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1033 WATERVLIET SHAKER RD, ALBANY, NY 12205

Mount Analysis Report

December 9, 2019

Site Name	Chaplin Palmer Road
Site Number	CTL01153
FA Number	10042312
PACE Number	MRCTB041443 / MRCTB041354 / MRCTB041568 MRCTB041496 / MRCTB041743
PTN Number	2051A0Q91Z / 2051A0QAGA / 2051A0Q7KC 2051A0Q7YB / 2051A0Q90E
Infinigy Job Number	1106-A0001-B
Client	Smartlink
Carrier	AT&T Mobility
Site Location	Palmer Road Chaplin, CT 06235 Windham County 41.7845169 N NAD83 72.1357239 W NAD83
Mount Centerline EL.	128.0 ft
Mount Type	Platform
Structural Usage Ratio	**64.6%**
Overall Result	**Pass**
Note	**SitePro1 RMQP-496-HK to be installed prior to installation of proposed appurtenances.**

Upon reviewing the results of this analysis, it is our opinion that the proposed mount 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.

STATE OF CONNECTICUT
JOHN S. STEVENS
24705
LICENSED
PROFESSIONAL ENGINEER
12-09-19

Thomas Marr
Project Engineer I

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Introduction

Infinigy Engineering has been requested to perform a mount analysis on the proposed AT&T Mobility mounts. All referenced 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 #3167714, dated August 21, 2019
Construction Drawings	Infinigy Engineering, PLLC. Job #499-006, dated October 28, 2019
Site Photos	Smartlink Provided, dated June 26, 2019
Mount Specifications	SitePro1 P/N: RMQP-496-HK, dated July 14, 2014

Analysis Code Requirements

Wind Speed	130 mph (3-Second Gust)
Wind Speed w/ Ice	50 mph (3 Second Gust) w/ 1" Ice
TIA Revision	ANSI/TIA-222-H
Adopted IBC	2018 IBC / 2018 Connecticut State Building Code
Structure Class	II
Exposure Category	B
Topographic Category	1
Spectral Response	S_s = 0.185 g, S_1 = 0.055 g
Site Class	D - Stiff Soil
HMSL	504 ft.

Conclusion

Upon reviewing the results of this analysis, it is our opinion that the proposed mount 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:

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Final Configuration Loading

Mount CL (ft)	Vert. O/S (ft)	Rad. HT (ft)	Horiz. O/S (ft) (1)	Qty	Appurtenance (2)	Carrier
128.0	0.0	128.0	11.8	3	POWERWAVE 7770	AT&T
			1.8, 5.1	6	CCI DMP65R-BU8DA	
			5.1	3	ERICSSON B14 4478	
			1.8	3	ERICSSON 4449 B5/B12	
			1.8	3	ERICSSON 8843 B2/B66A	
			11.8	6	POWERWAVE LGP21401	
			--	3	RAYCAP DC6-48-60-18-8F	

(1) Horizontal Offset is defined as the distance from the left most edge of the mount face horizontal when viewed facing the tower
(2) Raycap assumed to be installed directly on tower

Mount Usages

Horizontals	53.8%	Pass
Standoffs	19.8%	Pass
Mount Pipes	64.6%	Pass
Bracing	45.5%	Pass
Bolts	7.4%	Pass
Max Usage	**64.6%**	**Pass**

Mount Connection Usages

Reaction Data	Design Capacity*	Analysis Reactions	Results
Max Tension (lbs.)	20340.15	1504.23	7.4%
Max Shear (lbs.)	12425.24	82.36	0.7%
Unity Check	-	-	0.6%

***Assumed (1) 0.625" A325 Bolts, Total (4) per Connection. Contractor to field verify prior to proposed installation.**

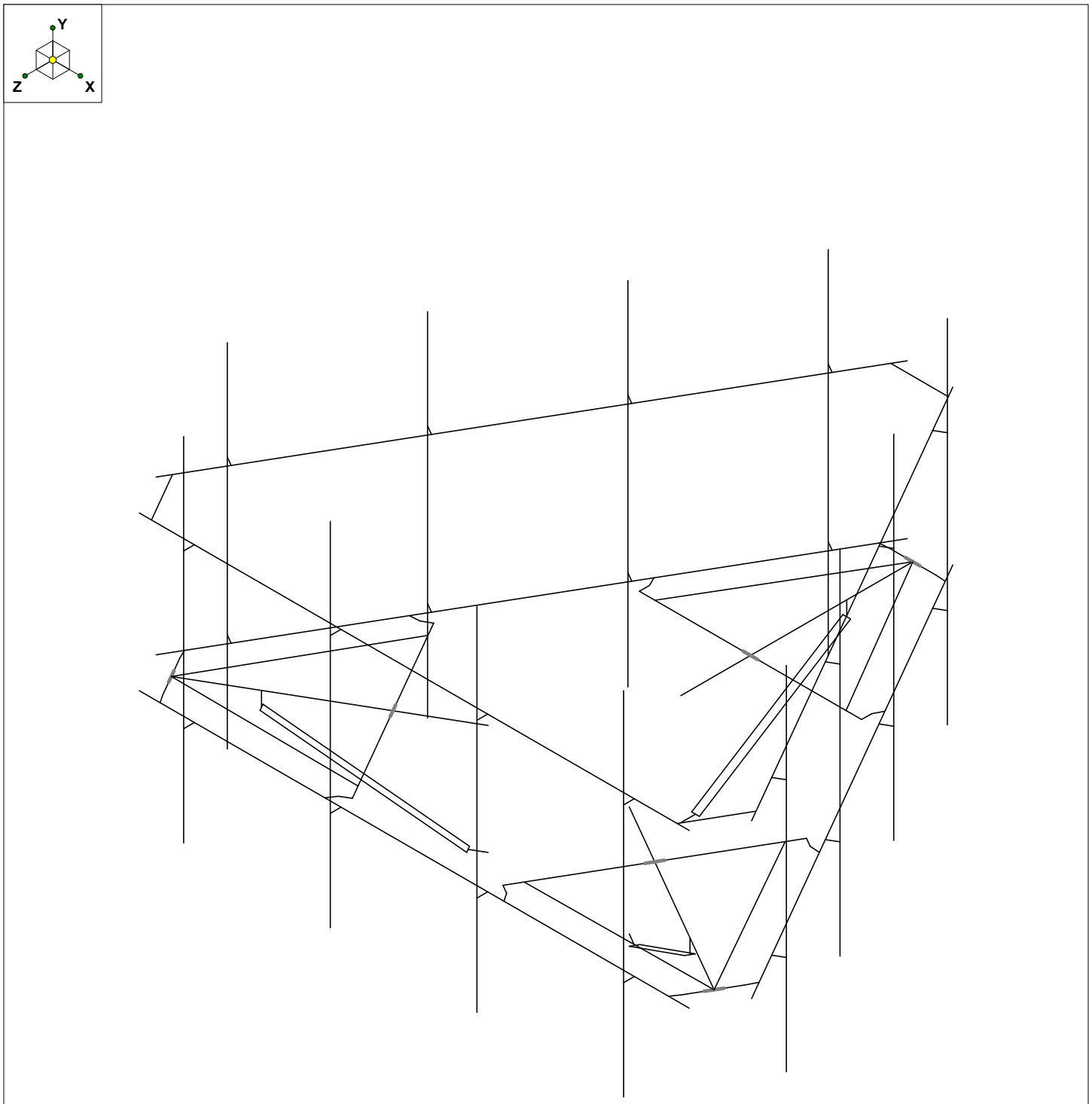
Assumptions and Limitations

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.

Infinigy Engineering, PLLC	Chaplin Palmer Road	Proposed Configuration
TM		Dec 9, 2019 at 3:21 PM
1106-A0001-B		RMQP-496-HK_loaded.r3d



Infinigy Engineering, PLLC	Chaplin Palmer Road	Proposed Configuration
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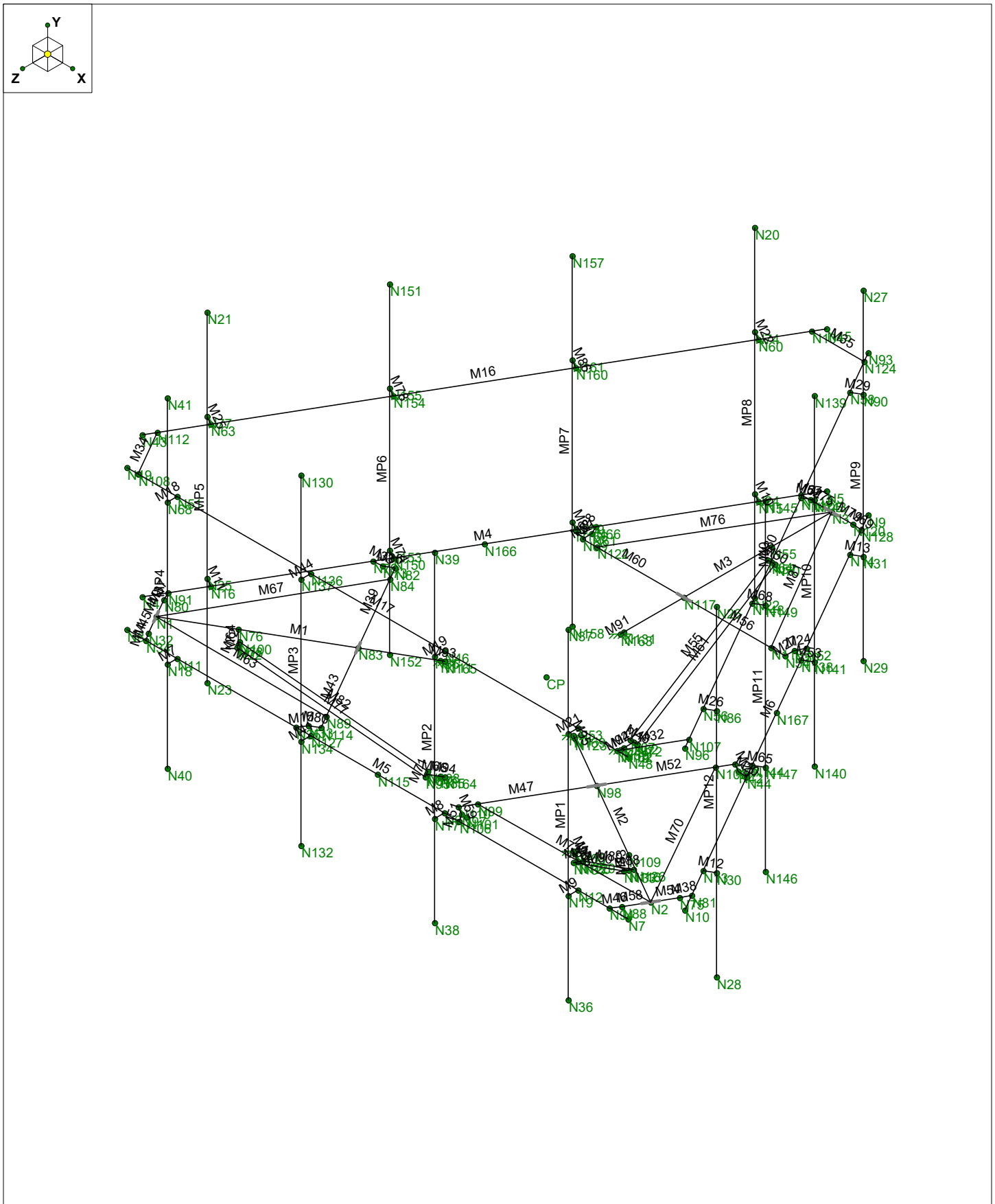

Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Wire Frame
TM		Dec 4, 2019 at 10:21 AM
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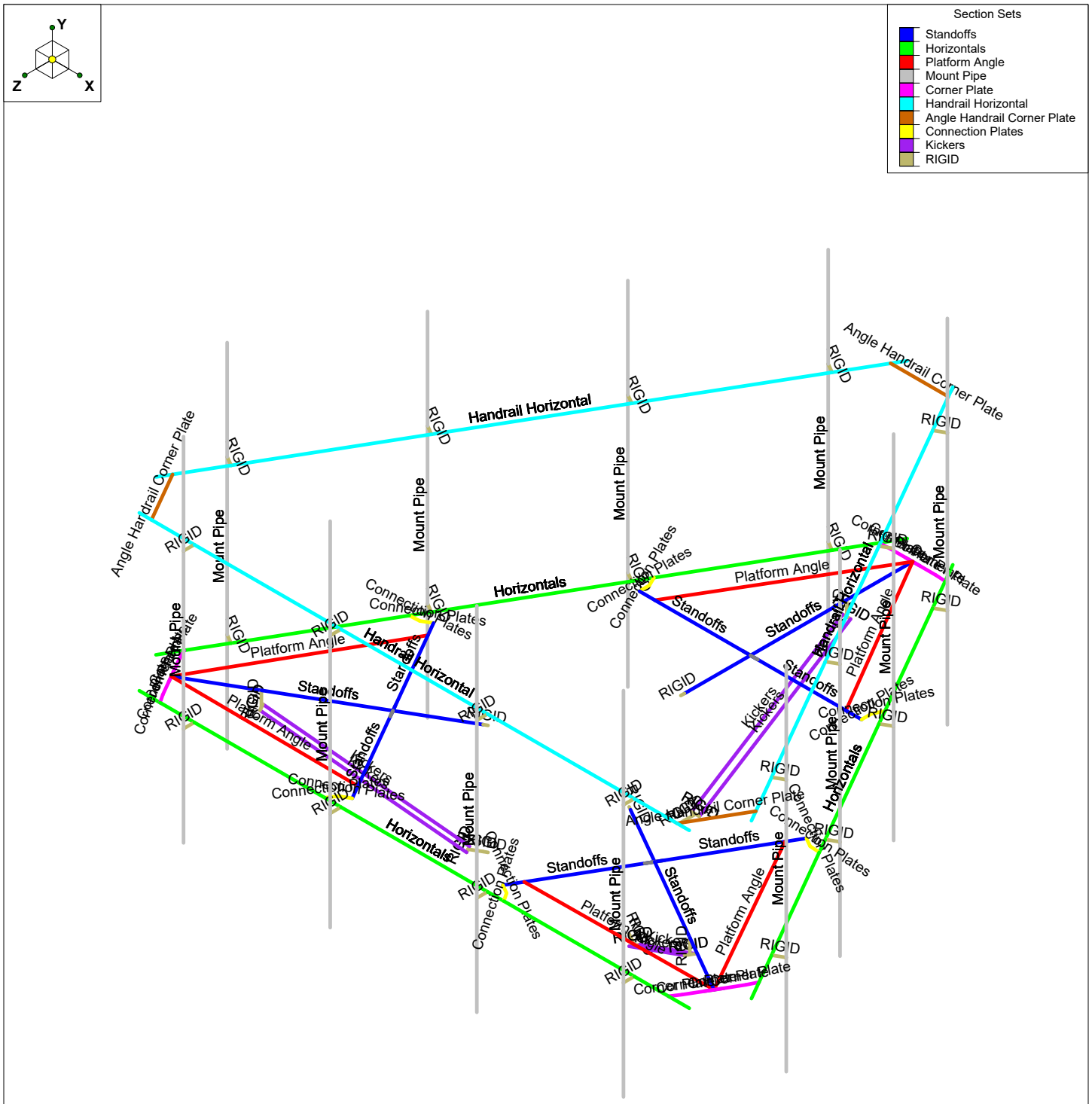

Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Section Sets
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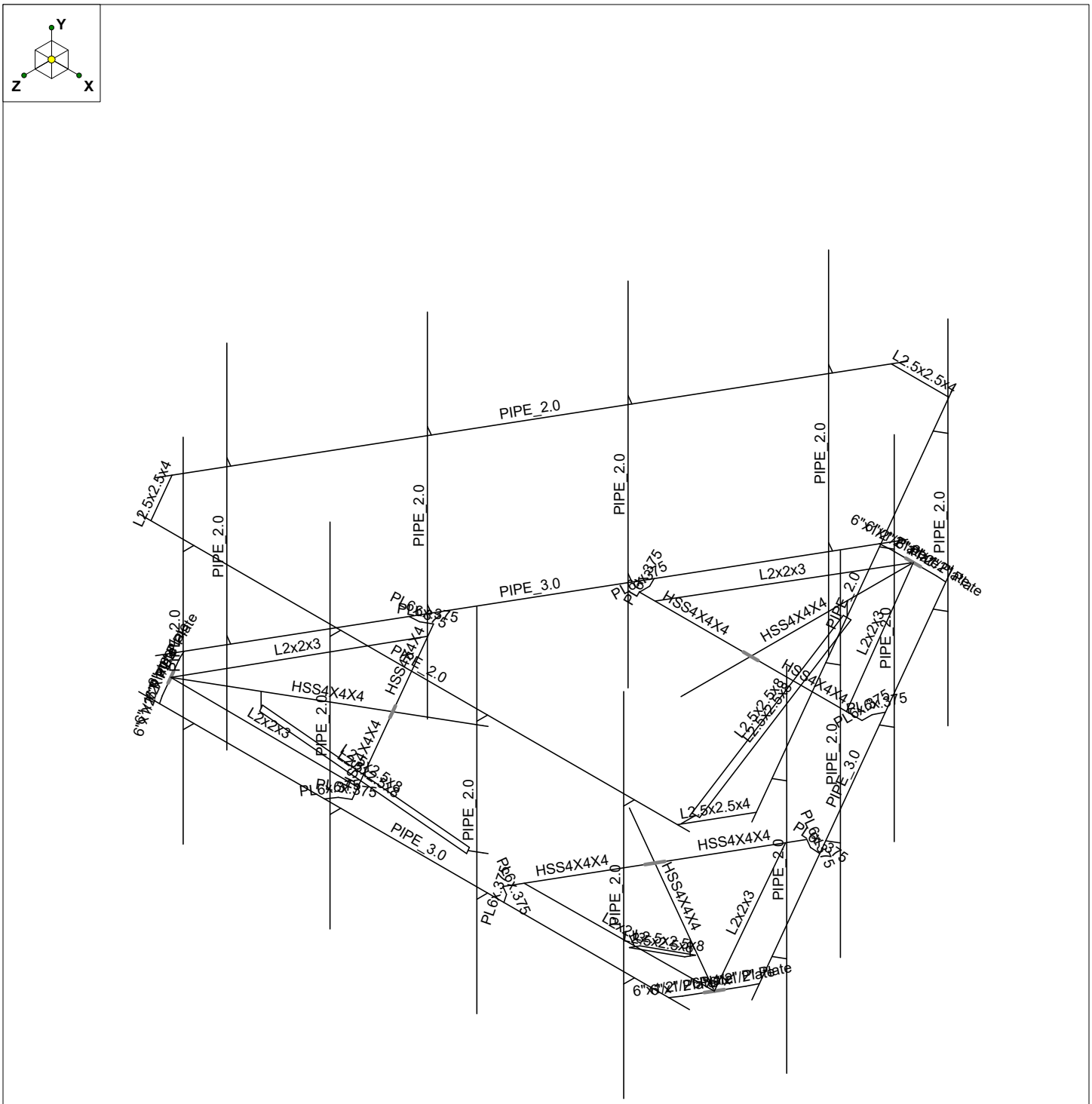

Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Member Shapes
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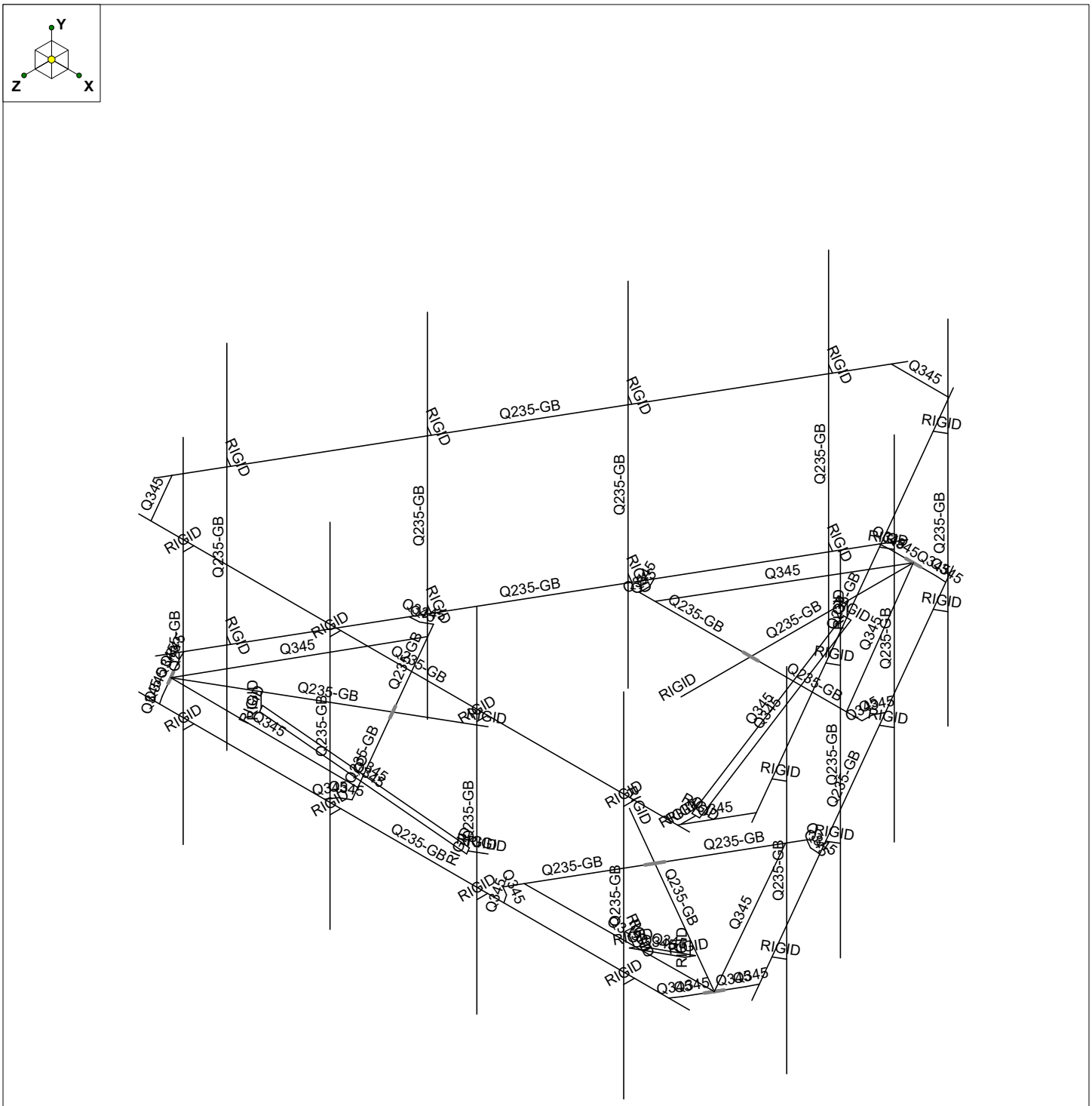

Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Material Sets
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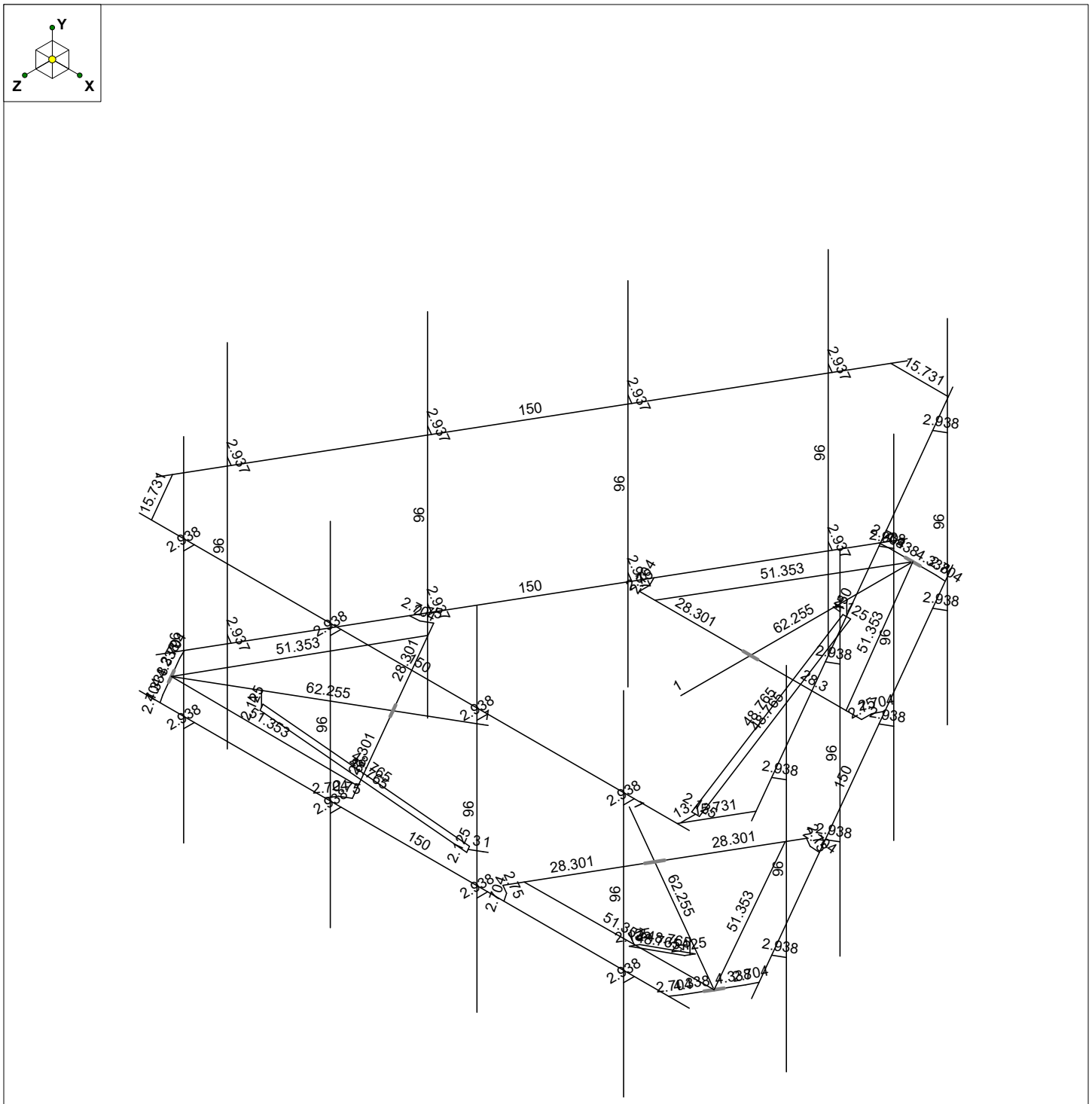

Member Length (in) Displayed
Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Member Length
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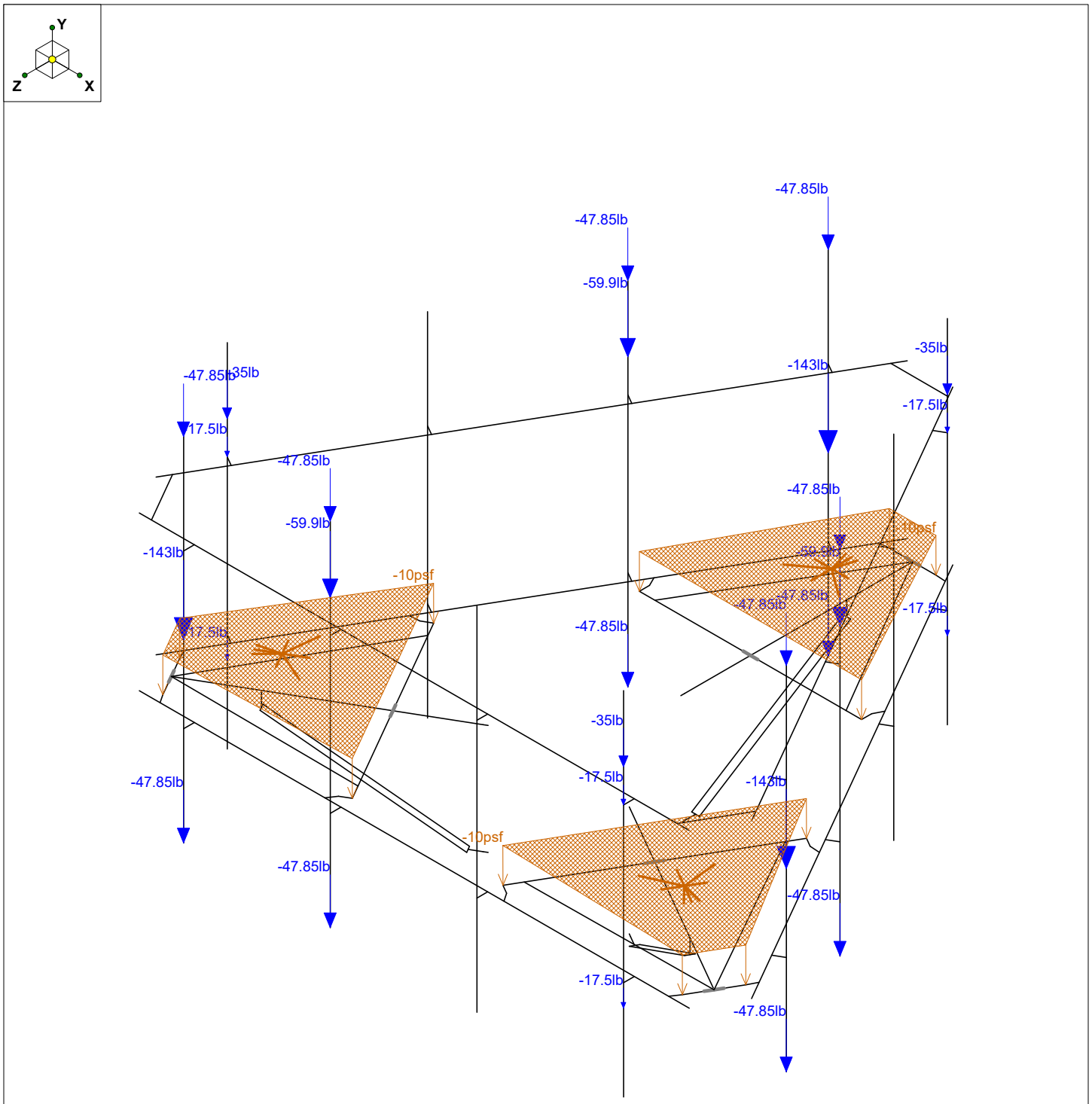

Loads: BLC 1, Self Weight
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Infinigy Engineering, PLLC	Chaplin Palmer Road	Self Weight
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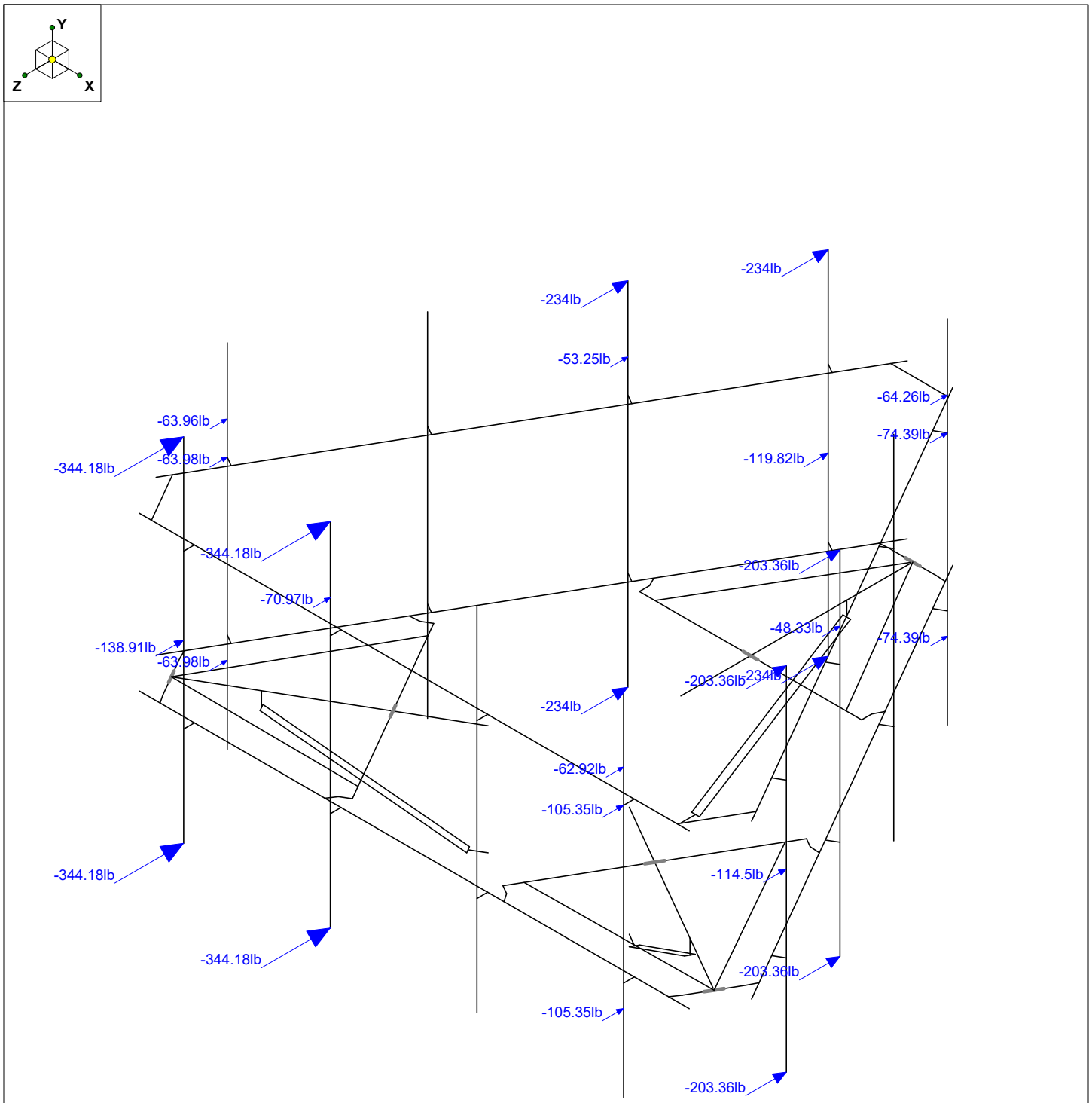

Loads: BLC 2, Wind Load AZI 0
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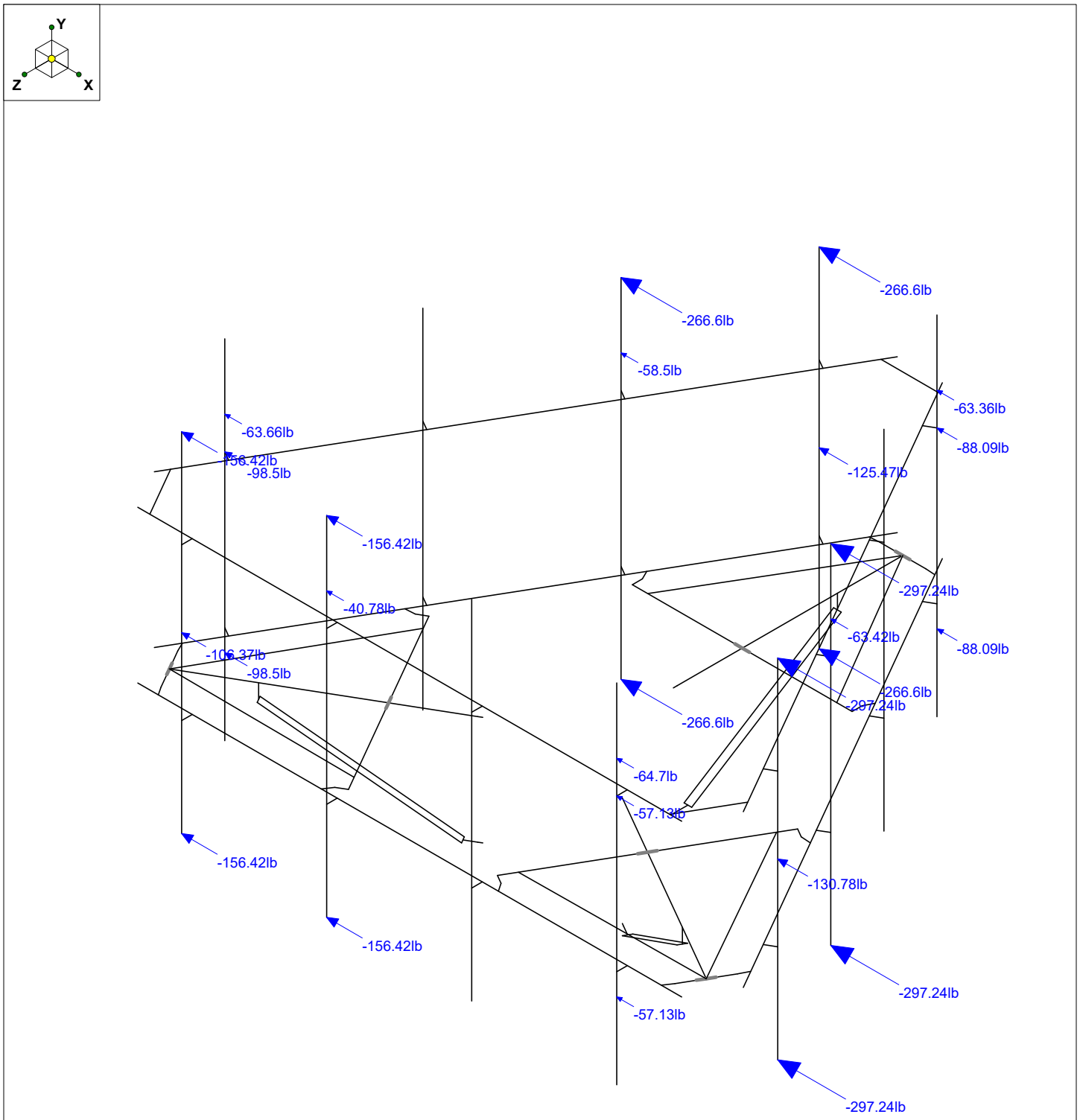
Infinigy Engineering, PLLC	Chaplin Palmer Road	Wind Load AZI 000
TM		Dec 4, 2019 at 10:22 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d



