



April 2, 2025

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Jacobs Telecommunications, Inc.
450 Raritan Center Parkway
Edison, NJ 08837
(732) 225-3330

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Subject:	Appurtenance Mount Analysis Report	
Carrier Designation:	FA Location:	14493105
	Site Name:	Richford Hardwood Hill Road
	IWM Job Number:	WSCTB0028406
Engineering Firm Designation:	B+T Group Project Number:	174472.001.01.0003
Site Data:	254 Hardwood Hill Road, Richford, VT, 05476, Franklin County Latitude 44.96980°, Longitude -72.67000° 139' Monopole Existing 13' Sabre Part# C10857802 Sector Mount	

Dear Michael Street,

B+T Group is pleased to submit this “**Appurtenance Mount Analysis Report**” to determine the structural integrity of the antenna mount on the above-mentioned structure.

The purpose of the analysis is to determine acceptability of the mount’s stress level. Based on our analysis we have determined the stress level for the mount under the following load case to be:

Existing + Proposed Equipment
Note: See Table 1 for the final loading configuration

Sufficient Capacity
(Passing at 82.0% with
Requirements in Section 5)

The jurisdiction has adopted the 2015 International Building Code. This analysis has been performed in accordance with the ANSI/TIA-222-H Standard.

All the equipment proposed in this report shall be installed in accordance with the drawings for the determined available structural capacity to be effective.

We at B+T Group appreciate the opportunity of providing our continuing professional services to you and Jacobs Telecommunications, Inc. If you have any questions or need further assistance on this or any other projects, please give us a call.

Mount structural analysis prepared by: Sheharyar Malik

Respectfully submitted by: B&T Engineering, Inc.

Chad E. Tuttle, P.E.



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1) INTRODUCTION

The appurtenance mount consists of existing Sabre Part# C10857802 sector mount at 136 ft., attached to monopole at 254 Hardwood Hill Road, Richford, VT, 05476, Franklin County. The proposed antenna loading information was obtained from Jacobs Telecommunications, Inc. All information provided to B+T Group was assumed accurate and complete.

2) ANALYSIS CRITERIA

The structural analysis was performed for this mount in accordance with the ANSI/TIA-222-H-2017 Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures, ATT-790-202-083 MACRO Build Standards and ATT-002-291-373 Mount Technical Guidance using a 3-second gust wind speed of 107 mph with no ice and 40 mph with 1.50 inch escalated ice thickness. Exposure Category B, Topographic Category 5 with a maximum topographic factor Kzt. of 1.912 and Risk Category II were used in this analysis.

In addition, the sector mount has been analyzed for various live loading conditions consisting of a 250-lb man live load applied individually at the midpoint and cantilevered ends of horizontal members as well as a 250-pound man live load applied individually at mount pipe locations using a 3-second gust of 30 mph. The mount was analyzed under 30° increments in the wind direction.

The analyzed loading is detailed in Table 1.

Table 1 – Proposed and Existing Equipment Information

Loading	RAD Center Elev. (ft.)	Position	Qty.	Manufacturer	Model / Type	Note
Proposed	138.5	3	3	Ericsson	AIR 6472 B77G B77M	1
	136	-	3	Ericsson	4490 B5/B12A	2
Existing	136	1	3	CCI Antennas	TPA65R-BU8DA-K	3
		4	3	CCI Antennas	DMP65R-BU8DA-K	
		-	3	Ericsson	4478 B14	4
			3	Ericsson	4415 B30	
			3	Ericsson	8843 B2/B66A	
			2	Raycap	DC9-48-60-24-8C-EV	

Note:

- (1) Proposed Antenna to be installed on the Proposed Antenna Mount Pipe.
- (2) Proposed Equipment to be installed on the Proposed Equipment Mount Pipe.
- (3) Existing Antenna installed on the Existing Antenna Mount Pipe.
- (4) Existing Equipment to be relocated on the Proposed Equipment Mount Pipe.

Table 2 – Documents Provided

Documents	Remarks	Reference	Source
14493105_VT1035_DE130_06.11.24Updated.8.21.2024 CS – DE130	Existing Loading Proposed Loading	Date: 08/21/2024	Jacobs Telecommunications, Inc.
RFDS		Date: 12/30/2024	
Redlined CD's by B+T Group		Date: 03/06/2025	
Appurtenance Mount Analysis Report	B+T Group	Date: 02/11/2025	On File

3) ANALYSIS PROCEDURE

3.1) Analysis Method

RISA-3D (Version 22.0.1), a commercially available analysis software package, was used to create a three-dimensional model of the mount and calculate member stresses and deflections for various loading cases. Selected output from the analysis is included in Appendix A.

Manufacturers drawing were used to create the model.

3.2) Assumptions

1. The mount was built in accordance with the manufacturer's specifications.
2. The mount has been maintained in accordance with the manufacturer's specifications and is free of damage.
3. The configuration of antennas and other appurtenances are as specified in Table 1.
4. All mount components have been assumed to be in sufficient condition to carry their full design capacity for the analysis.
5. Mount areas and weights are determined from field measurements, standard material properties, and/or manufacturer product data.

The following assumptions have been included in the analysis of the mount:

Component	Section	Length	Note
Existing Antenna Mount Pipes	2-1/2" Std. Pipe	8'-6"	Pos. 1 & Pos. 4, All Sectors
		9'-0"	Pos. 2, All Sectors

6. Serviceability with respect to antenna twist, tilt, roll or lateral translation is not checked and is left to the carrier or tower owner to ensure conformance.
7. All prior structural modifications, if any are assumed to be correctly installed and fully effective.
8. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
9. The following material grades were assumed (Unless Noted Otherwise):
 - a) Connection Bolts : ASTM A325
 - b) Steel Pipe : ASTM A53 (GR. 35)
 - c) HSS (Round) : ASTM 500 (GR. B-42)
 - d) HSS (Rectangular) : ASTM 500 (GR. B-46)
 - e) Channel : ASTM A36 (GR. 36)
 - f) Steel Solid Rod : ASTM A36 (GR. 36)
 - g) Steel Plate : ASTM A36 (GR. 36)
 - h) Steel Angle : ASTM A36 (GR. 36)
 - i) UNISTRUT : ASTM A570 (GR. 33)

This analysis may be affected if any assumptions are not valid or have been made in error. B+T Group should be notified to determine the effect on the structural integrity of the antenna mounting system.

4) ANALYSIS RESULTS

Table 3 – Mount Component Stresses vs. Capacity

Notes	Component	Elevation (ft.)	% Capacity*	Pass / Fail
-	Face Horizontals	136	79.3	Pass
-	Support Horizontals	136	37.2	Pass
-	Verticals	136	50.6	Pass
-	Diagonals	136	16.4	Pass
-	Connection Plates	136	34.4	Pass
-	Mount Pipes	136	30.8	Pass
-	Tie Backs	136	25.8	Pass
-	Connection Pipes	136	37.5	Pass
-	Equipment Mount Pipes	136	27.3	Pass
-	Connection Bolts	136	82.0	Pass

Note: *Member Capacity based on requirements listed in Section 5

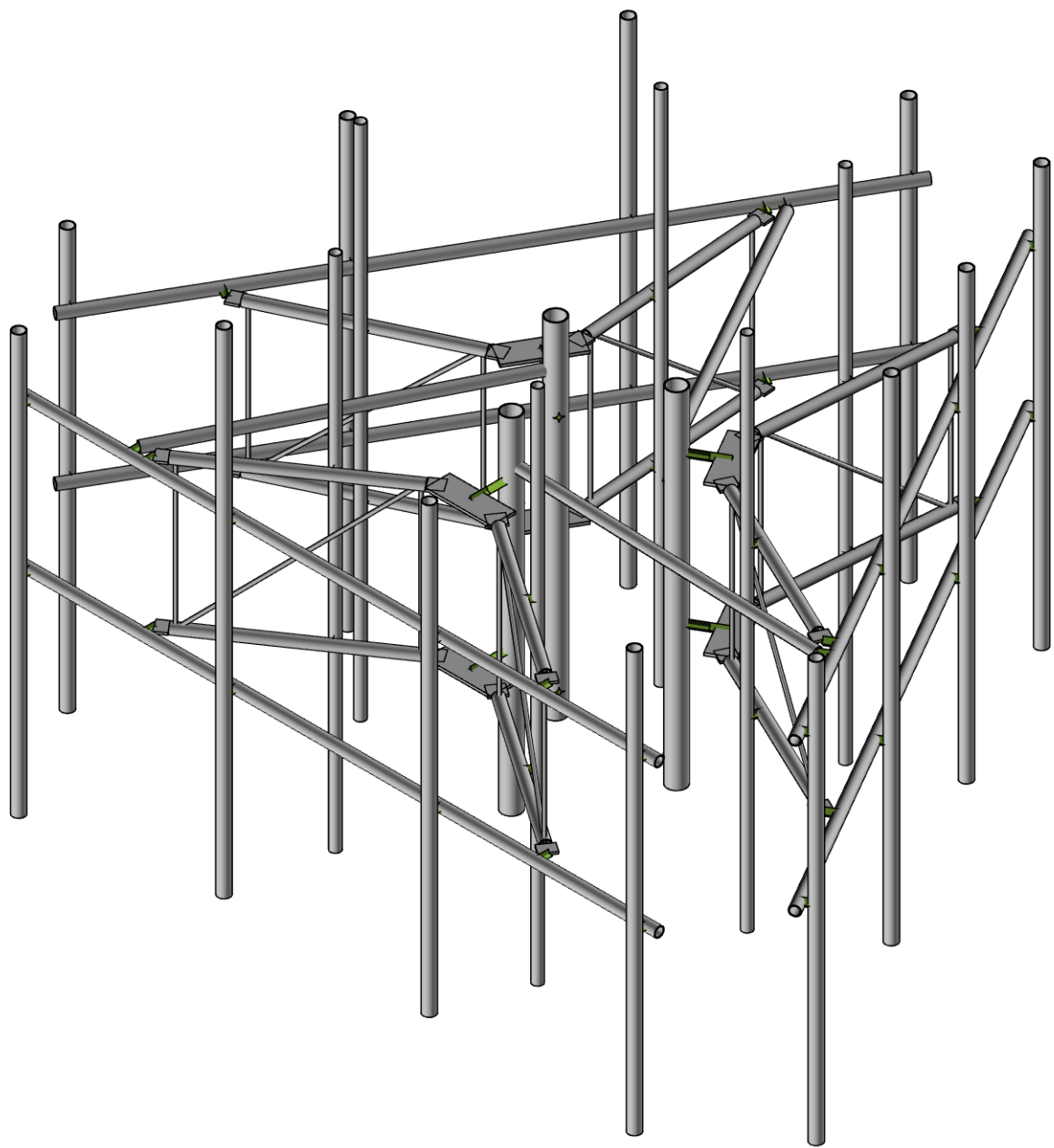
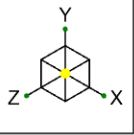
5) REQUIREMENTS

The mount has sufficient capacity to carry the existing and proposed loads and is in compliance with the ANSI/TIA-222-H standard for the proposed and existing loading. (Refer to the RISA output for the specific members).

1. Install (3) new 2-1/2" x 10'-0" long SitePro1 Part# P30120 (P/N: ANT.16008) or conmat approved equivalent antenna mount pipes attached to Position 3 of face horizontals of the mount by using (6) Commscope Part# XP-2025 (P/N: ANT.54856) or conmat approved equivalent cross over plates kit on all sectors.
2. Install (6) new 2-3/8" x 10'-6" long Commscope Part# MT-537 (P/N: ANT.16531) or conmat approved equivalent equipment mount pipes attached to support arms of the mount by using (12) new Commscope Part# XP-2020 (P/N: ANT.16506) or conmat approved equivalent crossover plate kit to accommodate Radios and Raycap on all sectors
3. Install proposed mount pipes and relocate existing mount pipes per requirements set by ATT-790-202-083.

APPENDIX A

(RISA-3D Output)



Envelope Only Solution



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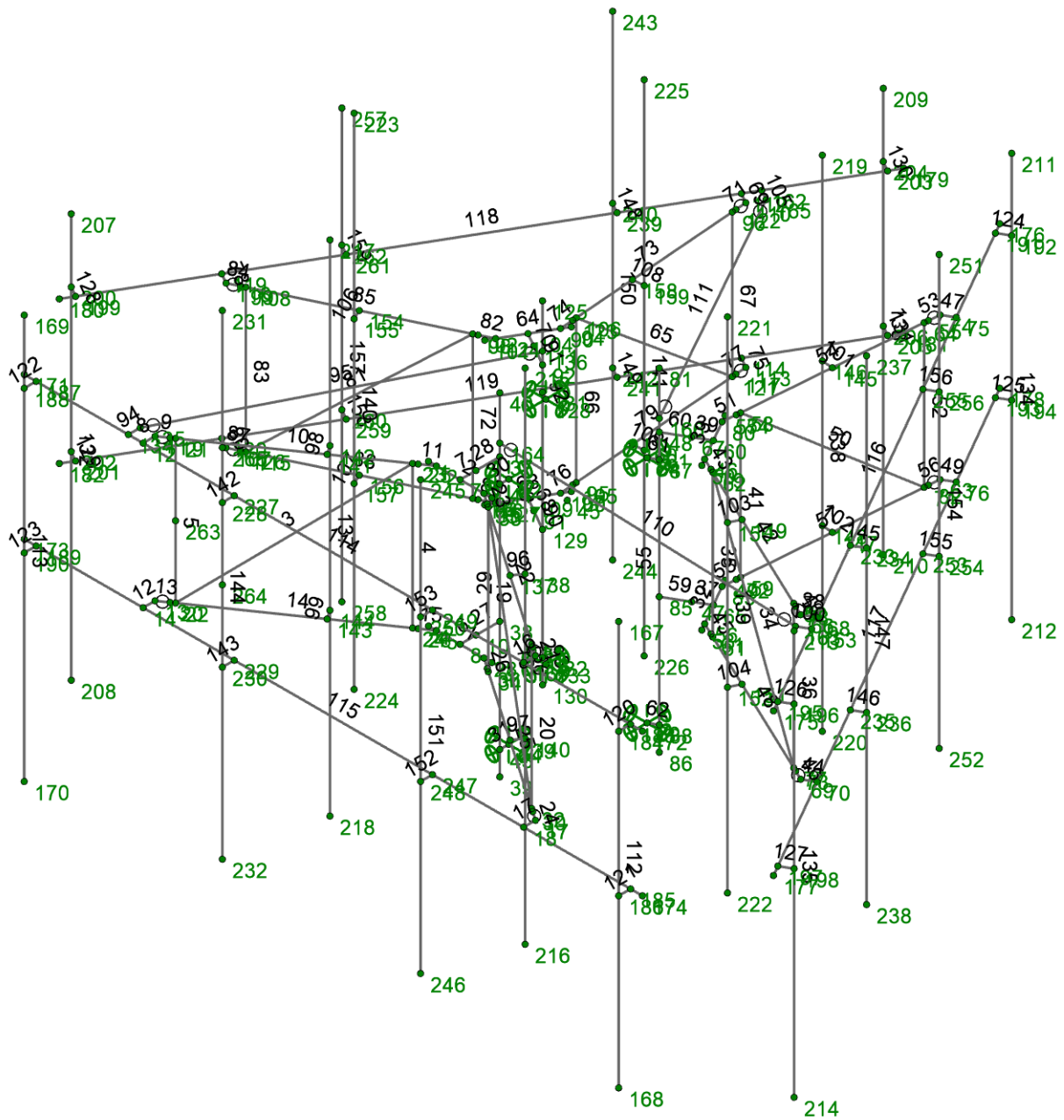
174472.001.01.0003

14493105 - Richford Hardwood Hill Road

SK-1

Mar 25, 2025 at 02:42 PM

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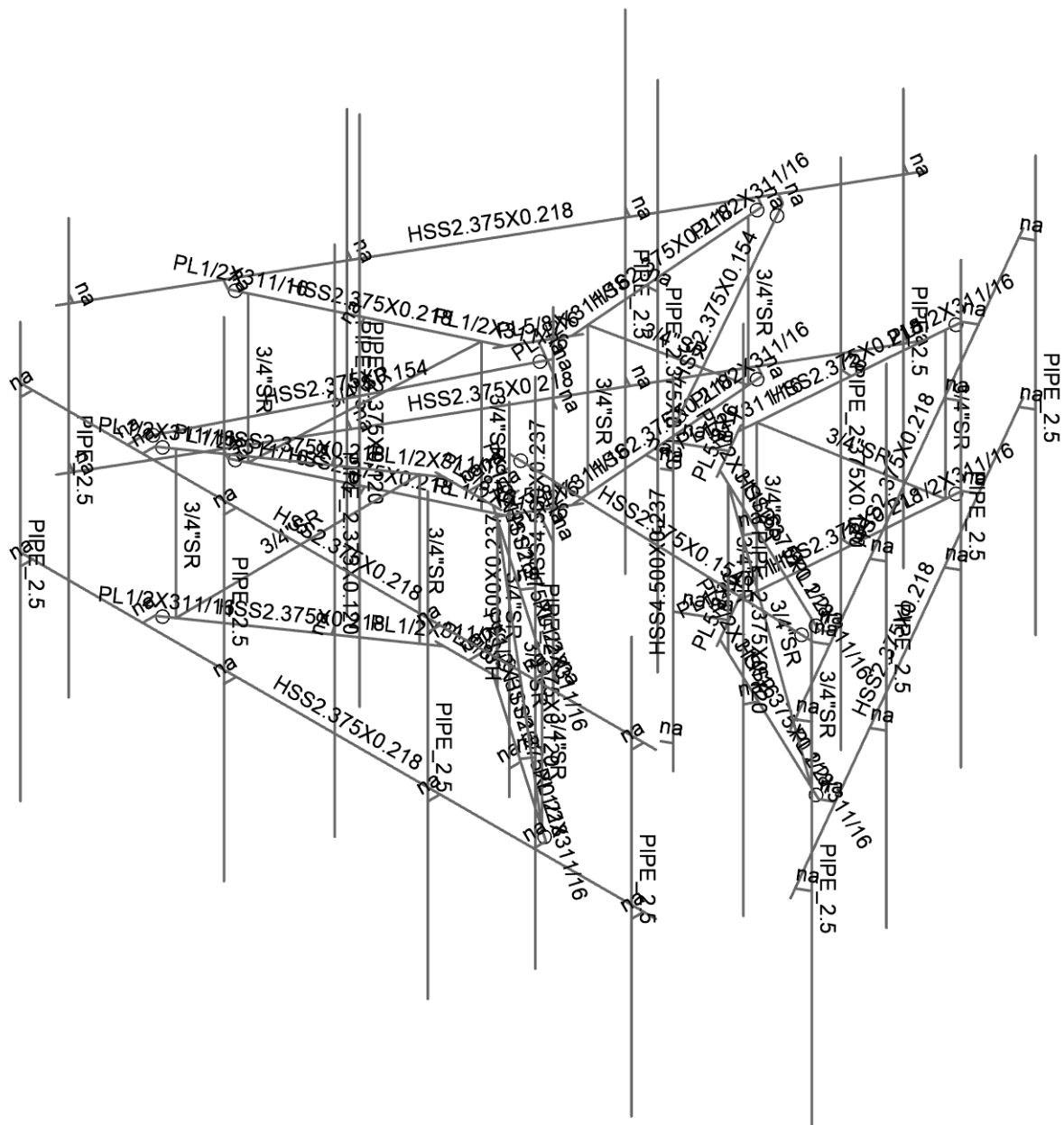
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14493105 - Richford Hardwood Hill Road

SK-2

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Envelope Only Solution



B+T Group

VK

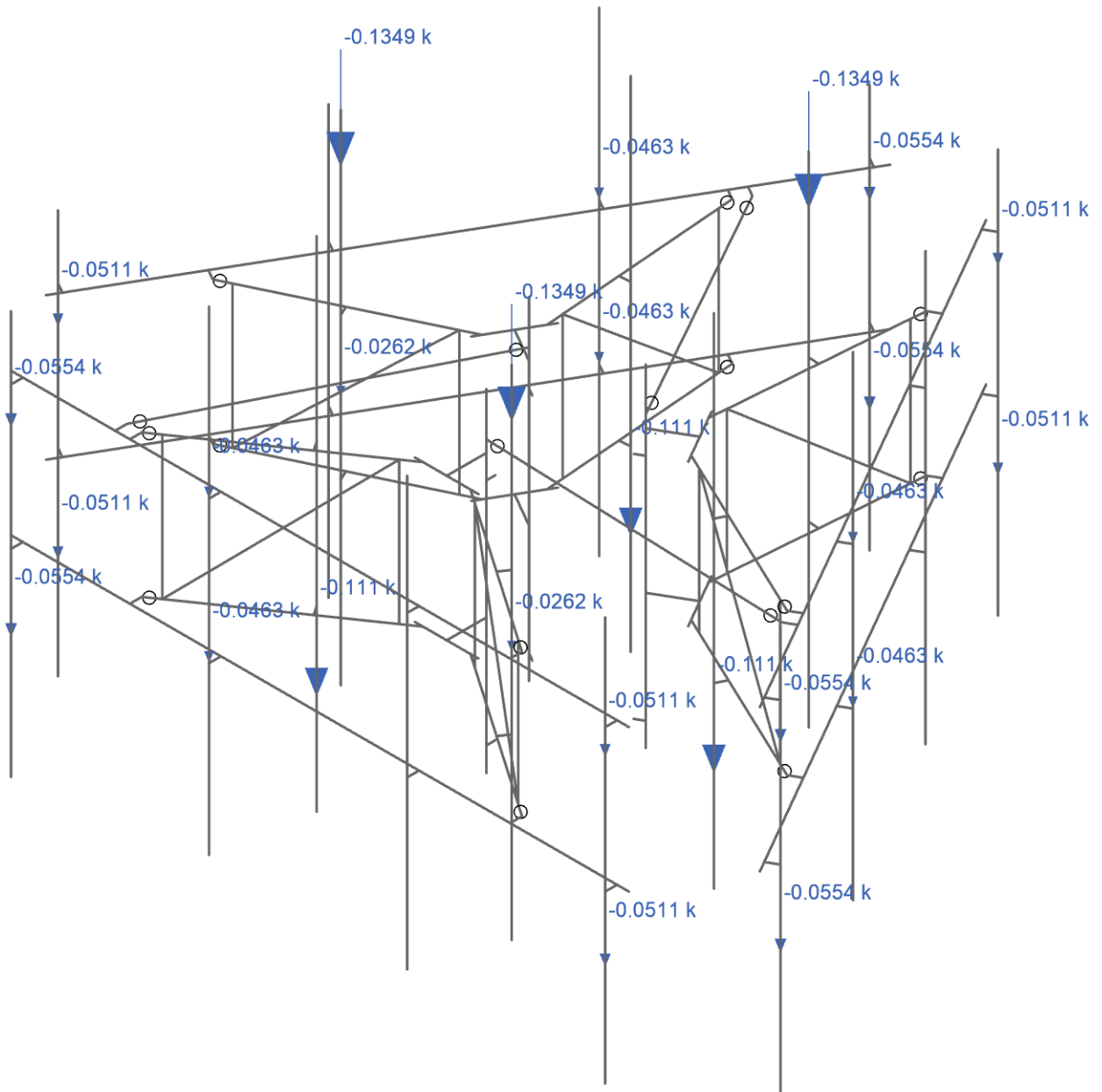
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14493105 - Richford Hardwood Hill Road

SK-3

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Loads: BLC 1, Dead
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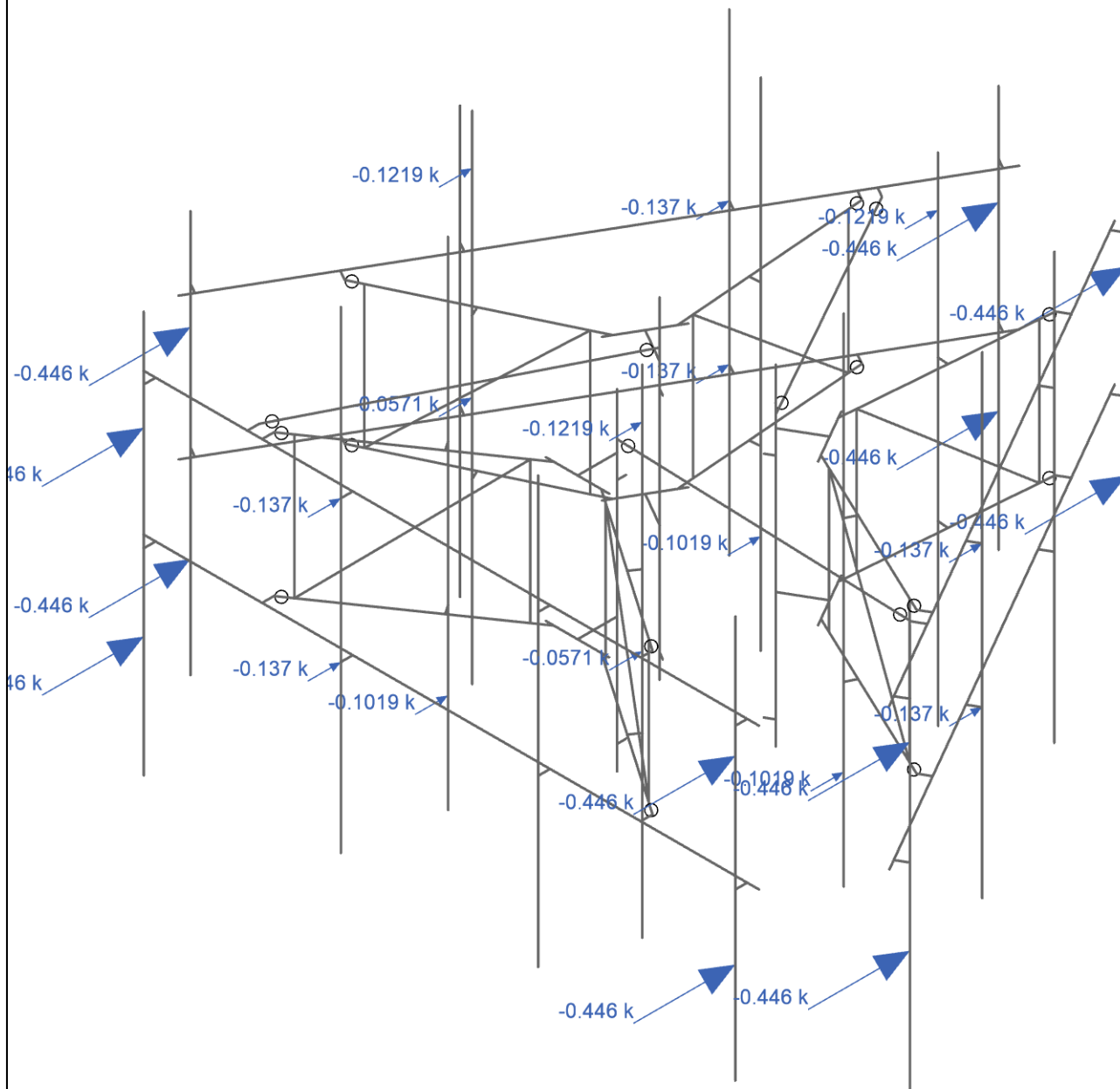
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14493105 - Richford Hardwood Hill Road

