120	M181	Z	-31.901	-32.84	1.25	2.5
121	M116	Z	-60	-60	5.551e-16	8
122	M126	Z	-37.712	-39.697	0	1.6
123	M126	Z	-39.697	-39.499	1.6	3.2
124	M126	Z	-39.499	-39.486	3.2	4.8
125	M126	Z	-39.486	-39.665	4.8	6.4
126	M126	Z	-39.665	-37.667	6.4	8
127	M124	Z	-67.619	-58.331	0	1.6
128	M124	Z	-58.331	-63.713	1.6	3.2
129	M124	Z	-63.713	-63.754	3.2	4.8
130	M124	Z	-63.754	-58.386	4.8	6.4
131	M124	Z	-58.386	-67.617	6.4	8
132	M122	Z	-89.559	-50.954	0	1.6
133	M122	Z	-50.954	-50.339	1.6	3.2
134	M122	Z	-50.339	-50.34	3.2	4.8
135	M122	Z	-50.34	-50.961	4.8	6.4
136	M122	Z	-50.961	-89.577	6.4	8
137	M120	Z	-60	-60	5.551e-16	8
138	M118	Z	-60	-60	5.551e-16	8
139	M114	Z	-99.351	-57.628	0	1.6
140	M114	Z	-57.628	-56.798	1.6	3.2
141	M114	Z	-56.798	-56.499	3.2	4.8
142	M114	Z	-56.499	-56.228	4.8	6.4
143	M114	Z	-56.228	-96.344	6.4	8
144	M254	Z	-67.807	-64.221	0	1.067

Member Distributed Loads (BLC 11 : BLC 2 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
145	M254	Z	-64.221	-81.017	1.067	2.133
146	M254	Z	-81.017	-81.021	2.133	3.2
147	M254	Z	-81.021	-64.24	3.2	4.266
148	M254	Z	-64.24	-67.851	4.266	5.333
149	M95	Z	-46.048	-69.147	0	1
150	M95	Z	-69.147	-86.999	1	2
151	M95	Z	-86.999	-86.996	2	3
152	M95	Z	-86.996	-69.143	3	4
153	M95	Z	-69.143	-46.049	4	5
154	M50	Z	-51.56	-40.066	0	1
155	M50	Z	-40.066	-51.297	1	2
156	M50	Z	-51.297	-55.049	2	3
157	M50	Z	-55.049	-42.182	3	4
158	M50	Z	-42.182	-42.902	4	5
159	M48	Z	-13.629	-23.047	0	2
160	M48	Z	-23.047	-27.216	2	4
161	M48	Z	-27.216	-26.205	4	6
162	M48	Z	-26.205	-25.265	6	8
163	M17	Z	-46.046	-69.141	0	1
164	M17	Z	-69.141	-86.992	1	2
165	M17	Z	-86.992	-86.996	2	3
166	M17	Z	-86.996	-69.145	3	4
167	M17	Z	-69.145	-46.045	4	5
168	M256	Z	-74.707	-66.241	0	1.067
169	M256	Z	-66.241	-62.923	1.067	2.133
170	M256	Z	-62.923	-48.843	2.133	3.2
171	M256	Z	-48.843	-43.224	3.2	4.266
172	M256	Z	-43.224	-61.976	4.266	5.333
173	M255	Z	-67.806	-64.222	0	1.067
174	M255	Z	-64.222	-81.02	1.067	2.134
175	M255	Z	-81.02	-81.025	2.134	3.2
176	M255	Z	-81.025	-64.243	3.2	4.267
177	M255	Z	-64.243	-67.853	4.267	5.334
178	M253	Z	-67.837	-64.233	0	1.067
179	M253	Z	-64.233	-81.018	1.067	2.133
180	M253	Z	-81.018	-81.021	2.133	3.2
181	M253	Z	-81.021	-64.236	3.2	4.266
182	M253	Z	-64.236	-67.837	4.266	5.333
183	M252A	Z	-67.804	-64.218	0	1.067
184	M252A	Z	-64.218	-81.01	1.067	2.134
185	M252A	Z	-81.01	-81.017	2.134	3.2
186	M252A	Z	-81.017	-64.245	3.2	4.267
187	M252A	Z	-64.245	-67.857	4.267	5.334
188	M251A	Z	-73.854	-44.835	0	1.067
189	M251A	Z	-44.835	-46.639	1.067	2.133
190	M251A	Z	-46.639	-62.178	2.133	3.2
191	M251A	Z	-62.178	-65.666	3.2	4.266
192	M251A	Z	-65.666	-74.189	4.266	5.333
193	M128	Z	-52.18	-39.347	0	1
194	M128	Z	-39.347	-60.013	1	2
195	M128	Z	-60.013	-73.351	2	3
196	M128	Z	-73.351	-55.238	3	4
197	M128	Z	-55.238	-46.502	4	5
198	M126	Z	-20.014	-15.941	0	2
199	M126	Z	-15.941	-14.961	2	4

Member Distributed Loads (BLC 11 : BLC 2 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
200	M126	Z	-14.961	-20.923	4	6
201	M126	Z	-20.923	-30.734	6	8
202	M257	Z	-75.75	-63.425	0	2
203	M257	Z	-63.425	-54.65	2	4
204	M257	Z	-54.65	-50.763	4	6
205	M257	Z	-50.763	-60.903	6	8
206	M257	Z	-60.903	-66.002	8	10
207	M257	Z	-66.002	-62.337	10	12
208	M257	Z	-62.337	-53.508	12	14
209	M257	Z	-53.508	-55.492	14	16
210	M257	Z	-55.492	-71.777	16	18
211	M257	Z	-71.777	-55.847	18	20
212	M257	Z	-55.847	-50.43	20	22
213	M257	Z	-50.43	-58.345	22	24
214	M257	Z	-58.345	-66.26	24	26
215	M257	Z	-66.26	-66.265	26	28
216	M257	Z	-66.265	-52.937	28	30
217	M257	Z	-52.937	-52.937	30	32
218	M257	Z	-52.937	-61.274	32	34
219	M257	Z	-61.274	-77.947	34	36
220	M200	Z	-26.202	-27.457	0	2.167
221	M200	Z	-27.457	-28.498	2.167	4.333
222	M200	Z	-28.498	-31.958	4.333	6.5
223	M200	Z	-31.958	-34.549	6.5	8.667
224	M200	Z	-34.549	-34.16	8.667	10.833
225	M200	Z	-34.16	-34.295	10.833	13
226	M170	Z	-48.882	-21.946	0	0.8
227	M170	Z	-21.946	-21.463	0.8	1.6
228	M170	Z	-21.463	-30.71	1.6	2.4
229	M170	Z	-30.71	-19.684	2.4	3.2
230	M170	Z	-19.684	-5.107	3.2	4
231	M199	Z	-41.199	-29.707	0	2
232	M199	Z	-29.707	-24.417	2	4
233	M199	Z	-24.417	-26.252	4	6
234	M199	Z	-26.252	-32.389	6	8
235	M199	Z	-32.389	-41.905	8	10
236	M173	Z	-27.057	-25.4	0	1.25
237	M173	Z	-25.4	-28.236	1.25	2.5
238	M173	Z	-28.236	-32.563	2.5	3.75
239	M173	Z	-32.563	-33.888	3.75	5
240	M196	Z	-21.232	-37.758	0	1
241	M196	Z	-37.758	-37.763	1	2
242	M196	Z	-37.763	-29.938	2	3
243	M196	Z	-29.938	-30.803	3	4
244	M169	Z	-4.885	-37.758	0	1
245	M176	Z	-29.947	-28.865	0	1
246	M176	Z	-28.865	-27.24	1	2
247	M176	Z	-27.24	-25.027	2	3
248	M176	Z	-25.027	-22.767	3	4
249	M177	Z	-27.01	-27.167	0	0.8
250	M177	Z	-27.167	-27.045	0.8	1.6
251	M177	Z	-27.045	-26.086	1.6	2.4
252	M177	Z	-26.086	-30.207	2.4	3.2
253	M177	Z	-30.207	-39.967	3.2	4
254	M178	Z	-14.745	-27.167	0	1

Member Distributed Loads (BLC 11 : BLC 2 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
255	M198	Z	-36.362	-36.901	0	2.167
256	M198	Z	-36.901	-34.22	2.167	4.333
257	M198	Z	-34.22	-30.383	4.333	6.5
258	M198	Z	-30.383	-28.861	6.5	8.667
259	M198	Z	-28.861	-27.564	8.667	10.833
260	M198	Z	-27.564	-26.243	10.833	13
261	M172	Z	-31.384	-30.204	0	1
262	M172	Z	-30.204	-37.815	1	2
263	M172	Z	-37.815	-37.749	2	3
264	M172	Z	-37.749	-21.215	3	4
265	M171	Z	-28.887	-29.759	0	1
266	M171	Z	-29.759	-30.321	1	2
267	M171	Z	-30.321	-30.359	2	3
268	M171	Z	-30.359	-30.185	3	4

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M8	Z	-113.557	-91.361	1	2.6
2	M8	Z	-91.361	-98.366	2.6	4.2
3	M8	Z	-98.366	-107.359	4.2	5.8
4	M8	Z	-107.359	-100.658	5.8	7.4
5	M8	Z	-100.658	-105.473	7.4	9
6	M7	Z	-115.8	-115.8	1	9
7	M3	Z	-106.15	-106.15	1	9
8	M4	Z	-115.8	-115.8	1	9
9	M6	Z	-115.8	-115.8	1	9
10	M5	Z	-115.8	-115.8	1	9
11	M170	Z	-34.484	-34.245	0	1.333
12	M170	Z	-34.245	-38.994	1.333	2.667
13	M170	Z	-38.994	-48.729	2.667	4
14	M173	Z	-63.569	-56.771	1	3
15	M173	Z	-56.771	-49.974	3	5
16	M196	Z	-49.058	-49.058	1.013	4
17	M169	Z	-49.651	-42.016	0	0.5
18	M169	Z	-42.016	-34.381	0.5	1
19	M168	Z	-21.614	-58.156	0	1.375
20	M168	Z	-58.156	-56.932	1.375	2.75
21	M168	Z	-56.932	-46.925	2.75	4.125
22	M168	Z	-46.925	-65.9	4.125	5.5
23	M146	Z	-57.345	-57.345	1.293	2.293
24	M176	Z	-48.576	-48.576	0.068	4
25	M177	Z	-48.814	-39.003	0	1.333
26	M177	Z	-39.003	-34.191	1.333	2.667
27	M177	Z	-34.191	-34.38	2.667	4
28	M178	Z	-34.55	-42.135	0	0.5
29	M178	Z	-42.135	-49.719	0.5	1
30	M179	Z	-65.992	-46.973	0	1.375
31	M179	Z	-46.973	-56.937	1.375	2.75
32	M179	Z	-56.937	-58.146	2.75	4.125
33	M179	Z	-58.146	-21.617	4.125	5.5
34	M172	Z	-49.058	-49.058	0	2.987
35	M171	Z	-48.577	-48.577	0	3.932
36	M174	Z	-59.748	-72.843	0	3.021
37	M174	Z	-72.843	-79.39	3.021	6.043
38	M174	Z	-79.39	-79.39	6.043	9.064