Loads: BLC 5, Wind Load AZI 90
Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Wind Load AZI 090
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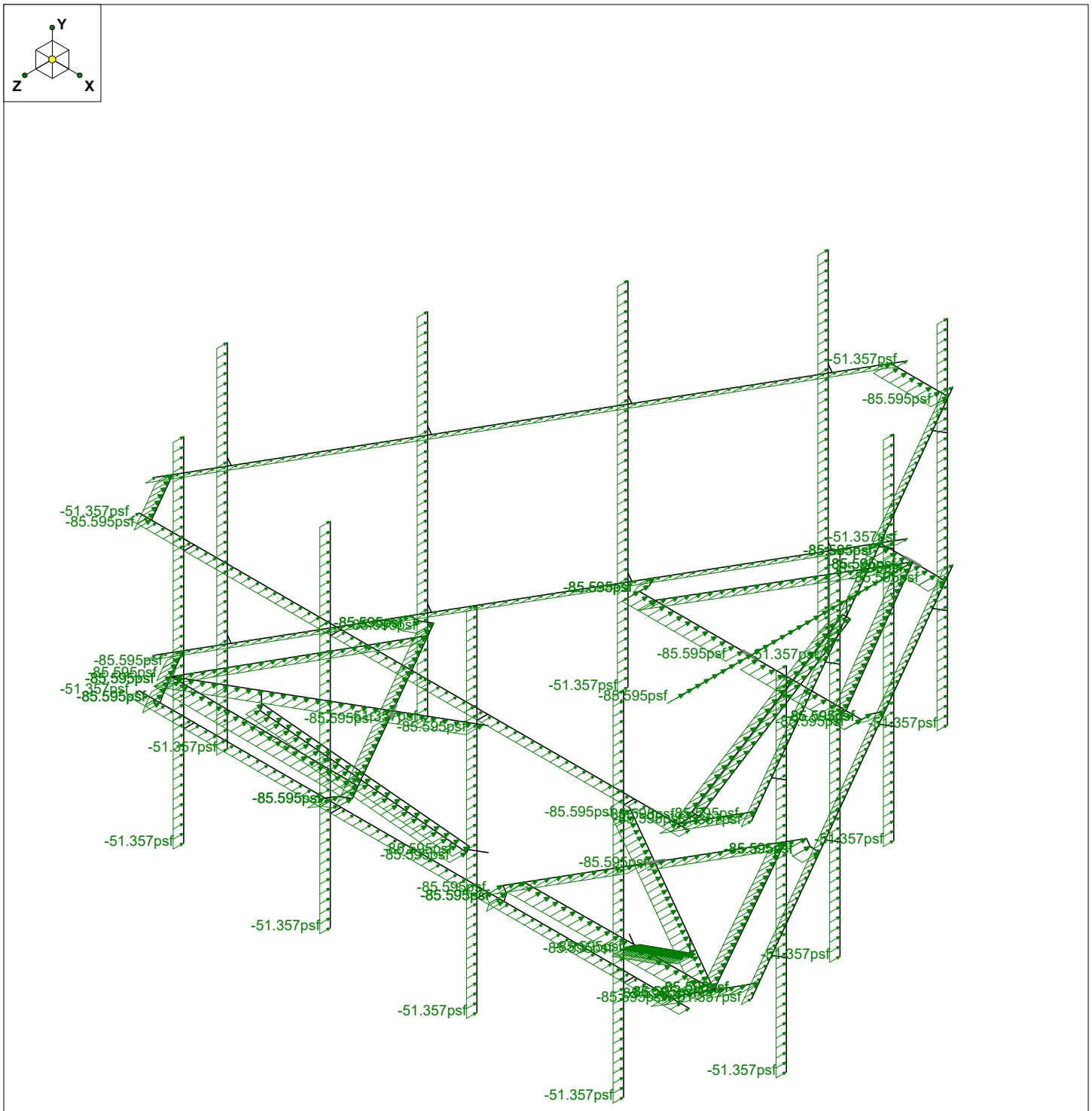

Loads: BLC 14, Distr. Wind Load Z
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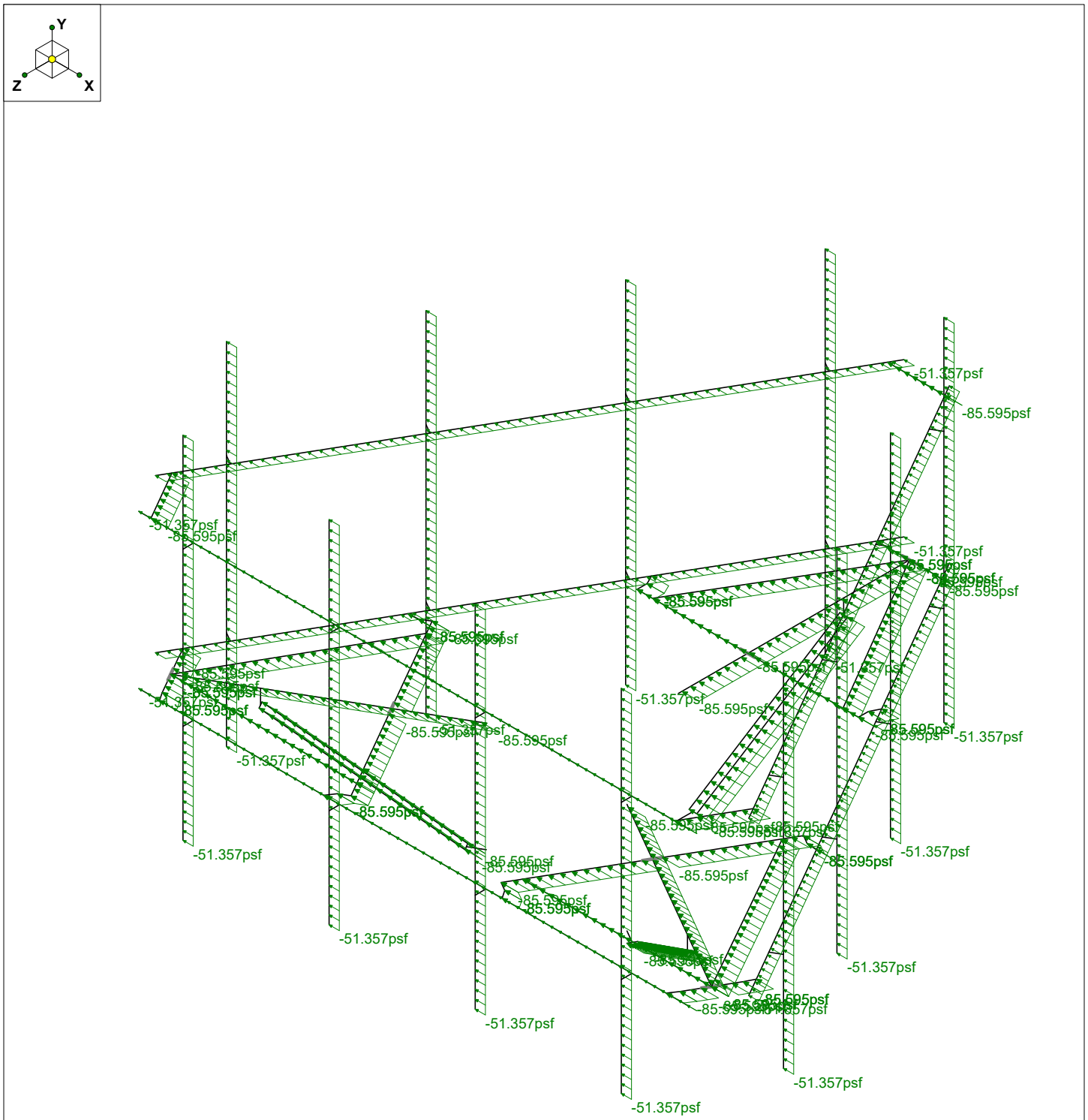
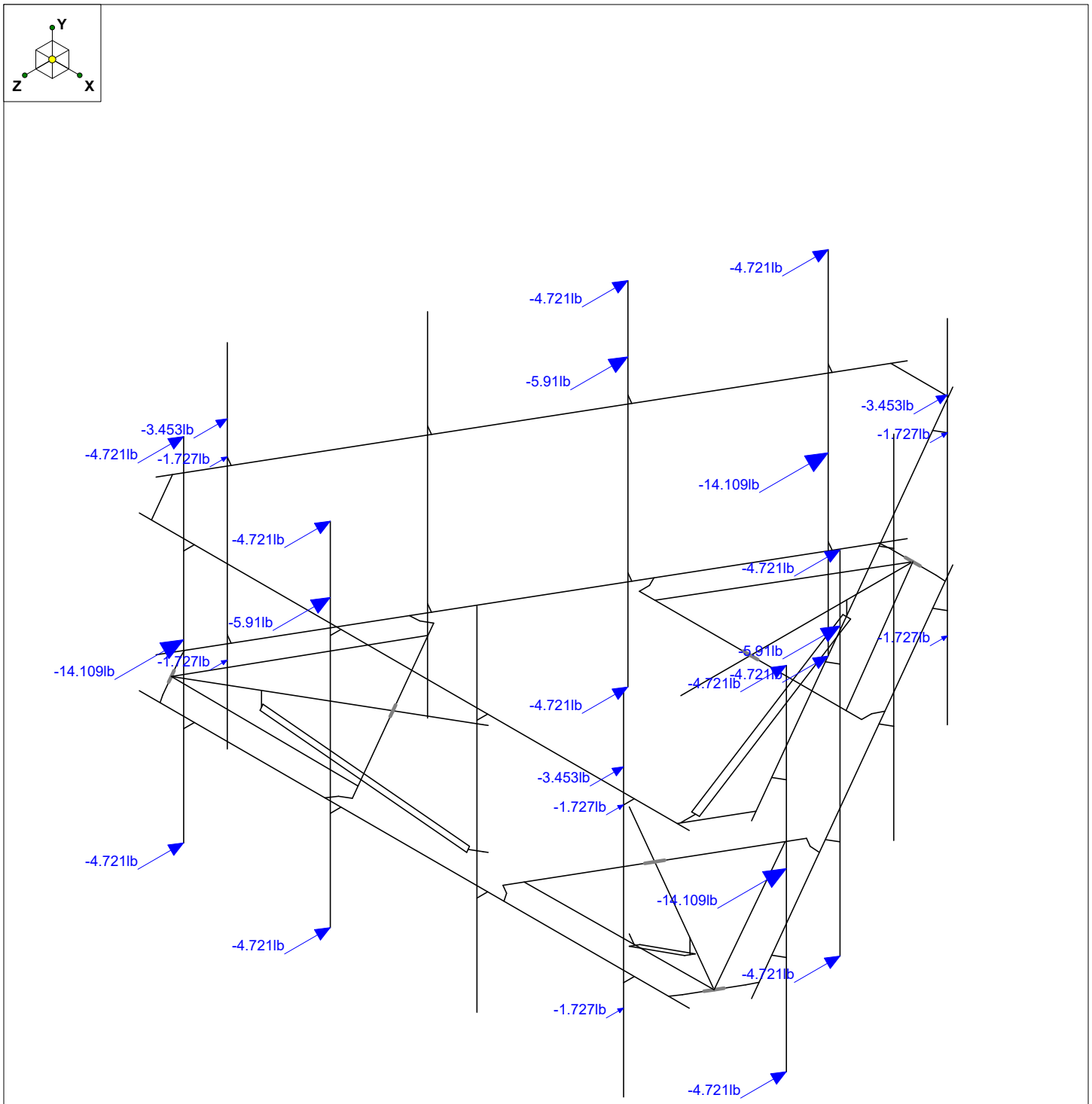
Infinigy Engineering, PLLC	Chaplin Palmer Road	Distr Wind Load AZI 000
TM		Dec 4, 2019 at 10:23 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d



Loads: BLC 15, Distr. Wind Load X
Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Distr Wind Load AZI 090
TM		Dec 4, 2019 at 10:23 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d



Loads: BLC 31, Seismic Load Z
Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Seismic Load AZI 000
TM		Dec 4, 2019 at 10:23 AM
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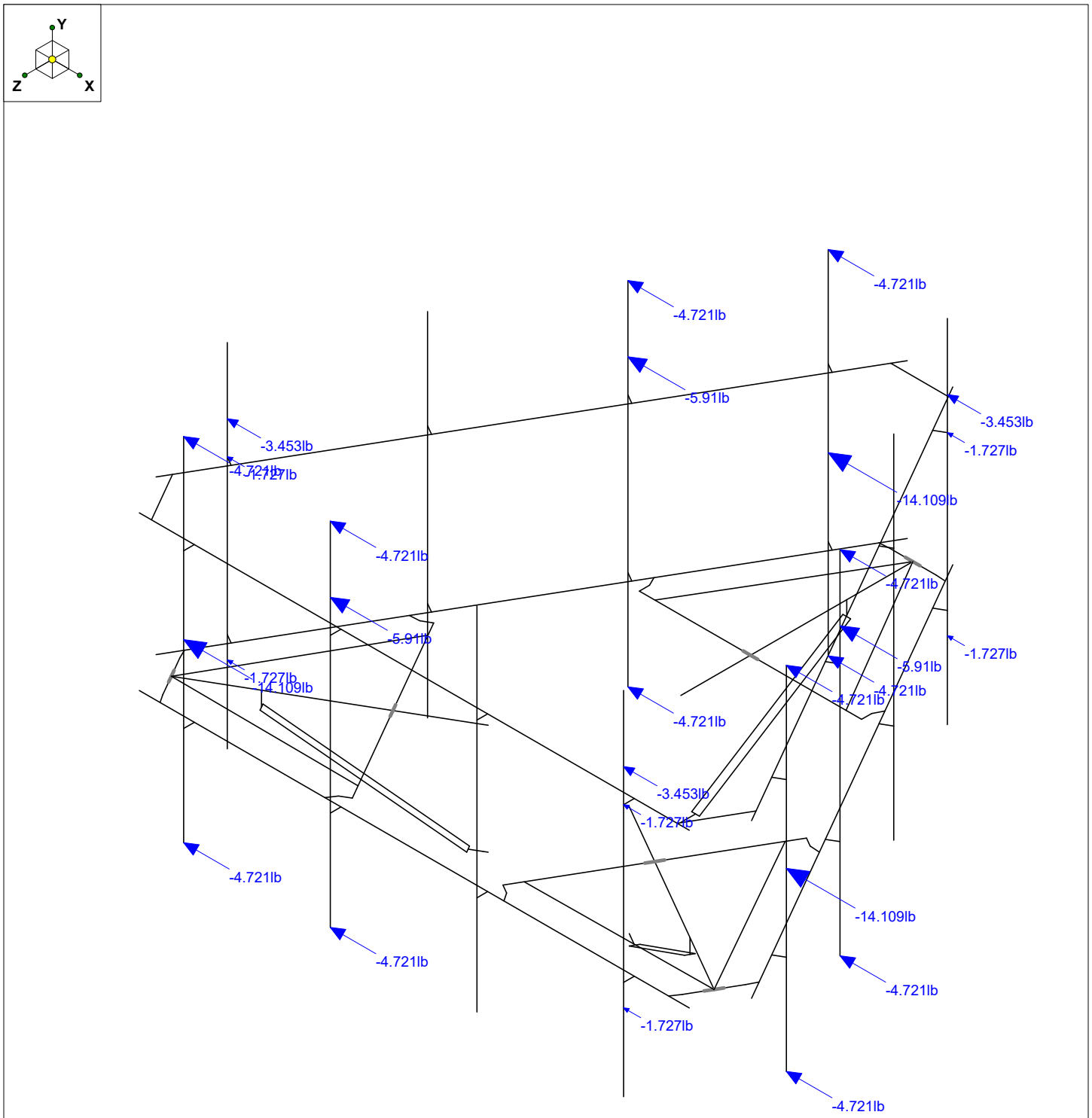

Loads: BLC 32, Seismic Load X
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Infinigy Engineering, PLLC	Chaplin Palmer Road	Seismic Load AZI 090
TM		Dec 4, 2019 at 10:23 AM
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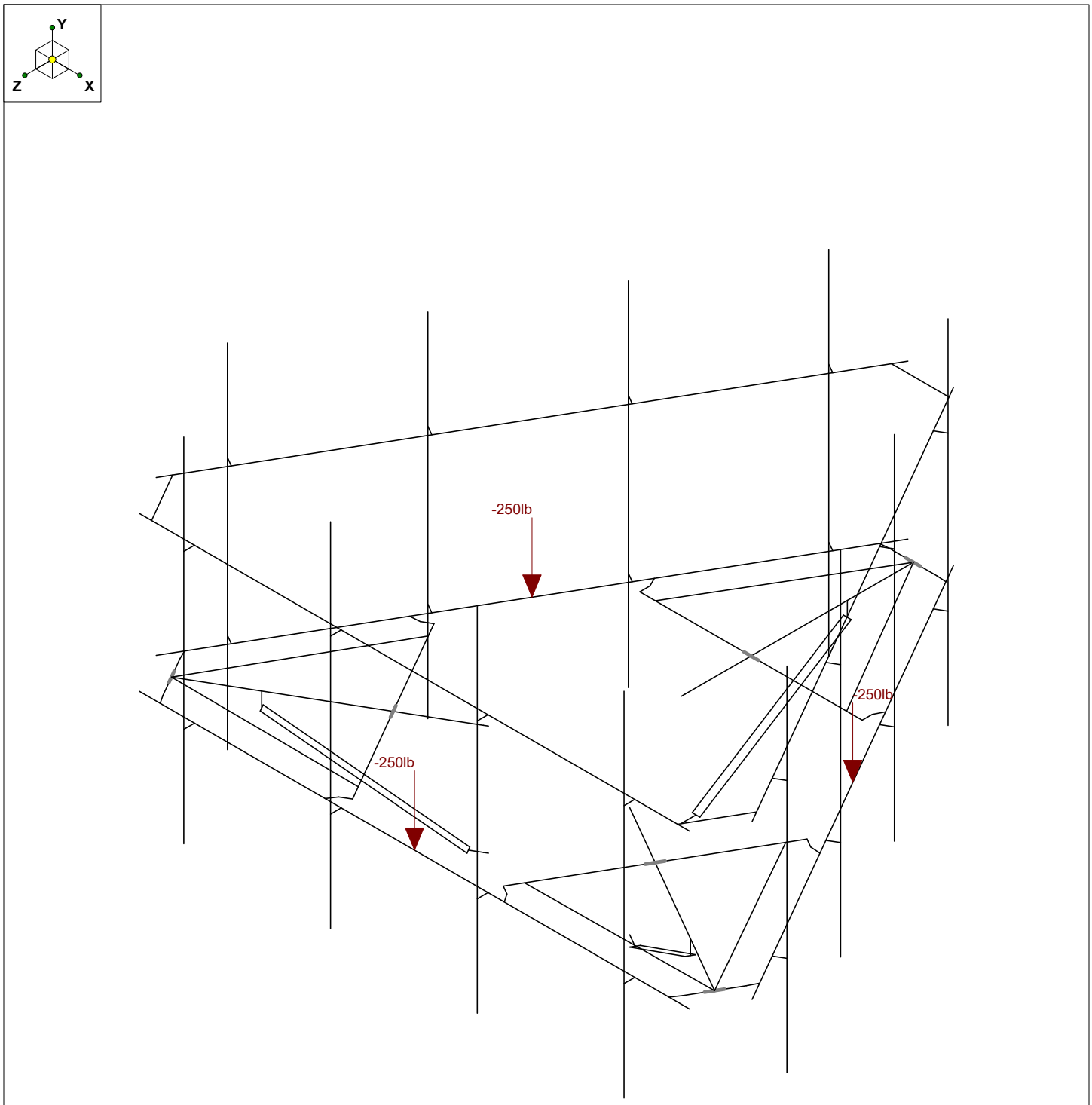