SK-4

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Loads: BLC 2, 0 Wind
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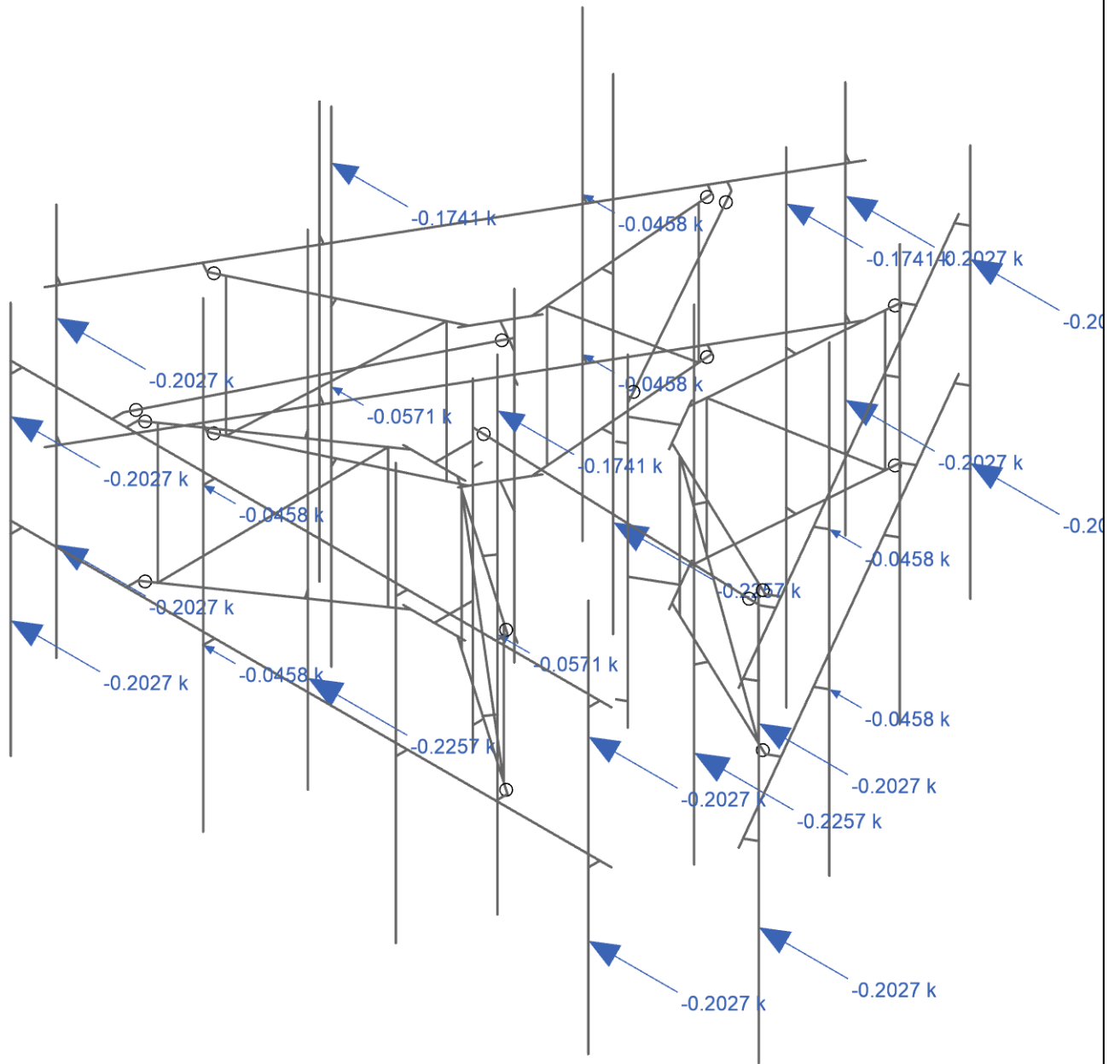
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14493105 - Richford Hardwood Hill Road

SK-5

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Loads: BLC 5, 90 Wind
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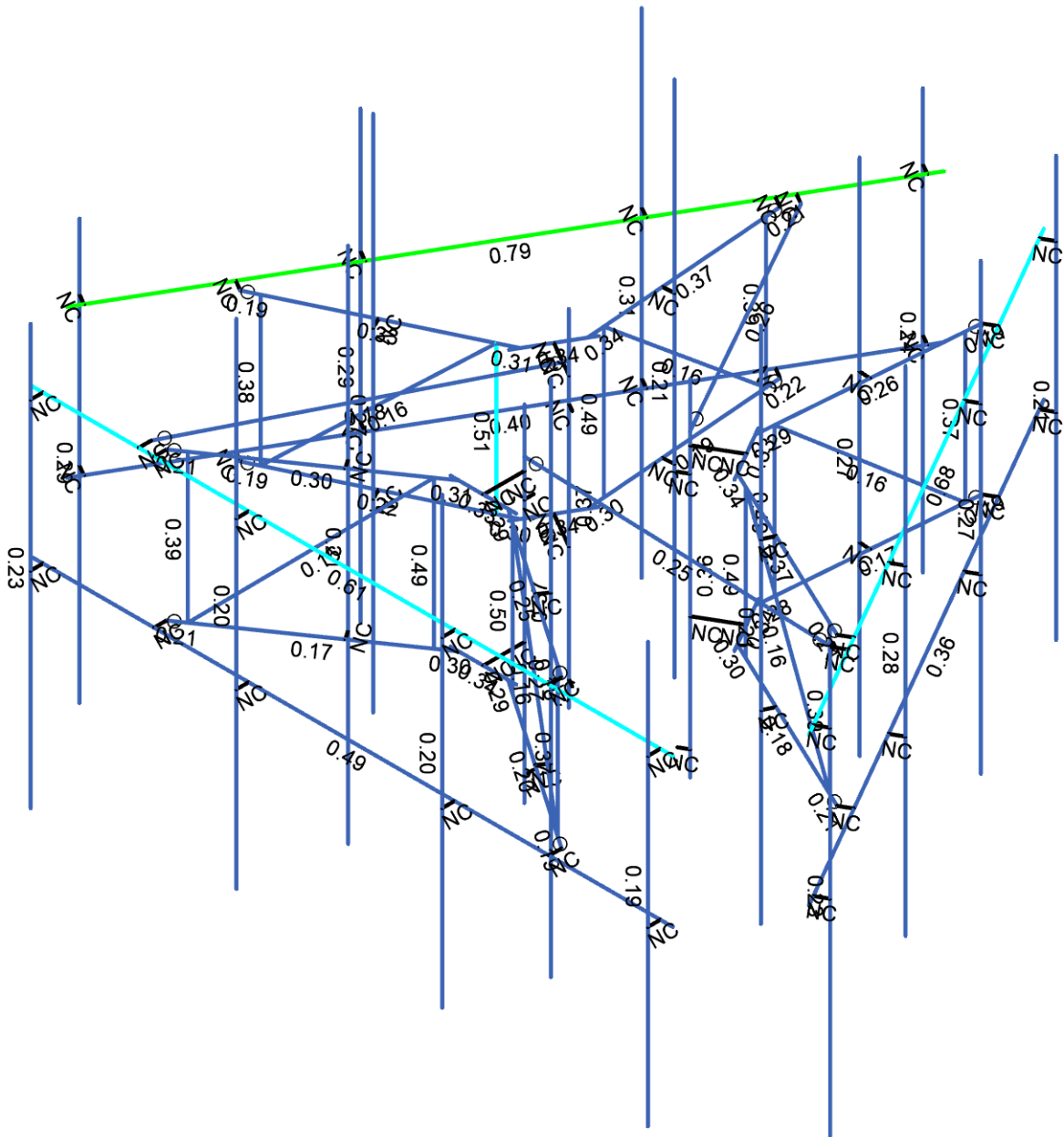
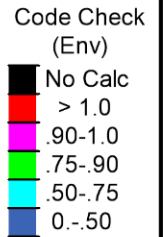
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14493105 - Richford Hardwood Hill Road

SK-6

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Member Code Checks Displayed (Enveloped)
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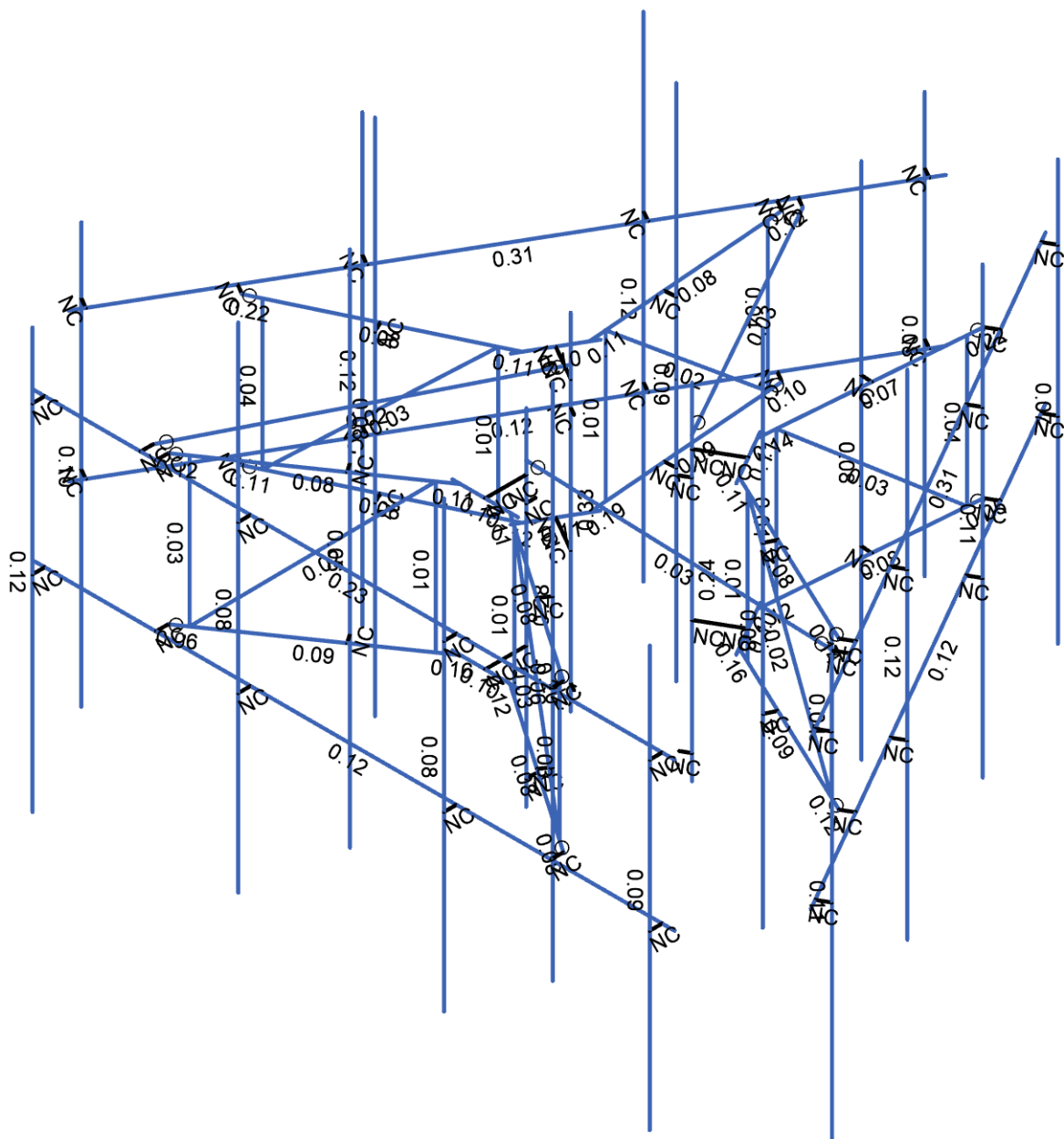
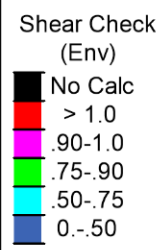
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14493105 - Richford Hardwood Hill Road

SK-7

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RISA
A NEMETSCHEK COMPANY

VK

14493105 - Richford Hardwood Hill Road

SK-8

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Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	1	-0.666667	1.499997	2.250633	
2	2	-0.5	1.499997	2.250633	
3	3	0.666667	-1.500003	2.250633	
4	4	-0.666667	-1.500003	2.250633	
5	5	-0.5	-1.500003	2.250633	
6	6	0.666667	1.499997	2.250633	
7	7	0	1.499997	2.250633	
8	8	0	-1.500003	2.250633	
9	9	0	1.499997	1.9173	
10	10	0	-1.500003	1.9173	
11	11	-4	1.499997	4.667303	
12	12	-4	1.499997	4.9173	
13	13	-4	-1.500003	4.667303	
14	14	-4	-1.500003	4.9173	
15	15	4	1.499997	4.667303	
16	16	4	1.499997	4.9173	
17	17	4	-1.500003	4.667303	
18	18	4	-1.500003	4.9173	
19	19	-3.812998	1.499997	4.538181	
20	20	-3.812998	-1.500003	4.538181	
21	21	-3.744423	1.499997	4.490831	
22	22	-3.744423	-1.500003	4.490831	
23	23	-0.79571	1.499997	2.454814	
24	24	-0.79571	-1.500003	2.454814	
25	25	-0.727135	1.499997	2.407465	
26	26	-0.727135	-1.500003	2.407465	
27	27	0.5	1.499997	2.250633	
28	28	0.5	-1.500003	2.250633	
29	29	3.812998	1.499997	4.538181	
30	30	3.812998	-1.500003	4.538181	
31	31	3.744423	1.499997	4.490831	
32	32	3.744423	-1.500003	4.490831	
33	33	0.79571	1.499997	2.454814	
34	34	0.79571	-1.500003	2.454814	
35	35	0.727135	1.499997	2.407465	
36	36	0.727135	-1.500003	2.407465	
37	37	0	1.499997	1.4173	
38	38	0	-1.500003	1.4173	
39	39	0	-4.33297	1.4173	
40	40	0	2.66703	1.4173	
41	41	0	1	1.4173	
42	42	0	1	1.2298	
43	43	0	-3.833339	1.4173	
44	44	0	-3.833339	1.2298	
45	45	0	0	0	
46	46	2.199106	1.499997	-0.692304	
47	47	1.660431	-1.500003	-0.95865	
48	48	1.227418	1.499997	-0.70865	
49	49	1.615772	-1.500003	-1.702667	
50	50	2.282439	1.499997	-0.547966	
51	51	2.523786	-1.500003	-0.538302	
52	52	5.761386	1.499997	0.99735	
53	53	2.282439	-1.500003	-0.547966	
54	54	1.721358	1.499997	-1.83345	
55	55	2.023681	1.499997	-5.571243	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
56	56	2.199106	-1.500003	-0.692304	
57	57	1.615772	1.499997	-1.702667	
58	58	1.728076	1.499997	-1.916512	
59	59	1.728076	-1.500003	-1.916512	
60	60	1.949106	1.499997	-1.125317	
61	61	2.448493	-1.500003	-0.574015	
62	62	2.523786	1.499997	-0.538302	
63	63	2.042003	-1.500003	-5.797753	
64	64	2.016963	1.499997	-5.488181	
65	65	1.949106	-1.500003	-1.125317	
66	66	6.042003	1.499997	1.13045	
67	67	1.660431	1.499997	-0.95865	
68	68	6.258507	1.499997	1.005452	
69	69	6.042003	-1.500003	1.13045	
70	70	6.258507	-1.500003	1.005452	
71	71	2.016963	-1.500003	-5.488181	
72	72	1.721358	-1.500003	-1.83345	
73	73	5.836679	-1.500003	1.033062	
74	74	2.042003	1.499997	-5.797753	
75	75	2.258507	1.499997	-5.922752	
76	76	2.258507	-1.500003	-5.922752	
77	77	5.761386	-1.500003	0.99735	
78	78	5.836679	1.499997	1.033062	
79	79	2.448493	1.499997	-0.574015	
80	80	1.699106	1.499997	-1.558329	
81	81	1.227418	2.66703	-0.70865	
82	82	2.023681	-1.500003	-5.571243	
83	83	1.699106	-1.500003	-1.558329	
84	84	1.065038	1	-0.6149	
85	85	1.227418	-1.500003	-0.70865	
86	86	1.227418	-4.33297	-0.70865	
87	87	1.227418	1	-0.70865	
88	88	1.227418	-3.833339	-0.70865	
89	89	1.065038	-3.833339	-0.6149	
90	90	-1.699106	1.499997	-1.558329	
91	91	-1.660431	-1.500003	-0.95865	
92	92	-1.227418	1.499997	-0.70865	
93	93	-2.282439	-1.500003	-0.547966	
94	94	-1.615772	1.499997	-1.702667	
95	95	-1.728076	-1.500003	-1.916512	
96	96	-2.016963	1.499997	-5.488181	
97	97	-1.615772	-1.500003	-1.702667	
98	98	-2.448493	1.499997	-0.574015	
99	99	-5.836679	1.499997	1.033062	
100	100	-1.699106	-1.500003	-1.558329	
101	101	-2.282439	1.499997	-0.547966	
102	102	-2.523786	1.499997	-0.538302	
103	103	-2.523786	-1.500003	-0.538302	
104	104	-1.949106	1.499997	-1.125317	
105	105	-1.721358	-1.500003	-1.83345	
106	106	-1.728076	1.499997	-1.916512	
107	107	-6.042003	-1.500003	1.13045	
108	108	-5.761386	1.499997	0.99735	
109	109	-1.949106	-1.500003	-1.125317	
110	110	-2.042003	1.499997	-5.797753	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
111	111	-1.660431	1.499997	-0.95865	
112	112	-2.258507	1.499997	-5.922752	
113	113	-2.042003	-1.500003	-5.797753	
114	114	-2.258507	-1.500003	-5.922752	
115	115	-5.761386	-1.500003	0.99735	
116	116	-2.448493	-1.500003	-0.574015	
117	117	-2.023681	-1.500003	-5.571243	
118	118	-6.042003	1.499997	1.13045	
119	119	-6.258507	1.499997	1.005452	
120	120	-6.258507	-1.500003	1.005452	
121	121	-2.016963	-1.500003	-5.488181	
122	122	-2.023681	1.499997	-5.571243	
123	123	-1.721358	1.499997	-1.83345	
124	124	-2.199106	1.499997	-0.692304	
125	125	-1.227418	2.66703	-0.70865	
126	126	-5.836679	-1.500003	1.033062	
127	127	-2.199106	-1.500003	-0.692304	
128	128	-1.065038	1	-0.6149	
129	129	-1.227418	-1.500003	-0.70865	
130	130	-1.227418	-4.33297	-0.70865	
131	131	-1.227418	1	-0.70865	
132	132	-1.227418	-3.833339	-0.70865	
133	133	-1.065038	-3.833339	-0.6149	
134	134	-4.3105	1.5	4.9173	
135	135	-4.3105	1.5	4.6673	
136	136	-1.227418	1.75	-0.70865	
137	137	2.270068	1.499997	3.472824	
138	138	2.40028	1.499997	3.28424	
139	139	2.270068	-1.500003	3.472824	
140	140	2.40028	-1.500003	3.28424	
141	141	-1.858616	1.499997	3.188726	
142	142	-1.98883	1.499997	3.00014	
143	143	-1.858616	-1.500003	3.188726	
144	144	-1.98883	-1.500003	3.00014	
145	145	1.87252	1.499997	-3.70235	
146	146	1.644095	1.499997	-3.72082	
147	147	1.87252	-1.500003	-3.70235	
148	148	1.644095	-1.500003	-3.72082	
149	149	3.690831	1.499997	0.015248	
150	150	3.592619	1.499997	0.222307	
151	151	3.690831	-1.500003	0.015248	
152	152	3.592619	-1.500003	0.222307	
153	153	6.413756	1.5	1.274352	
154	154	-4.142582	1.499997	0.229522	
155	155	-4.044369	1.499997	0.436583	
156	156	-4.142582	-1.500003	0.229522	
157	157	-4.044369	-1.500003	0.436583	
158	158	-1.832209	1.499997	-3.20397	
159	159	-1.603782	1.499997	-3.222451	
160	160	-1.832209	-1.500003	-3.20397	
161	161	-1.603782	-1.500003	-3.222451	
162	162	-2.103259	1.5	-6.191649	
163	163	6.19725	1.5	1.39935	
164	164	0	1.75	1.4173	
165	165	-1.88675	1.5	-6.06665	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
166	166	1.227418	1.75	-0.70865	
167	167	6.25	3.5	5.1673	
168	168	6.25	-5	5.1673	
169	169	-6.25	2.8333	5.1673	
170	170	-6.25	-5.6667	5.1673	
171	171	-6.5	1.5	4.9173	
172	172	6.5	1.5	4.9173	
173	173	-6.5	-1.5	4.9173	
174	174	6.5	-1.5	4.9173	
175	175	7.508507	1.5	3.170515	
176	176	1.008507	1.5	-8.087815	
177	177	7.508507	-1.5	3.170515	
178	178	1.008507	-1.5	-8.087815	
179	179	-1.008507	1.5	-8.087815	
180	180	-7.508507	1.5	3.170515	
181	181	-1.008507	-1.5	-8.087815	
182	182	-7.508507	-1.5	3.170515	
183	183	6.25	1.5	4.9173	
184	184	6.25	1.5	5.1673	
185	185	6.25	-1.5	4.9173	
186	186	6.25	-1.5	5.1673	
187	187	-6.25	1.5	4.9173	
188	188	-6.25	1.5	5.1673	
189	189	-6.25	-1.5	4.9173	
190	190	-6.25	-1.5	5.1673	
191	191	1.133507	1.5	-7.871309	
192	192	1.350013	1.5	-7.996309	
193	193	1.133507	-1.5	-7.871309	
194	194	1.350013	-1.5	-7.996309	
195	195	7.383507	1.5	2.954009	
196	196	7.600013	1.5	2.829009	
197	197	7.383507	-1.5	2.954009	
198	198	7.600013	-1.5	2.829009	
199	199	-7.383507	1.5	2.954009	
200	200	-7.600013	1.5	2.829009	
201	201	-7.383507	-1.5	2.954009	
202	202	-7.600013	-1.5	2.829009	
203	203	-1.133507	1.5	-7.871309	
204	204	-1.350013	1.5	-7.996309	
205	205	-1.133507	-1.5	-7.871309	
206	206	-1.350013	-1.5	-7.996309	
207	207	-7.600013	2.8333	2.829009	
208	208	-7.600013	-5.6667	2.829009	
209	209	-1.350013	2.8333	-7.996309	
210	210	-1.350013	-5.6667	-7.996309	
211	211	1.350013	3	-7.996309	
212	212	1.350013	-5.5	-7.996309	
213	213	7.600013	2.833333	2.829009	
214	214	7.600013	-5.666667	2.829009	
215	215	2.40028	5.25	3.28424	
216	216	2.40028	-5.25	3.28424	
217	217	-1.98883	5.25	3.00014	
218	218	-1.98883	-5.25	3.00014	
219	219	1.644095	5.25	-3.720823	
220	220	1.644095	-5.25	-3.720823	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
221	221	3.592612	5.25	0.222307	
222	222	3.592612	-5.25	0.222307	
223	223	-4.044375	5.25	0.436583	
224	224	-4.044375	-5.25	0.436583	
225	225	-1.603782	5.25	-3.222447	
226	226	-1.603782	-5.25	-3.222447	
227	227	-2.084	1.5	4.9173	
228	228	-2.084	1.5	5.1673	
229	229	-2.084	-1.5	4.9173	
230	230	-2.084	-1.5	5.1673	
231	231	-2.084	5	5.1673	
232	232	-2.084	-5	5.1673	
233	233	5.300507	1.5	-0.653853	
234	234	5.517013	1.5	-0.778853	
235	235	5.300507	-1.5	-0.653853	
236	236	5.517013	-1.5	-0.778853	
237	237	5.517013	5	-0.778853	
238	238	5.517013	-5	-0.778853	
239	239	-3.216507	1.5	-4.263447	
240	240	-3.433013	1.5	-4.388447	
241	241	-3.216507	-1.5	-4.263447	
242	242	-3.433013	-1.5	-4.388447	
243	243	-3.433013	5	-4.388447	
244	244	-3.433013	-5	-4.388447	
245	245	2.084	4	5.1673	
246	246	2.084	-5	5.1673	
247	247	2.084	-1.5	4.9173	
248	248	2.084	-1.5	5.1673	
249	249	2.084	1.5	4.9173	
250	250	2.084	1.5	5.1673	
251	251	3.433013	4	-4.388447	
252	252	3.433013	-5	-4.388447	
253	253	3.216507	-1.5	-4.263447	
254	254	3.433013	-1.5	-4.388447	
255	255	3.216507	1.5	-4.263447	
256	256	3.433013	1.5	-4.388447	
257	257	-5.517013	4	-0.778853	
258	258	-5.517013	-5	-0.778853	
259	259	-5.300507	-1.5	-0.653853	
260	260	-5.517013	-1.5	-0.778853	
261	261	-5.300507	1.5	-0.653853	
262	262	-5.517013	1.5	-0.778853	
263	263	-3.744423	-0.000003	4.490831	
264	264	-2.084	-0.000003	5.1673	
265	265	-2.084	2.499997	5.1673	

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]	Z Rot [k-ft/rad]
1	44	Reaction	Reaction	Reaction	Reaction	Reaction
2	42	Reaction	Reaction	Reaction	Reaction	Reaction
3	84	Reaction	Reaction	Reaction	Reaction	Reaction
4	89	Reaction	Reaction	Reaction	Reaction	Reaction
5	128	Reaction	Reaction	Reaction	Reaction	Reaction
6	133	Reaction	Reaction	Reaction	Reaction	Reaction

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁶ F ⁻¹]	Density [k/ft ³]	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
8	A53 Gr.B 50	29000	11154	0.3	0.65	0.49	50	1.5	58	1.2
9	A500 Gr.C RND	29000	11154	0.3	0.65	0.527	46	1.4	62	1.3
10	A500 Gr.C RECT	29000	11154	0.3	0.65	0.527	50	1.4	62	1.3
11	A913 Gr.65	29000	11154	0.3	0.65	0.49	65	1.1	80	1.1
12	Fe-410	29007.787	11156.841	0.3	0.6667	0.4901	36.2597	1.5	58.0156	1.5
13	Fe-570	29007.787	11156.841	0.3	0.6667	0.4901	49.3132	1.5	58.0156	1.5
14	A500 Gr.C	29000	11154	0.3	0.65	0.49	46	1.4	62	1.3

