STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

VIA ELECTRONIC MAIL

November 15, 2019

Kristina Cottone
Smartlink, LLC
85 Rangeway Road, Building 3, Suite 102
North Billerica, MA 01862

RE: **EM-AT&T-098-191104** – AT&T Mobility, LLC notice of intent to modify an existing telecommunications facility located at 10 Ashpohtag Road, Norfolk, Connecticut.

Dear Ms. Cottone:

The Connecticut Siting Council (Council) is in receipt of your correspondence of November 12, 2019 submitted in response to the Council's November 7, 2019 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/IN/emr

Robidoux, Evan

From: Kristina Cottone <kristina.cottone@smartlinkllc.com>
Sent: Tuesday, November 12, 2019 10:48 AM
To: Robidoux, Evan
Cc: CSC-DL Siting Council EM-AT&T-098-191104 (Ashpontag Rd, Norfolk)
Subject: RE: Council Incomplete Letter for ~~EM-AT&T-123-191025 (165 Huntington Road, Scotland, Connecticut)~~
Attachments: 10113178_DE125_190829_CTL01181.pdf; CTL01181_no csc RECORD.pdf

Good morning Evan,

Here are the requested documents needed to complete this CSC filing. Please let me know if anything else is needed to complete this request.

Thank you,

smartlink

Kristina Cottone | Real Estate Specialist
Smartlink
85 Rangeway Road – Building 3 Suite 102
North Billerica MA, 01862
(m) 978.551.8627
Kristina.cottone@Smartlinkllc.com
smartlinkllc.com

From: Robidoux, Evan <Evan.Robidoux@ct.gov>
Sent: Friday, November 1, 2019 3:18 PM
To: Kristina Cottone <kristina.cottone@smartlinkllc.com>
Cc: CSC-DL Siting Council <Siting.Council@ct.gov>
Subject: Council Incomplete Letter for EM-AT&T-123-191025 (165 Huntington Road, Scotland, Connecticut)

Please see the attached correspondence.

Evan Robidoux

Clerk Typist
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

11/12/19

Memo: No Initial Zoning Decision Found

Upon consulting with James Clarke, Building Inspector for the Town of Norfolk, it was determined that no initial zoning decision for this tower could be found. His phone number is 860-542-6986

Kristina Cottone
Real Estate Specialist | Smartlink, LLC
85 Rangeway Road, Building 3, Suite 102
North Billerica, MA 01862

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless

1033 WATERVLIET SHAKER RD, ALBANY, NY 12205

Mount Analysis Report

August 29, 2019

AT&T Mobility Site Name	Norfolk Ashpohtag Road
AT&T Mobility Site Number	CTL01181
FA Number	10113178
AT&T PTN Number	2051A0Q9KG, 2051A0Q92P, 2051A0QA5N, 2051A0Q906, 2051A0Q7R1
AT&T PACE Number	MRCTB041477, MRCTB041374, MRCTB041493, MRCTB041714, MRCTB041558
Infinigy Job Number	1106-A0001-B
Client	Smartlink
Carrier	AT&T Mobility
Site Location	10 Ashpohtag Rd. Norfolk, CT 06058 42.0026889 N NAD83 -73.2213931 W NAD83
Mount Centerline EL.	137.0 ft
Mount Type	Platform
Structural Usage Ratio	47.2%
Overall Result	**Pass**

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mounts and connections for the proposed carrier are therefore deemed adequate to support the final loading configuration as listed in this report.

Brad Davenport
Structural Program Manager

Contents

Introduction

Infinigy Engineering has been requested to perform a mount analysis on the existing AT&T Mobility mounts. All supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The mount was analyzed using RISA-3D Version 17.0.4 analysis software.

Supporting Documentation

RFDS	RFDS ID #CT1181, dated May 15, 2019
Construction Drawings	Construction drawing No. 12063.CO31, dated November 19, 2012
Structural Report	FDH Project #12-09658E S1, dated October 03, 2012
Site Photos	Sitewalk Photos, dated June 24, 2019

Analysis Code Requirements

Wind Speed	115 mph (3-Second Gust)
Wind Speed w/ Ice	40 mph (3 Second Gust) w/ 1.275" Ice
TIA Revision	ANSI/TIA-222-H
Adopted IBC	2015 IBC / 2018 Connecticut State Building Code
Structure Class	II
Exposure Category	B
Topographic Category	1
Spectral Response	S_s = 0.174 g, S_1 = 0.065 g
Site Class	D - Stiff Soil

Conclusion

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mount and connections are therefore deemed adequate to support the existing and proposed loading as listed in this report.

If you have any questions, require additional information, or actual conditions differ from those as detailed in this report please contact me via the information below:

Brad Davenport
Structural Program Manager | **INFINIGY**
1517 Old Apex Rd., Suite 100, Cary, NC 27513
(O) 518-690-0790
bdavenport@infinigy.com | www.infinigy.com

Final Configuration Loading

Mount CL (ft)	Vert. O/S (ft)	Rad. HT (ft)	Horiz. O/S (ft)*	Qty	Appurtenance	Carrier
137.0	0.0	137.0	1.5	3	Powerwave 7770	AT&T Mobility
	0.0	137.0	1.5	3	POWERWAVE TECHNOLOGIES TME-LGP21401	
	0.0	137.0	1.5	3	POWERWAVE TECHNOLOGIES TME-LGP21401	
	0.0	137.0	5.5	3	CCI HPA-65R-BU6AA	
	0.0	137.0	5.5	3	ERICSSON TME-RADIO 8843	
	0.0	137.0	11.0	3	CCI DMP65R-BU6DA	
	0.0	137.0	11.0	3	ERICSSON TME-RADIO 4449	
	0.0	137.0	-	2	Raycap DC6-48-60-0-8F**	

***Horizontal Offset is defined as the distance from the left most edge of the mount face horizontal when viewed facing the tower**

**** Raycap assumed to be installed directly on tower**

Structure Usages

Horizontals	19.9%	Pass
Standoff	42.2%	Pass
Mount Pipes	47.2%	Pass
Max Usage	**47.2%**	**Pass**

Mount Connections

Reaction Data	Design Capacity*	Analysis Reactions	Results
Max Tension (lbs.)	20340.1	8250.4	40.6%
Max Shear (lbs.)	12425.2	2982.5	24.0%
Unity Check	--	--	22.2%

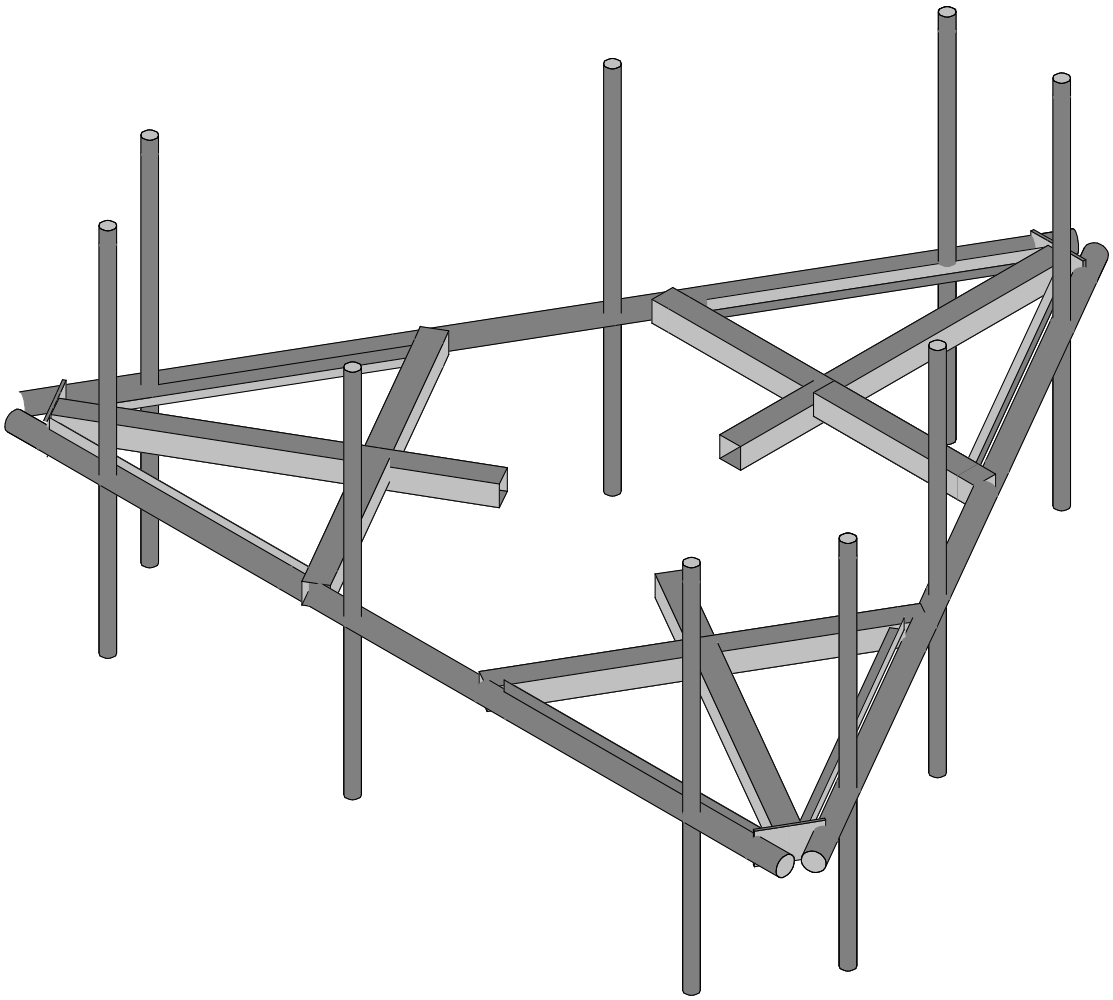
***Assumed (4) 5/8" A325 bolts. Contractor to field verify prior to proposed installation.**

Assumptions and Limitations

Our structural calculations are completed assuming all information provided to Infinigy Engineering is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition of "like new" and all members and connections to be free of corrosion and/or structural defects. The structure owner and/or contractor shall verify the structure's condition prior to installation of any proposed equipment. If actual conditions differ from those described in this report Infinigy Engineering should be notified immediately to complete a revised evaluation.

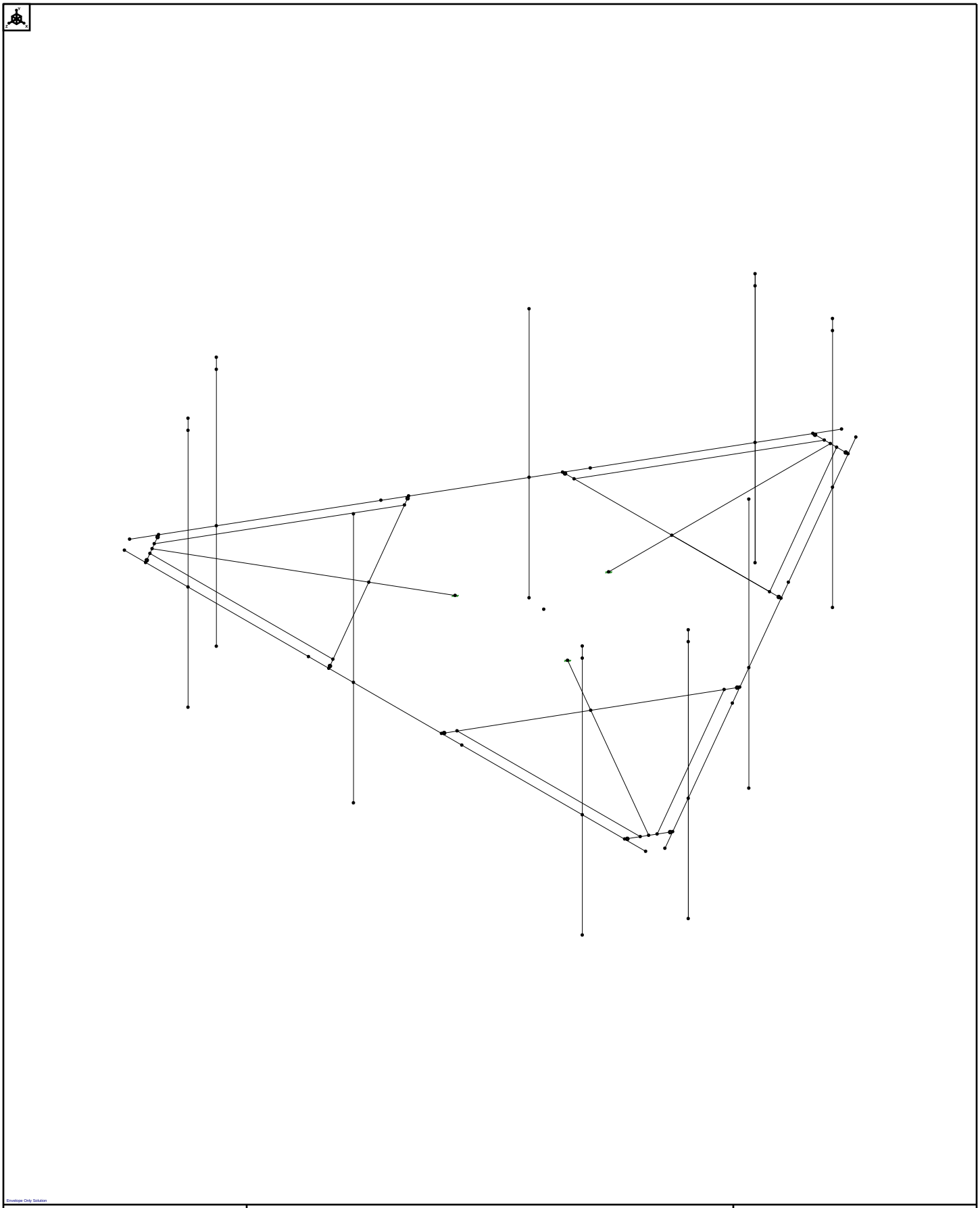
Our evaluation is completed using standard TIA, AISC, ACI, and ASCE methods and procedures. Our structural results are proprietary and should not be used by others as their own. Infinigy Engineering is not responsible for decisions made by others that are or are not based on our supplied assumptions and conclusions.

This report is an evaluation of the proposed carriers mount structure only and does not reflect adequacy of the existing tower, other mounts, or coax mounting attachments. These elements are assumed to be adequate for the purposes of this analysis and are assumed to have been installed per their manufacturer requirements.

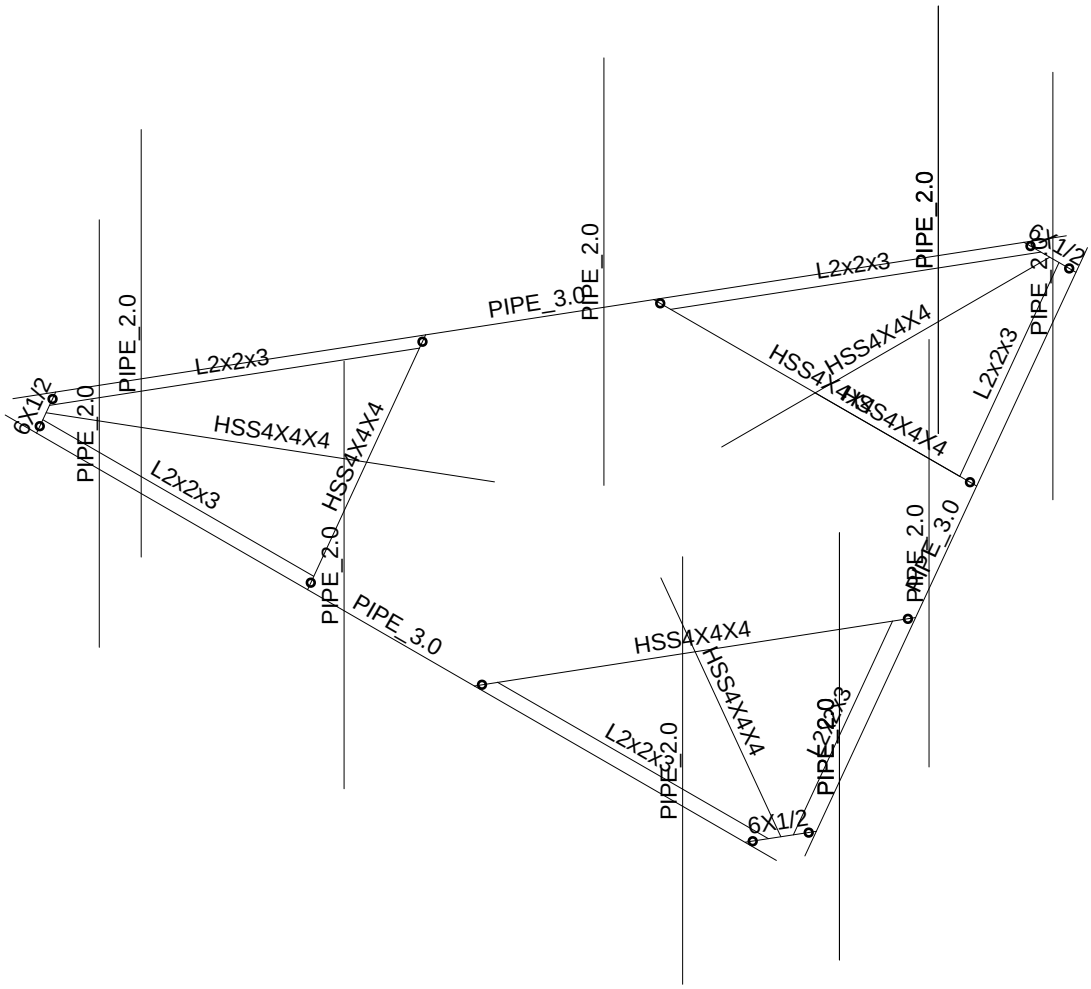


Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Existing
BD		Aug 29, 2019 at 2:27 PM
1106-A0001-B		CTL01181_loaded.r3d

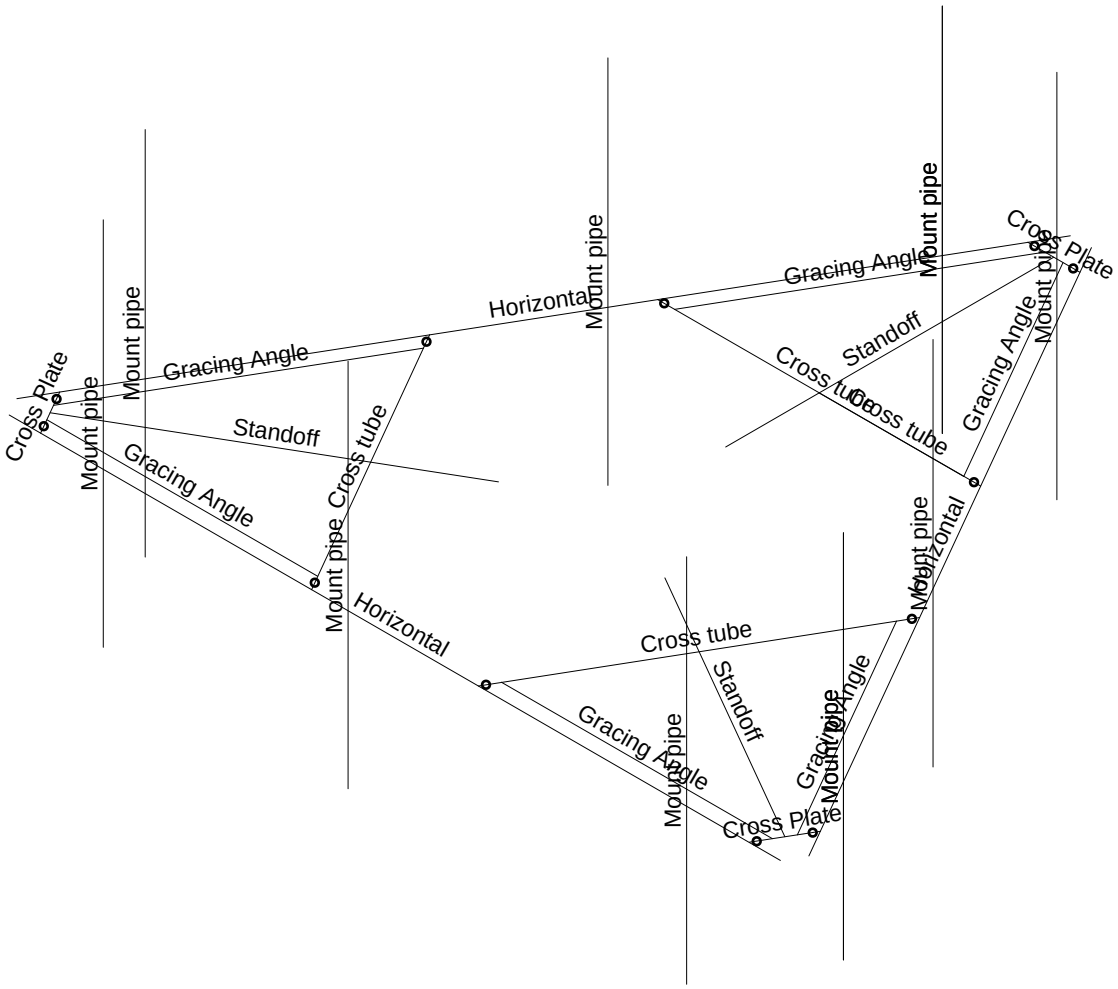


Infinigy Engineering PLLC	CTL01181	Wire Frame
BD		Aug 29, 2019 at 2:26 PM
1106-A0001-B		CTL01181_loaded.r3d