Loads: BLC 33, Service Live Loads
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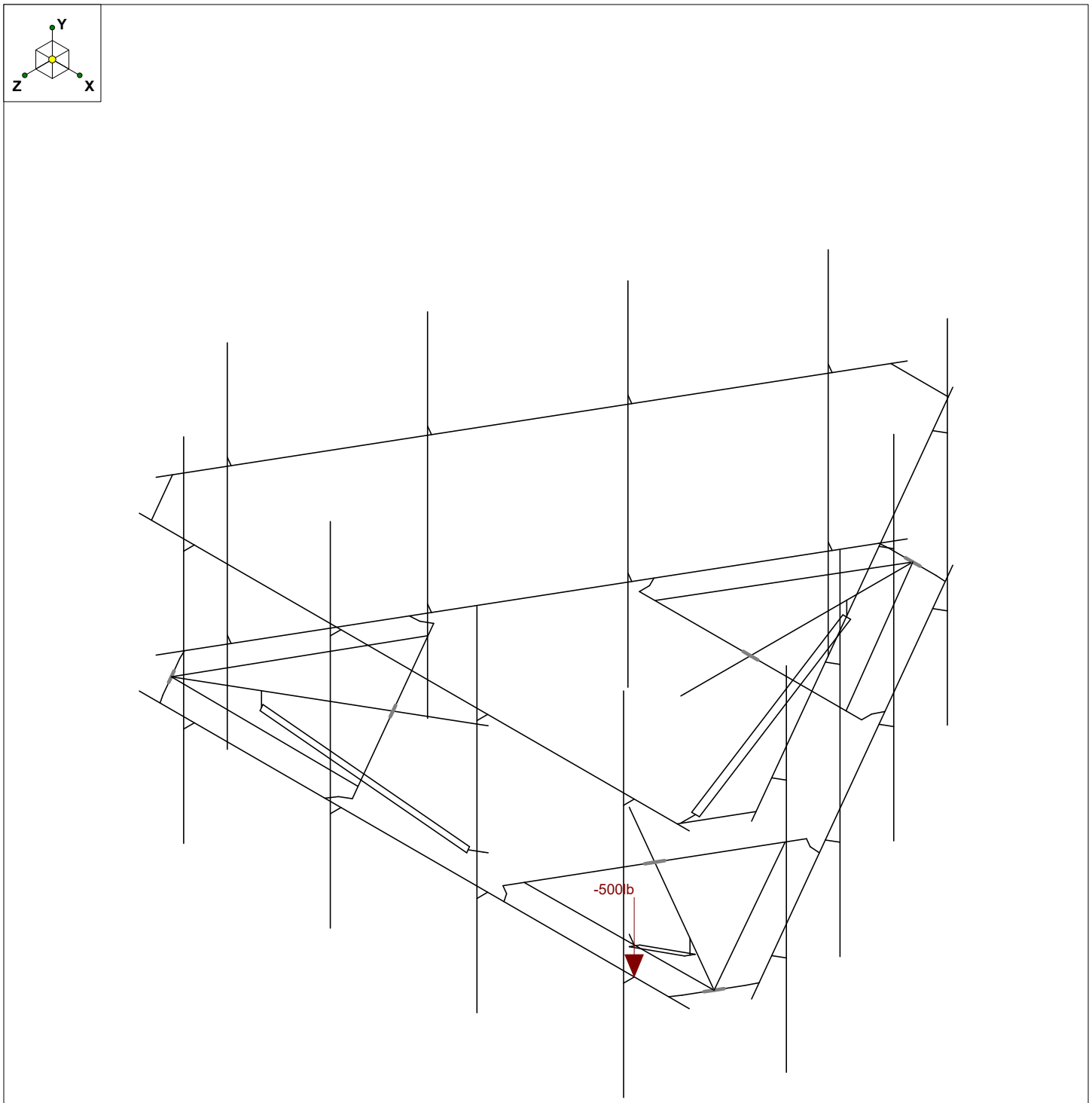
Infinigy Engineering, PLLC	Chaplin Palmer Road	Service Load
TM		Dec 4, 2019 at 10:23 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d



Loads: BLC 34, Maintenance Load 1
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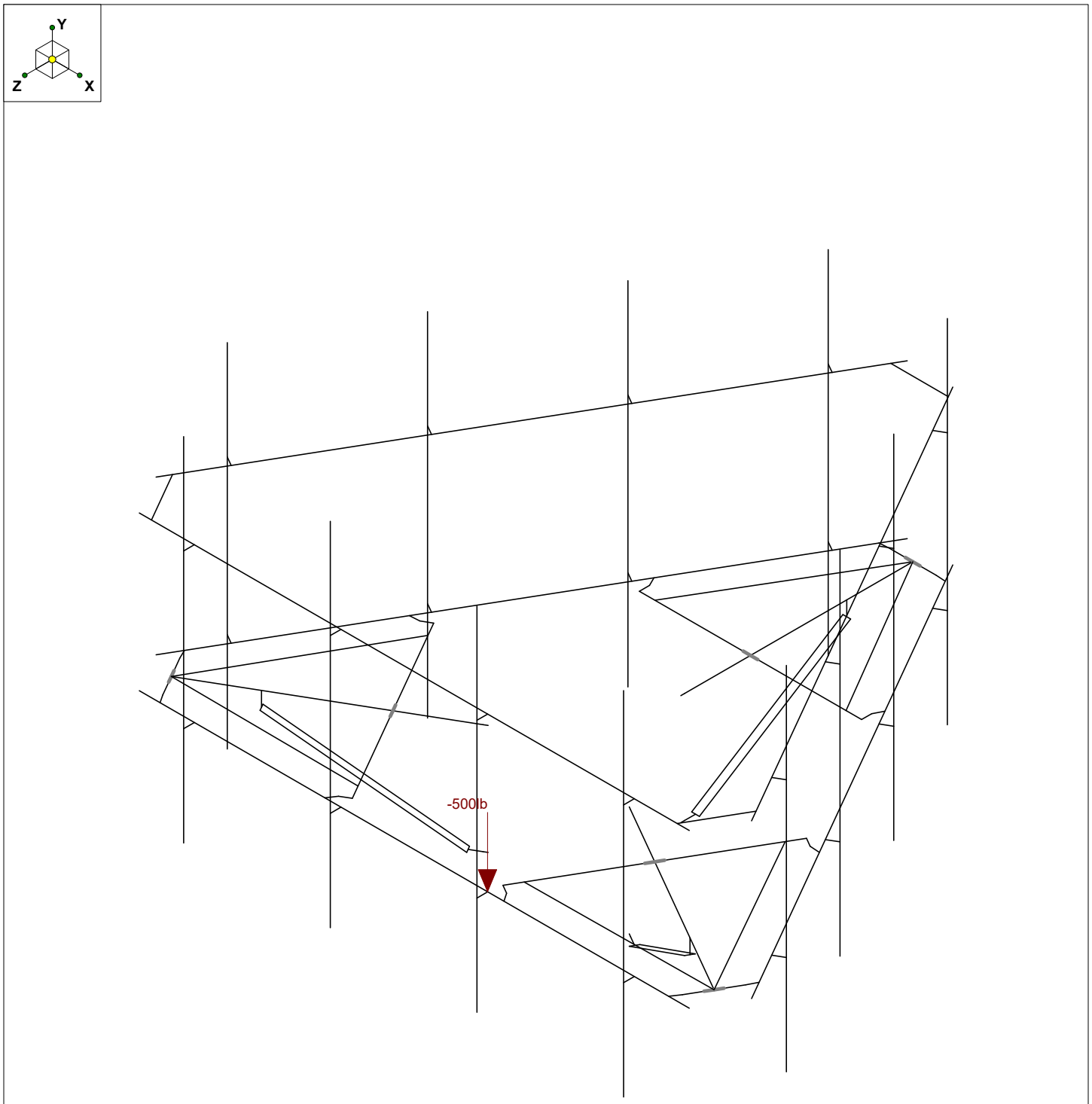
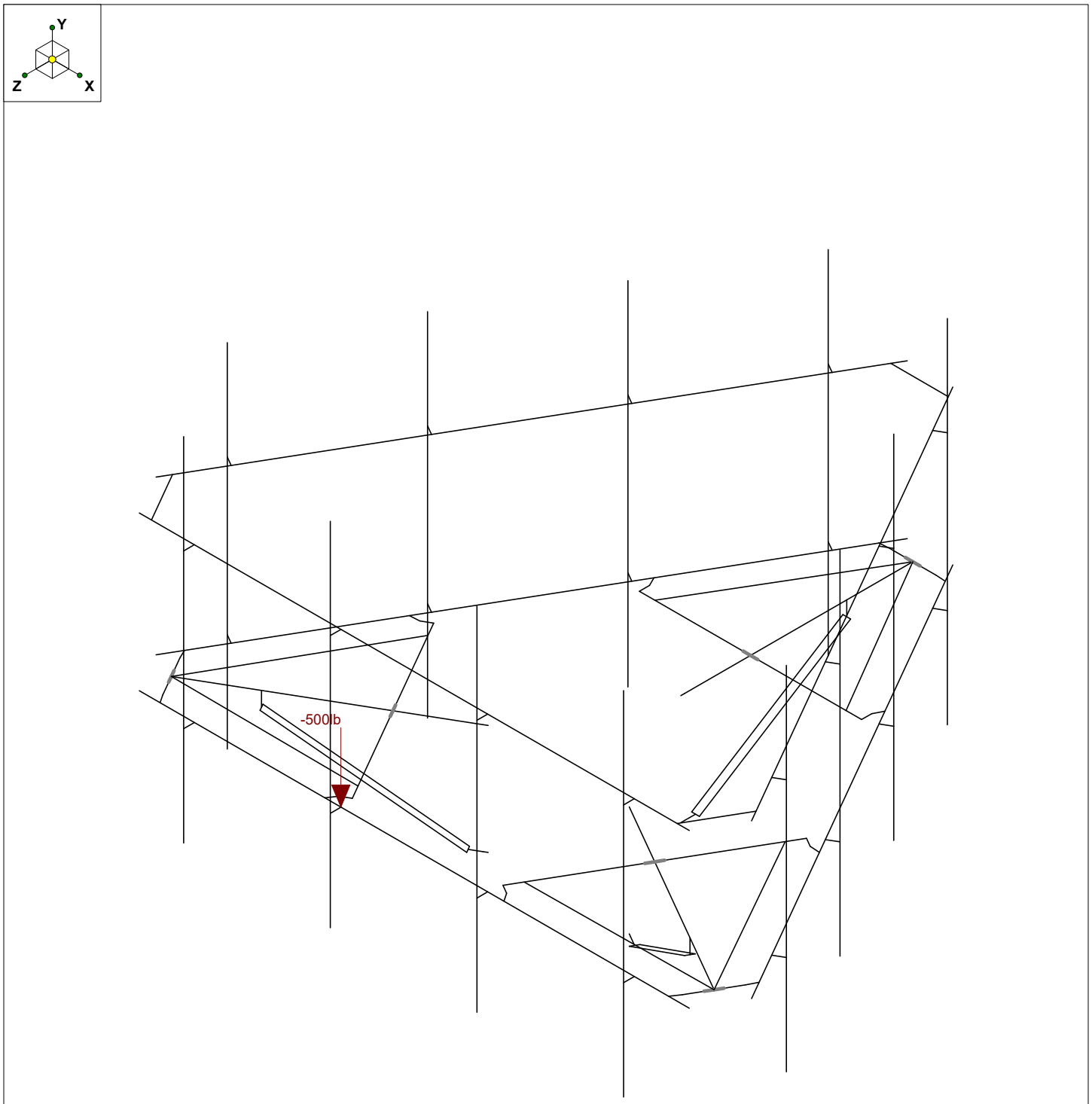
Infinigy Engineering, PLLC	Chaplin Palmer Road	Maintenance Load 1
TM		Dec 4, 2019 at 10:24 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d



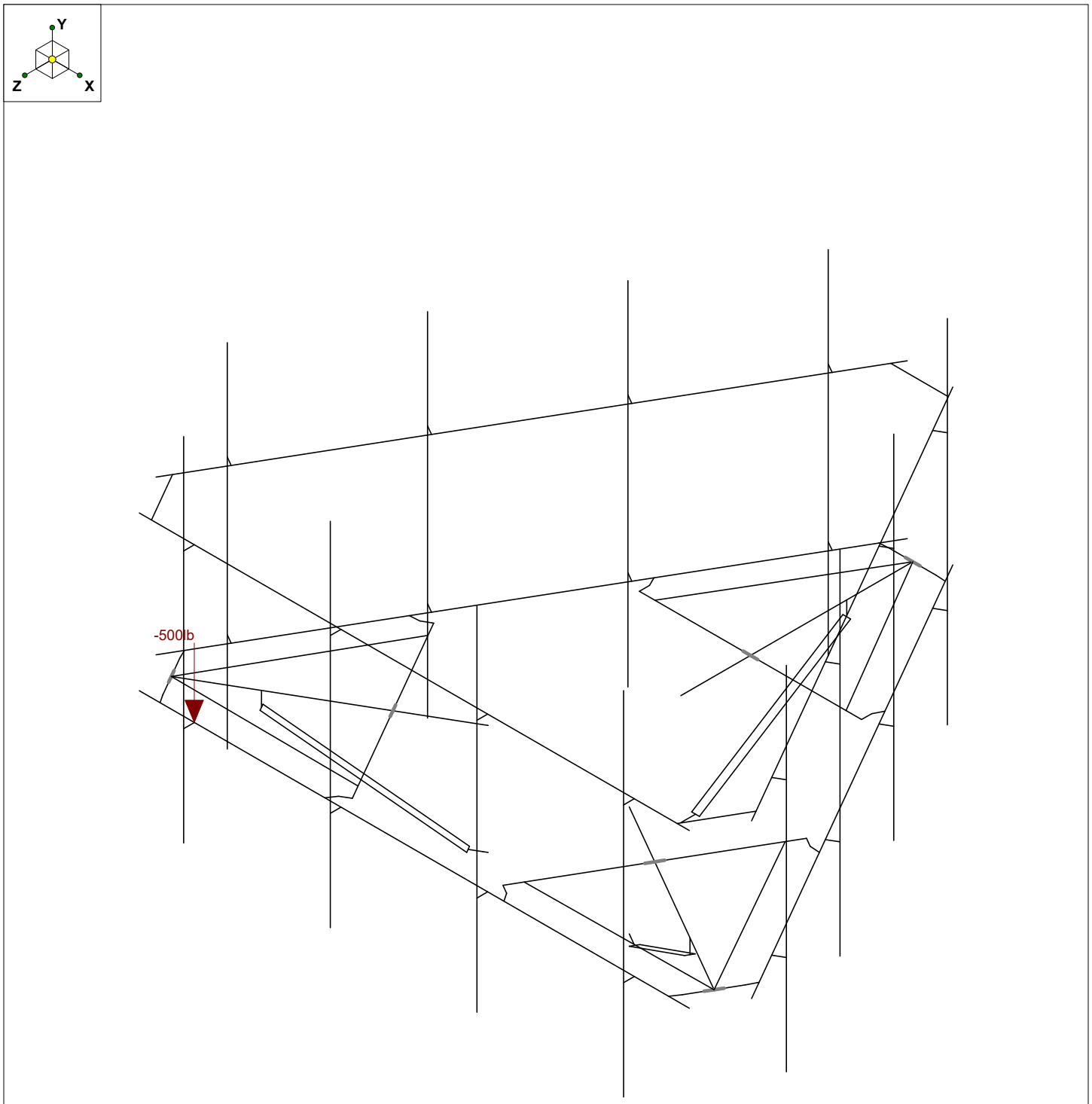
Loads: BLC 35, Maintenance Load 2
Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Maintenance Load 2
TM		Dec 4, 2019 at 10:24 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d



Loads: BLC 36, Maintenance Load 3
Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Maintenance Load 3
TM		Dec 4, 2019 at 10:24 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d



Loads: BLC 37, Maintenance Load 4
Envelope Only Solution

Infinigy Engineering, PLLC	Chaplin Palmer Road	Maintenance Load 4
TM		Dec 4, 2019 at 10:24 AM
1106-A0001-B		RMQP-496-HK_loaded.r3d

Program Inputs

PROJECT INFORMATION	
Client:	Smartlink
Carrier:	AT&T Mobility
Engineer:	Thomas Marr

SITE INFORMATION		
Risk Category:	II	
Exposure Category:	B	
Topo Category:	1	
Site Class:	D - Stiff Soil	
Ground Elevation:	504	ft *Rev H

MOUNT INFORMATION		
Mount Type:	Platform	
Num Sectors:	3	
Centerline AGL:	128.0	ft
Tower Height AGL:	147.0	ft

TOPOGRAPHIC DATA		
Topo Feature:	N/A	
Crest Height:	N/A	ft
Slope Distance:	N/A	ft
Crest Distance:	N/A	ft

FACTORS		
Directionality Fact. (K_d):	0.95	
Ground Ele. Factor (K_e):	0.98	*Rev H Only
Rooftop Speed-Up (K_s):	1.00	*Rev H Only
Topographic Factor (K_{zt}):	1.00	
Gust Effect Factor (G_h):	1.0	

CODE STANDARDS		
Building Code:	2018 IBC	
TIA Standard:	TIA-222-H	
ASCE Standard:	ASCE 7-16	

