T-Mobile

1400 OPUS Place
Downers Grove, IL60515

WESTIN
Engineering Consultants, Ltd
Professional & Structural Design Firm
License # 184.007975-0006

Contact: Ali Benhamida
Phone: 773-551-9814
Email: A&E@westinengineering.com

Date: **June 9, 2025**

Mount Analysis Report

Site ID:	ML93776A
Site Name:	USC LAKE WASEECHA
Location:	2710 64TH STREET SOUTH WISCONSIN RAPIDS, WI 54494, Wood County
Latitude:	44.3704°
Longitude:	-89.7463°
Mount Information:	8' Antenna Platform
Structure Information:	181' Monopole

Dear Mr. Fairchild,

Westin Engineering Consultants is pleased to submit this "Mount Analysis Report" to determine the structural integrity of T-Mobile's antenna mounting system with the proposed appurtenance and equipment addition. Analysis of the existing supporting structure is not part of this analysis. Analysis of the antenna mounting system as a tie-off point is not part of this document.

Based on our analysis, we have determined the adequacy of the mounting system that will support the existing and proposed loading to be:

ANALYSIS RESULTS

Mount Components Passing at:	**84.1%**	**Sufficient Capacity**

The analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 107 mph.

Respectfully submitted by:

Ali Benhamida

WESTIN
Engineering Consultants, Ltd.
Phone: (773) 551-9814
Email: ali@westinengineering.com

WISCONSIN
RASHID AHMED
E-26737
ELGIN, ILLINOIS
PROFESSIONAL ENGINEER
EXP: 07/31/2026

THE CALCULATIONS INCLUDED HEREIN AS LISTED ABOVE, WERE PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, AND, TO THE BEST OF MY KNOWLEDGE, COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND ORDINANCES.

INTRODUCTION

The existing mounting system under consideration is Commscope MC-PK8.

ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	107 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Maintenance Loading Wind Speed:	30 mph
Maintenance Load at Mid/End-Points, L_v:	250 lb
Maintenance Load at Mount Pipes, L_m:	500 lb

FINAL EQUIPMENT CONFIGURATION

Mounting Level (ft)	RAD Elevation (ft)	Qty.	Manufacturer	Equipment	Existing/ Proposed	Cables
129.0	129.0	1	Commscope	VHLPX3-11W	E	(2) MW Dish Cables (E)
		1	Ceragon	FibeAIR RFU-C	E	
		3	Nokia	AHLOA	E	(1) HCS 2.0 (E) **(1) 6x24 HCS Trunks (P)** **(5) MW Dish Cables (P)**
		1	Alliance	HCS 2.0 Pendant	E	
		3	Commscope	FFHH-65C-R3	E	
		1	**MTI Wireless**	**MT1180M50**	**P**	
		1	**Ceragon**	**IP20D-HP11-80X-A_4501**	**P**	
		1	**Ceragon**	**IP-50E**	**P**	
		3	**Nokia**	**AEHC**	**P**	
		3	**Nokia**	**AHFII**	**P**	

DOCUMENTS PROVIDED

Document	Remarks	Source
Construction Drawings	Prelims, dated 05/19/2025	Westin
RFDS	Version 2, dated 09/19/2024	T-Mobile
Previous MA	B+T Group, dated 11/03/2020	T-Mobile

ANALYSIS METHOD

RISA-3D (version 17.4), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases.

Considered Steel Grades in software as applicable, unless noted otherwise:

a) Channel, Solid Round, Angle, Plate, Unistrut	ASTM A36 (GR 36)
b) Pipe	ASTM A53 (GR 35)
c) HSS (Rectangular)	ASTM 500 (GR B-46)
d) HSS (Round)	ASTM 500 (GR B-42)
e) Threaded Rods	ASTM A36 (GR 36)
f) Connection Bolts	ASTM A325
g) U-Bolts	SAE J429 (GR 2)

ANALYSIS RESULTS

Mount Component Capacity

Notes	Component	% Capacity	Pass / Fail
1	Mount Pipe	55.2	Pass
1	Bracing Members	65.5	Pass
1	Face Horizontals	19.0	Pass
1	Standoff Members	84.1	Pass

Mount Rating (max from all components) =	84.1%

Notes:
1) See additional documentation in “Structural Calculations” for calculations supporting the % capacity consumed.

RECOMMENDATIONS

The mounting system has sufficient capacity to carry the proposed loading configuration.
No modifications are required at this time.

ASSUMPTIONS AND DISCLAIMERS

1) All member connections have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report. All U-Bolt connections have been properly tightened per AISC methods. This analysis will be required to be revised if the existing conditions in the field differ from those shown in the referenced documents or assumed in this analysis.
2) Capacity of the structural members is based on theoretical values as shown in the design loading calculations. No allowance was made for any damaged, missing, or rusted members. Contractor shall notify EOR if the field conditions are different.
3) All antenna pipe mounts and mounting system shall be properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications and all bolts are tightened as specified by the manufacturer and AISC requirements.
4) Contractor shall follow all safety instruction and procedures as per OSHA's requirement. Westin Engineering Consultants will not be held liable or responsible for damages and injuries originating from construction error.
5) Contractor shall be responsible for means and methods of construction.

STANDARD CONDITIONS FOR THE PROVISION OF PROFESSIONAL ENGINEERING SERVICES ON EXISTING MOUNTS BY WESTIN ENGINEERING CONSULTANTS, LTD

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessarily limited to:

- Information from quality documents and/or drawings in the possession of Westin Engineering, or acquired from field inspections. This includes but not limited to site data, mapping report, existing/proposed appurtenance loading.
- All prior structural modifications if applicable are assumed to be as per data supplied/available, and to have been properly installed and to be fully effective.
- This structural analysis by Westin Engineering Consultants verifies only the capacity of the main structural components of the tower. Westin Engineering Consultants provides a limited scope of service in that we cannot check the adequacy of every structural sub-element, bolt, weld, plate connection, etc. All the sub-elements are assumed to develop at least the member capacity, unless determined otherwise and explicitly stated in this report.
- In absence of original information, some assumptions could be made regarding an attachment or antenna and their projected areas based on best interpretation of data supplied and of best knowledge of antenna type & industry practice.

It is the responsibility of the client to ensure that the information provided to, and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, Westin Engineering assume that all structures were constructed in accordance with the drawings and specifications provided, and are in non-corroded condition and have not deteriorated.
Therefore, we assume that the member capacities have not changed from the “as new” condition.

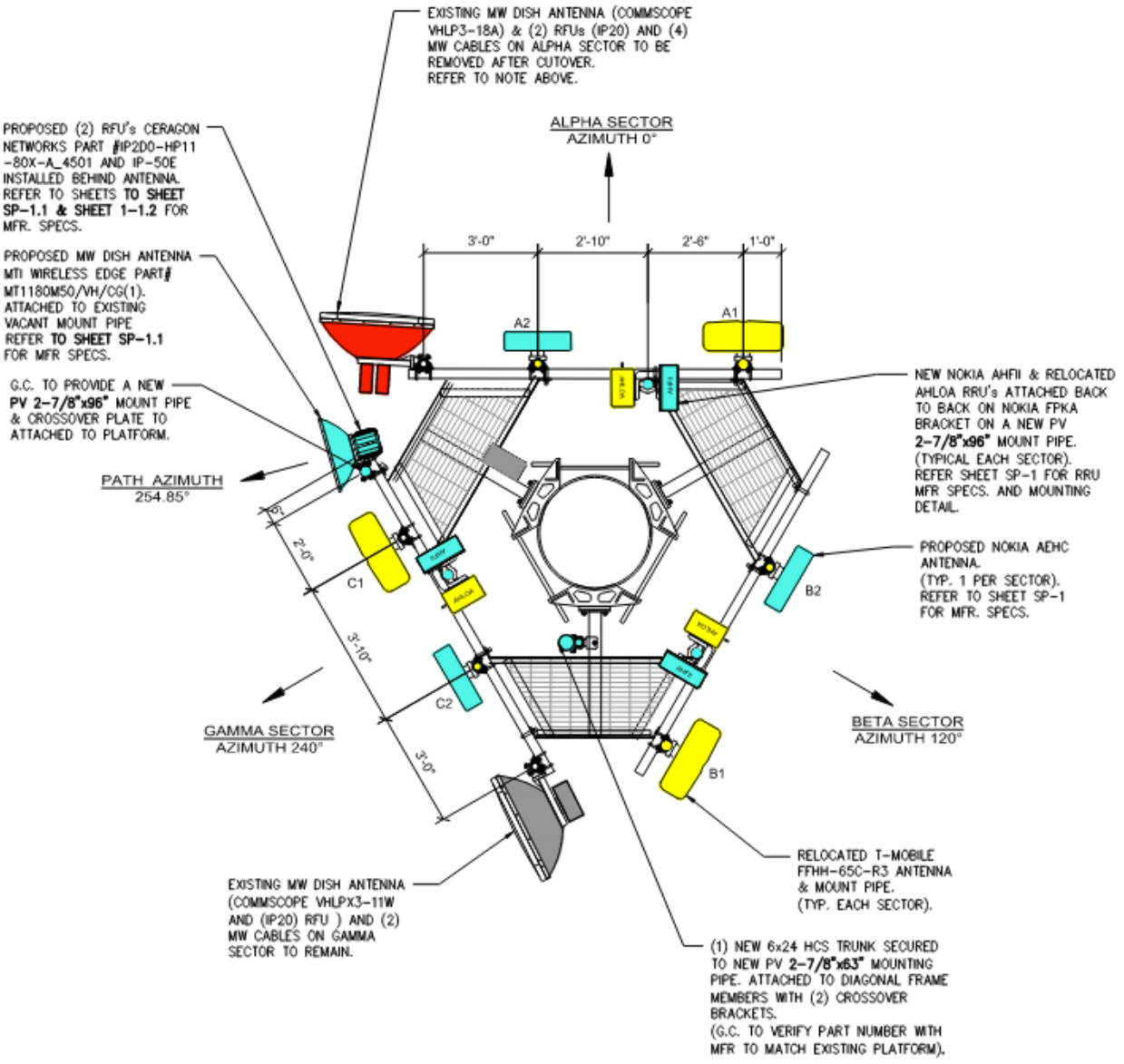
All services will be performed to meet the local codes, and we do not imply to meet any other codes or requirements unless explicitly agreed to in writing. If wind and ice loads or other relevant parameters are to be different than the minimum values recommended by the standards, the client shall specify the requirement.

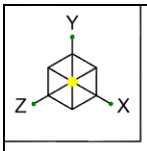
All services are performed in accordance with generally accepted engineering principles and practices. Westin Engineering is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

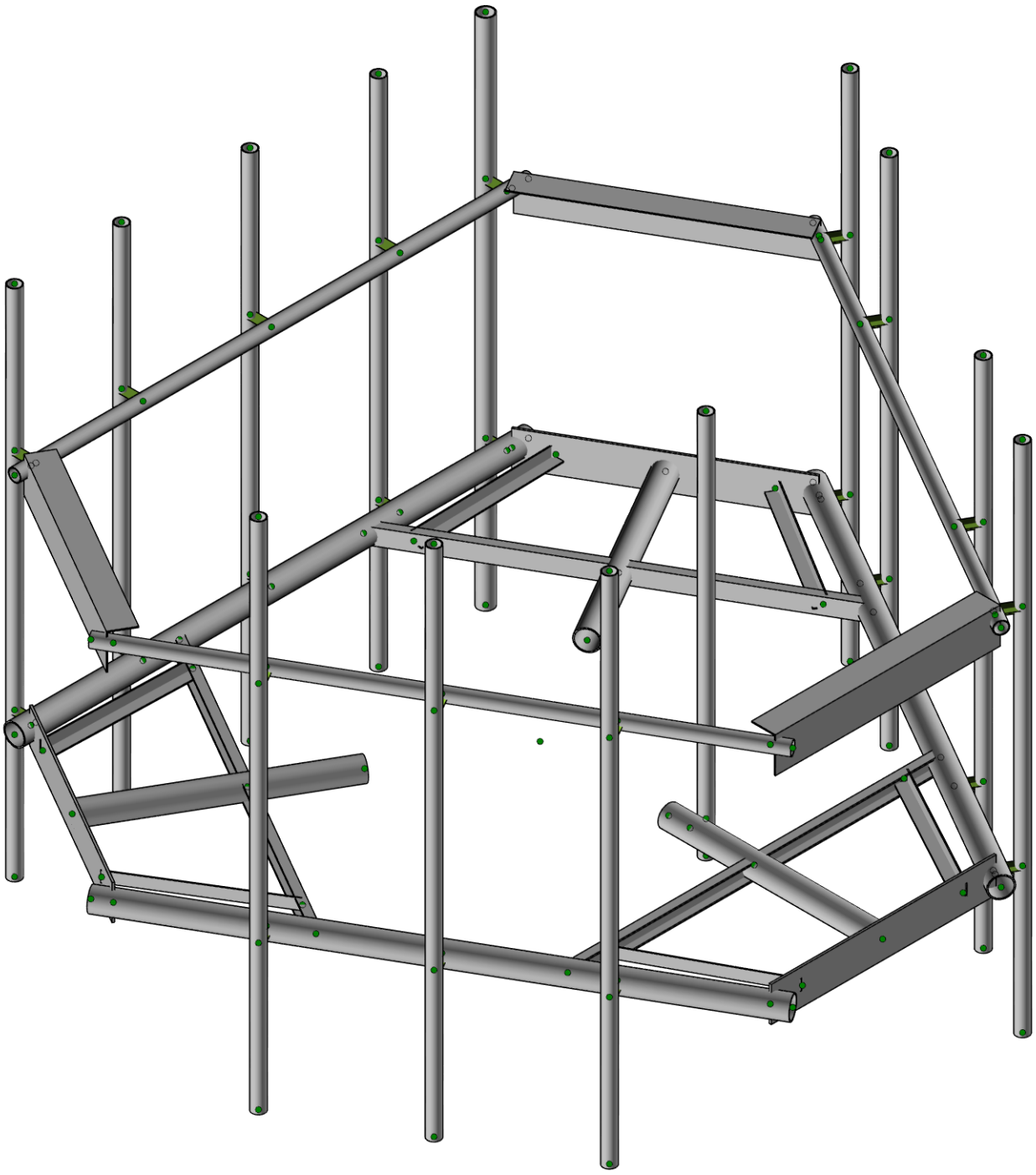
STRUCTURAL CALCULATIONS

TIA-222-H - WIND & ICE LOAD CALCULATIONS	
Site ID	ML93776A
Site Name	USC LAKE WASEECHA
Ultimate Wind Speed	107 mph
Wind Speed with Ice	50 mph
Ice Thickness	1.5 in
Antenna Centerline	129 ft
Risk Category	II
Exposure Category	C
Topographic Category	1
Wind direction probability factor	0.95
Gust factor	1.00
Ground Elevation Factor	0.96
Wind Pressure without ice	32.23 psf
Wind pressure with ice	8.12 psf

EQUIPMENT INFORMATION					
Manufacturer	**Model**	**L [in]**	**W [in]**	**D [in]**	**Weight [lbs]**
Commscope	FFHH-65C-R3	95.9	25.2	9.3	127.6
Nokia	AHLOA	22.05	12.13	7.44	83.8
Nokia	AHFII	26.61	14.53	5.71	70.6
Ceragon	Dish ODU	9.06	9.17	3.86	14.3
Commscope	VHLPX3-11W	39.3	39.3	15.2	37.5
MTI Wireless	MT1180M50	25.78	25.78	11.81	17.64
Ceragon	IP-50E	12.67	8.93	3.38	12.12
Nokia	AEHC	38.2	21.5	5.9	108


EXISTING MW DISH ANTENNA (COMMSCOPE VHLP3-18A) & (2) RFUs (IP20) AND (4) MW CABLES ON ALPHA SECTOR TO BE REMOVED AFTER CUTOVER. REFER TO NOTE ABOVE.
ALPHA SECTOR
AZIMUTH 0°
PROPOSED (2) RFU's CERAGON NETWORKS PART #IP2D0-HP11-80X-A_4501 AND IP-50E INSTALLED BEHIND ANTENNA. REFER TO SHEETS TO SHEET SP-1.1 & SHEET 1-1.2 FOR MFR. SPECS.
PROPOSED MW DISH ANTENNA MTI WIRELESS EDGE PART# MT1180M50/VH/CG(1). ATTACHED TO EXISTING VACANT MOUNT PIPE REFER TO SHEET SP-1.1 FOR MFR SPECS.
G.C. TO PROVIDE A NEW PV 2-7/8"x96" MOUNT PIPE & CROSSOVER PLATE TO ATTACHED TO PLATFORM.
PATH AZIMUTH
254.85°
3'-0"
2'-10"
2'-6"
1'-0"
A1
A2
B1
B2
C1
C2
2'-0"
3'-10"
3'-0"
NEW NOKIA AHFII & RELOCATED AHLOA RRU's ATTACHED BACK TO BACK ON NOKIA FPKA BRACKET ON A NEW PV 2-7/8"x96" MOUNT PIPE. (TYPICAL EACH SECTOR). REFER SHEET SP-1 FOR RRU MFR SPECS. AND MOUNTING DETAIL.
PROPOSED NOKIA AEHC ANTENNA. (TYP. 1 PER SECTOR). REFER TO SHEET SP-1 FOR MFR. SPECS.
GAMMA SECTOR
AZIMUTH 240°
BETA SECTOR
AZIMUTH 120°
EXISTING MW DISH ANTENNA (COMMSCOPE VHLPX3-11W AND (IP20) RFU) AND (2) MW CABLES ON GAMMA SECTOR TO REMAIN.
RELOCATED T-MOBILE FFHH-65C-R3 ANTENNA & MOUNT PIPE. (TYP. EACH SECTOR).
(1) NEW 6x24 HCS TRUNK SECURED TO NEW PV 2-7/8"x63" MOUNTING PIPE. ATTACHED TO DIAGONAL FRAME MEMBERS WITH (2) CROSSOVER BRACKETS. (G.C. TO VERIFY PART NUMBER WITH MFR TO MATCH EXISTING PLATFORM).