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	Main Horizontals	HSS2.375X0.218	Beam	Pipe	A53 Gr.B 50	Typical	1.39	0.824	0.824	1.65
2	Supporting Horizontals	HSS2.375X0.218	Beam	Pipe	A53 Gr.B 50	Typical	1.39	0.824	0.824	1.65
3	Verticals	3/4"SR	Column	BAR	A572 Gr.50	Typical	0.4418	0.0155	0.0155	0.0311
4	Diagonals	3/4"SR	HBrace	BAR	A572 Gr.50	Typical	0.4418	0.0155	0.0155	0.0311
5	Connection Plate	PL5/8X6	Beam	RECT	A572 Gr.50	Typical	3.75	0.1221	11.25	0.4562
6	Plates	PL1/2X311/16	Beam	RECT	A572 Gr.50	Typical	1.8438	0.0384	2.0892	0.1405
7	Mount-Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
8	Tieback	HSS2.375X0.154	Beam	Pipe	A53 Gr.B 50	Typical	1	0.627	0.627	1.25
9	Connection Pipe	HSS4.500X0.237	Column	Pipe	A53 Gr.B	Typical	2.96	6.79	6.79	13.6
10	MF-P2	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	RRU-P	PIPE 2.375X0.120	Column	Pipe	A500 Gr.C	Typical	0.8501	0.5419	0.5419	1.0838

Member Primary Data

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	1	4	3	90	Connection Plate	Beam	RECT	A572 Gr.50	Typical
2	2	1	6	90	Connection Plate	Beam	RECT	A572 Gr.50	Typical
3	3	22	23		Diagonals	HBrace	BAR	A572 Gr.50	Typical
4	4	23	24		Verticals	Column	BAR	A572 Gr.50	Typical
5	5	21	22		Verticals	Column	BAR	A572 Gr.50	Typical
6	6	10	8		RIGID	None	None	RIGID	Typical
7	7	9	7		RIGID	None	None	RIGID	Typical
8	8	11	12		RIGID	None	None	RIGID	Typical
9	9	11	19	90	Plates	Beam	RECT	A572 Gr.50	Typical
10	10	19	25		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
11	11	25	2	90	Plates	Beam	RECT	A572 Gr.50	Typical
12	12	13	14		RIGID	None	None	RIGID	Typical
13	13	13	20	90	Plates	Beam	RECT	A572 Gr.50	Typical
14	14	20	26		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
15	15	26	5	90	Plates	Beam	RECT	A572 Gr.50	Typical
16	16	15	16		RIGID	None	None	RIGID	Typical
17	17	17	18		RIGID	None	None	RIGID	Typical
18	18	32	33		Diagonals	HBrace	BAR	A572 Gr.50	Typical
19	19	33	34		Verticals	Column	BAR	A572 Gr.50	Typical
20	20	31	32		Verticals	Column	BAR	A572 Gr.50	Typical
21	21	15	29	90	Plates	Beam	RECT	A572 Gr.50	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
22	22	29	35		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
23	23	35	27	90	Plates	Beam	RECT	A572 Gr.50	Typical
24	24	17	30	90	Plates	Beam	RECT	A572 Gr.50	Typical
25	25	30	36		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
26	26	36	28	90	Plates	Beam	RECT	A572 Gr.50	Typical
27	27	10	38		RIGID	None	None	RIGID	Typical
28	28	9	37		RIGID	None	None	RIGID	Typical
29	29	39	40		Connection Pipe	Column	Pipe	A53 Gr.B	Typical
30	30	41	42		RIGID	None	None	RIGID	Typical
31	31	43	44		RIGID	None	None	RIGID	Typical
32	32	53	49	90	Connection Plate	Beam	RECT	A572 Gr.50	Typical
33	33	50	57	90	Connection Plate	Beam	RECT	A572 Gr.50	Typical
34	34	77	62		Diagonals	HBrace	BAR	A572 Gr.50	Typical
35	35	62	51		Verticals	Column	BAR	A572 Gr.50	Typical
36	36	52	77		Verticals	Column	BAR	A572 Gr.50	Typical
37	37	47	65		RIGID	None	None	RIGID	Typical
38	38	66	68		RIGID	None	None	RIGID	Typical
39	39	67	60		RIGID	None	None	RIGID	Typical
40	40	66	78	90	Plates	Beam	RECT	A572 Gr.50	Typical
41	41	58	59		Verticals	Column	BAR	A572 Gr.50	Typical
42	42	78	79		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
43	43	79	46	90	Plates	Beam	RECT	A572 Gr.50	Typical
44	44	69	70		RIGID	None	None	RIGID	Typical
45	45	61	56	90	Plates	Beam	RECT	A572 Gr.50	Typical
46	46	69	73	90	Plates	Beam	RECT	A572 Gr.50	Typical
47	47	74	75		RIGID	None	None	RIGID	Typical
48	48	73	61		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
49	49	63	76		RIGID	None	None	RIGID	Typical
50	50	71	58		Diagonals	HBrace	BAR	A572 Gr.50	Typical
51	51	54	80	90	Plates	Beam	RECT	A572 Gr.50	Typical
52	52	64	71		Verticals	Column	BAR	A572 Gr.50	Typical
53	53	74	55	90	Plates	Beam	RECT	A572 Gr.50	Typical
54	54	55	54		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
55	55	86	81		Connection Pipe	Column	Pipe	A53 Gr.B	Typical
56	56	63	82	90	Plates	Beam	RECT	A572 Gr.50	Typical
57	57	82	72		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
58	58	72	83	90	Plates	Beam	RECT	A572 Gr.50	Typical
59	59	47	85		RIGID	None	None	RIGID	Typical
60	60	67	48		RIGID	None	None	RIGID	Typical
61	61	87	84		RIGID	None	None	RIGID	Typical
62	62	88	89		RIGID	None	None	RIGID	Typical
63	63	97	93	90	Connection Plate	Beam	RECT	A572 Gr.50	Typical
64	64	94	101	90	Connection Plate	Beam	RECT	A572 Gr.50	Typical
65	65	121	106		Diagonals	HBrace	BAR	A572 Gr.50	Typical
66	66	106	95		Verticals	Column	BAR	A572 Gr.50	Typical
67	67	96	121		Verticals	Column	BAR	A572 Gr.50	Typical
68	68	91	109		RIGID	None	None	RIGID	Typical
69	69	110	112		RIGID	None	None	RIGID	Typical
70	70	111	104		RIGID	None	None	RIGID	Typical
71	71	110	122	90	Plates	Beam	RECT	A572 Gr.50	Typical
72	72	102	103		Verticals	Column	BAR	A572 Gr.50	Typical
73	73	122	123		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
74	74	123	90	90	Plates	Beam	RECT	A572 Gr.50	Typical
75	75	113	114		RIGID	None	None	RIGID	Typical
76	76	105	100	90	Plates	Beam	RECT	A572 Gr.50	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
77	77	113	117	90	Plates	Beam	RECT	A572 Gr.50	Typical
78	78	118	119		RIGID	None	None	RIGID	Typical
79	79	117	105		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
80	80	107	120		RIGID	None	None	RIGID	Typical
81	81	115	102		Diagonals	HBrace	BAR	A572 Gr.50	Typical
82	82	98	124	90	Plates	Beam	RECT	A572 Gr.50	Typical
83	83	108	115		Verticals	Column	BAR	A572 Gr.50	Typical
84	84	118	99	90	Plates	Beam	RECT	A572 Gr.50	Typical
85	85	99	98		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
86	86	130	125		Connection Pipe	Column	Pipe	A53 Gr.B	Typical
87	87	107	126	90	Plates	Beam	RECT	A572 Gr.50	Typical
88	88	126	116		Supporting Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
89	89	116	127	90	Plates	Beam	RECT	A572 Gr.50	Typical
90	90	91	129		RIGID	None	None	RIGID	Typical
91	91	111	92		RIGID	None	None	RIGID	Typical
92	92	131	128		RIGID	None	None	RIGID	Typical
93	93	132	133		RIGID	None	None	RIGID	Typical
94	94	135	134		RIGID	None	None	RIGID	Typical
95	95	135	136		Tieback	Beam	Pipe	A53 Gr.B 50	Typical
96	96	137	138		RIGID	None	None	RIGID	Typical
97	97	139	140		RIGID	None	None	RIGID	Typical
98	98	141	142		RIGID	None	None	RIGID	Typical
99	99	143	144		RIGID	None	None	RIGID	Typical
100	100	163	153		RIGID	None	None	RIGID	Typical
101	101	145	146		RIGID	None	None	RIGID	Typical
102	102	147	148		RIGID	None	None	RIGID	Typical
103	103	149	150		RIGID	None	None	RIGID	Typical
104	104	151	152		RIGID	None	None	RIGID	Typical
105	105	165	162		RIGID	None	None	RIGID	Typical
106	106	154	155		RIGID	None	None	RIGID	Typical
107	107	156	157		RIGID	None	None	RIGID	Typical
108	108	158	159		RIGID	None	None	RIGID	Typical
109	109	160	161		RIGID	None	None	RIGID	Typical
110	110	163	164		Tieback	Beam	Pipe	A53 Gr.B 50	Typical
111	111	165	166		Tieback	Beam	Pipe	A53 Gr.B 50	Typical
112	112	167	168		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
113	113	169	170		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
114	114	171	172		Main Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
115	115	173	174		Main Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
116	116	175	176		Main Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
117	117	177	178		Main Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
118	118	179	180		Main Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
119	119	181	182		Main Horizontals	Beam	Pipe	A53 Gr.B 50	Typical
120	120	183	184		RIGID	None	None	RIGID	Typical
121	121	185	186		RIGID	None	None	RIGID	Typical
122	122	187	188		RIGID	None	None	RIGID	Typical
123	123	189	190		RIGID	None	None	RIGID	Typical
124	124	191	192		RIGID	None	None	RIGID	Typical
125	125	193	194		RIGID	None	None	RIGID	Typical
126	126	195	196		RIGID	None	None	RIGID	Typical
127	127	197	198		RIGID	None	None	RIGID	Typical
128	128	199	200		RIGID	None	None	RIGID	Typical
129	129	201	202		RIGID	None	None	RIGID	Typical
130	130	203	204		RIGID	None	None	RIGID	Typical
131	131	205	206		RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
132	132	207	208		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
133	133	209	210		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
134	134	211	212		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
135	135	213	214		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
136	136	215	216		RRU-P	Column	Pipe	A500 Gr.C	Typical
137	137	217	218		RRU-P	Column	Pipe	A500 Gr.C	Typical
138	138	219	220		RRU-P	Column	Pipe	A500 Gr.C	Typical
139	139	221	222		RRU-P	Column	Pipe	A500 Gr.C	Typical
140	140	223	224		RRU-P	Column	Pipe	A500 Gr.C	Typical
141	141	225	226		RRU-P	Column	Pipe	A500 Gr.C	Typical
142	142	227	228		RIGID	None	None	RIGID	Typical
143	143	229	230		RIGID	None	None	RIGID	Typical
144	144	231	232		MF-P2	Column	Pipe	A53 Gr.B	Typical
145	145	233	234		RIGID	None	None	RIGID	Typical
146	146	235	236		RIGID	None	None	RIGID	Typical
147	147	237	238		MF-P2	Column	Pipe	A53 Gr.B	Typical
148	148	239	240		RIGID	None	None	RIGID	Typical
149	149	241	242		RIGID	None	None	RIGID	Typical
150	150	243	244		MF-P2	Column	Pipe	A53 Gr.B	Typical
151	151	245	246		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
152	152	247	248		RIGID	None	None	RIGID	Typical
153	153	249	250		RIGID	None	None	RIGID	Typical
154	154	251	252		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
155	155	253	254		RIGID	None	None	RIGID	Typical
156	156	255	256		RIGID	None	None	RIGID	Typical
157	157	257	258		Mount-Pipe	Column	Pipe	A53 Gr.B	Typical
158	158	259	260		RIGID	None	None	RIGID	Typical
159	159	261	262		RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
1	1				Yes	N/A	None
2	2				Yes	N/A	None
3	3				Yes	** NA **	None
4	4				Yes	** NA **	None
5	5				Yes	** NA **	None
6	6				Yes	** NA **	None
7	7				Yes	** NA **	None
8	8				Yes	** NA **	None
9	9	BenPIN			Yes	N/A	None
10	10				Yes	N/A	None
11	11				Yes	N/A	None
12	12				Yes	** NA **	None
13	13	BenPIN			Yes	N/A	None
14	14				Yes	N/A	None
15	15				Yes	N/A	None
16	16				Yes	** NA **	None
17	17				Yes	** NA **	None
18	18				Yes	** NA **	None
19	19				Yes	** NA **	None
20	20				Yes	** NA **	None
21	21	BenPIN			Yes	N/A	None
22	22				Yes	N/A	None
23	23				Yes	N/A	None
24	24	BenPIN			Yes	N/A	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
25	25				Yes	N/A	None
26	26				Yes	N/A	None
27	27				Yes	** NA **	None
28	28				Yes	** NA **	None
29	29				Yes	** NA **	None
30	30				Yes	** NA **	None
31	31				Yes	** NA **	None
32	32				Yes	N/A	None
33	33				Yes	N/A	None
34	34				Yes	** NA **	None
35	35				Yes	** NA **	None
36	36				Yes	** NA **	None
37	37				Yes	** NA **	None
38	38				Yes	** NA **	None
39	39				Yes	** NA **	None
40	40	BenPIN			Yes	N/A	None
41	41				Yes	** NA **	None
42	42				Yes	N/A	None
43	43				Yes	N/A	None
44	44				Yes	** NA **	None
45	45				Yes	N/A	None
46	46	BenPIN			Yes	N/A	None
47	47				Yes	** NA **	None
48	48				Yes	N/A	None
49	49				Yes	** NA **	None
50	50				Yes	** NA **	None
51	51				Yes	N/A	None
52	52				Yes	** NA **	None
53	53	BenPIN			Yes	N/A	None
54	54				Yes	N/A	None
55	55				Yes	** NA **	None
56	56	BenPIN			Yes	N/A	None
57	57				Yes	N/A	None
58	58				Yes	N/A	None
59	59				Yes	** NA **	None
60	60				Yes	** NA **	None
61	61				Yes	** NA **	None
62	62				Yes	** NA **	None
63	63				Yes	N/A	None
64	64				Yes	N/A	None
65	65				Yes	** NA **	None
66	66				Yes	** NA **	None
67	67				Yes	** NA **	None
68	68				Yes	** NA **	None
69	69				Yes	** NA **	None
70	70				Yes	** NA **	None
71	71	BenPIN			Yes	N/A	None
72	72				Yes	** NA **	None
73	73				Yes	N/A	None
74	74				Yes	N/A	None
75	75				Yes	** NA **	None
76	76				Yes	N/A	None
77	77	BenPIN			Yes	N/A	None
78	78				Yes	** NA **	None
79	79				Yes	N/A	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
80	80				Yes	** NA **	None
81	81				Yes	** NA **	None
82	82				Yes	N/A	None
83	83				Yes	** NA **	None
84	84	BenPIN			Yes	N/A	None
85	85				Yes	N/A	None
86	86				Yes	** NA **	None
87	87	BenPIN			Yes	N/A	None
88	88				Yes	N/A	None
89	89				Yes	N/A	None
90	90				Yes	** NA **	None
91	91				Yes	** NA **	None
92	92				Yes	** NA **	None
93	93				Yes	** NA **	None
94	94				Yes	** NA **	None
95	95	BenPIN	BenPIN		Yes	Default	None
96	96				Yes	** NA **	None
97	97				Yes	** NA **	None
98	98				Yes	** NA **	None
99	99				Yes	** NA **	None
100	100				Yes	** NA **	None
101	101				Yes	** NA **	None
102	102				Yes	** NA **	None
103	103				Yes	** NA **	None
104	104				Yes	** NA **	None
105	105				Yes	** NA **	None
106	106				Yes	** NA **	None
107	107				Yes	** NA **	None
108	108				Yes	** NA **	None
109	109				Yes	** NA **	None
110	110	BenPIN	BenPIN		Yes	Default	None
111	111	BenPIN	BenPIN		Yes	Default	None
112	112				Yes	** NA **	None
113	113				Yes	** NA **	None
114	114				Yes	Default	None
115	115				Yes	Default	None
116	116				Yes	Default	None
117	117				Yes	Default	None
118	118				Yes	Default	None
119	119				Yes	Default	None
120	120				Yes	** NA **	None
121	121				Yes	** NA **	None
122	122				Yes	** NA **	None
123	123				Yes	** NA **	None
124	124				Yes	** NA **	None
125	125				Yes	** NA **	None
126	126				Yes	** NA **	None
127	127				Yes	** NA **	None
128	128				Yes	** NA **	None
129	129				Yes	** NA **	None
130	130				Yes	** NA **	None
131	131				Yes	** NA **	None
132	132				Yes	** NA **	None
133	133				Yes	** NA **	None
134	134				Yes	** NA **	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
135	135				Yes	** NA **	None
136	136				Yes	** NA **	None
137	137				Yes	** NA **	None
138	138				Yes	** NA **	None
139	139				Yes	** NA **	None
140	140				Yes	** NA **	None
141	141				Yes	** NA **	None
142	142				Yes	** NA **	None
143	143				Yes	** NA **	None
144	144				Yes	** NA **	None
145	145				Yes	** NA **	None
146	146				Yes	** NA **	None
147	147				Yes	** NA **	None
148	148				Yes	** NA **	None
149	149				Yes	** NA **	None
150	150				Yes	** NA **	None
151	151				Yes	** NA **	None
152	152				Yes	** NA **	None
153	153				Yes	** NA **	None
154	154				Yes	** NA **	None
155	155				Yes	** NA **	None
156	156				Yes	** NA **	None
157	157				Yes	** NA **	None
158	158				Yes	** NA **	None
159	159				Yes	** NA **	None

Hot Rolled Steel Design Parameters

	Label	Shape	Length [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
1	1	Connection Plate	1.3333	Lbyy	N/A	N/A	Lateral
2	2	Connection Plate	1.3333	Lbyy	N/A	N/A	Lateral
3	3	Diagonals	4.6734	Lbyy	N/A	N/A	Lateral
4	4	Verticals	3	Lbyy	N/A	N/A	Lateral
5	5	Verticals	3	Lbyy	N/A	N/A	Lateral
6	9	Plates	0.2272	Lbyy	N/A	N/A	Lateral
7	10	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
8	11	Plates	0.276	Lbyy	N/A	N/A	Lateral
9	13	Plates	0.2272	Lbyy	N/A	N/A	Lateral
10	14	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
11	15	Plates	0.276	Lbyy	N/A	N/A	Lateral
12	18	Diagonals	4.6734	Lbyy	N/A	N/A	Lateral
13	19	Verticals	3	Lbyy	N/A	N/A	Lateral
14	20	Verticals	3	Lbyy	N/A	N/A	Lateral
15	21	Plates	0.2272	Lbyy	N/A	N/A	Lateral
16	22	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
17	23	Plates	0.276	Lbyy	N/A	N/A	Lateral
18	24	Plates	0.2272	Lbyy	N/A	N/A	Lateral
19	25	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
20	26	Plates	0.276	Lbyy	N/A	N/A	Lateral
21	29	Connection Pipe	7	Lbyy	N/A	N/A	Lateral
22	32	Connection Plate	1.3333	Lbyy	N/A	N/A	Lateral
23	33	Connection Plate	1.3333	Lbyy	N/A	N/A	Lateral
24	34	Diagonals	4.6734	Lbyy	N/A	N/A	Lateral
25	35	Verticals	3	Lbyy	N/A	N/A	Lateral
26	36	Verticals	3	Lbyy	N/A	N/A	Lateral
27	40	Plates	0.2272	Lbyy	N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
28	41	Verticals	3	Lbyy	N/A	N/A	Lateral
29	42	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
30	43	Plates	0.276	Lbyy	N/A	N/A	Lateral
31	45	Plates	0.276	Lbyy	N/A	N/A	Lateral
32	46	Plates	0.2272	Lbyy	N/A	N/A	Lateral
33	48	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
34	50	Diagonals	4.6734	Lbyy	N/A	N/A	Lateral
35	51	Plates	0.276	Lbyy	N/A	N/A	Lateral
36	52	Verticals	3	Lbyy	N/A	N/A	Lateral
37	53	Plates	0.2272	Lbyy	N/A	N/A	Lateral
38	54	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
39	55	Connection Pipe	7	Lbyy	N/A	N/A	Lateral
40	56	Plates	0.2272	Lbyy	N/A	N/A	Lateral
41	57	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
42	58	Plates	0.276	Lbyy	N/A	N/A	Lateral
43	63	Connection Plate	1.3333	Lbyy	N/A	N/A	Lateral
44	64	Connection Plate	1.3333	Lbyy	N/A	N/A	Lateral
45	65	Diagonals	4.6734	Lbyy	N/A	N/A	Lateral
46	66	Verticals	3	Lbyy	N/A	N/A	Lateral
47	67	Verticals	3	Lbyy	N/A	N/A	Lateral
48	71	Plates	0.2272	Lbyy	N/A	N/A	Lateral
49	72	Verticals	3	Lbyy	N/A	N/A	Lateral
50	73	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
51	74	Plates	0.276	Lbyy	N/A	N/A	Lateral
52	76	Plates	0.276	Lbyy	N/A	N/A	Lateral
53	77	Plates	0.2272	Lbyy	N/A	N/A	Lateral
54	79	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
55	81	Diagonals	4.6734	Lbyy	N/A	N/A	Lateral
56	82	Plates	0.276	Lbyy	N/A	N/A	Lateral
57	83	Verticals	3	Lbyy	N/A	N/A	Lateral
58	84	Plates	0.2272	Lbyy	N/A	N/A	Lateral
59	85	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
60	86	Connection Pipe	7	Lbyy	N/A	N/A	Lateral
61	87	Plates	0.2272	Lbyy	N/A	N/A	Lateral
62	88	Supporting Horizontals	3.75	Lbyy	N/A	N/A	Lateral
63	89	Plates	0.276	Lbyy	N/A	N/A	Lateral
64	95	Tieback	6.2023	Lbyy	N/A	N/A	Lateral
65	110	Tieback	6.2023	Lbyy	N/A	N/A	Lateral
66	111	Tieback	6.2023	Lbyy	N/A	N/A	Lateral
67	112	Mount-Pipe	8.5	Lbyy	N/A	N/A	Lateral
68	113	Mount-Pipe	8.5	Lbyy	N/A	N/A	Lateral
69	114	Main Horizontals	13	Lbyy	N/A	N/A	Lateral
70	115	Main Horizontals	13	Lbyy	N/A	N/A	Lateral
71	116	Main Horizontals	13	Lbyy	N/A	N/A	Lateral
72	117	Main Horizontals	13	Lbyy	N/A	N/A	Lateral
73	118	Main Horizontals	13	Lbyy	N/A	N/A	Lateral
74	119	Main Horizontals	13	Lbyy	N/A	N/A	Lateral
75	132	Mount-Pipe	8.5	Lbyy	N/A	N/A	Lateral
76	133	Mount-Pipe	8.5	Lbyy	N/A	N/A	Lateral
77	134	Mount-Pipe	8.5	Lbyy	N/A	N/A	Lateral
78	135	Mount-Pipe	8.5	Lbyy	N/A	N/A	Lateral
79	136	RRU-P	10.5	Lbyy	N/A	N/A	Lateral
80	137	RRU-P	10.5	Lbyy	N/A	N/A	Lateral
81	138	RRU-P	10.5	Lbyy	N/A	N/A	Lateral
82	139	RRU-P	10.5	Lbyy	N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
83	140	RRU-P	10.5	Lbyy	N/A	N/A	Lateral
84	141	RRU-P	10.5	Lbyy	N/A	N/A	Lateral
85	144	MF-P2	10	Lbyy	N/A	N/A	Lateral
86	147	MF-P2	10	Lbyy	N/A	N/A	Lateral
87	150	MF-P2	10	Lbyy	N/A	N/A	Lateral
88	151	Mount-Pipe	9	Lbyy	N/A	N/A	Lateral
89	154	Mount-Pipe	9	Lbyy	N/A	N/A	Lateral
90	157	Mount-Pipe	9	Lbyy	N/A	N/A	Lateral

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Y	-0.0511	%30
2	112	Y	-0.0511	%75
3	112	Y	0	0
4	112	Y	0	0
5	112	Y	0	0
6	144	Y	-0.0463	%35
7	144	Y	-0.0463	%65
8	144	Y	0	0
9	144	Y	0	0
10	144	Y	0	0
11	113	Y	-0.0554	%25
12	113	Y	-0.0554	%70
13	113	Y	0	0
14	113	Y	0	0
15	113	Y	0	0
16	136	Y	-0.0599	%10
17	136	Y	-0.075	%10
18	136	Y	-0.0262	%50
19	136	Y	0	0
20	136	Y	0	0
21	137	Y	-0.046	%80
22	137	Y	-0.065	%80
23	137	Y	0	0
24	137	Y	0	0
25	137	Y	0	0
26	132	Y	-0.0511	%25
27	132	Y	-0.0511	%75
28	132	Y	0	0
29	132	Y	0	0
30	132	Y	0	0
31	150	Y	-0.0463	%35
32	150	Y	-0.0463	%65
33	150	Y	0	0
34	150	Y	0	0
35	150	Y	0	0
36	133	Y	-0.0554	%25
37	133	Y	-0.0554	%70
38	133	Y	0	0
39	133	Y	0	0
40	133	Y	0	0
41	140	Y	-0.0599	%10
42	140	Y	-0.075	%10
43	140	Y	-0.0262	%50
44	140	Y	0	0

Member Point Loads (BLC 1 : Dead) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
45	140	Y	0	0
46	141	Y	-0.046	%80
47	141	Y	-0.065	%80
48	141	Y	0	0
49	141	Y	0	0
50	141	Y	0	0
51	134	Y	-0.0511	%25
52	134	Y	-0.0511	%70
53	134	Y	0	0
54	134	Y	0	0
55	134	Y	0	0
56	147	Y	-0.0463	%35
57	147	Y	-0.0463	%65
58	147	Y	0	0
59	147	Y	0	0
60	147	Y	0	0
61	135	Y	-0.0554	%25
62	135	Y	-0.0554	%70
63	135	Y	0	0
64	135	Y	0	0
65	135	Y	0	0
66	138	Y	-0.0599	%10
67	138	Y	-0.075	%10
68	138	Y	0	0
69	138	Y	0	0
70	138	Y	0	0
71	139	Y	-0.046	%80
72	139	Y	-0.065	%80
73	139	Y	0	0
74	139	Y	0	0
75	139	Y	0	0

Member Point Loads (BLC 2 : 0 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.446	%30
2	112	Z	-0.446	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.137	%35
7	144	Z	-0.137	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.446	%25
12	113	Z	-0.446	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0528	%10
17	136	Z	-0.0691	%10
18	136	Z	-0.0571	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0409	%80