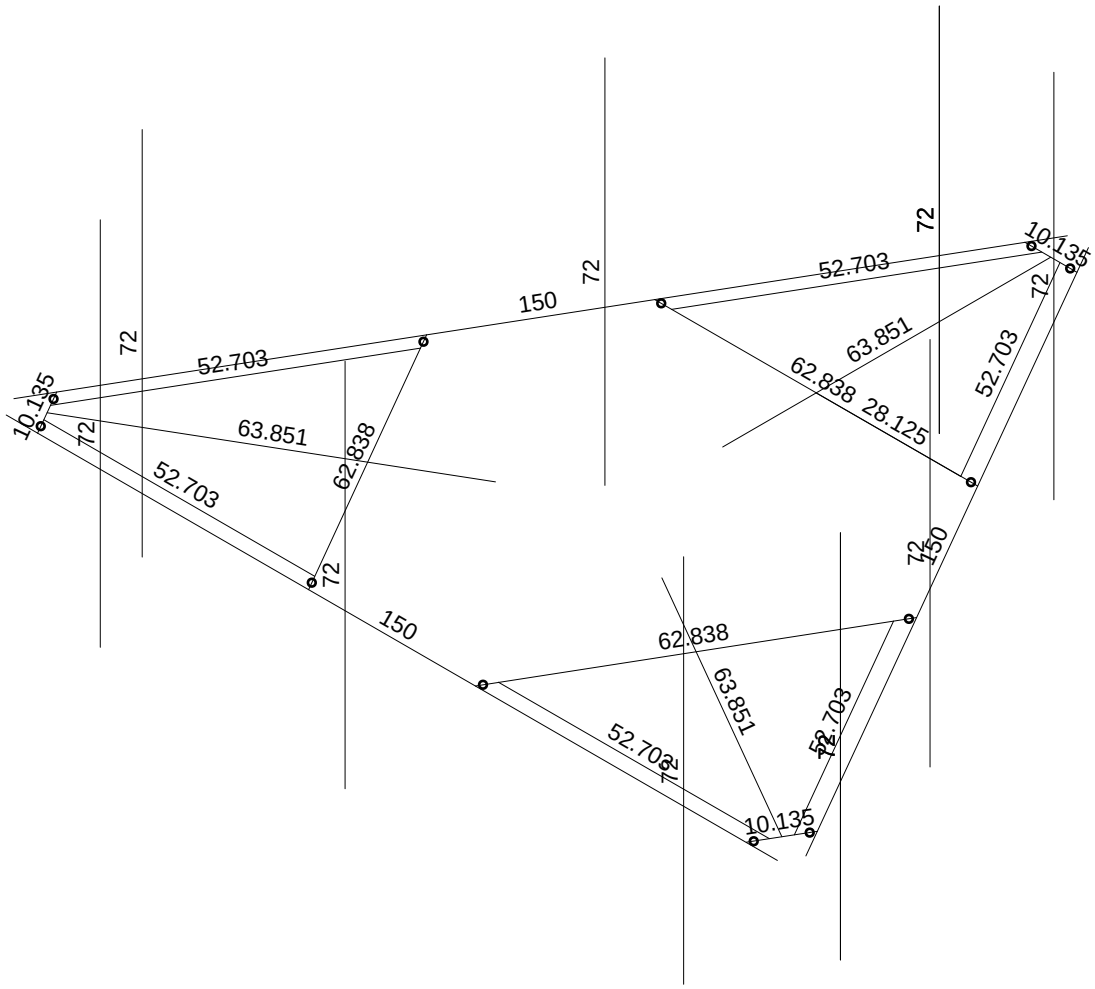
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Member Shape
BD		Aug 29, 2019 at 2:29 PM
1106-A0001-B		CTL01181_loaded.r3d



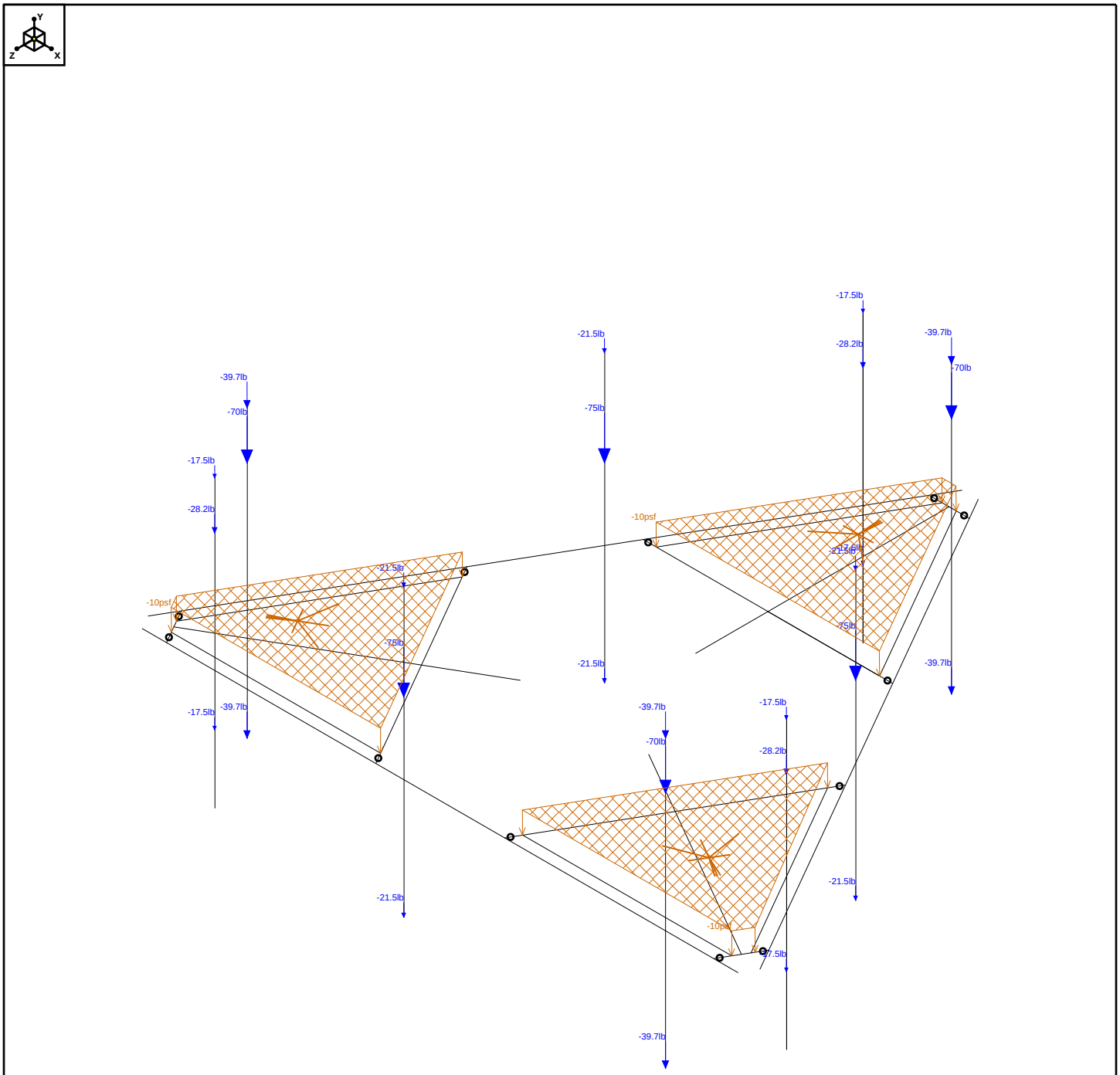
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Section Set
BD		Aug 29, 2019 at 2:29 PM
1106-A0001-B		CTL01181_loaded.r3d



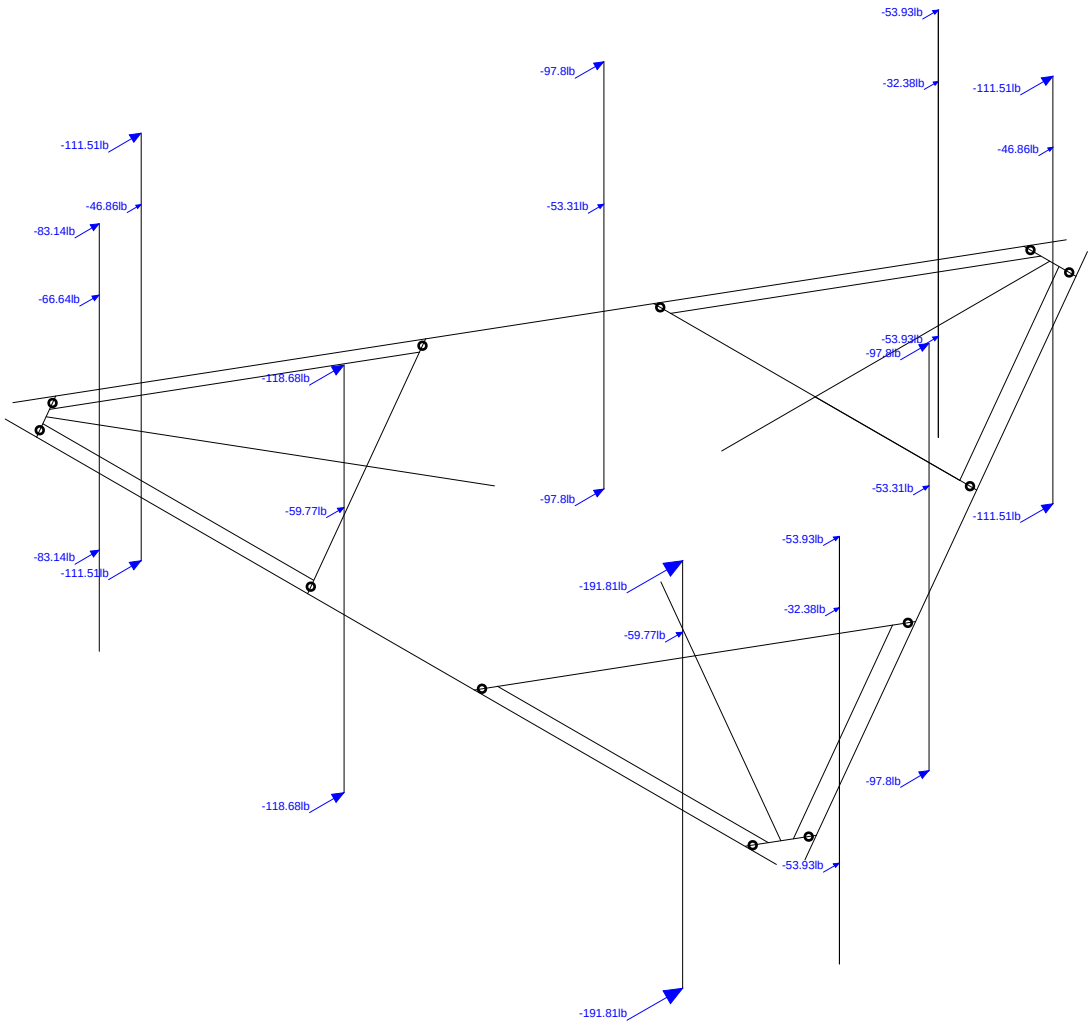
Member Length (in) Displayed
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Member Length
BD		Aug 29, 2019 at 2:30 PM
1106-A0001-B		CTL01181_loaded.r3d



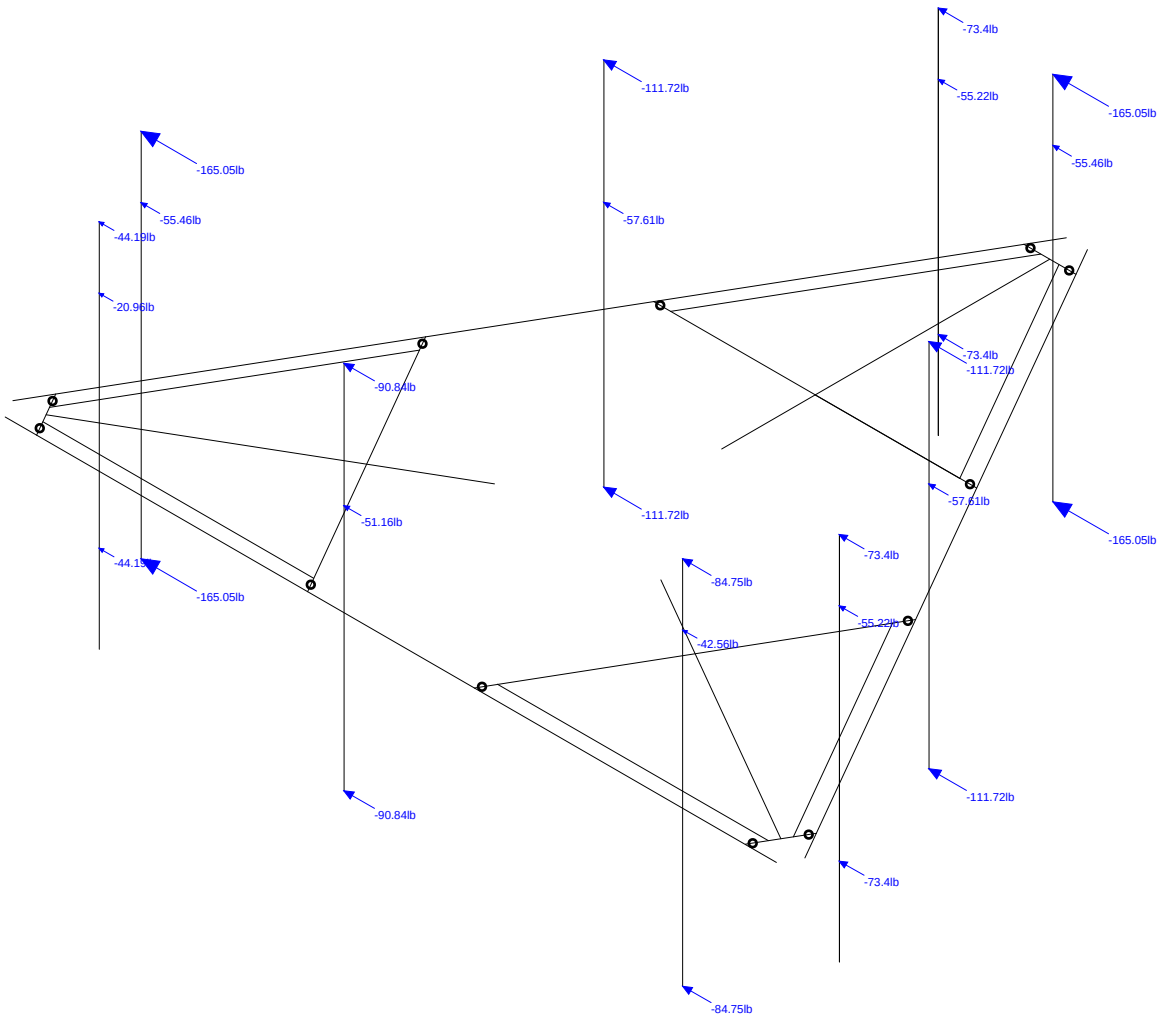
Loads: BLC 1, Self Weight

Infinigy Engineering PLLC	CTL01181	Self Weight
BD		Aug 29, 2019 at 2:33 PM
1106-A0001-B		CTL01181_loaded.r3d



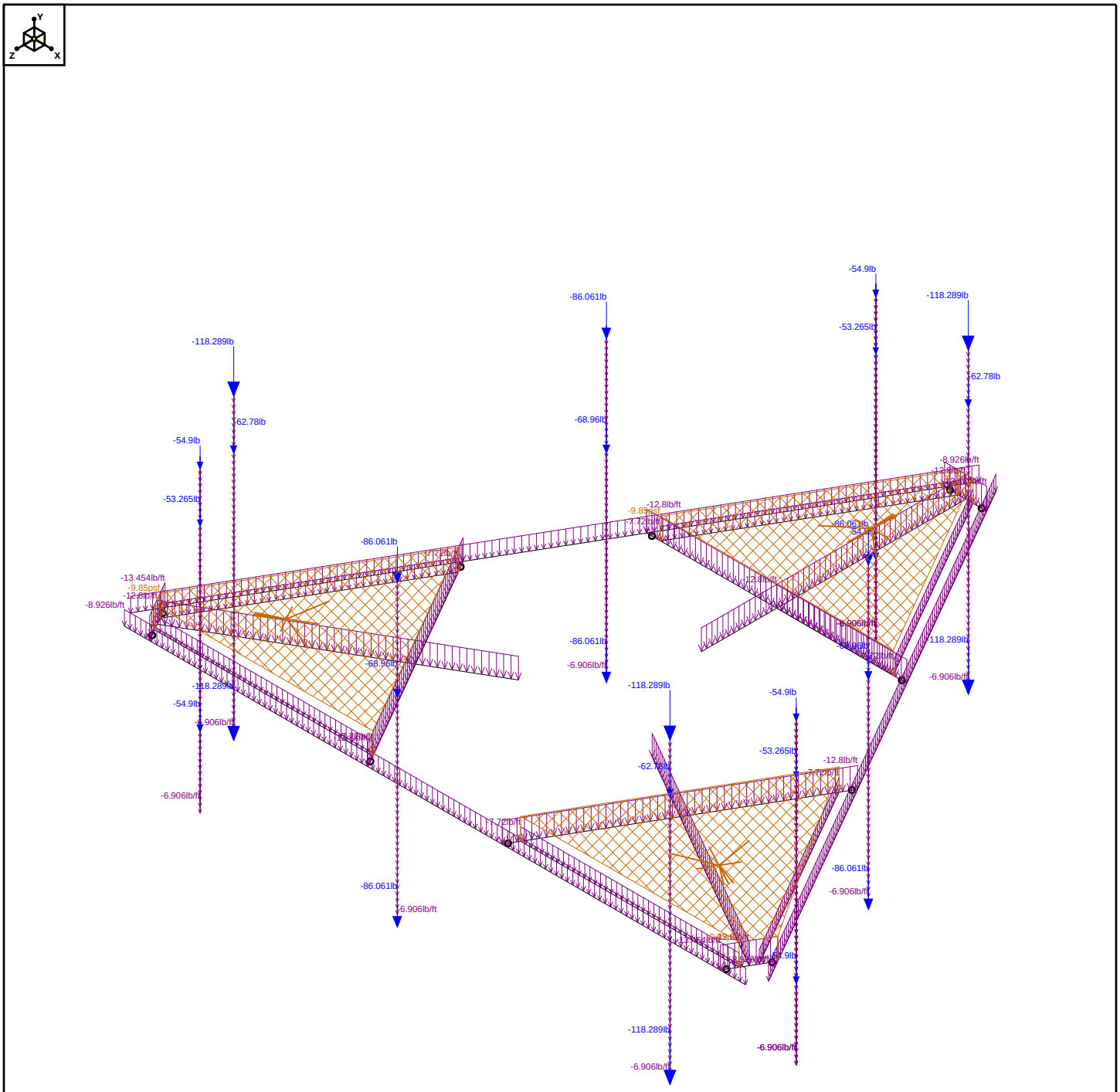
Loads: BLC 2, Wind Load AZI 0

Infinigy Engineering PLLC	CTL01181	Wind Load 000
BD		Aug 29, 2019 at 2:33 PM
1106-A0001-B		CTL01181_loaded.r3d