Envelope Only Solution

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		Jun 07, 2025
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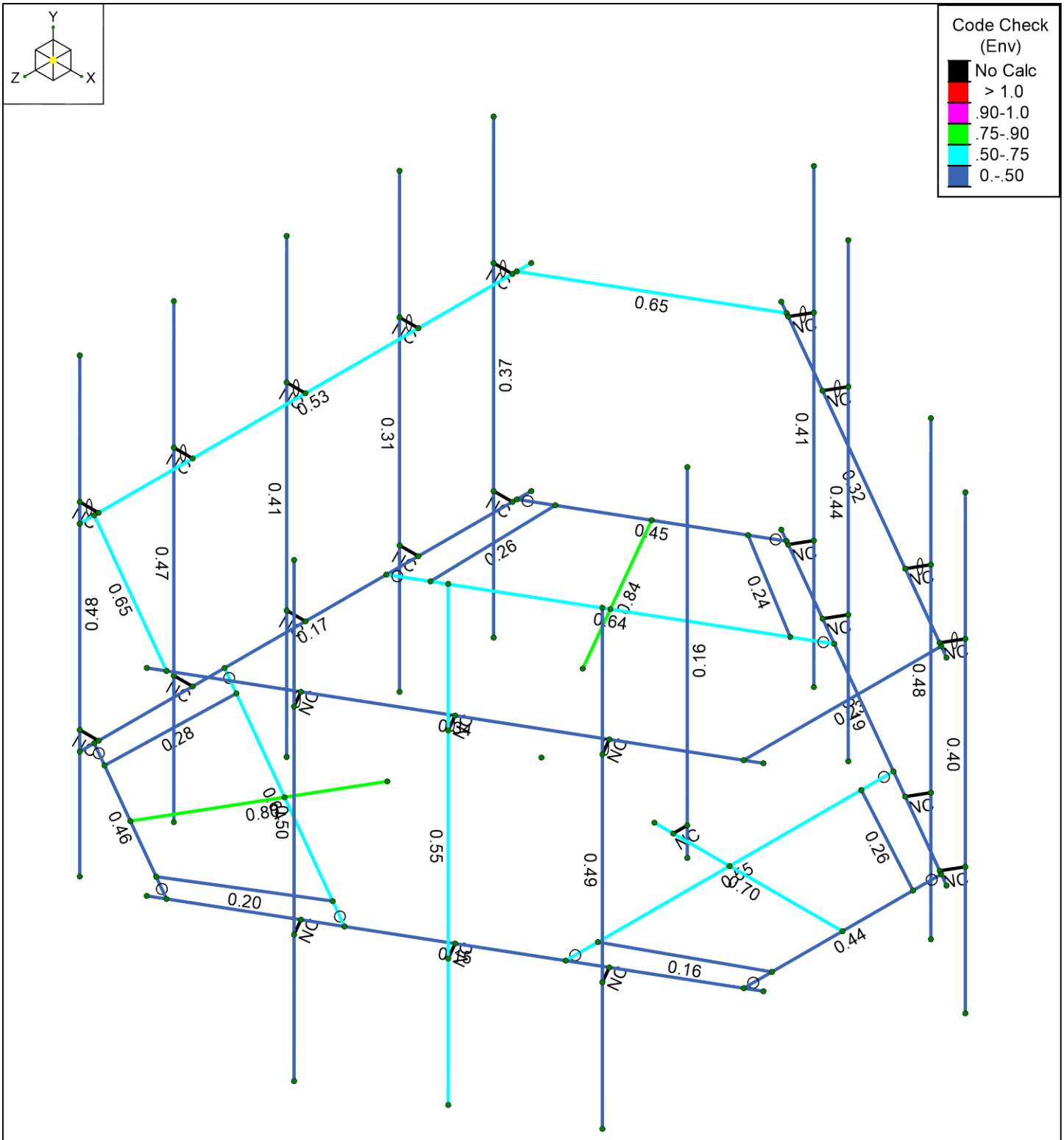

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Envelope Only Solution

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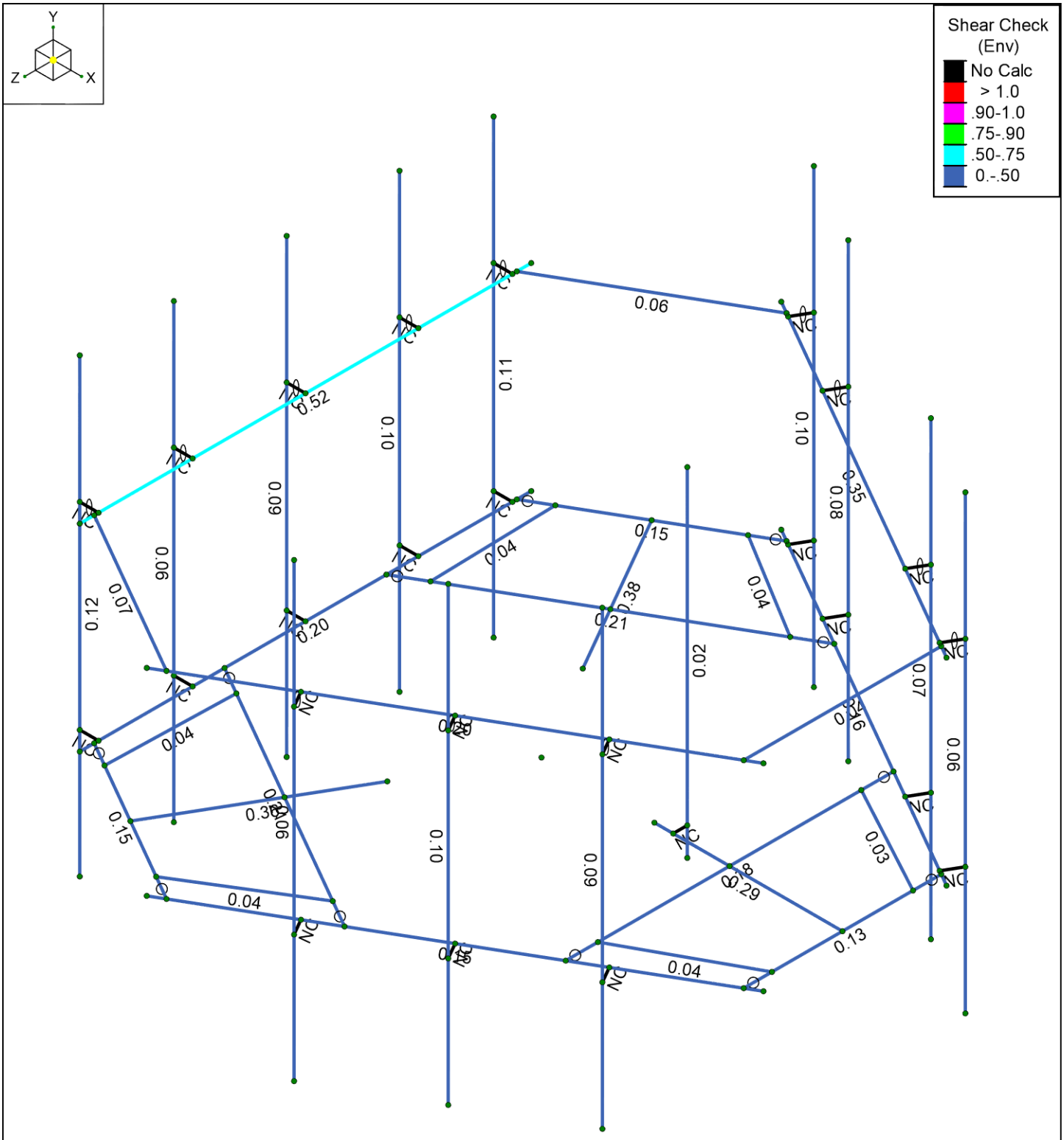

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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Material Take-Off

	Material	Size	Pieces	Length[in]	Weight[LB]
1	General Members				
2	RIGID		25	99	0
3	Total General		25	99	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	C3X5	3	209.1	87.177
7	A36 Gr.36	L65/8X47/16X3/16	3	126	72.854
8	A36 Gr.36	L2X2X3	6	163.8	33.529
9	A53 Gr.B	6.5"X0.37"PLATE	3	126	85.929
10	A53 Gr.B	PIPE_2.0	15	1416	409.559
11	A53 Gr.B	PIPE_2.5	1	96	43.828
12	A53 Gr.B	PIPE_3.5	6	408	289.237
13	Total HR Steel		37	2544.9	1022.112

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e^{5}°F^{-1}]	Density [lb/ft^{3}]	Yield [psi]	Ry	Fu [psi]	Rt
1	A992	29000	11154	0.3	0.65	490	50000	1.1	65000	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	490	36000	1.5	58000	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	490	50000	1.1	65000	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	527	42000	1.4	58000	1.3
5	A500 Gr.B Rect	29000	11154	0.3	0.65	527	46000	1.4	58000	1.3
6	A53 Gr.B	29000	11154	0.3	0.65	490	35000	1.6	60000	1.2
7	A1085	29000	11154	0.3	0.65	490	50000	1.4	65000	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	Plates	6.5"X0.37"PLATE	None	None	A53 Gr.B	Typical	2.405	0.027	8.468	0.106
2	Grating Bracing	L2X2X3	None	None	A36 Gr.36	Typical	0.722	0.271	0.271	0.009
3	Standoffs	PIPE_3.5	None	None	A53 Gr.B	Typical	2.5	4.52	4.52	9.04
4	Standoff Bracing	C3X5	None	None	A36 Gr.36	Typical	1.47	0.241	1.85	0.043
5	Handrails	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	0.627	0.627	1.25
6	Handrail Corners	L65/8X47/16X3/16	None	None	A36 Gr.36	Typical	2.039	3.593	9.575	0.023
7	Horizontals	PIPE_3.5	None	None	A53 Gr.B	Typical	2.5	4.52	4.52	9.04
8	Mount Pipes	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	0.627	0.627	1.25

Member Primary Data

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	M1	N5	N6		C3X5	None	None	A36 Gr.36	Typical
2	M2	N3	N1		PIPE_3.5	None	None	A53 Gr.B	Typical
3	M3	N9	N12	270	L2X2X3	None	None	A36 Gr.36	Typical
4	M4	N10	N11		L2X2X3	None	None	A36 Gr.36	Typical
5	M5	N8	N7		6.5"X0.37"PLATE	None	None	A53 Gr.B	Typical
6	M6	N17	N18		C3X5	None	None	A36 Gr.36	Typical
7	M7	N15	N13		PIPE_3.5	None	None	A53 Gr.B	Typical
8	M8	N21	N24	270	L2X2X3	None	None	A36 Gr.36	Typical
9	M9	N22	N23		L2X2X3	None	None	A36 Gr.36	Typical
10	M10	N20	N19		6.5"X0.37"PLATE	None	None	A53 Gr.B	Typical
11	M11	N29	N30		C3X5	None	None	A36 Gr.36	Typical
12	M12	N27	N25		PIPE_3.5	None	None	A53 Gr.B	Typical
13	M13	N33	N36	270	L2X2X3	None	None	A36 Gr.36	Typical
14	M14	N34	N35		L2X2X3	None	None	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
15	M15	N32	N31		6.5"X0.37"PLATE	None	None	A53 Gr.B	Typical
16	H1	N44	N45		PIPE_3.5	None	None	A53 Gr.B	Typical
17	H3	N47	N48		PIPE_3.5	None	None	A53 Gr.B	Typical
18	H2	N50	N51		PIPE_3.5	None	None	A53 Gr.B	Typical
19	M19	N47A	N48A		PIPE_2.0	None	None	A53 Gr.B	Typical
20	M20	N49	N50A		PIPE_2.0	None	None	A53 Gr.B	Typical
21	M21	N51A	N52		PIPE_2.0	None	None	A53 Gr.B	Typical
22	M22	N46	N45A	180	L65/8X47/16X3/16	None	None	A36 Gr.36	Typical
23	M23	N42	N41	180	L65/8X47/16X3/16	None	None	A36 Gr.36	Typical
24	M24	N44A	N43	180	L65/8X47/16X3/16	None	None	A36 Gr.36	Typical
25	M25	N55	N53		RIGID	None	None	RIGID	Typical
26	M26	N56	N54		RIGID	None	None	RIGID	Typical
27	C3	N57	N58		PIPE_2.0	None	None	A53 Gr.B	Typical
28	M28	N61	N59		RIGID	None	None	RIGID	Typical
29	M29	N62	N60		RIGID	None	None	RIGID	Typical
30	C2	N63	N64		PIPE_2.0	None	None	A53 Gr.B	Typical
31	M31	N67	N65		RIGID	None	None	RIGID	Typical
32	M32	N68	N66		RIGID	None	None	RIGID	Typical
33	C4	N69	N70		PIPE_2.0	None	None	A53 Gr.B	Typical
34	M34	N74	N72		RIGID	None	None	RIGID	Typical
35	M35	N75	N73		RIGID	None	None	RIGID	Typical
36	B2	N76	N77		PIPE_2.0	None	None	A53 Gr.B	Typical
37	M37	N80	N78		RIGID	None	None	RIGID	Typical
38	M38	N81	N79		RIGID	None	None	RIGID	Typical
39	B1	N82	N83		PIPE_2.0	None	None	A53 Gr.B	Typical
40	M40	N86	N84		RIGID	None	None	RIGID	Typical
41	M41	N87	N85		RIGID	None	None	RIGID	Typical
42	B3	N88	N89		PIPE_2.0	None	None	A53 Gr.B	Typical
43	M46	N99	N97		RIGID	None	None	RIGID	Typical
44	M47	N100	N98		RIGID	None	None	RIGID	Typical
45	A2	N101	N102		PIPE_2.0	None	None	A53 Gr.B	Typical
46	M49	N105	N103		RIGID	None	None	RIGID	Typical
47	M50	N106	N104		RIGID	None	None	RIGID	Typical
48	A3	N107	N108		PIPE_2.0	None	None	A53 Gr.B	Typical
49	M52	N109	N107A		RIGID	None	None	RIGID	Typical
50	M53	N110	N108A		RIGID	None	None	RIGID	Typical
51	C5	N112	N111		PIPE_2.5	None	None	A53 Gr.B	Typical
52	M55	N115	N113		RIGID	None	None	RIGID	Typical
53	M56	N116	N114		RIGID	None	None	RIGID	Typical
54	C1	N118	N117		PIPE_2.0	None	None	A53 Gr.B	Typical
55	M58	N122	N120		RIGID	None	None	RIGID	Typical
56	M59	N123	N121		RIGID	None	None	RIGID	Typical
57	A1	N124	N125		PIPE_2.0	None	None	A53 Gr.B	Typical
58	M58A	N122A	N120A		RIGID	None	None	RIGID	Typical
59	M59A	N123A	N121A		RIGID	None	None	RIGID	Typical
60	A4	N124A	N125A		PIPE_2.0	None	None	A53 Gr.B	Typical
61	M61	N126	N125B		RIGID	None	None	RIGID	Typical
62	A5	N127	N128		PIPE_2.0	None	None	A53 Gr.B	Typical

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Y	-18.74	71
2	C1	Y	-18.74	71
3	C5	Y	-8.82	71
4	C5	Y	-8.82	71

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
5	A5	Y	-9.5	33.19
6	A5	Y	-9.5	18.81
7	C2	Y	-54	63.1
8	C2	Y	-54	30.9
9	B1	Y	-54	63.1
10	B1	Y	-54	30.9
11	A4	Y	-54	63.1
12	A4	Y	-54	30.9
13	A3	Y	-41.9	55.025
14	A3	Y	-41.9	38.975
15	A3	Y	-35.275	57.305
16	A3	Y	-35.275	36.695
17	C3	Y	-41.9	55.025
18	C3	Y	-41.9	38.975
19	C3	Y	-35.275	57.305
20	C3	Y	-35.275	36.695
21	B2	Y	-41.9	55.025
22	B2	Y	-41.9	38.975
23	B2	Y	-35.275	57.305
24	B2	Y	-35.275	36.695
25	C1	Y	-4.41	84.27
26	C1	Y	-4.41	81.73
27	C5	Y	-8.82	84.27
28	C5	Y	-8.82	81.73
29	C4	Y	-63.8	82
30	C4	Y	-63.8	12
31	B3	Y	-63.8	82
32	B3	Y	-63.8	12
33	A2	Y	-63.8	82
34	A2	Y	-63.8	12