WIND AND ICE DATA		
Ultimate Wind (V_{ult}):	130	mph
Design Wind (V):	N/A	mph
Ice Wind (V_{ice}):	50	mph
Base Ice Thickness (t_i):	1	in
Flat Pressure:	85.59	psf
Round Pressure:	51.36	psf
Ice Wind Pressure:	7.60	psf

SEISMIC DATA		
Short-Period Accel. (S_s):	0.19	g
1-Second Accel. (S_1):	0.06	g
Short-Period Design (S_{DS}):	0.20	
1-Second Design (S_{D1}):	0.09	
Short-Period Coeff. (F_a):	1.60	
1-Second Coeff. (F_v):	2.40	
Amplification Factor (a_p):	1.00	
Response Mod. (R_p):	2.50	
Overstrength (Ω_o):	1.00	

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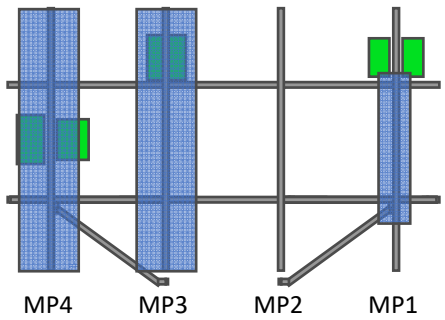
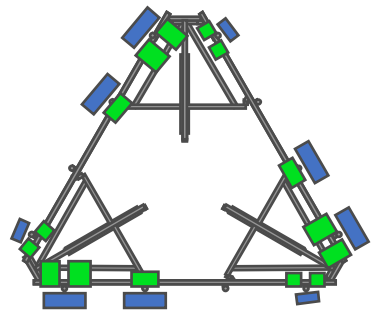
Infinigy Wind Load Calculator V2.1.3

Program Inputs

ELEVATION VIEW



PLAN VIEW



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Infinigy Wind Load Calculator V2.1.3

APPURTENANCE INFORMATION

Appurtenance Name	Elevation	Qty.	K_a	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)
POWERWAVE 7770	128.0	3	0.90	42.80	5.51	2.93	210.70	114.26	35.00	3.45	MP1
CCI DMP65R-BU8D	128.0	3	0.90	42.80	17.87	8.12	688.35	312.85	95.70	9.44	MP3
CCI DMP65R-BU8D	128.0	3	0.90	42.80	17.87	8.12	688.35	312.85	95.70	9.44	MP4
ERICSSON B14 4478	128.0	3	0.90	42.80	1.84	1.06	70.97	40.78	59.90	5.91	MP3
ERICSSON 4449 B5/B12	128.0	3	0.90	42.80	1.97	1.41	75.78	54.24	71.00	7.01	MP4
ERICSSON 8843 B2/B66A	128.0	3	0.90	42.80	1.64	1.35	63.13	52.13	72.00	7.10	MP4
POWERWAVE LGP21401	128.0	3	0.90	42.80	0.82	0.84	31.46	32.35	17.50	1.73	MP1
POWERWAVE LGP21401	128.0	3	0.90	42.80	0.82	0.84	31.46	32.35	17.50	1.73	MP1
RAYCAP DC6-48-60-18-8F	128.0	3	0.90	42.80	2.90	2.90	111.73	111.73	32.80	3.24	Leg/Flush

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N111	N1			Standoffs	Beam	None	Q235-GB	Typical
2	M2	N123	N2			Standoffs	Beam	None	Q235-GB	Typical
3	M3	N131	N3			Standoffs	Beam	None	Q235-GB	Typical
4	M4	N5	N4			Horizontals	Beam	None	Q235-GB	Typical
5	M5	N8	N7			Horizontals	Beam	None	Q235-GB	Typical
6	M6	N10	N9			Horizontals	Beam	None	Q235-GB	Typical
7	M7	N11	N18			RIGID	None	None	RIGID	Typical
8	M8	N6	N17			RIGID	None	None	RIGID	Typical
9	M9	N12	N19			RIGID	None	None	RIGID	Typical
10	M10	N15	N24			RIGID	None	None	RIGID	Typical
11	M11	N16	N25			RIGID	None	None	RIGID	Typical
12	M12	N13	N30			RIGID	None	None	RIGID	Typical
13	M13	N14	N31			RIGID	None	None	RIGID	Typical
14	M14	N32	N34			Corner Plate	Beam	None	Q345	Typical
15	M15	N33	N35			Connection Plates	Beam	None	Q345	Typical
16	M16	N45	N43			Handrail Horizont...	Beam	None	Q235-GB	Typical
17	M17	N49	N48			Handrail Horizont...	Beam	None	Q235-GB	Typical
18	M18	N51	N68			RIGID	None	None	RIGID	Typical
19	M19	N46	N65			RIGID	None	None	RIGID	Typical
20	M20	N42	N44			Connection Plates	Beam	None	Q345	Typical
21	M21	N53	N71			RIGID	None	None	RIGID	Typical
22	M22	N60	N74			RIGID	None	None	RIGID	Typical
23	M23	N42	N47			Connection Plates	Beam	None	Q345	Typical
24	M24	N50	N52			Connection Plates	Beam	None	Q345	Typical
25	M25	N63	N77			RIGID	None	None	RIGID	Typical
26	M26	N56	N86			RIGID	None	None	RIGID	Typical
27	M27	N50	N54			Connection Plates	Beam	None	Q345	Typical
28	M28	N61	N66			Connection Plates	Beam	None	Q345	Typical
29	M29	N58	N90			RIGID	None	None	RIGID	Typical
30	M30	N96	N93			Handrail Horizont...	Beam	None	Q235-GB	Typical
31	M31	N61	N69			Connection Plates	Beam	None	Q345	Typical
32	M32	N107	N119		180	Angle Handrail C...	Beam	None	Q345	Typical
33	M33	N73	N79			Connection Plates	Beam	None	Q345	Typical
34	M34	N108	N112		180	Angle Handrail C...	Beam	None	Q345	Typical
35	M35	N124	N104		90	Angle Handrail C...	Beam	None	Q345	Typical
36	M36	N73	N82			Connection Plates	Beam	None	Q345	Typical
37	M37	N80	N91			Corner Plate	Beam	None	Q345	Typical
38	M38	N75	N81			Corner Plate	Beam	None	Q345	Typical
39	M39	N82	N83			Standoffs	Beam	None	Q235-GB	Typical
40	M40	N55	N57			RIGID	None	None	RIGID	Typical
41	M41	N127	N134			RIGID	None	None	RIGID	Typical
42	M42	N59	N62			RIGID	None	None	RIGID	Typical
43	M43	N83	N114			Standoffs	Beam	None	Q235-GB	Typical
44	M44	N136	N137			RIGID	None	None	RIGID	Typical
45	M45	N32	N1			Corner Plate	Beam	None	Q345	Typical
46	M46	N88	N94			Corner Plate	Beam	None	Q345	Typical
47	M47	N110	N98			Standoffs	Beam	None	Q235-GB	Typical
48	M48	N67	N72			RIGID	None	None	RIGID	Typical
49	M49	N1	N80			Corner Plate	Beam	None	Q345	Typical
50	M50	N64	N70			RIGID	None	None	RIGID	Typical
51	M51	N97	N106			Connection Plates	Beam	None	Q345	Typical
52	M52	N98	N47			Standoffs	Beam	None	Q235-GB	Typical
53	M53	N138	N141			RIGID	None	None	RIGID	Typical
54	M54	N75	N2			Corner Plate	Beam	None	Q345	Typical
55	M55	N67	N64		180	Kickers	Beam	None	Q345	Typical
56	M56	N54	N117			Standoffs	Beam	None	Q235-GB	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rules
57	M57	N142	N143			RIGID	None	None	RIGID	Typical
58	M58	N2	N88			Corner Plate	Beam	None	Q345	Typical
59	M59	N97	N110			Connection Plates	Beam	None	Q345	Typical
60	M60	N117	N69			Standoffs	Beam	None	Q235-GB	Typical
61	M61	N72	N70		90	Kickers	Beam	None	Q345	Typical
62	M62	N105	N113			Corner Plate	Beam	None	Q345	Typical
63	M63	N1	N89		270	Platform Angle	Beam	None	Q345	Typical
64	M64	N76	N78			RIGID	None	None	RIGID	Typical
65	M65	N144	N147			RIGID	None	None	RIGID	Typical
66	M66	N85	N87			RIGID	None	None	RIGID	Typical
67	M67	N1	N84			Platform Angle	Beam	None	Q345	Typical
68	M68	N148	N149			RIGID	None	None	RIGID	Typical
69	M69	N120	N128			Corner Plate	Beam	None	Q345	Typical
70	M70	N2	N102		270	Platform Angle	Beam	None	Q345	Typical
71	M71	N95	N103			RIGID	None	None	RIGID	Typical
72	M72	N92	N100			RIGID	None	None	RIGID	Typical
73	M73	N2	N99			Platform Angle	Beam	None	Q345	Typical
74	M74	N150	N153			RIGID	None	None	RIGID	Typical
75	M75	N105	N3			Corner Plate	Beam	None	Q345	Typical
76	M76	N3	N122		270	Platform Angle	Beam	None	Q345	Typical
77	M77	N95	N92		180	Kickers	Beam	None	Q345	Typical
78	M78	N154	N155			RIGID	None	None	RIGID	Typical
79	M79	N3	N120			Corner Plate	Beam	None	Q345	Typical
80	M80	N33	N114			Connection Plates	Beam	None	Q345	Typical
81	M81	N3	N118			Platform Angle	Beam	None	Q345	Typical
82	M82	N103	N100		90	Kickers	Beam	None	Q345	Typical
83	M83	N109	N116			RIGID	None	None	RIGID	Typical
84	M84	N156	N159			RIGID	None	None	RIGID	Typical
85	M85	N121	N125			RIGID	None	None	RIGID	Typical
86	M86	N160	N161			RIGID	None	None	RIGID	Typical
87	M87	N129	N135			RIGID	None	None	RIGID	Typical
88	M88	N126	N133			RIGID	None	None	RIGID	Typical
89	M89	N129	N126		180	Kickers	Beam	None	Q345	Typical
90	M90	N135	N133		90	Kickers	Beam	None	Q345	Typical
91	M91	N163	N131			RIGID	None	None	RIGID	Typical
92	M92	N162	N59			RIGID	None	None	RIGID	Typical
93	M93	N165	N111			RIGID	None	None	RIGID	Typical
94	M94	N164	N85			RIGID	None	None	RIGID	Typical
95	M95	N169	N123			RIGID	None	None	RIGID	Typical
96	M96	N168	N121			RIGID	None	None	RIGID	Typical
97	MP1	N36	N37			Mount Pipe	Column	None	Q235-GB	Typical
98	MP2	N38	N39			Mount Pipe	Column	None	Q235-GB	Typical
99	MP3	N132	N130			Mount Pipe	Column	None	Q235-GB	Typical
100	MP4	N40	N41			Mount Pipe	Column	None	Q235-GB	Typical
101	MP5	N23	N21			Mount Pipe	Column	None	Q235-GB	Typical
102	MP6	N152	N151			Mount Pipe	Column	None	Q235-GB	Typical
103	MP7	N158	N157			Mount Pipe	Column	None	Q235-GB	Typical
104	MP8	N22	N20			Mount Pipe	Column	None	Q235-GB	Typical
105	MP9	N29	N27			Mount Pipe	Column	None	Q235-GB	Typical
106	MP10	N140	N139			Mount Pipe	Column	None	Q235-GB	Typical
107	MP11	N146	N145			Mount Pipe	Column	None	Q235-GB	Typical
108	MP12	N28	N26			Mount Pipe	Column	None	Q235-GB	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[K]
1	General				
2	RIGID		42	110.3	0
3	Total General		42	110.3	0
4					
5	Hot Rolled Steel				
6	Q235-GB	HSS4X4X4	9	356.6	.341
7	Q235-GB	PIPE_2.0	15	1602	.463
8	Q235-GB	PIPE_3.0	3	450	.264
9	Q345	6"x1/2" Plate	12	42.3	.036
10	Q345	L2.5x2.5x4	3	47.2	.016
11	Q345	L2.5x2.5x8	6	292.6	.188
12	Q345	L2x2x3	6	308.1	.063
13	Q345	PL6x.375	12	32.7	.021
14	Total HR Steel		66	3131.4	1.392

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
1	Self Weight	DL		-1			33		3	
2	Wind Load AZI 0	WLZ					66			
3	Wind Load AZI 30	None					66			
4	Wind Load AZI 60	None					66			
5	Wind Load AZI 90	WLX					66			
6	Wind Load AZI 120	None					66			
7	Wind Load AZI 150	None					66			
8	Wind Load AZI 180	None					66			
9	Wind Load AZI 210	None					66			
10	Wind Load AZI 240	None					66			
11	Wind Load AZI 270	None					66			
12	Wind Load AZI 300	None					66			
13	Wind Load AZI 330	None					66			
14	Distr. Wind Load Z	WLZ						108		
15	Distr. Wind Load X	WLX						108		
16	Ice Weight	OL1					33	108	3	
17	Ice Wind Load AZI 0	OL2					66			
18	Ice Wind Load AZI 30	None					66			
19	Ice Wind Load AZI 60	None					66			
20	Ice Wind Load AZI 90	OL3					66			
21	Ice Wind Load AZI 120	None					66			
22	Ice Wind Load AZI 150	None					66			
23	Ice Wind Load AZI 180	None					66			
24	Ice Wind Load AZI 210	None					66			
25	Ice Wind Load AZI 240	None					66			
26	Ice Wind Load AZI 270	None					66			
27	Ice Wind Load AZI 300	None					66			
28	Ice Wind Load AZI 330	None					66			
29	Distr. Ice Wind Load Z	OL2						108		
30	Distr. Ice Wind Load X	OL3						108		
31	Seismic Load Z	ELZ			-.099		33			
32	Seismic Load X	ELX	-.099				33			
33	Service Live Loads	LL				3				
34	Maintenance Load 1	LL				1				
35	Maintenance Load 2	LL				1				
36	Maintenance Load 3	LL				1				
37	Maintenance Load 4	LL				1				

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
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	Maintenance Load 10	LL				1				
44	Maintenance Load 11	LL				1				
45	Maintenance Load 12	LL				1				
46	BLC 1 Transient Area Loads	None						120		
47	BLC 16 Transient Area Loads	None						120		

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 0	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												
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 0	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 +1.0...	Yes	Y		1	1.2	16	1	17	1	29	1	30											
28	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	18	1	29	.866	30	.5										
29	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	19	1	29	.5	30	.866										
30	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	20	1	29		30	1										
31	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	21	1	29	-.5	30	.866										
32	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	22	1	29	-.866	30	.5										
33	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	23	1	29	-1	30											
34	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	24	1	29	-.866	30	-.5										
35	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	25	1	29	-.5	30	-.866										
36	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	26	1	29		30	-1										
37	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	27	1	29	.5	30	-.866										
38	1.2D + 1.0Di +1.0...	Yes	Y		1	1.2	16	1	28	1	29	.866	30	-.5										
39	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	1	32															
40	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	.866	32	.5														
41	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	.5	32	.866														
42	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31		32	1														

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...
43	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	-.5	32	.866														
44	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	-.866	32	.5														
45	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	-1	32															
46	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	-.866	32	-.5														
47	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	-.5	32	-.866														
48	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31		32	-1														
49	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	.5	32	-.866														
50	(1.2 + 0.2Sds)DL ...	Yes	Y		1	1.239	31	.866	32	-.5														
51	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	1	32															
52	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	.866	32	.5														
53	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	.5	32	.866														
54	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31		32	1														
55	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	-.5	32	.866														
56	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	-.866	32	.5														
57	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	-1	32															
58	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	-.866	32	-.5														
59	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	-.5	32	-.866														
60	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31		32	-1														
61	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	.5	32	-.866														
62	(0.9 - 0.2Sds)DL ...	Yes	Y		1	.861	31	.866	32	-.5														
63	1.0DL + 1.5LL + 1...	Yes	Y		1	1	2	.213	14	.213	15		33	1.5										
64	1.0DL + 1.5LL + 1...	Yes	Y		1	1	3	.213	14	.184	15	.107	33	1.5										
65	1.0DL + 1.5LL + 1...	Yes	Y		1	1	4	.213	14	.107	15	.184	33	1.5										
66	1.0DL + 1.5LL + 1...	Yes	Y		1	1	5	.213	14		15	.213	33	1.5										
67	1.0DL + 1.5LL + 1...	Yes	Y		1	1	6	.213	14	-.107	15	.184	33	1.5										
68	1.0DL + 1.5LL + 1...	Yes	Y		1	1	7	.213	14	-.184	15	.107	33	1.5										
69	1.0DL + 1.5LL + 1...	Yes	Y		1	1	8	.213	14	-.213	15		33	1.5										
70	1.0DL + 1.5LL + 1...	Yes	Y		1	1	9	.213	14	-.184	15	-.107	33	1.5										
71	1.0DL + 1.5LL + 1...	Yes	Y		1	1	10	.213	14	-.107	15	-.184	33	1.5										
72	1.0DL + 1.5LL + 1...	Yes	Y		1	1	11	.213	14		15	-.213	33	1.5										
73	1.0DL + 1.5LL + 1...	Yes	Y		1	1	12	.213	14	.107	15	-.184	33	1.5										
74	1.0DL + 1.5LL + 1...	Yes	Y		1	1	13	.213	14	.184	15	-.107	33	1.5										
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	.053	14	.053	15											
77	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	3	.053	14	.046	15	.027										
78	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	4	.053	14	.027	15	.046										
79	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	5	.053	14		15	.053										
80	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	6	.053	14	-.027	15	.046										
81	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	7	.053	14	-.046	15	.027										
82	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	8	.053	14	-.053	15											
83	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	9	.053	14	-.046	15	-.027										
84	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	10	.053	14	-.027	15	-.046										
85	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	11	.053	14		15	-.053										
86	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	12	.053	14	.027	15	-.046										
87	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	34	1.5	13	.053	14	.046	15	-.027										
88	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	2	.053	14	.053	15											
89	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	3	.053	14	.046	15	.027										
90	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	4	.053	14	.027	15	.046										
91	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	5	.053	14		15	.053										
92	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	6	.053	14	-.027	15	.046										
93	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	7	.053	14	-.046	15	.027										
94	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	8	.053	14	-.053	15											
95	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	9	.053	14	-.046	15	-.027										
96	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	10	.053	14	-.027	15	-.046										
97	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	11	.053	14		15	-.053										
98	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	12	.053	14	.027	15	-.046										
99	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	35	1.5	13	.053	14	.046	15	-.027										