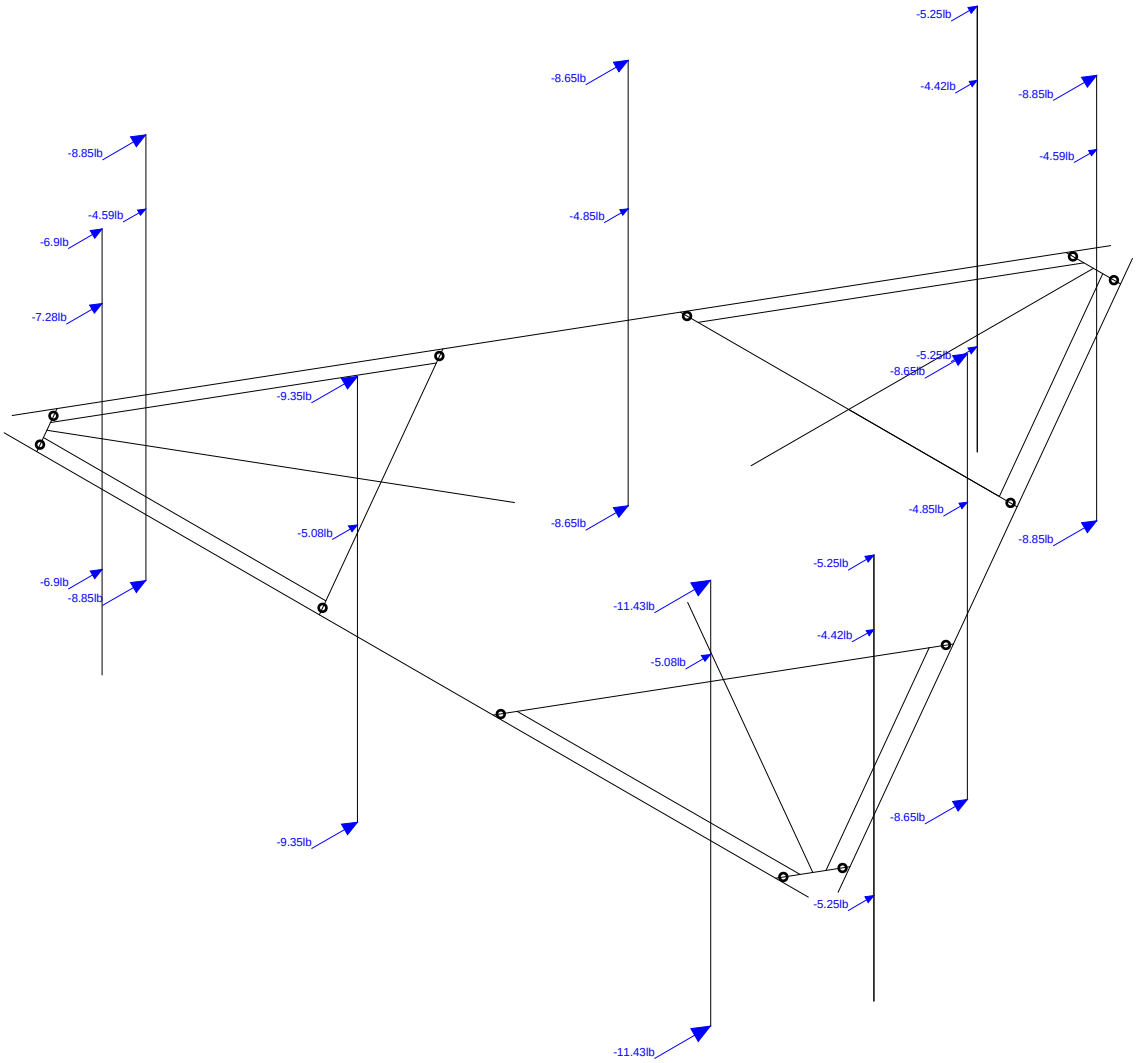
Loads: BLC 5, Wind Load AZI 90

Infinigy Engineering PLLC	CTL01181	Wind Load 090
BD		Aug 29, 2019 at 2:33 PM
1106-A0001-B		CTL01181_loaded.r3d



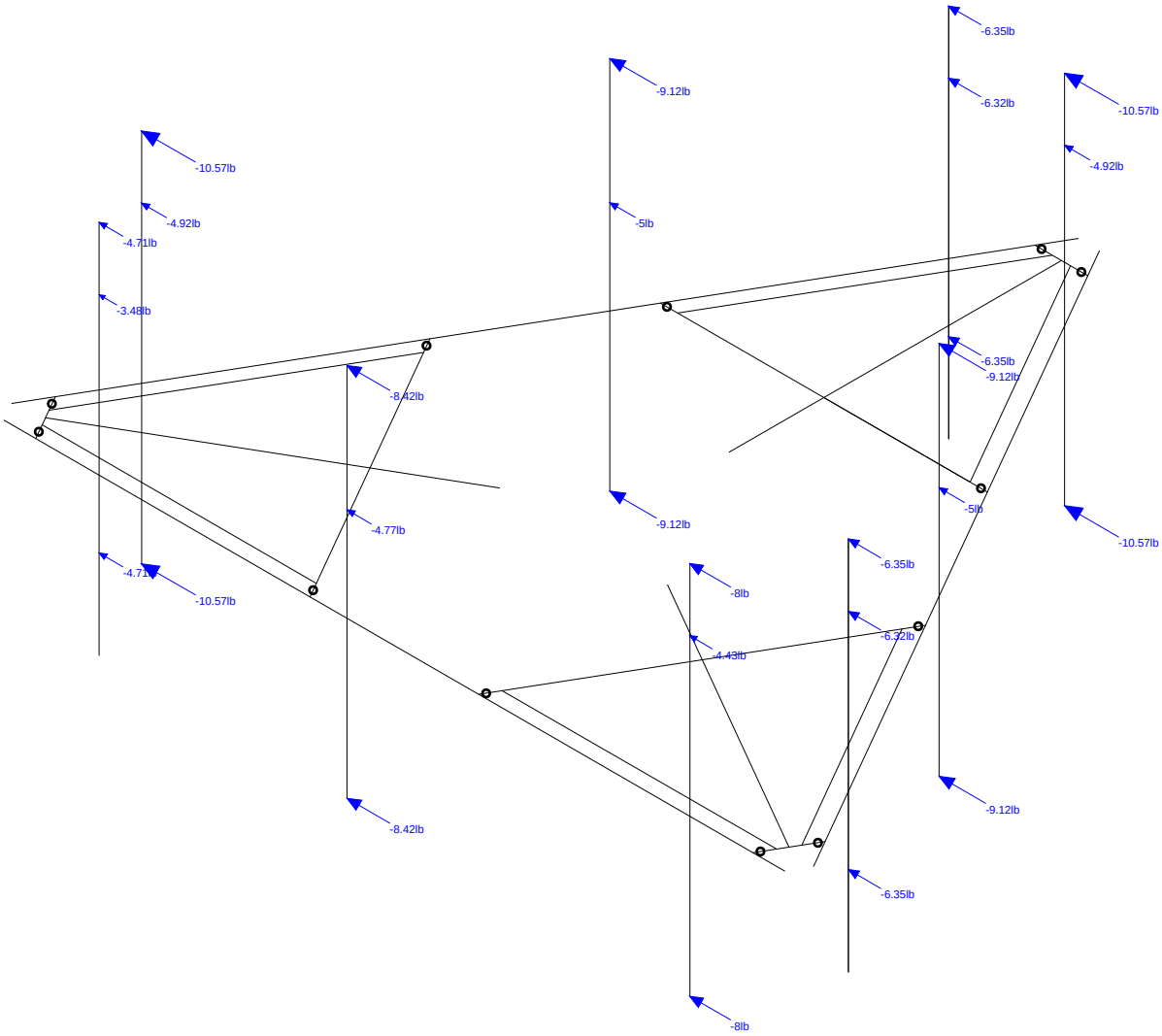
Loads: BLC 16, Ice Weight
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Ice Weight
BD		Aug 29, 2019 at 2:37 PM
1106-A0001-B		CTL01181_loaded.r3d



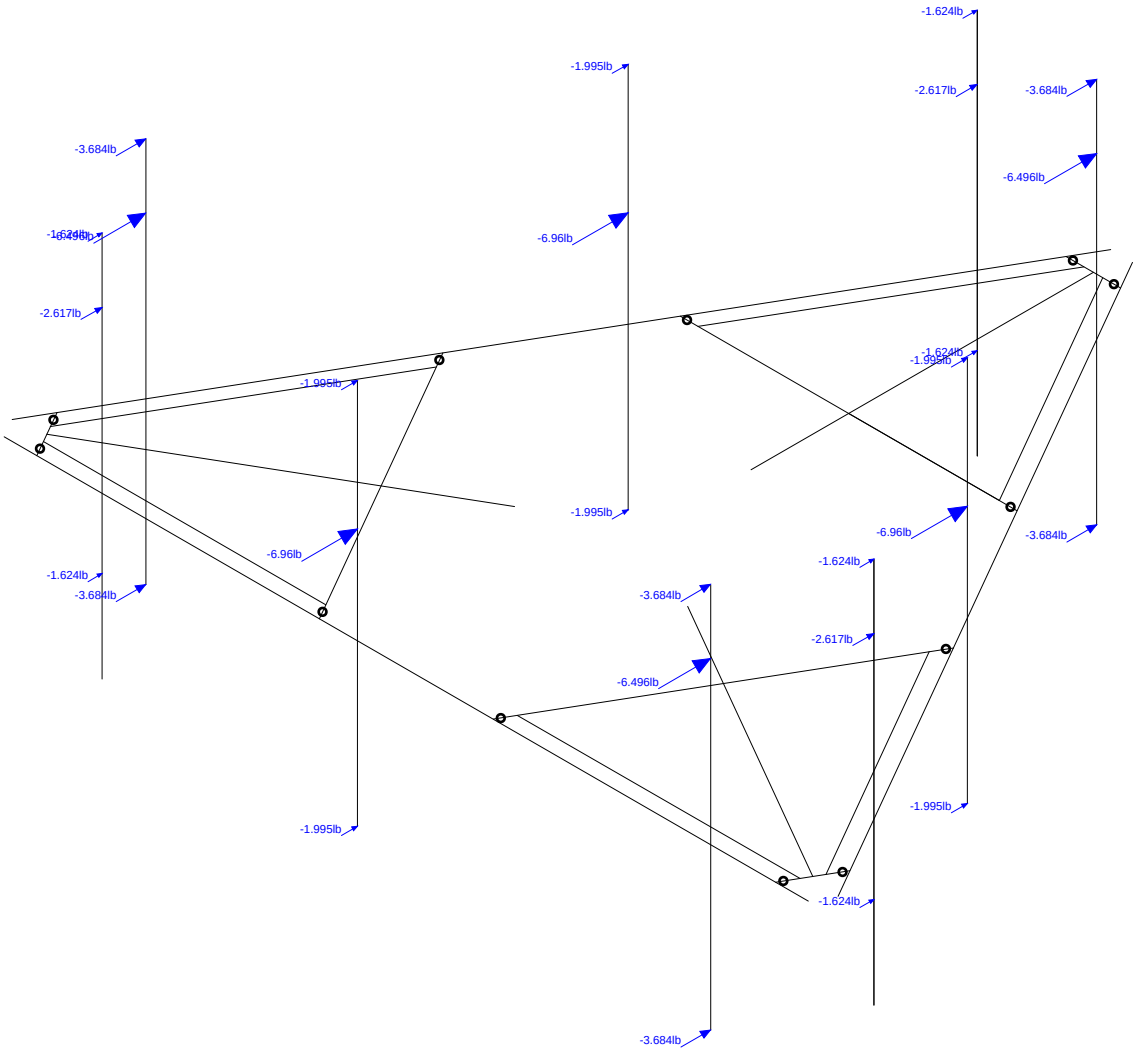
Loads: BLC 17, Ice Wind Load AZI 0
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Wind + Ice 000
BD		Aug 29, 2019 at 2:38 PM
1106-A0001-B		CTL01181_loaded.r3d



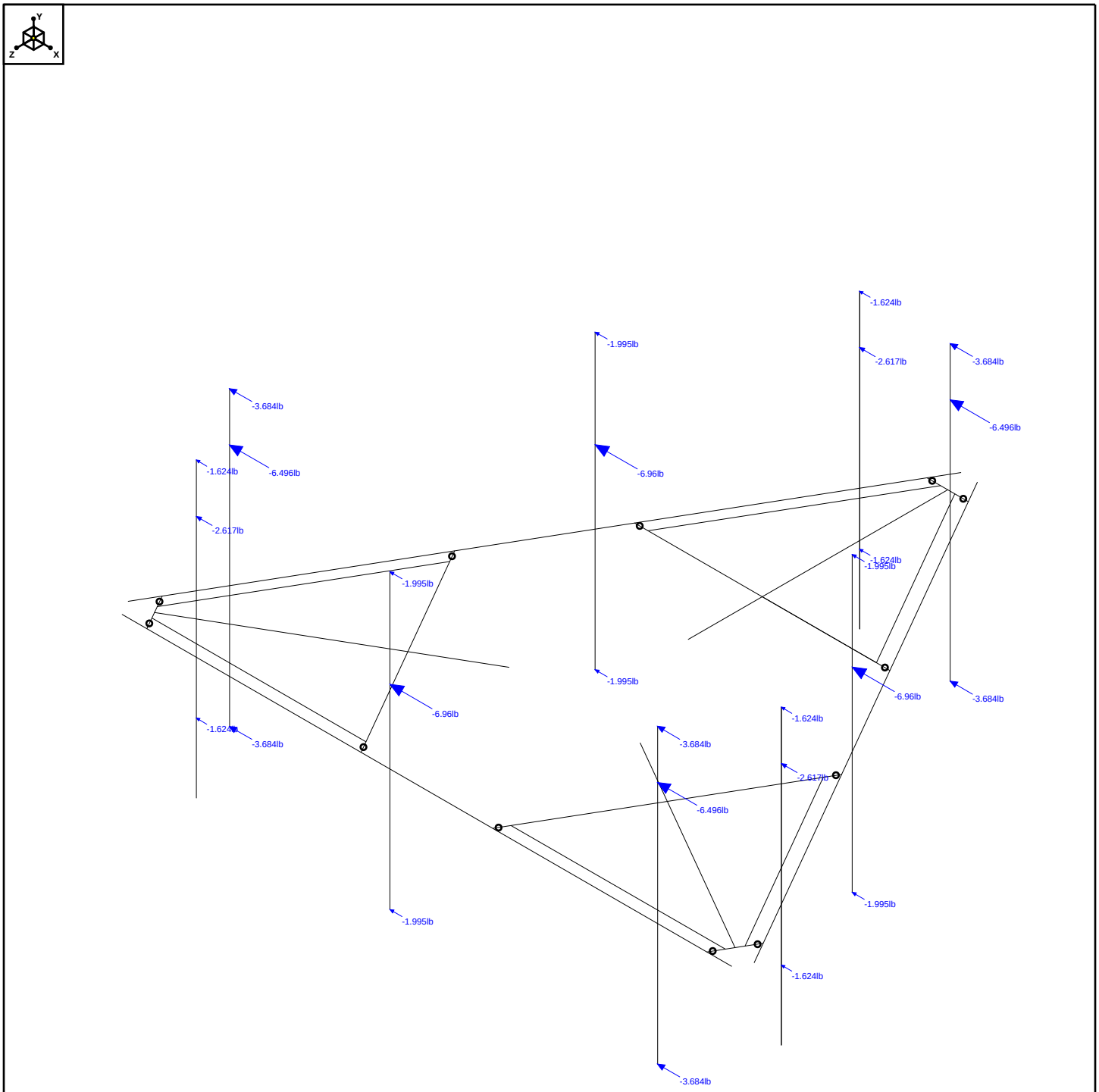
Loads: BLC 20, Ice Wind Load AZI 90
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Wind + Ice 090
BD		Aug 29, 2019 at 2:38 PM
1106-A0001-B		CTL01181_loaded.r3d



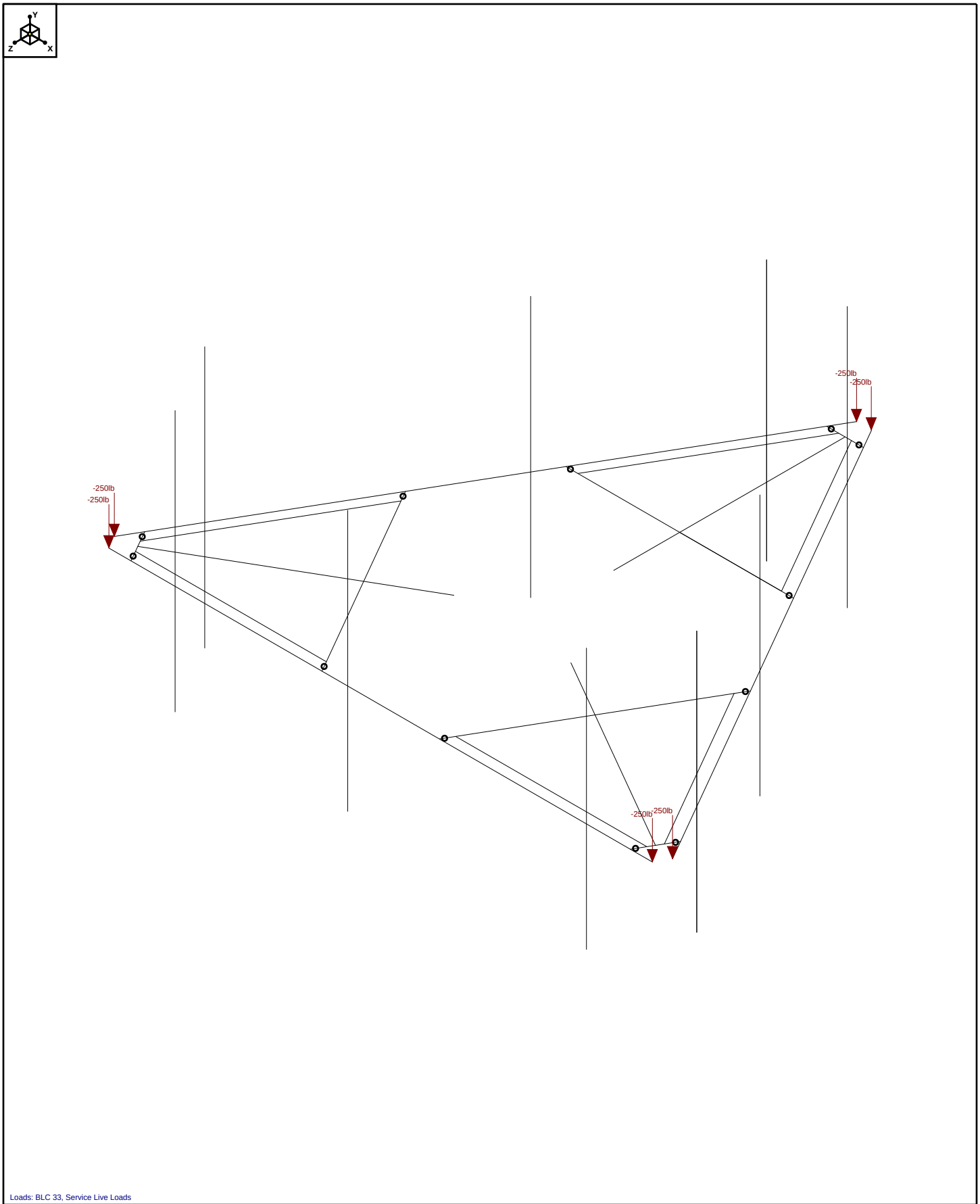
Loads: BLC 31, Seismic Load Z
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Seismic 000
BD		Aug 29, 2019 at 2:39 PM
1106-A0001-B		CTL01181_loaded.r3d



Loads: BLC 32, Seismic Load X
Envelope Only Solution

Infinigy Engineering PLLC	CTL01181	Seismic 090
BD		Aug 29, 2019 at 2:39 PM
1106-A0001-B		CTL01181_loaded.r3d



Loads: BLC 33, Service Live Loads

Infinigy Engineering PLLC	CTL01181	Service Load
BD		Aug 29, 2019 at 2:41 PM
1106-A0001-B		CTL01181_loaded.r3d

Program Inputs

Project Information		
Client:	Smartlink	
Carrier:	AT&T Mobility	
Engineer:	BD	

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless

Infinigy Wind Load Calculator V1.1.2

Code Standards		
Building Code:	2015 IBC	
TIA Standard:	TIA-222-H	
ASCE Standard:	ASCE 7-10	

Mount Information		
Mount Type:	Platform	
Num Sectors:	3	
Centerline AGL:	137.0	ft
Roof Height AGL:	0.0	ft

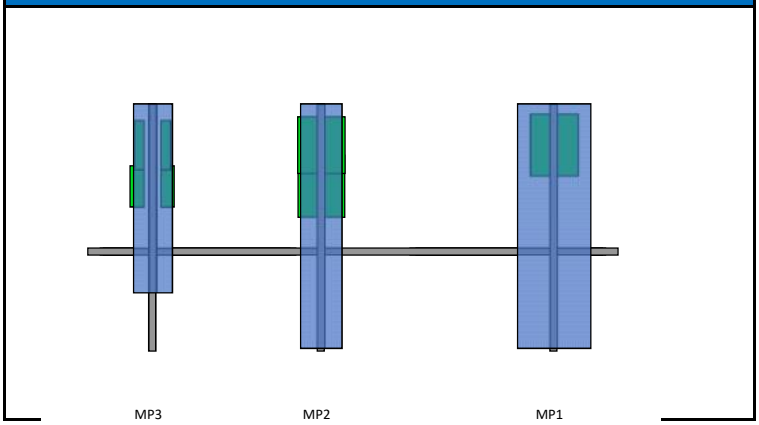
Site Information		
Risk Category:	II	
Exposure Category:	B	
Topo Category:	1	
Site Class:	D - Stiff Soil	
Ground Elevation:	1001	ft