Member Point Loads (BLC 2 : Wind 0)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	-51.854	71
2	C1	Z	-51.854	71
3	C1	X	-1.765	71
4	C1	X	-1.765	71
5	C5	Z	-22.326	71
6	C5	Z	-22.326	71
7	C5	X	-0.76	71
8	C5	X	-0.76	71
9	A5	Z	-42.847	33.19
10	A5	Z	-42.847	18.81
11	A5	X	0	33.19
12	A5	X	0	18.81
13	C2	Z	-34.72	63.1
14	C2	Z	-34.72	30.9
15	C2	X	0	63.1
16	C2	X	0	30.9
17	B1	Z	-91.396	63.1
18	B1	Z	-91.396	30.9
19	B1	X	0	63.1
20	B1	X	0	30.9
21	A4	Z	-91.396	63.1
22	A4	Z	-91.396	30.9

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
23	A4	X	0	63.1
24	A4	X	0	30.9
25	A3	Z	-25.785	55.025
26	A3	Z	-25.785	38.975
27	A3	X	0	55.025
28	A3	X	0	38.975
29	A3	Z	-29.507	57.305
30	A3	Z	-29.507	36.695
31	A3	X	0	57.305
32	A3	X	0	36.695
33	C3	Z	-35.917	55.025
34	C3	Z	-35.917	38.975
35	C3	X	0	55.025
36	C3	X	0	38.975
37	C3	Z	-51.92	57.305
38	C3	Z	-51.92	36.695
39	C3	X	0	57.305
40	C3	X	0	36.695
41	B2	Z	-25.785	55.025
42	B2	Z	-25.785	38.975
43	B2	X	0	55.025
44	B2	X	0	38.975
45	B2	Z	-29.507	57.305
46	B2	Z	-29.507	36.695
47	B2	X	0	57.305
48	B2	X	0	36.695
49	C1	Z	-3.849	84.27
50	C1	Z	-3.849	81.73
51	C1	X	0	84.27
52	C1	X	0	81.73
53	C5	Z	-7.698	84.27
54	C5	Z	-7.698	81.73
55	C5	X	0	84.27
56	C5	X	0	81.73
57	C4	Z	-150.744	82
58	C4	Z	-150.744	12
59	C4	X	0	82
60	C4	X	0	12
61	B3	Z	-292.848	82
62	B3	Z	-292.848	12
63	B3	X	0	82
64	B3	X	0	12
65	A2	Z	-292.848	82
66	A2	Z	-292.848	12
67	A2	X	0	82
68	A2	X	0	12

Member Point Loads (BLC 3 : Wind 30)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	-36.53	71
2	C1	Z	-36.53	71
3	C1	X	248.623	71
4	C1	X	248.623	71
5	C5	Z	-15.728	71
6	C5	Z	-15.728	71

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
7	C5	X	107.043	71
8	C5	X	107.043	71
9	A5	Z	-44.7	33.19
10	A5	Z	-44.7	18.81
11	A5	X	25.807	33.19
12	A5	X	25.807	18.81
13	C2	Z	-46.43	63.1
14	C2	Z	-46.43	30.9
15	C2	X	26.806	63.1
16	C2	X	26.806	30.9
17	B1	Z	-46.43	63.1
18	B1	Z	-46.43	30.9
19	B1	X	26.806	63.1
20	B1	X	26.806	30.9
21	A4	Z	-95.513	63.1
22	A4	Z	-95.513	30.9
23	A4	X	55.144	63.1
24	A4	X	55.144	30.9
25	A3	Z	-19.406	55.025
26	A3	Z	-19.406	38.975
27	A3	X	11.204	55.025
28	A3	X	11.204	38.975
29	A3	Z	-19.084	57.305
30	A3	Z	-19.084	36.695
31	A3	X	11.018	57.305
32	A3	X	11.018	36.695
33	C3	Z	-28.18	55.025
34	C3	Z	-28.18	38.975
35	C3	X	16.27	55.025
36	C3	X	16.27	38.975
37	C3	Z	-38.494	57.305
38	C3	Z	-38.494	36.695
39	C3	X	22.225	57.305
40	C3	X	22.225	36.695
41	B2	Z	-28.18	55.025
42	B2	Z	-28.18	38.975
43	B2	X	16.27	55.025
44	B2	X	16.27	38.975
45	B2	Z	-38.494	57.305
46	B2	Z	-38.494	36.695
47	B2	X	22.225	57.305
48	B2	X	22.225	36.695
49	C1	Z	-4.553	84.27
50	C1	Z	-4.553	81.73
51	C1	X	2.629	84.27
52	C1	X	2.629	81.73
53	C5	Z	-9.106	84.27
54	C5	Z	-9.106	81.73
55	C5	X	5.258	84.27
56	C5	X	5.258	81.73
57	C4	Z	-171.57	82
58	C4	Z	-171.57	12
59	C4	X	99.056	82
60	C4	X	99.056	12
61	B3	Z	-171.57	82

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
62	B3	Z	-171.57	12
63	B3	X	99.056	82
64	B3	X	99.056	12
65	A2	Z	-294.636	82
66	A2	Z	-294.636	12
67	A2	X	170.108	82
68	A2	X	170.108	12

Member Point Loads (BLC 4 : Wind 60)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	4.721	71
2	C1	Z	4.721	71
3	C1	X	234.491	71
4	C1	X	234.491	71
5	C5	Z	2.033	71
6	C5	Z	2.033	71
7	C5	X	100.958	71
8	C5	X	100.958	71
9	A5	Z	-21.423	33.19
10	A5	Z	-21.423	18.81
11	A5	X	37.107	33.19
12	A5	X	37.107	18.81
13	C2	Z	-45.698	63.1
14	C2	Z	-45.698	30.9
15	C2	X	79.152	63.1
16	C2	X	79.152	30.9
17	B1	Z	-17.36	63.1
18	B1	Z	-17.36	30.9
19	B1	X	30.069	63.1
20	B1	X	30.069	30.9
21	A4	Z	-45.698	63.1
22	A4	Z	-45.698	30.9
23	A4	X	79.152	63.1
24	A4	X	79.152	30.9
25	A3	Z	-12.893	55.025
26	A3	Z	-12.893	38.975
27	A3	X	22.331	55.025
28	A3	X	22.331	38.975
29	A3	Z	-14.754	57.305
30	A3	Z	-14.754	36.695
31	A3	X	25.554	57.305
32	A3	X	25.554	36.695
33	C3	Z	-12.893	55.025
34	C3	Z	-12.893	38.975
35	C3	X	22.331	55.025
36	C3	X	22.331	38.975
37	C3	Z	-14.754	57.305
38	C3	Z	-14.754	36.695
39	C3	X	25.554	57.305
40	C3	X	25.554	36.695
41	B2	Z	-17.958	55.025
42	B2	Z	-17.958	38.975
43	B2	X	31.105	55.025
44	B2	X	31.105	38.975
45	B2	Z	-25.96	57.305

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
46	B2	Z	-25.96	36.695
47	B2	X	44.964	57.305
48	B2	X	44.964	36.695
49	C1	Z	-4.038	84.27
50	C1	Z	-4.038	81.73
51	C1	X	6.993	84.27
52	C1	X	6.993	81.73
53	C5	Z	-8.075	84.27
54	C5	Z	-8.075	81.73
55	C5	X	13.987	84.27
56	C5	X	13.987	81.73
57	C4	Z	-146.424	82
58	C4	Z	-146.424	12
59	C4	X	253.614	82
60	C4	X	253.614	12
61	B3	Z	-75.372	82
62	B3	Z	-75.372	12
63	B3	X	130.548	82
64	B3	X	130.548	12
65	A2	Z	-146.424	82
66	A2	Z	-146.424	12
67	A2	X	253.614	82
68	A2	X	253.614	12

Member Point Loads (BLC 5 : Wind 90)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	0	71
2	C1	Z	0	71
3	C1	X	233.903	71
4	C1	X	233.903	71
5	C5	Z	0	71
6	C5	Z	0	71
7	C5	X	100.705	71
8	C5	X	100.705	71
9	A5	Z	0	33.19
10	A5	Z	0	18.81
11	A5	X	25.311	33.19
12	A5	X	25.311	18.81
13	C2	Z	0	63.1
14	C2	Z	0	30.9
15	C2	X	110.288	63.1
16	C2	X	110.288	30.9
17	B1	Z	0	63.1
18	B1	Z	0	30.9
19	B1	X	53.612	63.1
20	B1	X	53.612	30.9
21	A4	Z	0	63.1
22	A4	Z	0	30.9
23	A4	X	53.612	63.1
24	A4	X	53.612	30.9
25	A3	Z	0	55.025
26	A3	Z	0	38.975
27	A3	X	32.54	55.025
28	A3	X	32.54	38.975
29	A3	Z	0	57.305

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
30	A3	Z	0	36.695
31	A3	X	44.449	57.305
32	A3	X	44.449	36.695
33	C3	Z	0	55.025
34	C3	Z	0	38.975
35	C3	X	22.408	55.025
36	C3	X	22.408	38.975
37	C3	Z	0	57.305
38	C3	Z	0	36.695
39	C3	X	22.036	57.305
40	C3	X	22.036	36.695
41	B2	Z	0	55.025
42	B2	Z	0	38.975
43	B2	X	32.54	55.025
44	B2	X	32.54	38.975
45	B2	Z	0	57.305
46	B2	Z	0	36.695
47	B2	X	44.449	57.305
48	B2	X	44.449	36.695
49	C1	Z	0	84.27
50	C1	Z	0	81.73
51	C1	X	9.484	84.27
52	C1	X	9.484	81.73
53	C5	Z	0	84.27
54	C5	Z	0	81.73
55	C5	X	18.968	84.27
56	C5	X	18.968	81.73
57	C4	Z	0	82
58	C4	Z	0	12
59	C4	X	340.216	82
60	C4	X	340.216	12
61	B3	Z	0	82
62	B3	Z	0	12
63	B3	X	198.112	82
64	B3	X	198.112	12
65	A2	Z	0	82
66	A2	Z	0	12
67	A2	X	198.112	82
68	A2	X	198.112	12

Member Point Loads (BLC 6 : Wind 120)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	-4.721	71
2	C1	Z	-4.721	71
3	C1	X	234.491	71
4	C1	X	234.491	71
5	C5	Z	-2.033	71
6	C5	Z	-2.033	71
7	C5	X	100.958	71
8	C5	X	100.958	71
9	A5	Z	8.272	33.19
10	A5	Z	8.272	18.81
11	A5	X	14.327	33.19
12	A5	X	14.327	18.81
13	C2	Z	45.698	63.1

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
14	C2	Z	45.698	30.9
15	C2	X	79.152	63.1
16	C2	X	79.152	30.9
17	B1	Z	45.698	63.1
18	B1	Z	45.698	30.9
19	B1	X	79.152	63.1
20	B1	X	79.152	30.9
21	A4	Z	17.36	63.1
22	A4	Z	17.36	30.9
23	A4	X	30.069	63.1
24	A4	X	30.069	30.9
25	A3	Z	17.958	55.025
26	A3	Z	17.958	38.975
27	A3	X	31.105	55.025
28	A3	X	31.105	38.975
29	A3	Z	25.96	57.305
30	A3	Z	25.96	36.695
31	A3	X	44.964	57.305
32	A3	X	44.964	36.695
33	C3	Z	12.893	55.025
34	C3	Z	12.893	38.975
35	C3	X	22.331	55.025
36	C3	X	22.331	38.975
37	C3	Z	14.754	57.305
38	C3	Z	14.754	36.695
39	C3	X	25.554	57.305
40	C3	X	25.554	36.695
41	B2	Z	12.893	55.025
42	B2	Z	12.893	38.975
43	B2	X	22.331	55.025
44	B2	X	22.331	38.975
45	B2	Z	14.754	57.305
46	B2	Z	14.754	36.695
47	B2	X	25.554	57.305
48	B2	X	25.554	36.695
49	C1	Z	4.038	84.27
50	C1	Z	4.038	81.73
51	C1	X	6.993	84.27
52	C1	X	6.993	81.73
53	C5	Z	8.075	84.27
54	C5	Z	8.075	81.73
55	C5	X	13.987	84.27
56	C5	X	13.987	81.73
57	C4	Z	146.424	82
58	C4	Z	146.424	12
59	C4	X	253.614	82
60	C4	X	253.614	12
61	B3	Z	146.424	82
62	B3	Z	146.424	12
63	B3	X	253.614	82
64	B3	X	253.614	12
65	A2	Z	75.372	82
66	A2	Z	75.372	12
67	A2	X	130.548	82
68	A2	X	130.548	12

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

Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]

Member Point Loads (BLC 7 : Wind 150)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	36.53	71
2	C1	Z	36.53	71
3	C1	X	248.623	71
4	C1	X	248.623	71
5	C5	Z	15.728	71
6	C5	Z	15.728	71
7	C5	X	107.043	71
8	C5	X	107.043	71
9	A5	Z	21.92	33.19
10	A5	Z	21.92	18.81
11	A5	X	12.656	33.19
12	A5	X	12.656	18.81
13	C2	Z	46.43	63.1
14	C2	Z	46.43	30.9
15	C2	X	26.806	63.1
16	C2	X	26.806	30.9
17	B1	Z	95.513	63.1
18	B1	Z	95.513	30.9
19	B1	X	55.144	63.1
20	B1	X	55.144	30.9
21	A4	Z	46.43	63.1
22	A4	Z	46.43	30.9
23	A4	X	26.806	63.1
24	A4	X	26.806	30.9
25	A3	Z	28.18	55.025
26	A3	Z	28.18	38.975
27	A3	X	16.27	55.025
28	A3	X	16.27	38.975
29	A3	Z	38.494	57.305
30	A3	Z	38.494	36.695
31	A3	X	22.225	57.305
32	A3	X	22.225	36.695
33	C3	Z	28.18	55.025
34	C3	Z	28.18	38.975
35	C3	X	16.27	55.025
36	C3	X	16.27	38.975
37	C3	Z	38.494	57.305
38	C3	Z	38.494	36.695
39	C3	X	22.225	57.305
40	C3	X	22.225	36.695
41	B2	Z	19.406	55.025
42	B2	Z	19.406	38.975
43	B2	X	11.204	55.025
44	B2	X	11.204	38.975
45	B2	Z	19.084	57.305
46	B2	Z	19.084	36.695
47	B2	X	11.018	57.305
48	B2	X	11.018	36.695
49	C1	Z	4.553	84.27
50	C1	Z	4.553	81.73
51	C1	X	2.629	84.27
52	C1	X	2.629	81.73
53	C5	Z	9.106	84.27
54	C5	Z	9.106	81.73
55	C5	X	5.258	84.27

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
56	C5	X	5.258	81.73
57	C4	Z	171.57	82
58	C4	Z	171.57	12
59	C4	X	99.056	82
60	C4	X	99.056	12
61	B3	Z	294.636	82
62	B3	Z	294.636	12
63	B3	X	170.108	82
64	B3	X	170.108	12
65	A2	Z	171.57	82
66	A2	Z	171.57	12
67	A2	X	99.056	82
68	A2	X	99.056	12

Member Point Loads (BLC 8 : Ice Load)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Y	-73.665	71
2	C1	Y	-73.665	71
3	C5	Y	-33.148	71
4	C5	Y	-33.148	71
5	A5	Y	-38.273	33.19
6	A5	Y	-38.273	18.81
7	C2	Y	-80.277	63.1
8	C2	Y	-80.277	30.9
9	B1	Y	-80.277	63.1
10	B1	Y	-80.277	30.9
11	A4	Y	-80.277	63.1
12	A4	Y	-80.277	30.9
13	A3	Y	-30.776	55.025
14	A3	Y	-30.776	38.975
15	A3	Y	-40.358	57.305
16	A3	Y	-40.358	36.695
17	C3	Y	-30.776	55.025
18	C3	Y	-30.776	38.975
19	C3	Y	-40.358	57.305
20	C3	Y	-40.358	36.695
21	B2	Y	-30.776	55.025
22	B2	Y	-30.776	38.975
23	B2	Y	-40.358	57.305
24	B2	Y	-40.358	36.695
25	C1	Y	-7.953	84.27
26	C1	Y	-7.953	81.73
27	C5	Y	-15.906	84.27
28	C5	Y	-15.906	81.73
29	C4	Y	-239.856	82
30	C4	Y	-239.856	12
31	B3	Y	-239.856	82
32	B3	Y	-239.856	12
33	A2	Y	-239.856	82
34	A2	Y	-239.856	12