Member Point Loads (BLC 2 : 0 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
22	137	Z	-0.061	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	-0.446	%25
27	132	Z	-0.446	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.137	%35
32	150	Z	-0.137	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.446	%25
37	133	Z	-0.446	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0528	%10
42	140	Z	-0.0691	%10
43	140	Z	-0.0571	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0409	%80
47	141	Z	-0.061	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.446	%25
52	134	Z	-0.446	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	-0.137	%35
57	147	Z	-0.137	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.446	%25
62	135	Z	-0.446	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0528	%10
67	138	Z	-0.0691	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0409	%80
72	139	Z	-0.061	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0

Member Point Loads (BLC 3 : 30 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.3862	%30
2	112	Z	-0.3862	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.0927	%35
7	144	Z	-0.0927	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.3862	%25
12	113	Z	-0.3862	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0458	%10
17	136	Z	-0.0598	%10
18	136	Z	-0.0495	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0355	%80
22	137	Z	-0.0528	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	-0.3862	%25
27	132	Z	-0.3862	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.0927	%35
32	150	Z	-0.0927	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.3862	%25
37	133	Z	-0.3862	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0458	%10
42	140	Z	-0.0598	%10
43	140	Z	-0.0495	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0355	%80
47	141	Z	-0.0528	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.3862	%25
52	134	Z	-0.3862	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0

Member Point Loads (BLC 3 : 30 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
56	147	Z	-0.0927	%35
57	147	Z	-0.0927	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.3862	%25
62	135	Z	-0.3862	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0458	%10
67	138	Z	-0.0598	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0355	%80
72	139	Z	-0.0528	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	-0.1014	%30
77	112	X	-0.1014	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	-0.0535	%35
82	144	X	-0.0535	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	-0.1014	%25
87	113	X	-0.1014	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	-0.046	%10
92	136	X	-0.041	%10
93	136	X	-0.0286	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	-0.046	%80
97	137	X	-0.0668	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	-0.1014	%25
102	132	X	-0.1014	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	-0.0535	%35
107	150	X	-0.0535	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0

Member Point Loads (BLC 3 : 30 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
111	133	X	-0.1014	%25
112	133	X	-0.1014	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	-0.046	%10
117	140	X	-0.041	%10
118	140	X	-0.0286	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	-0.046	%80
122	141	X	-0.0668	%80
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	-0.1014	%25
127	134	X	-0.1014	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	-0.0535	%35
132	147	X	-0.0535	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	-0.1014	%25
137	135	X	-0.1014	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	-0.046	%10
142	138	X	-0.041	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	-0.046	%80
147	139	X	-0.0668	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 4 : 60 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.223	%30
2	112	Z	-0.223	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.0336	%35
7	144	Z	-0.0336	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.223	%25
12	113	Z	-0.223	%70

Member Point Loads (BLC 4 : 60 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0264	%10
17	136	Z	-0.0345	%10
18	136	Z	-0.0286	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0205	%80
22	137	Z	-0.0305	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	-0.223	%25
27	132	Z	-0.223	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.0336	%35
32	150	Z	-0.0336	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.223	%25
37	133	Z	-0.223	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0264	%10
42	140	Z	-0.0345	%10
43	140	Z	-0.0286	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0205	%80
47	141	Z	-0.0305	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.223	%25
52	134	Z	-0.223	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	-0.0336	%35
57	147	Z	-0.0336	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.223	%25
62	135	Z	-0.223	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0264	%10
67	138	Z	-0.0345	%10

Member Point Loads (BLC 4 : 60 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0205	%80
72	139	Z	-0.0305	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	-0.1755	%30
77	112	X	-0.1755	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	-0.0581	%35
82	144	X	-0.0581	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	-0.1755	%25
87	113	X	-0.1755	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	-0.0796	%10
92	136	X	-0.0711	%10
93	136	X	-0.0495	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	-0.0796	%80
97	137	X	-0.1158	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	-0.1755	%25
102	132	X	-0.1755	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	-0.0581	%35
107	150	X	-0.0581	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0
111	133	X	-0.1755	%25
112	133	X	-0.1755	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	-0.0796	%10
117	140	X	-0.0711	%10
118	140	X	-0.0495	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	-0.0796	%80
122	141	X	-0.1158	%80

Member Point Loads (BLC 4 : 60 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	-0.1755	%25
127	134	X	-0.1755	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	-0.0581	%35
132	147	X	-0.0581	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	-0.1755	%25
137	135	X	-0.1755	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	-0.0796	%10
142	138	X	-0.0711	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	-0.0796	%80
147	139	X	-0.1158	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 5 : 90 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	X	-0.2027	%30
2	112	X	-0.2027	%75
3	112	X	0	0
4	112	X	0	0
5	112	X	0	0
6	144	X	-0.0458	%35
7	144	X	-0.0458	%65
8	144	X	0	0
9	144	X	0	0
10	144	X	0	0
11	113	X	-0.2027	%25
12	113	X	-0.2027	%70
13	113	X	0	0
14	113	X	0	0
15	113	X	0	0
16	136	X	-0.092	%10
17	136	X	-0.0821	%10
18	136	X	-0.0571	%50
19	136	X	0	0
20	136	X	0	0
21	137	X	-0.092	%80
22	137	X	-0.1337	%80
23	137	X	0	0
24	137	X	0	0

Member Point Loads (BLC 5 : 90 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
25	137	X	0	0
26	132	X	-0.2027	%25
27	132	X	-0.2027	%75
28	132	X	0	0
29	132	X	0	0
30	132	X	0	0
31	150	X	-0.0458	%35
32	150	X	-0.0458	%65
33	150	X	0	0
34	150	X	0	0
35	150	X	0	0
36	133	X	-0.2027	%25
37	133	X	-0.2027	%70
38	133	X	0	0
39	133	X	0	0
40	133	X	0	0
41	140	X	-0.092	%10
42	140	X	-0.0821	%10
43	140	X	-0.0571	%50
44	140	X	0	0
45	140	X	0	0
46	141	X	-0.092	%80
47	141	X	-0.1337	%80
48	141	X	0	0
49	141	X	0	0
50	141	X	0	0
51	134	X	-0.2027	%25
52	134	X	-0.2027	%70
53	134	X	0	0
54	134	X	0	0
55	134	X	0	0
56	147	X	-0.0458	%35
57	147	X	-0.0458	%65
58	147	X	0	0
59	147	X	0	0
60	147	X	0	0
61	135	X	-0.2027	%25
62	135	X	-0.2027	%70
63	135	X	0	0
64	135	X	0	0
65	135	X	0	0
66	138	X	-0.092	%10
67	138	X	-0.0821	%10
68	138	X	0	0
69	138	X	0	0
70	138	X	0	0
71	139	X	-0.092	%80
72	139	X	-0.1337	%80
73	139	X	0	0
74	139	X	0	0
75	139	X	0	0

Member Point Loads (BLC 6 : 120 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	0.223	%30
2	112	Z	0.223	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	0.034	%35
7	144	Z	0.034	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	0.223	%25
12	113	Z	0.223	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	0.0264	%10
17	136	Z	0.0345	%10
18	136	Z	0.0286	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	0.0205	%80
22	137	Z	0.0305	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	0.223	%25
27	132	Z	0.223	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	0.034	%35
32	150	Z	0.034	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	0.223	%25
37	133	Z	0.223	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	0.0264	%10
42	140	Z	0.0345	%10
43	140	Z	0.0286	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	0.0205	%80
47	141	Z	0.0305	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	0.223	%25
52	134	Z	0.223	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0

Member Point Loads (BLC 6 : 120 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
56	147	Z	0.034	%35
57	147	Z	0.034	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	0.223	%25
62	135	Z	0.223	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	0.0264	%10
67	138	Z	0.0345	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	0.0205	%80
72	139	Z	0.0305	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	-0.1755	%30
77	112	X	-0.1755	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	-0.0588	%35
82	144	X	-0.0588	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	-0.1755	%25
87	113	X	-0.1755	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	-0.0796	%10
92	136	X	-0.0711	%10
93	136	X	-0.0495	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	-0.0796	%80
97	137	X	-0.1158	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	-0.1755	%25
102	132	X	-0.1755	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	-0.0588	%35
107	150	X	-0.0588	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0

Member Point Loads (BLC 6 : 120 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
111	133	X	-0.1755	%25
112	133	X	-0.1755	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	-0.0796	%10
117	140	X	-0.0711	%10
118	140	X	-0.0495	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	-0.0796	%80
122	141	X	-0.1158	%80
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	-0.1755	%25
127	134	X	-0.1755	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	-0.0588	%35
132	147	X	-0.0588	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	-0.1755	%25
137	135	X	-0.1755	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	-0.0796	%10
142	138	X	-0.0711	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	-0.0796	%80
147	139	X	-0.1158	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 7 : 150 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	0.3862	%30
2	112	Z	0.3862	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	0.0795	%35
7	144	Z	0.0795	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	0.3862	%25
12	113	Z	0.3862	%70

Member Point Loads (BLC 7 : 150 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	0.0458	%10
17	136	Z	0.0598	%10
18	136	Z	0.0495	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	0.0355	%80
22	137	Z	0.0528	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	0.3862	%25
27	132	Z	0.3862	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	0.0795	%35
32	150	Z	0.0795	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	0.3862	%25
37	133	Z	0.3862	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	0.0458	%10
42	140	Z	0.0598	%10
43	140	Z	0.0495	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	0.0355	%80
47	141	Z	0.0528	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	0.3862	%25
52	134	Z	0.3862	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	0.0795	%35
57	147	Z	0.0795	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	0.3862	%25
62	135	Z	0.3862	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	0.0458	%10
67	138	Z	0.0598	%10

Member Point Loads (BLC 7 : 150 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	0.0355	%80
72	139	Z	0.0528	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	-0.1014	%30
77	112	X	-0.1014	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	-0.0459	%35
82	144	X	-0.0459	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	-0.1014	%25
87	113	X	-0.1014	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	-0.046	%10
92	136	X	-0.041	%10
93	136	X	-0.0286	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	-0.046	%80
97	137	X	-0.0668	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	-0.1014	%25
102	132	X	-0.1014	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	-0.0459	%35
107	150	X	-0.0459	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0
111	133	X	-0.1014	%25
112	133	X	-0.1014	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	-0.046	%10
117	140	X	-0.041	%10
118	140	X	-0.0286	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	-0.046	%80
122	141	X	-0.0668	%80

Member Point Loads (BLC 7 : 150 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	-0.1014	%25
127	134	X	-0.1014	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	-0.0459	%35
132	147	X	-0.0459	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	-0.1014	%25
137	135	X	-0.1014	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	-0.046	%10
142	138	X	-0.041	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	-0.046	%80
147	139	X	-0.0668	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 8 : 180 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	0.446	%30
2	112	Z	0.446	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	0.086	%35
7	144	Z	0.086	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	0.446	%25
12	113	Z	0.446	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	0.0528	%10
17	136	Z	0.0691	%10
18	136	Z	0.0571	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	0.0409	%80
22	137	Z	0.061	%80
23	137	Z	0	0
24	137	Z	0	0

Member Point Loads (BLC 8 : 180 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
25	137	Z	0	0
26	132	Z	0.446	%25
27	132	Z	0.446	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	0.086	%35
32	150	Z	0.086	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	0.446	%25
37	133	Z	0.446	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	0.0528	%10
42	140	Z	0.0691	%10
43	140	Z	0.0571	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	0.0409	%80
47	141	Z	0.061	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	0.446	%25
52	134	Z	0.446	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	0.086	%35
57	147	Z	0.086	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	0.446	%25
62	135	Z	0.446	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	0.0528	%10
67	138	Z	0.0691	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	0.0409	%80
72	139	Z	0.061	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0

Member Point Loads (BLC 9 : 210 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	0.3862	%30
2	112	Z	0.3862	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	0.0795	%35
7	144	Z	0.0795	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	0.3862	%25
12	113	Z	0.3862	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	0.0458	%10
17	136	Z	0.0598	%10
18	136	Z	0.0495	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	0.0355	%80
22	137	Z	0.0528	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	0.3862	%25
27	132	Z	0.3862	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	0.0795	%35
32	150	Z	0.0795	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	0.3862	%25
37	133	Z	0.3862	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	0.0458	%10
42	140	Z	0.0598	%10
43	140	Z	0.0495	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	0.0355	%80
47	141	Z	0.0528	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	0.3862	%25
52	134	Z	0.3862	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0

Member Point Loads (BLC 9 : 210 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
56	147	Z	0.0795	%35
57	147	Z	0.0795	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	0.3862	%25
62	135	Z	0.3862	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	0.0458	%10
67	138	Z	0.0598	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	0.0355	%80
72	139	Z	0.0528	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	0.1014	%30
77	112	X	0.1014	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	0.0459	%35
82	144	X	0.0459	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	0.1014	%25
87	113	X	0.1014	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	0.046	%10
92	136	X	0.041	%10
93	136	X	0.0286	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	0.046	%80
97	137	X	0.0668	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	0.1014	%25
102	132	X	0.1014	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	0.0459	%35
107	150	X	0.0459	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0

Member Point Loads (BLC 9 : 210 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
111	133	X	0.1014	%25
112	133	X	0.1014	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	0.046	%10
117	140	X	0.041	%10
118	140	X	0.0286	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	0.046	%80
122	141	X	0.0668	%80
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	0.1014	%25
127	134	X	0.1014	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	0.0459	%35
132	147	X	0.0459	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	0.1014	%25
137	135	X	0.1014	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	0.046	%10
142	138	X	0.041	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	0.046	%80
147	139	X	0.0668	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 10 : 240 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	0.223	%30
2	112	Z	0.223	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	0.034	%35
7	144	Z	0.034	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	0.223	%25
12	113	Z	0.223	%70

Member Point Loads (BLC 10 : 240 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	0.0264	%10
17	136	Z	0.0345	%10
18	136	Z	0.0286	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	0.0205	%80
22	137	Z	0.0305	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	0.223	%25
27	132	Z	0.223	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	0.034	%35
32	150	Z	0.034	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	0.223	%25
37	133	Z	0.223	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	0.0264	%10
42	140	Z	0.0345	%10
43	140	Z	0.0286	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	0.0205	%80
47	141	Z	0.0305	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	0.223	%25
52	134	Z	0.223	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	0.034	%35
57	147	Z	0.034	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	0.223	%25
62	135	Z	0.223	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	0.0264	%10
67	138	Z	0.0345	%10

Member Point Loads (BLC 10 : 240 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	0.0205	%80
72	139	Z	0.0305	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	0.1755	%30
77	112	X	0.1755	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	0.0588	%35
82	144	X	0.0588	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	0.1755	%25
87	113	X	0.1755	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	0.0796	%10
92	136	X	0.0711	%10
93	136	X	0.0495	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	0.0796	%80
97	137	X	0.1158	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	0.1755	%25
102	132	X	0.1755	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	0.0588	%35
107	150	X	0.0588	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0
111	133	X	0.1755	%25
112	133	X	0.1755	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	0.0796	%10
117	140	X	0.0711	%10
118	140	X	0.0495	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	0.0796	%80
122	141	X	0.1158	%80

Member Point Loads (BLC 10 : 240 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	0.1755	%25
127	134	X	0.1755	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	0.0588	%35
132	147	X	0.0588	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	0.1755	%25
137	135	X	0.1755	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	0.0796	%10
142	138	X	0.0711	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	0.0796	%80
147	139	X	0.1158	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 11 : 270 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	X	0.2027	%30
2	112	X	0.2027	%75
3	112	X	0	0
4	112	X	0	0
5	112	X	0	0
6	144	X	0.0458	%35
7	144	X	0.0458	%65
8	144	X	0	0
9	144	X	0	0
10	144	X	0	0
11	113	X	0.2027	%25
12	113	X	0.2027	%70
13	113	X	0	0
14	113	X	0	0
15	113	X	0	0
16	136	X	0.092	%10
17	136	X	0.0821	%10
18	136	X	0.0571	%50
19	136	X	0	0
20	136	X	0	0
21	137	X	0.092	%80
22	137	X	0.1337	%80
23	137	X	0	0
24	137	X	0	0

Member Point Loads (BLC 11 : 270 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
25	137	X	0	0
26	132	X	0.2027	%25
27	132	X	0.2027	%75
28	132	X	0	0
29	132	X	0	0
30	132	X	0	0
31	150	X	0.0458	%35
32	150	X	0.0458	%65
33	150	X	0	0
34	150	X	0	0
35	150	X	0	0
36	133	X	0.2027	%25
37	133	X	0.2027	%70
38	133	X	0	0
39	133	X	0	0
40	133	X	0	0
41	140	X	0.092	%10
42	140	X	0.0821	%10
43	140	X	0.0571	%50
44	140	X	0	0
45	140	X	0	0
46	141	X	0.092	%80
47	141	X	0.1337	%80
48	141	X	0	0
49	141	X	0	0
50	141	X	0	0
51	134	X	0.2027	%25
52	134	X	0.2027	%70
53	134	X	0	0
54	134	X	0	0
55	134	X	0	0
56	147	X	0.0458	%35
57	147	X	0.0458	%65
58	147	X	0	0
59	147	X	0	0
60	147	X	0	0
61	135	X	0.2027	%25
62	135	X	0.2027	%70
63	135	X	0	0
64	135	X	0	0
65	135	X	0	0
66	138	X	0.092	%10
67	138	X	0.0821	%10
68	138	X	0	0
69	138	X	0	0
70	138	X	0	0
71	139	X	0.092	%80
72	139	X	0.1337	%80
73	139	X	0	0
74	139	X	0	0
75	139	X	0	0

Member Point Loads (BLC 12 : 300 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.223	%30
2	112	Z	-0.223	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.0336	%35
7	144	Z	-0.0336	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.223	%25
12	113	Z	-0.223	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0264	%10
17	136	Z	-0.0345	%10
18	136	Z	-0.0286	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0205	%80
22	137	Z	-0.0305	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	-0.223	%25
27	132	Z	-0.223	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.0336	%35
32	150	Z	-0.0336	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.223	%25
37	133	Z	-0.223	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0264	%10
42	140	Z	-0.0345	%10
43	140	Z	-0.0286	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0205	%80
47	141	Z	-0.0305	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.223	%25
52	134	Z	-0.223	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0

Member Point Loads (BLC 12 : 300 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
56	147	Z	-0.0336	%35
57	147	Z	-0.0336	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.223	%25
62	135	Z	-0.223	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0264	%10
67	138	Z	-0.0345	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0205	%80
72	139	Z	-0.0305	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	0.1755	%30
77	112	X	0.1755	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	0.0581	%35
82	144	X	0.0581	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	0.1755	%25
87	113	X	0.1755	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	0.0796	%10
92	136	X	0.0711	%10
93	136	X	0.0495	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	0.0796	%80
97	137	X	0.1158	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	0.1755	%25
102	132	X	0.1755	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	0.0581	%35
107	150	X	0.0581	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0

Member Point Loads (BLC 12 : 300 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
111	133	X	0.1755	%25
112	133	X	0.1755	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	0.0796	%10
117	140	X	0.0711	%10
118	140	X	0.0495	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	0.0796	%80
122	141	X	0.1158	%80
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	0.1755	%25
127	134	X	0.1755	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	0.0581	%35
132	147	X	0.0581	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	0.1755	%25
137	135	X	0.1755	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	0.0796	%10
142	138	X	0.0711	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	0.0796	%80
147	139	X	0.1158	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 13 : 330 Wind)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.3862	%30
2	112	Z	-0.3862	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.0927	%35
7	144	Z	-0.0927	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.3862	%25
12	113	Z	-0.3862	%70

Member Point Loads (BLC 13 : 330 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0458	%10
17	136	Z	-0.0598	%10
18	136	Z	-0.0495	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0355	%80
22	137	Z	-0.0528	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	-0.3862	%25
27	132	Z	-0.3862	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.0927	%35
32	150	Z	-0.0927	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.3862	%25
37	133	Z	-0.3862	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0458	%10
42	140	Z	-0.0598	%10
43	140	Z	-0.0495	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0355	%80
47	141	Z	-0.0528	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.3862	%25
52	134	Z	-0.3862	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	-0.0927	%35
57	147	Z	-0.0927	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.3862	%25
62	135	Z	-0.3862	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0458	%10
67	138	Z	-0.0598	%10

Member Point Loads (BLC 13 : 330 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0355	%80
72	139	Z	-0.0528	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0
76	112	X	0.1014	%30
77	112	X	0.1014	%75
78	112	X	0	0
79	112	X	0	0
80	112	X	0	0
81	144	X	0.0535	%35
82	144	X	0.0535	%65
83	144	X	0	0
84	144	X	0	0
85	144	X	0	0
86	113	X	0.1014	%25
87	113	X	0.1014	%70
88	113	X	0	0
89	113	X	0	0
90	113	X	0	0
91	136	X	0.046	%10
92	136	X	0.041	%10
93	136	X	0.0286	%50
94	136	X	0	0
95	136	X	0	0
96	137	X	0.046	%80
97	137	X	0.0668	%80
98	137	X	0	0
99	137	X	0	0
100	137	X	0	0
101	132	X	0.1014	%25
102	132	X	0.1014	%75
103	132	X	0	0
104	132	X	0	0
105	132	X	0	0
106	150	X	0.0535	%35
107	150	X	0.0535	%65
108	150	X	0	0
109	150	X	0	0
110	150	X	0	0
111	133	X	0.1014	%25
112	133	X	0.1014	%70
113	133	X	0	0
114	133	X	0	0
115	133	X	0	0
116	140	X	0.046	%10
117	140	X	0.041	%10
118	140	X	0.0286	%50
119	140	X	0	0
120	140	X	0	0
121	141	X	0.046	%80
122	141	X	0.0668	%80

Member Point Loads (BLC 13 : 330 Wind) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
123	141	X	0	0
124	141	X	0	0
125	141	X	0	0
126	134	X	0.1014	%25
127	134	X	0.1014	%70
128	134	X	0	0
129	134	X	0	0
130	134	X	0	0
131	147	X	0.0535	%35
132	147	X	0.0535	%65
133	147	X	0	0
134	147	X	0	0
135	147	X	0	0
136	135	X	0.1014	%25
137	135	X	0.1014	%70
138	135	X	0	0
139	135	X	0	0
140	135	X	0	0
141	138	X	0.046	%10
142	138	X	0.041	%10
143	138	X	0	0
144	138	X	0	0
145	138	X	0	0
146	139	X	0.046	%80
147	139	X	0.0668	%80
148	139	X	0	0
149	139	X	0	0
150	139	X	0	0

Member Point Loads (BLC 14 : 0 Wind w/Ice)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.0788	%30
2	112	Z	-0.0788	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.0243	%35
7	144	Z	-0.0243	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.0788	%25
12	113	Z	-0.0788	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0146	%10
17	136	Z	-0.0173	%10
18	136	Z	-0.0129	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0125	%80
22	137	Z	-0.0167	%80
23	137	Z	0	0
24	137	Z	0	0

Member Point Loads (BLC 14 : 0 Wind w/Ice) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
25	137	Z	0	0
26	132	Z	-0.0788	%25
27	132	Z	-0.0788	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.0243	%35
32	150	Z	-0.0243	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.0788	%25
37	133	Z	-0.0788	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0146	%10
42	140	Z	-0.0173	%10
43	140	Z	-0.0129	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0125	%80
47	141	Z	-0.0167	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.0788	%25
52	134	Z	-0.0788	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	-0.0243	%35
57	147	Z	-0.0243	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.0788	%25
62	135	Z	-0.0788	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0146	%10
67	138	Z	-0.0173	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0125	%80
72	139	Z	-0.0167	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0

Member Point Loads (BLC 15 : 90 Wind w/Ice)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	X	-0.0463	%30
2	112	X	-0.0463	%75
3	112	X	0	0
4	112	X	0	0
5	112	X	0	0
6	144	X	-0.0152	%35
7	144	X	-0.0152	%65
8	144	X	0	0
9	144	X	0	0
10	144	X	0	0
11	113	X	-0.0463	%25
12	113	X	-0.0463	%70
13	113	X	0	0
14	113	X	0	0
15	113	X	0	0
16	136	X	-0.0215	%10
17	136	X	-0.0197	%10
18	136	X	-0.0129	%50
19	136	X	0	0
20	136	X	0	0
21	137	X	-0.0215	%80
22	137	X	-0.0289	%80
23	137	X	0	0
24	137	X	0	0
25	137	X	0	0
26	132	X	-0.0463	%25
27	132	X	-0.0463	%75
28	132	X	0	0
29	132	X	0	0
30	132	X	0	0
31	150	X	-0.0152	%35
32	150	X	-0.0152	%65
33	150	X	0	0
34	150	X	0	0
35	150	X	0	0
36	133	X	-0.0463	%25
37	133	X	-0.0463	%70
38	133	X	0	0
39	133	X	0	0
40	133	X	0	0
41	140	X	-0.0215	%10
42	140	X	-0.0197	%10
43	140	X	-0.0129	%50
44	140	X	0	0
45	140	X	0	0
46	141	X	-0.0215	%80
47	141	X	-0.0289	%80
48	141	X	0	0
49	141	X	0	0
50	141	X	0	0
51	134	X	-0.0463	%25
52	134	X	-0.0463	%70
53	134	X	0	0
54	134	X	0	0
55	134	X	0	0

Member Point Loads (BLC 15 : 90 Wind w/Ice) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
56	147	X	-0.0152	%35
57	147	X	-0.0152	%65
58	147	X	0	0
59	147	X	0	0
60	147	X	0	0
61	135	X	-0.0463	%25
62	135	X	-0.0463	%70
63	135	X	0	0
64	135	X	0	0
65	135	X	0	0
66	138	X	-0.0215	%10
67	138	X	-0.0197	%10
68	138	X	0	0
69	138	X	0	0
70	138	X	0	0
71	139	X	-0.0215	%80
72	139	X	-0.0289	%80
73	139	X	0	0
74	139	X	0	0
75	139	X	0	0

Member Point Loads (BLC 16 : 0 Wind Service)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.0351	%30
2	112	Z	-0.0351	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.0108	%35
7	144	Z	-0.0108	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.0351	%25
12	113	Z	-0.0351	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0042	%10
17	136	Z	-0.0054	%10
18	136	Z	-0.0045	%50
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0032	%80
22	137	Z	-0.0048	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	-0.0351	%25
27	132	Z	-0.0351	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.0108	%35
32	150	Z	-0.0108	%65

Member Point Loads (BLC 16 : 0 Wind Service) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.0351	%25
37	133	Z	-0.0351	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0042	%10
42	140	Z	-0.0054	%10
43	140	Z	-0.0045	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0032	%80
47	141	Z	-0.0048	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.0351	%25
52	134	Z	-0.0351	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	-0.0108	%35
57	147	Z	-0.0108	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.0351	%25
62	135	Z	-0.0351	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0042	%10
67	138	Z	-0.0054	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0032	%80
72	139	Z	-0.0048	%80
73	139	Z	0	0
74	139	Z	0	0
75	139	Z	0	0