Wind and Ice Data		
Ultimate Wind:	115	mph
Basic Wind:	N/A	mph
Ice Wind:	40	mph
Ice Thickness:	1.275	in

Topographic Data		
Topo Feature:	N/A	
Crest Height:	N/A	ft
Slope Distance:	N/A	ft
Crest Distance:	N/A	ft

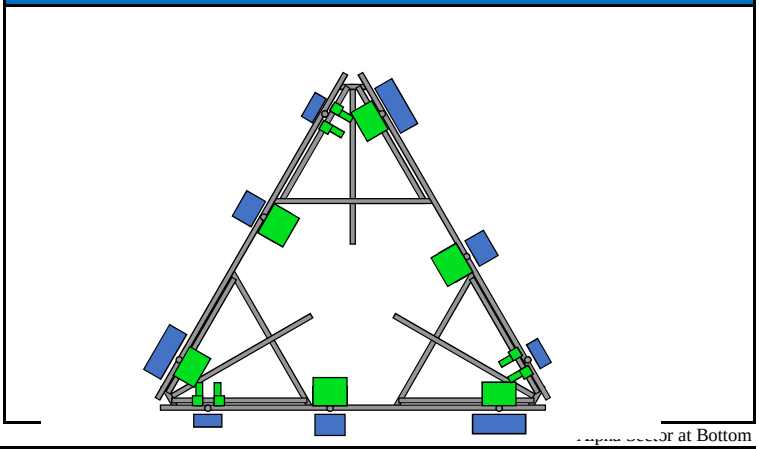
Seismic Data		
S_s:	0.17	g
S_1:	0.07	g
a_p:	1.0	
R_p:	2.50	
Ω_o:	1.0	
S_{DS}:	0.19	
S_{D1}:	0.10	
F_a:	1.60	
F_v:	2.40	

Elevation View



*Alpha Sector Only, Facing Tower

Plan View



Alpha Sector at Bottom

Appurtenance Information**

Appurtenance Name	Elevation	Qty.	q_z (psf)	EPA_N (ft^2)	EPA_T (ft^2)	Wind F_z (lbs)	Wind F_x (lbs)	Weight (lbs)	Seismic F (lbs)	Member (α sector)
)WERWAVE TECHNOLOGIES 7770.	137.0	3	33.54	5.51	2.93	166.27	88.39	35.00	3.25	MP3
RWAVE TECHNOLOGIES TME-LGI	137.0	3	33.54	1.10	0.35	33.32	10.48	14.10	1.31	MP3
RWAVE TECHNOLOGIES TME-LGI	137.0	3	33.54	1.10	0.35	33.32	10.48	14.10	1.31	MP3
CCI ANTENNAS HPA-65R-BU6AA	137.0	3	33.54	7.86	6.02	237.37	181.68	43.00	3.99	MP2
ERICSSON TME-RADIO 8843	137.0	3	33.54	1.98	1.70	59.77	51.16	75.00	6.96	MP2
CCI ANTENNAS DMP65R-BU6DA	137.0	3	33.54	12.71	5.62	383.63	169.49	79.40	7.37	MP1
ERICSSON TME-RADIO 4449	137.0	3	33.54	1.98	1.41	59.77	42.56	70.00	6.50	MP1
RAYCAP TME-DC6-48-60-0-8F	137.0	2	33.54	2.20	2.20	66.41	66.41	32.80	3.04	Leg/Flush

**Dish calculations differ from those in display

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Horizontal	Beam	None	A53 Gr.B	Typical
2	MP3	N3	N4			Mount pipe	Beam	None	A53 Gr.B	Typical
3	MP2	N5	N6			Mount pipe	Beam	None	A53 Gr.B	Typical
4	MP1	N7	N8			Mount pipe	Beam	None	A53 Gr.B	Typical
5	M5	N13	N14			Horizontal	Beam	None	A53 Gr.B	Typical
6	MP9	N15	N16A			Mount pipe	Beam	None	A53 Gr.B	Typical
7	MP7	N19	N20			Mount pipe	Beam	None	A53 Gr.B	Typical
8	M9	N25	N26			Horizontal	Beam	None	A53 Gr.B	Typical
9	MP6	N27	N28			Mount pipe	Beam	None	A53 Gr.B	Typical
10	MP4	N31	N32			Mount pipe	Beam	None	A53 Gr.B	Typical
11	M20	N41	N48			Gracing Angle	Beam	None	A36 Gr.36	Typical
12	M21	N42	N50		270	Gracing Angle	Beam	None	A36 Gr.36	Typical
13	M20A	N47A	N48A			Cross Plate	Beam	None	A36 Gr.36	Typical
14	M24	N52	N54A			Gracing Angle	Beam	None	A36 Gr.36	Typical
15	M25	N53	N55A		270	Gracing Angle	Beam	None	A36 Gr.36	Typical
16	M26B	N45A	N46A			Cross Plate	Beam	None	A36 Gr.36	Typical
17	M30	N77B	N76A			Cross tube	Beam	None	A53 Gr.B	Typical
18	M31	N63	N65			Gracing Angle	Beam	None	A36 Gr.36	Typical
19	M32	N64	N66		270	Gracing Angle	Beam	None	A36 Gr.36	Typical
20	M33	N49A	N50A			Cross Plate	Beam	None	A36 Gr.36	Typical
21	M34	N69	N64			Cross tube	Beam	None	A53 Gr.B	Typical
22	M40	N15	N16A			Mount pipe	Beam	None	A53 Gr.B	Typical
23	M44	N27	N28			Mount pipe	Beam	None	A53 Gr.B	Typical
24	M42A	N54	N71A			Standoff	Beam	None	A53 Gr.B	Typical
25	M43A	N55	N74			Standoff	Beam	None	A53 Gr.B	Typical
26	M44A	N56	N77			Standoff	Beam	None	A53 Gr.B	Typical
27	MP8	N68	N69A			Mount pipe	Beam	None	A53 Gr.B	Typical
28	MP5	N72A	N73			Mount pipe	Beam	None	A53 Gr.B	Typical
29	M29	N78A	N77C			Cross tube	Beam	None	A53 Gr.B	Typical
30	M30A	N81	N80			Cross tube	Beam	None	A53 Gr.B	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Horizontal	150			Lbyy						Lateral
2	MP3	Mount pipe	72			Lbyy						Lateral
3	MP2	Mount pipe	72			Lbyy						Lateral
4	MP1	Mount pipe	72			Lbyy						Lateral
5	M5	Horizontal	150			Lbyy						Lateral
6	MP9	Mount pipe	72			Lbyy						Lateral
7	MP7	Mount pipe	72			Lbyy						Lateral
8	M9	Horizontal	150			Lbyy						Lateral
9	MP6	Mount pipe	72			Lbyy						Lateral
10	MP4	Mount pipe	72			Lbyy						Lateral
11	M20	Gracing An...	52.703			Lbyy						Lateral
12	M21	Gracing An...	52.703			Lbyy						Lateral
13	M20A	Cross Plate	10.135			Lbyy						Lateral
14	M24	Gracing An...	52.703			Lbyy						Lateral
15	M25	Gracing An...	52.703			Lbyy						Lateral
16	M26B	Cross Plate	10.135			Lbyy						Lateral
17	M30	Cross tube	62.838			Lbyy						Lateral
18	M31	Gracing An...	52.703			Lbyy						Lateral
19	M32	Gracing An...	52.703			Lbyy						Lateral
20	M33	Cross Plate	10.135			Lbyy						Lateral
21	M34	Cross tube	28.125			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torqu...	Kyy	Kzz	Cb	Function
22	M40	Mount pipe	72			Lbyy						Lateral
23	M44	Mount pipe	72			Lbyy						Lateral
24	M42A	Standoff	63.851			Lbyy						Lateral
25	M43A	Standoff	63.851			Lbyy						Lateral
26	M44A	Standoff	63.851			Lbyy						Lateral
27	MP8	Mount pipe	72			Lbyy						Lateral
28	MP5	Mount pipe	72			Lbyy						Lateral
29	M29	Cross tube	62.838			Lbyy						Lateral
30	M30A	Cross tube	62.838			Lbyy						Lateral

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis...	Inactive	Seismic
1	M1						Yes				None
2	MP3						Yes				None
3	MP2						Yes	Default			None
4	MP1						Yes				None
5	M5						Yes				None
6	MP9						Yes				None
7	MP7						Yes				None
8	M9						Yes				None
9	MP6						Yes				None
10	MP4						Yes				None
11	M20						Yes	Default			None
12	M21						Yes				None
13	M20A	BenPIN	BenPIN				Yes	Default			None
14	M24						Yes	Default			None
15	M25						Yes	Default			None
16	M26B	BenPIN	BenPIN				Yes	Default			None
17	M30	BenPIN	BenPIN				Yes	Default			None
18	M31						Yes	Default			None
19	M32						Yes	Default			None
20	M33	BenPIN	BenPIN				Yes	Default			None
21	M34						Yes				None
22	M40						Yes				None
23	M44						Yes				None
24	M42A						Yes				None
25	M43A						Yes				None
26	M44A						Yes				None
27	MP8						Yes	Default			None
28	MP5						Yes	Default			None
29	M29	BenPIN	BenPIN				Yes	Default			None
30	M30A	BenPIN	BenPIN				Yes	Default			None

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Horizontal	PIPE_3.0	Beam	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Mount pipe	PIPE_2.0	Beam	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Cross Plate	6X1/2	Beam	None	A36 Gr.36	Typical	3	.063	9	.237
4	Gracing Angle	L2x2x3	Beam	None	A36 Gr.36	Typical	.722	.271	.271	.009
5	Cross tube	HSS4X4X4	Beam	None	A53 Gr.B	Typical	3.37	7.8	7.8	12.8
6	Standoff	HSS4X4X4	Beam	None	A53 Gr.B	Typical	3.37	7.8	7.8	12.8
7	Bent plate	6x3/8	Beam	None	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Mount pipe c...	1.5x0.5	Beam	None	A36 Gr.36	Typical	.75	.016	.141	.049

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Self Weight	DL		-1			30		3	
2	Wind Load AZI_0	WLZ					60			
3	Wind Load AZI_30	None					60			
4	Wind Load AZI_60	None					60			
5	Wind Load AZI_90	WLX					60			
6	Wind Load AZI_120	None					60			
7	Wind Load AZI_150	None					60			
8	Wind Load AZI_180	None					60			
9	Wind Load AZI_210	None					60			
10	Wind Load AZI_240	None					60			
11	Wind Load AZI_270	None					60			
12	Wind Load AZI_300	None					60			
13	Wind Load AZI_330	None					60			
14	Distr. Wind Load Z	WLZ						30		
15	Distr. Wind Load X	WLX						30		
16	Ice Weight	OL1					30	30	3	
17	Ice Wind Load AZI_0	OL2					60			
18	Ice Wind Load AZI_30	None					60			
19	Ice Wind Load AZI_60	None					60			
20	Ice Wind Load AZI_90	OL3					60			
21	Ice Wind Load AZI_120	None					60			
22	Ice Wind Load AZI_150	None					60			
23	Ice Wind Load AZI_180	None					60			
24	Ice Wind Load AZI_210	None					60			
25	Ice Wind Load AZI_240	None					60			
26	Ice Wind Load AZI_270	None					60			
27	Ice Wind Load AZI_300	None					60			
28	Ice Wind Load AZI_330	None					60			
29	Distr. Ice Wind Load Z	OL2						30		
30	Distr. Ice Wind Load X	OL3						30		
31	Seismic Load Z	ELZ			-.093		30			
32	Seismic Load X	ELX	-.093				30			
33	Service Live Loads	LL				6				
34	Maintenance Load 1	LL				1				
35	Maintenance Load 2	LL				1				
36	Maintenance Load 3	LL				1				
37	Maintenance Load 4	LL				1				
38	Maintenance Load 5	LL				1				
39	Maintenance Load 6	LL				1				
40	Maintenance Load 7	LL				1				
41	Maintenance Load 8	LL				1				
42	Maintenance Load 9	LL				1				
43	BLC 1 Transient Area Loads	None						57		
44	BLC 16 Transient Area Lo...	None						61		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.4DL	Yes	Y		1	1.4																		
2	1.2DL + 1WL AZI...	Yes	Y		1	1.2	2	1	14	1	15													
3	1.2DL + 1WL AZI...	Yes	Y		1	1.2	3	1	14	.866	15	.5												
4	1.2DL + 1WL AZI...	Yes	Y		1	1.2	4	1	14	.5	15	.866												
5	1.2DL + 1WL AZI...	Yes	Y		1	1.2	5	1	14		15	1												
6	1.2DL + 1WL AZI...	Yes	Y		1	1.2	6	1	14	-.5	15	.866												
7	1.2DL + 1WL AZI...	Yes	Y		1	1.2	7	1	14	-.866	15	.5												

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
8	1.2DL + 1WL AZI...	Yes	Y		1	1.2	8	1	14	-1	15													
9	1.2DL + 1WL AZI...	Yes	Y		1	1.2	9	1	14	-.866	15	-.5												
10	1.2DL + 1WL AZI...	Yes	Y		1	1.2	10	1	14	-.5	15	-.866												
11	1.2DL + 1WL AZI...	Yes	Y		1	1.2	11	1	14		15	-1												
12	1.2DL + 1WL AZI...	Yes	Y		1	1.2	12	1	14	.5	15	-.866												
13	1.2DL + 1WL AZI...	Yes	Y		1	1.2	13	1	14	.866	15	-.5												
14	0.9DL + 1WL AZI...	Yes	Y		1	.9	2	1	14	1	15													
15	0.9DL + 1WL AZI...	Yes	Y		1	.9	3	1	14	.866	15	.5												
16	0.9DL + 1WL AZI...	Yes	Y		1	.9	4	1	14	.5	15	.866												
17	0.9DL + 1WL AZI...	Yes	Y		1	.9	5	1	14		15	1												
18	0.9DL + 1WL AZI...	Yes	Y		1	.9	6	1	14	-.5	15	.866												
19	0.9DL + 1WL AZI...	Yes	Y		1	.9	7	1	14	-.866	15	.5												
20	0.9DL + 1WL AZI...	Yes	Y		1	.9	8	1	14	-1	15													
21	0.9DL + 1WL AZI...	Yes	Y		1	.9	9	1	14	-.866	15	-.5												
22	0.9DL + 1WL AZI...	Yes	Y		1	.9	10	1	14	-.5	15	-.866												
23	0.9DL + 1WL AZI...	Yes	Y		1	.9	11	1	14		15	-1												
24	0.9DL + 1WL AZI...	Yes	Y		1	.9	12	1	14	.5	15	-.866												
25	0.9DL + 1WL AZI...	Yes	Y		1	.9	13	1	14	.866	15	-.5												
26	1.2D + 1.0Di	Yes	Y		1	1.2	16	1																
27	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	17	1	29	1	30											
28	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	18	1	29	.866	30	.5										
29	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	19	1	29	.5	30	.866										
30	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	20	1	29		30	1										
31	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	21	1	29	-.5	30	.866										
32	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	22	1	29	-.866	30	.5										
33	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	23	1	29	-1	30											
34	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	24	1	29	-.866	30	-.5										
35	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	25	1	29	-.5	30	-.866										
36	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	26	1	29		30	-1										
37	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	27	1	29	.5	30	-.866										
38	1.2D + 1.0Di +1....	Yes	Y		1	1.2	16	1	28	1	29	.866	30	-.5										
39	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	1	32															
40	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	.866	32	.5														
41	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	.5	32	.866														
42	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31		32	1														
43	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	-.5	32	.866														
44	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	-.866	32	.5														
45	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	-1	32															
46	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	-.866	32	-.5														
47	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	-.5	32	-.866														
48	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31		32	-1														
49	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	.5	32	-.866														
50	(1.2 + 0.2Sds)DL...	Yes	Y		1	1.237	31	.866	32	-.5														
51	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	1	32															
52	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	.866	32	.5														
53	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	.5	32	.866														
54	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31		32	1														
55	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	-.5	32	.866														
56	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	-.866	32	.5														
57	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	-1	32															
58	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	-.866	32	-.5														
59	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	-.5	32	-.866														
60	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31		32	-1														
61	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	.5	32	-.866														
62	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.863	31	.866	32	-.5														
63	1.0DL + 1.0SWL ...	Yes	Y		1	1	2	.272	14	.272	15													
64	1.0DL + 1.0SWL ...	Yes	Y		1	1	3	.272	14	.236	15	.136												

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
65	1.0DL + 1.0SWL ...	Yes	Y		1	1	4	.272	14	.136	15	.236												
66	1.0DL + 1.0SWL ...	Yes	Y		1	1	5	.272	14		15	.272												
67	1.0DL + 1.0SWL ...	Yes	Y		1	1	6	.272	14	-.136	15	.236												
68	1.0DL + 1.0SWL ...	Yes	Y		1	1	7	.272	14	-.236	15	.136												
69	1.0DL + 1.0SWL ...	Yes	Y		1	1	8	.272	14	-.272	15													
70	1.0DL + 1.0SWL ...	Yes	Y		1	1	9	.272	14	-.236	15	-.136												
71	1.0DL + 1.0SWL ...	Yes	Y		1	1	10	.272	14	-.136	15	-.236												
72	1.0DL + 1.0SWL ...	Yes	Y		1	1	11	.272	14		15	-.272												
73	1.0DL + 1.0SWL ...	Yes	Y		1	1	12	.272	14	.136	15	-.236												
74	1.0DL + 1.0SWL ...	Yes	Y		1	1	13	.272	14	.236	15	-.136												
75	1.2DL + 1.5LL	Yes	Y		1	1.2	33	1.5																
76	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	2	.068	14	.068	15											
77	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	3	.068	14	.059	15	.034										
78	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	4	.068	14	.034	15	.059										
79	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	5	.068	14		15	.068										
80	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	6	.068	14	-.034	15	.059										
81	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	7	.068	14	-.059	15	.034										
82	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	8	.068	14	-.068	15											
83	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	9	.068	14	-.059	15	-.034										
84	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	10	.068	14	-.034	15	-.059										
85	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	11	.068	14		15	-.068										
86	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	12	.068	14	.034	15	-.059										
87	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	13	.068	14	.059	15	-.034										
88	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	2	.068	14	.068	15											
89	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	3	.068	14	.059	15	.034										
90	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	4	.068	14	.034	15	.059										
91	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	5	.068	14		15	.068										
92	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	6	.068	14	-.034	15	.059										
93	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	7	.068	14	-.059	15	.034										
94	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	8	.068	14	-.068	15											
95	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	9	.068	14	-.059	15	-.034										
96	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	10	.068	14	-.034	15	-.059										
97	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	11	.068	14		15	-.068										
98	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	12	.068	14	.034	15	-.059										
99	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	13	.068	14	.059	15	-.034										
100	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	2	.068	14	.068	15											
101	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	3	.068	14	.059	15	.034										
102	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	4	.068	14	.034	15	.059										
103	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	5	.068	14		15	.068										
104	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	6	.068	14	-.034	15	.059										
105	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	7	.068	14	-.059	15	.034										
106	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	8	.068	14	-.068	15											
107	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	9	.068	14	-.059	15	-.034										
108	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	10	.068	14	-.034	15	-.059										
109	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	11	.068	14		15	-.068										
110	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	12	.068	14	.034	15	-.059										
111	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	13	.068	14	.059	15	-.034										
112	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	2	.068	14	.068	15											
113	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	3	.068	14	.059	15	.034										
114	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	4	.068	14	.034	15	.059										
115	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	5	.068	14		15	.068										
116	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	6	.068	14	-.034	15	.059										
117	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	7	.068	14	-.059	15	.034										
118	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	8	.068	14	-.068	15											
119	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	9	.068	14	-.059	15	-.034										
120	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	10	.068	14	-.034	15	-.059										
121	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	11	.068	14		15	-.068										