Member Point Loads (BLC 9 : Ice 0)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	-12.807	71
2	C1	Z	-12.807	71
3	C1	X	-0.436	71
4	C1	X	-0.436	71
5	C5	Z	-5.759	71
6	C5	Z	-5.759	71
7	C5	X	-0.196	71
8	C5	X	-0.196	71
9	A5	Z	-13.812	33.19
10	A5	Z	-13.812	18.81
11	A5	X	0	33.19
12	A5	X	0	18.81
13	C2	Z	-12.697	63.1
14	C2	Z	-12.697	30.9
15	C2	X	0	63.1
16	C2	X	0	30.9
17	B1	Z	-26.885	63.1
18	B1	Z	-26.885	30.9
19	B1	X	0	63.1
20	B1	X	0	30.9
21	A4	Z	-26.885	63.1
22	A4	Z	-26.885	30.9
23	A4	X	0	63.1
24	A4	X	0	30.9
25	A3	Z	-9.351	55.025
26	A3	Z	-9.351	38.975
27	A3	X	0	55.025
28	A3	X	0	38.975
29	A3	Z	-10.569	57.305
30	A3	Z	-10.569	36.695
31	A3	X	0	57.305
32	A3	X	0	36.695
33	C3	Z	-12.081	55.025
34	C3	Z	-12.081	38.975
35	C3	X	0	55.025
36	C3	X	0	38.975
37	C3	Z	-16.438	57.305
38	C3	Z	-16.438	36.695
39	C3	X	0	57.305
40	C3	X	0	36.695
41	B2	Z	-9.351	55.025
42	B2	Z	-9.351	38.975
43	B2	X	0	55.025
44	B2	X	0	38.975
45	B2	Z	-10.569	57.305
46	B2	Z	-10.569	36.695
47	B2	X	0	57.305
48	B2	X	0	36.695
49	C1	Z	-2.476	84.27
50	C1	Z	-2.476	81.73
51	C1	X	0	84.27
52	C1	X	0	81.73
53	C5	Z	-4.951	84.27
54	C5	Z	-4.951	81.73
55	C5	X	0	84.27

Member Point Loads (BLC 9 : Ice 0) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
56	C5	X	0	81.73
57	C4	Z	-45.8	82
58	C4	Z	-45.8	12
59	C4	X	0	82
60	C4	X	0	12
61	B3	Z	-78.74	82
62	B3	Z	-78.74	12
63	B3	X	0	82
64	B3	X	0	12
65	A2	Z	-78.74	82
66	A2	Z	-78.74	12
67	A2	X	0	82
68	A2	X	0	12

Member Point Loads (BLC 10 : Ice 30)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	-9.023	71
2	C1	Z	-9.023	71
3	C1	X	61.407	71
4	C1	X	61.407	71
5	C5	Z	-4.057	71
6	C5	Z	-4.057	71
7	C5	X	27.613	71
8	C5	X	27.613	71
9	A5	Z	-14.003	33.19
10	A5	Z	-14.003	18.81
11	A5	X	8.085	33.19
12	A5	X	8.085	18.81
13	C2	Z	-15.091	63.1
14	C2	Z	-15.091	30.9
15	C2	X	8.713	63.1
16	C2	X	8.713	30.9
17	B1	Z	-15.091	63.1
18	B1	Z	-15.091	30.9
19	B1	X	8.713	63.1
20	B1	X	8.713	30.9
21	A4	Z	-27.378	63.1
22	A4	Z	-27.378	30.9
23	A4	X	15.807	63.1
24	A4	X	15.807	30.9
25	A3	Z	-7.31	55.025
26	A3	Z	-7.31	38.975
27	A3	X	4.221	55.025
28	A3	X	4.221	38.975
29	A3	Z	-7.458	57.305
30	A3	Z	-7.458	36.695
31	A3	X	4.306	57.305
32	A3	X	4.306	36.695
33	C3	Z	-9.674	55.025
34	C3	Z	-9.674	38.975
35	C3	X	5.585	55.025
36	C3	X	5.585	38.975
37	C3	Z	-12.541	57.305
38	C3	Z	-12.541	36.695
39	C3	X	7.241	57.305

Member Point Loads (BLC 10 : Ice 30) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
40	C3	X	7.241	36.695
41	B2	Z	-9.674	55.025
42	B2	Z	-9.674	38.975
43	B2	X	5.585	55.025
44	B2	X	5.585	38.975
45	B2	Z	-12.541	57.305
46	B2	Z	-12.541	36.695
47	B2	X	7.241	57.305
48	B2	X	7.241	36.695
49	C1	Z	-2.532	84.27
50	C1	Z	-2.532	81.73
51	C1	X	1.462	84.27
52	C1	X	1.462	81.73
53	C5	Z	-5.065	84.27
54	C5	Z	-5.065	81.73
55	C5	X	2.924	84.27
56	C5	X	2.924	81.73
57	C4	Z	-49.173	82
58	C4	Z	-49.173	12
59	C4	X	28.39	82
60	C4	X	28.39	12
61	B3	Z	-49.173	82
62	B3	Z	-49.173	12
63	B3	X	28.39	82
64	B3	X	28.39	12
65	A2	Z	-77.7	82
66	A2	Z	-77.7	12
67	A2	X	44.86	82
68	A2	X	44.86	12

Member Point Loads (BLC 11 : Ice 60)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	1.166	71
2	C1	Z	1.166	71
3	C1	X	57.917	71
4	C1	X	57.917	71
5	C5	Z	0.524	71
6	C5	Z	0.524	71
7	C5	X	26.043	71
8	C5	X	26.043	71
9	A5	Z	-6.906	33.19
10	A5	Z	-6.906	18.81
11	A5	X	11.961	33.19
12	A5	X	11.961	18.81
13	C2	Z	-13.442	63.1
14	C2	Z	-13.442	30.9
15	C2	X	23.283	63.1
16	C2	X	23.283	30.9
17	B1	Z	-6.348	63.1
18	B1	Z	-6.348	30.9
19	B1	X	10.996	63.1
20	B1	X	10.996	30.9
21	A4	Z	-13.442	63.1
22	A4	Z	-13.442	30.9
23	A4	X	23.283	63.1

Member Point Loads (BLC 11 : Ice 60) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
24	A4	X	23.283	30.9
25	A3	Z	-4.676	55.025
26	A3	Z	-4.676	38.975
27	A3	X	8.098	55.025
28	A3	X	8.098	38.975
29	A3	Z	-5.284	57.305
30	A3	Z	-5.284	36.695
31	A3	X	9.153	57.305
32	A3	X	9.153	36.695
33	C3	Z	-4.676	55.025
34	C3	Z	-4.676	38.975
35	C3	X	8.098	55.025
36	C3	X	8.098	38.975
37	C3	Z	-5.284	57.305
38	C3	Z	-5.284	36.695
39	C3	X	9.153	57.305
40	C3	X	9.153	36.695
41	B2	Z	-6.04	55.025
42	B2	Z	-6.04	38.975
43	B2	X	10.462	55.025
44	B2	X	10.462	38.975
45	B2	Z	-8.219	57.305
46	B2	Z	-8.219	36.695
47	B2	X	14.236	57.305
48	B2	X	14.236	36.695
49	C1	Z	-1.911	84.27
50	C1	Z	-1.911	81.73
51	C1	X	3.309	84.27
52	C1	X	3.309	81.73
53	C5	Z	-3.821	84.27
54	C5	Z	-3.821	81.73
55	C5	X	6.618	84.27
56	C5	X	6.618	81.73
57	C4	Z	-39.37	82
58	C4	Z	-39.37	12
59	C4	X	68.191	82
60	C4	X	68.191	12
61	B3	Z	-22.9	82
62	B3	Z	-22.9	12
63	B3	X	39.664	82
64	B3	X	39.664	12
65	A2	Z	-39.37	82
66	A2	Z	-39.37	12
67	A2	X	68.191	82
68	A2	X	68.191	12

Member Point Loads (BLC 12 : Ice 90)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	0	71
2	C1	Z	0	71
3	C1	X	57.772	71
4	C1	X	57.772	71
5	C5	Z	0	71
6	C5	Z	0	71
7	C5	X	25.978	71

Member Point Loads (BLC 12 : Ice 90) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
8	C5	X	25.978	71
9	A5	Z	0	33.19
10	A5	Z	0	18.81
11	A5	X	9.096	33.19
12	A5	X	9.096	18.81
13	C2	Z	0	63.1
14	C2	Z	0	30.9
15	C2	X	31.614	63.1
16	C2	X	31.614	30.9
17	B1	Z	0	63.1
18	B1	Z	0	30.9
19	B1	X	17.426	63.1
20	B1	X	17.426	30.9
21	A4	Z	0	63.1
22	A4	Z	0	30.9
23	A4	X	17.426	63.1
24	A4	X	17.426	30.9
25	A3	Z	0	55.025
26	A3	Z	0	38.975
27	A3	X	11.171	55.025
28	A3	X	11.171	38.975
29	A3	Z	0	57.305
30	A3	Z	0	36.695
31	A3	X	14.481	57.305
32	A3	X	14.481	36.695
33	C3	Z	0	55.025
34	C3	Z	0	38.975
35	C3	X	8.441	55.025
36	C3	X	8.441	38.975
37	C3	Z	0	57.305
38	C3	Z	0	36.695
39	C3	X	8.612	57.305
40	C3	X	8.612	36.695
41	B2	Z	0	55.025
42	B2	Z	0	38.975
43	B2	X	11.171	55.025
44	B2	X	11.171	38.975
45	B2	Z	0	57.305
46	B2	Z	0	36.695
47	B2	X	14.481	57.305
48	B2	X	14.481	36.695
49	C1	Z	0	84.27
50	C1	Z	0	81.73
51	C1	X	4.27	84.27
52	C1	X	4.27	81.73
53	C5	Z	0	84.27
54	C5	Z	0	81.73
55	C5	X	8.539	84.27
56	C5	X	8.539	81.73
57	C4	Z	0	82
58	C4	Z	0	12
59	C4	X	89.72	82
60	C4	X	89.72	12
61	B3	Z	0	82
62	B3	Z	0	12

Member Point Loads (BLC 12 : Ice 90) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
63	B3	X	56.78	82
64	B3	X	56.78	12
65	A2	Z	0	82
66	A2	Z	0	12
67	A2	X	56.78	82
68	A2	X	56.78	12

Member Point Loads (BLC 13 : Ice 120)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	-1.166	71
2	C1	Z	-1.166	71
3	C1	X	57.917	71
4	C1	X	57.917	71
5	C5	Z	-0.524	71
6	C5	Z	-0.524	71
7	C5	X	26.043	71
8	C5	X	26.043	71
9	A5	Z	3.369	33.19
10	A5	Z	3.369	18.81
11	A5	X	5.835	33.19
12	A5	X	5.835	18.81
13	C2	Z	13.442	63.1
14	C2	Z	13.442	30.9
15	C2	X	23.283	63.1
16	C2	X	23.283	30.9
17	B1	Z	13.442	63.1
18	B1	Z	13.442	30.9
19	B1	X	23.283	63.1
20	B1	X	23.283	30.9
21	A4	Z	6.348	63.1
22	A4	Z	6.348	30.9
23	A4	X	10.996	63.1
24	A4	X	10.996	30.9
25	A3	Z	6.04	55.025
26	A3	Z	6.04	38.975
27	A3	X	10.462	55.025
28	A3	X	10.462	38.975
29	A3	Z	8.219	57.305
30	A3	Z	8.219	36.695
31	A3	X	14.236	57.305
32	A3	X	14.236	36.695
33	C3	Z	4.676	55.025
34	C3	Z	4.676	38.975
35	C3	X	8.098	55.025
36	C3	X	8.098	38.975
37	C3	Z	5.284	57.305
38	C3	Z	5.284	36.695
39	C3	X	9.153	57.305
40	C3	X	9.153	36.695
41	B2	Z	4.676	55.025
42	B2	Z	4.676	38.975
43	B2	X	8.098	55.025
44	B2	X	8.098	38.975
45	B2	Z	5.284	57.305
46	B2	Z	5.284	36.695

Member Point Loads (BLC 13 : Ice 120) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
47	B2	X	9.153	57.305
48	B2	X	9.153	36.695
49	C1	Z	1.911	84.27
50	C1	Z	1.911	81.73
51	C1	X	3.309	84.27
52	C1	X	3.309	81.73
53	C5	Z	3.821	84.27
54	C5	Z	3.821	81.73
55	C5	X	6.618	84.27
56	C5	X	6.618	81.73
57	C4	Z	39.37	82
58	C4	Z	39.37	12
59	C4	X	68.191	82
60	C4	X	68.191	12
61	B3	Z	39.37	82
62	B3	Z	39.37	12
63	B3	X	68.191	82
64	B3	X	68.191	12
65	A2	Z	22.9	82
66	A2	Z	22.9	12
67	A2	X	39.664	82
68	A2	X	39.664	12

Member Point Loads (BLC 14 : Ice 150)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	C1	Z	9.023	71
2	C1	Z	9.023	71
3	C1	X	61.407	71
4	C1	X	61.407	71
5	C5	Z	4.057	71
6	C5	Z	4.057	71
7	C5	X	27.613	71
8	C5	X	27.613	71
9	A5	Z	7.877	33.19
10	A5	Z	7.877	18.81
11	A5	X	4.548	33.19
12	A5	X	4.548	18.81
13	C2	Z	15.091	63.1
14	C2	Z	15.091	30.9
15	C2	X	8.713	63.1
16	C2	X	8.713	30.9
17	B1	Z	27.378	63.1
18	B1	Z	27.378	30.9
19	B1	X	15.807	63.1
20	B1	X	15.807	30.9
21	A4	Z	15.091	63.1
22	A4	Z	15.091	30.9
23	A4	X	8.713	63.1
24	A4	X	8.713	30.9
25	A3	Z	9.674	55.025
26	A3	Z	9.674	38.975
27	A3	X	5.585	55.025
28	A3	X	5.585	38.975
29	A3	Z	12.541	57.305
30	A3	Z	12.541	36.695

Member Point Loads (BLC 14 : Ice 150) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
31	A3	X	7.241	57.305
32	A3	X	7.241	36.695
33	C3	Z	9.674	55.025
34	C3	Z	9.674	38.975
35	C3	X	5.585	55.025
36	C3	X	5.585	38.975
37	C3	Z	12.541	57.305
38	C3	Z	12.541	36.695
39	C3	X	7.241	57.305
40	C3	X	7.241	36.695
41	B2	Z	7.31	55.025
42	B2	Z	7.31	38.975
43	B2	X	4.221	55.025
44	B2	X	4.221	38.975
45	B2	Z	7.458	57.305
46	B2	Z	7.458	36.695
47	B2	X	4.306	57.305
48	B2	X	4.306	36.695
49	C1	Z	2.532	84.27
50	C1	Z	2.532	81.73
51	C1	X	1.462	84.27
52	C1	X	1.462	81.73
53	C5	Z	5.065	84.27
54	C5	Z	5.065	81.73
55	C5	X	2.924	84.27
56	C5	X	2.924	81.73
57	C4	Z	49.173	82
58	C4	Z	49.173	12
59	C4	X	28.39	82
60	C4	X	28.39	12
61	B3	Z	77.7	82
62	B3	Z	77.7	12
63	B3	X	44.86	82
64	B3	X	44.86	12
65	A2	Z	49.173	82
66	A2	Z	49.173	12
67	A2	X	28.39	82
68	A2	X	28.39	12