Member Point Loads (BLC 17 : 90 Wind Service)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	X	-0.0159	%30
2	112	X	-0.0159	%75
3	112	X	0	0
4	112	X	0	0
5	112	X	0	0
6	144	X	-0.0036	%35
7	144	X	-0.0036	%65
8	144	X	0	0
9	144	X	0	0

Member Point Loads (BLC 17 : 90 Wind Service) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
10	144	X	0	0
11	113	X	-0.0159	%25
12	113	X	-0.0159	%70
13	113	X	0	0
14	113	X	0	0
15	113	X	0	0
16	136	X	-0.0072	%10
17	136	X	-0.0065	%10
18	136	X	-0.0045	%50
19	136	X	0	0
20	136	X	0	0
21	137	X	-0.0072	%80
22	137	X	-0.0105	%80
23	137	X	0	0
24	137	X	0	0
25	137	X	0	0
26	132	X	-0.0159	%25
27	132	X	-0.0159	%75
28	132	X	0	0
29	132	X	0	0
30	132	X	0	0
31	150	X	-0.0036	%35
32	150	X	-0.0036	%65
33	150	X	0	0
34	150	X	0	0
35	150	X	0	0
36	133	X	-0.0159	%25
37	133	X	-0.0159	%70
38	133	X	0	0
39	133	X	0	0
40	133	X	0	0
41	140	X	-0.0072	%10
42	140	X	-0.0065	%10
43	140	X	-0.0045	%50
44	140	X	0	0
45	140	X	0	0
46	141	X	-0.0072	%80
47	141	X	-0.0105	%80
48	141	X	0	0
49	141	X	0	0
50	141	X	0	0
51	134	X	-0.0159	%25
52	134	X	-0.0159	%70
53	134	X	0	0
54	134	X	0	0
55	134	X	0	0
56	147	X	-0.0036	%35
57	147	X	-0.0036	%65
58	147	X	0	0
59	147	X	0	0
60	147	X	0	0
61	135	X	-0.0159	%25
62	135	X	-0.0159	%70
63	135	X	0	0
64	135	X	0	0

Member Point Loads (BLC 17 : 90 Wind Service) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
65	135	X	0	0
66	138	X	-0.0072	%10
67	138	X	-0.0065	%10
68	138	X	0	0
69	138	X	0	0
70	138	X	0	0
71	139	X	-0.0072	%80
72	139	X	-0.0105	%80
73	139	X	0	0
74	139	X	0	0
75	139	X	0	0

Member Point Loads (BLC 18 : Ice)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Y	-0.2575	%30
2	112	Y	-0.2575	%75
3	112	Y	0	0
4	112	Y	0	0
5	112	Y	0	0
6	144	Y	-0.0804	%35
7	144	Y	-0.0804	%65
8	144	Y	0	0
9	144	Y	0	0
10	144	Y	0	0
11	113	Y	-0.2575	%25
12	113	Y	-0.2575	%70
13	113	Y	0	0
14	113	Y	0	0
15	113	Y	0	0
16	136	Y	-0.0643	%10
17	136	Y	-0.0642	%10
18	136	Y	-0.0862	%50
19	136	Y	0	0
20	136	Y	0	0
21	137	Y	-0.0613	%80
22	137	Y	-0.0878	%80
23	137	Y	0	0
24	137	Y	0	0
25	137	Y	0	0
26	132	Y	-0.2575	%25
27	132	Y	-0.2575	%75
28	132	Y	0	0
29	132	Y	0	0
30	132	Y	0	0
31	150	Y	-0.0804	%35
32	150	Y	-0.0804	%65
33	150	Y	0	0
34	150	Y	0	0
35	150	Y	0	0
36	133	Y	-0.2575	%25
37	133	Y	-0.2575	%70
38	133	Y	0	0
39	133	Y	0	0
40	133	Y	0	0
41	140	Y	-0.0643	%10

Member Point Loads (BLC 18 : Ice) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
42	140	Y	-0.0642	%10
43	140	Y	-0.0862	%50
44	140	Y	0	0
45	140	Y	0	0
46	141	Y	-0.0613	%80
47	141	Y	-0.0878	%80
48	141	Y	0	0
49	141	Y	0	0
50	141	Y	0	0
51	134	Y	-0.2575	%25
52	134	Y	-0.2575	%70
53	134	Y	0	0
54	134	Y	0	0
55	134	Y	0	0
56	147	Y	-0.0804	%35
57	147	Y	-0.0804	%65
58	147	Y	0	0
59	147	Y	0	0
60	147	Y	0	0
61	135	Y	-0.2575	%25
62	135	Y	-0.2575	%70
63	135	Y	0	0
64	135	Y	0	0
65	135	Y	0	0
66	138	Y	-0.0643	%10
67	138	Y	-0.0642	%10
68	138	Y	0	0
69	138	Y	0	0
70	138	Y	0	0
71	139	Y	-0.0613	%80
72	139	Y	-0.0878	%80
73	139	Y	0	0
74	139	Y	0	0
75	139	Y	0	0

Member Point Loads (BLC 19 : 0 Seismic)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	Z	-0.0142	%30
2	112	Z	-0.0142	%75
3	112	Z	0	0
4	112	Z	0	0
5	112	Z	0	0
6	144	Z	-0.0129	%35
7	144	Z	-0.0129	%65
8	144	Z	0	0
9	144	Z	0	0
10	144	Z	0	0
11	113	Z	-0.0154	%25
12	113	Z	-0.0154	%70
13	113	Z	0	0
14	113	Z	0	0
15	113	Z	0	0
16	136	Z	-0.0084	%10
17	136	Z	-0.0105	%10
18	136	Z	-0.0037	%50

Member Point Loads (BLC 19 : 0 Seismic) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
19	136	Z	0	0
20	136	Z	0	0
21	137	Z	-0.0064	%80
22	137	Z	-0.0091	%80
23	137	Z	0	0
24	137	Z	0	0
25	137	Z	0	0
26	132	Z	-0.0142	%25
27	132	Z	-0.0142	%75
28	132	Z	0	0
29	132	Z	0	0
30	132	Z	0	0
31	150	Z	-0.0129	%35
32	150	Z	-0.0129	%65
33	150	Z	0	0
34	150	Z	0	0
35	150	Z	0	0
36	133	Z	-0.0154	%25
37	133	Z	-0.0154	%70
38	133	Z	0	0
39	133	Z	0	0
40	133	Z	0	0
41	140	Z	-0.0084	%10
42	140	Z	-0.0105	%10
43	140	Z	-0.0037	%50
44	140	Z	0	0
45	140	Z	0	0
46	141	Z	-0.0064	%80
47	141	Z	-0.0091	%80
48	141	Z	0	0
49	141	Z	0	0
50	141	Z	0	0
51	134	Z	-0.0142	%25
52	134	Z	-0.0142	%70
53	134	Z	0	0
54	134	Z	0	0
55	134	Z	0	0
56	147	Z	-0.0129	%35
57	147	Z	-0.0129	%65
58	147	Z	0	0
59	147	Z	0	0
60	147	Z	0	0
61	135	Z	-0.0154	%25
62	135	Z	-0.0154	%70
63	135	Z	0	0
64	135	Z	0	0
65	135	Z	0	0
66	138	Z	-0.0084	%10
67	138	Z	-0.0105	%10
68	138	Z	0	0
69	138	Z	0	0
70	138	Z	0	0
71	139	Z	-0.0064	%80
72	139	Z	-0.0091	%80
73	139	Z	0	0

Member Point Loads (BLC 19 : 0 Seismic) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
74	139	Z	0	0
75	139	Z	0	0

Member Point Loads (BLC 20 : 90 Seismic)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	112	X	-0.0142	%30
2	112	X	-0.0142	%75
3	112	X	0	0
4	112	X	0	0
5	112	X	0	0
6	144	X	-0.0129	%35
7	144	X	-0.0129	%65
8	144	X	0	0
9	144	X	0	0
10	144	X	0	0
11	113	X	-0.0154	%25
12	113	X	-0.0154	%70
13	113	X	0	0
14	113	X	0	0
15	113	X	0	0
16	136	X	-0.0084	%10
17	136	X	-0.0105	%10
18	136	X	-0.0037	%50
19	136	X	0	0
20	136	X	0	0
21	137	X	-0.0064	%80
22	137	X	-0.0091	%80
23	137	X	0	0
24	137	X	0	0
25	137	X	0	0
26	132	X	-0.0142	%25
27	132	X	-0.0142	%75
28	132	X	0	0
29	132	X	0	0
30	132	X	0	0
31	150	X	-0.0129	%35
32	150	X	-0.0129	%65
33	150	X	0	0
34	150	X	0	0
35	150	X	0	0
36	133	X	-0.0154	%25
37	133	X	-0.0154	%70
38	133	X	0	0
39	133	X	0	0
40	133	X	0	0
41	140	X	-0.0084	%10
42	140	X	-0.0105	%10
43	140	X	-0.0037	%50
44	140	X	0	0
45	140	X	0	0
46	141	X	-0.0064	%80
47	141	X	-0.0091	%80
48	141	X	0	0
49	141	X	0	0
50	141	X	0	0

Member Point Loads (BLC 20 : 90 Seismic) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
51	134	X	-0.0142	%25
52	134	X	-0.0142	%70
53	134	X	0	0
54	134	X	0	0
55	134	X	0	0
56	147	X	-0.0129	%35
57	147	X	-0.0129	%65
58	147	X	0	0
59	147	X	0	0
60	147	X	0	0
61	135	X	-0.0154	%25
62	135	X	-0.0154	%70
63	135	X	0	0
64	135	X	0	0
65	135	X	0	0
66	138	X	-0.0084	%10
67	138	X	-0.0105	%10
68	138	X	0	0
69	138	X	0	0
70	138	X	0	0
71	139	X	-0.0064	%80
72	139	X	-0.0091	%80
73	139	X	0	0
74	139	X	0	0
75	139	X	0	0

Member Point Loads (BLC 28 : Maint LL 1)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	114	Y	-0.25	%95

Member Point Loads (BLC 29 : Maint LL 2)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	115	Y	-0.25	%95

Member Point Loads (BLC 30 : Maint LL 3)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	116	Y	-0.25	%95

Member Point Loads (BLC 31 : Maint LL 4)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	117	Y	-0.25	%95

Member Point Loads (BLC 32 : Maint LL 5)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	118	Y	-0.25	%95

Member Point Loads (BLC 33 : Maint LL 6)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	119	Y	-0.25	%95

Member Point Loads (BLC 34 : Maint LL 7)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	10	Y	-0.25	%50

Member Point Loads (BLC 35 : Maint LL 8)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	14	Y	-0.25	%50

Member Point Loads (BLC 36 : Maint LL 9)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	22	Y	-0.25	%50

Member Point Loads (BLC 37 : Maint LL 10)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	25	Y	-0.25	%50

Member Point Loads (BLC 38 : Maint LL 11)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	42	Y	-0.25	%50

Member Point Loads (BLC 39 : Maint LL 12)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	48	Y	-0.25	%50

Member Point Loads (BLC 40 : Maint LL 13)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	54	Y	-0.25	%50

Member Point Loads (BLC 41 : Maint LL 14)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	57	Y	-0.25	%50

Member Point Loads (BLC 42 : Maint LL 15)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	73	Y	-0.25	%50

Member Point Loads (BLC 43 : Maint LL 16)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	79	Y	-0.25	%50

Member Point Loads (BLC 44 : Maint LL 17)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	85	Y	-0.25	%50

Member Point Loads (BLC 45 : Maint LL 18)

	Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1	88	Y	-0.25	%50

Member Distributed Loads (BLC 14 : 0 Wind w/Ice)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	Z	-0.0073	-0.0073	0	%100
2	2	Z	-0.0073	-0.0073	0	%100
3	3	Z	-0.0026	-0.0026	0	%100
4	4	Z	-0.0027	-0.0027	0	%100
5	5	Z	-0.0027	-0.0027	0	%100
6	9	Z	-0.0095	-0.0095	0	%100
7	10	Z	-0.0026	-0.0026	0	%100
8	11	Z	-0.0087	-0.0087	0	%100
9	13	Z	-0.0095	-0.0095	0	%100
10	14	Z	-0.0026	-0.0026	0	%100
11	15	Z	-0.0087	-0.0087	0	%100
12	18	Z	-0.0026	-0.0026	0	%100
13	19	Z	-0.0027	-0.0027	0	%100
14	20	Z	-0.0027	-0.0027	0	%100
15	21	Z	-0.0095	-0.0095	0	%100
16	22	Z	-0.0026	-0.0026	0	%100
17	23	Z	-0.0087	-0.0087	0	%100
18	24	Z	-0.0095	-0.0095	0	%100
19	25	Z	-0.0026	-0.0026	0	%100
20	26	Z	-0.0087	-0.0087	0	%100
21	29	Z	-0.0032	-0.0032	0	%100
22	32	Z	-0.0073	-0.0073	0	%100
23	33	Z	-0.0073	-0.0073	0	%100
24	34	Z	-0.0026	-0.0026	0	%100
25	35	Z	-0.0027	-0.0027	0	%100
26	36	Z	-0.0027	-0.0027	0	%100
27	40	Z	-0.0095	-0.0095	0	%100
28	41	Z	-0.0027	-0.0027	0	%100
29	42	Z	-0.0026	-0.0026	0	%100
30	43	Z	-0.0087	-0.0087	0	%100
31	45	Z	-0.0087	-0.0087	0	%100
32	46	Z	-0.0095	-0.0095	0	%100
33	48	Z	-0.0026	-0.0026	0	%100
34	50	Z	-0.0026	-0.0026	0	%100
35	51	Z	-0.0087	-0.0087	0	%100
36	52	Z	-0.0027	-0.0027	0	%100
37	53	Z	-0.0095	-0.0095	0	%100
38	54	Z	-0.0026	-0.0026	0	%100
39	55	Z	-0.0032	-0.0032	0	%100

Member Distributed Loads (BLC 14 : 0 Wind w/Ice) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
40	56	Z	-0.0095	-0.0095	0	%100
41	57	Z	-0.0026	-0.0026	0	%100
42	58	Z	-0.0087	-0.0087	0	%100
43	63	Z	-0.0073	-0.0073	0	%100
44	64	Z	-0.0073	-0.0073	0	%100
45	65	Z	-0.0026	-0.0026	0	%100
46	66	Z	-0.0027	-0.0027	0	%100
47	67	Z	-0.0027	-0.0027	0	%100
48	71	Z	-0.0095	-0.0095	0	%100
49	72	Z	-0.0027	-0.0027	0	%100
50	73	Z	-0.0026	-0.0026	0	%100
51	74	Z	-0.0087	-0.0087	0	%100
52	76	Z	-0.0087	-0.0087	0	%100
53	77	Z	-0.0095	-0.0095	0	%100
54	79	Z	-0.0026	-0.0026	0	%100
55	81	Z	-0.0026	-0.0026	0	%100
56	82	Z	-0.0087	-0.0087	0	%100
57	83	Z	-0.0027	-0.0027	0	%100
58	84	Z	-0.0095	-0.0095	0	%100
59	85	Z	-0.0026	-0.0026	0	%100
60	86	Z	-0.0032	-0.0032	0	%100
61	87	Z	-0.0095	-0.0095	0	%100
62	88	Z	-0.0026	-0.0026	0	%100
63	89	Z	-0.0087	-0.0087	0	%100
64	95	Z	-0.0025	-0.0025	0	%100
65	110	Z	-0.0025	-0.0025	0	%100
66	111	Z	-0.0025	-0.0025	0	%100
67	112	Z	-0.0026	-0.0026	0	%100
68	113	Z	-0.0026	-0.0026	0	%100
69	114	Z	-0.0024	-0.0024	0	%100
70	115	Z	-0.0024	-0.0024	0	%100
71	116	Z	-0.0024	-0.0024	0	%100
72	117	Z	-0.0024	-0.0024	0	%100
73	118	Z	-0.0024	-0.0024	0	%100
74	119	Z	-0.0024	-0.0024	0	%100
75	132	Z	-0.0026	-0.0026	0	%100
76	133	Z	-0.0026	-0.0026	0	%100
77	134	Z	-0.0026	-0.0026	0	%100
78	135	Z	-0.0026	-0.0026	0	%100
79	136	Z	-0.0024	-0.0024	0	%100
80	137	Z	-0.0024	-0.0024	0	%100
81	138	Z	-0.0024	-0.0024	0	%100
82	139	Z	-0.0024	-0.0024	0	%100
83	140	Z	-0.0024	-0.0024	0	%100
84	141	Z	-0.0024	-0.0024	0	%100
85	144	Z	-0.0026	-0.0026	0	%100
86	147	Z	-0.0026	-0.0026	0	%100
87	150	Z	-0.0026	-0.0026	0	%100
88	151	Z	-0.0026	-0.0026	0	%100
89	154	Z	-0.0026	-0.0026	0	%100
90	157	Z	-0.0026	-0.0026	0	%100

Member Distributed Loads (BLC 15 : 90 Wind w/Ice)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	X	-0.0073	-0.0073	0	%100
2	2	X	-0.0073	-0.0073	0	%100
3	3	X	-0.0026	-0.0026	0	%100
4	4	X	-0.0027	-0.0027	0	%100
5	5	X	-0.0027	-0.0027	0	%100
6	9	X	-0.0095	-0.0095	0	%100
7	10	X	-0.0026	-0.0026	0	%100
8	11	X	-0.0087	-0.0087	0	%100
9	13	X	-0.0095	-0.0095	0	%100
10	14	X	-0.0026	-0.0026	0	%100
11	15	X	-0.0087	-0.0087	0	%100
12	18	X	-0.0026	-0.0026	0	%100
13	19	X	-0.0027	-0.0027	0	%100
14	20	X	-0.0027	-0.0027	0	%100
15	21	X	-0.0095	-0.0095	0	%100
16	22	X	-0.0026	-0.0026	0	%100
17	23	X	-0.0087	-0.0087	0	%100
18	24	X	-0.0095	-0.0095	0	%100
19	25	X	-0.0026	-0.0026	0	%100
20	26	X	-0.0087	-0.0087	0	%100
21	29	X	-0.0032	-0.0032	0	%100
22	32	X	-0.0073	-0.0073	0	%100
23	33	X	-0.0073	-0.0073	0	%100
24	34	X	-0.0026	-0.0026	0	%100
25	35	X	-0.0027	-0.0027	0	%100
26	36	X	-0.0027	-0.0027	0	%100
27	40	X	-0.0095	-0.0095	0	%100
28	41	X	-0.0027	-0.0027	0	%100
29	42	X	-0.0026	-0.0026	0	%100
30	43	X	-0.0087	-0.0087	0	%100
31	45	X	-0.0087	-0.0087	0	%100
32	46	X	-0.0095	-0.0095	0	%100
33	48	X	-0.0026	-0.0026	0	%100
34	50	X	-0.0026	-0.0026	0	%100
35	51	X	-0.0087	-0.0087	0	%100
36	52	X	-0.0027	-0.0027	0	%100
37	53	X	-0.0095	-0.0095	0	%100
38	54	X	-0.0026	-0.0026	0	%100
39	55	X	-0.0032	-0.0032	0	%100
40	56	X	-0.0095	-0.0095	0	%100
41	57	X	-0.0026	-0.0026	0	%100
42	58	X	-0.0087	-0.0087	0	%100
43	63	X	-0.0073	-0.0073	0	%100
44	64	X	-0.0073	-0.0073	0	%100
45	65	X	-0.0026	-0.0026	0	%100
46	66	X	-0.0027	-0.0027	0	%100
47	67	X	-0.0027	-0.0027	0	%100
48	71	X	-0.0095	-0.0095	0	%100
49	72	X	-0.0027	-0.0027	0	%100
50	73	X	-0.0026	-0.0026	0	%100
51	74	X	-0.0087	-0.0087	0	%100
52	76	X	-0.0087	-0.0087	0	%100
53	77	X	-0.0095	-0.0095	0	%100
54	79	X	-0.0026	-0.0026	0	%100
55	81	X	-0.0026	-0.0026	0	%100

Member Distributed Loads (BLC 15 : 90 Wind w/Ice) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
56	82	X	-0.0087	-0.0087	0	%100
57	83	X	-0.0027	-0.0027	0	%100
58	84	X	-0.0095	-0.0095	0	%100
59	85	X	-0.0026	-0.0026	0	%100
60	86	X	-0.0032	-0.0032	0	%100
61	87	X	-0.0095	-0.0095	0	%100
62	88	X	-0.0026	-0.0026	0	%100
63	89	X	-0.0087	-0.0087	0	%100
64	95	X	-0.0025	-0.0025	0	%100
65	110	X	-0.0025	-0.0025	0	%100
66	111	X	-0.0025	-0.0025	0	%100
67	112	X	-0.0026	-0.0026	0	%100
68	113	X	-0.0026	-0.0026	0	%100
69	114	X	-0.0024	-0.0024	0	%100
70	115	X	-0.0024	-0.0024	0	%100
71	116	X	-0.0024	-0.0024	0	%100
72	117	X	-0.0024	-0.0024	0	%100
73	118	X	-0.0024	-0.0024	0	%100
74	119	X	-0.0024	-0.0024	0	%100
75	132	X	-0.0026	-0.0026	0	%100
76	133	X	-0.0026	-0.0026	0	%100
77	134	X	-0.0026	-0.0026	0	%100
78	135	X	-0.0026	-0.0026	0	%100
79	136	X	-0.0024	-0.0024	0	%100
80	137	X	-0.0024	-0.0024	0	%100
81	138	X	-0.0024	-0.0024	0	%100
82	139	X	-0.0024	-0.0024	0	%100
83	140	X	-0.0024	-0.0024	0	%100
84	141	X	-0.0024	-0.0024	0	%100
85	144	X	-0.0026	-0.0026	0	%100
86	147	X	-0.0026	-0.0026	0	%100
87	150	X	-0.0026	-0.0026	0	%100
88	151	X	-0.0026	-0.0026	0	%100
89	154	X	-0.0026	-0.0026	0	%100
90	157	X	-0.0026	-0.0026	0	%100

Member Distributed Loads (BLC 16 : 0 Wind Service)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	Z	-0.0004	-0.0004	0	%100
2	2	Z	-0.0004	-0.0004	0	%100
3	3	Z	-0.0002	-0.0002	0	%100
4	4	Z	-0.0002	-0.0002	0	%100
5	5	Z	-0.0002	-0.0002	0	%100
6	9	Z	-0.0002	-0.0002	0	%100
7	10	Z	-0.0005	-0.0005	0	%100
8	11	Z	-0.0002	-0.0002	0	%100
9	13	Z	-0.0002	-0.0002	0	%100
10	14	Z	-0.0005	-0.0005	0	%100
11	15	Z	-0.0002	-0.0002	0	%100
12	18	Z	-0.0002	-0.0002	0	%100
13	19	Z	-0.0002	-0.0002	0	%100
14	20	Z	-0.0002	-0.0002	0	%100
15	21	Z	-0.0002	-0.0002	0	%100
16	22	Z	-0.0005	-0.0005	0	%100
17	23	Z	-0.0002	-0.0002	0	%100

Member Distributed Loads (BLC 16 : 0 Wind Service) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
18	24	Z	-0.0002	-0.0002	0	%100
19	25	Z	-0.0005	-0.0005	0	%100
20	26	Z	-0.0002	-0.0002	0	%100
21	29	Z	-0.0009	-0.0009	0	%100
22	32	Z	-0.0004	-0.0004	0	%100
23	33	Z	-0.0004	-0.0004	0	%100
24	34	Z	-0.0002	-0.0002	0	%100
25	35	Z	-0.0002	-0.0002	0	%100
26	36	Z	-0.0002	-0.0002	0	%100
27	40	Z	-0.0002	-0.0002	0	%100
28	41	Z	-0.0002	-0.0002	0	%100
29	42	Z	-0.0005	-0.0005	0	%100
30	43	Z	-0.0002	-0.0002	0	%100
31	45	Z	-0.0002	-0.0002	0	%100
32	46	Z	-0.0002	-0.0002	0	%100
33	48	Z	-0.0005	-0.0005	0	%100
34	50	Z	-0.0002	-0.0002	0	%100
35	51	Z	-0.0002	-0.0002	0	%100
36	52	Z	-0.0002	-0.0002	0	%100
37	53	Z	-0.0002	-0.0002	0	%100
38	54	Z	-0.0005	-0.0005	0	%100
39	55	Z	-0.0009	-0.0009	0	%100
40	56	Z	-0.0002	-0.0002	0	%100
41	57	Z	-0.0005	-0.0005	0	%100
42	58	Z	-0.0002	-0.0002	0	%100
43	63	Z	-0.0004	-0.0004	0	%100
44	64	Z	-0.0004	-0.0004	0	%100
45	65	Z	-0.0002	-0.0002	0	%100
46	66	Z	-0.0002	-0.0002	0	%100
47	67	Z	-0.0002	-0.0002	0	%100
48	71	Z	-0.0002	-0.0002	0	%100
49	72	Z	-0.0002	-0.0002	0	%100
50	73	Z	-0.0005	-0.0005	0	%100
51	74	Z	-0.0002	-0.0002	0	%100
52	76	Z	-0.0002	-0.0002	0	%100
53	77	Z	-0.0002	-0.0002	0	%100
54	79	Z	-0.0005	-0.0005	0	%100
55	81	Z	-0.0002	-0.0002	0	%100
56	82	Z	-0.0002	-0.0002	0	%100
57	83	Z	-0.0002	-0.0002	0	%100
58	84	Z	-0.0002	-0.0002	0	%100
59	85	Z	-0.0005	-0.0005	0	%100
60	86	Z	-0.0009	-0.0009	0	%100
61	87	Z	-0.0002	-0.0002	0	%100
62	88	Z	-0.0005	-0.0005	0	%100
63	89	Z	-0.0002	-0.0002	0	%100
64	95	Z	-0.0005	-0.0005	0	%100
65	110	Z	-0.0005	-0.0005	0	%100
66	111	Z	-0.0005	-0.0005	0	%100
67	112	Z	-0.0006	-0.0006	0	%100
68	113	Z	-0.0006	-0.0006	0	%100
69	114	Z	-0.0005	-0.0005	0	%100
70	115	Z	-0.0005	-0.0005	0	%100
71	116	Z	-0.0005	-0.0005	0	%100
72	117	Z	-0.0005	-0.0005	0	%100