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
39	M174	Z	-79.39	-79.39	9.064	12.086
40	M174	Z	-79.39	-79.39	12.086	15.107
41	M174	Z	-79.39	-74.44	15.107	18.129
42	M174	Z	-74.44	-64.539	18.129	21.15
43	M175	Z	-48.576	-48.576	0.259	3.81
44	M181	Z	-57.345	-57.345	0.207	1.207
45	M1	Z	-59.749	-72.844	0	3.021
46	M1	Z	-72.844	-79.391	3.021	6.043
47	M1	Z	-79.391	-79.391	6.043	9.064
48	M1	Z	-79.391	-79.391	9.064	12.086
49	M1	Z	-79.391	-79.391	12.086	15.107
50	M1	Z	-79.391	-74.428	15.107	18.129
51	M1	Z	-74.428	-64.501	18.129	21.15
52	M107	Z	-115.8	-115.8	1.05	19.95
53	M105	Z	-115.8	-115.8	1.05	19.95
54	M103	Z	-115.8	-115.8	1.05	19.95
55	M101	Z	-106.15	-106.15	1.05	19.95
56	M99	Z	-48.25	-48.25	1.05	19.95
57	M29	Z	-115.8	-115.8	1.05	19.95
58	M27	Z	-115.8	-115.8	1.05	19.95
59	M25	Z	-115.8	-115.8	1.05	19.95
60	M23	Z	-106.15	-106.15	1.05	19.95
61	M21	Z	-48.25	-48.25	1.05	19.95
62	M19	Z	-48.25	-48.25	1	9
63	M109	Z	-115.8	-115.8	1.05	19.95
64	M111	Z	-30.083	-83.128	0	2.1
65	M111	Z	-83.128	-110.181	2.1	4.2
66	M111	Z	-110.181	-104.386	4.2	6.3
67	M111	Z	-104.386	-106.019	6.3	8.4
68	M111	Z	-106.019	-121.405	8.4	10.5
69	M111	Z	-121.405	-118.009	10.5	12.6
70	M111	Z	-118.009	-107.704	12.6	14.7
71	M111	Z	-107.704	-108.221	14.7	16.8
72	M111	Z	-108.221	-81.828	16.8	18.9
73	M111	Z	-81.828	-29.04	18.9	21
74	M247	Z	-30.05	-83.165	0	2.1
75	M247	Z	-83.165	-112.511	2.1	4.2
76	M247	Z	-112.511	-109.441	4.2	6.3
77	M247	Z	-109.441	-106.059	6.3	8.4
78	M247	Z	-106.059	-115.02	8.4	10.5
79	M247	Z	-115.02	-114.777	10.5	12.6
80	M247	Z	-114.777	-108.169	12.6	14.7
81	M247	Z	-108.169	-108.254	14.7	16.8
82	M247	Z	-108.254	-81.829	16.8	18.9
83	M247	Z	-81.829	-29.041	18.9	21
84	M244	Z	-31.811	-89.783	0	2.1
85	M244	Z	-89.783	-121.04	2.1	4.2
86	M244	Z	-121.04	-116.821	4.2	6.3
87	M244	Z	-116.821	-111.5	6.3	8.4
88	M244	Z	-111.5	-121.024	8.4	10.5
89	M244	Z	-121.024	-124.396	10.5	12.6
90	M244	Z	-124.396	-119.085	12.6	14.7
91	M244	Z	-119.085	-118.727	14.7	16.8
92	M244	Z	-118.727	-89.747	16.8	18.9
93	M244	Z	-89.747	-31.847	18.9	21

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
94	M182	Z	-32.305	-39.398	0	2.857
95	M182	Z	-39.398	-42.944	2.857	5.714
96	M182	Z	-42.944	-42.944	5.714	8.571
97	M182	Z	-42.944	-42.944	8.571	11.429
98	M182	Z	-42.944	-42.944	11.429	14.286
99	M182	Z	-42.944	-41.059	14.286	17.143
100	M182	Z	-41.059	-37.288	17.143	20
101	M154	Z	-32.305	-39.398	0	2.857
102	M154	Z	-39.398	-42.944	2.857	5.714
103	M154	Z	-42.944	-42.944	5.714	8.571
104	M154	Z	-42.944	-42.944	8.571	11.429
105	M154	Z	-42.944	-42.944	11.429	14.286
106	M154	Z	-42.944	-41.059	14.286	17.143
107	M154	Z	-41.059	-37.288	17.143	20
108	M180	Z	-19.338	-26.897	0	2.843
109	M180	Z	-26.897	-34.755	2.843	5.685
110	M180	Z	-34.755	-45.167	5.685	8.528
111	M180	Z	-45.167	-46.15	8.528	11.37
112	M180	Z	-46.15	-40.798	11.37	14.213
113	M180	Z	-40.798	-40.798	14.213	17.056
114	M180	Z	-40.798	-30.614	17.056	19.898
115	M180	Z	-30.614	-23.116	19.898	22.741
116	M180	Z	-23.116	-28.489	22.741	25.583
117	M168	Z	-50.464	-77.622	0	1.1
118	M168	Z	-77.622	-90.252	1.1	2.2
119	M168	Z	-90.252	-74.897	2.2	3.3
120	M168	Z	-74.897	-45.887	3.3	4.4
121	M168	Z	-45.887	-16.681	4.4	5.5
122	M146	Z	-15.45	-77.622	0	2.5
123	M50	Z	-14.044	-62.836	0	1
124	M50	Z	-62.836	-112.655	1	2
125	M50	Z	-112.655	-139.132	2	3
126	M50	Z	-139.132	-108.735	3	4
127	M50	Z	-108.735	-45.834	4	5
128	M48	Z	-75.662	-80.602	0	1.6
129	M48	Z	-80.602	-107.75	1.6	3.2
130	M48	Z	-107.75	-128.659	3.2	4.8
131	M48	Z	-128.659	-100.5	4.8	6.4
132	M48	Z	-100.5	-51.721	6.4	8
133	M46	Z	-37.611	-120.877	0.8	2.24
134	M46	Z	-120.877	-125.07	2.24	3.68
135	M46	Z	-125.07	-105.686	3.68	5.12
136	M46	Z	-105.686	-97.628	5.12	6.56
137	M46	Z	-97.628	-45.403	6.56	8
138	M44	Z	-41.431	-123.077	0.8	2.24
139	M44	Z	-123.077	-125.207	2.24	3.68
140	M44	Z	-125.207	-127.093	3.68	5.12
141	M44	Z	-127.093	-97.509	5.12	6.56
142	M44	Z	-97.509	-6.197	6.56	8
143	M42	Z	-115.8	-115.8	1	7
144	M40	Z	-115.8	-115.8	1	7
145	M38	Z	-115.8	-115.8	1	7
146	M36	Z	-109.848	-87.753	0	1.6
147	M36	Z	-87.753	-115.366	1.6	3.2
148	M36	Z	-115.366	-114.802	3.2	4.8

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
149	M36	Z	-114.802	-85.959	4.8	6.4
150	M36	Z	-85.959	-106.726	6.4	8
151	M240	Z	-15.366	-15.718	0	2
152	M240	Z	-15.718	-36.66	2	4
153	M240	Z	-36.66	-42.951	4	6
154	M240	Z	-42.951	-28.476	6	8
155	M240	Z	-28.476	-42.951	8	10
156	M240	Z	-42.951	-42.951	10	12
157	M240	Z	-42.951	-28.476	12	14
158	M240	Z	-28.476	-28.213	14	16
159	M240	Z	-28.213	-26.055	16	18
160	M240	Z	-26.055	-34.769	18	20
161	M240	Z	-34.769	-55.988	20	22
162	M251A	Z	-116.146	-92.043	0	0.64
163	M251A	Z	-92.043	-80.537	0.64	1.28
164	M251A	Z	-80.537	-66.532	1.28	1.92
165	M251A	Z	-66.532	-68.817	1.92	2.56
166	M251A	Z	-68.817	-102.493	2.56	3.2
167	M274	Z	-8.662	-40.181	0	1.317
168	M274	Z	-40.181	-85.695	1.317	2.633
169	M274	Z	-85.695	-148.803	2.633	3.95
170	M274	Z	-148.803	-121.495	3.95	5.267
171	M274	Z	-121.495	-6.963	5.267	6.583
172	M272	Z	-7.245	-44.544	0	1.317
173	M272	Z	-44.544	-80.641	1.317	2.633
174	M272	Z	-80.641	-184.672	2.633	3.95
175	M272	Z	-184.672	-167.519	3.95	5.267
176	M272	Z	-167.519	-7.245	5.267	6.583
177	M270	Z	-9.867	-38.389	0	1.317
178	M270	Z	-38.389	-107.338	1.317	2.633
179	M270	Z	-107.338	-167.395	2.633	3.95
180	M270	Z	-167.395	-102.261	3.95	5.267
181	M270	Z	-102.261	-4.183	5.267	6.583
182	M254	Z	-35.02	-78.076	0	1.067
183	M254	Z	-78.076	-140.74	1.067	2.133
184	M254	Z	-140.74	-140.736	2.133	3.2
185	M254	Z	-140.736	-78.083	3.2	4.266
186	M254	Z	-78.083	-35.057	4.266	5.333
187	M262	Z	-11.332	-36.603	0	1.317
188	M262	Z	-36.603	-109.761	1.317	2.633
189	M262	Z	-109.761	-177.056	2.633	3.95
190	M262	Z	-177.056	-107.725	3.95	5.267
191	M262	Z	-107.725	-4.023	5.267	6.583
192	M95	Z	-15.276	-65.621	0	1
193	M95	Z	-65.621	-127.671	1	2
194	M95	Z	-127.671	-156.315	2	3
195	M95	Z	-156.315	-93.612	3	4
196	M95	Z	-93.612	-5.847	4	5
197	M17	Z	-5.847	-93.61	0	1
198	M17	Z	-93.61	-156.312	1	2
199	M17	Z	-156.312	-127.669	2	3
200	M17	Z	-127.669	-65.62	3	4
201	M17	Z	-65.62	-15.276	4	5
202	M267	Z	-20.966	-36.266	0	1.185
203	M267	Z	-36.266	-80.605	1.185	2.37

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
204	M267	Z	-80.605	-133.857	2.37	3.555
205	M267	Z	-133.857	-123.15	3.555	4.74
206	M267	Z	-123.15	-68.61	4.74	5.925
207	M259	Z	-7.247	-44.563	0	1.317
208	M259	Z	-44.563	-80.661	1.317	2.633
209	M259	Z	-80.661	-184.683	2.633	3.95
210	M259	Z	-184.683	-167.542	3.95	5.267
211	M259	Z	-167.542	-7.247	5.267	6.583
212	M232	Z	-8.663	-40.148	0	1.317
213	M232	Z	-40.148	-85.642	1.317	2.633
214	M232	Z	-85.642	-148.644	2.633	3.95
215	M232	Z	-148.644	-121.307	3.95	5.267
216	M232	Z	-121.307	-6.951	5.267	6.583
217	M257	Z	-44.602	-24.912	0	2.25
218	M257	Z	-24.912	-46.584	2.25	4.5
219	M257	Z	-46.584	-46.696	4.5	6.75
220	M257	Z	-46.696	-38.798	6.75	9
221	M257	Z	-38.798	-38.796	9	11.25
222	M257	Z	-38.796	-44.852	11.25	13.5
223	M257	Z	-44.852	-70.631	13.5	15.75
224	M257	Z	-70.631	-70.637	15.75	18
225	M257	Z	-70.637	-70.643	18	20.25
226	M257	Z	-70.643	-41.064	20.25	22.5
227	M257	Z	-41.064	-38.776	22.5	24.75
228	M257	Z	-38.776	-38.775	24.75	27
229	M257	Z	-38.775	-46.642	27	29.25
230	M257	Z	-46.642	-46.547	29.25	31.5
231	M257	Z	-46.547	-24.932	31.5	33.75
232	M257	Z	-24.932	-44.627	33.75	36
233	M241	Z	-85.759	-23.389	0	2.2
234	M241	Z	-23.389	7.796	2.2	4.4
235	M240	Z	7.798	-23.394	17.6	19.8
236	M240	Z	-23.394	-85.778	19.8	22
237	M256	Z	-39.889	-56.921	0	0.533
238	M256	Z	-56.921	-77.452	0.533	1.067
239	M256	Z	-77.452	-98.636	1.067	1.6
240	M256	Z	-98.636	-54.328	1.6	2.133
241	M256	Z	-54.328	-0.852	2.133	2.666
242	M255	Z	-35.019	-78.078	0	1.067
243	M255	Z	-78.078	-140.824	1.067	2.134
244	M255	Z	-140.824	-140.821	2.134	3.2
245	M255	Z	-140.821	-78.087	3.2	4.267
246	M255	Z	-78.087	-35.057	4.267	5.334
247	M253	Z	-35.042	-78.096	0	1.067
248	M253	Z	-78.096	-140.731	1.067	2.133
249	M253	Z	-140.731	-140.719	2.133	3.2
250	M253	Z	-140.719	-78.084	3.2	4.266
251	M253	Z	-78.084	-35.058	4.266	5.333
252	M252A	Z	-35.021	-78.073	0	1.067
253	M252A	Z	-78.073	-140.792	1.067	2.134
254	M252A	Z	-140.792	-140.798	2.134	3.2
255	M252A	Z	-140.798	-78.092	3.2	4.267
256	M252A	Z	-78.092	-35.057	4.267	5.334
257	M251A	Z	-0.853	-54.327	2.667	3.2
258	M251A	Z	-54.327	-98.628	3.2	3.733