Member Distributed Loads (BLC 2 : Wind 0)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	-11.783	-11.783	0	%100
2	M1	X	0	0	0	%100
3	M2	Z	-2.717	-2.717	0	%100
4	M2	X	0	0	0	%100
5	M3	Z	-0.478	-0.478	0	%100
6	M3	X	0	0	0	%100
7	M4	Z	-6.454	-6.454	0	%100
8	M4	X	0	0	0	%100
9	M5	Z	-18.084	-18.084	0	%100
10	M5	X	0	0	0	%100
11	M6	Z	-0.208	-0.208	0	%100
12	M6	X	0	0	0	%100
13	M7	Z	-9.128	-9.128	0	%100
14	M7	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
15	M8	Z	-6.841	-6.841	0	%100
16	M8	X	0	0	0	%100
17	M9	Z	-6.841	-6.841	0	%100
18	M9	X	0	0	0	%100
19	M10	Z	-0.269	-0.269	0	%100
20	M10	X	0	0	0	%100
21	M11	Z	-11.783	-11.783	0	%100
22	M11	X	0	0	0	%100
23	M12	Z	-2.717	-2.717	0	%100
24	M12	X	0	0	0	%100
25	M13	Z	-6.454	-6.454	0	%100
26	M13	X	0	0	0	%100
27	M14	Z	-0.478	-0.478	0	%100
28	M14	X	0	0	0	%100
29	M15	Z	-18.084	-18.084	0	%100
30	M15	X	0	0	0	%100
31	H1	Z	-0.242	-0.242	0	%100
32	H1	X	0	0	0	%100
33	H3	Z	-9.218	-9.218	0	%100
34	H3	X	0	0	0	%100
35	H2	Z	-9.218	-9.218	0	%100
36	H2	X	0	0	0	%100
37	M19	Z	-0.087	-0.087	0	%100
38	M19	X	0	0	0	%100
39	M20	Z	-5.762	-5.762	0	%100
40	M20	X	0	0	0	%100
41	M21	Z	-5.762	-5.762	0	%100
42	M21	X	0	0	0	%100
43	M22	Z	-18.855	-18.855	0	%100
44	M22	X	0	0	0	%100
45	M23	Z	-18.855	-18.855	0	%100
46	M23	X	0	0	0	%100
47	M24	Z	-2.256	-2.256	0	%100
48	M24	X	0	0	0	%100
49	C3	Z	-7.654	-7.654	0	%100
50	C3	X	0	0	0	%100
51	C2	Z	-7.654	-7.654	0	%100
52	C2	X	0	0	0	%100
53	C4	Z	-7.654	-7.654	0	%100
54	C4	X	0	0	0	%100
55	B2	Z	-7.654	-7.654	0	%100
56	B2	X	0	0	0	%100
57	B1	Z	-7.654	-7.654	0	%100
58	B1	X	0	0	0	%100
59	B3	Z	-7.654	-7.654	0	%100
60	B3	X	0	0	0	%100
61	A2	Z	-7.654	-7.654	0	%100
62	A2	X	0	0	0	%100
63	A3	Z	-7.654	-7.654	0	%100
64	A3	X	0	0	0	%100
65	C5	Z	-9.266	-9.266	0	%100
66	C5	X	0	0	0	%100
67	C1	Z	-7.654	-7.654	0	%100
68	C1	X	0	0	0	%100
69	A1	Z	-7.654	-7.654	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
70	A1	X	0	0	0	%100
71	A4	Z	-7.654	-7.654	0	%100
72	A4	X	0	0	0	%100
73	A5	Z	-7.654	-7.654	0	%100
74	A5	X	0	0	0	%100

Member Distributed Loads (BLC 3 : Wind 30)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	-13.545	-13.545	0	%100
2	M1	X	7.82	7.82	0	%100
3	M2	Z	-0.503	-0.503	0	%100
4	M2	X	0.29	0.29	0	%100
5	M3	Z	-2.027	-2.027	0	%100
6	M3	X	1.171	1.171	0	%100
7	M4	Z	-2.027	-2.027	0	%100
8	M4	X	1.171	1.171	0	%100
9	M5	Z	-20.804	-20.804	0	%100
10	M5	X	12.011	12.011	0	%100
11	M6	Z	-3.521	-3.521	0	%100
12	M6	X	2.033	2.033	0	%100
13	M7	Z	-6.054	-6.054	0	%100
14	M7	X	3.495	3.495	0	%100
15	M8	Z	-2.363	-2.363	0	%100
16	M8	X	1.364	1.364	0	%100
17	M9	Z	-7.538	-7.538	0	%100
18	M9	X	4.352	4.352	0	%100
19	M10	Z	-5.376	-5.376	0	%100
20	M10	X	3.104	3.104	0	%100
21	M11	Z	-3.521	-3.521	0	%100
22	M11	X	2.033	2.033	0	%100
23	M12	Z	-6.054	-6.054	0	%100
24	M12	X	3.495	3.495	0	%100
25	M13	Z	-7.538	-7.538	0	%100
26	M13	X	4.352	4.352	0	%100
27	M14	Z	-2.363	-2.363	0	%100
28	M14	X	1.364	1.364	0	%100
29	M15	Z	-5.376	-5.376	0	%100
30	M15	X	3.104	3.104	0	%100
31	H1	Z	-2.801	-2.801	0	%100
32	H1	X	1.617	1.617	0	%100
33	H3	Z	-2.801	-2.801	0	%100
34	H3	X	1.617	1.617	0	%100
35	H2	Z	-10.574	-10.574	0	%100
36	H2	X	6.105	6.105	0	%100
37	M19	Z	-1.714	-1.714	0	%100
38	M19	X	0.989	0.989	0	%100
39	M20	Z	-1.714	-1.714	0	%100
40	M20	X	0.989	0.989	0	%100
41	M21	Z	-6.629	-6.629	0	%100
42	M21	X	3.827	3.827	0	%100
43	M22	Z	-6.745	-6.745	0	%100
44	M22	X	3.894	3.894	0	%100
45	M23	Z	-21.12	-21.12	0	%100
46	M23	X	12.194	12.194	0	%100
47	M24	Z	-6.745	-6.745	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
48	M24	X	3.894	3.894	0	%100
49	C3	Z	-6.629	-6.629	0	%100
50	C3	X	3.827	3.827	0	%100
51	C2	Z	-6.629	-6.629	0	%100
52	C2	X	3.827	3.827	0	%100
53	C4	Z	-6.629	-6.629	0	%100
54	C4	X	3.827	3.827	0	%100
55	B2	Z	-6.629	-6.629	0	%100
56	B2	X	3.827	3.827	0	%100
57	B1	Z	-6.629	-6.629	0	%100
58	B1	X	3.827	3.827	0	%100
59	B3	Z	-6.629	-6.629	0	%100
60	B3	X	3.827	3.827	0	%100
61	A2	Z	-6.629	-6.629	0	%100
62	A2	X	3.827	3.827	0	%100
63	A3	Z	-6.629	-6.629	0	%100
64	A3	X	3.827	3.827	0	%100
65	C5	Z	-8.024	-8.024	0	%100
66	C5	X	4.633	4.633	0	%100
67	C1	Z	-6.629	-6.629	0	%100
68	C1	X	3.827	3.827	0	%100
69	A1	Z	-6.629	-6.629	0	%100
70	A1	X	3.827	3.827	0	%100
71	A4	Z	-6.629	-6.629	0	%100
72	A4	X	3.827	3.827	0	%100
73	A5	Z	-6.629	-6.629	0	%100
74	A5	X	3.827	3.827	0	%100

Member Distributed Loads (BLC 4 : Wind 60)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	-5.891	-5.891	0	%100
2	M1	X	10.204	10.204	0	%100
3	M2	Z	-1.359	-1.359	0	%100
4	M2	X	2.353	2.353	0	%100
5	M3	Z	-3.227	-3.227	0	%100
6	M3	X	5.589	5.589	0	%100
7	M4	Z	-0.239	-0.239	0	%100
8	M4	X	0.414	0.414	0	%100
9	M5	Z	-9.042	-9.042	0	%100
10	M5	X	15.661	15.661	0	%100
11	M6	Z	-5.891	-5.891	0	%100
12	M6	X	10.204	10.204	0	%100
13	M7	Z	-1.359	-1.359	0	%100
14	M7	X	2.353	2.353	0	%100
15	M8	Z	-0.239	-0.239	0	%100
16	M8	X	0.414	0.414	0	%100
17	M9	Z	-3.227	-3.227	0	%100
18	M9	X	5.589	5.589	0	%100
19	M10	Z	-9.042	-9.042	0	%100
20	M10	X	15.661	15.661	0	%100
21	M11	Z	-0.104	-0.104	0	%100
22	M11	X	0.18	0.18	0	%100
23	M12	Z	-4.564	-4.564	0	%100
24	M12	X	7.905	7.905	0	%100
25	M13	Z	-3.421	-3.421	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
26	M13	X	5.925	5.925	0	%100
27	M14	Z	-3.421	-3.421	0	%100
28	M14	X	5.925	5.925	0	%100
29	M15	Z	-0.135	-0.135	0	%100
30	M15	X	0.233	0.233	0	%100
31	H1	Z	-4.609	-4.609	0	%100
32	H1	X	7.983	7.983	0	%100
33	H3	Z	-0.121	-0.121	0	%100
34	H3	X	0.209	0.209	0	%100
35	H2	Z	-4.609	-4.609	0	%100
36	H2	X	7.983	7.983	0	%100
37	M19	Z	-2.881	-2.881	0	%100
38	M19	X	4.99	4.99	0	%100
39	M20	Z	-0.043	-0.043	0	%100
40	M20	X	0.075	0.075	0	%100
41	M21	Z	-2.881	-2.881	0	%100
42	M21	X	4.99	4.99	0	%100
43	M22	Z	-1.128	-1.128	0	%100
44	M22	X	1.954	1.954	0	%100
45	M23	Z	-9.427	-9.427	0	%100
46	M23	X	16.329	16.329	0	%100
47	M24	Z	-9.427	-9.427	0	%100
48	M24	X	16.329	16.329	0	%100
49	C3	Z	-3.827	-3.827	0	%100
50	C3	X	6.629	6.629	0	%100
51	C2	Z	-3.827	-3.827	0	%100
52	C2	X	6.629	6.629	0	%100
53	C4	Z	-3.827	-3.827	0	%100
54	C4	X	6.629	6.629	0	%100
55	B2	Z	-3.827	-3.827	0	%100
56	B2	X	6.629	6.629	0	%100
57	B1	Z	-3.827	-3.827	0	%100
58	B1	X	6.629	6.629	0	%100
59	B3	Z	-3.827	-3.827	0	%100
60	B3	X	6.629	6.629	0	%100
61	A2	Z	-3.827	-3.827	0	%100
62	A2	X	6.629	6.629	0	%100
63	A3	Z	-3.827	-3.827	0	%100
64	A3	X	6.629	6.629	0	%100
65	C5	Z	-4.633	-4.633	0	%100
66	C5	X	8.024	8.024	0	%100
67	C1	Z	-3.827	-3.827	0	%100
68	C1	X	6.629	6.629	0	%100
69	A1	Z	-3.827	-3.827	0	%100
70	A1	X	6.629	6.629	0	%100
71	A4	Z	-3.827	-3.827	0	%100
72	A4	X	6.629	6.629	0	%100
73	A5	Z	-3.827	-3.827	0	%100
74	A5	X	6.629	6.629	0	%100

Member Distributed Loads (BLC 5 : Wind 90)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	0	0	0	%100
2	M1	X	4.066	4.066	0	%100
3	M2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
4	M2	X	6.991	6.991	0	%100
5	M3	Z	0	0	0	%100
6	M3	X	8.704	8.704	0	%100
7	M4	Z	0	0	0	%100
8	M4	X	2.729	2.729	0	%100
9	M5	Z	0	0	0	%100
10	M5	X	6.208	6.208	0	%100
11	M6	Z	0	0	0	%100
12	M6	X	15.641	15.641	0	%100
13	M7	Z	0	0	0	%100
14	M7	X	0.581	0.581	0	%100
15	M8	Z	0	0	0	%100
16	M8	X	2.341	2.341	0	%100
17	M9	Z	0	0	0	%100
18	M9	X	2.341	2.341	0	%100
19	M10	Z	0	0	0	%100
20	M10	X	24.022	24.022	0	%100
21	M11	Z	0	0	0	%100
22	M11	X	4.066	4.066	0	%100
23	M12	Z	0	0	0	%100
24	M12	X	6.991	6.991	0	%100
25	M13	Z	0	0	0	%100
26	M13	X	2.729	2.729	0	%100
27	M14	Z	0	0	0	%100
28	M14	X	8.704	8.704	0	%100
29	M15	Z	0	0	0	%100
30	M15	X	6.208	6.208	0	%100
31	H1	Z	0	0	0	%100
32	H1	X	12.21	12.21	0	%100
33	H3	Z	0	0	0	%100
34	H3	X	3.234	3.234	0	%100
35	H2	Z	0	0	0	%100
36	H2	X	3.234	3.234	0	%100
37	M19	Z	0	0	0	%100
38	M19	X	7.654	7.654	0	%100
39	M20	Z	0	0	0	%100
40	M20	X	1.979	1.979	0	%100
41	M21	Z	0	0	0	%100
42	M21	X	1.979	1.979	0	%100
43	M22	Z	0	0	0	%100
44	M22	X	7.789	7.789	0	%100
45	M23	Z	0	0	0	%100
46	M23	X	7.789	7.789	0	%100
47	M24	Z	0	0	0	%100
48	M24	X	24.388	24.388	0	%100
49	C3	Z	0	0	0	%100
50	C3	X	7.654	7.654	0	%100
51	C2	Z	0	0	0	%100
52	C2	X	7.654	7.654	0	%100
53	C4	Z	0	0	0	%100
54	C4	X	7.654	7.654	0	%100
55	B2	Z	0	0	0	%100
56	B2	X	7.654	7.654	0	%100
57	B1	Z	0	0	0	%100
58	B1	X	7.654	7.654	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
59	B3	Z	0	0	0	%100
60	B3	X	7.654	7.654	0	%100
61	A2	Z	0	0	0	%100
62	A2	X	7.654	7.654	0	%100
63	A3	Z	0	0	0	%100
64	A3	X	7.654	7.654	0	%100
65	C5	Z	0	0	0	%100
66	C5	X	9.266	9.266	0	%100
67	C1	Z	0	0	0	%100
68	C1	X	7.654	7.654	0	%100
69	A1	Z	0	0	0	%100
70	A1	X	7.654	7.654	0	%100
71	A4	Z	0	0	0	%100
72	A4	X	7.654	7.654	0	%100
73	A5	Z	0	0	0	%100
74	A5	X	7.654	7.654	0	%100

Member Distributed Loads (BLC 6 : Wind 120)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	0.104	0.104	0	%100
2	M1	X	0.18	0.18	0	%100
3	M2	Z	4.564	4.564	0	%100
4	M2	X	7.905	7.905	0	%100
5	M3	Z	3.421	3.421	0	%100
6	M3	X	5.925	5.925	0	%100
7	M4	Z	3.421	3.421	0	%100
8	M4	X	5.925	5.925	0	%100
9	M5	Z	0.135	0.135	0	%100
10	M5	X	0.233	0.233	0	%100
11	M6	Z	5.891	5.891	0	%100
12	M6	X	10.204	10.204	0	%100
13	M7	Z	1.359	1.359	0	%100
14	M7	X	2.353	2.353	0	%100
15	M8	Z	3.227	3.227	0	%100
16	M8	X	5.589	5.589	0	%100
17	M9	Z	0.239	0.239	0	%100
18	M9	X	0.414	0.414	0	%100
19	M10	Z	9.042	9.042	0	%100
20	M10	X	15.661	15.661	0	%100
21	M11	Z	5.891	5.891	0	%100
22	M11	X	10.204	10.204	0	%100
23	M12	Z	1.359	1.359	0	%100
24	M12	X	2.353	2.353	0	%100
25	M13	Z	0.239	0.239	0	%100
26	M13	X	0.414	0.414	0	%100
27	M14	Z	3.227	3.227	0	%100
28	M14	X	5.589	5.589	0	%100
29	M15	Z	9.042	9.042	0	%100
30	M15	X	15.661	15.661	0	%100
31	H1	Z	4.609	4.609	0	%100
32	H1	X	7.983	7.983	0	%100
33	H3	Z	4.609	4.609	0	%100
34	H3	X	7.983	7.983	0	%100
35	H2	Z	0.121	0.121	0	%100
36	H2	X	0.209	0.209	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
37	M19	Z	2.881	2.881	0	%100
38	M19	X	4.99	4.99	0	%100
39	M20	Z	2.881	2.881	0	%100
40	M20	X	4.99	4.99	0	%100
41	M21	Z	0.043	0.043	0	%100
42	M21	X	0.075	0.075	0	%100
43	M22	Z	9.427	9.427	0	%100
44	M22	X	16.329	16.329	0	%100
45	M23	Z	1.128	1.128	0	%100
46	M23	X	1.954	1.954	0	%100
47	M24	Z	9.427	9.427	0	%100
48	M24	X	16.329	16.329	0	%100
49	C3	Z	3.827	3.827	0	%100
50	C3	X	6.629	6.629	0	%100
51	C2	Z	3.827	3.827	0	%100
52	C2	X	6.629	6.629	0	%100
53	C4	Z	3.827	3.827	0	%100
54	C4	X	6.629	6.629	0	%100
55	B2	Z	3.827	3.827	0	%100
56	B2	X	6.629	6.629	0	%100
57	B1	Z	3.827	3.827	0	%100
58	B1	X	6.629	6.629	0	%100
59	B3	Z	3.827	3.827	0	%100
60	B3	X	6.629	6.629	0	%100
61	A2	Z	3.827	3.827	0	%100
62	A2	X	6.629	6.629	0	%100
63	A3	Z	3.827	3.827	0	%100
64	A3	X	6.629	6.629	0	%100
65	C5	Z	4.633	4.633	0	%100
66	C5	X	8.024	8.024	0	%100
67	C1	Z	3.827	3.827	0	%100
68	C1	X	6.629	6.629	0	%100
69	A1	Z	3.827	3.827	0	%100
70	A1	X	6.629	6.629	0	%100
71	A4	Z	3.827	3.827	0	%100
72	A4	X	6.629	6.629	0	%100
73	A5	Z	3.827	3.827	0	%100
74	A5	X	6.629	6.629	0	%100