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...
100	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	2	.053	14	.053	15											
101	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	3	.053	14	.046	15	.027										
102	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	4	.053	14	.027	15	.046										
103	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	5	.053	14		15	.053										
104	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	6	.053	14	-.027	15	.046										
105	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	7	.053	14	-.046	15	.027										
106	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	8	.053	14	-.053	15											
107	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	9	.053	14	-.046	15	-.027										
108	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	10	.053	14	-.027	15	-.046										
109	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	11	.053	14		15	-.053										
110	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	12	.053	14	.027	15	-.046										
111	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	36	1.5	13	.053	14	.046	15	-.027										
112	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	2	.053	14	.053	15											
113	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	3	.053	14	.046	15	.027										
114	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	4	.053	14	.027	15	.046										
115	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	5	.053	14		15	.053										
116	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	6	.053	14	-.027	15	.046										
117	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	7	.053	14	-.046	15	.027										
118	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	8	.053	14	-.053	15											
119	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	9	.053	14	-.046	15	-.027										
120	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	10	.053	14	-.027	15	-.046										
121	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	11	.053	14		15	-.053										
122	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	12	.053	14	.027	15	-.046										
123	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	37	1.5	13	.053	14	.046	15	-.027										
124	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	2	.053	14	.053	15											
125	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	3	.053	14	.046	15	.027										
126	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	4	.053	14	.027	15	.046										
127	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	5	.053	14		15	.053										
128	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	6	.053	14	-.027	15	.046										
129	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	7	.053	14	-.046	15	.027										
130	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	8	.053	14	-.053	15											
131	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	9	.053	14	-.046	15	-.027										
132	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	10	.053	14	-.027	15	-.046										
133	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	11	.053	14		15	-.053										
134	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	12	.053	14	.027	15	-.046										
135	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	38	1.5	13	.053	14	.046	15	-.027										
136	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	2	.053	14	.053	15											
137	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	3	.053	14	.046	15	.027										
138	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	4	.053	14	.027	15	.046										
139	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	5	.053	14		15	.053										
140	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	6	.053	14	-.027	15	.046										
141	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	7	.053	14	-.046	15	.027										
142	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	8	.053	14	-.053	15											
143	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	9	.053	14	-.046	15	-.027										
144	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	10	.053	14	-.027	15	-.046										
145	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	11	.053	14		15	-.053										
146	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	12	.053	14	.027	15	-.046										
147	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	39	1.5	13	.053	14	.046	15	-.027										
148	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	2	.053	14	.053	15											
149	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	3	.053	14	.046	15	.027										
150	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	4	.053	14	.027	15	.046										
151	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	5	.053	14		15	.053										
152	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	6	.053	14	-.027	15	.046										
153	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	7	.053	14	-.046	15	.027										
154	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	8	.053	14	-.053	15											
155	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	9	.053	14	-.046	15	-.027										
156	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	10	.053	14	-.027	15	-.046										

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...
157	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	11	.053	14		15	-.053										
158	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	12	.053	14	.027	15	-.046										
159	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	40	1.5	13	.053	14	.046	15	-.027										
160	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	2	.053	14	.053	15											
161	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	3	.053	14	.046	15	.027										
162	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	4	.053	14	.027	15	.046										
163	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	5	.053	14		15	.053										
164	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	6	.053	14	-.027	15	.046										
165	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	7	.053	14	-.046	15	.027										
166	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	8	.053	14	-.053	15											
167	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	9	.053	14	-.046	15	-.027										
168	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	10	.053	14	-.027	15	-.046										
169	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	11	.053	14		15	-.053										
170	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	12	.053	14	.027	15	-.046										
171	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	41	1.5	13	.053	14	.046	15	-.027										
172	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	2	.053	14	.053	15											
173	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	3	.053	14	.046	15	.027										
174	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	4	.053	14	.027	15	.046										
175	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	5	.053	14		15	.053										
176	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	6	.053	14	-.027	15	.046										
177	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	7	.053	14	-.046	15	.027										
178	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	8	.053	14	-.053	15											
179	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	9	.053	14	-.046	15	-.027										
180	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	10	.053	14	-.027	15	-.046										
181	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	11	.053	14		15	-.053										
182	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	12	.053	14	.027	15	-.046										
183	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	42	1.5	13	.053	14	.046	15	-.027										
184	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	2	.053	14	.053	15											
185	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	3	.053	14	.046	15	.027										
186	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	4	.053	14	.027	15	.046										
187	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	5	.053	14		15	.053										
188	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	6	.053	14	-.027	15	.046										
189	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	7	.053	14	-.046	15	.027										
190	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	8	.053	14	-.053	15											
191	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	9	.053	14	-.046	15	-.027										
192	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	10	.053	14	-.027	15	-.046										
193	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	11	.053	14		15	-.053										
194	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	12	.053	14	.027	15	-.046										
195	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	43	1.5	13	.053	14	.046	15	-.027										
196	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	2	.053	14	.053	15											
197	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	3	.053	14	.046	15	.027										
198	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	4	.053	14	.027	15	.046										
199	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	5	.053	14		15	.053										
200	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	6	.053	14	-.027	15	.046										
201	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	7	.053	14	-.046	15	.027										
202	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	8	.053	14	-.053	15											
203	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	9	.053	14	-.046	15	-.027										
204	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	10	.053	14	-.027	15	-.046										
205	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	11	.053	14		15	-.053										
206	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	12	.053	14	.027	15	-.046										
207	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	44	1.5	13	.053	14	.046	15	-.027										
208	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	2	.053	14	.053	15											
209	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	3	.053	14	.046	15	.027										
210	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	4	.053	14	.027	15	.046										
211	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	5	.053	14		15	.053										
212	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	6	.053	14	-.027	15	.046										
213	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	7	.053	14	-.046	15	.027										

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...
214	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	8	.053	14	-.053	15									
215	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	9	.053	14	-.046	15	-.027								
216	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	10	.053	14	-.027	15	-.046								
217	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	11	.053	14		15	-.053								
218	1.2DL + 1.5LM-M...	Yes	Y		1	1.2	45	1.5	12	.053	14	.027	15	-.046								

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N163	max	1772.275	5	724.356	32	6015.15	2	.771	28	2.095	23	.59	22
2		min	-1740.037	23	153.538	25	-3840.264	20	.177	21	-2.138	5	-.79	4
3	N162	max	57.792	21	2062.757	27	581.606	20	.745	27	.285	11	.197	11
4		min	-93.96	3	-339.967	20	-3165.663	27	-.096	20	-.262	17	-.195	17
5	N164	max	396.212	24	2057.824	31	1613.74	31	.079	14	.235	3	.089	24
6		min	-2708.002	31	-286.852	24	-228.853	24	-.375	31	-.211	21	-.644	31
7	N165	max	4959.939	6	724.458	36	2468.9	25	.427	14	2.046	15	.122	21
8		min	-3093.188	24	164.07	17	-3582.795	7	-1.01	106	-2.089	9	-.896	137
9	N168	max	2756.304	35	2058.657	35	1532.819	35	.103	16	.23	7	.639	35
10		min	-436.703	16	-305.406	16	-220.273	16	-.398	10	-.206	25	-.062	15
11	N169	max	3276.732	16	725.985	28	1972.411	15	.508	25	2.011	19	1.016	206
12		min	-5174.973	10	153.707	21	-3031.222	9	-.807	93	-2.054	13	-.128	18
13	Totals:	max	6973.428	17	7893.366	37	7349.766	14						
14		min	-6973.429	23	2686.822	55	-7349.768	8						

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

	Member	Shape	Code Ch...	Loc[in]	LC	Shear C...	Loc.....		LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
1	MP3	PIPE_2.0	.646	27	2	.081	27		12	14916...	32130	1.872	1.872	...	H1-1b
2	MP11	PIPE_2.0	.635	27	6	.082	27		4	14916...	32130	1.872	1.872	...	H1-1b
3	MP7	PIPE_2.0	.631	27	10	.081	27		8	14916...	32130	1.872	1.872	...	H1-1b
4	M17	PIPE_2.0	.538	14.062	2	.338	4.6...		2	25978...	32130	1.872	1.872	1	H3-6
5	M30	PIPE_2.0	.531	14.063	6	.333	4.6...		6	25978...	32130	1.872	1.872	1	H3-6
6	M16	PIPE_2.0	.524	14.062	10	.331	4.6...		10	25978...	32130	1.872	1.872	1	H3-6
7	MP6	PIPE_2.0	.504	27	9	.122	27		4	14916...	32130	1.872	1.872	...	H1-1b
8	MP2	PIPE_2.0	.491	27	13	.126	27		8	14916...	32130	1.872	1.872	...	H1-1b
9	MP10	PIPE_2.0	.481	27	5	.124	27		12	14916...	32130	1.872	1.872	...	H1-1b
10	MP4	PIPE_2.0	.476	69	8	.234	69		8	14916...	32130	1.872	1.872	...	H1-1b
11	MP8	PIPE_2.0	.467	69	16	.230	69		4	14916...	32130	1.872	1.872	...	H1-1b
12	MP12	PIPE_2.0	.457	27	12	.234	69		12	14916...	32130	1.872	1.872	...	H1-1b
13	M34	L2.5x2.5x4	.455	0	2	.212	15....	y	2	36453...	38556	1.114	2.537	...	H2-1
14	M35	L2.5x2.5x4	.445	15.731	10	.207	0	z	10	36453...	38556	1.114	2.537	...	H2-1
15	M32	L2.5x2.5x4	.444	0	6	.209	15....	y	6	36453...	38556	1.114	2.537	...	H2-1
16	MP5	PIPE_2.0	.422	27	2	.145	27		3	14916...	32130	1.872	1.872	...	H1-1b
17	MP9	PIPE_2.0	.408	27	10	.138	27		11	14916...	32130	1.872	1.872	...	H1-1b
18	MP1	PIPE_2.0	.401	27	6	.142	27		7	14916...	32130	1.872	1.872	...	H1-1b
19	M63	L2x2x3	.251	51.353	7	.010	51....	y	8	9346....	23392.8	.558	1.226	...	H2-1
20	M33	PL6x.375	.247	2.704	11	.194	0	y	9	70544.2	72900	.57	9.113	...	H1-1b
21	M24	PL6x.375	.241	2.704	7	.186	0	y	5	70544.2	72900	.57	9.113	...	H1-1b
22	M51	PL6x.375	.240	2.704	3	.193	0	y	13	70544.2	72900	.57	9.113	...	H1-1b
23	M76	L2x2x3	.240	51.353	3	.009	0	z	37	9346....	23392.8	.558	1.206	...	H2-1
24	M70	L2x2x3	.239	51.353	11	.009	0	z	33	9346....	23392.8	.558	1.218	...	H2-1
25	M79	6"x1/2" Plate	.231	0	13	.096	0	y	174	92687...	97200	1.012	12.15	...	H1-1b
26	M58	6"x1/2" Plate	.230	0	9	.096	0	y	87	92686...	97200	1.012	12.15	...	H1-1b
27	M75	6"x1/2" Plate	.230	4.338	2	.107	4.3...	y	170	92685...	97200	1.012	12.15	...	H1-1b
28	M49	6"x1/2" Plate	.224	0	5	.097	4.3...	y	9	92686...	97200	1.012	12.15	...	H1-1b
29	M54	6"x1/2" Plate	.222	4.338	10	.107	4.3...	y	214	92686...	97200	1.012	12.15	...	H1-1b

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

	Member	Shape	Code Ch...	Loc[in]	LC	Shear C...	Loc.....		LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
30	M20	PL6x.375	.216	2.704	5	.190	0	y	12	70544.2	72900	.57	9.113	...	H1-1b
31	M45	6"x1/2" Plate	.214	4.338	6	.107	4.3...	y	114	92686...	97200	1.012	12.15	...	H1-1b
32	M73	L2x2x3	.211	51.353	9	.010	0	y	37	9346....	23392.8	.558	1.228	...	H2-1
33	M28	PL6x.375	.210	2.704	9	.190	0	y	4	70544.2	72900	.57	9.113	...	H1-1b
34	M31	PL6x.375	.208	2.75	5	.368	2.75	y	10	70465...	72900	.57	9.113	...	H1-1b
35	M80	PL6x.375	.207	2.75	9	.380	2.75	y	2	70464...	72900	.57	9.113	...	H1-1b
36	M15	PL6x.375	.206	2.704	13	.195	0	y	8	70544.2	72900	.57	9.113	...	H1-1b
37	M67	L2x2x3	.203	0	6	.010	0	y	33	9346.21	23392.8	.558	1.219	...	H2-1
38	M23	PL6x.375	.202	2.75	13	.364	2.75	y	6	70464...	72900	.57	9.113	...	H1-1b
39	M81	L2x2x3	.202	0	2	.010	0	y	29	9346.27	23392.8	.558	1.236	...	H2-1
40	M3	HSS4X4X4	.198	0	5	.135	0	z	4	10175...	106155	12.311	12.311	1	H1-1b
41	M69	6"x1/2" Plate	.196	2.704	2	.132	2.7...	y	5	95420...	97200	1.012	12.15	...	H1-1b
42	M1	HSS4X4X4	.195	0	9	.140	0	z	9	10175...	106155	12.311	12.311	1	H1-1b
43	M46	6"x1/2" Plate	.191	2.704	9	.138	2.7...	y	13	95420...	97200	1.012	12.15	...	H1-1b
44	M2	HSS4X4X4	.191	0	13	.138	0	z	13	10175...	106155	12.311	12.311	1	H1-1b
45	M37	6"x1/2" Plate	.185	2.704	5	.139	2.7...	y	9	95420...	97200	1.012	12.15	...	H1-1b
46	M62	6"x1/2" Plate	.178	2.704	8	.086	0	y	12	95420...	97200	1.012	12.15	...	H1-1b
47	M38	6"x1/2" Plate	.171	2.704	4	.085	0	y	214	95420...	97200	1.012	12.15	...	H1-1b
48	M27	PL6x.375	.171	2.75	11	.487	2.75	y	6	70464...	72900	.57	9.113	...	H1-1b
49	M77	L2.5x2.5x8	.170	48.765	9	.015	48....	z	9	42624...	73224	1.865	4.392	...	H2-1
50	M55	L2.5x2.5x8	.168	48.765	4	.014	48....	z	4	42624...	73224	1.865	4.392	...	H2-1
51	M89	L2.5x2.5x8	.165	48.765	13	.014	48....	z	13	42624...	73224	1.865	4.392	...	H2-1
52	M14	6"x1/2" Plate	.165	2.704	12	.085	0	y	3	95420...	97200	1.012	12.15	...	H1-1b
53	M36	PL6x.375	.161	2.75	3	.490	2.75	y	10	70464...	72900	.57	9.113	...	H1-1b
54	M59	PL6x.375	.158	2.75	7	.502	2.75	y	2	70464...	72900	.57	9.113	...	H1-1b
55	M60	HSS4X4X4	.145	0	3	.095	24....	z	4	10429...	106155	12.311	12.311	...	H1-1b
56	M52	HSS4X4X4	.142	0	11	.094	24....	z	12	10429...	106155	12.311	12.311	...	H1-1b
57	M43	HSS4X4X4	.142	0	7	.098	24....	z	8	10429...	106155	12.311	12.311	...	H1-1b
58	M61	L2.5x2.5x8	.139	48.765	11	.014	48....	y	4	42624...	73224	1.865	4.392	...	H2-1
59	M82	L2.5x2.5x8	.139	48.765	3	.015	48....	y	9	42624...	73224	1.865	4.392	...	H2-1
60	M90	L2.5x2.5x8	.139	48.765	7	.014	48....	y	13	42624...	73224	1.865	4.392	...	H2-1
61	M39	HSS4X4X4	.121	28.301	139	.083	4.1...	z	4	10429...	106155	12.311	12.311	...	H1-1b
62	M47	HSS4X4X4	.121	28.301	95	.086	4.1...	z	8	10429...	106155	12.311	12.311	...	H1-1b
63	M56	HSS4X4X4	.121	28.3	195	.082	4.1...	z	12	10429...	106155	12.311	12.311	...	H1-1b
64	M5	PIPE_3.0	.116	15.625	8	.163	143...		8	59302...	65205	5.749	5.749	1	H1-1b
65	M6	PIPE_3.0	.115	15.625	12	.156	143...		12	59302...	65205	5.749	5.749	1	H1-1b
66	M4	PIPE_3.0	.113	15.625	4	.159	143...		4	59302...	65205	5.749	5.749	1	H1-1b

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoffs	HSS4X4X4	Beam	None	Q235-GB	Typical	3.37	7.8	7.8	12.8
2	Horizontals	PIPE_3.0	Beam	None	Q235-GB	Typical	2.07	2.85	2.85	5.69
3	Platform Angle	L2x2x3	Beam	None	Q345	Typical	.722	.271	.271	.009
4	Mount Pipe	PIPE_2.0	Column	None	Q235-GB	Typical	1.02	.627	.627	1.25
5	Corner Plate	6"x1/2" Plate	Beam	None	Q345	Typical	3	.063	9	.237
6	Handrail Horizont...	PIPE_2.0	Beam	None	Q235-GB	Typical	1.02	.627	.627	1.25
7	Angle Handrail C...	L2.5x2.5x4	Beam	None	Q345	Typical	1.19	.692	.692	.026
8	Platform Braces	HSS4X4X4	Beam	None	Q235-GB	Typical	3.37	7.8	7.8	12.8
9	Connection Plates	PL6x.375	Beam	None	Q345	Typical	2.25	.026	6.75	.101
10	Kickers	L2.5x2.5x8	Beam	None	Q345	Typical	2.26	1.22	1.22	.188