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
122	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	12	.068	14	.034	15	-.059										
123	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	13	.068	14	.059	15	-.034										
124	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	2	.068	14	.068	15											
125	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	3	.068	14	.059	15	.034										
126	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	4	.068	14	.034	15	.059										
127	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	5	.068	14		15	.068										
128	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	6	.068	14	-.034	15	.059										
129	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	7	.068	14	-.059	15	.034										
130	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	8	.068	14	-.068	15											
131	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	9	.068	14	-.059	15	-.034										
132	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	10	.068	14	-.034	15	-.059										
133	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	11	.068	14		15	-.068										
134	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	12	.068	14	.034	15	-.059										
135	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	13	.068	14	.059	15	-.034										
136	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	2	.068	14	.068	15											
137	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	3	.068	14	.059	15	.034										
138	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	4	.068	14	.034	15	.059										
139	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	5	.068	14		15	.068										
140	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	6	.068	14	-.034	15	.059										
141	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	7	.068	14	-.059	15	.034										
142	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	8	.068	14	-.068	15											
143	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	9	.068	14	-.059	15	-.034										
144	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	10	.068	14	-.034	15	-.059										
145	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	11	.068	14		15	-.068										
146	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	12	.068	14	.034	15	-.059										
147	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	13	.068	14	.059	15	-.034										
148	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	2	.068	14	.068	15											
149	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	3	.068	14	.059	15	.034										
150	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	4	.068	14	.034	15	.059										
151	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	5	.068	14		15	.068										
152	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	6	.068	14	-.034	15	.059										
153	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	7	.068	14	-.059	15	.034										
154	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	8	.068	14	-.068	15											
155	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	9	.068	14	-.059	15	-.034										
156	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	10	.068	14	-.034	15	-.059										
157	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	11	.068	14		15	-.068										
158	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	12	.068	14	.034	15	-.059										
159	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	13	.068	14	.059	15	-.034										
160	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	2	.068	14	.068	15											
161	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	3	.068	14	.059	15	.034										
162	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	4	.068	14	.034	15	.059										
163	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	5	.068	14		15	.068										
164	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	6	.068	14	-.034	15	.059										
165	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	7	.068	14	-.059	15	.034										
166	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	8	.068	14	-.068	15											
167	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	9	.068	14	-.059	15	-.034										
168	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	10	.068	14	-.034	15	-.059										
169	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	11	.068	14		15	-.068										
170	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	12	.068	14	.034	15	-.059										
171	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	13	.068	14	.059	15	-.034										
172	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	2	.068	14	.068	15											
173	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	3	.068	14	.059	15	.034										
174	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	4	.068	14	.034	15	.059										
175	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	5	.068	14		15	.068										
176	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	6	.068	14	-.034	15	.059										
177	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	7	.068	14	-.059	15	.034										
178	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	8	.068	14	-.068	15											

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
179	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	9	.068	14	-.059	15	-.034										
180	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	10	.068	14	-.034	15	-.059										
181	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	11	.068	14		15	-.068										
182	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	12	.068	14	.034	15	-.059										

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]	Y Rot [k-ft/rad]	Z Rot [k-ft/rad]
1	N71A	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N74	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N77	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N71A	max	1356.635	18	2122.241	31	1035.543	13	-282.892	25	878.357	15	-530.615	23
2		min	-1364.687	12	404.833	24	-1030.948	19	-2840.65	81	-878.187	21	-4511.123	75
3	N74	max	1459.739	4	2185.204	35	1084.624	2	-293.34	15	964.653	19	4763.995	35
4		min	-1451.664	22	407.906	16	-1079.689	20	-2876.879	107	-964.792	25	589.936	17
5	N77	max	999.688	17	2336.378	27	1741.172	14	5592.017	27	1106.001	23	602.734	169
6		min	-999.7	23	469.874	20	-1750.61	8	724.686	20	-1105.812	17	-662.13	175
7	Totals:	max	3731.244	17	6560.561	38	3856.36	14						
8		min	-3731.244	11	1942.514	51	-3856.36	8						

Member Point Loads (BLC 1 : Self Weight)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	Y	-17.5	72
2	MP3	Y	-17.5	17
3	MP3	Y	-14.1	60
4	MP3	Y	-14.1	60
5	MP2	Y	-21.5	72
6	MP2	Y	-21.5	0
7	MP2	Y	-75	48
8	MP1	Y	-39.7	72
9	MP1	Y	-39.7	0
10	MP1	Y	-70	60
11	MP6	Y	-17.5	72
12	MP6	Y	-17.5	17
13	MP6	Y	-14.1	60
14	MP6	Y	-14.1	60
15	MP5	Y	-21.5	72
16	MP5	Y	-21.5	0
17	MP5	Y	-75	48
18	MP4	Y	-39.7	72
19	MP4	Y	-39.7	0
20	MP4	Y	-70	60
21	MP9	Y	-17.5	72
22	MP9	Y	-17.5	17
23	MP9	Y	-14.1	60
24	MP9	Y	-14.1	60
25	MP8	Y	-21.5	72
26	MP8	Y	-21.5	0
27	MP8	Y	-75	48
28	MP7	Y	-39.7	72

Member Point Loads (BLC 1 : Self Weight) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
29	MP7	Y	-39.7	0
30	MP7	Y	-70	60

Member Point Loads (BLC 2 : Wind Load AZI_0)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	0	72
2	MP3	Z	-83.14	72
3	MP3	X	0	17
4	MP3	Z	-83.14	17
5	MP3	X	0	60
6	MP3	Z	-33.32	60
7	MP3	X	0	60
8	MP3	Z	-33.32	60
9	MP2	X	0	72
10	MP2	Z	-118.68	72
11	MP2	X	0	0
12	MP2	Z	-118.68	0
13	MP2	X	0	48
14	MP2	Z	-59.77	48
15	MP1	X	0	72
16	MP1	Z	-191.81	72
17	MP1	X	0	0
18	MP1	Z	-191.81	0
19	MP1	X	0	60
20	MP1	Z	-59.77	60
21	MP6	X	0	72
22	MP6	Z	-53.93	72
23	MP6	X	0	17
24	MP6	Z	-53.93	17
25	MP6	X	0	60
26	MP6	Z	-16.19	60
27	MP6	X	0	60
28	MP6	Z	-16.19	60
29	MP5	X	0	72
30	MP5	Z	-97.8	72
31	MP5	X	0	0
32	MP5	Z	-97.8	0
33	MP5	X	0	48
34	MP5	Z	-53.31	48
35	MP4	X	0	72
36	MP4	Z	-111.51	72
37	MP4	X	0	0
38	MP4	Z	-111.51	0
39	MP4	X	0	60
40	MP4	Z	-46.86	60
41	MP9	X	0	72
42	MP9	Z	-53.93	72
43	MP9	X	0	17
44	MP9	Z	-53.93	17
45	MP9	X	0	60
46	MP9	Z	-16.19	60
47	MP9	X	0	60
48	MP9	Z	-16.19	60
49	MP8	X	0	72
50	MP8	Z	-97.8	72
51	MP8	X	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
52	MP8	Z	-97.8	0
53	MP8	X	0	48
54	MP8	Z	-53.31	48
55	MP7	X	0	72
56	MP7	Z	-111.51	72
57	MP7	X	0	0
58	MP7	Z	-111.51	0
59	MP7	X	0	60
60	MP7	Z	-46.86	60

Member Point Loads (BLC 3 : Wind Load AZI 30)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-36.7	72
2	MP3	Z	-63.57	72
3	MP3	X	-36.7	17
4	MP3	Z	-63.57	17
5	MP3	X	-13.81	60
6	MP3	Z	-23.91	60
7	MP3	X	-13.81	60
8	MP3	Z	-23.91	60
9	MP2	X	-55.86	72
10	MP2	Z	-96.76	72
11	MP2	X	-55.86	0
12	MP2	Z	-96.76	0
13	MP2	X	-28.81	48
14	MP2	Z	-49.9	48
15	MP1	X	-82.52	72
16	MP1	Z	-142.94	72
17	MP1	X	-82.52	0
18	MP1	Z	-142.94	0
19	MP1	X	-27.73	60
20	MP1	Z	-48.03	60
21	MP6	X	-36.7	72
22	MP6	Z	-63.57	72
23	MP6	X	-36.7	17
24	MP6	Z	-63.57	17
25	MP6	X	-13.81	60
26	MP6	Z	-23.91	60
27	MP6	X	-13.81	60
28	MP6	Z	-23.91	60
29	MP5	X	-55.86	72
30	MP5	Z	-96.76	72
31	MP5	X	-55.86	0
32	MP5	Z	-96.76	0
33	MP5	X	-28.81	48
34	MP5	Z	-49.9	48
35	MP4	X	-82.52	72
36	MP4	Z	-142.94	72
37	MP4	X	-82.52	0
38	MP4	Z	-142.94	0
39	MP4	X	-27.73	60
40	MP4	Z	-48.03	60
41	MP9	X	-22.1	72
42	MP9	Z	-38.27	72
43	MP9	X	-22.1	17
44	MP9	Z	-38.27	17

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
45	MP9	X	-5.24	60
46	MP9	Z	-9.07	60
47	MP9	X	-5.24	60
48	MP9	Z	-9.07	60
49	MP8	X	-45.42	72
50	MP8	Z	-78.67	72
51	MP8	X	-45.42	0
52	MP8	Z	-78.67	0
53	MP8	X	-25.58	48
54	MP8	Z	-44.31	48
55	MP7	X	-42.37	72
56	MP7	Z	-73.39	72
57	MP7	X	-42.37	0
58	MP7	Z	-73.39	0
59	MP7	X	-21.28	60
60	MP7	Z	-36.86	60

Member Point Loads (BLC 4 : Wind Load AZI 60)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-46.7	72
2	MP3	Z	-26.96	72
3	MP3	X	-46.7	17
4	MP3	Z	-26.96	17
5	MP3	X	-14.02	60
6	MP3	Z	-8.09	60
7	MP3	X	-14.02	60
8	MP3	Z	-8.09	60
9	MP2	X	-84.7	72
10	MP2	Z	-48.9	72
11	MP2	X	-84.7	0
12	MP2	Z	-48.9	0
13	MP2	X	-46.17	48
14	MP2	Z	-26.66	48
15	MP1	X	-96.57	72
16	MP1	Z	-55.76	72
17	MP1	X	-96.57	0
18	MP1	Z	-55.76	0
19	MP1	X	-40.58	60
20	MP1	Z	-23.43	60
21	MP6	X	-72	72
22	MP6	Z	-41.57	72
23	MP6	X	-72	17
24	MP6	Z	-41.57	17
25	MP6	X	-28.86	60
26	MP6	Z	-16.66	60
27	MP6	X	-28.86	60
28	MP6	Z	-16.66	60
29	MP5	X	-102.78	72
30	MP5	Z	-59.34	72
31	MP5	X	-102.78	0
32	MP5	Z	-59.34	0
33	MP5	X	-51.76	48
34	MP5	Z	-29.88	48
35	MP4	X	-166.12	72
36	MP4	Z	-95.91	72
37	MP4	X	-166.12	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
38	MP4	Z	-95.91	0
39	MP4	X	-51.76	60
40	MP4	Z	-29.88	60
41	MP9	X	-46.7	72
42	MP9	Z	-26.96	72
43	MP9	X	-46.7	17
44	MP9	Z	-26.96	17
45	MP9	X	-14.02	60
46	MP9	Z	-8.09	60
47	MP9	X	-14.02	60
48	MP9	Z	-8.09	60
49	MP8	X	-84.7	72
50	MP8	Z	-48.9	72
51	MP8	X	-84.7	0
52	MP8	Z	-48.9	0
53	MP8	X	-46.17	48
54	MP8	Z	-26.66	48
55	MP7	X	-96.57	72
56	MP7	Z	-55.76	72
57	MP7	X	-96.57	0
58	MP7	Z	-55.76	0
59	MP7	X	-40.58	60
60	MP7	Z	-23.43	60

Member Point Loads (BLC 5 : Wind Load AZI 90)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-44.19	72
2	MP3	Z	0	72
3	MP3	X	-44.19	17
4	MP3	Z	0	17
5	MP3	X	-10.48	60
6	MP3	Z	0	60
7	MP3	X	-10.48	60
8	MP3	Z	0	60
9	MP2	X	-90.84	72
10	MP2	Z	0	72
11	MP2	X	-90.84	0
12	MP2	Z	0	0
13	MP2	X	-51.16	48
14	MP2	Z	0	48
15	MP1	X	-84.75	72
16	MP1	Z	0	72
17	MP1	X	-84.75	0
18	MP1	Z	0	0
19	MP1	X	-42.56	60
20	MP1	Z	0	60
21	MP6	X	-73.4	72
22	MP6	Z	0	72
23	MP6	X	-73.4	17
24	MP6	Z	0	17
25	MP6	X	-27.61	60
26	MP6	Z	0	60
27	MP6	X	-27.61	60
28	MP6	Z	0	60
29	MP5	X	-111.72	72
30	MP5	Z	0	72

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP5	X	-111.72	0
32	MP5	Z	0	0
33	MP5	X	-57.61	48
34	MP5	Z	0	48
35	MP4	X	-165.05	72
36	MP4	Z	0	72
37	MP4	X	-165.05	0
38	MP4	Z	0	0
39	MP4	X	-55.46	60
40	MP4	Z	0	60
41	MP9	X	-73.4	72
42	MP9	Z	0	72
43	MP9	X	-73.4	17
44	MP9	Z	0	17
45	MP9	X	-27.61	60
46	MP9	Z	0	60
47	MP9	X	-27.61	60
48	MP9	Z	0	60
49	MP8	X	-111.72	72
50	MP8	Z	0	72
51	MP8	X	-111.72	0
52	MP8	Z	0	0
53	MP8	X	-57.61	48
54	MP8	Z	0	48
55	MP7	X	-165.05	72
56	MP7	Z	0	72
57	MP7	X	-165.05	0
58	MP7	Z	0	0
59	MP7	X	-55.46	60
60	MP7	Z	0	60

Member Point Loads (BLC 6 : Wind Load AZI 120)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-46.7	72
2	MP3	Z	26.96	72
3	MP3	X	-46.7	17
4	MP3	Z	26.96	17
5	MP3	X	-14.02	60
6	MP3	Z	8.09	60
7	MP3	X	-14.02	60
8	MP3	Z	8.09	60
9	MP2	X	-84.7	72
10	MP2	Z	48.9	72
11	MP2	X	-84.7	0
12	MP2	Z	48.9	0
13	MP2	X	-46.17	48
14	MP2	Z	26.66	48
15	MP1	X	-96.57	72
16	MP1	Z	55.76	72
17	MP1	X	-96.57	0
18	MP1	Z	55.76	0
19	MP1	X	-40.58	60
20	MP1	Z	23.43	60
21	MP6	X	-46.7	72
22	MP6	Z	26.96	72
23	MP6	X	-46.7	17

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
24	MP6	Z	26.96	17
25	MP6	X	-14.02	60
26	MP6	Z	8.09	60
27	MP6	X	-14.02	60
28	MP6	Z	8.09	60
29	MP5	X	-84.7	72
30	MP5	Z	48.9	72
31	MP5	X	-84.7	0
32	MP5	Z	48.9	0
33	MP5	X	-46.17	48
34	MP5	Z	26.66	48
35	MP4	X	-96.57	72
36	MP4	Z	55.76	72
37	MP4	X	-96.57	0
38	MP4	Z	55.76	0
39	MP4	X	-40.58	60
40	MP4	Z	23.43	60
41	MP9	X	-72	72
42	MP9	Z	41.57	72
43	MP9	X	-72	17
44	MP9	Z	41.57	17
45	MP9	X	-28.86	60
46	MP9	Z	16.66	60
47	MP9	X	-28.86	60
48	MP9	Z	16.66	60
49	MP8	X	-102.78	72
50	MP8	Z	59.34	72
51	MP8	X	-102.78	0
52	MP8	Z	59.34	0
53	MP8	X	-51.76	48
54	MP8	Z	29.88	48
55	MP7	X	-166.12	72
56	MP7	Z	95.91	72
57	MP7	X	-166.12	0
58	MP7	Z	95.91	0
59	MP7	X	-51.76	60
60	MP7	Z	29.88	60

Member Point Loads (BLC 7 : Wind Load AZI 150)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-36.7	72
2	MP3	Z	63.57	72
3	MP3	X	-36.7	17
4	MP3	Z	63.57	17
5	MP3	X	-13.81	60
6	MP3	Z	23.91	60
7	MP3	X	-13.81	60
8	MP3	Z	23.91	60
9	MP2	X	-55.86	72
10	MP2	Z	96.76	72
11	MP2	X	-55.86	0
12	MP2	Z	96.76	0
13	MP2	X	-28.81	48
14	MP2	Z	49.9	48
15	MP1	X	-82.52	72
16	MP1	Z	142.94	72

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
17	MP1	X	-82.52	0
18	MP1	Z	142.94	0
19	MP1	X	-27.73	60
20	MP1	Z	48.03	60
21	MP6	X	-22.1	72
22	MP6	Z	38.27	72
23	MP6	X	-22.1	17
24	MP6	Z	38.27	17
25	MP6	X	-5.24	60
26	MP6	Z	9.07	60
27	MP6	X	-5.24	60
28	MP6	Z	9.07	60
29	MP5	X	-45.42	72
30	MP5	Z	78.67	72
31	MP5	X	-45.42	0
32	MP5	Z	78.67	0
33	MP5	X	-25.58	48
34	MP5	Z	44.31	48
35	MP4	X	-42.37	72
36	MP4	Z	73.39	72
37	MP4	X	-42.37	0
38	MP4	Z	73.39	0
39	MP4	X	-21.28	60
40	MP4	Z	36.86	60
41	MP9	X	-36.7	72
42	MP9	Z	63.57	72
43	MP9	X	-36.7	17
44	MP9	Z	63.57	17
45	MP9	X	-13.81	60
46	MP9	Z	23.91	60
47	MP9	X	-13.81	60
48	MP9	Z	23.91	60
49	MP8	X	-55.86	72
50	MP8	Z	96.76	72
51	MP8	X	-55.86	0
52	MP8	Z	96.76	0
53	MP8	X	-28.81	48
54	MP8	Z	49.9	48
55	MP7	X	-82.52	72
56	MP7	Z	142.94	72
57	MP7	X	-82.52	0
58	MP7	Z	142.94	0
59	MP7	X	-27.73	60
60	MP7	Z	48.03	60

Member Point Loads (BLC 8 : Wind Load AZI 180)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	0	72
2	MP3	Z	83.14	72
3	MP3	X	0	17
4	MP3	Z	83.14	17
5	MP3	X	0	60
6	MP3	Z	33.32	60
7	MP3	X	0	60
8	MP3	Z	33.32	60
9	MP2	X	0	72

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
10	MP2	Z	118.68	72
11	MP2	X	0	0
12	MP2	Z	118.68	0
13	MP2	X	0	48
14	MP2	Z	59.77	48
15	MP1	X	0	72
16	MP1	Z	191.81	72
17	MP1	X	0	0
18	MP1	Z	191.81	0
19	MP1	X	0	60
20	MP1	Z	59.77	60
21	MP6	X	0	72
22	MP6	Z	53.93	72
23	MP6	X	0	17
24	MP6	Z	53.93	17
25	MP6	X	0	60
26	MP6	Z	16.19	60
27	MP6	X	0	60
28	MP6	Z	16.19	60
29	MP5	X	0	72
30	MP5	Z	97.8	72
31	MP5	X	0	0
32	MP5	Z	97.8	0
33	MP5	X	0	48
34	MP5	Z	53.31	48
35	MP4	X	0	72
36	MP4	Z	111.51	72
37	MP4	X	0	0
38	MP4	Z	111.51	0
39	MP4	X	0	60
40	MP4	Z	46.86	60
41	MP9	X	0	72
42	MP9	Z	53.93	72
43	MP9	X	0	17
44	MP9	Z	53.93	17
45	MP9	X	0	60
46	MP9	Z	16.19	60
47	MP9	X	0	60
48	MP9	Z	16.19	60
49	MP8	X	0	72
50	MP8	Z	97.8	72
51	MP8	X	0	0
52	MP8	Z	97.8	0
53	MP8	X	0	48
54	MP8	Z	53.31	48
55	MP7	X	0	72
56	MP7	Z	111.51	72
57	MP7	X	0	0
58	MP7	Z	111.51	0
59	MP7	X	0	60
60	MP7	Z	46.86	60

Member Point Loads (BLC 9 : Wind Load AZI 210)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	36.7	72
2	MP3	Z	63.57	72

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP3	X	36.7	17
4	MP3	Z	63.57	17
5	MP3	X	13.81	60
6	MP3	Z	23.91	60
7	MP3	X	13.81	60
8	MP3	Z	23.91	60
9	MP2	X	55.86	72
10	MP2	Z	96.76	72
11	MP2	X	55.86	0
12	MP2	Z	96.76	0
13	MP2	X	28.81	48
14	MP2	Z	49.9	48
15	MP1	X	82.52	72
16	MP1	Z	142.94	72
17	MP1	X	82.52	0
18	MP1	Z	142.94	0
19	MP1	X	27.73	60
20	MP1	Z	48.03	60
21	MP6	X	36.7	72
22	MP6	Z	63.57	72
23	MP6	X	36.7	17
24	MP6	Z	63.57	17
25	MP6	X	13.81	60
26	MP6	Z	23.91	60
27	MP6	X	13.81	60
28	MP6	Z	23.91	60
29	MP5	X	55.86	72
30	MP5	Z	96.76	72
31	MP5	X	55.86	0
32	MP5	Z	96.76	0
33	MP5	X	28.81	48
34	MP5	Z	49.9	48
35	MP4	X	82.52	72
36	MP4	Z	142.94	72
37	MP4	X	82.52	0
38	MP4	Z	142.94	0
39	MP4	X	27.73	60
40	MP4	Z	48.03	60
41	MP9	X	22.1	72
42	MP9	Z	38.27	72
43	MP9	X	22.1	17
44	MP9	Z	38.27	17
45	MP9	X	5.24	60
46	MP9	Z	9.07	60
47	MP9	X	5.24	60
48	MP9	Z	9.07	60
49	MP8	X	45.42	72
50	MP8	Z	78.67	72
51	MP8	X	45.42	0
52	MP8	Z	78.67	0
53	MP8	X	25.58	48
54	MP8	Z	44.31	48
55	MP7	X	42.37	72
56	MP7	Z	73.39	72
57	MP7	X	42.37	0
58	MP7	Z	73.39	0
59	MP7	X	21.28	60