Member Distributed Loads (BLC 7 : Wind 150)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	3.521	3.521	0	%100
2	M1	X	2.033	2.033	0	%100
3	M2	Z	6.054	6.054	0	%100
4	M2	X	3.495	3.495	0	%100
5	M3	Z	2.363	2.363	0	%100
6	M3	X	1.364	1.364	0	%100
7	M4	Z	7.538	7.538	0	%100
8	M4	X	4.352	4.352	0	%100
9	M5	Z	5.376	5.376	0	%100
10	M5	X	3.104	3.104	0	%100
11	M6	Z	3.521	3.521	0	%100
12	M6	X	2.033	2.033	0	%100
13	M7	Z	6.054	6.054	0	%100
14	M7	X	3.495	3.495	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
15	M8	Z	7.538	7.538	0	%100
16	M8	X	4.352	4.352	0	%100
17	M9	Z	2.363	2.363	0	%100
18	M9	X	1.364	1.364	0	%100
19	M10	Z	5.376	5.376	0	%100
20	M10	X	3.104	3.104	0	%100
21	M11	Z	13.545	13.545	0	%100
22	M11	X	7.82	7.82	0	%100
23	M12	Z	0.503	0.503	0	%100
24	M12	X	0.29	0.29	0	%100
25	M13	Z	2.027	2.027	0	%100
26	M13	X	1.171	1.171	0	%100
27	M14	Z	2.027	2.027	0	%100
28	M14	X	1.171	1.171	0	%100
29	M15	Z	20.804	20.804	0	%100
30	M15	X	12.011	12.011	0	%100
31	H1	Z	2.801	2.801	0	%100
32	H1	X	1.617	1.617	0	%100
33	H3	Z	10.574	10.574	0	%100
34	H3	X	6.105	6.105	0	%100
35	H2	Z	2.801	2.801	0	%100
36	H2	X	1.617	1.617	0	%100
37	M19	Z	1.714	1.714	0	%100
38	M19	X	0.989	0.989	0	%100
39	M20	Z	6.629	6.629	0	%100
40	M20	X	3.827	3.827	0	%100
41	M21	Z	1.714	1.714	0	%100
42	M21	X	0.989	0.989	0	%100
43	M22	Z	21.12	21.12	0	%100
44	M22	X	12.194	12.194	0	%100
45	M23	Z	6.745	6.745	0	%100
46	M23	X	3.894	3.894	0	%100
47	M24	Z	6.745	6.745	0	%100
48	M24	X	3.894	3.894	0	%100
49	C3	Z	6.629	6.629	0	%100
50	C3	X	3.827	3.827	0	%100
51	C2	Z	6.629	6.629	0	%100
52	C2	X	3.827	3.827	0	%100
53	C4	Z	6.629	6.629	0	%100
54	C4	X	3.827	3.827	0	%100
55	B2	Z	6.629	6.629	0	%100
56	B2	X	3.827	3.827	0	%100
57	B1	Z	6.629	6.629	0	%100
58	B1	X	3.827	3.827	0	%100
59	B3	Z	6.629	6.629	0	%100
60	B3	X	3.827	3.827	0	%100
61	A2	Z	6.629	6.629	0	%100
62	A2	X	3.827	3.827	0	%100
63	A3	Z	6.629	6.629	0	%100
64	A3	X	3.827	3.827	0	%100
65	C5	Z	8.024	8.024	0	%100
66	C5	X	4.633	4.633	0	%100
67	C1	Z	6.629	6.629	0	%100
68	C1	X	3.827	3.827	0	%100
69	A1	Z	6.629	6.629	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
70	A1	X	3.827	3.827	0	%100
71	A4	Z	6.629	6.629	0	%100
72	A4	X	3.827	3.827	0	%100
73	A5	Z	6.629	6.629	0	%100
74	A5	X	3.827	3.827	0	%100

Member Distributed Loads (BLC 8 : Ice Load)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Y	-10.655	-10.655	0	%100
2	M2	Y	-12.012	-12.012	0	%100
3	M3	Y	-9.551	-9.551	0	%100
4	M4	Y	-9.551	-9.551	0	%100
5	M5	Y	-17.284	-17.284	0	%100
6	M6	Y	-10.655	-10.655	0	%100
7	M7	Y	-12.012	-12.012	0	%100
8	M8	Y	-9.551	-9.551	0	%100
9	M9	Y	-9.551	-9.551	0	%100
10	M10	Y	-17.284	-17.284	0	%100
11	M11	Y	-10.655	-10.655	0	%100
12	M12	Y	-12.012	-12.012	0	%100
13	M13	Y	-9.551	-9.551	0	%100
14	M14	Y	-9.551	-9.551	0	%100
15	M15	Y	-17.284	-17.284	0	%100
16	H1	Y	-12.012	-12.012	0	%100
17	H3	Y	-12.012	-12.012	0	%100
18	H2	Y	-12.012	-12.012	0	%100
19	M19	Y	-8.599	-8.599	0	%100
20	M20	Y	-8.599	-8.599	0	%100
21	M21	Y	-8.599	-8.599	0	%100
22	M22	Y	-20.358	-20.358	0	%100
23	M23	Y	-20.358	-20.358	0	%100
24	M24	Y	-20.358	-20.358	0	%100
25	C3	Y	-8.599	-8.599	0	%100
26	C2	Y	-8.599	-8.599	0	%100
27	C4	Y	-8.599	-8.599	0	%100
28	B2	Y	-8.599	-8.599	0	%100
29	B1	Y	-8.599	-8.599	0	%100
30	B3	Y	-8.599	-8.599	0	%100
31	A2	Y	-8.599	-8.599	0	%100
32	A3	Y	-8.599	-8.599	0	%100
33	C5	Y	-9.649	-9.649	0	%100
34	C1	Y	-8.599	-8.599	0	%100
35	A1	Y	-8.599	-8.599	0	%100
36	A4	Y	-8.599	-8.599	0	%100
37	A5	Y	-8.599	-8.599	0	%100

Member Distributed Loads (BLC 9 : Ice 0)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	-4.851	-4.851	0	%100
2	M1	X	0	0	0	%100
3	M2	Z	-1.299	-1.299	0	%100
4	M2	X	0	0	0	%100
5	M3	Z	-0.795	-0.795	0	%100

Member Distributed Loads (BLC 9 : Ice 0) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
6	M3	X	0	0	0	%100
7	M4	Z	-3.845	-3.845	0	%100
8	M4	X	0	0	0	%100
9	M5	Z	-6.51	-6.51	0	%100
10	M5	X	0	0	0	%100
11	M6	Z	-0.333	-0.333	0	%100
12	M6	X	0	0	0	%100
13	M7	Z	-3.808	-3.808	0	%100
14	M7	X	0	0	0	%100
15	M8	Z	-4.043	-4.043	0	%100
16	M8	X	0	0	0	%100
17	M9	Z	-4.043	-4.043	0	%100
18	M9	X	0	0	0	%100
19	M10	Z	-0.661	-0.661	0	%100
20	M10	X	0	0	0	%100
21	M11	Z	-4.851	-4.851	0	%100
22	M11	X	0	0	0	%100
23	M12	Z	-1.299	-1.299	0	%100
24	M12	X	0	0	0	%100
25	M13	Z	-3.845	-3.845	0	%100
26	M13	X	0	0	0	%100
27	M14	Z	-0.795	-0.795	0	%100
28	M14	X	0	0	0	%100
29	M15	Z	-6.51	-6.51	0	%100
30	M15	X	0	0	0	%100
31	H1	Z	-0.193	-0.193	0	%100
32	H1	X	0	0	0	%100
33	H3	Z	-3.361	-3.361	0	%100
34	H3	X	0	0	0	%100
35	H2	Z	-3.361	-3.361	0	%100
36	H2	X	0	0	0	%100
37	M19	Z	-0.118	-0.118	0	%100
38	M19	X	0	0	0	%100
39	M20	Z	-2.847	-2.847	0	%100
40	M20	X	0	0	0	%100
41	M21	Z	-2.847	-2.847	0	%100
42	M21	X	0	0	0	%100
43	M22	Z	-6.756	-6.756	0	%100
44	M22	X	0	0	0	%100
45	M23	Z	-6.756	-6.756	0	%100
46	M23	X	0	0	0	%100
47	M24	Z	-1.379	-1.379	0	%100
48	M24	X	0	0	0	%100
49	C3	Z	-3.757	-3.757	0	%100
50	C3	X	0	0	0	%100
51	C2	Z	-3.757	-3.757	0	%100
52	C2	X	0	0	0	%100
53	C4	Z	-3.757	-3.757	0	%100
54	C4	X	0	0	0	%100
55	B2	Z	-3.757	-3.757	0	%100
56	B2	X	0	0	0	%100
57	B1	Z	-3.757	-3.757	0	%100
58	B1	X	0	0	0	%100
59	B3	Z	-3.757	-3.757	0	%100
60	B3	X	0	0	0	%100

Member Distributed Loads (BLC 9 : Ice 0) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
61	A2	Z	-3.757	-3.757	0	%100
62	A2	X	0	0	0	%100
63	A3	Z	-3.757	-3.757	0	%100
64	A3	X	0	0	0	%100
65	C5	Z	-3.96	-3.96	0	%100
66	C5	X	0	0	0	%100
67	C1	Z	-3.757	-3.757	0	%100
68	C1	X	0	0	0	%100
69	A1	Z	-3.757	-3.757	0	%100
70	A1	X	0	0	0	%100
71	A4	Z	-3.757	-3.757	0	%100
72	A4	X	0	0	0	%100
73	A5	Z	-3.46	-3.46	0	%100
74	A5	X	0	0	0	%100

Member Distributed Loads (BLC 10 : Ice 30)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	-5.505	-5.505	0	%100
2	M1	X	3.179	3.179	0	%100
3	M2	Z	-0.401	-0.401	0	%100
4	M2	X	0.232	0.232	0	%100
5	M3	Z	-1.512	-1.512	0	%100
6	M3	X	0.873	0.873	0	%100
7	M4	Z	-1.512	-1.512	0	%100
8	M4	X	0.873	0.873	0	%100
9	M5	Z	-7.326	-7.326	0	%100
10	M5	X	4.23	4.23	0	%100
11	M6	Z	-1.593	-1.593	0	%100
12	M6	X	0.92	0.92	0	%100
13	M7	Z	-2.574	-2.574	0	%100
14	M7	X	1.486	1.486	0	%100
15	M8	Z	-1.683	-1.683	0	%100
16	M8	X	0.972	0.972	0	%100
17	M9	Z	-4.324	-4.324	0	%100
18	M9	X	2.497	2.497	0	%100
19	M10	Z	-2.261	-2.261	0	%100
20	M10	X	1.305	1.305	0	%100
21	M11	Z	-1.593	-1.593	0	%100
22	M11	X	0.92	0.92	0	%100
23	M12	Z	-2.574	-2.574	0	%100
24	M12	X	1.486	1.486	0	%100
25	M13	Z	-4.324	-4.324	0	%100
26	M13	X	2.497	2.497	0	%100
27	M14	Z	-1.683	-1.683	0	%100
28	M14	X	0.972	0.972	0	%100
29	M15	Z	-2.261	-2.261	0	%100
30	M15	X	1.305	1.305	0	%100
31	H1	Z	-1.082	-1.082	0	%100
32	H1	X	0.624	0.624	0	%100
33	H3	Z	-1.082	-1.082	0	%100
34	H3	X	0.624	0.624	0	%100
35	H2	Z	-3.825	-3.825	0	%100
36	H2	X	2.209	2.209	0	%100
37	M19	Z	-0.89	-0.89	0	%100
38	M19	X	0.514	0.514	0	%100

Member Distributed Loads (BLC 10 : Ice 30) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
39	M20	Z	-0.89	-0.89	0	%100
40	M20	X	0.514	0.514	0	%100
41	M21	Z	-3.253	-3.253	0	%100
42	M21	X	1.878	1.878	0	%100
43	M22	Z	-2.746	-2.746	0	%100
44	M22	X	1.586	1.586	0	%100
45	M23	Z	-7.403	-7.403	0	%100
46	M23	X	4.274	4.274	0	%100
47	M24	Z	-2.746	-2.746	0	%100
48	M24	X	1.586	1.586	0	%100
49	C3	Z	-3.253	-3.253	0	%100
50	C3	X	1.878	1.878	0	%100
51	C2	Z	-3.253	-3.253	0	%100
52	C2	X	1.878	1.878	0	%100
53	C4	Z	-3.253	-3.253	0	%100
54	C4	X	1.878	1.878	0	%100
55	B2	Z	-3.253	-3.253	0	%100
56	B2	X	1.878	1.878	0	%100
57	B1	Z	-3.253	-3.253	0	%100
58	B1	X	1.878	1.878	0	%100
59	B3	Z	-3.253	-3.253	0	%100
60	B3	X	1.878	1.878	0	%100
61	A2	Z	-3.253	-3.253	0	%100
62	A2	X	1.878	1.878	0	%100
63	A3	Z	-3.253	-3.253	0	%100
64	A3	X	1.878	1.878	0	%100
65	C5	Z	-3.429	-3.429	0	%100
66	C5	X	1.98	1.98	0	%100
67	C1	Z	-3.253	-3.253	0	%100
68	C1	X	1.878	1.878	0	%100
69	A1	Z	-3.253	-3.253	0	%100
70	A1	X	1.878	1.878	0	%100
71	A4	Z	-3.253	-3.253	0	%100
72	A4	X	1.878	1.878	0	%100
73	A5	Z	-2.996	-2.996	0	%100
74	A5	X	1.73	1.73	0	%100

Member Distributed Loads (BLC 11 : Ice 60)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	-2.426	-2.426	0	%100
2	M1	X	4.201	4.201	0	%100
3	M2	Z	-0.65	-0.65	0	%100
4	M2	X	1.125	1.125	0	%100
5	M3	Z	-1.922	-1.922	0	%100
6	M3	X	3.33	3.33	0	%100
7	M4	Z	-0.397	-0.397	0	%100
8	M4	X	0.688	0.688	0	%100
9	M5	Z	-3.255	-3.255	0	%100
10	M5	X	5.637	5.637	0	%100
11	M6	Z	-2.426	-2.426	0	%100
12	M6	X	4.201	4.201	0	%100
13	M7	Z	-0.65	-0.65	0	%100
14	M7	X	1.125	1.125	0	%100
15	M8	Z	-0.397	-0.397	0	%100
16	M8	X	0.688	0.688	0	%100

Member Distributed Loads (BLC 11 : Ice 60) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
17	M9	Z	-1.922	-1.922	0	%100
18	M9	X	3.33	3.33	0	%100
19	M10	Z	-3.255	-3.255	0	%100
20	M10	X	5.637	5.637	0	%100
21	M11	Z	-0.167	-0.167	0	%100
22	M11	X	0.289	0.289	0	%100
23	M12	Z	-1.904	-1.904	0	%100
24	M12	X	3.298	3.298	0	%100
25	M13	Z	-2.021	-2.021	0	%100
26	M13	X	3.501	3.501	0	%100
27	M14	Z	-2.021	-2.021	0	%100
28	M14	X	3.501	3.501	0	%100
29	M15	Z	-0.331	-0.331	0	%100
30	M15	X	0.573	0.573	0	%100
31	H1	Z	-1.681	-1.681	0	%100
32	H1	X	2.911	2.911	0	%100
33	H3	Z	-0.096	-0.096	0	%100
34	H3	X	0.167	0.167	0	%100
35	H2	Z	-1.681	-1.681	0	%100
36	H2	X	2.911	2.911	0	%100
37	M19	Z	-1.423	-1.423	0	%100
38	M19	X	2.465	2.465	0	%100
39	M20	Z	-0.059	-0.059	0	%100
40	M20	X	0.102	0.102	0	%100
41	M21	Z	-1.423	-1.423	0	%100
42	M21	X	2.465	2.465	0	%100
43	M22	Z	-0.689	-0.689	0	%100
44	M22	X	1.194	1.194	0	%100
45	M23	Z	-3.378	-3.378	0	%100
46	M23	X	5.851	5.851	0	%100
47	M24	Z	-3.378	-3.378	0	%100
48	M24	X	5.851	5.851	0	%100
49	C3	Z	-1.878	-1.878	0	%100
50	C3	X	3.253	3.253	0	%100
51	C2	Z	-1.878	-1.878	0	%100
52	C2	X	3.253	3.253	0	%100
53	C4	Z	-1.878	-1.878	0	%100
54	C4	X	3.253	3.253	0	%100
55	B2	Z	-1.878	-1.878	0	%100
56	B2	X	3.253	3.253	0	%100
57	B1	Z	-1.878	-1.878	0	%100
58	B1	X	3.253	3.253	0	%100
59	B3	Z	-1.878	-1.878	0	%100
60	B3	X	3.253	3.253	0	%100
61	A2	Z	-1.878	-1.878	0	%100
62	A2	X	3.253	3.253	0	%100
63	A3	Z	-1.878	-1.878	0	%100
64	A3	X	3.253	3.253	0	%100
65	C5	Z	-1.98	-1.98	0	%100
66	C5	X	3.429	3.429	0	%100
67	C1	Z	-1.878	-1.878	0	%100
68	C1	X	3.253	3.253	0	%100
69	A1	Z	-1.878	-1.878	0	%100
70	A1	X	3.253	3.253	0	%100
71	A4	Z	-1.878	-1.878	0	%100