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	M2						Yes				None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes				None
6	M6						Yes				None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	Default			None
15	M15						Yes	Default			None
16	M16						Yes				None
17	M17						Yes				None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	Default			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes				None
24	M24						Yes	Default			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes				None
28	M28						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30						Yes				None
31	M31						Yes				None
32	M32						Yes				None
33	M33						Yes	Default			None
34	M34						Yes				None
35	M35						Yes				None
36	M36						Yes	Default			None
37	M37						Yes	Default			None
38	M38						Yes	Default			None
39	M39				2		Yes	Default			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43			2			Yes	Default			None
44	M44						Yes	** NA **			None
45	M45				2		Yes				None
46	M46						Yes	Default			None
47	M47				2		Yes	Default			None
48	M48						Yes	** NA **			None
49	M49			2			Yes	Default			None
50	M50						Yes	** NA **			None
51	M51						Yes	Default			None
52	M52			2			Yes	Default			None
53	M53						Yes	** NA **			None
54	M54				2		Yes				None
55	M55						Yes				None
56	M56				2		Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
57	M57						Yes	** NA **			None
58	M58			2			Yes	Default			None
59	M59						Yes				None
60	M60			2			Yes	Default			None
61	M61						Yes				None
62	M62						Yes	Default			None
63	M63						Yes				None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes				None
68	M68						Yes	** NA **			None
69	M69						Yes	Default			None
70	M70						Yes				None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes	** NA **			None
75	M75				2		Yes				None
76	M76						Yes				None
77	M77						Yes				None
78	M78						Yes	** NA **			None
79	M79			2			Yes	Default			None
80	M80						Yes				None
81	M81						Yes				None
82	M82						Yes				None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes				None
90	M90						Yes				None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	MP1						Yes	** NA **			None
98	MP2						Yes	** NA **			None
99	MP3						Yes	** NA **			None
100	MP4						Yes	** NA **			None
101	MP5						Yes	** NA **			None
102	MP6						Yes	** NA **			None
103	MP7						Yes	** NA **			None
104	MP8						Yes	** NA **			None
105	MP9						Yes	** NA **			None
106	MP10						Yes	** NA **			None
107	MP11						Yes	** NA **			None
108	MP12						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[i...	Lbyy[in]	Lbzz[in]	Lcomp top[...	Lcomp bot[...	L-torque[i...	Kyy	Kzz	Cb	Functi...
1	M1	Standoffs	62.255	43.75	43.75	43.75	43.75	43.75				Lateral
2	M2	Standoffs	62.255	43.75	43.75	43.75	43.75	43.75				Lateral
3	M3	Standoffs	62.255	43.75	43.75	43.75	43.75	43.75				Lateral
4	M4	Horizontals	150	50.52	50.52	50.52	50.52	50.52				Lateral
5	M5	Horizontals	150	50.52	50.52	50.52	50.52	50.52				Lateral
6	M6	Horizontals	150	50.52	50.52	50.52	50.52	50.52				Lateral
7	M14	Corner Plate	2.704			Lbyy						Lateral
8	M15	Connection Plates	2.704									Lateral
9	M16	Handrail Horizon...	150	50.52	50.52	50.52	50.52	50.52				Lateral
10	M17	Handrail Horizon...	150	50.52	50.52	50.52	50.52	50.52				Lateral
11	M20	Connection Plates	2.704									Lateral
12	M23	Connection Plates	2.75			Lbyy						Lateral
13	M24	Connection Plates	2.704									Lateral
14	M27	Connection Plates	2.75			Lbyy						Lateral
15	M28	Connection Plates	2.704									Lateral
16	M30	Handrail Horizon...	150	50.52	50.52	50.52	50.52	50.52				Lateral
17	M31	Connection Plates	2.75			Lbyy						Lateral
18	M32	Angle Handrail ...	15.731			Lbyy						Lateral
19	M33	Connection Plates	2.704									Lateral
20	M34	Angle Handrail ...	15.731			Lbyy						Lateral
21	M35	Angle Handrail ...	15.731			Lbyy						Lateral
22	M36	Connection Plates	2.75			Lbyy						Lateral
23	M37	Corner Plate	2.704			Lbyy						Lateral
24	M38	Corner Plate	2.704			Lbyy						Lateral
25	M39	Standoffs	30.301			Lbyy						Lateral
26	M43	Standoffs	30.301			Lbyy						Lateral
27	M45	Corner Plate	6.338			Lbyy						Lateral
28	M46	Corner Plate	2.704			Lbyy						Lateral
29	M47	Standoffs	30.301			Lbyy						Lateral
30	M49	Corner Plate	6.338			Lbyy						Lateral
31	M51	Connection Plates	2.704									Lateral
32	M52	Standoffs	30.301			Lbyy						Lateral
33	M54	Corner Plate	6.338			Lbyy						Lateral
34	M55	Kickers	48.765			Lbyy						Lateral
35	M56	Standoffs	30.3			Lbyy						Lateral
36	M58	Corner Plate	6.338			Lbyy						Lateral
37	M59	Connection Plates	2.75			Lbyy						Lateral
38	M60	Standoffs	30.301			Lbyy						Lateral
39	M61	Kickers	48.765			Lbyy						Lateral
40	M62	Corner Plate	2.704			Lbyy						Lateral
41	M63	Platform Angle	51.353			Lbyy						Lateral
42	M67	Platform Angle	51.353			Lbyy						Lateral
43	M69	Corner Plate	2.704			Lbyy						Lateral
44	M70	Platform Angle	51.353			Lbyy						Lateral
45	M73	Platform Angle	51.353			Lbyy						Lateral
46	M75	Corner Plate	6.338			Lbyy						Lateral
47	M76	Platform Angle	51.353			Lbyy						Lateral
48	M77	Kickers	48.765			Lbyy						Lateral
49	M79	Corner Plate	6.338			Lbyy						Lateral
50	M80	Connection Plates	2.75			Lbyy						Lateral
51	M81	Platform Angle	51.353			Lbyy						Lateral
52	M82	Kickers	48.765			Lbyy						Lateral
53	M89	Kickers	48.765			Lbyy						Lateral
54	M90	Kickers	48.765			Lbyy						Lateral
55	MP1	Mount Pipe	96			Lbyy						Lateral
56	MP2	Mount Pipe	96			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[i...	Lbyy[in]	Lbzz[in]	Lcomp top[...	Lcomp bot[...	L-torque[i...	Kyy	Kzz	Cb	Functi...
57	MP3	Mount Pipe	96			Lbyy						Lateral
58	MP4	Mount Pipe	96			Lbyy						Lateral
59	MP5	Mount Pipe	96			Lbyy						Lateral
60	MP6	Mount Pipe	96			Lbyy						Lateral
61	MP7	Mount Pipe	96			Lbyy						Lateral
62	MP8	Mount Pipe	96			Lbyy						Lateral
63	MP9	Mount Pipe	96			Lbyy						Lateral
64	MP10	Mount Pipe	96			Lbyy						Lateral
65	MP11	Mount Pipe	96			Lbyy						Lateral
66	MP12	Mount Pipe	96			Lbyy						Lateral

Member Point Loads (BLC 1 : Self Weight)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	Y	-17.5	21
2	MP1	Y	-17.5	69
3	MP3	Y	-47.85	0
4	MP3	Y	-47.85	96
5	MP4	Y	-47.85	0
6	MP4	Y	-47.85	96
7	MP3	Y	-59.9	78
8	MP4	Y	-71	48
9	MP4	Y	-72	48
10	MP1	Y	-17.5	78
11	MP1	Y	-17.5	78
12	MP5	Y	-17.5	21
13	MP5	Y	-17.5	69
14	MP7	Y	-47.85	0
15	MP7	Y	-47.85	96
16	MP8	Y	-47.85	0
17	MP8	Y	-47.85	96
18	MP7	Y	-59.9	78
19	MP8	Y	-71	48
20	MP8	Y	-72	48
21	MP5	Y	-17.5	78
22	MP5	Y	-17.5	78
23	MP9	Y	-17.5	21
24	MP9	Y	-17.5	69
25	MP11	Y	-47.85	0
26	MP11	Y	-47.85	96
27	MP12	Y	-47.85	0
28	MP12	Y	-47.85	96
29	MP11	Y	-59.9	78
30	MP12	Y	-71	48
31	MP12	Y	-72	48
32	MP9	Y	-17.5	78
33	MP9	Y	-17.5	78