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
60	MP7	Z	36.86	60

Member Point Loads (BLC 10 : Wind Load AZI 240)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	46.7	72
2	MP3	Z	26.96	72
3	MP3	X	46.7	17
4	MP3	Z	26.96	17
5	MP3	X	14.02	60
6	MP3	Z	8.09	60
7	MP3	X	14.02	60
8	MP3	Z	8.09	60
9	MP2	X	84.7	72
10	MP2	Z	48.9	72
11	MP2	X	84.7	0
12	MP2	Z	48.9	0
13	MP2	X	46.17	48
14	MP2	Z	26.66	48
15	MP1	X	96.57	72
16	MP1	Z	55.76	72
17	MP1	X	96.57	0
18	MP1	Z	55.76	0
19	MP1	X	40.58	60
20	MP1	Z	23.43	60
21	MP6	X	72	72
22	MP6	Z	41.57	72
23	MP6	X	72	17
24	MP6	Z	41.57	17
25	MP6	X	28.86	60
26	MP6	Z	16.66	60
27	MP6	X	28.86	60
28	MP6	Z	16.66	60
29	MP5	X	102.78	72
30	MP5	Z	59.34	72
31	MP5	X	102.78	0
32	MP5	Z	59.34	0
33	MP5	X	51.76	48
34	MP5	Z	29.88	48
35	MP4	X	166.12	72
36	MP4	Z	95.91	72
37	MP4	X	166.12	0
38	MP4	Z	95.91	0
39	MP4	X	51.76	60
40	MP4	Z	29.88	60
41	MP9	X	46.7	72
42	MP9	Z	26.96	72
43	MP9	X	46.7	17
44	MP9	Z	26.96	17
45	MP9	X	14.02	60
46	MP9	Z	8.09	60
47	MP9	X	14.02	60
48	MP9	Z	8.09	60
49	MP8	X	84.7	72
50	MP8	Z	48.9	72
51	MP8	X	84.7	0
52	MP8	Z	48.9	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
53	MP8	X	46.17	48
54	MP8	Z	26.66	48
55	MP7	X	96.57	72
56	MP7	Z	55.76	72
57	MP7	X	96.57	0
58	MP7	Z	55.76	0
59	MP7	X	40.58	60
60	MP7	Z	23.43	60

Member Point Loads (BLC 11 : Wind Load AZI 270)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	44.19	72
2	MP3	Z	0	72
3	MP3	X	44.19	17
4	MP3	Z	0	17
5	MP3	X	10.48	60
6	MP3	Z	0	60
7	MP3	X	10.48	60
8	MP3	Z	0	60
9	MP2	X	90.84	72
10	MP2	Z	0	72
11	MP2	X	90.84	0
12	MP2	Z	0	0
13	MP2	X	51.16	48
14	MP2	Z	0	48
15	MP1	X	84.75	72
16	MP1	Z	0	72
17	MP1	X	84.75	0
18	MP1	Z	0	0
19	MP1	X	42.56	60
20	MP1	Z	0	60
21	MP6	X	73.4	72
22	MP6	Z	0	72
23	MP6	X	73.4	17
24	MP6	Z	0	17
25	MP6	X	27.61	60
26	MP6	Z	0	60
27	MP6	X	27.61	60
28	MP6	Z	0	60
29	MP5	X	111.72	72
30	MP5	Z	0	72
31	MP5	X	111.72	0
32	MP5	Z	0	0
33	MP5	X	57.61	48
34	MP5	Z	0	48
35	MP4	X	165.05	72
36	MP4	Z	0	72
37	MP4	X	165.05	0
38	MP4	Z	0	0
39	MP4	X	55.46	60
40	MP4	Z	0	60
41	MP9	X	73.4	72
42	MP9	Z	0	72
43	MP9	X	73.4	17
44	MP9	Z	0	17
45	MP9	X	27.61	60

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
46	MP9	Z	0	60
47	MP9	X	27.61	60
48	MP9	Z	0	60
49	MP8	X	111.72	72
50	MP8	Z	0	72
51	MP8	X	111.72	0
52	MP8	Z	0	0
53	MP8	X	57.61	48
54	MP8	Z	0	48
55	MP7	X	165.05	72
56	MP7	Z	0	72
57	MP7	X	165.05	0
58	MP7	Z	0	0
59	MP7	X	55.46	60
60	MP7	Z	0	60

Member Point Loads (BLC 12 : Wind Load AZI 300)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	46.7	72
2	MP3	Z	-26.96	72
3	MP3	X	46.7	17
4	MP3	Z	-26.96	17
5	MP3	X	14.02	60
6	MP3	Z	-8.09	60
7	MP3	X	14.02	60
8	MP3	Z	-8.09	60
9	MP2	X	84.7	72
10	MP2	Z	-48.9	72
11	MP2	X	84.7	0
12	MP2	Z	-48.9	0
13	MP2	X	46.17	48
14	MP2	Z	-26.66	48
15	MP1	X	96.57	72
16	MP1	Z	-55.76	72
17	MP1	X	96.57	0
18	MP1	Z	-55.76	0
19	MP1	X	40.58	60
20	MP1	Z	-23.43	60
21	MP6	X	46.7	72
22	MP6	Z	-26.96	72
23	MP6	X	46.7	17
24	MP6	Z	-26.96	17
25	MP6	X	14.02	60
26	MP6	Z	-8.09	60
27	MP6	X	14.02	60
28	MP6	Z	-8.09	60
29	MP5	X	84.7	72
30	MP5	Z	-48.9	72
31	MP5	X	84.7	0
32	MP5	Z	-48.9	0
33	MP5	X	46.17	48
34	MP5	Z	-26.66	48
35	MP4	X	96.57	72
36	MP4	Z	-55.76	72
37	MP4	X	96.57	0
38	MP4	Z	-55.76	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
39	MP4	X	40.58	60
40	MP4	Z	-23.43	60
41	MP9	X	72	72
42	MP9	Z	-41.57	72
43	MP9	X	72	17
44	MP9	Z	-41.57	17
45	MP9	X	28.86	60
46	MP9	Z	-16.66	60
47	MP9	X	28.86	60
48	MP9	Z	-16.66	60
49	MP8	X	102.78	72
50	MP8	Z	-59.34	72
51	MP8	X	102.78	0
52	MP8	Z	-59.34	0
53	MP8	X	51.76	48
54	MP8	Z	-29.88	48
55	MP7	X	166.12	72
56	MP7	Z	-95.91	72
57	MP7	X	166.12	0
58	MP7	Z	-95.91	0
59	MP7	X	51.76	60
60	MP7	Z	-29.88	60

Member Point Loads (BLC 13 : Wind Load AZI 330)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	36.7	72
2	MP3	Z	-63.57	72
3	MP3	X	36.7	17
4	MP3	Z	-63.57	17
5	MP3	X	13.81	60
6	MP3	Z	-23.91	60
7	MP3	X	13.81	60
8	MP3	Z	-23.91	60
9	MP2	X	55.86	72
10	MP2	Z	-96.76	72
11	MP2	X	55.86	0
12	MP2	Z	-96.76	0
13	MP2	X	28.81	48
14	MP2	Z	-49.9	48
15	MP1	X	82.52	72
16	MP1	Z	-142.94	72
17	MP1	X	82.52	0
18	MP1	Z	-142.94	0
19	MP1	X	27.73	60
20	MP1	Z	-48.03	60
21	MP6	X	22.1	72
22	MP6	Z	-38.27	72
23	MP6	X	22.1	17
24	MP6	Z	-38.27	17
25	MP6	X	5.24	60
26	MP6	Z	-9.07	60
27	MP6	X	5.24	60
28	MP6	Z	-9.07	60
29	MP5	X	45.42	72
30	MP5	Z	-78.67	72
31	MP5	X	45.42	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
32	MP5	Z	-78.67	0
33	MP5	X	25.58	48
34	MP5	Z	-44.31	48
35	MP4	X	42.37	72
36	MP4	Z	-73.39	72
37	MP4	X	42.37	0
38	MP4	Z	-73.39	0
39	MP4	X	21.28	60
40	MP4	Z	-36.86	60
41	MP9	X	36.7	72
42	MP9	Z	-63.57	72
43	MP9	X	36.7	17
44	MP9	Z	-63.57	17
45	MP9	X	13.81	60
46	MP9	Z	-23.91	60
47	MP9	X	13.81	60
48	MP9	Z	-23.91	60
49	MP8	X	55.86	72
50	MP8	Z	-96.76	72
51	MP8	X	55.86	0
52	MP8	Z	-96.76	0
53	MP8	X	28.81	48
54	MP8	Z	-49.9	48
55	MP7	X	82.52	72
56	MP7	Z	-142.94	72
57	MP7	X	82.52	0
58	MP7	Z	-142.94	0
59	MP7	X	27.73	60
60	MP7	Z	-48.03	60

Member Point Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	Y	-54.9	72
2	MP3	Y	-54.9	17
3	MP3	Y	-26.632	60
4	MP3	Y	-26.632	60
5	MP2	Y	-86.061	72
6	MP2	Y	-86.061	0
7	MP2	Y	-68.96	48
8	MP1	Y	-118.289	72
9	MP1	Y	-118.289	0
10	MP1	Y	-62.78	60
11	MP6	Y	-54.9	72
12	MP6	Y	-54.9	17
13	MP6	Y	-26.632	60
14	MP6	Y	-26.632	60
15	MP5	Y	-86.061	72
16	MP5	Y	-86.061	0
17	MP5	Y	-68.96	48
18	MP4	Y	-118.289	72
19	MP4	Y	-118.289	0
20	MP4	Y	-62.78	60
21	MP9	Y	-54.9	72
22	MP9	Y	-54.9	17
23	MP9	Y	-26.632	60
24	MP9	Y	-26.632	60

Member Point Loads (BLC 16 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
25	MP8	Y	-86.061	72
26	MP8	Y	-86.061	0
27	MP8	Y	-68.96	48
28	MP7	Y	-118.289	72
29	MP7	Y	-118.289	0
30	MP7	Y	-62.78	60

Member Point Loads (BLC 17 : Ice Wind Load AZI 0)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	0	72
2	MP3	Z	-6.9	72
3	MP3	X	0	17
4	MP3	Z	-6.9	17
5	MP3	X	0	60
6	MP3	Z	-3.64	60
7	MP3	X	0	60
8	MP3	Z	-3.64	60
9	MP2	X	0	72
10	MP2	Z	-9.35	72
11	MP2	X	0	0
12	MP2	Z	-9.35	0
13	MP2	X	0	48
14	MP2	Z	-5.08	48
15	MP1	X	0	72
16	MP1	Z	-11.43	72
17	MP1	X	0	0
18	MP1	Z	-11.43	0
19	MP1	X	0	60
20	MP1	Z	-5.08	60
21	MP6	X	0	72
22	MP6	Z	-5.25	72
23	MP6	X	0	17
24	MP6	Z	-5.25	17
25	MP6	X	0	60
26	MP6	Z	-2.21	60
27	MP6	X	0	60
28	MP6	Z	-2.21	60
29	MP5	X	0	72
30	MP5	Z	-8.65	72
31	MP5	X	0	0
32	MP5	Z	-8.65	0
33	MP5	X	0	48
34	MP5	Z	-4.85	48
35	MP4	X	0	72
36	MP4	Z	-8.85	72
37	MP4	X	0	0
38	MP4	Z	-8.85	0
39	MP4	X	0	60
40	MP4	Z	-4.59	60
41	MP9	X	0	72
42	MP9	Z	-5.25	72
43	MP9	X	0	17
44	MP9	Z	-5.25	17
45	MP9	X	0	60
46	MP9	Z	-2.21	60
47	MP9	X	0	60

Member Point Loads (BLC 17 : Ice Wind Load AZI 0) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
48	MP9	Z	-2.21	60
49	MP8	X	0	72
50	MP8	Z	-8.65	72
51	MP8	X	0	0
52	MP8	Z	-8.65	0
53	MP8	X	0	48
54	MP8	Z	-4.85	48
55	MP7	X	0	72
56	MP7	Z	-8.85	72
57	MP7	X	0	0
58	MP7	Z	-8.85	0
59	MP7	X	0	60
60	MP7	Z	-4.59	60

Member Point Loads (BLC 18 : Ice Wind Load AZI 30)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-3.18	72
2	MP3	Z	-5.5	72
3	MP3	X	-3.18	17
4	MP3	Z	-5.5	17
5	MP3	X	-1.58	60
6	MP3	Z	-2.74	60
7	MP3	X	-1.58	60
8	MP3	Z	-2.74	60
9	MP2	X	-4.56	72
10	MP2	Z	-7.9	72
11	MP2	X	-4.56	0
12	MP2	Z	-7.9	0
13	MP2	X	-2.5	48
14	MP2	Z	-4.33	48
15	MP1	X	-5.28	72
16	MP1	Z	-9.15	72
17	MP1	X	-5.28	0
18	MP1	Z	-9.15	0
19	MP1	X	-2.46	60
20	MP1	Z	-4.26	60
21	MP6	X	-3.18	72
22	MP6	Z	-5.5	72
23	MP6	X	-3.18	17
24	MP6	Z	-5.5	17
25	MP6	X	-1.58	60
26	MP6	Z	-2.74	60
27	MP6	X	-1.58	60
28	MP6	Z	-2.74	60
29	MP5	X	-4.56	72
30	MP5	Z	-7.9	72
31	MP5	X	-4.56	0
32	MP5	Z	-7.9	0
33	MP5	X	-2.5	48
34	MP5	Z	-4.33	48
35	MP4	X	-5.28	72
36	MP4	Z	-9.15	72
37	MP4	X	-5.28	0
38	MP4	Z	-9.15	0
39	MP4	X	-2.46	60
40	MP4	Z	-4.26	60

Member Point Loads (BLC 18 : Ice Wind Load AZI 30) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
41	MP9	X	-2.35	72
42	MP9	Z	-4.07	72
43	MP9	X	-2.35	17
44	MP9	Z	-4.07	17
45	MP9	X	-.87	60
46	MP9	Z	-1.51	60
47	MP9	X	-.87	60
48	MP9	Z	-1.51	60
49	MP8	X	-4.21	72
50	MP8	Z	-7.29	72
51	MP8	X	-4.21	0
52	MP8	Z	-7.29	0
53	MP8	X	-2.38	48
54	MP8	Z	-4.13	48
55	MP7	X	-4	72
56	MP7	Z	-6.92	72
57	MP7	X	-4	0
58	MP7	Z	-6.92	0
59	MP7	X	-2.21	60
60	MP7	Z	-3.83	60

Member Point Loads (BLC 19 : Ice Wind Load AZI 60)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-4.55	72
2	MP3	Z	-2.63	72
3	MP3	X	-4.55	17
4	MP3	Z	-2.63	17
5	MP3	X	-1.92	60
6	MP3	Z	-1.11	60
7	MP3	X	-1.92	60
8	MP3	Z	-1.11	60
9	MP2	X	-7.49	72
10	MP2	Z	-4.33	72
11	MP2	X	-7.49	0
12	MP2	Z	-4.33	0
13	MP2	X	-4.2	48
14	MP2	Z	-2.42	48
15	MP1	X	-7.67	72
16	MP1	Z	-4.43	72
17	MP1	X	-7.67	0
18	MP1	Z	-4.43	0
19	MP1	X	-3.98	60
20	MP1	Z	-2.3	60
21	MP6	X	-5.98	72
22	MP6	Z	-3.45	72
23	MP6	X	-5.98	17
24	MP6	Z	-3.45	17
25	MP6	X	-3.15	60
26	MP6	Z	-1.82	60
27	MP6	X	-3.15	60
28	MP6	Z	-1.82	60
29	MP5	X	-8.1	72
30	MP5	Z	-4.68	72
31	MP5	X	-8.1	0
32	MP5	Z	-4.68	0
33	MP5	X	-4.4	48

Member Point Loads (BLC 19 : Ice Wind Load AZI 60) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
34	MP5	Z	-2.54	48
35	MP4	X	-9.9	72
36	MP4	Z	-5.71	72
37	MP4	X	-9.9	0
38	MP4	Z	-5.71	0
39	MP4	X	-4.4	60
40	MP4	Z	-2.54	60
41	MP9	X	-4.55	72
42	MP9	Z	-2.63	72
43	MP9	X	-4.55	17
44	MP9	Z	-2.63	17
45	MP9	X	-1.92	60
46	MP9	Z	-1.11	60
47	MP9	X	-1.92	60
48	MP9	Z	-1.11	60
49	MP8	X	-7.49	72
50	MP8	Z	-4.33	72
51	MP8	X	-7.49	0
52	MP8	Z	-4.33	0
53	MP8	X	-4.2	48
54	MP8	Z	-2.42	48
55	MP7	X	-7.67	72
56	MP7	Z	-4.43	72
57	MP7	X	-7.67	0
58	MP7	Z	-4.43	0
59	MP7	X	-3.98	60
60	MP7	Z	-2.3	60

Member Point Loads (BLC 20 : Ice Wind Load AZI 90)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-4.71	72
2	MP3	Z	0	72
3	MP3	X	-4.71	17
4	MP3	Z	0	17
5	MP3	X	-1.74	60
6	MP3	Z	0	60
7	MP3	X	-1.74	60
8	MP3	Z	0	60
9	MP2	X	-8.42	72
10	MP2	Z	0	72
11	MP2	X	-8.42	0
12	MP2	Z	0	0
13	MP2	X	-4.77	48
14	MP2	Z	0	48
15	MP1	X	-8	72
16	MP1	Z	0	72
17	MP1	X	-8	0
18	MP1	Z	0	0
19	MP1	X	-4.43	60
20	MP1	Z	0	60
21	MP6	X	-6.35	72
22	MP6	Z	0	72
23	MP6	X	-6.35	17
24	MP6	Z	0	17
25	MP6	X	-3.16	60
26	MP6	Z	0	60

Member Point Loads (BLC 20 : Ice Wind Load AZI 90) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP6	X	-3.16	60
28	MP6	Z	0	60
29	MP5	X	-9.12	72
30	MP5	Z	0	72
31	MP5	X	-9.12	0
32	MP5	Z	0	0
33	MP5	X	-5	48
34	MP5	Z	0	48
35	MP4	X	-10.57	72
36	MP4	Z	0	72
37	MP4	X	-10.57	0
38	MP4	Z	0	0
39	MP4	X	-4.92	60
40	MP4	Z	0	60
41	MP9	X	-6.35	72
42	MP9	Z	0	72
43	MP9	X	-6.35	17
44	MP9	Z	0	17
45	MP9	X	-3.16	60
46	MP9	Z	0	60
47	MP9	X	-3.16	60
48	MP9	Z	0	60
49	MP8	X	-9.12	72
50	MP8	Z	0	72
51	MP8	X	-9.12	0
52	MP8	Z	0	0
53	MP8	X	-5	48
54	MP8	Z	0	48
55	MP7	X	-10.57	72
56	MP7	Z	0	72
57	MP7	X	-10.57	0
58	MP7	Z	0	0
59	MP7	X	-4.92	60
60	MP7	Z	0	60

Member Point Loads (BLC 21 : Ice Wind Load AZI 120)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-4.55	72
2	MP3	Z	2.63	72
3	MP3	X	-4.55	17
4	MP3	Z	2.63	17
5	MP3	X	-1.92	60
6	MP3	Z	1.11	60
7	MP3	X	-1.92	60
8	MP3	Z	1.11	60
9	MP2	X	-7.49	72
10	MP2	Z	4.33	72
11	MP2	X	-7.49	0
12	MP2	Z	4.33	0
13	MP2	X	-4.2	48
14	MP2	Z	2.42	48
15	MP1	X	-7.67	72
16	MP1	Z	4.43	72
17	MP1	X	-7.67	0
18	MP1	Z	4.43	0
19	MP1	X	-3.98	60

Member Point Loads (BLC 21 : Ice Wind Load AZI 120) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
20	MP1	Z	2.3	60
21	MP6	X	-4.55	72
22	MP6	Z	2.63	72
23	MP6	X	-4.55	17
24	MP6	Z	2.63	17
25	MP6	X	-1.92	60
26	MP6	Z	1.11	60
27	MP6	X	-1.92	60
28	MP6	Z	1.11	60
29	MP5	X	-7.49	72
30	MP5	Z	4.33	72
31	MP5	X	-7.49	0
32	MP5	Z	4.33	0
33	MP5	X	-4.2	48
34	MP5	Z	2.42	48
35	MP4	X	-7.67	72
36	MP4	Z	4.43	72
37	MP4	X	-7.67	0
38	MP4	Z	4.43	0
39	MP4	X	-3.98	60
40	MP4	Z	2.3	60
41	MP9	X	-5.98	72
42	MP9	Z	3.45	72
43	MP9	X	-5.98	17
44	MP9	Z	3.45	17
45	MP9	X	-3.15	60
46	MP9	Z	1.82	60
47	MP9	X	-3.15	60
48	MP9	Z	1.82	60
49	MP8	X	-8.1	72
50	MP8	Z	4.68	72
51	MP8	X	-8.1	0
52	MP8	Z	4.68	0
53	MP8	X	-4.4	48
54	MP8	Z	2.54	48
55	MP7	X	-9.9	72
56	MP7	Z	5.71	72
57	MP7	X	-9.9	0
58	MP7	Z	5.71	0
59	MP7	X	-4.4	60
60	MP7	Z	2.54	60