Member Distributed Loads (BLC 11 : Ice 60) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
72	A4	X	3.253	3.253	0	%100
73	A5	Z	-1.73	-1.73	0	%100
74	A5	X	2.996	2.996	0	%100

Member Distributed Loads (BLC 12 : Ice 90)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	0	0	0	%100
2	M1	X	1.839	1.839	0	%100
3	M2	Z	0	0	0	%100
4	M2	X	2.972	2.972	0	%100
5	M3	Z	0	0	0	%100
6	M3	X	4.993	4.993	0	%100
7	M4	Z	0	0	0	%100
8	M4	X	1.943	1.943	0	%100
9	M5	Z	0	0	0	%100
10	M5	X	2.611	2.611	0	%100
11	M6	Z	0	0	0	%100
12	M6	X	6.357	6.357	0	%100
13	M7	Z	0	0	0	%100
14	M7	X	0.463	0.463	0	%100
15	M8	Z	0	0	0	%100
16	M8	X	1.746	1.746	0	%100
17	M9	Z	0	0	0	%100
18	M9	X	1.746	1.746	0	%100
19	M10	Z	0	0	0	%100
20	M10	X	8.459	8.459	0	%100
21	M11	Z	0	0	0	%100
22	M11	X	1.839	1.839	0	%100
23	M12	Z	0	0	0	%100
24	M12	X	2.972	2.972	0	%100
25	M13	Z	0	0	0	%100
26	M13	X	1.943	1.943	0	%100
27	M14	Z	0	0	0	%100
28	M14	X	4.993	4.993	0	%100
29	M15	Z	0	0	0	%100
30	M15	X	2.611	2.611	0	%100
31	H1	Z	0	0	0	%100
32	H1	X	4.417	4.417	0	%100
33	H3	Z	0	0	0	%100
34	H3	X	1.249	1.249	0	%100
35	H2	Z	0	0	0	%100
36	H2	X	1.249	1.249	0	%100
37	M19	Z	0	0	0	%100
38	M19	X	3.757	3.757	0	%100
39	M20	Z	0	0	0	%100
40	M20	X	1.028	1.028	0	%100
41	M21	Z	0	0	0	%100
42	M21	X	1.028	1.028	0	%100
43	M22	Z	0	0	0	%100
44	M22	X	3.171	3.171	0	%100
45	M23	Z	0	0	0	%100
46	M23	X	3.171	3.171	0	%100
47	M24	Z	0	0	0	%100
48	M24	X	8.549	8.549	0	%100
49	C3	Z	0	0	0	%100

Member Distributed Loads (BLC 12 : Ice 90) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
50	C3	X	3.757	3.757	0	%100
51	C2	Z	0	0	0	%100
52	C2	X	3.757	3.757	0	%100
53	C4	Z	0	0	0	%100
54	C4	X	3.757	3.757	0	%100
55	B2	Z	0	0	0	%100
56	B2	X	3.757	3.757	0	%100
57	B1	Z	0	0	0	%100
58	B1	X	3.757	3.757	0	%100
59	B3	Z	0	0	0	%100
60	B3	X	3.757	3.757	0	%100
61	A2	Z	0	0	0	%100
62	A2	X	3.757	3.757	0	%100
63	A3	Z	0	0	0	%100
64	A3	X	3.757	3.757	0	%100
65	C5	Z	0	0	0	%100
66	C5	X	3.96	3.96	0	%100
67	C1	Z	0	0	0	%100
68	C1	X	3.757	3.757	0	%100
69	A1	Z	0	0	0	%100
70	A1	X	3.757	3.757	0	%100
71	A4	Z	0	0	0	%100
72	A4	X	3.757	3.757	0	%100
73	A5	Z	0	0	0	%100
74	A5	X	3.46	3.46	0	%100

Member Distributed Loads (BLC 13 : Ice 120)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	0.167	0.167	0	%100
2	M1	X	0.289	0.289	0	%100
3	M2	Z	1.904	1.904	0	%100
4	M2	X	3.298	3.298	0	%100
5	M3	Z	2.021	2.021	0	%100
6	M3	X	3.501	3.501	0	%100
7	M4	Z	2.021	2.021	0	%100
8	M4	X	3.501	3.501	0	%100
9	M5	Z	0.331	0.331	0	%100
10	M5	X	0.573	0.573	0	%100
11	M6	Z	2.426	2.426	0	%100
12	M6	X	4.201	4.201	0	%100
13	M7	Z	0.65	0.65	0	%100
14	M7	X	1.125	1.125	0	%100
15	M8	Z	1.922	1.922	0	%100
16	M8	X	3.33	3.33	0	%100
17	M9	Z	0.397	0.397	0	%100
18	M9	X	0.688	0.688	0	%100
19	M10	Z	3.255	3.255	0	%100
20	M10	X	5.637	5.637	0	%100
21	M11	Z	2.426	2.426	0	%100
22	M11	X	4.201	4.201	0	%100
23	M12	Z	0.65	0.65	0	%100
24	M12	X	1.125	1.125	0	%100
25	M13	Z	0.397	0.397	0	%100
26	M13	X	0.688	0.688	0	%100
27	M14	Z	1.922	1.922	0	%100

Member Distributed Loads (BLC 13 : Ice 120) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
28	M14	X	3.33	3.33	0	%100
29	M15	Z	3.255	3.255	0	%100
30	M15	X	5.637	5.637	0	%100
31	H1	Z	1.681	1.681	0	%100
32	H1	X	2.911	2.911	0	%100
33	H3	Z	1.681	1.681	0	%100
34	H3	X	2.911	2.911	0	%100
35	H2	Z	0.096	0.096	0	%100
36	H2	X	0.167	0.167	0	%100
37	M19	Z	1.423	1.423	0	%100
38	M19	X	2.465	2.465	0	%100
39	M20	Z	1.423	1.423	0	%100
40	M20	X	2.465	2.465	0	%100
41	M21	Z	0.059	0.059	0	%100
42	M21	X	0.102	0.102	0	%100
43	M22	Z	3.378	3.378	0	%100
44	M22	X	5.851	5.851	0	%100
45	M23	Z	0.689	0.689	0	%100
46	M23	X	1.194	1.194	0	%100
47	M24	Z	3.378	3.378	0	%100
48	M24	X	5.851	5.851	0	%100
49	C3	Z	1.878	1.878	0	%100
50	C3	X	3.253	3.253	0	%100
51	C2	Z	1.878	1.878	0	%100
52	C2	X	3.253	3.253	0	%100
53	C4	Z	1.878	1.878	0	%100
54	C4	X	3.253	3.253	0	%100
55	B2	Z	1.878	1.878	0	%100
56	B2	X	3.253	3.253	0	%100
57	B1	Z	1.878	1.878	0	%100
58	B1	X	3.253	3.253	0	%100
59	B3	Z	1.878	1.878	0	%100
60	B3	X	3.253	3.253	0	%100
61	A2	Z	1.878	1.878	0	%100
62	A2	X	3.253	3.253	0	%100
63	A3	Z	1.878	1.878	0	%100
64	A3	X	3.253	3.253	0	%100
65	C5	Z	1.98	1.98	0	%100
66	C5	X	3.429	3.429	0	%100
67	C1	Z	1.878	1.878	0	%100
68	C1	X	3.253	3.253	0	%100
69	A1	Z	1.878	1.878	0	%100
70	A1	X	3.253	3.253	0	%100
71	A4	Z	1.878	1.878	0	%100
72	A4	X	3.253	3.253	0	%100
73	A5	Z	1.73	1.73	0	%100
74	A5	X	2.996	2.996	0	%100

Member Distributed Loads (BLC 14 : Ice 150)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M1	Z	1.593	1.593	0	%100
2	M1	X	0.92	0.92	0	%100
3	M2	Z	2.574	2.574	0	%100
4	M2	X	1.486	1.486	0	%100
5	M3	Z	1.683	1.683	0	%100

Member Distributed Loads (BLC 14 : Ice 150) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
6	M3	X	0.972	0.972	0	%100
7	M4	Z	4.324	4.324	0	%100
8	M4	X	2.497	2.497	0	%100
9	M5	Z	2.261	2.261	0	%100
10	M5	X	1.305	1.305	0	%100
11	M6	Z	1.593	1.593	0	%100
12	M6	X	0.92	0.92	0	%100
13	M7	Z	2.574	2.574	0	%100
14	M7	X	1.486	1.486	0	%100
15	M8	Z	4.324	4.324	0	%100
16	M8	X	2.497	2.497	0	%100
17	M9	Z	1.683	1.683	0	%100
18	M9	X	0.972	0.972	0	%100
19	M10	Z	2.261	2.261	0	%100
20	M10	X	1.305	1.305	0	%100
21	M11	Z	5.505	5.505	0	%100
22	M11	X	3.179	3.179	0	%100
23	M12	Z	0.401	0.401	0	%100
24	M12	X	0.232	0.232	0	%100
25	M13	Z	1.512	1.512	0	%100
26	M13	X	0.873	0.873	0	%100
27	M14	Z	1.512	1.512	0	%100
28	M14	X	0.873	0.873	0	%100
29	M15	Z	7.326	7.326	0	%100
30	M15	X	4.23	4.23	0	%100
31	H1	Z	1.082	1.082	0	%100
32	H1	X	0.624	0.624	0	%100
33	H3	Z	3.825	3.825	0	%100
34	H3	X	2.209	2.209	0	%100
35	H2	Z	1.082	1.082	0	%100
36	H2	X	0.624	0.624	0	%100
37	M19	Z	0.89	0.89	0	%100
38	M19	X	0.514	0.514	0	%100
39	M20	Z	3.253	3.253	0	%100
40	M20	X	1.878	1.878	0	%100
41	M21	Z	0.89	0.89	0	%100
42	M21	X	0.514	0.514	0	%100
43	M22	Z	7.403	7.403	0	%100
44	M22	X	4.274	4.274	0	%100
45	M23	Z	2.746	2.746	0	%100
46	M23	X	1.586	1.586	0	%100
47	M24	Z	2.746	2.746	0	%100
48	M24	X	1.586	1.586	0	%100
49	C3	Z	3.253	3.253	0	%100
50	C3	X	1.878	1.878	0	%100
51	C2	Z	3.253	3.253	0	%100
52	C2	X	1.878	1.878	0	%100
53	C4	Z	3.253	3.253	0	%100
54	C4	X	1.878	1.878	0	%100
55	B2	Z	3.253	3.253	0	%100
56	B2	X	1.878	1.878	0	%100
57	B1	Z	3.253	3.253	0	%100
58	B1	X	1.878	1.878	0	%100
59	B3	Z	3.253	3.253	0	%100
60	B3	X	1.878	1.878	0	%100

Member Distributed Loads (BLC 14 : Ice 150) (Continued)

	Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
61	A2	Z	3.253	3.253	0	%100
62	A2	X	1.878	1.878	0	%100
63	A3	Z	3.253	3.253	0	%100
64	A3	X	1.878	1.878	0	%100
65	C5	Z	3.429	3.429	0	%100
66	C5	X	1.98	1.98	0	%100
67	C1	Z	3.253	3.253	0	%100
68	C1	X	1.878	1.878	0	%100
69	A1	Z	3.253	3.253	0	%100
70	A1	X	1.878	1.878	0	%100
71	A4	Z	3.253	3.253	0	%100
72	A4	X	1.878	1.878	0	%100
73	A5	Z	2.996	2.996	0	%100
74	A5	X	1.73	1.73	0	%100

Basic Load Cases

	BLC Description	Category	Y Gravity	Nodal	Point	Distributed
1	Dead	None	-1.1		34	
2	Wind 0	None			68	74
3	Wind 30	None			68	74
4	Wind 60	None			68	74
5	Wind 90	None			68	74
6	Wind 120	None			68	74
7	Wind 150	None			68	74
8	Ice Load	None			34	37
9	Ice 0	None			68	74
10	Ice 30	None			68	74
11	Ice 60	None			68	74
12	Ice 90	None			68	74
13	Ice 120	None			68	74
14	Ice 150	None			68	74
15	Lm1	None		1		
16	Lm2	None		1		
17	Lm3	None		1		
18	Lm4	None		1		
19	Lv1	None		1		
20	Lv2	None		1		
21	Lv3	None		1		
22	Lv4	None		1		

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor
1	1.4 D	Yes	Y	1	1.4				
2	1.2 D + 1.0 Wo @ 0	Yes	Y	1	1.2	2	1		
3	1.2 D + 1.0 Wo @ 30	Yes	Y	1	1.2	3	1		
4	1.2 D + 1.0 Wo @ 60	Yes	Y	1	1.2	4	1		
5	1.2 D + 1.0 Wo @ 90	Yes	Y	1	1.2	5	1		
6	1.2 D + 1.0 Wo @ 120	Yes	Y	1	1.2	6	1		
7	1.2 D + 1.0 Wo @ 150	Yes	Y	1	1.2	7	1		
8	1.2 D + 1.0 Wo @ 180	Yes	Y	1	1.2	2	-1		
9	1.2 D + 1.0 Wo @ 210	Yes	Y	1	1.2	3	-1		
10	1.2 D + 1.0 Wo @ 240	Yes	Y	1	1.2	4	-1		
11	1.2 D + 1.0 Wo @ 270	Yes	Y	1	1.2	5	-1		