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
259	M251A	Z	-98.628	-77.453	3.733	4.266
260	M251A	Z	-77.453	-56.924	4.266	4.8
261	M251A	Z	-56.924	-39.872	4.8	5.333
262	M200	Z	-12.499	-41.493	0	2.167
263	M200	Z	-41.493	-56.789	2.167	4.333
264	M200	Z	-56.789	-63.468	4.333	6.5
265	M200	Z	-63.468	-68.468	6.5	8.667
266	M200	Z	-68.468	-59.544	8.667	10.833
267	M200	Z	-59.544	-43.459	10.833	13
268	M170	Z	-94.343	-42.356	0	0.8
269	M170	Z	-42.356	-41.423	0.8	1.6
270	M170	Z	-41.423	-59.27	1.6	2.4
271	M170	Z	-59.27	-37.99	2.4	3.2
272	M170	Z	-37.99	-9.857	3.2	4
273	M199	Z	-51	-47.373	1	2.6
274	M199	Z	-47.373	-54.855	2.6	4.2
275	M199	Z	-54.855	-67.477	4.2	5.8
276	M199	Z	-67.477	-52.896	5.8	7.4
277	M199	Z	-52.896	-17.079	7.4	9
278	M173	Z	-52.22	-49.021	0	1.25
279	M173	Z	-49.021	-54.495	1.25	2.5
280	M173	Z	-54.495	-62.846	2.5	3.75
281	M173	Z	-62.846	-65.403	3.75	5
282	M196	Z	-47.616	-50.347	0.8	1.867
283	M196	Z	-50.347	-52.496	1.867	2.933
284	M196	Z	-52.496	-54.061	2.933	4
285	M169	Z	-19.087	-19.087	0.03	1
286	M176	Z	-57.798	-55.709	0	1
287	M176	Z	-55.709	-52.574	1	2
288	M176	Z	-52.574	-48.302	2	3
289	M176	Z	-48.302	-43.939	3	4
290	M177	Z	-52.129	-52.432	0	0.8
291	M177	Z	-52.432	-52.196	0.8	1.6
292	M177	Z	-52.196	-50.345	1.6	2.4
293	M177	Z	-50.345	-58.299	2.4	3.2
294	M177	Z	-58.299	-77.136	3.2	4
295	M178	Z	-19.071	-19.071	0	0.971
296	M198	Z	-46.332	-64.485	0	2.167
297	M198	Z	-64.485	-67.865	2.167	4.333
298	M198	Z	-67.865	-60.459	4.333	6.5
299	M198	Z	-60.459	-57.522	6.5	8.667
300	M198	Z	-57.522	-41.724	8.667	10.833
301	M198	Z	-41.724	-12.585	10.833	13
302	M172	Z	-55.118	-52.983	0	1.067
303	M172	Z	-52.983	-50.431	1.067	2.133
304	M172	Z	-50.431	-47.463	2.133	3.2
305	M171	Z	-55.752	-57.436	0	1
306	M171	Z	-57.436	-58.519	1	2
307	M171	Z	-58.519	-58.593	2	3
308	M171	Z	-58.593	-58.257	3	4
309	M174	Z	-49.622	-68.688	20.658	21.553
310	M174	Z	-68.688	-101.8	21.553	22.448
311	M174	Z	-101.8	-148.96	22.448	23.343
312	M175	Z	-83.024	-60.687	0	1.25
313	M175	Z	-60.687	-48.287	1.25	2.5

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
314	M175	Z	-48.287	-48.505	2.5	3.75
315	M175	Z	-48.505	-51.404	3.75	5
316	M1	Z	0.973	-49.769	18.8	21.15
317	M1	Z	-49.769	-104.404	21.15	23.5
318	M241	Z	-36.737	-36.737	19.971	21.532
319	M240	Z	-38.406	-38.406	0.461	2.016
320	M166	Z	-19.365	-26.92	0	2.843
321	M166	Z	-26.92	-34.766	2.843	5.685
322	M166	Z	-34.766	-45.156	5.685	8.528
323	M166	Z	-45.156	-46.137	8.528	11.37
324	M166	Z	-46.137	-40.798	11.37	14.213
325	M166	Z	-40.798	-40.798	14.213	17.056
326	M166	Z	-40.798	-30.614	17.056	19.898
327	M166	Z	-30.614	-23.117	19.898	22.741
328	M166	Z	-23.117	-28.492	22.741	25.583
329	M179	Z	-16.682	-45.886	0	1.1
330	M179	Z	-45.886	-74.89	1.1	2.2
331	M179	Z	-74.89	-90.25	2.2	3.3
332	M179	Z	-90.25	-77.626	3.3	4.4
333	M179	Z	-77.626	-50.462	4.4	5.5
334	M181	Z	-47.19	-45.886	0	2.5
335	M116	Z	-115.8	-115.8	1	7
336	M241	Z	-55.948	-34.744	0	2
337	M241	Z	-34.744	-26.041	2	4
338	M241	Z	-26.041	-28.208	4	6
339	M241	Z	-28.208	-28.476	6	8
340	M241	Z	-28.476	-42.951	8	10
341	M241	Z	-42.951	-42.951	10	12
342	M241	Z	-42.951	-28.476	12	14
343	M241	Z	-28.476	-42.951	14	16
344	M241	Z	-42.951	-36.66	16	18
345	M241	Z	-36.66	-15.718	18	20
346	M241	Z	-15.718	-15.366	20	22
347	M256	Z	-102.456	-68.843	2.133	2.773
348	M256	Z	-68.843	-66.637	2.773	3.413
349	M256	Z	-66.637	-80.617	3.413	4.053
350	M256	Z	-80.617	-92.104	4.053	4.693
351	M256	Z	-92.104	-116.32	4.693	5.333
352	M128	Z	-14.03	-62.849	0	1
353	M128	Z	-62.849	-112.672	1	2
354	M128	Z	-112.672	-139.138	2	3
355	M128	Z	-139.138	-108.735	3	4
356	M128	Z	-108.735	-45.824	4	5
357	M126	Z	-75.747	-80.638	0	1.6
358	M126	Z	-80.638	-107.801	1.6	3.2
359	M126	Z	-107.801	-128.646	3.2	4.8
360	M126	Z	-128.646	-100.357	4.8	6.4
361	M126	Z	-100.357	-51.52	6.4	8
362	M124	Z	-37.649	-120.859	0.8	2.24
363	M124	Z	-120.859	-125.074	2.24	3.68
364	M124	Z	-125.074	-105.821	3.68	5.12
365	M124	Z	-105.821	-97.744	5.12	6.56
366	M124	Z	-97.744	-45.316	6.56	8
367	M122	Z	-41.394	-123.041	0.8	2.24
368	M122	Z	-123.041	-125.141	2.24	3.68

Member Distributed Loads (BLC 12 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
369	M122	Z	-125.141	-127.027	3.68	5.12
370	M122	Z	-127.027	-97.496	5.12	6.56
371	M122	Z	-97.496	-6.198	6.56	8
372	M120	Z	-115.8	-115.8	1	7
373	M118	Z	-115.8	-115.8	1	7
374	M114	Z	-109.841	-87.755	0	1.6
375	M114	Z	-87.755	-115.374	1.6	3.2
376	M114	Z	-115.374	-114.798	3.2	4.8
377	M114	Z	-114.798	-85.95	4.8	6.4
378	M114	Z	-85.95	-106.729	6.4	8

Member Distributed Loads (BLC 13 : BLC 4 Transient Area Loads)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M259	Z	127.958	222.261	2.633	3.95
2	M259	Z	222.261	170.732	3.95	5.267
3	M259	Z	170.732	8.808	5.267	6.583
4	M232	Z	3.317	48.7	0	1.317
5	M232	Z	48.7	127.184	1.317	2.633
6	M232	Z	127.184	147.839	2.633	3.95
7	M232	Z	147.839	102.221	3.95	5.267
8	M232	Z	102.221	76.316	5.267	6.583
9	M257	Z	48.736	110.618	0	2
10	M257	Z	110.618	212.909	2	4
11	M257	Z	212.909	354.244	4	6
12	M257	Z	354.244	434.833	6	8
13	M257	Z	434.833	431.424	8	10
14	M257	Z	431.424	413.901	10	12
15	M257	Z	413.901	383.572	12	14
16	M257	Z	383.572	416.308	14	16
17	M257	Z	416.308	459.728	16	18
18	M257	Z	459.728	426.25	18	20
19	M257	Z	426.25	399.704	20	22
20	M257	Z	399.704	399.507	22	24
21	M257	Z	399.507	417.017	24	26
22	M257	Z	417.017	395.974	26	28
23	M257	Z	395.974	353.93	28	30
24	M257	Z	353.93	226.793	30	32
25	M257	Z	226.793	93.899	32	34
26	M257	Z	93.899	57.395	34	36
27	M241	Z	168.154	85.895	0	2
28	M241	Z	85.895	84.955	2	4
29	M241	Z	84.955	162.463	4	6
30	M241	Z	162.463	193.236	6	8
31	M241	Z	193.236	287.857	8	10
32	M241	Z	287.857	331.78	10	12
33	M241	Z	331.78	252.737	12	14
34	M241	Z	252.737	179.109	14	16
35	M241	Z	179.109	86.96	16	18
36	M241	Z	86.96	64.178	18	20
37	M241	Z	64.178	99.25	20	22
38	M240	Z	86.735	60.552	0	2
39	M240	Z	60.552	100.529	2	4
40	M240	Z	100.529	178.97	4	6
41	M240	Z	178.97	241.058	6	8
42	M240	Z	241.058	338.738	8	10