Member Point Loads (BLC 22 : Ice Wind Load AZI 150)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-3.18	72
2	MP3	Z	5.5	72
3	MP3	X	-3.18	17
4	MP3	Z	5.5	17
5	MP3	X	-1.58	60
6	MP3	Z	2.74	60
7	MP3	X	-1.58	60
8	MP3	Z	2.74	60
9	MP2	X	-4.56	72
10	MP2	Z	7.9	72
11	MP2	X	-4.56	0
12	MP2	Z	7.9	0

Member Point Loads (BLC 22 : Ice Wind Load AZI 150) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP2	X	-2.5	48
14	MP2	Z	4.33	48
15	MP1	X	-5.28	72
16	MP1	Z	9.15	72
17	MP1	X	-5.28	0
18	MP1	Z	9.15	0
19	MP1	X	-2.46	60
20	MP1	Z	4.26	60
21	MP6	X	-2.35	72
22	MP6	Z	4.07	72
23	MP6	X	-2.35	17
24	MP6	Z	4.07	17
25	MP6	X	-.87	60
26	MP6	Z	1.51	60
27	MP6	X	-.87	60
28	MP6	Z	1.51	60
29	MP5	X	-4.21	72
30	MP5	Z	7.29	72
31	MP5	X	-4.21	0
32	MP5	Z	7.29	0
33	MP5	X	-2.38	48
34	MP5	Z	4.13	48
35	MP4	X	-4	72
36	MP4	Z	6.92	72
37	MP4	X	-4	0
38	MP4	Z	6.92	0
39	MP4	X	-2.21	60
40	MP4	Z	3.83	60
41	MP9	X	-3.18	72
42	MP9	Z	5.5	72
43	MP9	X	-3.18	17
44	MP9	Z	5.5	17
45	MP9	X	-1.58	60
46	MP9	Z	2.74	60
47	MP9	X	-1.58	60
48	MP9	Z	2.74	60
49	MP8	X	-4.56	72
50	MP8	Z	7.9	72
51	MP8	X	-4.56	0
52	MP8	Z	7.9	0
53	MP8	X	-2.5	48
54	MP8	Z	4.33	48
55	MP7	X	-5.28	72
56	MP7	Z	9.15	72
57	MP7	X	-5.28	0
58	MP7	Z	9.15	0
59	MP7	X	-2.46	60
60	MP7	Z	4.26	60

Member Point Loads (BLC 23 : Ice Wind Load AZI 180)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	0	72
2	MP3	Z	6.9	72
3	MP3	X	0	17
4	MP3	Z	6.9	17
5	MP3	X	0	60

Member Point Loads (BLC 23 : Ice Wind Load AZI 180) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP3	Z	3.64	60
7	MP3	X	0	60
8	MP3	Z	3.64	60
9	MP2	X	0	72
10	MP2	Z	9.35	72
11	MP2	X	0	0
12	MP2	Z	9.35	0
13	MP2	X	0	48
14	MP2	Z	5.08	48
15	MP1	X	0	72
16	MP1	Z	11.43	72
17	MP1	X	0	0
18	MP1	Z	11.43	0
19	MP1	X	0	60
20	MP1	Z	5.08	60
21	MP6	X	0	72
22	MP6	Z	5.25	72
23	MP6	X	0	17
24	MP6	Z	5.25	17
25	MP6	X	0	60
26	MP6	Z	2.21	60
27	MP6	X	0	60
28	MP6	Z	2.21	60
29	MP5	X	0	72
30	MP5	Z	8.65	72
31	MP5	X	0	0
32	MP5	Z	8.65	0
33	MP5	X	0	48
34	MP5	Z	4.85	48
35	MP4	X	0	72
36	MP4	Z	8.85	72
37	MP4	X	0	0
38	MP4	Z	8.85	0
39	MP4	X	0	60
40	MP4	Z	4.59	60
41	MP9	X	0	72
42	MP9	Z	5.25	72
43	MP9	X	0	17
44	MP9	Z	5.25	17
45	MP9	X	0	60
46	MP9	Z	2.21	60
47	MP9	X	0	60
48	MP9	Z	2.21	60
49	MP8	X	0	72
50	MP8	Z	8.65	72
51	MP8	X	0	0
52	MP8	Z	8.65	0
53	MP8	X	0	48
54	MP8	Z	4.85	48
55	MP7	X	0	72
56	MP7	Z	8.85	72
57	MP7	X	0	0
58	MP7	Z	8.85	0
59	MP7	X	0	60
60	MP7	Z	4.59	60

Member Point Loads (BLC 24 : Ice Wind Load AZI 210)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	3.18	72
2	MP3	Z	5.5	72
3	MP3	X	3.18	17
4	MP3	Z	5.5	17
5	MP3	X	1.58	60
6	MP3	Z	2.74	60
7	MP3	X	1.58	60
8	MP3	Z	2.74	60
9	MP2	X	4.56	72
10	MP2	Z	7.9	72
11	MP2	X	4.56	0
12	MP2	Z	7.9	0
13	MP2	X	2.5	48
14	MP2	Z	4.33	48
15	MP1	X	5.28	72
16	MP1	Z	9.15	72
17	MP1	X	5.28	0
18	MP1	Z	9.15	0
19	MP1	X	2.46	60
20	MP1	Z	4.26	60
21	MP6	X	3.18	72
22	MP6	Z	5.5	72
23	MP6	X	3.18	17
24	MP6	Z	5.5	17
25	MP6	X	1.58	60
26	MP6	Z	2.74	60
27	MP6	X	1.58	60
28	MP6	Z	2.74	60
29	MP5	X	4.56	72
30	MP5	Z	7.9	72
31	MP5	X	4.56	0
32	MP5	Z	7.9	0
33	MP5	X	2.5	48
34	MP5	Z	4.33	48
35	MP4	X	5.28	72
36	MP4	Z	9.15	72
37	MP4	X	5.28	0
38	MP4	Z	9.15	0
39	MP4	X	2.46	60
40	MP4	Z	4.26	60
41	MP9	X	2.35	72
42	MP9	Z	4.07	72
43	MP9	X	2.35	17
44	MP9	Z	4.07	17
45	MP9	X	.87	60
46	MP9	Z	1.51	60
47	MP9	X	.87	60
48	MP9	Z	1.51	60
49	MP8	X	4.21	72
50	MP8	Z	7.29	72
51	MP8	X	4.21	0
52	MP8	Z	7.29	0
53	MP8	X	2.38	48
54	MP8	Z	4.13	48
55	MP7	X	4	72
56	MP7	Z	6.92	72
57	MP7	X	4	0

Member Point Loads (BLC 24 : Ice Wind Load AZI 210) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
58	MP7	Z	6.92	0
59	MP7	X	2.21	60
60	MP7	Z	3.83	60

Member Point Loads (BLC 25 : Ice Wind Load AZI 240)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	4.55	72
2	MP3	Z	2.63	72
3	MP3	X	4.55	17
4	MP3	Z	2.63	17
5	MP3	X	1.92	60
6	MP3	Z	1.11	60
7	MP3	X	1.92	60
8	MP3	Z	1.11	60
9	MP2	X	7.49	72
10	MP2	Z	4.33	72
11	MP2	X	7.49	0
12	MP2	Z	4.33	0
13	MP2	X	4.2	48
14	MP2	Z	2.42	48
15	MP1	X	7.67	72
16	MP1	Z	4.43	72
17	MP1	X	7.67	0
18	MP1	Z	4.43	0
19	MP1	X	3.98	60
20	MP1	Z	2.3	60
21	MP6	X	5.98	72
22	MP6	Z	3.45	72
23	MP6	X	5.98	17
24	MP6	Z	3.45	17
25	MP6	X	3.15	60
26	MP6	Z	1.82	60
27	MP6	X	3.15	60
28	MP6	Z	1.82	60
29	MP5	X	8.1	72
30	MP5	Z	4.68	72
31	MP5	X	8.1	0
32	MP5	Z	4.68	0
33	MP5	X	4.4	48
34	MP5	Z	2.54	48
35	MP4	X	9.9	72
36	MP4	Z	5.71	72
37	MP4	X	9.9	0
38	MP4	Z	5.71	0
39	MP4	X	4.4	60
40	MP4	Z	2.54	60
41	MP9	X	4.55	72
42	MP9	Z	2.63	72
43	MP9	X	4.55	17
44	MP9	Z	2.63	17
45	MP9	X	1.92	60
46	MP9	Z	1.11	60
47	MP9	X	1.92	60
48	MP9	Z	1.11	60
49	MP8	X	7.49	72
50	MP8	Z	4.33	72

Member Point Loads (BLC 25 : Ice Wind Load AZI 240) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
51	MP8	X	7.49	0
52	MP8	Z	4.33	0
53	MP8	X	4.2	48
54	MP8	Z	2.42	48
55	MP7	X	7.67	72
56	MP7	Z	4.43	72
57	MP7	X	7.67	0
58	MP7	Z	4.43	0
59	MP7	X	3.98	60
60	MP7	Z	2.3	60

Member Point Loads (BLC 26 : Ice Wind Load AZI 270)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	4.71	72
2	MP3	Z	0	72
3	MP3	X	4.71	17
4	MP3	Z	0	17
5	MP3	X	1.74	60
6	MP3	Z	0	60
7	MP3	X	1.74	60
8	MP3	Z	0	60
9	MP2	X	8.42	72
10	MP2	Z	0	72
11	MP2	X	8.42	0
12	MP2	Z	0	0
13	MP2	X	4.77	48
14	MP2	Z	0	48
15	MP1	X	8	72
16	MP1	Z	0	72
17	MP1	X	8	0
18	MP1	Z	0	0
19	MP1	X	4.43	60
20	MP1	Z	0	60
21	MP6	X	6.35	72
22	MP6	Z	0	72
23	MP6	X	6.35	17
24	MP6	Z	0	17
25	MP6	X	3.16	60
26	MP6	Z	0	60
27	MP6	X	3.16	60
28	MP6	Z	0	60
29	MP5	X	9.12	72
30	MP5	Z	0	72
31	MP5	X	9.12	0
32	MP5	Z	0	0
33	MP5	X	5	48
34	MP5	Z	0	48
35	MP4	X	10.57	72
36	MP4	Z	0	72
37	MP4	X	10.57	0
38	MP4	Z	0	0
39	MP4	X	4.92	60
40	MP4	Z	0	60
41	MP9	X	6.35	72
42	MP9	Z	0	72
43	MP9	X	6.35	17

Member Point Loads (BLC 26 : Ice Wind Load AZI 270) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
44	MP9	Z	0	17
45	MP9	X	3.16	60
46	MP9	Z	0	60
47	MP9	X	3.16	60
48	MP9	Z	0	60
49	MP8	X	9.12	72
50	MP8	Z	0	72
51	MP8	X	9.12	0
52	MP8	Z	0	0
53	MP8	X	5	48
54	MP8	Z	0	48
55	MP7	X	10.57	72
56	MP7	Z	0	72
57	MP7	X	10.57	0
58	MP7	Z	0	0
59	MP7	X	4.92	60
60	MP7	Z	0	60

Member Point Loads (BLC 27 : Ice Wind Load AZI 300)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	4.55	72
2	MP3	Z	-2.63	72
3	MP3	X	4.55	17
4	MP3	Z	-2.63	17
5	MP3	X	1.92	60
6	MP3	Z	-1.11	60
7	MP3	X	1.92	60
8	MP3	Z	-1.11	60
9	MP2	X	7.49	72
10	MP2	Z	-4.33	72
11	MP2	X	7.49	0
12	MP2	Z	-4.33	0
13	MP2	X	4.2	48
14	MP2	Z	-2.42	48
15	MP1	X	7.67	72
16	MP1	Z	-4.43	72
17	MP1	X	7.67	0
18	MP1	Z	-4.43	0
19	MP1	X	3.98	60
20	MP1	Z	-2.3	60
21	MP6	X	4.55	72
22	MP6	Z	-2.63	72
23	MP6	X	4.55	17
24	MP6	Z	-2.63	17
25	MP6	X	1.92	60
26	MP6	Z	-1.11	60
27	MP6	X	1.92	60
28	MP6	Z	-1.11	60
29	MP5	X	7.49	72
30	MP5	Z	-4.33	72
31	MP5	X	7.49	0
32	MP5	Z	-4.33	0
33	MP5	X	4.2	48
34	MP5	Z	-2.42	48
35	MP4	X	7.67	72
36	MP4	Z	-4.43	72

Member Point Loads (BLC 27 : Ice Wind Load AZI 300) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
37	MP4	X	7.67	0
38	MP4	Z	-4.43	0
39	MP4	X	3.98	60
40	MP4	Z	-2.3	60
41	MP9	X	5.98	72
42	MP9	Z	-3.45	72
43	MP9	X	5.98	17
44	MP9	Z	-3.45	17
45	MP9	X	3.15	60
46	MP9	Z	-1.82	60
47	MP9	X	3.15	60
48	MP9	Z	-1.82	60
49	MP8	X	8.1	72
50	MP8	Z	-4.68	72
51	MP8	X	8.1	0
52	MP8	Z	-4.68	0
53	MP8	X	4.4	48
54	MP8	Z	-2.54	48
55	MP7	X	9.9	72
56	MP7	Z	-5.71	72
57	MP7	X	9.9	0
58	MP7	Z	-5.71	0
59	MP7	X	4.4	60
60	MP7	Z	-2.54	60

Member Point Loads (BLC 28 : Ice Wind Load AZI 330)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	3.18	72
2	MP3	Z	-5.5	72
3	MP3	X	3.18	17
4	MP3	Z	-5.5	17
5	MP3	X	1.58	60
6	MP3	Z	-2.74	60
7	MP3	X	1.58	60
8	MP3	Z	-2.74	60
9	MP2	X	4.56	72
10	MP2	Z	-7.9	72
11	MP2	X	4.56	0
12	MP2	Z	-7.9	0
13	MP2	X	2.5	48
14	MP2	Z	-4.33	48
15	MP1	X	5.28	72
16	MP1	Z	-9.15	72
17	MP1	X	5.28	0
18	MP1	Z	-9.15	0
19	MP1	X	2.46	60
20	MP1	Z	-4.26	60
21	MP6	X	2.35	72
22	MP6	Z	-4.07	72
23	MP6	X	2.35	17
24	MP6	Z	-4.07	17
25	MP6	X	.87	60
26	MP6	Z	-1.51	60
27	MP6	X	.87	60
28	MP6	Z	-1.51	60
29	MP5	X	4.21	72

Member Point Loads (BLC 28 : Ice Wind Load AZI 330) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
30	MP5	Z	-7.29	72
31	MP5	X	4.21	0
32	MP5	Z	-7.29	0
33	MP5	X	2.38	48
34	MP5	Z	-4.13	48
35	MP4	X	4	72
36	MP4	Z	-6.92	72
37	MP4	X	4	0
38	MP4	Z	-6.92	0
39	MP4	X	2.21	60
40	MP4	Z	-3.83	60
41	MP9	X	3.18	72
42	MP9	Z	-5.5	72
43	MP9	X	3.18	17
44	MP9	Z	-5.5	17
45	MP9	X	1.58	60
46	MP9	Z	-2.74	60
47	MP9	X	1.58	60
48	MP9	Z	-2.74	60
49	MP8	X	4.56	72
50	MP8	Z	-7.9	72
51	MP8	X	4.56	0
52	MP8	Z	-7.9	0
53	MP8	X	2.5	48
54	MP8	Z	-4.33	48
55	MP7	X	5.28	72
56	MP7	Z	-9.15	72
57	MP7	X	5.28	0
58	MP7	Z	-9.15	0
59	MP7	X	2.46	60
60	MP7	Z	-4.26	60

Member Point Loads (BLC 31 : Seismic Load Z)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	Z	-1.624	72
2	MP3	Z	-1.624	17
3	MP3	Z	-1.308	60
4	MP3	Z	-1.308	60
5	MP2	Z	-1.995	72
6	MP2	Z	-1.995	0
7	MP2	Z	-6.96	48
8	MP1	Z	-3.684	72
9	MP1	Z	-3.684	0
10	MP1	Z	-6.496	60
11	MP6	Z	-1.624	72
12	MP6	Z	-1.624	17
13	MP6	Z	-1.308	60
14	MP6	Z	-1.308	60
15	MP5	Z	-1.995	72
16	MP5	Z	-1.995	0
17	MP5	Z	-6.96	48
18	MP4	Z	-3.684	72
19	MP4	Z	-3.684	0
20	MP4	Z	-6.496	60
21	MP9	Z	-1.624	72
22	MP9	Z	-1.624	17

Member Point Loads (BLC 31 : Seismic Load Z) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
23	MP9	Z	-1.308	60
24	MP9	Z	-1.308	60
25	MP8	Z	-1.995	72
26	MP8	Z	-1.995	0
27	MP8	Z	-6.96	48
28	MP7	Z	-3.684	72
29	MP7	Z	-3.684	0
30	MP7	Z	-6.496	60

Member Point Loads (BLC 32 : Seismic Load X)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	X	-1.624	72
2	MP3	X	-1.624	17
3	MP3	X	-1.308	60
4	MP3	X	-1.308	60
5	MP2	X	-1.995	72
6	MP2	X	-1.995	0
7	MP2	X	-6.96	48
8	MP1	X	-3.684	72
9	MP1	X	-3.684	0
10	MP1	X	-6.496	60
11	MP6	X	-1.624	72
12	MP6	X	-1.624	17
13	MP6	X	-1.308	60
14	MP6	X	-1.308	60
15	MP5	X	-1.995	72
16	MP5	X	-1.995	0
17	MP5	X	-6.96	48
18	MP4	X	-3.684	72
19	MP4	X	-3.684	0
20	MP4	X	-6.496	60
21	MP9	X	-1.624	72
22	MP9	X	-1.624	17
23	MP9	X	-1.308	60
24	MP9	X	-1.308	60
25	MP8	X	-1.995	72
26	MP8	X	-1.995	0
27	MP8	X	-6.96	48
28	MP7	X	-3.684	72
29	MP7	X	-3.684	0
30	MP7	X	-6.496	60

Joint Loads and Enforced Displacements (BLC 33 : Service Live Loads)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N1	L	Y	-250
2	N2	L	Y	-250
3	N13	L	Y	-250
4	N14	L	Y	-250
5	N25	L	Y	-250
6	N26	L	Y	-250

Joint Loads and Enforced Displacements (BLC 34 : Maintenance Load 1)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N9	L	Y	-500

Joint Loads and Enforced Displacements (BLC 35 : Maintenance Load 2)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N10	L	Y	-500

Joint Loads and Enforced Displacements (BLC 36 : Maintenance Load 3)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N11	L	Y	-500

Joint Loads and Enforced Displacements (BLC 37 : Maintenance Load 4)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N21	L	Y	-500

Joint Loads and Enforced Displacements (BLC 38 : Maintenance Load 5)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N23	L	Y	-500

Joint Loads and Enforced Displacements (BLC 39 : Maintenance Load 6)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N33	L	Y	-500

Joint Loads and Enforced Displacements (BLC 40 : Maintenance Load 7)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N35	L	Y	-500

Joint Loads and Enforced Displacements (BLC 41 : Maintenance Load 8)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N70	L	Y	-500

Joint Loads and Enforced Displacements (BLC 42 : Maintenance Load 9)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^2...
1	N74B	L	Y	-500