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor
12	1.2 D + 1.0 Wo @ 300	Yes	Y	1	1.2	6	-1		
13	1.2 D + 1.0 Wo @ 330	Yes	Y	1	1.2	7	-1		
14	1.2 D + 1.0 Di + 1.0 Wi @ 0	Yes	Y	1	1.2	8	1	9	1
15	1.2 D + 1.0 Di + 1.0 Wi @ 30	Yes	Y	1	1.2	8	1	10	1
16	1.2 D + 1.0 Di + 1.0 Wi @ 60	Yes	Y	1	1.2	8	1	11	1
17	1.2 D + 1.0 Di + 1.0 Wi @ 90	Yes	Y	1	1.2	8	1	12	1
18	1.2 D + 1.0 Di + 1.0 Wi @ 120	Yes	Y	1	1.2	8	1	13	1
19	1.2 D + 1.0 Di + 1.0 Wi @ 150	Yes	Y	1	1.2	8	1	14	1
20	1.2 D + 1.0 Di + 1.0 Wi @ 180	Yes	Y	1	1.2	8	1	9	-1
21	1.2 D + 1.0 Di + 1.0 Wi @ 210	Yes	Y	1	1.2	8	1	10	-1
22	1.2 D + 1.0 Di + 1.0 Wi @ 240	Yes	Y	1	1.2	8	1	11	-1
23	1.2 D + 1.0 Di + 1.0 Wi @ 270	Yes	Y	1	1.2	8	1	12	-1
24	1.2 D + 1.0 Di + 1.0 Wi @ 300	Yes	Y	1	1.2	8	1	13	-1
25	1.2 D + 1.0 Di + 1.0 Wi @ 330	Yes	Y	1	1.2	8	1	14	-1
26	1.2 D + 1.5 Lm1 + 1.0 Wm @ 0	Yes	Y	1	1.2	15	1.5	2	0.079
27	1.2 D + 1.5 Lm1 + 1.0 Wm @ 30	Yes	Y	1	1.2	15	1.5	3	0.079
28	1.2 D + 1.5 Lm1 + 1.0 Wm @ 60	Yes	Y	1	1.2	15	1.5	4	0.079
29	1.2 D + 1.5 Lm1 + 1.0 Wm @ 90	Yes	Y	1	1.2	15	1.5	5	0.079
30	1.2 D + 1.5 Lm1 + 1.0 Wm @ 120	Yes	Y	1	1.2	15	1.5	6	0.079
31	1.2 D + 1.5 Lm1 + 1.0 Wm @ 150	Yes	Y	1	1.2	15	1.5	7	0.079
32	1.2 D + 1.5 Lm1 + 1.0 Wm @ 180	Yes	Y	1	1.2	15	1.5	2	0.079
33	1.2 D + 1.5 Lm1 + 1.0 Wm @ 210	Yes	Y	1	1.2	15	1.5	3	0.079
34	1.2 D + 1.5 Lm1 + 1.0 Wm @ 240	Yes	Y	1	1.2	15	1.5	4	0.079
35	1.2 D + 1.5 Lm1 + 1.0 Wm @ 270	Yes	Y	1	1.2	15	1.5	5	0.079
36	1.2 D + 1.5 Lm1 + 1.0 Wm @ 300	Yes	Y	1	1.2	15	1.5	6	0.079
37	1.2 D + 1.5 Lm1 + 1.0 Wm @ 330	Yes	Y	1	1.2	15	1.5	7	0.079
38	1.2 D + 1.5 Lm2 + 1.0 Wm @ 0	Yes	Y	1	1.2	16	1.5	2	0.079
39	1.2 D + 1.5 Lm2 + 1.0 Wm @ 30	Yes	Y	1	1.2	16	1.5	3	0.079
40	1.2 D + 1.5 Lm2 + 1.0 Wm @ 60	Yes	Y	1	1.2	16	1.5	4	0.079
41	1.2 D + 1.5 Lm2 + 1.0 Wm @ 90	Yes	Y	1	1.2	16	1.5	5	0.079
42	1.2 D + 1.5 Lm2 + 1.0 Wm @ 120	Yes	Y	1	1.2	16	1.5	6	0.079
43	1.2 D + 1.5 Lm2 + 1.0 Wm @ 150	Yes	Y	1	1.2	16	1.5	7	0.079
44	1.2 D + 1.5 Lm2 + 1.0 Wm @ 180	Yes	Y	1	1.2	16	1.5	2	0.079
45	1.2 D + 1.5 Lm2 + 1.0 Wm @ 210	Yes	Y	1	1.2	16	1.5	3	0.079
46	1.2 D + 1.5 Lm2 + 1.0 Wm @ 240	Yes	Y	1	1.2	16	1.5	4	0.079
47	1.2 D + 1.5 Lm2 + 1.0 Wm @ 270	Yes	Y	1	1.2	16	1.5	5	0.079
48	1.2 D + 1.5 Lm2 + 1.0 Wm @ 300	Yes	Y	1	1.2	16	1.5	6	0.079
49	1.2 D + 1.5 Lm2 + 1.0 Wm @ 330	Yes	Y	1	1.2	16	1.5	7	0.079
50	1.2 D + 1.5 Lm3 + 1.0 Wm @ 0	Yes	Y	1	1.2	17	1.5	2	0.079
51	1.2 D + 1.5 Lm3 + 1.0 Wm @ 30	Yes	Y	1	1.2	17	1.5	3	0.079
52	1.2 D + 1.5 Lm3 + 1.0 Wm @ 60	Yes	Y	1	1.2	17	1.5	4	0.079
53	1.2 D + 1.5 Lm3 + 1.0 Wm @ 90	Yes	Y	1	1.2	17	1.5	5	0.079
54	1.2 D + 1.5 Lm3 + 1.0 Wm @ 120	Yes	Y	1	1.2	17	1.5	6	0.079
55	1.2 D + 1.5 Lm3 + 1.0 Wm @ 150	Yes	Y	1	1.2	17	1.5	7	0.079
56	1.2 D + 1.5 Lm3 + 1.0 Wm @ 180	Yes	Y	1	1.2	17	1.5	2	0.079
57	1.2 D + 1.5 Lm3 + 1.0 Wm @ 210	Yes	Y	1	1.2	17	1.5	3	0.079
58	1.2 D + 1.5 Lm3 + 1.0 Wm @ 240	Yes	Y	1	1.2	17	1.5	4	0.079
59	1.2 D + 1.5 Lm3 + 1.0 Wm @ 270	Yes	Y	1	1.2	17	1.5	5	0.079
60	1.2 D + 1.5 Lm3 + 1.0 Wm @ 300	Yes	Y	1	1.2	17	1.5	6	0.079
61	1.2 D + 1.5 Lm3 + 1.0 Wm @ 330	Yes	Y	1	1.2	17	1.5	7	0.079
62	1.2 D + 1.5 Lm4 + 1.0 Wm @ 0	Yes	Y	1	1.2	18	1.5	2	0.079
63	1.2 D + 1.5 Lm4 + 1.0 Wm @ 30	Yes	Y	1	1.2	18	1.5	3	0.079
64	1.2 D + 1.5 Lm4 + 1.0 Wm @ 60	Yes	Y	1	1.2	18	1.5	4	0.079
65	1.2 D + 1.5 Lm4 + 1.0 Wm @ 90	Yes	Y	1	1.2	18	1.5	5	0.079
66	1.2 D + 1.5 Lm4 + 1.0 Wm @ 120	Yes	Y	1	1.2	18	1.5	6	0.079

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor
67	1.2 D + 1.5 Lm4 + 1.0 Wm @ 150	Yes	Y	1	1.2	18	1.5	7	0.079
68	1.2 D + 1.5 Lm4 + 1.0 Wm @ 180	Yes	Y	1	1.2	18	1.5	2	-0.079
69	1.2 D + 1.5 Lm4 + 1.0 Wm @ 210	Yes	Y	1	1.2	18	1.5	3	-0.079
70	1.2 D + 1.5 Lm4 + 1.0 Wm @ 240	Yes	Y	1	1.2	18	1.5	4	-0.079
71	1.2 D + 1.5 Lm4 + 1.0 Wm @ 270	Yes	Y	1	1.2	18	1.5	5	-0.079
72	1.2 D + 1.5 Lm4 + 1.0 Wm @ 300	Yes	Y	1	1.2	18	1.5	6	-0.079
73	1.2 D + 1.5 Lm4 + 1.0 Wm @ 330	Yes	Y	1	1.2	18	1.5	7	-0.079
74	1.2 D + 1.5 Lv1	Yes	Y	1	1.2	19	1.5		
75	1.2 D + 1.5 Lv2	Yes	Y	1	1.2	20	1.5		
76	1.2 D + 1.5 Lv3	Yes	Y	1	1.2	21	1.5		
77	1.2 D + 1.5 Lv4	Yes	Y	1	1.2	22	1.5		
78	1.0 D	Yes	Y	1	1				

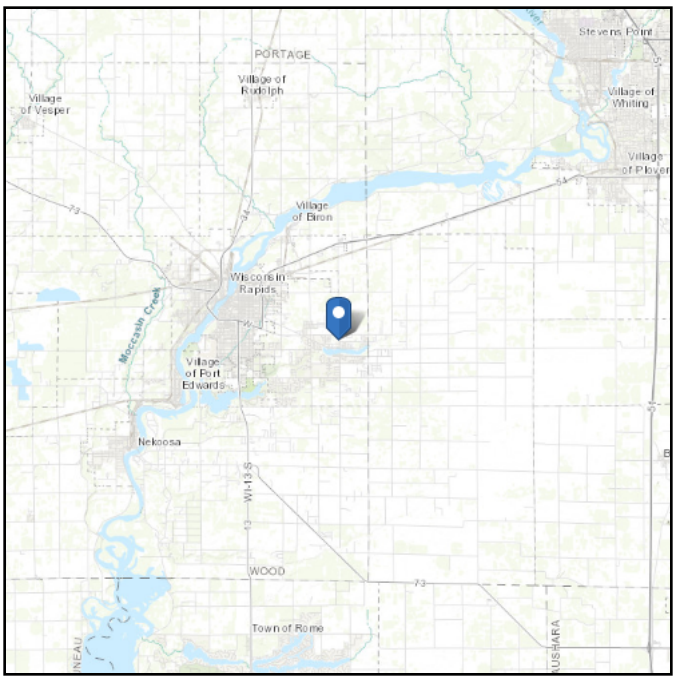
Envelope AISC 15TH (360-16): LRFD Member Steel Code Checks

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [lb-ft]	phi*Mn z-z [lb-ft]	Cb	Eqn
1	M12	PIPE_3.5	0.841	40	25	0.385	40		10	75262.68	78750	7953.75	7953.75	1	H1-1b
2	M2	PIPE_3.5	0.801	40	21	0.359	40		12	75262.68	78750	7953.75	7953.75	1	H1-1b
3	M7	PIPE_3.5	0.696	40	17	0.289	40		2	75262.68	78750	7953.75	7953.75	1	H1-1b
4	M23	L65/8X47/16X3/16	0.655	0	12	0.068	42	y	6	15975.546	66065.641	1040.591	3031.076	1.5	H2-1
5	M22	L65/8X47/16X3/16	0.647	42	11	0.057	42	y	10	15975.546	66065.641	1040.591	3031.076	1.5	H2-1
6	M11	C3X5	0.635	34.856	24	0.211	63.177	y	17	11202.931	47628	981.263	4104	1.353	H1-1b
7	M1	C3X5	0.635	34.856	21	0.208	6.536	y	18	11202.931	47628	981.263	4104	1.338	H1-1b
8	B2	PIPE_2.0	0.552	69	10	0.1	69		11	14916.096	32130	1871.625	1871.625	1	H1-1b
9	M6	C3X5	0.549	34.856	17	0.185	6.536	y	14	37027.882	47628	981.263	4020.228	1	H1-1b
10	M19	PIPE_2.0	0.526	4	5	0.521	4		5	14916.036	32130	1871.625	1871.625	1	H3-6
11	B3	PIPE_2.0	0.495	69	11	0.061	27		8	14916.096	32130	1871.625	1871.625	1	H1-1b
12	B1	PIPE_2.0	0.486	69	3	0.091	69		7	14916.096	32130	1871.625	1871.625	1	H1-1b
13	C1	PIPE_2.0	0.478	27	7	0.124	69		13	14916.096	32130	1871.625	1871.625	1	H1-1b
14	A3	PIPE_2.0	0.476	69	12	0.074	69		10	14916.096	32130	1871.625	1871.625	1	H1-1b
15	C2	PIPE_2.0	0.47	69	7	0.064	69		11	14916.096	32130	1871.625	1871.625	1	H1-1b
16	M5	6.5"X0.37"PLATE	0.457	21	9	0.15	21	y	23	3513.807	75757.5	583.963	6613.435	1.225	H1-1b
17	M15	6.5"X0.37"PLATE	0.448	21	12	0.151	36.312	y	17	3513.807	75757.5	583.963	6824.693	1.264	H1-1b
18	M10	6.5"X0.37"PLATE	0.44	21	5	0.129	21	y	15	3513.807	75757.5	583.963	6213.317	1.151	H1-1b
19	A2	PIPE_2.0	0.438	69	11	0.077	27		2	14916.096	32130	1871.625	1871.625	1	H1-1b
20	A1	PIPE_2.0	0.413	69	11	0.097	69		10	14916.096	32130	1871.625	1871.625	1	H1-1b
21	C3	PIPE_2.0	0.411	69	7	0.087	69		7	14916.096	32130	1871.625	1871.625	1	H1-1b
22	A4	PIPE_2.0	0.402	69	13	0.059	69		13	14916.096	32130	1871.625	1871.625	1	H1-1b
23	C5	PIPE_2.5	0.369	27	3	0.11	27		10	30038.461	50715	3596.25	3596.25	1	H1-1b
24	M20	PIPE_2.0	0.338	24	7	0.196	24		13	14916.036	32130	1871.625	1871.625	1	H1-1b
25	M21	PIPE_2.0	0.325	4	9	0.345	92		3	14916.036	32130	1871.625	1871.625	1	H3-6
26	C4	PIPE_2.0	0.307	69	3	0.101	27		12	14916.096	32130	1871.625	1871.625	1	H1-1b
27	M3	L2X2X3	0.276	0	3	0.04	0	z	18	18051.765	23392.8	557.717	1239.29	1.5	H2-1
28	M9	L2X2X3	0.264	0	11	0.033	0	z	22	18051.765	23392.8	557.717	1239.29	1.5	H2-1
29	M14	L2X2X3	0.261	0	6	0.042	0	z	17	18051.765	23392.8	557.717	1239.29	1.5	H2-1
30	M13	L2X2X3	0.239	0	2	0.04	0	z	22	18051.765	23392.8	557.717	1239.29	1.5	H2-1
31	M24	L65/8X47/16X3/16	0.234	42	3	0.039	42	y	2	15975.546	66065.641	1040.591	3031.076	1.5	H2-1
32	M4	L2X2X3	0.196	0	8	0.042	0	y	23	18051.765	23392.8	557.717	1239.29	1.5	H2-1
33	H2	PIPE_3.5	0.19	24	11	0.156	4		3	60666.044	78750	7953.75	7953.75	1	H1-1b
34	H1	PIPE_3.5	0.167	31	3	0.2	92		11	60666.044	78750	7953.75	7953.75	1	H1-1b
35	M8	L2X2X3	0.164	0	6	0.037	0	z	15	18051.765	23392.8	557.717	1239.29	1.5	H2-1
36	A5	PIPE_2.0	0.155	6	3	0.015	6		3	20866.733	32130	1871.625	1871.625	1	H1-1b
37	H3	PIPE_3.5	0.154	48	12	0.149	72		7	60666.044	78750	7953.75	7953.75	1	H1-1b

ASCE Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	44.3704
Risk Category:	II	**Longitude:**	-89.7463
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	1038.009897041775 ft (NAVD 88)



Wind

Results:

Wind Speed	107 Vmph
10-year MRI	73 Vmph
25-year MRI	80 Vmph
50-year MRI	85 Vmph
100-year MRI	91 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: Sat Jun 07 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.

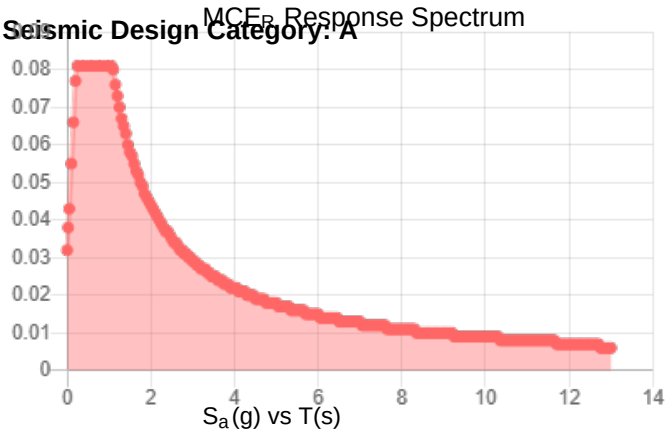
Seismic

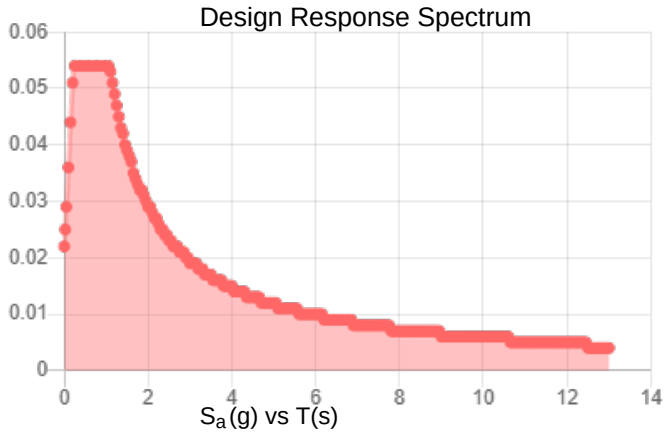
Site Soil Class: D - Default (see Section 11.4.3)

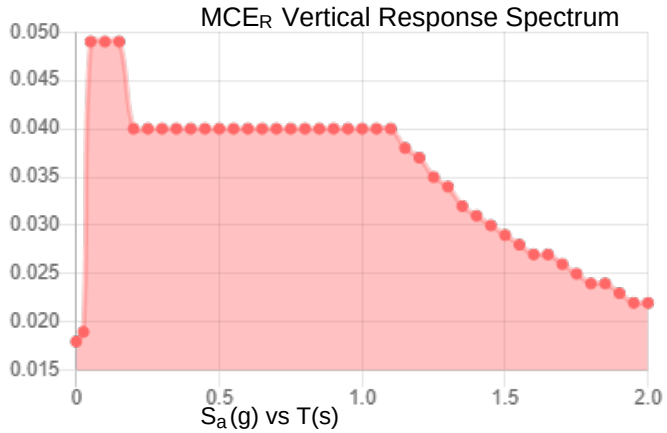
Results:

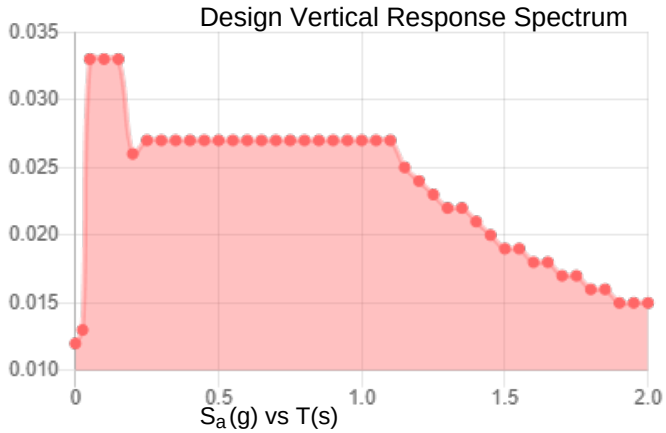
S_S :	0.05	S_{D1} :	0.058
S_1 :	0.037	T_L :	12
F_a :	1.6	PGA :	0.024
F_v :	2.4	PGA_M :	0.039
S_{MS} :	0.081	F_{PGA} :	1.6
S_{M1} :	0.088	I_e :	1
S_{DS} :	0.054	C_v :	0.7

Seismic Design Category: A









Data Accessed: **Sat Jun 07 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	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Sat Jun 07 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.

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.