Member Distributed Loads (BLC 13 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
43	M240	Z	338.738	339.41	10	12
44	M240	Z	339.41	243.147	12	14
45	M240	Z	243.147	158.458	14	16
46	M240	Z	158.458	74.687	16	18
47	M240	Z	74.687	87.393	18	20
48	M240	Z	87.393	182.911	20	22
49	M256	Z	97.216	118.561	0	1.067
50	M256	Z	118.561	194.713	1.067	2.133
51	M256	Z	194.713	204.825	2.133	3.2
52	M256	Z	204.825	177.529	3.2	4.266
53	M256	Z	177.529	233.671	4.266	5.333
54	M255	Z	101.469	151.671	0	1.067
55	M255	Z	151.671	241.192	1.067	2.134
56	M255	Z	241.192	249.073	2.134	3.2
57	M255	Z	249.073	152.254	3.2	4.267
58	M255	Z	152.254	71.695	4.267	5.334
59	M253	Z	70.479	151.584	0	1.067
60	M253	Z	151.584	271.53	1.067	2.133
61	M253	Z	271.53	271.515	2.133	3.2
62	M253	Z	271.515	151.571	3.2	4.266
63	M253	Z	151.571	70.5	4.266	5.333
64	M252A	Z	41.072	182.495	0	1.067
65	M252A	Z	182.495	267.401	1.067	2.134
66	M252A	Z	267.401	237.504	2.134	3.2
67	M252A	Z	237.504	158.901	3.2	4.267
68	M252A	Z	158.901	89.877	4.267	5.334
69	M251A	Z	233.376	176.955	0	1.067
70	M251A	Z	176.955	200.837	1.067	2.133
71	M251A	Z	200.837	184.361	2.133	3.2
72	M251A	Z	184.361	105.971	3.2	4.266
73	M251A	Z	105.971	86.326	4.266	5.333
74	M128	Z	25.87	123.497	0	1
75	M128	Z	123.497	223.059	1	2
76	M128	Z	223.059	258.655	2	3
77	M128	Z	258.655	202.448	3	4
78	M128	Z	202.448	120.337	4	5
79	M126	Z	182.99	142.384	0	1.6
80	M126	Z	142.384	159.255	1.6	3.2
81	M126	Z	159.255	198.323	3.2	4.8
82	M126	Z	198.323	158.191	4.8	6.4
83	M126	Z	158.191	74.142	6.4	8
84	M124	Z	58.24	147.839	0.8	2.24
85	M124	Z	147.839	139.266	2.24	3.68
86	M124	Z	139.266	127.789	3.68	5.12
87	M124	Z	127.789	120.074	5.12	6.56
88	M124	Z	120.074	20.854	6.56	8
89	M122	Z	42.681	140.108	0.8	2.24
90	M122	Z	140.108	145.035	2.24	3.68
91	M122	Z	145.035	122.457	3.68	5.12
92	M122	Z	122.457	126.498	5.12	6.56
93	M122	Z	126.498	92.163	6.56	8
94	M120	Z	48.471	144.015	0.8	2.24
95	M120	Z	144.015	146.473	2.24	3.68
96	M120	Z	146.473	148.679	3.68	5.12
97	M120	Z	148.679	171.126	5.12	6.56

Member Distributed Loads (BLC 13 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
98	M120	Z	171.126	120.981	6.56	8
99	M118	Z	48.482	144.025	0.8	2.24
100	M118	Z	144.025	146.519	2.24	3.68
101	M118	Z	146.519	148.725	3.68	5.12
102	M118	Z	148.725	114.106	5.12	6.56
103	M118	Z	114.106	7.252	6.56	8
104	M114	Z	98.657	103.459	0	1.6
105	M114	Z	103.459	136.364	1.6	3.2
106	M114	Z	136.364	152.132	3.2	4.8
107	M114	Z	152.132	106.712	4.8	6.4
108	M114	Z	106.712	45.348	6.4	8
109	M166	Z	10.613	10.613	0	5.117
110	M274	Z	21.983	27.417	0	0.922
111	M274	Z	27.417	44.843	0.922	1.843
112	M274	Z	44.843	96.242	1.843	2.765
113	M274	Z	96.242	88.41	2.765	3.687
114	M274	Z	88.41	4.237	3.687	4.608
115	M272	Z	1.552	50.914	0	1.536
116	M272	Z	50.914	90.965	1.536	3.072
117	M272	Z	90.965	112.24	3.072	4.608
118	M270	Z	6.524	29.191	0	1.152
119	M270	Z	29.191	60.402	1.152	2.304
120	M270	Z	60.402	99.92	2.304	3.456
121	M270	Z	99.92	139.203	3.456	4.608
122	M180	Z	10.614	10.614	0	5.117
123	M262	Z	28.496	17.661	0	0.922
124	M262	Z	17.661	40.778	0.922	1.843
125	M262	Z	40.778	145.721	1.843	2.765
126	M262	Z	145.721	110.794	2.765	3.687
127	M262	Z	110.794	-0.542	3.687	4.608
128	M267	Z	38.83	12.051	0	0.922
129	M267	Z	12.051	35.517	0.922	1.843
130	M267	Z	35.517	146.047	1.843	2.765
131	M267	Z	146.047	109.191	2.765	3.687
132	M267	Z	109.191	-1.339	3.687	4.608
133	M259	Z	1.56	50.954	0	1.536
134	M259	Z	50.954	90.986	1.536	3.072
135	M259	Z	90.986	112.156	3.072	4.608
136	M232	Z	21.989	27.368	0	0.922
137	M232	Z	27.368	44.702	0.922	1.843
138	M232	Z	44.702	95.919	1.843	2.765
139	M232	Z	95.919	88.09	2.765	3.687
140	M232	Z	88.09	4.216	3.687	4.608
141	M241	Z	203.836	59.952	0	0.733
142	M241	Z	59.952	-11.99	0.733	1.467
143	M241	Z	-11.99	-11.99	1.467	2.2
144	M240	Z	-11.98	-11.98	19.8	20.533
145	M240	Z	-11.98	59.902	20.533	21.267
146	M240	Z	59.902	203.667	21.267	22
147	M166	Z	6.992	29.056	0	2.558
148	M166	Z	29.056	33.676	2.558	5.117
149	M166	Z	33.676	46.469	5.117	7.675
150	M166	Z	46.469	66.013	7.675	10.233
151	M166	Z	66.013	60.012	10.233	12.792
152	M166	Z	60.012	47.387	12.792	15.35

Member Distributed Loads (BLC 13 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
153	M166	Z	47.387	46.11	15.35	17.908
154	M166	Z	46.11	45.813	17.908	20.467
155	M166	Z	45.813	37.495	20.467	23.025
156	M166	Z	37.495	31.462	23.025	25.583
157	M200	Z	348.57	385.223	0	2.167
158	M200	Z	385.223	424.36	2.167	4.333
159	M200	Z	424.36	401.796	4.333	6.5
160	M200	Z	401.796	286.031	6.5	8.667
161	M200	Z	286.031	155.159	8.667	10.833
162	M200	Z	155.159	38.193	10.833	13
163	M170	Z	59.373	50.923	0	0.8
164	M170	Z	50.923	53.717	0.8	1.6
165	M170	Z	53.717	64.563	1.6	2.4
166	M170	Z	64.563	71.236	2.4	3.2
167	M170	Z	71.236	76.93	3.2	4
168	M274	Z	7.772	65.002	0	1.317
169	M274	Z	65.002	117.607	1.317	2.633
170	M274	Z	117.607	173.374	2.633	3.95
171	M274	Z	173.374	139.408	3.95	5.267
172	M274	Z	139.408	7.772	5.267	6.583
173	M272	Z	13.344	50.915	0	1.317
174	M272	Z	50.915	103.47	1.317	2.633
175	M272	Z	103.47	236.306	2.633	3.95
176	M272	Z	236.306	223.804	3.95	5.267
177	M272	Z	223.804	11.911	5.267	6.583
178	M270	Z	11.546	44.923	0	1.317
179	M270	Z	44.923	125.608	1.317	2.633
180	M270	Z	125.608	195.887	2.633	3.95
181	M270	Z	195.887	119.666	3.95	5.267
182	M270	Z	119.666	4.896	5.267	6.583
183	M180	Z	6.987	29.041	0	2.558
184	M180	Z	29.041	33.671	2.558	5.117
185	M180	Z	33.671	46.475	5.117	7.675
186	M180	Z	46.475	66.017	7.675	10.233
187	M180	Z	66.017	60.015	10.233	12.792
188	M180	Z	60.015	47.374	12.792	15.35
189	M180	Z	47.374	46.098	15.35	17.908
190	M180	Z	46.098	45.832	17.908	20.467
191	M180	Z	45.832	37.455	20.467	23.025
192	M180	Z	37.455	31.278	23.025	25.583
193	M199	Z	388.063	416.234	0	2
194	M199	Z	416.234	423.562	2	4
195	M199	Z	423.562	414.252	4	6
196	M199	Z	414.252	398.611	6	8
197	M199	Z	398.611	372.434	8	10
198	M173	Z	60.207	56.83	0	1.25
199	M173	Z	56.83	56.571	1.25	2.5
200	M173	Z	56.571	71.131	2.5	3.75
201	M173	Z	71.131	97.391	3.75	5
202	M196	Z	55.303	58.628	0.8	1.867
203	M196	Z	58.628	61.453	1.867	2.933
204	M196	Z	61.453	63.78	2.933	4
205	M169	Z	23.731	23.731	0.293	1
206	M168	Z	69.556	94.808	0	1.1
207	M168	Z	94.808	91.036	1.1	2.2

Member Distributed Loads (BLC 13 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
208	M168	Z	91.036	70.336	2.2	3.3
209	M168	Z	70.336	58.188	3.3	4.4
210	M168	Z	58.188	42.497	4.4	5.5
211	M146	Z	16.706	94.808	0	2.5
212	M176	Z	67.613	67.835	0	1
213	M176	Z	67.835	67.636	1	2
214	M176	Z	67.636	66.326	2	3
215	M176	Z	66.326	64.325	3	4
216	M177	Z	76.927	71.218	0	0.8
217	M177	Z	71.218	64.56	0.8	1.6
218	M177	Z	64.56	53.735	1.6	2.4
219	M177	Z	53.735	50.939	2.4	3.2
220	M177	Z	50.939	59.392	3.2	4
221	M178	Z	23.705	23.705	0	0.707
222	M198	Z	54.232	148.197	0	2.167
223	M198	Z	148.197	275.703	2.167	4.333
224	M198	Z	275.703	400.901	4.333	6.5
225	M198	Z	400.901	447.577	6.5	8.667
226	M198	Z	447.577	414.268	8.667	10.833
227	M198	Z	414.268	343.647	10.833	13
228	M179	Z	1.888	52.198	0	1.1
229	M179	Z	52.198	92.167	1.1	2.2
230	M179	Z	92.167	89.83	2.2	3.3
231	M179	Z	89.83	78.953	3.3	4.4
232	M179	Z	78.953	81.426	4.4	5.5
233	M172	Z	63.904	61.481	0	1.067
234	M172	Z	61.481	58.566	1.067	2.133
235	M172	Z	58.566	55.158	2.133	3.2
236	M171	Z	64.333	66.315	0	1
237	M171	Z	66.315	67.616	1	2
238	M171	Z	67.616	67.832	2	3
239	M171	Z	67.832	67.643	3	4
240	M174	Z	-1.097	57.751	18.8	21.15
241	M174	Z	57.751	120.989	21.15	23.5
242	M175	Z	76.407	73.533	0	1.25
243	M175	Z	73.533	63.804	1.25	2.5
244	M175	Z	63.804	57.338	2.5	3.75
245	M175	Z	57.338	60.991	3.75	5
246	M181	Z	37.331	73.533	0	2.5
247	M1	Z	57.789	79.877	20.658	21.553
248	M1	Z	79.877	117.953	21.553	22.448
249	M1	Z	117.953	172.016	22.448	23.343
250	M254	Z	70.454	151.55	0	1.067
251	M254	Z	151.55	271.526	1.067	2.133
252	M254	Z	271.526	271.522	2.133	3.2
253	M254	Z	271.522	151.563	3.2	4.266
254	M254	Z	151.563	70.507	4.266	5.333
255	M262	Z	13.261	42.833	0	1.317
256	M262	Z	42.833	128.444	1.317	2.633
257	M262	Z	128.444	207.193	2.633	3.95
258	M262	Z	207.193	126.061	3.95	5.267
259	M262	Z	126.061	4.708	5.267	6.583
260	M95	Z	29.974	128.418	0	1
261	M95	Z	128.418	250.618	1	2
262	M95	Z	250.618	305.877	2	3