Member Distributed Loads (BLC 16 : 0 Wind Service) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
73	118	Z	-0.0005	-0.0005	0	%100
74	119	Z	-0.0005	-0.0005	0	%100
75	132	Z	-0.0006	-0.0006	0	%100
76	133	Z	-0.0006	-0.0006	0	%100
77	134	Z	-0.0006	-0.0006	0	%100
78	135	Z	-0.0006	-0.0006	0	%100
79	136	Z	-0.0005	-0.0005	0	%100
80	137	Z	-0.0005	-0.0005	0	%100
81	138	Z	-0.0005	-0.0005	0	%100
82	139	Z	-0.0005	-0.0005	0	%100
83	140	Z	-0.0005	-0.0005	0	%100
84	141	Z	-0.0005	-0.0005	0	%100
85	144	Z	-0.0006	-0.0006	0	%100
86	147	Z	-0.0006	-0.0006	0	%100
87	150	Z	-0.0006	-0.0006	0	%100
88	151	Z	-0.0006	-0.0006	0	%100
89	154	Z	-0.0006	-0.0006	0	%100
90	157	Z	-0.0006	-0.0006	0	%100

Member Distributed Loads (BLC 17 : 90 Wind Service)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	X	-0.0004	-0.0004	0	%100
2	2	X	-0.0004	-0.0004	0	%100
3	3	X	-0.0002	-0.0002	0	%100
4	4	X	-0.0002	-0.0002	0	%100
5	5	X	-0.0002	-0.0002	0	%100
6	9	X	-0.0002	-0.0002	0	%100
7	10	X	-0.0005	-0.0005	0	%100
8	11	X	-0.0002	-0.0002	0	%100
9	13	X	-0.0002	-0.0002	0	%100
10	14	X	-0.0005	-0.0005	0	%100
11	15	X	-0.0002	-0.0002	0	%100
12	18	X	-0.0002	-0.0002	0	%100
13	19	X	-0.0002	-0.0002	0	%100
14	20	X	-0.0002	-0.0002	0	%100
15	21	X	-0.0002	-0.0002	0	%100
16	22	X	-0.0005	-0.0005	0	%100
17	23	X	-0.0002	-0.0002	0	%100
18	24	X	-0.0002	-0.0002	0	%100
19	25	X	-0.0005	-0.0005	0	%100
20	26	X	-0.0002	-0.0002	0	%100
21	29	X	-0.0009	-0.0009	0	%100
22	32	X	-0.0004	-0.0004	0	%100
23	33	X	-0.0004	-0.0004	0	%100
24	34	X	-0.0002	-0.0002	0	%100
25	35	X	-0.0002	-0.0002	0	%100
26	36	X	-0.0002	-0.0002	0	%100
27	40	X	-0.0002	-0.0002	0	%100
28	41	X	-0.0002	-0.0002	0	%100
29	42	X	-0.0005	-0.0005	0	%100
30	43	X	-0.0002	-0.0002	0	%100
31	45	X	-0.0002	-0.0002	0	%100
32	46	X	-0.0002	-0.0002	0	%100
33	48	X	-0.0005	-0.0005	0	%100
34	50	X	-0.0002	-0.0002	0	%100

Member Distributed Loads (BLC 17 : 90 Wind Service) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
35	51	X	-0.0002	-0.0002	0	%100
36	52	X	-0.0002	-0.0002	0	%100
37	53	X	-0.0002	-0.0002	0	%100
38	54	X	-0.0005	-0.0005	0	%100
39	55	X	-0.0009	-0.0009	0	%100
40	56	X	-0.0002	-0.0002	0	%100
41	57	X	-0.0005	-0.0005	0	%100
42	58	X	-0.0002	-0.0002	0	%100
43	63	X	-0.0004	-0.0004	0	%100
44	64	X	-0.0004	-0.0004	0	%100
45	65	X	-0.0002	-0.0002	0	%100
46	66	X	-0.0002	-0.0002	0	%100
47	67	X	-0.0002	-0.0002	0	%100
48	71	X	-0.0002	-0.0002	0	%100
49	72	X	-0.0002	-0.0002	0	%100
50	73	X	-0.0005	-0.0005	0	%100
51	74	X	-0.0002	-0.0002	0	%100
52	76	X	-0.0002	-0.0002	0	%100
53	77	X	-0.0002	-0.0002	0	%100
54	79	X	-0.0005	-0.0005	0	%100
55	81	X	-0.0002	-0.0002	0	%100
56	82	X	-0.0002	-0.0002	0	%100
57	83	X	-0.0002	-0.0002	0	%100
58	84	X	-0.0002	-0.0002	0	%100
59	85	X	-0.0005	-0.0005	0	%100
60	86	X	-0.0009	-0.0009	0	%100
61	87	X	-0.0002	-0.0002	0	%100
62	88	X	-0.0005	-0.0005	0	%100
63	89	X	-0.0002	-0.0002	0	%100
64	95	X	-0.0005	-0.0005	0	%100
65	110	X	-0.0005	-0.0005	0	%100
66	111	X	-0.0005	-0.0005	0	%100
67	112	X	-0.0006	-0.0006	0	%100
68	113	X	-0.0006	-0.0006	0	%100
69	114	X	-0.0005	-0.0005	0	%100
70	115	X	-0.0005	-0.0005	0	%100
71	116	X	-0.0005	-0.0005	0	%100
72	117	X	-0.0005	-0.0005	0	%100
73	118	X	-0.0005	-0.0005	0	%100
74	119	X	-0.0005	-0.0005	0	%100
75	132	X	-0.0006	-0.0006	0	%100
76	133	X	-0.0006	-0.0006	0	%100
77	134	X	-0.0006	-0.0006	0	%100
78	135	X	-0.0006	-0.0006	0	%100
79	136	X	-0.0005	-0.0005	0	%100
80	137	X	-0.0005	-0.0005	0	%100
81	138	X	-0.0005	-0.0005	0	%100
82	139	X	-0.0005	-0.0005	0	%100
83	140	X	-0.0005	-0.0005	0	%100
84	141	X	-0.0005	-0.0005	0	%100
85	144	X	-0.0006	-0.0006	0	%100
86	147	X	-0.0006	-0.0006	0	%100
87	150	X	-0.0006	-0.0006	0	%100
88	151	X	-0.0006	-0.0006	0	%100
89	154	X	-0.0006	-0.0006	0	%100

Member Distributed Loads (BLC 17 : 90 Wind Service) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
90	157	X	-0.0006	-0.0006	0	%100

Member Distributed Loads (BLC 18 : Ice)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	Y	-0.022	-0.022	0	%100
2	2	Y	-0.022	-0.022	0	%100
3	3	Y	-0.008	-0.008	0	%100
4	4	Y	-0.008	-0.008	0	%100
5	5	Y	-0.008	-0.008	0	%100
6	9	Y	-0.016	-0.016	0	%100
7	10	Y	-0.012	-0.012	0	%100
8	11	Y	-0.016	-0.016	0	%100
9	13	Y	-0.016	-0.016	0	%100
10	14	Y	-0.012	-0.012	0	%100
11	15	Y	-0.016	-0.016	0	%100
12	18	Y	-0.008	-0.008	0	%100
13	19	Y	-0.008	-0.008	0	%100
14	20	Y	-0.008	-0.008	0	%100
15	21	Y	-0.016	-0.016	0	%100
16	22	Y	-0.012	-0.012	0	%100
17	23	Y	-0.016	-0.016	0	%100
18	24	Y	-0.016	-0.016	0	%100
19	25	Y	-0.012	-0.012	0	%100
20	26	Y	-0.016	-0.016	0	%100
21	29	Y	-0.018	-0.018	0	%100
22	32	Y	-0.022	-0.022	0	%100
23	33	Y	-0.022	-0.022	0	%100
24	34	Y	-0.008	-0.008	0	%100
25	35	Y	-0.008	-0.008	0	%100
26	36	Y	-0.008	-0.008	0	%100
27	40	Y	-0.016	-0.016	0	%100
28	41	Y	-0.008	-0.008	0	%100
29	42	Y	-0.012	-0.012	0	%100
30	43	Y	-0.016	-0.016	0	%100
31	45	Y	-0.016	-0.016	0	%100
32	46	Y	-0.016	-0.016	0	%100
33	48	Y	-0.012	-0.012	0	%100
34	50	Y	-0.008	-0.008	0	%100
35	51	Y	-0.016	-0.016	0	%100
36	52	Y	-0.008	-0.008	0	%100
37	53	Y	-0.016	-0.016	0	%100
38	54	Y	-0.012	-0.012	0	%100
39	55	Y	-0.018	-0.018	0	%100
40	56	Y	-0.016	-0.016	0	%100
41	57	Y	-0.012	-0.012	0	%100
42	58	Y	-0.016	-0.016	0	%100
43	63	Y	-0.022	-0.022	0	%100
44	64	Y	-0.022	-0.022	0	%100
45	65	Y	-0.008	-0.008	0	%100
46	66	Y	-0.008	-0.008	0	%100
47	67	Y	-0.008	-0.008	0	%100
48	71	Y	-0.016	-0.016	0	%100
49	72	Y	-0.008	-0.008	0	%100
50	73	Y	-0.012	-0.012	0	%100
51	74	Y	-0.016	-0.016	0	%100

Member Distributed Loads (BLC 18 : Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
52	76	Y	-0.016	-0.016	0	%100
53	77	Y	-0.016	-0.016	0	%100
54	79	Y	-0.012	-0.012	0	%100
55	81	Y	-0.008	-0.008	0	%100
56	82	Y	-0.016	-0.016	0	%100
57	83	Y	-0.008	-0.008	0	%100
58	84	Y	-0.016	-0.016	0	%100
59	85	Y	-0.012	-0.012	0	%100
60	86	Y	-0.018	-0.018	0	%100
61	87	Y	-0.016	-0.016	0	%100
62	88	Y	-0.012	-0.012	0	%100
63	89	Y	-0.016	-0.016	0	%100
64	95	Y	-0.012	-0.012	0	%100
65	110	Y	-0.012	-0.012	0	%100
66	111	Y	-0.012	-0.012	0	%100
67	112	Y	-0.013	-0.013	0	%100
68	113	Y	-0.013	-0.013	0	%100
69	114	Y	-0.012	-0.012	0	%100
70	115	Y	-0.012	-0.012	0	%100
71	116	Y	-0.012	-0.012	0	%100
72	117	Y	-0.012	-0.012	0	%100
73	118	Y	-0.012	-0.012	0	%100
74	119	Y	-0.012	-0.012	0	%100
75	132	Y	-0.013	-0.013	0	%100
76	133	Y	-0.013	-0.013	0	%100
77	134	Y	-0.013	-0.013	0	%100
78	135	Y	-0.013	-0.013	0	%100
79	136	Y	-0.012	-0.012	0	%100
80	137	Y	-0.012	-0.012	0	%100
81	138	Y	-0.012	-0.012	0	%100
82	139	Y	-0.012	-0.012	0	%100
83	140	Y	-0.012	-0.012	0	%100
84	141	Y	-0.012	-0.012	0	%100
85	144	Y	-0.013	-0.013	0	%100
86	147	Y	-0.013	-0.013	0	%100
87	150	Y	-0.013	-0.013	0	%100
88	151	Y	-0.013	-0.013	0	%100
89	154	Y	-0.013	-0.013	0	%100
90	157	Y	-0.013	-0.013	0	%100

Member Distributed Loads (BLC 19 : 0 Seismic)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	Z	-0.0016	-0.0016	0	%100
2	2	Z	-0.0016	-0.0016	0	%100
3	3	Z	-0.0003	-0.0003	0	%100
4	4	Z	-0.0003	-0.0003	0	%100
5	5	Z	-0.0003	-0.0003	0	%100
6	9	Z	-0.0008	-0.0008	0	%100
7	10	Z	-0.0007	-0.0007	0	%100
8	11	Z	-0.0008	-0.0008	0	%100
9	13	Z	-0.0008	-0.0008	0	%100
10	14	Z	-0.0007	-0.0007	0	%100
11	15	Z	-0.0008	-0.0008	0	%100
12	18	Z	-0.0003	-0.0003	0	%100
13	19	Z	-0.0003	-0.0003	0	%100

Member Distributed Loads (BLC 19 : 0 Seismic) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
14	20	Z	-0.0003	-0.0003	0	%100
15	21	Z	-0.0008	-0.0008	0	%100
16	22	Z	-0.0007	-0.0007	0	%100
17	23	Z	-0.0008	-0.0008	0	%100
18	24	Z	-0.0008	-0.0008	0	%100
19	25	Z	-0.0007	-0.0007	0	%100
20	26	Z	-0.0008	-0.0008	0	%100
21	29	Z	-0.0015	-0.0015	0	%100
22	32	Z	-0.0016	-0.0016	0	%100
23	33	Z	-0.0016	-0.0016	0	%100
24	34	Z	-0.0003	-0.0003	0	%100
25	35	Z	-0.0003	-0.0003	0	%100
26	36	Z	-0.0003	-0.0003	0	%100
27	40	Z	-0.0008	-0.0008	0	%100
28	41	Z	-0.0003	-0.0003	0	%100
29	42	Z	-0.0007	-0.0007	0	%100
30	43	Z	-0.0008	-0.0008	0	%100
31	45	Z	-0.0008	-0.0008	0	%100
32	46	Z	-0.0008	-0.0008	0	%100
33	48	Z	-0.0007	-0.0007	0	%100
34	50	Z	-0.0003	-0.0003	0	%100
35	51	Z	-0.0008	-0.0008	0	%100
36	52	Z	-0.0003	-0.0003	0	%100
37	53	Z	-0.0008	-0.0008	0	%100
38	54	Z	-0.0007	-0.0007	0	%100
39	55	Z	-0.0015	-0.0015	0	%100
40	56	Z	-0.0008	-0.0008	0	%100
41	57	Z	-0.0007	-0.0007	0	%100
42	58	Z	-0.0008	-0.0008	0	%100
43	63	Z	-0.0016	-0.0016	0	%100
44	64	Z	-0.0016	-0.0016	0	%100
45	65	Z	-0.0003	-0.0003	0	%100
46	66	Z	-0.0003	-0.0003	0	%100
47	67	Z	-0.0003	-0.0003	0	%100
48	71	Z	-0.0008	-0.0008	0	%100
49	72	Z	-0.0003	-0.0003	0	%100
50	73	Z	-0.0007	-0.0007	0	%100
51	74	Z	-0.0008	-0.0008	0	%100
52	76	Z	-0.0008	-0.0008	0	%100
53	77	Z	-0.0008	-0.0008	0	%100
54	79	Z	-0.0007	-0.0007	0	%100
55	81	Z	-0.0003	-0.0003	0	%100
56	82	Z	-0.0008	-0.0008	0	%100
57	83	Z	-0.0003	-0.0003	0	%100
58	84	Z	-0.0008	-0.0008	0	%100
59	85	Z	-0.0007	-0.0007	0	%100
60	86	Z	-0.0015	-0.0015	0	%100
61	87	Z	-0.0008	-0.0008	0	%100
62	88	Z	-0.0007	-0.0007	0	%100
63	89	Z	-0.0008	-0.0008	0	%100
64	95	Z	-0.0005	-0.0005	0	%100
65	110	Z	-0.0005	-0.0005	0	%100
66	111	Z	-0.0005	-0.0005	0	%100
67	112	Z	-0.0008	-0.0008	0	%100
68	113	Z	-0.0008	-0.0008	0	%100

Member Distributed Loads (BLC 19 : 0 Seismic) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
69	114	Z	-0.0007	-0.0007	0	%100
70	115	Z	-0.0007	-0.0007	0	%100
71	116	Z	-0.0007	-0.0007	0	%100
72	117	Z	-0.0007	-0.0007	0	%100
73	118	Z	-0.0007	-0.0007	0	%100
74	119	Z	-0.0007	-0.0007	0	%100
75	132	Z	-0.0008	-0.0008	0	%100
76	133	Z	-0.0008	-0.0008	0	%100
77	134	Z	-0.0008	-0.0008	0	%100
78	135	Z	-0.0008	-0.0008	0	%100
79	136	Z	-0.0004	-0.0004	0	%100
80	137	Z	-0.0004	-0.0004	0	%100
81	138	Z	-0.0004	-0.0004	0	%100
82	139	Z	-0.0004	-0.0004	0	%100
83	140	Z	-0.0004	-0.0004	0	%100
84	141	Z	-0.0004	-0.0004	0	%100
85	144	Z	-0.0008	-0.0008	0	%100
86	147	Z	-0.0008	-0.0008	0	%100
87	150	Z	-0.0008	-0.0008	0	%100
88	151	Z	-0.0008	-0.0008	0	%100
89	154	Z	-0.0008	-0.0008	0	%100
90	157	Z	-0.0008	-0.0008	0	%100

Member Distributed Loads (BLC 20 : 90 Seismic)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	X	-0.0016	-0.0016	0	%100
2	2	X	-0.0016	-0.0016	0	%100
3	3	X	-0.0003	-0.0003	0	%100
4	4	X	-0.0003	-0.0003	0	%100
5	5	X	-0.0003	-0.0003	0	%100
6	9	X	-0.0008	-0.0008	0	%100
7	10	X	-0.0007	-0.0007	0	%100
8	11	X	-0.0008	-0.0008	0	%100
9	13	X	-0.0008	-0.0008	0	%100
10	14	X	-0.0007	-0.0007	0	%100
11	15	X	-0.0008	-0.0008	0	%100
12	18	X	-0.0003	-0.0003	0	%100
13	19	X	-0.0003	-0.0003	0	%100
14	20	X	-0.0003	-0.0003	0	%100
15	21	X	-0.0008	-0.0008	0	%100
16	22	X	-0.0007	-0.0007	0	%100
17	23	X	-0.0008	-0.0008	0	%100
18	24	X	-0.0008	-0.0008	0	%100
19	25	X	-0.0007	-0.0007	0	%100
20	26	X	-0.0008	-0.0008	0	%100
21	29	X	-0.0015	-0.0015	0	%100
22	32	X	-0.0016	-0.0016	0	%100
23	33	X	-0.0016	-0.0016	0	%100
24	34	X	-0.0003	-0.0003	0	%100
25	35	X	-0.0003	-0.0003	0	%100
26	36	X	-0.0003	-0.0003	0	%100
27	40	X	-0.0008	-0.0008	0	%100
28	41	X	-0.0003	-0.0003	0	%100
29	42	X	-0.0007	-0.0007	0	%100
30	43	X	-0.0008	-0.0008	0	%100

Member Distributed Loads (BLC 20 : 90 Seismic) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
31	45	X	-0.0008	-0.0008	0	%100
32	46	X	-0.0008	-0.0008	0	%100
33	48	X	-0.0007	-0.0007	0	%100
34	50	X	-0.0003	-0.0003	0	%100
35	51	X	-0.0008	-0.0008	0	%100
36	52	X	-0.0003	-0.0003	0	%100
37	53	X	-0.0008	-0.0008	0	%100
38	54	X	-0.0007	-0.0007	0	%100
39	55	X	-0.0015	-0.0015	0	%100
40	56	X	-0.0008	-0.0008	0	%100
41	57	X	-0.0007	-0.0007	0	%100
42	58	X	-0.0008	-0.0008	0	%100
43	63	X	-0.0016	-0.0016	0	%100
44	64	X	-0.0016	-0.0016	0	%100
45	65	X	-0.0003	-0.0003	0	%100
46	66	X	-0.0003	-0.0003	0	%100
47	67	X	-0.0003	-0.0003	0	%100
48	71	X	-0.0008	-0.0008	0	%100
49	72	X	-0.0003	-0.0003	0	%100
50	73	X	-0.0007	-0.0007	0	%100
51	74	X	-0.0008	-0.0008	0	%100
52	76	X	-0.0008	-0.0008	0	%100
53	77	X	-0.0008	-0.0008	0	%100
54	79	X	-0.0007	-0.0007	0	%100
55	81	X	-0.0003	-0.0003	0	%100
56	82	X	-0.0008	-0.0008	0	%100
57	83	X	-0.0003	-0.0003	0	%100
58	84	X	-0.0008	-0.0008	0	%100
59	85	X	-0.0007	-0.0007	0	%100
60	86	X	-0.0015	-0.0015	0	%100
61	87	X	-0.0008	-0.0008	0	%100
62	88	X	-0.0007	-0.0007	0	%100
63	89	X	-0.0008	-0.0008	0	%100
64	95	X	-0.0005	-0.0005	0	%100
65	110	X	-0.0005	-0.0005	0	%100
66	111	X	-0.0005	-0.0005	0	%100
67	112	X	-0.0008	-0.0008	0	%100
68	113	X	-0.0008	-0.0008	0	%100
69	114	X	-0.0007	-0.0007	0	%100
70	115	X	-0.0007	-0.0007	0	%100
71	116	X	-0.0007	-0.0007	0	%100
72	117	X	-0.0007	-0.0007	0	%100
73	118	X	-0.0007	-0.0007	0	%100
74	119	X	-0.0007	-0.0007	0	%100
75	132	X	-0.0008	-0.0008	0	%100
76	133	X	-0.0008	-0.0008	0	%100
77	134	X	-0.0008	-0.0008	0	%100
78	135	X	-0.0008	-0.0008	0	%100
79	136	X	-0.0004	-0.0004	0	%100
80	137	X	-0.0004	-0.0004	0	%100
81	138	X	-0.0004	-0.0004	0	%100
82	139	X	-0.0004	-0.0004	0	%100
83	140	X	-0.0004	-0.0004	0	%100
84	141	X	-0.0004	-0.0004	0	%100
85	144	X	-0.0008	-0.0008	0	%100

Member Distributed Loads (BLC 20 : 90 Seismic) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
86	147	X	-0.0008	-0.0008	0	%100
87	150	X	-0.0008	-0.0008	0	%100
88	151	X	-0.0008	-0.0008	0	%100
89	154	X	-0.0008	-0.0008	0	%100
90	157	X	-0.0008	-0.0008	0	%100

Member Distributed Loads (BLC 21 : 0 Wind (Members))

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	Z	-0.0052	-0.0052	0	%100
2	2	Z	-0.0052	-0.0052	0	%100
3	3	Z	-0.0037	-0.0037	0	%100
4	4	Z	-0.0037	-0.0037	0	%100
5	5	Z	-0.0037	-0.0037	0	%100
6	9	Z	-0.0027	-0.0027	0	%100
7	10	Z	-0.0105	-0.0105	0	%100
8	11	Z	-0.0028	-0.0028	0	%100
9	13	Z	-0.0027	-0.0027	0	%100
10	14	Z	-0.0105	-0.0105	0	%100
11	15	Z	-0.0028	-0.0028	0	%100
12	18	Z	-0.0037	-0.0037	0	%100
13	19	Z	-0.0037	-0.0037	0	%100
14	20	Z	-0.0037	-0.0037	0	%100
15	21	Z	-0.0027	-0.0027	0	%100
16	22	Z	-0.0105	-0.0105	0	%100
17	23	Z	-0.0028	-0.0028	0	%100
18	24	Z	-0.0027	-0.0027	0	%100
19	25	Z	-0.0105	-0.0105	0	%100
20	26	Z	-0.0028	-0.0028	0	%100
21	29	Z	-0.0094	-0.0094	0	%100
22	32	Z	-0.0052	-0.0052	0	%100
23	33	Z	-0.0052	-0.0052	0	%100
24	34	Z	-0.0037	-0.0037	0	%100
25	35	Z	-0.0037	-0.0037	0	%100
26	36	Z	-0.0037	-0.0037	0	%100
27	40	Z	-0.0027	-0.0027	0	%100
28	41	Z	-0.0037	-0.0037	0	%100
29	42	Z	-0.0105	-0.0105	0	%100
30	43	Z	-0.0028	-0.0028	0	%100
31	45	Z	-0.0028	-0.0028	0	%100
32	46	Z	-0.0027	-0.0027	0	%100
33	48	Z	-0.0105	-0.0105	0	%100
34	50	Z	-0.0037	-0.0037	0	%100
35	51	Z	-0.0028	-0.0028	0	%100
36	52	Z	-0.0037	-0.0037	0	%100
37	53	Z	-0.0027	-0.0027	0	%100
38	54	Z	-0.0105	-0.0105	0	%100
39	55	Z	-0.0094	-0.0094	0	%100
40	56	Z	-0.0027	-0.0027	0	%100
41	57	Z	-0.0105	-0.0105	0	%100
42	58	Z	-0.0028	-0.0028	0	%100
43	63	Z	-0.0052	-0.0052	0	%100
44	64	Z	-0.0052	-0.0052	0	%100
45	65	Z	-0.0037	-0.0037	0	%100
46	66	Z	-0.0037	-0.0037	0	%100
47	67	Z	-0.0037	-0.0037	0	%100

Member Distributed Loads (BLC 21 : 0 Wind (Members)) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
48	71	Z	-0.0027	-0.0027	0	%100
49	72	Z	-0.0037	-0.0037	0	%100
50	73	Z	-0.0105	-0.0105	0	%100
51	74	Z	-0.0028	-0.0028	0	%100
52	76	Z	-0.0028	-0.0028	0	%100
53	77	Z	-0.0027	-0.0027	0	%100
54	79	Z	-0.0105	-0.0105	0	%100
55	81	Z	-0.0037	-0.0037	0	%100
56	82	Z	-0.0028	-0.0028	0	%100
57	83	Z	-0.0037	-0.0037	0	%100
58	84	Z	-0.0027	-0.0027	0	%100
59	85	Z	-0.0105	-0.0105	0	%100
60	86	Z	-0.0094	-0.0094	0	%100
61	87	Z	-0.0027	-0.0027	0	%100
62	88	Z	-0.0105	-0.0105	0	%100
63	89	Z	-0.0028	-0.0028	0	%100
64	95	Z	-0.0119	-0.0119	0	%100
65	110	Z	-0.0119	-0.0119	0	%100
66	111	Z	-0.0119	-0.0119	0	%100
67	112	Z	-0.0144	-0.0144	0	%100
68	113	Z	-0.0144	-0.0144	0	%100
69	114	Z	-0.0119	-0.0119	0	%100
70	115	Z	-0.0119	-0.0119	0	%100
71	116	Z	-0.0119	-0.0119	0	%100
72	117	Z	-0.0119	-0.0119	0	%100
73	118	Z	-0.0119	-0.0119	0	%100
74	119	Z	-0.0119	-0.0119	0	%100
75	132	Z	-0.0144	-0.0144	0	%100
76	133	Z	-0.0144	-0.0144	0	%100
77	134	Z	-0.0144	-0.0144	0	%100
78	135	Z	-0.0144	-0.0144	0	%100
79	136	Z	-0.0119	-0.0119	0	%100
80	137	Z	-0.0119	-0.0119	0	%100
81	138	Z	-0.0119	-0.0119	0	%100
82	139	Z	-0.0119	-0.0119	0	%100
83	140	Z	-0.0119	-0.0119	0	%100
84	141	Z	-0.0119	-0.0119	0	%100
85	144	Z	-0.0144	-0.0144	0	%100
86	147	Z	-0.0144	-0.0144	0	%100
87	150	Z	-0.0144	-0.0144	0	%100
88	151	Z	-0.0144	-0.0144	0	%100
89	154	Z	-0.0144	-0.0144	0	%100
90	157	Z	-0.0144	-0.0144	0	%100

Member Distributed Loads (BLC 22 : 90 Wind (Members))