Member Distributed Loads (BLC 14 : Distr. Wind Load Z)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	SZ	-40.246	-40.246	0	%100
2	MP3	SZ	-40.246	-40.246	0	%100
3	MP2	SZ	-40.246	-40.246	0	%100
4	MP1	SZ	-40.246	-40.246	0	%100
5	M5	SZ	-40.246	-40.246	0	%100
6	MP9	SZ	-40.246	-40.246	0	%100
7	MP7	SZ	-40.246	-40.246	0	%100
8	M9	SZ	-40.246	-40.246	0	%100
9	MP6	SZ	-40.246	-40.246	0	%100
10	MP4	SZ	-40.246	-40.246	0	%100
11	M20	SZ	-67.077	-67.077	0	%100
12	M21	SZ	-67.077	-67.077	0	%100
13	M20A	SZ	-67.077	-67.077	0	%100
14	M24	SZ	-67.077	-67.077	0	%100
15	M25	SZ	-67.077	-67.077	0	%100
16	M26B	SZ	-67.077	-67.077	0	%100
17	M30	SZ	-67.077	-67.077	0	%100
18	M31	SZ	-67.077	-67.077	0	%100
19	M32	SZ	-67.077	-67.077	0	%100
20	M33	SZ	-67.077	-67.077	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M34	SZ	-67.077	-67.077	0	%100
22	M40	SZ	-40.246	-40.246	0	%100
23	M44	SZ	-40.246	-40.246	0	%100
24	M42A	SZ	-67.077	-67.077	0	%100
25	M43A	SZ	-67.077	-67.077	0	%100
26	M44A	SZ	-67.077	-67.077	0	%100
27	MP8	SZ	-40.246	-40.246	0	%100
28	MP5	SZ	-40.246	-40.246	0	%100
29	M29	SZ	-67.077	-67.077	0	%100
30	M30A	SZ	-67.077	-67.077	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	SX	-40.246	-40.246	0	%100
2	MP3	SX	-40.246	-40.246	0	%100
3	MP2	SX	-40.246	-40.246	0	%100
4	MP1	SX	-40.246	-40.246	0	%100
5	M5	SX	-40.246	-40.246	0	%100
6	MP9	SX	-40.246	-40.246	0	%100
7	MP7	SX	-40.246	-40.246	0	%100
8	M9	SX	-40.246	-40.246	0	%100
9	MP6	SX	-40.246	-40.246	0	%100
10	MP4	SX	-40.246	-40.246	0	%100
11	M20	SX	-67.077	-67.077	0	%100
12	M21	SX	-67.077	-67.077	0	%100
13	M20A	SX	-67.077	-67.077	0	%100
14	M24	SX	-67.077	-67.077	0	%100
15	M25	SX	-67.077	-67.077	0	%100
16	M26B	SX	-67.077	-67.077	0	%100
17	M30	SX	-67.077	-67.077	0	%100
18	M31	SX	-67.077	-67.077	0	%100
19	M32	SX	-67.077	-67.077	0	%100
20	M33	SX	-67.077	-67.077	0	%100
21	M34	SX	-67.077	-67.077	0	%100
22	M40	SX	-40.246	-40.246	0	%100
23	M44	SX	-40.246	-40.246	0	%100
24	M42A	SX	-67.077	-67.077	0	%100
25	M43A	SX	-67.077	-67.077	0	%100
26	M44A	SX	-67.077	-67.077	0	%100
27	MP8	SX	-40.246	-40.246	0	%100
28	MP5	SX	-40.246	-40.246	0	%100
29	M29	SX	-67.077	-67.077	0	%100
30	M30A	SX	-67.077	-67.077	0	%100

Member Distributed Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-8.926	-8.926	0	%100
2	MP3	Y	-6.906	-6.906	0	%100
3	MP2	Y	-6.906	-6.906	0	%100
4	MP1	Y	-6.906	-6.906	0	%100
5	M5	Y	-8.926	-8.926	0	%100
6	MP9	Y	-6.906	-6.906	0	%100
7	MP7	Y	-6.906	-6.906	0	%100
8	M9	Y	-8.926	-8.926	0	%100
9	MP6	Y	-6.906	-6.906	0	%100
10	MP4	Y	-6.906	-6.906	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M20	Y	-7.72	-7.72	0	%100
12	M21	Y	-7.72	-7.72	0	%100
13	M20A	Y	-13.454	-13.454	0	%100
14	M24	Y	-7.72	-7.72	0	%100
15	M25	Y	-7.72	-7.72	0	%100
16	M26B	Y	-13.454	-13.454	0	%100
17	M30	Y	-12.8	-12.8	0	%100
18	M31	Y	-7.72	-7.72	0	%100
19	M32	Y	-7.72	-7.72	0	%100
20	M33	Y	-13.454	-13.454	0	%100
21	M34	Y	-12.8	-12.8	0	%100
22	M40	Y	-6.906	-6.906	0	%100
23	M44	Y	-6.906	-6.906	0	%100
24	M42A	Y	-12.8	-12.8	0	%100
25	M43A	Y	-12.8	-12.8	0	%100
26	M44A	Y	-12.8	-12.8	0	%100
27	MP8	Y	-6.906	-6.906	0	%100
28	MP5	Y	-6.906	-6.906	0	%100
29	M29	Y	-12.8	-12.8	0	%100
30	M30A	Y	-12.8	-12.8	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	SZ	-8.959	-8.959	0	%100
2	MP3	SZ	-10.897	-10.897	0	%100
3	MP2	SZ	-10.897	-10.897	0	%100
4	MP1	SZ	-10.897	-10.897	0	%100
5	M5	SZ	-8.959	-8.959	0	%100
6	MP9	SZ	-10.897	-10.897	0	%100
7	MP7	SZ	-10.897	-10.897	0	%100
8	M9	SZ	-8.959	-8.959	0	%100
9	MP6	SZ	-10.897	-10.897	0	%100
10	MP4	SZ	-10.897	-10.897	0	%100
11	M20	SZ	-9.93	-9.93	0	%100
12	M21	SZ	-9.93	-9.93	0	%100
13	M20A	SZ	-7.247	-7.247	0	%100
14	M24	SZ	-9.93	-9.93	0	%100
15	M25	SZ	-9.93	-9.93	0	%100
16	M26B	SZ	-7.247	-7.247	0	%100
17	M30	SZ	-7.4	-7.4	0	%100
18	M31	SZ	-9.93	-9.93	0	%100
19	M32	SZ	-9.93	-9.93	0	%100
20	M33	SZ	-7.247	-7.247	0	%100
21	M34	SZ	-7.4	-7.4	0	%100
22	M40	SZ	-10.897	-10.897	0	%100
23	M44	SZ	-10.897	-10.897	0	%100
24	M42A	SZ	-7.4	-7.4	0	%100
25	M43A	SZ	-7.4	-7.4	0	%100
26	M44A	SZ	-7.4	-7.4	0	%100
27	MP8	SZ	-10.897	-10.897	0	%100
28	MP5	SZ	-10.897	-10.897	0	%100
29	M29	SZ	-7.4	-7.4	0	%100
30	M30A	SZ	-7.4	-7.4	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X)

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	SX	-8.959	-8.959	0	%100
2	MP3	SX	-10.897	-10.897	0	%100
3	MP2	SX	-10.897	-10.897	0	%100
4	MP1	SX	-10.897	-10.897	0	%100
5	M5	SX	-8.959	-8.959	0	%100
6	MP9	SX	-10.897	-10.897	0	%100
7	MP7	SX	-10.897	-10.897	0	%100
8	M9	SX	-8.959	-8.959	0	%100
9	MP6	SX	-10.897	-10.897	0	%100
10	MP4	SX	-10.897	-10.897	0	%100
11	M20	SX	-9.93	-9.93	0	%100
12	M21	SX	-9.93	-9.93	0	%100
13	M20A	SX	-7.247	-7.247	0	%100
14	M24	SX	-9.93	-9.93	0	%100
15	M25	SX	-9.93	-9.93	0	%100
16	M26B	SX	-7.247	-7.247	0	%100
17	M30	SX	-7.4	-7.4	0	%100
18	M31	SX	-9.93	-9.93	0	%100
19	M32	SX	-9.93	-9.93	0	%100
20	M33	SX	-7.247	-7.247	0	%100
21	M34	SX	-7.4	-7.4	0	%100
22	M40	SX	-10.897	-10.897	0	%100
23	M44	SX	-10.897	-10.897	0	%100
24	M42A	SX	-7.4	-7.4	0	%100
25	M43A	SX	-7.4	-7.4	0	%100
26	M44A	SX	-7.4	-7.4	0	%100
27	MP8	SX	-10.897	-10.897	0	%100
28	MP5	SX	-10.897	-10.897	0	%100
29	M29	SX	-7.4	-7.4	0	%100
30	M30A	SX	-7.4	-7.4	0	%100

Member Distributed Loads (BLC 43 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M20	Y	-.098	-5.577	5.27	14.757
2	M20	Y	-5.577	-8.336	14.757	24.243
3	M20	Y	-8.336	-4.629	24.243	33.73
4	M20	Y	-4.629	-2.663	33.73	43.216
5	M20	Y	-2.663	-.705	43.216	52.703
6	M21	Y	-.098	-5.577	5.27	14.757
7	M21	Y	-5.577	-8.336	14.757	24.243
8	M21	Y	-8.336	-4.629	24.243	33.73
9	M21	Y	-4.629	-2.663	33.73	43.216
10	M21	Y	-2.663	-.705	43.216	52.703
11	M20A	Y	-.789	-.789	4.047	6.088
12	M42A	Y	-1.3	-5.547	0	8.939
13	M42A	Y	-5.547	-9.713	8.939	17.878
14	M42A	Y	-9.713	-17.339	17.878	26.818
15	M42A	Y	-17.339	-11.568	26.818	35.757
16	M42A	Y	-11.568	-.212	35.757	44.696
17	M29	Y	-6.357	-6.357	5.931	56.907
18	M24	Y	-.617	-5.457	0	10.541
19	M24	Y	-5.457	-7.501	10.541	21.081
20	M24	Y	-7.501	-6.151	21.081	31.622
21	M24	Y	-6.151	-4.016	31.622	42.162
22	M24	Y	-4.016	-1.693	42.162	52.703
23	M25	Y	-.817	-6.253	5.27	14.757

Member Distributed Loads (BLC 43 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
24	M25	Y	-6.253	-7.669	14.757	24.243
25	M25	Y	-7.669	-5.423	24.243	33.73
26	M25	Y	-5.423	-3.57	33.73	43.216
27	M25	Y	-3.57	-1.751	43.216	52.703
28	M26B	Y	-.014	-.203	0	3.378
29	M26B	Y	-.203	-.244	3.378	6.757
30	M26B	Y	-.244	-.014	6.757	10.135
31	M43A	Y	-1.505	-5.748	0	10.216
32	M43A	Y	-5.748	-10.317	10.216	20.432
33	M43A	Y	-10.317	-13.137	20.432	30.649
34	M43A	Y	-13.137	-7.259	30.649	40.865
35	M43A	Y	-7.259	-.284	40.865	51.081
36	M30A	Y	-.393	-4.279	0	12.568
37	M30A	Y	-4.279	-5.344	12.568	25.135
38	M30A	Y	-5.344	-6.204	25.135	37.703
39	M30A	Y	-6.204	-5.951	37.703	50.27
40	M30A	Y	-5.951	-1.08	50.27	62.838
41	M30	Y	-6.357	-6.357	5.931	56.907
42	M31	Y	-.098	-5.577	5.27	14.757
43	M31	Y	-5.577	-8.336	14.757	24.243
44	M31	Y	-8.336	-4.629	24.243	33.73
45	M31	Y	-4.629	-2.663	33.73	43.216
46	M31	Y	-2.663	-.705	43.216	52.703
47	M32	Y	-.098	-5.577	5.27	14.757
48	M32	Y	-5.577	-8.336	14.757	24.243
49	M32	Y	-8.336	-4.629	24.243	33.73
50	M32	Y	-4.629	-2.663	33.73	43.216
51	M32	Y	-2.663	-.705	43.216	52.703
52	M33	Y	-.789	-.789	4.047	6.088
53	M44A	Y	-1.3	-5.547	0	8.939
54	M44A	Y	-5.547	-9.713	8.939	17.878
55	M44A	Y	-9.713	-17.339	17.878	26.818
56	M44A	Y	-17.339	-11.568	26.818	35.757
57	M44A	Y	-11.568	-.212	35.757	44.696

Member Distributed Loads (BLC 44 : BLC 16 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M20	Y	-.096	-5.493	5.27	14.757
2	M20	Y	-5.493	-8.211	14.757	24.243
3	M20	Y	-8.211	-4.56	24.243	33.73
4	M20	Y	-4.56	-2.623	33.73	43.216
5	M20	Y	-2.623	-.694	43.216	52.703
6	M21	Y	-.096	-5.493	5.27	14.757
7	M21	Y	-5.493	-8.211	14.757	24.243
8	M21	Y	-8.211	-4.56	24.243	33.73
9	M21	Y	-4.56	-2.623	33.73	43.216
10	M21	Y	-2.623	-.694	43.216	52.703
11	M20A	Y	-.777	-.777	4.047	6.088
12	M42A	Y	-1.28	-5.464	0	8.939
13	M42A	Y	-5.464	-9.567	8.939	17.878
14	M42A	Y	-9.567	-17.079	17.878	26.818
15	M42A	Y	-17.079	-11.394	26.818	35.757
16	M42A	Y	-11.394	-.209	35.757	44.696
17	M29	Y	-6.262	-6.262	5.931	56.907
18	M30	Y	-6.262	-6.262	5.931	56.907
19	M31	Y	-.096	-5.493	5.27	14.757

Member Distributed Loads (BLC 44 : BLC 16 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft ...	End Magnitude[lb/ft F...	Start Location[in,%]	End Location[in,%]
20	M31	Y	-5.493	-8.211	14.757	24.243
21	M31	Y	-8.211	-4.56	24.243	33.73
22	M31	Y	-4.56	-2.623	33.73	43.216
23	M31	Y	-2.623	-.694	43.216	52.703
24	M32	Y	-.096	-5.493	5.27	14.757
25	M32	Y	-5.493	-8.211	14.757	24.243
26	M32	Y	-8.211	-4.56	24.243	33.73
27	M32	Y	-4.56	-2.623	33.73	43.216
28	M32	Y	-2.623	-.694	43.216	52.703
29	M33	Y	-.777	-.777	4.047	6.088
30	M44A	Y	-1.28	-5.464	0	8.939
31	M44A	Y	-5.464	-9.567	8.939	17.878
32	M44A	Y	-9.567	-17.079	17.878	26.818
33	M44A	Y	-17.079	-11.394	26.818	35.757
34	M44A	Y	-11.394	-.209	35.757	44.696
35	M5	Y	0	-.451	0	6
36	M5	Y	-.451	-.874	6	12
37	M5	Y	-.874	-.846	12	18
38	M5	Y	-.846	-.423	18	24
39	M5	Y	-.423	0	24	30
40	M24	Y	-.55	-5.407	0	10.541
41	M24	Y	-5.407	-7.851	10.541	21.081
42	M24	Y	-7.851	-6.389	21.081	31.622
43	M24	Y	-6.389	-4.059	31.622	42.162
44	M24	Y	-4.059	-2.355	42.162	52.703
45	M25	Y	-1.801	-7.628	0	10.541
46	M25	Y	-7.628	-8.313	10.541	21.081
47	M25	Y	-8.313	-5.35	21.081	31.622
48	M25	Y	-5.35	-3.538	31.622	42.162
49	M25	Y	-3.538	-1.383	42.162	52.703
50	M26B	Y	.032	-.402	0	5.068
51	M26B	Y	-.402	-.962	5.068	10.135
52	M43A	Y	-2.937	-5.999	0	10.216
53	M43A	Y	-5.999	-10.115	10.216	20.432
54	M43A	Y	-10.115	-14.324	20.432	30.649
55	M43A	Y	-14.324	-9.042	30.649	40.865
56	M43A	Y	-9.042	-.333	40.865	51.081
57	M30A	Y	-.234	-4.45	0	11.311
58	M30A	Y	-4.45	-4.415	11.311	22.622
59	M30A	Y	-4.415	-3.253	22.622	33.932
60	M30A	Y	-3.253	-4.004	33.932	45.243
61	M30A	Y	-4.004	-2.563	45.243	56.554

Member Area Loads (BLC 1 : Self Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N48	N41	N42	N50	Y	Two Way	-10
2	N55A	N80A	N52	N53	Y	Two Way	-10
3	N63	N65	N66	N64	Y	Two Way	-10

Member Area Loads (BLC 16 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N50	N42	N41	N48	Y	Two Way	-9.85
2	N63	N65	N66	N64	Y	Two Way	-9.85
3	N55A	N53	N52	N46A	Y	Two Way	-9.85

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

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	MP4	PIPE_2.0	.472	30	4	.029	30		4	20866.7...	32130	1871.625	1871.625	1....	H1-1b
2	MP1	PIPE_2.0	.472	30	8	.029	30		8	20866.7...	32130	1871.625	1871.625	1....	H1-1b
3	MP7	PIPE_2.0	.471	30	12	.029	30		12	20866.7...	32130	1871.625	1871.625	1....	H1-1b
4	M44A	HSS4X4X4	.460	63.851	29	.117	63.851	y	1...	97003.2...	106155	12311.25	12311.25	2....	H1-1b
5	M43A	HSS4X4X4	.453	63.851	34	.115	63.851	y	1...	97003.2...	106155	12311.25	12311.25	2.4	H1-1b
6	M42A	HSS4X4X4	.429	63.851	32	.122	63.851	y	95	97003.2...	106155	12311.25	12311.25	2....	H1-1b
7	MP5	PIPE_2.0	.301	30	4	.022	30		4	20866.7...	32130	1871.625	1871.625	1....	H1-1b
8	MP2	PIPE_2.0	.301	30	8	.022	30		8	20866.7...	32130	1871.625	1871.625	1....	H1-1b
9	MP8	PIPE_2.0	.301	30	12	.022	30		12	20866.7...	32130	1871.625	1871.625	1....	H1-1b
10	MP3	PIPE_2.0	.274	30	8	.019	30		8	20866.7...	32130	1871.625	1871.625	1....	H1-1b
11	M31	L2x2x3	.249	52.703	4	.010	0	z	4	8886.085	23392.8	557.717	1205.388	2....	H2-1
12	M20	L2x2x3	.247	52.703	8	.011	0	z	8	8886.085	23392.8	557.717	1199.355	2....	H2-1
13	M25	L2x2x3	.244	52.703	8	.011	0	y	2	8886.085	23392.8	557.717	1199.083	2.1	H2-1
14	M24	L2x2x3	.243	52.703	12	.009	0	z	12	8886.085	23392.8	557.717	1205.759	2....	H2-1
15	M21	L2x2x3	.237	52.703	4	.010	0	y	10	8886.085	23392.8	557.717	1205.083	2....	H2-1
16	M32	L2x2x3	.214	52.703	12	.009	0	y	6	8886.085	23392.8	557.717	1201.535	2....	H2-1
17	M5	PIPE_3.0	.203	90.625	30	.077	57.812		12	28250.5...	65205	5748.75	5748.75	1....	H1-1b
18	M1	PIPE_3.0	.186	90.625	75	.072	92.187		8	28250.5...	65205	5748.75	5748.75	1....	H1-1b
19	M9	PIPE_3.0	.185	90.625	75	.076	57.812		4	28250.5...	65205	5748.75	5748.75	1....	H1-1b
20	M30	HSS4X4X4	.161	31.419	28	.113	59.565	z	6	97279.0...	106155	12311.25	12311.25	1....	H1-1b
21	MP6	PIPE_2.0	.152	30	4	.011	30		4	20866.7...	32130	1871.625	1871.625	1....	H1-1b
22	MP9	PIPE_2.0	.152	30	12	.011	30		12	20866.7...	32130	1871.625	1871.625	1....	H1-1b
23	M29	HSS4X4X4	.152	31.419	93	.103	3.273	z	2	97279.0...	106155	12311.25	12311.25	1....	H1-1b
24	M30A	HSS4X4X4	.148	31.419	36	.099	59.565	z	2	97279.0...	106155	12311.25	12311.25	1....	H1-1b
25	M44	PIPE_2.0	.148	30	4	.010	30		4	20866.7...	32130	1871.625	1871.625	1....	H1-1b
26	M40	PIPE_2.0	.148	30	12	.010	30		12	20866.7...	32130	1871.625	1871.625	1....	H1-1b
27	M20A	6X1/2	.135	5.068	5	.272	10.135	y	8	74978.5...	97200	1012.5	12150	1....	H1-1b
28	M26B	6X1/2	.134	5.068	9	.256	10.135	y	12	74978.5...	97200	1012.5	12150	1....	H1-1b
29	M33	6X1/2	.133	5.068	13	.278	10.135	y	4	74978.5...	97200	1012.5	12150	1....	H1-1b
30	M34	HSS4X4X4	.083	0	38	.049	0	y	12	104314....	106155	12311.25	12311.25	1....	H1-1b

Date:	8/29/2019
Client	Smartlink
Carrier	AT&T Mobility
Engineer:	BD
Site:	CTL01181
Job #:	1106-A0001-B

Code:	LRFD
Bolt Diameter	0.625
Bolt Grade:	A325
Threads Excluded?:	N
Axial (lbs):	8250.42
Shear (lbs):	2982.50

Bolt Info:

Yield Strength (F_{yb})	92.0 kips
Ultimate Strength (F_{ub})	120.0 kips
Threads/in (n)	11
Gross Area (A_{gb})	0.307 in²
Net Area (A_{nb})	0.226 in²

Bolt Capacity (5/8" A325 Through Bolt), Total of (4) per Connection				
	Ult Load / Bolt	Factored Load (ϕ=0.75)	# of Bolts	Factor Joint Capacity
Axial (lb)	27120.2	20340.1	1	20340
Shear(lb)	16567.0	12425.2	1	12425

*Assumed (4) A325 bolt per connection. Contractor to field verify diameters before proposed installation.

Interaction Check	
$T/\phi T_n$	40.6%
$V/\phi Vn$	24.0%
≤1.0	22.2%
	OK