Member Distributed Loads (BLC 13 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
263	M95	Z	305.877	182.358	3	4
264	M95	Z	182.358	11.435	4	5
265	M50	Z	25.846	123.487	0	1
266	M50	Z	123.487	223.068	1	2
267	M50	Z	223.068	258.635	2	3
268	M50	Z	258.635	202.4	3	4
269	M50	Z	202.4	120.32	4	5
270	M48	Z	174.617	153.053	0	1.6
271	M48	Z	153.053	168.633	1.6	3.2
272	M48	Z	168.633	198.688	3.2	4.8
273	M48	Z	198.688	157.307	4.8	6.4
274	M48	Z	157.307	67.16	6.4	8
275	M46	Z	68.647	137.392	0.8	2.24
276	M46	Z	137.392	129.333	2.24	3.68
277	M46	Z	129.333	138.06	3.68	5.12
278	M46	Z	138.06	129.509	5.12	6.56
279	M46	Z	129.509	10.09	6.56	8
280	M44	Z	44.012	141.451	0.8	2.24
281	M44	Z	141.451	146.358	2.24	3.68
282	M44	Z	146.358	123.674	3.68	5.12
283	M44	Z	123.674	114.246	5.12	6.56
284	M44	Z	114.246	53.131	6.56	8
285	M42	Z	48.482	144.025	0.8	2.24
286	M42	Z	144.025	146.519	2.24	3.68
287	M42	Z	146.519	148.725	3.68	5.12
288	M42	Z	148.725	114.106	5.12	6.56
289	M42	Z	114.106	7.252	6.56	8
290	M40	Z	48.44	143.983	0.8	2.24
291	M40	Z	143.983	146.441	2.24	3.68
292	M40	Z	146.441	148.648	3.68	5.12
293	M40	Z	148.648	114.091	5.12	6.56
294	M40	Z	114.091	7.253	6.56	8
295	M38	Z	44.03	141.456	0.8	2.24
296	M38	Z	141.456	146.383	2.24	3.68
297	M38	Z	146.383	123.806	3.68	5.12
298	M38	Z	123.806	114.359	5.12	6.56
299	M38	Z	114.359	53.049	6.56	8
300	M36	Z	97.82	101.541	0	1.6
301	M36	Z	101.541	130.323	1.6	3.2
302	M36	Z	130.323	147.61	3.2	4.8
303	M36	Z	147.61	111.437	4.8	6.4
304	M36	Z	111.437	58.359	6.4	8
305	M17	Z	11.434	182.355	0	1
306	M17	Z	182.355	305.871	1	2
307	M17	Z	305.871	250.613	2	3
308	M17	Z	250.613	128.416	3	4
309	M17	Z	128.416	29.974	4	5
310	M267	Z	24.535	42.439	0	1.185
311	M267	Z	42.439	94.324	1.185	2.37
312	M267	Z	94.324	156.64	2.37	3.555
313	M267	Z	156.64	144.111	3.555	4.74
314	M267	Z	144.111	80.288	4.74	5.925
315	M116	Z	44.012	141.451	0.8	2.24
316	M116	Z	141.451	146.358	2.24	3.68
317	M116	Z	146.358	123.674	3.68	5.12

Member Distributed Loads (BLC 13 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
318	M116	Z	123.674	114.246	5.12	6.56
319	M116	Z	114.246	53.131	6.56	8
320	M259	Z	8.808	52.61	0	1.317
321	M259	Z	52.61	127.958	1.317	2.633

Member Distributed Loads (BLC 14 : BLC 5 Transient Area Loads)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M180	Z	9.556	28.931	0	3.198
2	M180	Z	28.931	38.619	3.198	6.396
3	M180	Z	38.619	38.619	6.396	9.594
4	M180	Z	38.619	38.619	9.594	12.792
5	M180	Z	38.619	38.619	12.792	15.99
6	M180	Z	38.619	38.619	15.99	19.187
7	M180	Z	38.619	30.801	19.187	22.385
8	M180	Z	30.801	15.166	22.385	25.583
9	M168	Z	96	96	3.331e-16	2.5
10	M146	Z	82	82	3.331e-16	2.5
11	M50	Z	27.546	131.615	0	1
12	M50	Z	131.615	236.588	1	2
13	M50	Z	236.588	267.867	2	3
14	M50	Z	267.867	209.063	3	4
15	M50	Z	209.063	134.775	4	5
16	M48	Z	4.724	71.515	0	1.12
17	M48	Z	71.515	113.268	1.12	2.24
18	M48	Z	113.268	118.481	2.24	3.36
19	M48	Z	118.481	70.505	3.36	4.48
20	M48	Z	70.505	4.724	4.48	5.6
21	M46	Z	96	96	1.25	5
22	M44	Z	96	96	1.25	5
23	M42	Z	96	96	1.25	5
24	M40	Z	96	96	1.25	5
25	M38	Z	96	96	1.25	5
26	M36	Z	-5.25	70.75	0	1.25
27	M36	Z	70.75	108.75	1.25	2.5
28	M36	Z	108.75	108.75	2.5	3.75
29	M36	Z	108.75	108.75	3.75	5
30	M29	Z	96	96	1.25	5
31	M27	Z	96	96	1.25	5
32	M25	Z	96	96	1.25	5
33	M23	Z	19	67	1.11e-16	1.25
34	M23	Z	67	91	1.25	2.5
35	M23	Z	91	91	2.5	3.75
36	M23	Z	91	91	3.75	5
37	M21	Z	40	40	3.331e-16	5
38	M247	Z	19	67	3.331e-16	1.25
39	M247	Z	67	91	1.25	2.5
40	M247	Z	91	91	2.5	3.75
41	M247	Z	91	91	3.75	5
42	M244	Z	96	96	1.25	5
43	M182	Z	40	40	2.5	17.5
44	M166	Z	7.895	32.806	0	2.558
45	M166	Z	32.806	38.022	2.558	5.117
46	M166	Z	38.022	52.466	5.117	7.675
47	M166	Z	52.466	74.534	7.675	10.233
48	M166	Z	74.534	67.758	10.233	12.792

Member Distributed Loads (BLC 14 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
49	M166	Z	67.758	53.503	12.792	15.35
50	M166	Z	53.503	52.061	15.35	17.908
51	M166	Z	52.061	51.726	17.908	20.467
52	M166	Z	51.726	42.334	20.467	23.025
53	M166	Z	42.334	35.523	23.025	25.583
54	M200	Z	393.56	434.943	0	2.167
55	M200	Z	434.943	479.131	2.167	4.333
56	M200	Z	479.131	453.654	4.333	6.5
57	M200	Z	453.654	322.948	6.5	8.667
58	M200	Z	322.948	175.185	8.667	10.833
59	M200	Z	175.185	43.123	10.833	13
60	M170	Z	67.037	57.495	0	0.8
61	M170	Z	57.495	60.65	0.8	1.6
62	M170	Z	60.65	72.896	1.6	2.4
63	M170	Z	72.896	80.43	2.4	3.2
64	M170	Z	80.43	86.859	3.2	4
65	M274	Z	8.775	73.392	0	1.317
66	M274	Z	73.392	132.787	1.317	2.633
67	M274	Z	132.787	195.752	2.633	3.95
68	M274	Z	195.752	157.402	3.95	5.267
69	M274	Z	157.402	8.775	5.267	6.583
70	M272	Z	15.066	57.487	0	1.317
71	M272	Z	57.487	116.825	1.317	2.633
72	M272	Z	116.825	266.806	2.633	3.95
73	M272	Z	266.806	252.69	3.95	5.267
74	M272	Z	252.69	13.448	5.267	6.583
75	M270	Z	13.036	50.721	0	1.317
76	M270	Z	50.721	141.82	1.317	2.633
77	M270	Z	141.82	221.17	2.633	3.95
78	M270	Z	221.17	135.111	3.95	5.267
79	M270	Z	135.111	5.527	5.267	6.583
80	M180	Z	7.889	32.789	0	2.558
81	M180	Z	32.789	38.017	2.558	5.117
82	M180	Z	38.017	52.474	5.117	7.675
83	M180	Z	52.474	74.538	7.675	10.233
84	M180	Z	74.538	67.761	10.233	12.792
85	M180	Z	67.761	53.489	12.792	15.35
86	M180	Z	53.489	52.048	15.35	17.908
87	M180	Z	52.048	51.748	17.908	20.467
88	M180	Z	51.748	42.289	20.467	23.025
89	M180	Z	42.289	35.316	23.025	25.583
90	M199	Z	438.149	469.956	0	2
91	M199	Z	469.956	478.23	2	4
92	M199	Z	478.23	467.719	4	6
93	M199	Z	467.719	450.059	6	8
94	M199	Z	450.059	420.504	8	10
95	M173	Z	67.978	64.165	0	1.25
96	M173	Z	64.165	63.873	1.25	2.5
97	M173	Z	63.873	80.312	2.5	3.75
98	M173	Z	80.312	109.961	3.75	5
99	M196	Z	62.441	66.195	0.8	1.867
100	M196	Z	66.195	69.385	1.867	2.933
101	M196	Z	69.385	72.011	2.933	4
102	M169	Z	26.794	26.794	0.293	1
103	M168	Z	78.533	107.044	0	1.1

Member Distributed Loads (BLC 14 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
104	M168	Z	107.044	102.786	1.1	2.2
105	M168	Z	102.786	79.414	2.2	3.3
106	M168	Z	79.414	65.698	3.3	4.4
107	M168	Z	65.698	47.982	4.4	5.5
108	M146	Z	18.862	107.044	0	2.5
109	M176	Z	76.339	76.59	0	1
110	M176	Z	76.59	76.366	1	2
111	M176	Z	76.366	74.886	2	3
112	M176	Z	74.886	72.627	3	4
113	M177	Z	86.856	80.409	0	0.8
114	M177	Z	80.409	72.893	0.8	1.6
115	M177	Z	72.893	60.671	1.6	2.4
116	M177	Z	60.671	57.514	2.4	3.2
117	M177	Z	57.514	67.057	3.2	4
118	M178	Z	26.765	26.765	0	0.707
119	M198	Z	61.232	167.325	0	2.167
120	M198	Z	167.325	311.288	2.167	4.333
121	M198	Z	311.288	452.645	4.333	6.5
122	M198	Z	452.645	505.345	6.5	8.667
123	M198	Z	505.345	467.736	8.667	10.833
124	M198	Z	467.736	388.001	10.833	13
125	M179	Z	2.132	58.936	0	1.1
126	M179	Z	58.936	104.063	1.1	2.2
127	M179	Z	104.063	101.424	2.2	3.3
128	M179	Z	101.424	89.143	3.3	4.4
129	M179	Z	89.143	91.936	4.4	5.5
130	M172	Z	72.152	69.417	0	1.067
131	M172	Z	69.417	66.125	1.067	2.133
132	M172	Z	66.125	62.277	2.133	3.2
133	M171	Z	72.636	74.874	0	1
134	M171	Z	74.874	76.343	1	2
135	M171	Z	76.343	76.587	2	3
136	M171	Z	76.587	76.373	3	4
137	M174	Z	-1.239	65.205	18.8	21.15
138	M174	Z	65.205	136.604	21.15	23.5
139	M175	Z	86.269	83.023	0	1.25
140	M175	Z	83.023	72.039	1.25	2.5
141	M175	Z	72.039	64.739	2.5	3.75
142	M175	Z	64.739	68.862	3.75	5
143	M181	Z	42.149	83.023	0	2.5
144	M1	Z	65.248	90.187	20.658	21.553
145	M1	Z	90.187	133.176	21.553	22.448
146	M1	Z	133.176	194.217	22.448	23.343
147	M254	Z	46.27	103.158	0	1.067
148	M254	Z	103.158	185.952	1.067	2.133
149	M254	Z	185.952	185.946	2.133	3.2
150	M254	Z	185.946	103.166	3.2	4.266
151	M254	Z	103.166	46.318	4.266	5.333
152	M262	Z	14.973	48.362	0	1.317
153	M262	Z	48.362	145.022	1.317	2.633
154	M262	Z	145.022	233.935	2.633	3.95
155	M262	Z	233.935	142.331	3.95	5.267
156	M262	Z	142.331	5.316	5.267	6.583
157	M95	Z	20.183	86.701	0	1
158	M95	Z	86.701	168.685	1	2