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	1	X	-0.0052	-0.0052	0	%100
2	2	X	-0.0052	-0.0052	0	%100
3	3	X	-0.0037	-0.0037	0	%100
4	4	X	-0.0037	-0.0037	0	%100
5	5	X	-0.0037	-0.0037	0	%100
6	9	X	-0.0027	-0.0027	0	%100
7	10	X	-0.0105	-0.0105	0	%100
8	11	X	-0.0028	-0.0028	0	%100
9	13	X	-0.0027	-0.0027	0	%100

Member Distributed Loads (BLC 22 : 90 Wind (Members)) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
10	14	X	-0.0105	-0.0105	0	%100
11	15	X	-0.0028	-0.0028	0	%100
12	18	X	-0.0037	-0.0037	0	%100
13	19	X	-0.0037	-0.0037	0	%100
14	20	X	-0.0037	-0.0037	0	%100
15	21	X	-0.0027	-0.0027	0	%100
16	22	X	-0.0105	-0.0105	0	%100
17	23	X	-0.0028	-0.0028	0	%100
18	24	X	-0.0027	-0.0027	0	%100
19	25	X	-0.0105	-0.0105	0	%100
20	26	X	-0.0028	-0.0028	0	%100
21	29	X	-0.0094	-0.0094	0	%100
22	32	X	-0.0052	-0.0052	0	%100
23	33	X	-0.0052	-0.0052	0	%100
24	34	X	-0.0037	-0.0037	0	%100
25	35	X	-0.0037	-0.0037	0	%100
26	36	X	-0.0037	-0.0037	0	%100
27	40	X	-0.0027	-0.0027	0	%100
28	41	X	-0.0037	-0.0037	0	%100
29	42	X	-0.0105	-0.0105	0	%100
30	43	X	-0.0028	-0.0028	0	%100
31	45	X	-0.0028	-0.0028	0	%100
32	46	X	-0.0027	-0.0027	0	%100
33	48	X	-0.0105	-0.0105	0	%100
34	50	X	-0.0037	-0.0037	0	%100
35	51	X	-0.0028	-0.0028	0	%100
36	52	X	-0.0037	-0.0037	0	%100
37	53	X	-0.0027	-0.0027	0	%100
38	54	X	-0.0105	-0.0105	0	%100
39	55	X	-0.0094	-0.0094	0	%100
40	56	X	-0.0027	-0.0027	0	%100
41	57	X	-0.0105	-0.0105	0	%100
42	58	X	-0.0028	-0.0028	0	%100
43	63	X	-0.0052	-0.0052	0	%100
44	64	X	-0.0052	-0.0052	0	%100
45	65	X	-0.0037	-0.0037	0	%100
46	66	X	-0.0037	-0.0037	0	%100
47	67	X	-0.0037	-0.0037	0	%100
48	71	X	-0.0027	-0.0027	0	%100
49	72	X	-0.0037	-0.0037	0	%100
50	73	X	-0.0105	-0.0105	0	%100
51	74	X	-0.0028	-0.0028	0	%100
52	76	X	-0.0028	-0.0028	0	%100
53	77	X	-0.0027	-0.0027	0	%100
54	79	X	-0.0105	-0.0105	0	%100
55	81	X	-0.0037	-0.0037	0	%100
56	82	X	-0.0028	-0.0028	0	%100
57	83	X	-0.0037	-0.0037	0	%100
58	84	X	-0.0027	-0.0027	0	%100
59	85	X	-0.0105	-0.0105	0	%100
60	86	X	-0.0094	-0.0094	0	%100
61	87	X	-0.0027	-0.0027	0	%100
62	88	X	-0.0105	-0.0105	0	%100
63	89	X	-0.0028	-0.0028	0	%100
64	95	X	-0.0119	-0.0119	0	%100

Member Distributed Loads (BLC 22 : 90 Wind (Members)) (Continued)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
65	110	X	-0.0119	-0.0119	0	%100
66	111	X	-0.0119	-0.0119	0	%100
67	112	X	-0.0144	-0.0144	0	%100
68	113	X	-0.0144	-0.0144	0	%100
69	114	X	-0.0119	-0.0119	0	%100
70	115	X	-0.0119	-0.0119	0	%100
71	116	X	-0.0119	-0.0119	0	%100
72	117	X	-0.0119	-0.0119	0	%100
73	118	X	-0.0119	-0.0119	0	%100
74	119	X	-0.0119	-0.0119	0	%100
75	132	X	-0.0144	-0.0144	0	%100
76	133	X	-0.0144	-0.0144	0	%100
77	134	X	-0.0144	-0.0144	0	%100
78	135	X	-0.0144	-0.0144	0	%100
79	136	X	-0.0119	-0.0119	0	%100
80	137	X	-0.0119	-0.0119	0	%100
81	138	X	-0.0119	-0.0119	0	%100
82	139	X	-0.0119	-0.0119	0	%100
83	140	X	-0.0119	-0.0119	0	%100
84	141	X	-0.0119	-0.0119	0	%100
85	144	X	-0.0144	-0.0144	0	%100
86	147	X	-0.0144	-0.0144	0	%100
87	150	X	-0.0144	-0.0144	0	%100
88	151	X	-0.0144	-0.0144	0	%100
89	154	X	-0.0144	-0.0144	0	%100
90	157	X	-0.0144	-0.0144	0	%100

Node Loads and Enforced Displacements (BLC 23 : Live Load a)

	Node Label	L, D, M	Direction	Magnitude [(k, k-ft), (in, rad), (k*s ² /ft, k*s ² *ft)]
1	189	L	Y	-0.25
2	205	L	Y	-0.25
3	197	L	Y	-0.25

Node Loads and Enforced Displacements (BLC 24 : Live Load b)

	Node Label	L, D, M	Direction	Magnitude [(k, k-ft), (in, rad), (k*s ² /ft, k*s ² *ft)]
1	229	L	Y	-0.25
2	235	L	Y	-0.25
3	241	L	Y	-0.25

Node Loads and Enforced Displacements (BLC 25 : Live Load c)

	Node Label	L, D, M	Direction	Magnitude [(k, k-ft), (in, rad), (k*s ² /ft, k*s ² *ft)]
1	247	L	Y	-0.25
2	253	L	Y	-0.25
3	259	L	Y	-0.25

Node Loads and Enforced Displacements (BLC 26 : Live Load d)

	Node Label	L, D, M	Direction	Magnitude [(k, k-ft), (in, rad), (k*s ² /ft, k*s ² *ft)]
1	185	L	Y	-0.25
2	193	L	Y	-0.25
3	201	L	Y	-0.25

Basic Load Cases

	BLC Description	Category	Y Gravity	Nodal	Point	Distributed
1	Dead	DL	-1		75	
2	0 Wind	WL			75	
3	30 Wind	WL			150	
4	60 Wind	WL			150	
5	90 Wind	WL			75	
6	120 Wind	WL			150	
7	150 Wind	WL			150	
8	180 Wind	WL			75	
9	210 Wind	WL			150	
10	240 Wind	WL			150	
11	270 Wind	WL			75	
12	300 Wind	WL			150	
13	330 Wind	WL			150	
14	0 Wind w/Ice	WL			75	90
15	90 Wind w/Ice	WL			75	90
16	0 Wind Service	WL			75	90
17	90 Wind Service	WL			75	90
18	Ice	OL1			75	90
19	0 Seismic	EL			75	90
20	90 Seismic	EL			75	90
21	0 Wind (Members)	WL				90
22	90 Wind (Members)	WL				90
23	Live Load a	LL		3		
24	Live Load b	LL		3		
25	Live Load c	LL		3		
26	Live Load d	LL		3		
27	Live Load e	LL				
28	Maint LL1	LL			1	
29	Maint LL 2	LL			1	
30	Maint LL 3	LL			1	
31	Maint LL 4	LL			1	
32	Maint LL 5	LL			1	
33	Maint LL 6	LL			1	
34	Maint LL 7	LL			1	
35	Maint LL 8	LL			1	
36	Maint LL 9	LL			1	
37	Maint LL 10	LL			1	
38	Maint LL 11	LL			1	
39	Maint LL 12	LL			1	
40	Maint LL 13	LL			1	
41	Maint LL 14	LL			1	
42	Maint LL 15	LL			1	
43	Maint LL 16	LL			1	
44	Maint LL 17	LL			1	
45	Maint LL 18	LL			1	
46	Maint LL 19	LL				
47	Maint LL 20	LL				

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	1.4 Dead	Yes	Y	1	1.4						
2	1.2 D + 1.0 - 0 W	Yes	Y	1	1.2	2	1	21	1		
3	1.2 D + 1.0 - 30 W	Yes	Y	1	1.2	3	1	21	0.866	22	0.5
4	1.2 D + 1.0 - 60 W	Yes	Y	1	1.2	4	1	22	0.866	21	0.5

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
5	1.2 D + 1.0 - 90 W	Yes	Y	1	1.2	5	1	22	1		
6	1.2 D + 1.0 - 120 W	Yes	Y	1	1.2	6	1	22	0.866	21	-0.5
7	1.2 D + 1.0 - 150 W	Yes	Y	1	1.2	7	1	21	-0.866	22	0.5
8	1.2 D + 1.0 - 180 W	Yes	Y	1	1.2	8	1	21	-1		
9	1.2 D + 1.0 - 210 W	Yes	Y	1	1.2	9	1	21	-0.866	22	-0.5
10	1.2 D + 1.0 - 240 W	Yes	Y	1	1.2	10	1	22	-0.866	21	-0.5
11	1.2 D + 1.0 - 270 W	Yes	Y	1	1.2	11	1	22	-1		
12	1.2 D + 1.0 - 300 W	Yes	Y	1	1.2	12	1	22	-0.866	21	0.5
13	1.2 D + 1.0 - 330 W	Yes	Y	1	1.2	13	1	21	0.866	22	-0.5
14	1.2 D + 1.0 - 0 W/Ice	Yes	Y	1	1.2	14	1			18	1
15	1.2 D + 1.0 - 30 W/Ice	Yes	Y	1	1.2	14	0.866	15	0.5	18	1
16	1.2 D + 1.0 - 60 W/Ice	Yes	Y	1	1.2	15	0.866	14	0.5	18	1
17	1.2 D + 1.0 - 90 W/Ice	Yes	Y	1	1.2	15	1			18	1
18	1.2 D + 1.0 - 120 W/Ice	Yes	Y	1	1.2	15	0.866	14	-0.5	18	1
19	1.2 D + 1.0 - 150 W/Ice	Yes	Y	1	1.2	14	-0.866	15	0.5	18	1
20	1.2 D + 1.0 - 180 W/Ice	Yes	Y	1	1.2	14	-1			18	1
21	1.2 D + 1.0 - 210 W/Ice	Yes	Y	1	1.2	14	-0.866	15	-0.5	18	1
22	1.2 D + 1.0 - 240 W/Ice	Yes	Y	1	1.2	15	-0.866	14	-0.5	18	1
23	1.2 D + 1.0 - 270 W/Ice	Yes	Y	1	1.2	15	-1			18	1
24	1.2 D + 1.0 - 300 W/Ice	Yes	Y	1	1.2	15	-0.866	14	0.5	18	1
25	1.2 D + 1.0 - 330 W/Ice	Yes	Y	1	1.2	14	0.866	15	-0.5	18	1
26	1.2 D + 1.0 E - 0	Yes	Y	1	1.2	19	1				
27	1.2 D + 1.0 E - 30	Yes	Y	1	1.2	19	0.866	20	0.5		
28	1.2 D + 1.0 E - 60	Yes	Y	1	1.2	20	0.866	19	0.5		
29	1.2 D + 1.0 E - 90	Yes	Y	1	1.2	20	1				
30	1.2 D + 1.0 E - 120	Yes	Y	1	1.2	20	0.866	19	-0.5		
31	1.2 D + 1.0 E - 150	Yes	Y	1	1.2	19	-0.866	20	0.5		
32	1.2 D + 1.0 E - 180	Yes	Y	1	1.2	19	-1				
33	1.2 D + 1.0 E - 210	Yes	Y	1	1.2	19	-0.866	20	-0.5		
34	1.2 D + 1.0 E - 240	Yes	Y	1	1.2	20	-0.866	19	-0.5		
35	1.2 D + 1.0 E - 270	Yes	Y	1	1.2	20	-1				
36	1.2 D + 1.0 E - 300	Yes	Y	1	1.2	20	-0.866	19	0.5		
37	1.2 D + 1.0 E - 330	Yes	Y	1	1.2	19	0.866	20	-0.5		
38	1.2 D + 1.5 LL a + Service - 0 W	Yes	Y	1	1.2	16	1			23	1.5
39	1.2 D + 1.5 LL a + Service - 30 W	Yes	Y	1	1.2	16	0.866	17	0.5	23	1.5
40	1.2 D + 1.5 LL a + Service - 60 W	Yes	Y	1	1.2	17	0.866	16	0.5	23	1.5
41	1.2 D + 1.5 LL a + Service - 90 W	Yes	Y	1	1.2	17	1			23	1.5
42	1.2 D + 1.5 LL a + Service - 120 W	Yes	Y	1	1.2	17	0.866	16	-0.5	23	1.5
43	1.2 D + 1.5 LL a + Service - 150 W	Yes	Y	1	1.2	16	-0.866	17	0.5	23	1.5
44	1.2 D + 1.5 LL a + Service - 180 W	Yes	Y	1	1.2	16	-1			23	1.5
45	1.2 D + 1.5 LL a + Service - 210 W	Yes	Y	1	1.2	16	-0.866	17	-0.5	23	1.5
46	1.2 D + 1.5 LL a + Service - 240 W	Yes	Y	1	1.2	17	-0.866	16	-0.5	23	1.5
47	1.2 D + 1.5 LL a + Service - 270 W	Yes	Y	1	1.2	17	-1			23	1.5
48	1.2 D + 1.5 LL a + Service - 300 W	Yes	Y	1	1.2	17	-0.866	16	0.5	23	1.5
49	1.2 D + 1.5 LL a + Service - 330 W	Yes	Y	1	1.2	16	0.866	17	-0.5	23	1.5
50	1.2 D + 1.5 LL b + Service - 0 W	Yes	Y	1	1.2	16	1			24	1.5
51	1.2 D + 1.5 LL b + Service - 30 W	Yes	Y	1	1.2	16	0.866	17	0.5	24	1.5
52	1.2 D + 1.5 LL b + Service - 60 W	Yes	Y	1	1.2	17	0.866	16	0.5	24	1.5
53	1.2 D + 1.5 LL b + Service - 90 W	Yes	Y	1	1.2	17	1			24	1.5
54	1.2 D + 1.5 LL b + Service - 120 W	Yes	Y	1	1.2	17	0.866	16	-0.5	24	1.5
55	1.2 D + 1.5 LL b + Service - 150 W	Yes	Y	1	1.2	16	-0.866	17	0.5	24	1.5
56	1.2 D + 1.5 LL b + Service - 180 W	Yes	Y	1	1.2	16	-1			24	1.5
57	1.2 D + 1.5 LL b + Service - 210 W	Yes	Y	1	1.2	16	-0.866	17	-0.5	24	1.5
58	1.2 D + 1.5 LL b + Service - 240 W	Yes	Y	1	1.2	17	-0.866	16	-0.5	24	1.5
59	1.2 D + 1.5 LL b + Service - 270 W	Yes	Y	1	1.2	17	-1			24	1.5

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
60	1.2 D + 1.5 LL b + Service - 300 W	Yes	Y	1	1.2	17	-0.866	16	0.5	24	1.5
61	1.2 D + 1.5 LL b + Service - 330 W	Yes	Y	1	1.2	16	0.866	17	-0.5	24	1.5
62	1.2 D + 1.5 LL c + Service - 0 W	Yes	Y	1	1.2	16	1			25	1.5
63	1.2 D + 1.5 LL c + Service - 30 W	Yes	Y	1	1.2	16	0.866	17	0.5	25	1.5
64	1.2 D + 1.5 LL c + Service - 60 W	Yes	Y	1	1.2	17	0.866	16	0.5	25	1.5
65	1.2 D + 1.5 LL c + Service - 90 W	Yes	Y	1	1.2	17	1			25	1.5
66	1.2 D + 1.5 LL c + Service - 120 W	Yes	Y	1	1.2	17	0.866	16	-0.5	25	1.5
67	1.2 D + 1.5 LL c + Service - 150 W	Yes	Y	1	1.2	16	-0.866	17	0.5	25	1.5
68	1.2 D + 1.5 LL c + Service - 180 W	Yes	Y	1	1.2	16	-1			25	1.5
69	1.2 D + 1.5 LL c + Service - 210 W	Yes	Y	1	1.2	16	-0.866	17	-0.5	25	1.5
70	1.2 D + 1.5 LL c + Service - 240 W	Yes	Y	1	1.2	17	-0.866	16	-0.5	25	1.5
71	1.2 D + 1.5 LL c + Service - 270 W	Yes	Y	1	1.2	17	-1			25	1.5
72	1.2 D + 1.5 LL c + Service - 300 W	Yes	Y	1	1.2	17	-0.866	16	0.5	25	1.5
73	1.2 D + 1.5 LL c + Service - 330 W	Yes	Y	1	1.2	16	0.866	17	-0.5	25	1.5
74	1.2 D + 1.5 LL d + Service - 0 W	Yes	Y	1	1.2	16	1			26	1.5
75	1.2 D + 1.5 LL d + Service - 30 W	Yes	Y	1	1.2	16	0.866	17	0.5	26	1.5
76	1.2 D + 1.5 LL d + Service - 60 W	Yes	Y	1	1.2	17	0.866	16	0.5	26	1.5
77	1.2 D + 1.5 LL d + Service - 90 W	Yes	Y	1	1.2	17	1			26	1.5
78	1.2 D + 1.5 LL d + Service - 120 W	Yes	Y	1	1.2	17	0.866	16	-0.5	26	1.5
79	1.2 D + 1.5 LL d + Service - 150 W	Yes	Y	1	1.2	16	-0.866	17	0.5	26	1.5
80	1.2 D + 1.5 LL d + Service - 180 W	Yes	Y	1	1.2	16	-1			26	1.5
81	1.2 D + 1.5 LL d + Service - 210 W	Yes	Y	1	1.2	16	-0.866	17	-0.5	26	1.5
82	1.2 D + 1.5 LL d + Service - 240 W	Yes	Y	1	1.2	17	-0.866	16	-0.5	26	1.5
83	1.2 D + 1.5 LL d + Service - 270 W	Yes	Y	1	1.2	17	-1			26	1.5
84	1.2 D + 1.5 LL d + Service - 300 W	Yes	Y	1	1.2	17	-0.866	16	0.5	26	1.5
85	1.2 D + 1.5 LL d + Service - 330 W	Yes	Y	1	1.2	16	0.866	17	-0.5	26	1.5
86	1.2 D + 1.5 LL e + Service - 0 W	Yes	Y	1	1.2	16	1			27	1.5
87	1.2 D + 1.5 LL e + Service - 30 W	Yes	Y	1	1.2	16	0.866	17	0.5	27	1.5
88	1.2 D + 1.5 LL e + Service - 60 W	Yes	Y	1	1.2	17	0.866	16	0.5	27	1.5
89	1.2 D + 1.5 LL e + Service - 90 W	Yes	Y	1	1.2	17	1			27	1.5
90	1.2 D + 1.5 LL e + Service - 120 W	Yes	Y	1	1.2	17	0.866	16	-0.5	27	1.5
91	1.2 D + 1.5 LL e + Service - 150 W	Yes	Y	1	1.2	16	-0.866	17	0.5	27	1.5
92	1.2 D + 1.5 LL e + Service - 180 W	Yes	Y	1	1.2	16	-1			27	1.5
93	1.2 D + 1.5 LL e + Service - 210 W	Yes	Y	1	1.2	16	-0.866	17	-0.5	27	1.5
94	1.2 D + 1.5 LL e + Service - 240 W	Yes	Y	1	1.2	17	-0.866	16	-0.5	27	1.5
95	1.2 D + 1.5 LL e + Service - 270 W	Yes	Y	1	1.2	17	-1			27	1.5
96	1.2 D + 1.5 LL e + Service - 300 W	Yes	Y	1	1.2	17	-0.866	16	0.5	27	1.5
97	1.2 D + 1.5 LL e + Service - 330 W	Yes	Y	1	1.2	16	0.866	17	-0.5	27	1.5
98	1.2 D + 1.5 LL Maint (1)	Yes	Y	1	1.2					28	1.5
99	1.2 D + 1.5 LL Maint (2)	Yes	Y	1	1.2					29	1.5
100	1.2 D + 1.5 LL Maint (3)	Yes	Y	1	1.2					30	1.5
101	1.2 D + 1.5 LL Maint (4)	Yes	Y	1	1.2					31	1.5
102	1.2 D + 1.5 LL Maint (5)	Yes	Y	1	1.2					32	1.5
103	1.2 D + 1.5 LL Maint (6)	Yes	Y	1	1.2					33	1.5
104	1.2 D + 1.5 LL Maint (7)	Yes	Y	1	1.2					34	1.5
105	1.2 D + 1.5 LL Maint (8)	Yes	Y	1	1.2					35	1.5
106	1.2 D + 1.5 LL Maint (9)	Yes	Y	1	1.2					36	1.5
107	1.2 D + 1.5 LL Maint (10)	Yes	Y	1	1.2					37	1.5
108	1.2 D + 1.5 LL Maint (11)	Yes	Y	1	1.2					38	1.5
109	1.2 D + 1.5 LL Maint (12)	Yes	Y	1	1.2					39	1.5
110	1.2 D + 1.5 LL Maint (13)	Yes	Y	1	1.2					40	1.5
111	1.2 D + 1.5 LL Maint (14)	Yes	Y	1	1.2					41	1.5
112	1.2 D + 1.5 LL Maint (15)	Yes	Y	1	1.2					42	1.5
113	1.2 D + 1.5 LL Maint (16)	Yes	Y	1	1.2					43	1.5
114	1.2 D + 1.5 LL Maint (17)	Yes	Y	1	1.2					44	1.5

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
115	1.2 D + 1.5 LL Maint (18)	Yes	Y	1	1.2					45	1.5
116	1.2 D + 1.5 LL Maint (19)	Yes	Y	1	1.2					46	1.5
117	1.2 D + 1.5 LL Maint (20)	Yes	Y	1	1.2					47	1.5

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	44	max	0.777	5	1.267	17	2.497	14	2.414	14	0	117	0.936	11
2		min	-0.832	11	0.301	11	-0.684	8	-0.958	8	0	1	-0.87	5
3	42	max	5.502	7	3.48	15	3.97	12	0.48	10	0	117	3.85	2
4		min	-5.511	13	0.794	9	-5.225	6	-5.866	16	0	1	-3.832	8
5	84	max	5.061	4	3.402	20	3.057	7	4.98	7	0	117	5.106	22
6		min	-6.18	10	0.706	2	-2.544	13	-3.623	13	0	1	-0.252	4
7	89	max	2.157	17	1.24	21	0.988	2	1.141	2	0	117	0.518	11
8		min	-0.309	11	0.264	3	-1.535	8	-1.629	8	0	1	-2.096	17
9	128	max	3.647	13	3.478	24	7.432	2	3.343	16	0	117	1.647	6
10		min	-2.578	7	0.809	6	-6.52	9	-1.355	10	0	1	-5.264	24
11	133	max	0.46	5	1.271	25	0.856	2	1.077	2	0	117	2.038	23
12		min	-2.127	23	0.27	7	-1.532	8	-1.713	8	0	1	-0.616	5
13	Totals:	max	8.441	5	13.888	18	11.379	2						
14		min	-8.441	11	4.288	12	-11.073	8						

Envelope AISC 15TH (360-16): 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	1	PL5/8X6	0.338	0.667	16	0.104	0.667	y	15	94.955	168.75	2.197	21.094	1.526	H1-1b
2	2	PL5/8X6	0.334	0.667	17	0.098	0.667	y	6	94.955	168.75	2.197	21.094	1.604	H1-1b
3	3	3/4"SR	0.163	4.673	23	0.02	0		4	1.116	19.88	0.249	0.249	1	H1-1b*
4	4	3/4"SR	0.488	3	22	0.008	3		3	2.707	19.88	0.249	0.249	1	H1-1a
5	5	3/4"SR	0.386	3	24	0.025	3		6	2.707	19.88	0.249	0.249	1	H1-1a
6	9	PL1/2X311/16	0.207	0.227	23	0.115	0	y	4	80.831	82.969	0.864	6.374	1.661	H1-1b
7	10	HSS2.375X0.218	0.3	3.633	11	0.08	3.75		24	48.725	62.55	3.6	3.6	1	H1-1b
8	11	PL1/2X311/16	0.306	0	23	0.109	0.276	y	25	79.835	82.969	0.864	6.374	1.047	H1-1b
9	13	PL1/2X311/16	0.213	0.227	23	0.059	0	y	51	80.831	82.969	0.864	6.374	1.661	H1-1b
10	14	HSS2.375X0.218	0.174	2.383	11	0.088	3.75		16	48.725	62.55	3.6	3.6	1	H1-1b
11	15	PL1/2X311/16	0.297	0	23	0.156	0.276	y	4	79.835	82.969	0.864	6.374	1.136	H1-1b
12	18	3/4"SR	0.16	4.673	17	0.029	0		12	1.116	19.88	0.249	0.249	1	H1-1b*
13	19	3/4"SR	0.499	3	17	0.007	0		8	2.707	19.88	0.249	0.249	1	H1-1a
14	20	3/4"SR	0.374	3	19	0.03	0		11	2.707	19.88	0.249	0.249	1	H1-1a
15	21	PL1/2X311/16	0.181	0.227	17	0.196	0	y	12	80.831	82.969	0.864	6.374	1.662	H1-1b
16	22	HSS2.375X0.218	0.247	3.75	6	0.077	3.75		19	48.725	62.55	3.6	3.6	1	H1-1b
17	23	PL1/2X311/16	0.293	0	17	0.108	0	y	19	79.835	82.969	0.864	6.374	1.033	H1-1b
18	24	PL1/2X311/16	0.191	0.227	17	0.077	0	y	13	80.831	82.969	0.864	6.374	1.661	H1-1b
19	25	HSS2.375X0.218	0.202	3.75	12	0.083	3.75		15	48.725	62.55	3.6	3.6	1	H1-1b
20	26	PL1/2X311/16	0.29	0	17	0.119	0	y	24	79.835	82.969	0.864	6.374	1.054	H1-1b
21	29	HSS4.500X0.237	0.368	5.396	18	0.284	5.396		7	79.658	93.24	10.579	10.579	1	H1-1b
22	32	PL5/8X6	0.339	0.667	15	0.103	0.667	y	18	94.955	168.75	2.197	21.094	1.623	H1-1b
23	33	PL5/8X6	0.325	0.667	21	0.105	0.667	y	10	94.955	168.75	2.197	21.094	1.594	H1-1b
24	34	3/4"SR	0.164	4.673	15	0.021	0		2	1.116	19.88	0.249	0.249	1	H1-1b*
25	35	3/4"SR	0.488	3	15	0.01	3		7	2.707	19.88	0.249	0.249	1	H1-1a
26	36	3/4"SR	0.388	3	15	0.038	0		3	2.707	19.88	0.249	0.249	1	H1-1a
27	40	PL1/2X311/16	0.21	0.227	15	0.135	0	y	8	80.831	82.969	0.864	6.374	1.662	H1-1b
28	41	3/4"SR	0.485	3	21	0.009	3		7	2.707	19.88	0.249	0.249	1	H1-1a
29	42	HSS2.375X0.218	0.369	3.633	3	0.08	3.75		16	48.725	62.55	3.6	3.6	1	H1-1b
30	43	PL1/2X311/16	0.336	0	3	0.107	0.276	y	18	79.835	82.969	0.864	6.374	1.023	H1-1b