Member Distributed Loads (BLC 14 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
159	M95	Z	168.685	206.53	2	3
160	M95	Z	206.53	123.684	3	4
161	M95	Z	123.684	7.725	4	5
162	M48	Z	140.165	120.537	0	1.6
163	M48	Z	120.537	141.461	1.6	3.2
164	M48	Z	141.461	162.199	3.2	4.8
165	M48	Z	162.199	123.052	4.8	6.4
166	M48	Z	123.052	64.758	6.4	8
167	M46	Z	77.508	155.125	0.8	2.24
168	M46	Z	155.125	146.026	2.24	3.68
169	M46	Z	146.026	155.88	3.68	5.12
170	M46	Z	155.88	146.225	5.12	6.56
171	M46	Z	146.225	11.392	6.56	8
172	M44	Z	49.693	159.708	0.8	2.24
173	M44	Z	159.708	165.248	2.24	3.68
174	M44	Z	165.248	139.636	3.68	5.12
175	M44	Z	139.636	128.991	5.12	6.56
176	M44	Z	128.991	59.988	6.56	8
177	M42	Z	54.74	162.614	0.8	2.24
178	M42	Z	162.614	165.43	2.24	3.68
179	M42	Z	165.43	167.921	3.68	5.12
180	M42	Z	167.921	128.834	5.12	6.56
181	M42	Z	128.834	8.188	6.56	8
182	M40	Z	54.692	162.567	0.8	2.24
183	M40	Z	162.567	165.342	2.24	3.68
184	M40	Z	165.342	167.833	3.68	5.12
185	M40	Z	167.833	128.816	5.12	6.56
186	M40	Z	128.816	8.189	6.56	8
187	M38	Z	49.713	159.714	0.8	2.24
188	M38	Z	159.714	165.277	2.24	3.68
189	M38	Z	165.277	139.785	3.68	5.12
190	M38	Z	139.785	129.119	5.12	6.56
191	M38	Z	129.119	59.896	6.56	8
192	M36	Z	110.445	114.647	0	1.6
193	M36	Z	114.647	147.143	1.6	3.2
194	M36	Z	147.143	166.661	3.2	4.8
195	M36	Z	166.661	125.82	4.8	6.4
196	M36	Z	125.82	65.891	6.4	8
197	M17	Z	7.725	123.682	0	1
198	M17	Z	123.682	206.526	1	2
199	M17	Z	206.526	168.682	2	3
200	M17	Z	168.682	86.7	3	4
201	M17	Z	86.7	20.184	4	5
202	M267	Z	27.702	47.916	0	1.185
203	M267	Z	47.916	106.498	1.185	2.37
204	M267	Z	106.498	176.857	2.37	3.555
205	M267	Z	176.857	162.711	3.555	4.74
206	M267	Z	162.711	90.651	4.74	5.925
207	M116	Z	49.693	159.708	0.8	2.24
208	M116	Z	159.708	165.248	2.24	3.68
209	M116	Z	165.248	139.636	3.68	5.12
210	M116	Z	139.636	128.991	5.12	6.56
211	M116	Z	128.991	59.988	6.56	8
212	M259	Z	9.944	59.4	0	1.317
213	M259	Z	59.4	144.473	1.317	2.633

Member Distributed Loads (BLC 14 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
214	M259	Z	144.473	250.947	2.633	3.95
215	M259	Z	250.947	192.768	3.95	5.267
216	M259	Z	192.768	9.944	5.267	6.583
217	M232	Z	3.745	54.985	0	1.317
218	M232	Z	54.985	143.599	1.317	2.633
219	M232	Z	143.599	166.921	2.633	3.95
220	M232	Z	166.921	115.415	3.95	5.267
221	M232	Z	115.415	86.165	5.267	6.583
222	M257	Z	55.027	124.895	0	2
223	M257	Z	124.895	240.388	2	4
224	M257	Z	240.388	399.965	4	6
225	M257	Z	399.965	490.956	6	8
226	M257	Z	490.956	487.107	8	10
227	M257	Z	487.107	467.323	10	12
228	M257	Z	467.323	433.079	12	14
229	M257	Z	433.079	470.04	14	16
230	M257	Z	470.04	519.064	16	18
231	M257	Z	519.064	481.265	18	20
232	M257	Z	481.265	451.294	20	22
233	M257	Z	451.294	451.07	22	24
234	M257	Z	451.07	470.84	24	26
235	M257	Z	470.84	447.081	26	28
236	M257	Z	447.081	399.611	28	30
237	M257	Z	399.611	256.065	30	32
238	M257	Z	256.065	106.018	32	34
239	M257	Z	106.018	64.803	34	36
240	M241	Z	189.857	96.981	0	2
241	M241	Z	96.981	95.92	2	4
242	M241	Z	95.92	183.432	4	6
243	M241	Z	183.432	218.176	6	8
244	M241	Z	218.176	325.01	8	10
245	M241	Z	325.01	374.602	10	12
246	M241	Z	374.602	285.358	12	14
247	M241	Z	285.358	202.226	14	16
248	M241	Z	202.226	98.184	16	18
249	M241	Z	98.184	72.461	18	20
250	M241	Z	72.461	112.06	20	22
251	M240	Z	97.929	68.367	0	2
252	M240	Z	68.367	113.504	2	4
253	M240	Z	113.504	202.069	4	6
254	M240	Z	202.069	272.171	6	8
255	M240	Z	272.171	382.459	8	10
256	M240	Z	382.459	383.217	10	12
257	M240	Z	383.217	274.529	12	14
258	M240	Z	274.529	178.909	14	16
259	M240	Z	178.909	84.326	16	18
260	M240	Z	84.326	98.673	18	20
261	M240	Z	98.673	206.519	20	22
262	M256	Z	68.956	83.677	0	1.067
263	M256	Z	83.677	131.715	1.067	2.133
264	M256	Z	131.715	136.168	2.133	3.2
265	M256	Z	136.168	123.263	3.2	4.266
266	M256	Z	123.263	169.903	4.266	5.333
267	M255	Z	61.704	95.525	0	1.067
268	M255	Z	95.525	164.582	1.067	2.134

Member Distributed Loads (BLC 14 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
269	M255	Z	164.582	158.891	2.134	3.2
270	M255	Z	158.891	87.678	3.2	4.267
271	M255	Z	87.678	60.924	4.267	5.334
272	M253	Z	46.3	103.183	0	1.067
273	M253	Z	103.183	185.94	1.067	2.133
274	M253	Z	185.94	185.924	2.133	3.2
275	M253	Z	185.924	103.168	3.2	4.266
276	M253	Z	103.168	46.32	4.266	5.333
277	M252A	Z	26.363	121.79	0	1.067
278	M252A	Z	121.79	179.558	1.067	2.134
279	M252A	Z	179.558	160.39	2.134	3.2
280	M252A	Z	160.39	103.651	3.2	4.267
281	M252A	Z	103.651	48.619	4.267	5.334
282	M251A	Z	169.646	122.73	0	1.067
283	M251A	Z	122.73	131.749	1.067	2.133
284	M251A	Z	131.749	119.969	2.133	3.2
285	M251A	Z	119.969	69.384	3.2	4.266
286	M251A	Z	69.384	56.728	4.266	5.333
287	M128	Z	18.933	145.248	0	1
288	M128	Z	145.248	250.736	1	2
289	M128	Z	250.736	251.465	2	3
290	M128	Z	251.465	195.072	3	4
291	M128	Z	195.072	156.091	4	5
292	M126	Z	149.626	108.51	0	1.6
293	M126	Z	108.51	130.905	1.6	3.2
294	M126	Z	130.905	161.987	3.2	4.8
295	M126	Z	161.987	124.305	4.8	6.4
296	M126	Z	124.305	72.685	6.4	8
297	M124	Z	65.757	166.92	0.8	2.24
298	M124	Z	166.92	157.241	2.24	3.68
299	M124	Z	157.241	144.283	3.68	5.12
300	M124	Z	144.283	135.572	5.12	6.56
301	M124	Z	135.572	23.546	6.56	8
302	M122	Z	48.19	158.191	0.8	2.24
303	M122	Z	158.191	163.754	2.24	3.68
304	M122	Z	163.754	138.262	3.68	5.12
305	M122	Z	138.262	142.825	5.12	6.56
306	M122	Z	142.825	104.058	6.56	8
307	M120	Z	54.727	162.602	0.8	2.24
308	M120	Z	162.602	165.378	2.24	3.68
309	M120	Z	165.378	167.869	3.68	5.12
310	M120	Z	167.869	193.213	5.12	6.56
311	M120	Z	193.213	136.595	6.56	8
312	M118	Z	54.74	162.614	0.8	2.24
313	M118	Z	162.614	165.43	2.24	3.68
314	M118	Z	165.43	167.921	3.68	5.12
315	M118	Z	167.921	128.834	5.12	6.56
316	M118	Z	128.834	8.188	6.56	8
317	M114	Z	111.39	116.812	0	1.6
318	M114	Z	116.812	153.964	1.6	3.2
319	M114	Z	153.964	171.767	3.2	4.8
320	M114	Z	171.767	120.486	4.8	6.4
321	M114	Z	120.486	51.201	6.4	8
322	M166	Z	21.31	21.106	0	2.843
323	M166	Z	21.106	31.558	2.843	5.685

Member Distributed Loads (BLC 14 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, k-ft/ft]	End Magnitude [lb/ft, F, psf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
324	M166	Z	31.558	42.112	5.685	8.528
325	M166	Z	42.112	42.112	8.528	11.37
326	M166	Z	42.112	42.112	11.37	14.213
327	M166	Z	42.112	42.112	14.213	17.056
328	M166	Z	42.112	31.558	17.056	19.898
329	M166	Z	31.558	22.763	19.898	22.741
330	M166	Z	22.763	26.281	22.741	25.583
331	M179	Z	96	96	3	5.5
332	M181	Z	82	82	1.11e-16	2.5
333	M107	Z	96	96	1.25	5
334	M105	Z	96	96	1.25	5
335	M103	Z	96	96	1.25	5
336	M101	Z	19	67	3.331e-16	1.25
337	M101	Z	67	91	1.25	2.5
338	M101	Z	91	91	2.5	3.75
339	M101	Z	91	91	3.75	5
340	M99	Z	40	40	3.331e-16	5
341	M109	Z	96	96	1.25	5
342	M111	Z	19	67	1.11e-16	1.25
343	M111	Z	67	91	1.25	2.5
344	M111	Z	91	91	2.5	3.75
345	M111	Z	91	91	3.75	5
346	M116	Z	96	96	1.25	5
347	M126	Z	5.339	77.397	0	1.12
348	M126	Z	77.397	112.339	1.12	2.24
349	M126	Z	112.339	108.195	2.24	3.36
350	M126	Z	108.195	69.67	3.36	4.48
351	M126	Z	69.67	5.339	4.48	5.6
352	M124	Z	96	96	1.25	5
353	M122	Z	96	96	1.25	5
354	M120	Z	96	96	1.25	5
355	M118	Z	96	96	1.25	5
356	M114	Z	-5.25	70.75	1.11e-16	1.25
357	M114	Z	70.75	108.75	1.25	2.5
358	M114	Z	108.75	108.75	2.5	3.75
359	M114	Z	108.75	108.75	3.75	5
360	M154	Z	40	40	2.5	17.5

Member Area Loads (BLC 1 : SELF WEIGHT)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [psf]
1	N40	N99	N113	N54	Z	B-C	-10
2	N54	N169	N168	N178	Z	B-C	-10
3	N167	N113	N180	N171	Z	B-C	-10
4	N178	N180	N130	N71	Z	B-C	-10
5	N172	N174	N171	N168	Z	B-C	-10
6	N169	N167	N219	N220	Z	B-C	-10

Member Area Loads (BLC 2 : RLL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [psf]
1	N40	N99	N113	N54	Z	B-C	-20
2	N54	N169	N168	N178	Z	B-C	-20
3	N167	N113	N180	N171	Z	B-C	-20
4	N178	N180	N130	N71	Z	B-C	-20

Member Area Loads (BLC 2 : RLL) (Continued)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [psf]
5	N172	N174	N171	N168	Z	B-C	-20
6	N169	N167	N219	N220	Z	B-C	-20

Member Area Loads (BLC 3 : ROOF SN+drift)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [psf]
1	N54	N40	N99	N113	Z	Two Way	-38.6
2	N54	N169	N221	N71	Z	Two Way	-38.6
3	N221	N172	N174	N222	Z	Two Way	-38.6
4	N220	N169	N167	N219	Z	Two Way	-38.6
5	N222	N167	N113	N130	Z	Two Way	-38.6

Member Area Loads (BLC 4 : WL E-W)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [psf]
1	N54	N113	N130	N71	Z	Two Way	45.17
2	N126	N130	N71	N67	Z	Two Way	32

Member Area Loads (BLC 5 : WL N-S)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [psf]
1	N72	N71	N40	N41	Z	Two Way	32
2	N130	N71	N54	N113	Z	Two Way	51
3	N130	N131	N100	N99	Z	Two Way	32

Basic Load Cases

	BLC Description	Category	Z Gravity	Distributed	Area(Member)
1	SELF WEIGHT	DL	-1		6
2	RLL	RLL			6
3	ROOF SN+drift	SL		15	5
4	WL E-W	WLX		4	2
5	WL N-S	WLY		4	3
6	SEISMIC E-W	ELX			
7	SEISMIC N-S	ELY			
8	BLC 1 Transient Area Loads	None		268	
9		None		1	
10		None		1	
11	BLC 2 Transient Area Loads	None		268	
12	BLC 3 Transient Area Loads	None		378	
13	BLC 4 Transient Area Loads	None		321	
14	BLC 5 Transient Area Loads	None		360	

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	DEAD LOAD	Yes	Y	1	1										
2	ASCE Strength 1	Yes	Y	DL	1.4										
3	ASCE Strength 2 (a)	Yes	Y	DL	1.2					RLL	0.5				
4	ASCE Strength 2 (b)	Yes	Y	DL	1.2					SL	0.5				
5	ASCE Strength 3 (a)	Yes	Y	DL	1.2	RLL	1.6								
6	ASCE Strength 3 (c)	Yes	Y	DL	1.2	SL	1.6								
7	ASCE Strength 3 (b) (a)	Yes	Y	DL	1.2	RLL	1.6	WLX	0.5						
8	ASCE Strength 3 (b) (b)	Yes	Y	DL	1.2	RLL	1.6	WLY	0.5						

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
9	ASCE Strength 3 (d) (a)	Yes	Y	DL	1.2	SL	1.6			WLX	0.5				
10	ASCE Strength 3 (d) (b)	Yes	Y	DL	1.2	SL	1.6			WLY	0.5				
11	ASCE Strength 4 (a) (a)	Yes	Y	DL	1.2	WLX	1					RLL	0.5		
12	ASCE Strength 4 (a) (b)	Yes	Y	DL	1.2	WLY	1					RLL	0.5		
13	ASCE Strength 4 (b) (a)	Yes	Y	DL	1.2	WLX	1					SL	0.5		
14	ASCE STRENGTH	Yes	Y	DL	1.2	WLY	1					SL	0.5		
15	ASCE Strength 6 (b)	Yes	Y	DL	0.9	WLX	1								
16	ASCE STRENGTH	Yes	Y	DL	0.9	WLY	1								
17	ASCE Strength 5 (a)		C	DL	1.2	SX	1	SY	0.3					SL	0.2
18	ASCE Strength 5 (b)		C	DL	1.2	SY	1	SX	0.3					SL	0.2
19	ASCE Strength 5 (c)		C	DL	1.2	SX	1	SY	-0.3					SL	0.2
20	ASCE Strength 5 (d)		Y	DL	1.2	SY	1	SX	-0.3					SL	0.2
21	ASCE Strength 7 (a)		Y	DL	0.9	SY	1	SY	0.3						
22	ASCE Strength 7 (b)		C	DL	0.9	SY	1	SX	0.3						
23	ASCE Strength 7 (c)		C	DL	0.9	SX	1	SY	-0.3						
24	ASCE Strength 7 (d)		C	DL	0.9	SY	1	SX	-0.3						
25	EQ Y		C	DL	1	SY	1							SL	0.2
26	EQX		C	DL	1			SX	1					SL	0.2
27	1.0X SNOW	Yes	C	DL		SL	1								
28	1.0DL+1.0SN	Yes	C	DL	1	SL	1								
29	1.0DL+0.2SN	Yes	C	DL	1	SL	0.2								
30	Deflection 1	Yes	Y	DL	1										
31	Deflection 2	Yes	Y	LL	1										
32	Deflection 3	Yes	Y	DL	1	LL	1								
33	IBC 16-8	Yes	Y	DL	1										
34	IBC 16-9	Yes	Y	DL	1	LL	1	LLS	1						
35	IBC 16-10 (a)	Yes	Y	DL	1	RLL	1								
36	IBC 16-10 (b)	Yes	Y	DL	1	SL	1	SLN	1						
37	IBC 16-11 (a)	Yes	Y	DL	1	LL	0.75	LLS	0.75	RLL	0.75				
38	IBC 16-11 (b)	Yes	Y	DL	1	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		

Load Combination Design

	Description	CD	Service	Hot Rolled	Cold Formed	Wood	Concrete	Masonry	Aluminum	Stainless	Connection
1	DEAD LOAD		Yes	Yes						Yes	
2	ASCE Strength 1			Yes						Yes	
3	ASCE Strength 2 (a)			Yes						Yes	
4	ASCE Strength 2 (b)			Yes						Yes	
5	ASCE Strength 3 (a)			Yes						Yes	
6	ASCE Strength 3 (c)			Yes						Yes	
7	ASCE Strength 3 (b) (a)			Yes						Yes	
8	ASCE Strength 3 (b) (b)			Yes						Yes	
9	ASCE Strength 3 (d) (a)			Yes						Yes	
10	ASCE Strength 3 (d) (b)			Yes						Yes	
11	ASCE Strength 4 (a) (a)			Yes						Yes	
12	ASCE Strength 4 (a) (b)			Yes						Yes	
13	ASCE Strength 4 (b) (a)			Yes						Yes	
14	ASCE STRENGTH			Yes						Yes	
15	ASCE Strength 6 (b)			Yes						Yes	
16	ASCE STRENGTH			Yes						Yes	
17	ASCE Strength 5 (a)			Yes						Yes	
18	ASCE Strength 5 (b)			Yes						Yes	
19	ASCE Strength 5 (c)			Yes						Yes	
20	ASCE Strength 5 (d)			Yes						Yes	
21	ASCE Strength 7 (a)			Yes						Yes	
22	ASCE Strength 7 (b)			Yes						Yes	

Load Combination Design (Continued)

	Description	CD	Service	Hot Rolled	Cold Formed	Wood	Concrete	Masonry	Aluminum	Stainless	Connection
23	ASCE Strength 7 (c)			Yes						Yes	
24	ASCE Strength 7 (d)			Yes						Yes	
25	EQ Y			Yes						Yes	
26	EQX			Yes						Yes	
27	1.0X SNOW			Yes						Yes	
28	1.0DL+1.0SN			Yes						Yes	
29	1.0DL+0.2SN			Yes						Yes	
30	Deflection 1		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
31	Deflection 2		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
32	Deflection 3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
33	IBC 16-8	0.9	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
34	IBC 16-9		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
35	IBC 16-10 (a)	1.25	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
36	IBC 16-10 (b)	1.15	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
37	IBC 16-11 (a)	1.25	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
38	IBC 16-11 (b)	1.15	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Envelope Node Reactions

	Node Label		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N132	max	2.652	13	0.02	13	19.501	9	0	38	0	38	0	38
2		min	-1.647	16	-0.178	16	0	31	0	1	0	1	0	1
3	N73	max	3.138	13	0.104	6	19.485	6	0	38	0	38	0	38
4		min	-1.801	16	-0.106	16	0	31	0	1	0	1	0	1
5	N21	max	0.017	15	0	31	16.868	10	0.015	10	0	38	0	38
6		min	-0.198	10	-0.941	14	0	31	0	31	0	1	0	1
7	N18	max	0.033	16	8.475	6	40.86	6	41.583	16	0.09	16	0.043	6
8		min	-0.04	9	-12.807	16	-9.256	16	-30.089	6	-0.106	9	-0.117	15
9	N19	max	3.695	15	0.183	6	15.431	6	15.946	16	9.51	15	0.06	16
10		min	-1.456	6	-4.863	16	-12.593	16	-0.66	6	-5.432	6	-0.865	13
11	N20	max	6.189	13	0.432	15	8.224	6	7.309	14	26.22	13	0.144	16
12		min	-0.03	16	-1.089	14	-5.543	15	-1.562	15	-0.326	16	-0.866	13
13	N93	max	0.168	9	1.467	15	40.951	6	35.842	10	2.209	9	0.093	15
14		min	-0.005	16	-9.081	10	-6.781	16	-5.215	15	0	31	-0.175	6
15	N94	max	3.778	15	0.714	15	15.363	6	6.142	14	10.028	15	0.664	13
16		min	-1.083	6	-0.788	14	-11.684	16	-2.651	15	-2.995	6	0	2
17	N95	max	6.159	13	0.332	6	7.981	6	10.016	16	25.914	13	1.31	15
18		min	-0.018	16	-1.819	16	-5.323	15	-1.231	6	-0.242	16	-0.137	10
19	N96	max	0.051	15	0.407	6	16.855	10	0.007	6	0	38	0	38
20		min	-0.099	14	-0.724	16	0	31	-0.008	16	0	1	0	1
21	N37	max	NC		NC		NC		NC		LOCKED		LOCKED	
22		min	NC		NC		NC		NC		LOCKED		LOCKED	
23	N97	max	NC		NC		NC		NC		LOCKED		LOCKED	
24		min	NC		NC		NC		NC		LOCKED		LOCKED	
25	N152	max	NC		NC		NC		NC		LOCKED		LOCKED	
26		min	NC		NC		NC		NC		LOCKED		LOCKED	
27	N92	max	NC		NC		NC		NC		LOCKED		LOCKED	
28		min	NC		NC		NC		NC		LOCKED		LOCKED	
29	N151	max	NC		NC		NC		NC		LOCKED		LOCKED	
30		min	NC		NC		NC		NC		LOCKED		LOCKED	
31	N91	max	NC		NC		NC		NC		LOCKED		LOCKED	
32		min	NC		NC		NC		NC		LOCKED		LOCKED	
33	Totals:	max	24.941	13	0	15	200.506	6						
34		min	0	31	-26.068	14	-39.154	16						