Envelope AISC 15TH (360-16): 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
31	45	PL1/2X311/16	0.301	0	15	0.162	0.276	y	7	79.835	82.969	0.864		6.374	1.075	H1-1b					
32	46	PL1/2X311/16	0.215	0.227	15	0.121	0	y	9	80.831	82.969	0.864		6.374	1.661	H1-1b					
33	48	HSS2.375X0.218	0.176	3.672	3	0.088	3.75		19	48.725	62.55	3.6		3.6	1	H1-1b					
34	50	3/4"SR	0.157	4.673	21	0.026	0		4	1.116	19.88	0.249		0.249	1	H1-1b*					
35	51	PL1/2X311/16	0.288	0	21	0.139	0.276	y	12	79.835	82.969	0.864		6.374	1.033	H1-1b					
36	52	3/4"SR	0.365	0	21	0.04	0		3	2.707	19.88	0.249		0.249	1	H1-1a					
37	53	PL1/2X311/16	0.185	0.227	21	0.219	0	y	5	80.831	82.969	0.864		6.374	1.662	H1-1b					
38	54	HSS2.375X0.218	0.262	3.75	3	0.074	3.75		23	48.725	62.55	3.6		3.6	1	H1-1b					
39	55	HSS4.500X0.237	0.363	5.396	21	0.237	5.396		10	79.658	93.24	10.579		10.579	1	H1-1b					
40	56	PL1/2X311/16	0.193	0.227	21	0.055	0	y	64	80.831	82.969	0.864		6.374	1.66	H1-1b					
41	57	HSS2.375X0.218	0.166	3.672	9	0.08	3.75		20	48.725	62.55	3.6		3.6	1	H1-1b					
42	58	PL1/2X311/16	0.283	0	21	0.118	0	y	16	79.835	82.969	0.864		6.374	1.051	H1-1b					
43	63	PL5/8X6	0.342	0.667	25	0.105	0.667	y	23	94.955	168.75	2.197		21.094	1.551	H1-1b					
44	64	PL5/8X6	0.344	0.667	25	0.104	0.667	y	2	94.955	168.75	2.197		21.094	1.581	H1-1b					
45	65	3/4"SR	0.164	4.673	19	0.021	0		7	1.116	19.88	0.249		0.249	1	H1-1b*					
46	66	3/4"SR	0.488	3	19	0.011	3		12	2.707	19.88	0.249		0.249	1	H1-1a					
47	67	3/4"SR	0.394	3	20	0.041	3		8	2.707	19.88	0.249		0.249	1	H1-1a					
48	71	PL1/2X311/16	0.212	0.227	19	0.123	0	y	13	80.831	82.969	0.864		6.374	1.662	H1-1b					
49	72	3/4"SR	0.506	3	25	0.008	3		12	2.707	19.88	0.249		0.249	1	H1-1a					
50	73	HSS2.375X0.218	0.372	3.633	7	0.081	3.75		20	48.725	62.55	3.6		3.6	1	H1-1b					
51	74	PL1/2X311/16	0.343	0	7	0.107	0.276	y	21	79.835	82.969	0.864		6.374	1.025	H1-1b					
52	76	PL1/2X311/16	0.3	0	19	0.187	0.276	y	11	79.835	82.969	0.864		6.374	1.121	H1-1b					
53	77	PL1/2X311/16	0.216	0.227	19	0.104	0	y	3	80.831	82.969	0.864		6.374	1.661	H1-1b					
54	79	HSS2.375X0.218	0.193	2.383	7	0.089	3.75		23	48.725	62.55	3.6		3.6	1	H1-1b					
55	81	3/4"SR	0.162	4.673	25	0.031	0		8	1.116	19.88	0.249		0.249	1	H1-1b*					
56	82	PL1/2X311/16	0.312	0	13	0.108	0	y	16	79.835	82.969	0.864		6.374	1.024	H1-1b					
57	83	3/4"SR	0.383	3	15	0.041	0		8	2.707	19.88	0.249		0.249	1	H1-1a					
58	84	PL1/2X311/16	0.187	0.227	25	0.217	0	y	9	80.831	82.969	0.864		6.374	1.663	H1-1b					
59	85	HSS2.375X0.218	0.33	3.75	13	0.077	3.75		15	48.725	62.55	3.6		3.6	1	H1-1b					
60	86	HSS4.500X0.237	0.375	5.396	14	0.334	5.396		2	79.658	93.24	10.579		10.579	1	H1-1b					
61	87	PL1/2X311/16	0.193	0.227	25	0.112	0	y	8	80.831	82.969	0.864		6.374	1.662	H1-1b					
62	88	HSS2.375X0.218	0.215	3.75	8	0.083	3.75		24	48.725	62.55	3.6		3.6	1	H1-1b					
63	89	PL1/2X311/16	0.296	0	25	0.121	0	y	20	79.835	82.969	0.864		6.374	1.047	H1-1b					
64	95	HSS2.375X0.154	0.176	0	5	0.025	6.202		4	23.587	45	2.674		2.674	1	H1-1b*					
65	110	HSS2.375X0.154	0.246	3.037	9	0.033	0		8	23.587	45	2.674		2.674	1	H1-1a					
66	111	HSS2.375X0.154	0.258	3.037	13	0.031	6.202		13	23.587	45	2.674		2.674	1	H1-1a					
67	112	PIPE 2.5	0.189	5.047	8	0.093	4.958		2	28.077	50.715	3.596		3.596	1	H1-1b					
68	113	PIPE 2.5	0.235	4.339	8	0.121	4.25		2	28.077	50.715	3.596		3.596	1	H1-1b					
69	114	HSS2.375X0.218	0.607	2.438	12	0.228	2.438		11	7.649	62.55	3.6		3.6	1	H1-1a					
70	115	HSS2.375X0.218	0.491	2.573	8	0.124	2.438		9	7.649	62.55	3.6		3.6	1	H1-1a					
71	116	HSS2.375X0.218	0.678	2.438	3	0.307	2.302		3	7.649	62.55	3.6		3.6	1	H1-1a					
72	117	HSS2.375X0.218	0.357	2.573	13	0.122	2.438		2	7.649	62.55	3.6		3.6	1	H1-1a					
73	118	HSS2.375X0.218	0.793	2.438	8	0.306	2.302		7	7.649	62.55	3.6		3.6	1	H1-1a					
74	119	HSS2.375X0.218	0.395	10.427	3	0.121	10.563		3	7.649	62.55	3.6		3.6	1	H1-1a					
75	132	PIPE 2.5	0.287	4.339	8	0.103	4.25		3	28.077	50.715	3.596		3.596	1	H1-1b					
76	133	PIPE 2.5	0.235	4.339	2	0.079	4.25		10	28.077	50.715	3.596		3.596	1	H1-1b					
77	134	PIPE 2.5	0.21	4.516	2	0.072	4.427		7	28.077	50.715	3.596		3.596	1	H1-1b					
78	135	PIPE 2.5	0.235	4.339	8	0.105	1.417		7	28.077	50.715	3.596		3.596	1	H1-1b					
79	136	PIPE 2.375X0.120	0.272	3.719	11	0.06	3.828		11	7.711	35.195	2.107		2.107	1	H1-1b					
80	137	PIPE 2.375X0.120	0.214	6.781	5	0.061	6.672		11	7.711	35.195	2.107		2.107	1	H1-1b					
81	138	PIPE 2.375X0.120	0.273	3.719	11	0.078	3.828		3	7.711	35.195	2.107		2.107	1	H1-1b					
82	139	PIPE 2.375X0.120	0.214	6.781	11	0.076	6.672		2	7.711	35.195	2.107		2.107	1	H1-1b					
83	140	PIPE 2.375X0.120	0.272	3.719	5	0.083	3.828		7	7.711	35.195	2.107		2.107	1	H1-1b					
84	141	PIPE 2.375X0.120	0.213	6.781	5	0.085	6.672		7	7.711	35.195	2.107		2.107	1	H1-1b					
85	144	PIPE 2.5	0.205	3.542	11	0.083	3.542		11	22.373	50.715	3.596		3.596	1	H1-1b					

Envelope AISC 15TH (360-16): 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
86 147	PIPE 2.5	0.282	3.542	3	0.117	3.542	2	22.373	50.715	3.596	3.596	1	H1-1b
87 150	PIPE 2.5	0.308	3.542	7	0.123	3.542	7	22.373	50.715	3.596	3.596	1	H1-1b
88 151	PIPE 2.5	0.198	2.531	5	0.084	2.531	5	26.137	50.715	3.596	3.596	1	H1-1b
89 154	PIPE 2.5	0.27	2.531	9	0.113	2.531	9	26.137	50.715	3.596	3.596	1	H1-1b
90 157	PIPE 2.5	0.295	2.531	13	0.125	2.531	13	26.137	50.715	3.596	3.596	1	H1-1b

APPENDIX B

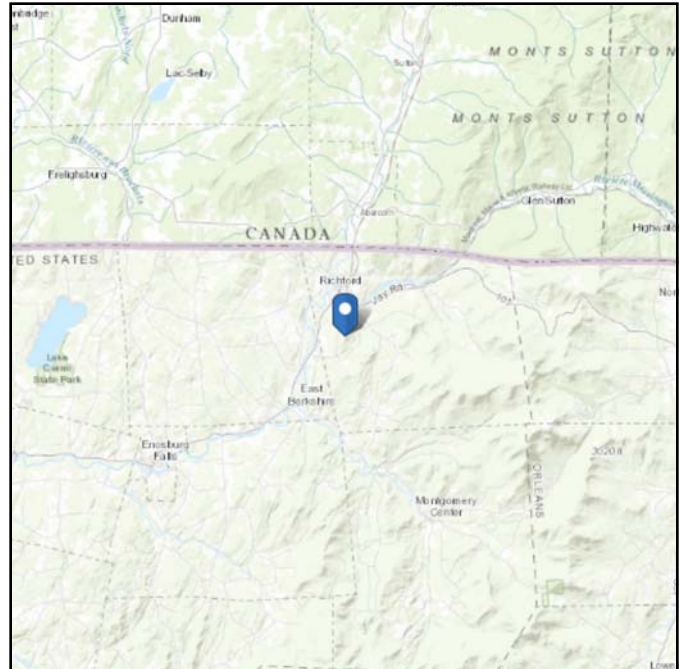
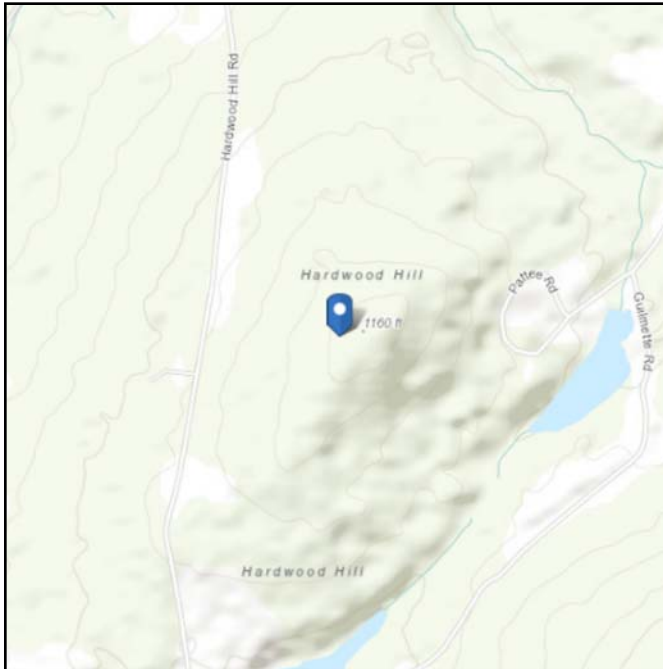
(Additional Calculations)

ASCE Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see
Section 11.4.3)

Latitude: 44.969805
Longitude: -72.67
Elevation: 1114.3303774695946 ft
(NAVD 88)



Wind

Results:

Wind Speed	107 Vmph
10-year MRI	73 Vmph
25-year MRI	80 Vmph
50-year MRI	84 Vmph
100-year MRI	89 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Wed Feb 05 2025

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 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

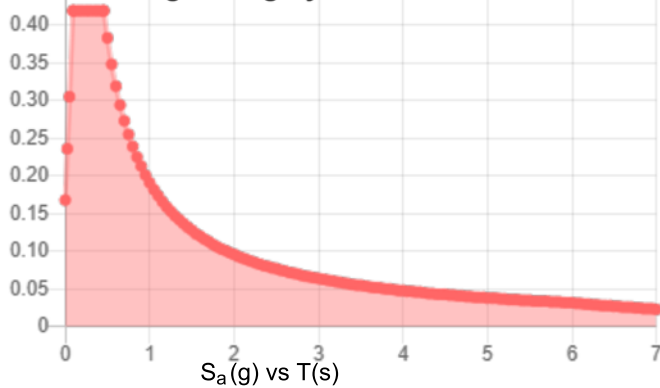
Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Site Soil Class: D - Default (see Section 11.4.3)

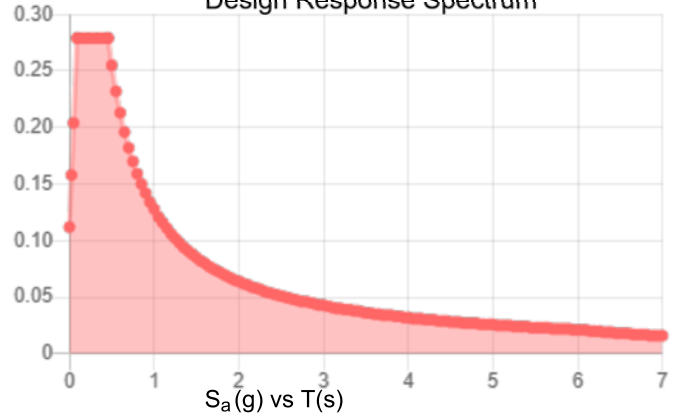
Results:

S_S :	0.264	S_{D1} :	0.128
S_1 :	0.08	T_L :	6
F_a :	1.589	PGA :	0.147
F_v :	2.4	PGA _M :	0.221
S_{MS} :	0.419	F_{PGA} :	1.506
S_{M1} :	0.191	I_e :	1
S_{DS} :	0.279	C_v :	0.827

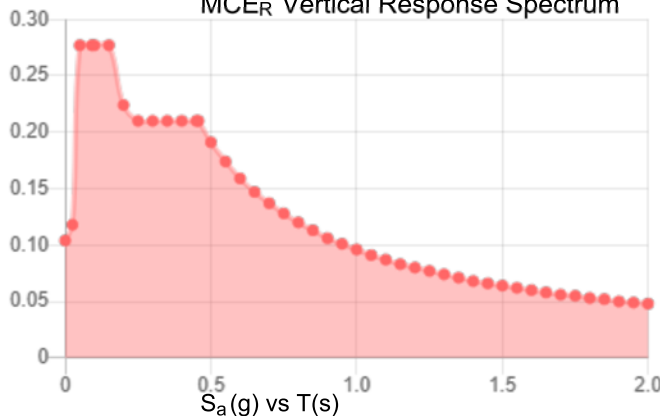
Seismic Design Category: B MCE_R Response Spectrum



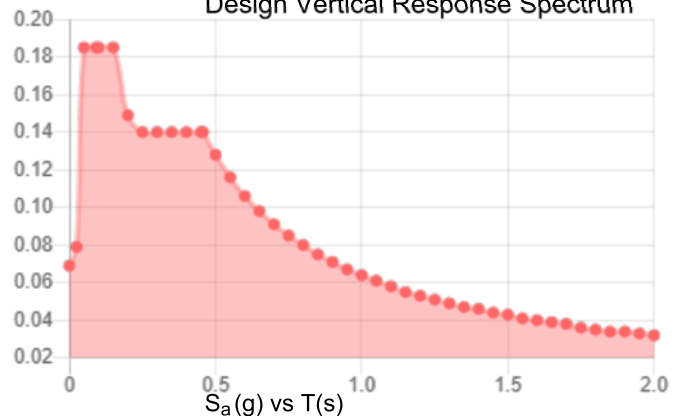
Design Response Spectrum



MCE_R Vertical Response Spectrum



Design Vertical Response Spectrum



Data Accessed: Wed Feb 05 2025

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.

Ice

Results:

Ice Thickness: 1.50 in.
Concurrent Temperature: -5 F
Gust Speed 40 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Wed Feb 05 2025

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

In the Appalachian Mountains, ice thicknesses may vary significantly over short distances.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE standard.

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PROJECT	174472.001.01.0003 - Richford Hardw KSC		
SUBJECT	Sector Mount Analysis		
DATE	03/25/25		



B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Tower Type	:	Monopole		
Ground Elevation	z_s	: 1114	ft	[ASCE7 Hazard Tool]
Tower Height	:	139.00	ft	
Mount Elevation	:	136.00	ft	
Antenna Elevation	:	138.50	ft	
Crest Height	:	645	ft	
Risk Category	:	II		[Table 2-1]
Exposure Category	:	B		[Sec. 2.6.5.1.2]
Topography Category	:	5.00		[Sec. 2.6.6.2]
Wind Velocity	V	: 107	mph	[ASCE7 Hazard Tool]
Ice wind Velocity	V_i	: 40	mph	[ASCE7 Hazard Tool]
Service Velocity	V_s	: 30	mph	[ASCE7 Hazard Tool]
Base Ice thickness	t_i	: 1.50	in	[ASCE7 Hazard Tool]
Seismic Design Cat.	:	B		[ASCE7 Hazard Tool]
	S_s	: 0.26		
	S_1	: 0.08		
	S_{DS}	: 0.28		
	S_{D1}	: 0.13		
Gust Factor	G_h	: 1.00		[Sec. 16.6]
Pressure Coefficient	K_z	: 1.08		[Sec. 2.6.5.2]
Topography Facto	K_{zt}	: 1.91		[Sec. 2.6.6]
Elevation Factor	K_e	: 0.96		[Sec. 2.6.8]
Directionality Factor	K_d	: 0.95		[Sec. 16.6]
Shielding Factor	K_a	: 0.90		[Sec. 16.6]
Design Ice Thickness	t_{iz}	: 2.17	in	[Sec. 2.6.10]
Importance Factor	I_e	: 1		[Table 2-3]
Response Coefficient	C_s	: 0.140		[Sec. 2.7.7.1]
Amplification	A_s	: 1		[Sec. 16.7]
	q_z	: 55.17	psf	

PROJECT	174472.001.01.0003 - Richford Hardw KSC	
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DATE	03/25/25	

Bolded Equipment EPA has been adjusted per wind tunnel & CFD testing



B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
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B+T GRP

Manufacturer	Model	Qty	Height (in ²)	Width (in ²)	Depth (in ²)	Weight (lbs)	C _a A _a (N) (ft ²)	C _a A _a (T) (ft ²)	C _a A _a (N) Ice (ft ²)	C _a A _a (T) Ice (ft ²)	F _A (N) (k)	F _A (T) (k)	F _A (N) Ice (k)	F _A (T) Ice (k)
CCI ANTENNAS	TPA65R-BU8DA-K	0.5	96.0	20.7	7.7	102.1	11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
CCI ANTENNAS	TPA65R-BU8DA-K	0.5					11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
ERICSSON	AIR 6472 B77G B77M	0.5	36.4	16.1	7.5	92.6	2.47	0.83	4.17	2.85	0.14	0.05	0.02	0.02
ERICSSON	AIR 6472 B77G B77M	0.5					2.47	0.83	4.17	2.85	0.14	0.05	0.02	0.02
CCI ANTENNAS	DMP65R-BU8DA-K	0.5	96.0	20.7	7.7	110.7	11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
CCI ANTENNAS	DMP65R-BU8DA-K	0.5					11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
ERICSSON	4478 B14	1	16.5	7.7	13.4	59.9	1.27	2.21	2.51	3.70	0.05	0.09	0.01	0.02
ERICSSON	8843 B2/B66A	1	15.0	11.1	13.2	75.0	1.66	1.97	2.98	3.38	0.07	0.08	0.02	0.02
RAYCAP	DC9-48-60-24-8C-EV	1	31.4	10.2	10.2	26.2	0.59	0.59	0.95	0.95	0.06	0.06	0.01	0.01
ERICSSON	4415 B30	1	16.5	5.9	13.4	46.0	1.00	2.21	2.18	3.70	0.04	0.09	0.01	0.02
ERICSSON	4490 B5/B12A	1	20.6	7.0	15.6	65.0	1.49	3.21	2.92	4.97	0.06	0.13	0.02	0.03
CCI ANTENNAS	TPA65R-BU8DA-K	0.5	96.0	20.7	7.7	102.1	11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
CCI ANTENNAS	TPA65R-BU8DA-K	0.5					11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
ERICSSON	AIR 6472 B77G B77M	0.5	36.4	16.1	7.5	92.6	2.47	0.83	4.17	2.85	0.14	0.05	0.02	0.02
ERICSSON	AIR 6472 B77G B77M	0.5					2.47	0.83	4.17	2.85	0.14	0.05	0.02	0.02
CCI ANTENNAS	DMP65R-BU8DA-K	0.5	96.0	20.7	7.7	110.7	11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
CCI ANTENNAS	DMP65R-BU8DA-K	0.5					11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05

PROJECT	174472.001.01.0003 - Richford Hardw KSC	
SUBJECT	Sector Mount Analysis	
DATE	03/25/25	

Bolded Equipment EPA has been adjusted per wind tunnel & CFD testing



B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

B+T GRP

Manufacturer	Model	Qty	Height	Width	Depth	Weight	C _a A _a (N) (ft ²)	C _a A _a (T) (ft ²)	C _a A _a (N) Ice (ft ²)	C _a A _a (T) Ice (ft ²)	F _A (N) (k)	F _A (T) (k)	F _A (N) Ice (k)	F _A (T) (k)
ERICSSON	4478 B14	1	16.5	7.7	13.4	59.9	1.27	2.21	2.51	3.70	0.05	0.09	0.01	0.02
ERICSSON	8843 B2/B66A	1	15.0	11.1	13.2	75.0	1.66	1.97	2.98	3.38	0.07	0.08	0.02	0.02
RAYCAP	DC9-48-60-24-8C-EV	1	31.4	10.2	10.2	26.2	0.59	0.59	0.95	0.95	0.06	0.06	0.01	0.01
ERICSSON	4415 B30	1	16.5	5.9	13.4	46.0	1.00	2.21	2.18	3.70	0.04	0.09	0.01	0.02
ERICSSON	4490 B5/B12A	1	20.6	7.0	15.6	65.0	1.49	3.21	2.92	4.97	0.06	0.13	0.02	0.03
CCI ANTENNAS	TPA65R-BU8DA-K	0.5	96.0	20.7	7.7	102.1	11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
CCI ANTENNAS	TPA65R-BU8DA-K	0.5					11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
ERICSSON	AIR 6472 B77G B77M	0.5	36.4	16.1	7.5	92.6	2.47	0.83	4.17	2.85	0.14	0.05	0.02	0.02
ERICSSON	AIR 6472 B77G B77M	0.5					2.47	0.83	4.17	2.85	0.14	0.05	0.02	0.02
CCI ANTENNAS	DMP65R-BU8DA-K	0.5	96.0	20.7	7.7	110.7	11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
CCI ANTENNAS	DMP65R-BU8DA-K	0.5					11.57	6.43	14.63	10.50	0.45	0.20	0.08	0.05
ERICSSON	4478 B14	1		7.7	13.4	59.9	1.27	2.21	2.51	3.70	0.05	0.09	0.01	0.02
ERICSSON	8843 B2/B66A	1	15.0	11.1	13.2	75.0	1.66	1.97	2.98	3.38	0.07	0.08	0.02	0.02
ERICSSON	4415 B30	1	16.5	5.9	13.4	46.0	1.00	2.21	2.18	3.70	0.04	0.09	0.01	0.02
ERICSSON	4490 B5/B12A	1	20.6	7.0	15.6	65.0	1.49	3.21	2.92	4.97	0.06	0.13	0.02	0.03

174472.001.01.0003 - Richford Hardwood Hill Road, VT
Sector Mount Analysis
03/25/25



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[illegible]

PROJECT	174472.001.01.0003 - Richford Hardv KSC			
SUBJECT	Sector Mount Analysis			
DATE	04/02/25	PAGE	1	OF 1

[REF: AISC 360-05]

Reactions at Bolted Connection

Tension	:	5.225	k
Vertical Shear	:	3.48	k
Horizontal Shear	:	5.511	k
Torsion	:	3.85	k.ft
Moment from Horizontal Forces	:	0	k.ft
Moment from Vertical Forces	:	5.866	k.ft

Bolt Parameters

Bolt Grade	:	Other	Input	Tensile Stress	Fu	:	69.00	ksi	[AISC Table 2-5]
Bolt Diameter	:	0.625	in						
Nominal Bolt Area	:	0.306796	in ²						
Bolt spacing, Horizontal	:	5.1875	in						
Bolt spacing, Vertical	:	9.25	in						
Bolt edge distance, plate height	:	1	in						
Bolt edge distance, plate width	:	2	in						
Total Number of Bolts	:	4	bolts						

Summary of Forces

Shear Resultant Force	:	6.52	k
Force from Horz. Moment	:	0.00	k
Force from Vert. Moment	:	7.13	k
Shear Load / Bolt	:	1.63	k
Tension Load / Bolt	:	1.31	k
Resultant from Moments / Bolt	:	3.56	k

Bolt Checks

Nominal Tensile Stress, F_{nt}	:	51.75	ksi	[AISC Table J3.2]
Available Tensile Stress, ΦR_{nt}	:	11.91	k/bolt	[Eq. J3-1]
Unity Check, Bolt Tension	:	40.90%	OKAY	
Nominal Shear Stress, F_{nv}	:	31.05	ksi	[AISC Table J3.2]
Available Shear Stress, ΦR_{nv}	:	7.14	k/bolt	[Eq. J3-1]
Unity Check, Bolt Shear	:	41.09%	OKAY	
Unity Check, Combined	:	81.99%	OKAY	
Available Bearing Strength, ΦR_n	:	50.98	k/bolt	
Unity Check, Bolt Bearing	:	3.20%	OKAY	