Envelope AISC 14TH (360-10): LRFD Member Steel Code Checks

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [k]	phi*Pnt [k]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
1	M156	HSS6X3X4	0.233	1.839	6	0.007	4.305	y	9	151.516	172.8	16.538	26.962	1.136	H1-1a
2	M155	HSS6X3X4	0.23	1.839	6	0.009	4.305	y	9	151.516	172.8	16.538	26.962	1.136	H1-1a
3	M8	C8X11.5	0.169	5.104	6	0.026	10	y	10	20.552	109.188	3.353	17.991	1.128	H1-1b
4	M7	C8X11.5	0.162	5	10	0.029	10	y	10	20.552	109.188	3.353	18.173	1.139	H1-1b
5	M56	HSS8X6X10	0.343	0	16	0.072	0	y	16	453.828	579.6	101.775	124.545	2.158	H1-1b
6	M3	C8X11.5	0.275	5	10	0.055	10	y	10	20.552	109.188	3.353	18.196	1.141	H1-1b
7	M4	C8X11.5	0.257	5	10	0.05	10	y	10	20.552	109.188	3.353	18.163	1.139	H1-1b
8	M58	HSS8X6X6	0.407	0	15	0.086	0	z	13	296.848	371.358	68.31	83.145	2.167	H1-1b
9	M6	C8X11.5	0.162	5	10	0.03	10	y	10	20.552	109.188	3.353	18.206	1.141	H1-1b
10	M136	HSS8X6X6	0.403	0	15	0.092	0	z	15	296.848	371.358	68.31	83.145	2.176	H1-1b
11	M159	HSS8X6X6	0.306	0	16	0.056	0	z	15	296.848	371.358	68.31	83.145	2.343	H1-1b
12	M134	HSS8X6X10	0.343	0	10	0.056	11.42	y	6	453.828	579.6	101.775	124.545	1.676	H1-1b
13	M5	C8X11.5	0.209	5	10	0.039	10	y	10	20.552	109.188	3.353	18.166	1.139	H1-1b
14	M158	HSS8X6X6	0.248	11.42	16	0.054	0	z	15	296.848	371.358	68.31	83.145	2.154	H1-1b
15	M166	C10X20	0.285	16.256	16	0.033	25.583	y	6	6.712	190.188	5.668	18.98	1.326	H1-1b
16	M201	W14X48	0.312	11.458	9	0.123	20	y	10	201.595	634.5	73.5	219.439	1.14	H1-1b
17	M200	C10X15.3	0.334	5.958	16	0.056	0	y	16	21.073	145.152	4.988	24.077	1.16	H1-1b
18	M202	W10X26	0.334	13.058	16	0.107	3.731	y	6	33.797	342.45	28.125	46.625	1.275	H1-1b
19	M170	C10X15.3	0.076	4	6	0.021	0	y	6	114.251	145.152	4.988	42.93	1.532	H1-1b
20	M203	W10X26	0.33	9.594	16	0.105	21.852	y	6	33.797	342.45	28.125	46.674	1.277	H1-1b
21	M274	C10X15.3	0.363	3.566	15	0.04	3.566	y	16	75.896	145.152	4.988	42.93	1.535	H1-1b
22	M272	C10X15.3	0.497	3.566	15	0.033	3.566	y	6	75.896	145.152	4.988	42.93	1.579	H1-1b
23	M270	C10X15.3	0.251	3.566	15	0.033	3.566	y	6	75.896	145.152	4.988	42.93	1.561	H1-1b
24	M180	C10X20	0.337	17.056	16	0.03	3.997	z	16	6.712	190.188	5.668	19.133	1.337	H1-1b
25	M199	C10X15.3	0.19	5	16	0.047	0	y	16	35.613	145.152	4.988	31.442	1.139	H1-1b
26	M173	C10X15.3	0.382	1.563	6	0.015	5	y	6	99.858	145.152	4.988	39.404	1.024	H1-1a
27	M196	C10X15.3	0.303	0	6	0.03	4	y	6	114.251	145.152	4.988	42.93	1.104	H1-1a
28	M169	C10X15.3	0.074	0	6	0.03	1	y	6	142.997	145.152	4.988	42.93	1.429	H1-1b
29	M168	C10X15.3	0.084	5.5	6	0.034	0.057	y	6	92.315	145.152	4.988	42.93	2.937	H1-1b
30	M146	C10X15.3	0.046	0	16	0.033	2.5	y	6	132.194	145.152	4.988	42.93	3	H1-1b
31	M176	C10X15.3	0.136	0	6	0.027	4	y	6	114.251	145.152	4.988	42.93	1.109	H1-1b
32	M177	C10X15.3	0.066	0	6	0.022	4	y	6	114.251	145.152	4.988	42.93	1.52	H1-1b
33	M178	C10X15.3	0.07	1	10	0.03	0	y	6	142.997	145.152	4.988	42.93	1.332	H1-1b
34	M198	C10X15.3	0.364	7.177	16	0.057	13	y	16	21.073	145.152	4.988	24.1	1.161	H1-1b
35	M179	C10X15.3	0.099	0	6	0.034	5.385	y	6	92.315	145.152	4.988	42.93	2.902	H1-1b
36	M172	C10X15.3	0.317	4	6	0.03	0	y	6	114.251	145.152	4.988	42.93	1.102	H1-1a
37	M171	C10X15.3	0.15	4	6	0.028	0	y	6	114.251	145.152	4.988	42.93	1.103	H1-1b
38	M160	W10X26	0.486	10.833	15	0.091	10.292	y	15	8.181	342.45	28.125	26.863	1.613	H1-1b
39	M157	W27X84	0.283	44.417	10	0.067	7.583	y	6	61.5	1111.5	124.5	204.064	1.462	H1-1b
40	M174	W10X54	0.299	9.057	10	0.171	0	y	9	525.038	711	117.375	249.75	1	H1-1b
41	M175	C10X15.3	0.382	3.594	6	0.014	0	y	6	99.858	145.152	4.988	39.355	1.022	H1-1a
42	M181	C10X15.3	0.045	2.5	6	0.033	0	y	6	132.194	145.152	4.988	42.93	2.282	H1-1b
43	M1	W10X54	0.301	9.057	10	0.197	0	y	10	525.038	711	117.375	249.75	1	H1-1b
44	M254	C10X15.3	0.024	5.333	15	0.071	5.333	y	16	94.848	145.152	4.988	42.93	2.561	H1-1b
45	M262	W10X19	0.151	6.583	13	0.014	3.635	y	6	139.101	252.9	12.563	81	1.831	H1-1b
46	M107	W10X19	0.307	12.906	10	0.028	5.031	y	10	15.261	252.9	12.563	25.954	1.418	H1-1b
47	M105	W10X19	0.368	13.125	10	0.037	5.031	y	9	15.261	252.9	12.563	25.759	1.407	H1-1b
48	M103	W10X19	0.437	13.563	10	0.053	4.813	y	6	15.261	252.9	12.563	24.492	1.338	H1-1b
49	M101	W10X19	0.454	14	10	0.074	4.813	y	6	15.261	252.9	12.563	23.024	1.258	H1-1b
50	M99	W10X26	0.164	14.219	10	0.046	5.031	y	6	50.16	342.45	28.125	46.533	1	H1-1b
51	M95	C10X15.3	0.03	5	15	0.026	4.74	y	16	99.858	145.152	4.988	42.93	1.752	H1-1b
52	M50	C10X15.3	0.154	5	14	0.07	0.365	y	13	99.858	145.152	4.988	42.93	1.594	H1-1b
53	M48	C10X15.3	0.194	5	16	0.064	5	y	16	55.645	145.152	4.988	42.93	1.437	H1-1b
54	M46	C10X15.3	0.171	5	16	0.061	5	y	6	55.645	145.152	4.988	42.93	1.515	H1-1b
55	M44	C10X15.3	0.097	5	16	0.034	5	y	16	55.645	145.152	4.988	42.93	1.838	H1-1b

Envelope AISC 14TH (360-10): LRFD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [k]	phi*Pnt [k]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
56	M42	C10X15.3	0.049	5	14	0.019	5	y	15	55.645	145.152	4.988	42.93	2.02	H1-1b
57	M40	C10X15.3	0.041	5	12	0.027	8	y	9	55.645	145.152	4.988	42.93	2.102	H1-1b
58	M38	C10X15.3	0.053	5	16	0.046	5	y	6	55.645	145.152	4.988	42.93	2.081	H1-1b
59	M36	C10X15.3	0.083	5	16	0.063	5	y	6	55.645	145.152	4.988	42.93	1.987	H1-1b
60	M29	W10X19	0.316	12.906	10	0.03	5.031	y	6	15.261	252.9	12.563	25.554	1.396	H1-1b
61	M27	W10X19	0.375	13.125	10	0.035	5.031	y	6	15.261	252.9	12.563	25.884	1.414	H1-1b
62	M25	W10X19	0.441	13.563	10	0.046	5.031	y	10	15.261	252.9	12.563	24.558	1.342	H1-1b
63	M23	W10X19	0.451	14	10	0.063	4.813	y	10	15.261	252.9	12.563	23.08	1.261	H1-1b
64	M21	W10X26	0.177	14	10	0.044	5.031	y	6	50.16	342.45	28.125	46.533	1	H1-1b
65	M19	W8X21	0.057	5	10	0.024	10	y	10	142.721	277.2	21.337	69.396	1.137	H1-1b
66	M17	C10X15.3	0.03	5	15	0.027	0.26	y	16	99.858	145.152	4.988	42.93	1.72	H1-1b
67	M109	W10X19	0.281	13.344	10	0.03	5.031	y	6	15.261	252.9	12.563	25.334	1.384	H1-1b
68	M267	C10X15.3	0.102	3.635	16	0.031	3.566	y	6	75.896	145.152	4.988	42.93	1.568	H1-1b
69	M111	W10X19	0.269	13.563	6	0.03	5.031	y	9	15.261	252.9	12.563	23.486	1.283	H1-1b
70	M116	C10X15.3	0.048	5	16	0.043	5	y	6	55.645	145.152	4.988	42.93	1.766	H1-1b
71	M260	C10X15.3	0.116	3.566	15	0.013	3.566	y	6	75.896	145.152	4.988	42.93	1.523	H1-1b
72	M259	C10X15.3	0.463	3.566	15	0.033	3.566	y	6	75.896	145.152	4.988	42.93	1.57	H1-1b
73	M232	C10X15.3	0.355	3.566	15	0.036	3.566	y	16	75.896	145.152	4.988	42.93	1.533	H1-1b
74	M257	W10X45	0.463	17.625	14	0.118	2.625	y	16	64.642	598.5	76.125	107.182	1.155	H1-1b
75	M241	W10X26	0.369	11	16	0.05	0.688	y	16	45.704	342.45	28.125	49.544	1.128	H1-1b
76	M247	W10X19	0.177	4.813	9	0.028	5.031	y	10	15.261	252.9	12.563	22.927	1.252	H1-1b
77	M244	W10X19	0.289	13.344	10	0.028	5.031	y	6	15.261	252.9	12.563	24.814	1.356	H1-1b
78	M240	W10X26	0.425	10.771	16	0.05	21.313	y	16	45.704	342.45	28.125	49.565	1.129	H1-1b
79	M256	C10X15.3	0.195	5.333	14	0.052	1.555	y	14	94.848	145.152	4.988	42.93	1.651	H1-1b
80	M255	C10X15.3	0.02	2.667	6	0.097	0	y	16	94.832	145.152	4.988	42.93	1.162	H1-1b
81	M182	C10X15.3	0.44	11.667	6	0.034	2.5	y	6	8.903	145.152	4.988	15.542	1.22	H1-1b
82	M253	C10X15.3	0.023	5.333	15	0.073	0	y	16	94.848	145.152	4.988	42.93	2.853	H1-1b
83	M252A	C10X15.3	0.02	2.667	6	0.095	0.222	y	16	94.832	145.152	4.988	42.93	1.162	H1-1b
84	M251A	C10X15.3	0.177	0	14	0.052	3.611	y	14	94.848	145.152	4.988	42.93	1.676	H1-1b
85	M132	W14X48	0.397	8.542	9	0.114	0	y	6	166.608	634.5	73.5	173.601	1	H1-1b
86	M128	C10X15.3	0.178	5	14	0.076	0.156	y	16	99.858	145.152	4.988	42.93	1.594	H1-1b
87	M126	C10X15.3	0.155	5	16	0.073	5	y	6	55.645	145.152	4.988	42.93	1.463	H1-1b
88	M124	C10X15.3	0.124	5	16	0.063	5	y	6	55.645	145.152	4.988	42.93	1.578	H1-1b
89	M122	C10X15.3	0.07	5	16	0.037	5	y	6	55.645	145.152	4.988	42.93	2.012	H1-1b
90	M120	C10X15.3	0.043	5	14	0.019	5	y	16	55.645	145.152	4.988	42.93	2.169	H1-1b
91	M118	C10X15.3	0.035	5	10	0.024	5	y	6	55.645	145.152	4.988	35.793	1.12	H1-1b
92	M114	C10X15.3	0.07	5	16	0.06	5	y	6	55.645	145.152	4.988	42.93	2.014	H1-1b
93	M154	C10X15.3	0.442	11.458	6	0.034	2.5	y	6	8.903	145.152	4.988	15.401	1.209	H1-1b