Member Point Loads (BLC 2 : Wind Load AZI_0)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	0	21
2	MP1	Z	-105.35	21
3	MP1	X	0	69
4	MP1	Z	-105.35	69
5	MP3	X	0	0
6	MP3	Z	-344.18	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
7	MP3	X	0	96
8	MP3	Z	-344.18	96
9	MP4	X	0	0
10	MP4	Z	-344.18	0
11	MP4	X	0	96
12	MP4	Z	-344.18	96
13	MP3	X	0	78
14	MP3	Z	-70.97	78
15	MP4	X	0	48
16	MP4	Z	-75.78	48
17	MP4	X	0	48
18	MP4	Z	-63.13	48
19	MP1	X	0	78
20	MP1	Z	-31.46	78
21	MP1	X	0	78
22	MP1	Z	-31.46	78
23	MP5	X	0	21
24	MP5	Z	-63.98	21
25	MP5	X	0	69
26	MP5	Z	-63.98	69
27	MP7	X	0	0
28	MP7	Z	-234	0
29	MP7	X	0	96
30	MP7	Z	-234	96
31	MP8	X	0	0
32	MP8	Z	-234	0
33	MP8	X	0	96
34	MP8	Z	-234	96
35	MP7	X	0	78
36	MP7	Z	-53.25	78
37	MP8	X	0	48
38	MP8	Z	-63.14	48
39	MP8	X	0	48
40	MP8	Z	-56.68	48
41	MP5	X	0	78
42	MP5	Z	-31.98	78
43	MP5	X	0	78
44	MP5	Z	-31.98	78
45	MP9	X	0	21
46	MP9	Z	-74.39	21
47	MP9	X	0	69
48	MP9	Z	-74.39	69
49	MP11	X	0	0
50	MP11	Z	-203.36	0
51	MP11	X	0	96
52	MP11	Z	-203.36	96
53	MP12	X	0	0
54	MP12	Z	-203.36	0
55	MP12	X	0	96
56	MP12	Z	-203.36	96
57	MP11	X	0	78
58	MP11	Z	-48.33	78
59	MP12	X	0	48
60	MP12	Z	-59.62	48
61	MP12	X	0	48
62	MP12	Z	-54.88	48
63	MP9	X	0	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
64	MP9	Z	-32.13	78
65	MP9	X	0	78
66	MP9	Z	-32.13	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-49.25	21
2	MP1	Z	-85.3	21
3	MP1	X	-49.25	69
4	MP1	Z	-85.3	69
5	MP3	X	-148.62	0
6	MP3	Z	-257.42	0
7	MP3	X	-148.62	96
8	MP3	Z	-257.42	96
9	MP4	X	-148.62	0
10	MP4	Z	-257.42	0
11	MP4	X	-148.62	96
12	MP4	Z	-257.42	96
13	MP3	X	-31.71	78
14	MP3	Z	-54.92	78
15	MP4	X	-35.2	48
16	MP4	Z	-60.97	48
17	MP4	X	-30.19	48
18	MP4	Z	-52.29	48
19	MP1	X	-15.84	78
20	MP1	Z	-27.44	78
21	MP1	X	-15.84	78
22	MP1	Z	-27.44	78
23	MP5	X	-44.04	21
24	MP5	Z	-76.29	21
25	MP5	X	-44.04	69
26	MP5	Z	-76.29	69
27	MP7	X	-161.11	0
28	MP7	Z	-279.04	0
29	MP7	X	-161.11	96
30	MP7	Z	-279.04	96
31	MP8	X	-161.11	0
32	MP8	Z	-279.04	0
33	MP8	X	-161.11	96
34	MP8	Z	-279.04	96
35	MP7	X	-33.72	78
36	MP7	Z	-58.4	78
37	MP8	X	-36.63	48
38	MP8	Z	-63.45	48
39	MP8	X	-30.92	48
40	MP8	Z	-53.56	48
41	MP5	X	-15.78	78
42	MP5	Z	-27.33	78
43	MP5	X	-15.78	78
44	MP5	Z	-27.33	78
45	MP9	X	-28.57	21
46	MP9	Z	-49.48	21
47	MP9	X	-28.57	69
48	MP9	Z	-49.48	69
49	MP11	X	-78.21	0
50	MP11	Z	-135.47	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
51	MP11	X	-78.21	96
52	MP11	Z	-135.47	96
53	MP12	X	-78.21	0
54	MP12	Z	-135.47	0
55	MP12	X	-78.21	96
56	MP12	Z	-135.47	96
57	MP11	X	-20.39	78
58	MP11	Z	-35.32	78
59	MP12	X	-27.12	48
60	MP12	Z	-46.97	48
61	MP12	X	-26.07	48
62	MP12	Z	-45.15	48
63	MP9	X	-16.18	78
64	MP9	Z	-28.02	78
65	MP9	X	-16.18	78
66	MP9	Z	-28.02	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-64.43	21
2	MP1	Z	-37.2	21
3	MP1	X	-64.43	69
4	MP1	Z	-37.2	69
5	MP3	X	-176.12	0
6	MP3	Z	-101.68	0
7	MP3	X	-176.12	96
8	MP3	Z	-101.68	96
9	MP4	X	-176.12	0
10	MP4	Z	-101.68	0
11	MP4	X	-176.12	96
12	MP4	Z	-101.68	96
13	MP3	X	-41.85	78
14	MP3	Z	-24.16	78
15	MP4	X	-51.64	48
16	MP4	Z	-29.81	48
17	MP4	X	-47.53	48
18	MP4	Z	-27.44	48
19	MP1	X	-27.83	78
20	MP1	Z	-16.07	78
21	MP1	X	-27.83	78
22	MP1	Z	-16.07	78
23	MP5	X	-91.23	21
24	MP5	Z	-52.67	21
25	MP5	X	-91.23	69
26	MP5	Z	-52.67	69
27	MP7	X	-293.16	0
28	MP7	Z	-169.26	0
29	MP7	X	-293.16	96
30	MP7	Z	-169.26	96
31	MP8	X	-293.16	0
32	MP8	Z	-169.26	0
33	MP8	X	-293.16	96
34	MP8	Z	-169.26	96
35	MP7	X	-60.67	78
36	MP7	Z	-35.03	78
37	MP8	X	-65.07	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
38	MP8	Z	-37.57	48
39	MP8	X	-54.39	48
40	MP8	Z	-31.4	48
41	MP5	X	-27.27	78
42	MP5	Z	-15.74	78
43	MP5	X	-27.27	78
44	MP5	Z	-15.74	78
45	MP9	X	-55.41	21
46	MP9	Z	-31.99	21
47	MP9	X	-55.41	69
48	MP9	Z	-31.99	69
49	MP11	X	-176.12	0
50	MP11	Z	-101.68	0
51	MP11	X	-176.12	96
52	MP11	Z	-101.68	96
53	MP12	X	-176.12	0
54	MP12	Z	-101.68	0
55	MP12	X	-176.12	96
56	MP12	Z	-101.68	96
57	MP11	X	-41.85	78
58	MP11	Z	-24.16	78
59	MP12	X	-51.64	48
60	MP12	Z	-29.81	48
61	MP12	X	-47.53	48
62	MP12	Z	-27.44	48
63	MP9	X	-27.83	78
64	MP9	Z	-16.07	78
65	MP9	X	-27.83	78
66	MP9	Z	-16.07	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-57.13	21
2	MP1	Z	0	21
3	MP1	X	-57.13	69
4	MP1	Z	0	69
5	MP3	X	-156.42	0
6	MP3	Z	0	0
7	MP3	X	-156.42	96
8	MP3	Z	0	96
9	MP4	X	-156.42	0
10	MP4	Z	0	0
11	MP4	X	-156.42	96
12	MP4	Z	0	96
13	MP3	X	-40.78	78
14	MP3	Z	0	78
15	MP4	X	-54.24	48
16	MP4	Z	0	48
17	MP4	X	-52.13	48
18	MP4	Z	0	48
19	MP1	X	-32.35	78
20	MP1	Z	0	78
21	MP1	X	-32.35	78
22	MP1	Z	0	78
23	MP5	X	-98.5	21
24	MP5	Z	0	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP5	X	-98.5	69
26	MP5	Z	0	69
27	MP7	X	-266.6	0
28	MP7	Z	0	0
29	MP7	X	-266.6	96
30	MP7	Z	0	96
31	MP8	X	-266.6	0
32	MP8	Z	0	0
33	MP8	X	-266.6	96
34	MP8	Z	0	96
35	MP7	X	-58.5	78
36	MP7	Z	0	78
37	MP8	X	-66.88	48
38	MP8	Z	0	48
39	MP8	X	-58.59	48
40	MP8	Z	0	48
41	MP5	X	-31.83	78
42	MP5	Z	0	78
43	MP5	X	-31.83	78
44	MP5	Z	0	78
45	MP9	X	-88.09	21
46	MP9	Z	0	21
47	MP9	X	-88.09	69
48	MP9	Z	0	69
49	MP11	X	-297.24	0
50	MP11	Z	0	0
51	MP11	X	-297.24	96
52	MP11	Z	0	96
53	MP12	X	-297.24	0
54	MP12	Z	0	0
55	MP12	X	-297.24	96
56	MP12	Z	0	96
57	MP11	X	-63.42	78
58	MP11	Z	0	78
59	MP12	X	-70.4	48
60	MP12	Z	0	48
61	MP12	X	-60.38	48
62	MP12	Z	0	48
63	MP9	X	-31.68	78
64	MP9	Z	0	78
65	MP9	X	-31.68	78
66	MP9	Z	0	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-55.41	21
2	MP1	Z	31.99	21
3	MP1	X	-55.41	69
4	MP1	Z	31.99	69
5	MP3	X	-176.12	0
6	MP3	Z	101.68	0
7	MP3	X	-176.12	96
8	MP3	Z	101.68	96
9	MP4	X	-176.12	0
10	MP4	Z	101.68	0
11	MP4	X	-176.12	96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
12	MP4	Z	101.68	96
13	MP3	X	-41.85	78
14	MP3	Z	24.16	78
15	MP4	X	-51.64	48
16	MP4	Z	29.81	48
17	MP4	X	-47.53	48
18	MP4	Z	27.44	48
19	MP1	X	-27.83	78
20	MP1	Z	16.07	78
21	MP1	X	-27.83	78
22	MP1	Z	16.07	78
23	MP5	X	-64.43	21
24	MP5	Z	37.2	21
25	MP5	X	-64.43	69
26	MP5	Z	37.2	69
27	MP7	X	-154.49	0
28	MP7	Z	89.19	0
29	MP7	X	-154.49	96
30	MP7	Z	89.19	96
31	MP8	X	-154.49	0
32	MP8	Z	89.19	0
33	MP8	X	-154.49	96
34	MP8	Z	89.19	96
35	MP7	X	-38.38	78
36	MP7	Z	22.16	78
37	MP8	X	-49.15	48
38	MP8	Z	28.38	48
39	MP8	X	-46.26	48
40	MP8	Z	26.71	48
41	MP5	X	-27.93	78
42	MP5	Z	16.12	78
43	MP5	X	-27.93	78
44	MP5	Z	16.12	78
45	MP9	X	-91.23	21
46	MP9	Z	52.67	21
47	MP9	X	-91.23	69
48	MP9	Z	52.67	69
49	MP11	X	-298.07	0
50	MP11	Z	172.09	0
51	MP11	X	-298.07	96
52	MP11	Z	172.09	96
53	MP12	X	-298.07	0
54	MP12	Z	172.09	0
55	MP12	X	-298.07	96
56	MP12	Z	172.09	96
57	MP11	X	-61.46	78
58	MP11	Z	35.48	78
59	MP12	X	-65.63	48
60	MP12	Z	37.89	48
61	MP12	X	-54.67	48
62	MP12	Z	31.57	48
63	MP9	X	-27.24	78
64	MP9	Z	15.73	78
65	MP9	X	-27.24	78
66	MP9	Z	15.73	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-44.04	21
2	MP1	Z	76.29	21
3	MP1	X	-44.04	69
4	MP1	Z	76.29	69
5	MP3	X	-148.62	0
6	MP3	Z	257.42	0
7	MP3	X	-148.62	96
8	MP3	Z	257.42	96
9	MP4	X	-148.62	0
10	MP4	Z	257.42	0
11	MP4	X	-148.62	96
12	MP4	Z	257.42	96
13	MP3	X	-31.71	78
14	MP3	Z	54.92	78
15	MP4	X	-35.2	48
16	MP4	Z	60.97	48
17	MP4	X	-30.19	48
18	MP4	Z	52.29	48
19	MP1	X	-15.84	78
20	MP1	Z	27.44	78
21	MP1	X	-15.84	78
22	MP1	Z	27.44	78
23	MP5	X	-28.57	21
24	MP5	Z	49.48	21
25	MP5	X	-28.57	69
26	MP5	Z	49.48	69
27	MP7	X	-81.04	0
28	MP7	Z	140.37	0
29	MP7	X	-81.04	96
30	MP7	Z	140.37	96
31	MP8	X	-81.04	0
32	MP8	Z	140.37	0
33	MP8	X	-81.04	96
34	MP8	Z	140.37	96
35	MP7	X	-20.85	78
36	MP7	Z	36.11	78
37	MP8	X	-27.44	48
38	MP8	Z	47.53	48
39	MP8	X	-26.23	48
40	MP8	Z	45.43	48
41	MP5	X	-16.16	78
42	MP5	Z	28	78
43	MP5	X	-16.16	78
44	MP5	Z	28	78
45	MP9	X	-49.25	21
46	MP9	Z	85.3	21
47	MP9	X	-49.25	69
48	MP9	Z	85.3	69
49	MP11	X	-148.62	0
50	MP11	Z	257.42	0
51	MP11	X	-148.62	96
52	MP11	Z	257.42	96
53	MP12	X	-148.62	0
54	MP12	Z	257.42	0
55	MP12	X	-148.62	96
56	MP12	Z	257.42	96
57	MP11	X	-31.71	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP11	Z	54.92	78
59	MP12	X	-35.2	48
60	MP12	Z	60.97	48
61	MP12	X	-30.19	48
62	MP12	Z	52.29	48
63	MP9	X	-15.84	78
64	MP9	Z	27.44	78
65	MP9	X	-15.84	78
66	MP9	Z	27.44	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	0	21
2	MP1	Z	105.35	21
3	MP1	X	0	69
4	MP1	Z	105.35	69
5	MP3	X	0	0
6	MP3	Z	344.18	0
7	MP3	X	0	96
8	MP3	Z	344.18	96
9	MP4	X	0	0
10	MP4	Z	344.18	0
11	MP4	X	0	96
12	MP4	Z	344.18	96
13	MP3	X	0	78
14	MP3	Z	70.97	78
15	MP4	X	0	48
16	MP4	Z	75.78	48
17	MP4	X	0	48
18	MP4	Z	63.13	48
19	MP1	X	0	78
20	MP1	Z	31.46	78
21	MP1	X	0	78
22	MP1	Z	31.46	78
23	MP5	X	0	21
24	MP5	Z	63.98	21
25	MP5	X	0	69
26	MP5	Z	63.98	69
27	MP7	X	0	0
28	MP7	Z	234	0
29	MP7	X	0	96
30	MP7	Z	234	96
31	MP8	X	0	0
32	MP8	Z	234	0
33	MP8	X	0	96
34	MP8	Z	234	96
35	MP7	X	0	78
36	MP7	Z	53.25	78
37	MP8	X	0	48
38	MP8	Z	63.14	48
39	MP8	X	0	48
40	MP8	Z	56.68	48
41	MP5	X	0	78
42	MP5	Z	31.98	78
43	MP5	X	0	78
44	MP5	Z	31.98	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP9	X	0	21
46	MP9	Z	74.39	21
47	MP9	X	0	69
48	MP9	Z	74.39	69
49	MP11	X	0	0
50	MP11	Z	203.36	0
51	MP11	X	0	96
52	MP11	Z	203.36	96
53	MP12	X	0	0
54	MP12	Z	203.36	0
55	MP12	X	0	96
56	MP12	Z	203.36	96
57	MP11	X	0	78
58	MP11	Z	48.33	78
59	MP12	X	0	48
60	MP12	Z	59.62	48
61	MP12	X	0	48
62	MP12	Z	54.88	48
63	MP9	X	0	78
64	MP9	Z	32.13	78
65	MP9	X	0	78
66	MP9	Z	32.13	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	49.25	21
2	MP1	Z	85.3	21
3	MP1	X	49.25	69
4	MP1	Z	85.3	69
5	MP3	X	148.62	0
6	MP3	Z	257.42	0
7	MP3	X	148.62	96
8	MP3	Z	257.42	96
9	MP4	X	148.62	0
10	MP4	Z	257.42	0
11	MP4	X	148.62	96
12	MP4	Z	257.42	96
13	MP3	X	31.71	78
14	MP3	Z	54.92	78
15	MP4	X	35.2	48
16	MP4	Z	60.97	48
17	MP4	X	30.19	48
18	MP4	Z	52.29	48
19	MP1	X	15.84	78
20	MP1	Z	27.44	78
21	MP1	X	15.84	78
22	MP1	Z	27.44	78
23	MP5	X	44.04	21
24	MP5	Z	76.29	21
25	MP5	X	44.04	69
26	MP5	Z	76.29	69
27	MP7	X	161.11	0
28	MP7	Z	279.04	0
29	MP7	X	161.11	96
30	MP7	Z	279.04	96
31	MP8	X	161.11	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
32	MP8	Z	279.04	0
33	MP8	X	161.11	96
34	MP8	Z	279.04	96
35	MP7	X	33.72	78
36	MP7	Z	58.4	78
37	MP8	X	36.63	48
38	MP8	Z	63.45	48
39	MP8	X	30.92	48
40	MP8	Z	53.56	48
41	MP5	X	15.78	78
42	MP5	Z	27.33	78
43	MP5	X	15.78	78
44	MP5	Z	27.33	78
45	MP9	X	28.57	21
46	MP9	Z	49.48	21
47	MP9	X	28.57	69
48	MP9	Z	49.48	69
49	MP11	X	78.21	0
50	MP11	Z	135.47	0
51	MP11	X	78.21	96
52	MP11	Z	135.47	96
53	MP12	X	78.21	0
54	MP12	Z	135.47	0
55	MP12	X	78.21	96
56	MP12	Z	135.47	96
57	MP11	X	20.39	78
58	MP11	Z	35.32	78
59	MP12	X	27.12	48
60	MP12	Z	46.97	48
61	MP12	X	26.07	48
62	MP12	Z	45.15	48
63	MP9	X	16.18	78
64	MP9	Z	28.02	78
65	MP9	X	16.18	78
66	MP9	Z	28.02	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	64.43	21
2	MP1	Z	37.2	21
3	MP1	X	64.43	69
4	MP1	Z	37.2	69
5	MP3	X	176.12	0
6	MP3	Z	101.68	0
7	MP3	X	176.12	96
8	MP3	Z	101.68	96
9	MP4	X	176.12	0
10	MP4	Z	101.68	0
11	MP4	X	176.12	96
12	MP4	Z	101.68	96
13	MP3	X	41.85	78
14	MP3	Z	24.16	78
15	MP4	X	51.64	48
16	MP4	Z	29.81	48
17	MP4	X	47.53	48
18	MP4	Z	27.44	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
19	MP1	X	27.83	78
20	MP1	Z	16.07	78
21	MP1	X	27.83	78
22	MP1	Z	16.07	78
23	MP5	X	91.23	21
24	MP5	Z	52.67	21
25	MP5	X	91.23	69
26	MP5	Z	52.67	69
27	MP7	X	293.16	0
28	MP7	Z	169.26	0
29	MP7	X	293.16	96
30	MP7	Z	169.26	96
31	MP8	X	293.16	0
32	MP8	Z	169.26	0
33	MP8	X	293.16	96
34	MP8	Z	169.26	96
35	MP7	X	60.67	78
36	MP7	Z	35.03	78
37	MP8	X	65.07	48
38	MP8	Z	37.57	48
39	MP8	X	54.39	48
40	MP8	Z	31.4	48
41	MP5	X	27.27	78
42	MP5	Z	15.74	78
43	MP5	X	27.27	78
44	MP5	Z	15.74	78
45	MP9	X	55.41	21
46	MP9	Z	31.99	21
47	MP9	X	55.41	69
48	MP9	Z	31.99	69
49	MP11	X	176.12	0
50	MP11	Z	101.68	0
51	MP11	X	176.12	96
52	MP11	Z	101.68	96
53	MP12	X	176.12	0
54	MP12	Z	101.68	0
55	MP12	X	176.12	96
56	MP12	Z	101.68	96
57	MP11	X	41.85	78
58	MP11	Z	24.16	78
59	MP12	X	51.64	48
60	MP12	Z	29.81	48
61	MP12	X	47.53	48
62	MP12	Z	27.44	48
63	MP9	X	27.83	78
64	MP9	Z	16.07	78
65	MP9	X	27.83	78
66	MP9	Z	16.07	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	57.13	21
2	MP1	Z	0	21
3	MP1	X	57.13	69
4	MP1	Z	0	69
5	MP3	X	156.42	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP3	Z	0	0
7	MP3	X	156.42	96
8	MP3	Z	0	96
9	MP4	X	156.42	0
10	MP4	Z	0	0
11	MP4	X	156.42	96
12	MP4	Z	0	96
13	MP3	X	40.78	78
14	MP3	Z	0	78
15	MP4	X	54.24	48
16	MP4	Z	0	48
17	MP4	X	52.13	48
18	MP4	Z	0	48
19	MP1	X	32.35	78
20	MP1	Z	0	78
21	MP1	X	32.35	78
22	MP1	Z	0	78
23	MP5	X	98.5	21
24	MP5	Z	0	21
25	MP5	X	98.5	69
26	MP5	Z	0	69
27	MP7	X	266.6	0
28	MP7	Z	0	0
29	MP7	X	266.6	96
30	MP7	Z	0	96
31	MP8	X	266.6	0
32	MP8	Z	0	0
33	MP8	X	266.6	96
34	MP8	Z	0	96
35	MP7	X	58.5	78
36	MP7	Z	0	78
37	MP8	X	66.88	48
38	MP8	Z	0	48
39	MP8	X	58.59	48
40	MP8	Z	0	48
41	MP5	X	31.83	78
42	MP5	Z	0	78
43	MP5	X	31.83	78
44	MP5	Z	0	78
45	MP9	X	88.09	21
46	MP9	Z	0	21
47	MP9	X	88.09	69
48	MP9	Z	0	69
49	MP11	X	297.24	0
50	MP11	Z	0	0
51	MP11	X	297.24	96
52	MP11	Z	0	96
53	MP12	X	297.24	0
54	MP12	Z	0	0
55	MP12	X	297.24	96
56	MP12	Z	0	96
57	MP11	X	63.42	78
58	MP11	Z	0	78
59	MP12	X	70.4	48
60	MP12	Z	0	48
61	MP12	X	60.38	48
62	MP12	Z	0	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP9	X	31.68	78
64	MP9	Z	0	78
65	MP9	X	31.68	78
66	MP9	Z	0	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	55.41	21
2	MP1	Z	-31.99	21
3	MP1	X	55.41	69
4	MP1	Z	-31.99	69
5	MP3	X	176.12	0
6	MP3	Z	-101.68	0
7	MP3	X	176.12	96
8	MP3	Z	-101.68	96
9	MP4	X	176.12	0
10	MP4	Z	-101.68	0
11	MP4	X	176.12	96
12	MP4	Z	-101.68	96
13	MP3	X	41.85	78
14	MP3	Z	-24.16	78
15	MP4	X	51.64	48
16	MP4	Z	-29.81	48
17	MP4	X	47.53	48
18	MP4	Z	-27.44	48
19	MP1	X	27.83	78
20	MP1	Z	-16.07	78
21	MP1	X	27.83	78
22	MP1	Z	-16.07	78
23	MP5	X	64.43	21
24	MP5	Z	-37.2	21
25	MP5	X	64.43	69
26	MP5	Z	-37.2	69
27	MP7	X	154.49	0
28	MP7	Z	-89.19	0
29	MP7	X	154.49	96
30	MP7	Z	-89.19	96
31	MP8	X	154.49	0
32	MP8	Z	-89.19	0
33	MP8	X	154.49	96
34	MP8	Z	-89.19	96
35	MP7	X	38.38	78
36	MP7	Z	-22.16	78
37	MP8	X	49.15	48
38	MP8	Z	-28.38	48
39	MP8	X	46.26	48
40	MP8	Z	-26.71	48
41	MP5	X	27.93	78
42	MP5	Z	-16.12	78
43	MP5	X	27.93	78
44	MP5	Z	-16.12	78
45	MP9	X	91.23	21
46	MP9	Z	-52.67	21
47	MP9	X	91.23	69
48	MP9	Z	-52.67	69
49	MP11	X	298.07	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
50	MP11	Z	-172.09	0
51	MP11	X	298.07	96
52	MP11	Z	-172.09	96
53	MP12	X	298.07	0
54	MP12	Z	-172.09	0
55	MP12	X	298.07	96
56	MP12	Z	-172.09	96
57	MP11	X	61.46	78
58	MP11	Z	-35.48	78
59	MP12	X	65.63	48
60	MP12	Z	-37.89	48
61	MP12	X	54.67	48
62	MP12	Z	-31.57	48
63	MP9	X	27.24	78
64	MP9	Z	-15.73	78
65	MP9	X	27.24	78
66	MP9	Z	-15.73	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	44.04	21
2	MP1	Z	-76.29	21
3	MP1	X	44.04	69
4	MP1	Z	-76.29	69
5	MP3	X	148.62	0
6	MP3	Z	-257.42	0
7	MP3	X	148.62	96
8	MP3	Z	-257.42	96
9	MP4	X	148.62	0
10	MP4	Z	-257.42	0
11	MP4	X	148.62	96
12	MP4	Z	-257.42	96
13	MP3	X	31.71	78
14	MP3	Z	-54.92	78
15	MP4	X	35.2	48
16	MP4	Z	-60.97	48
17	MP4	X	30.19	48
18	MP4	Z	-52.29	48
19	MP1	X	15.84	78
20	MP1	Z	-27.44	78
21	MP1	X	15.84	78
22	MP1	Z	-27.44	78
23	MP5	X	28.57	21
24	MP5	Z	-49.48	21
25	MP5	X	28.57	69
26	MP5	Z	-49.48	69
27	MP7	X	81.04	0
28	MP7	Z	-140.37	0
29	MP7	X	81.04	96
30	MP7	Z	-140.37	96
31	MP8	X	81.04	0
32	MP8	Z	-140.37	0
33	MP8	X	81.04	96
34	MP8	Z	-140.37	96
35	MP7	X	20.85	78
36	MP7	Z	-36.11	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
37	MP8	X	27.44	48
38	MP8	Z	-47.53	48
39	MP8	X	26.23	48
40	MP8	Z	-45.43	48
41	MP5	X	16.16	78
42	MP5	Z	-28	78
43	MP5	X	16.16	78
44	MP5	Z	-28	78
45	MP9	X	49.25	21
46	MP9	Z	-85.3	21
47	MP9	X	49.25	69
48	MP9	Z	-85.3	69
49	MP11	X	148.62	0
50	MP11	Z	-257.42	0
51	MP11	X	148.62	96
52	MP11	Z	-257.42	96
53	MP12	X	148.62	0
54	MP12	Z	-257.42	0
55	MP12	X	148.62	96
56	MP12	Z	-257.42	96
57	MP11	X	31.71	78
58	MP11	Z	-54.92	78
59	MP12	X	35.2	48
60	MP12	Z	-60.97	48
61	MP12	X	30.19	48
62	MP12	Z	-52.29	48
63	MP9	X	15.84	78
64	MP9	Z	-27.44	78
65	MP9	X	15.84	78
66	MP9	Z	-27.44	78

Member Point Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	Y	-40.929	21
2	MP1	Y	-40.929	69
3	MP3	Y	-117.866	0
4	MP3	Y	-117.866	96
5	MP4	Y	-117.866	0
6	MP4	Y	-117.866	96
7	MP3	Y	-40.281	78
8	MP4	Y	-46.588	48
9	MP4	Y	-44.352	48
10	MP1	Y	-23.68	78
11	MP1	Y	-23.68	78
12	MP5	Y	-40.929	21
13	MP5	Y	-40.929	69
14	MP7	Y	-117.866	0
15	MP7	Y	-117.866	96
16	MP8	Y	-117.866	0
17	MP8	Y	-117.866	96
18	MP7	Y	-40.281	78
19	MP8	Y	-46.588	48
20	MP8	Y	-44.352	48
21	MP5	Y	-23.68	78
22	MP5	Y	-23.68	78
23	MP9	Y	-40.929	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
24	MP9	Y	-40.929	69
25	MP11	Y	-117.866	0
26	MP11	Y	-117.866	96
27	MP12	Y	-117.866	0
28	MP12	Y	-117.866	96
29	MP11	Y	-40.281	78
30	MP12	Y	-46.588	48
31	MP12	Y	-44.352	48
32	MP9	Y	-23.68	78
33	MP9	Y	-23.68	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	0	21
2	MP1	Z	-9.39	21
3	MP1	X	0	69
4	MP1	Z	-9.39	69
5	MP3	X	0	0
6	MP3	Z	-24.12	0
7	MP3	X	0	96
8	MP3	Z	-24.12	96
9	MP4	X	0	0
10	MP4	Z	-24.12	0
11	MP4	X	0	96
12	MP4	Z	-24.12	96
13	MP3	X	0	78
14	MP3	Z	-6.3	78
15	MP4	X	0	48
16	MP4	Z	-6.72	48
17	MP4	X	0	48
18	MP4	Z	-5.72	48
19	MP1	X	0	78
20	MP1	Z	-4.17	78
21	MP1	X	0	78
22	MP1	Z	-4.17	78
23	MP5	X	0	21
24	MP5	Z	-7.17	21
25	MP5	X	0	69
26	MP5	Z	-7.17	69
27	MP7	X	0	0
28	MP7	Z	-19.36	0
29	MP7	X	0	96
30	MP7	Z	-19.36	96
31	MP8	X	0	0
32	MP8	Z	-19.36	0
33	MP8	X	0	96
34	MP8	Z	-19.36	96
35	MP7	X	0	78
36	MP7	Z	-5.53	78
37	MP8	X	0	48
38	MP8	Z	-6.2	48
39	MP8	X	0	48
40	MP8	Z	-5.46	48
41	MP5	X	0	78
42	MP5	Z	-4.2	78
43	MP5	X	0	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
44	MP5	Z	-4.2	78
45	MP9	X	0	21
46	MP9	Z	-7.73	21
47	MP9	X	0	69
48	MP9	Z	-7.73	69
49	MP11	X	0	0
50	MP11	Z	-18.04	0
51	MP11	X	0	96
52	MP11	Z	-18.04	96
53	MP12	X	0	0
54	MP12	Z	-18.04	0
55	MP12	X	0	96
56	MP12	Z	-18.04	96
57	MP11	X	0	78
58	MP11	Z	-5.32	78
59	MP12	X	0	48
60	MP12	Z	-6.05	48
61	MP12	X	0	48
62	MP12	Z	-5.38	48
63	MP9	X	0	78
64	MP9	Z	-4.2	78
65	MP9	X	0	78
66	MP9	Z	-4.2	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-4.51	21
2	MP1	Z	-7.81	21
3	MP1	X	-4.51	69
4	MP1	Z	-7.81	69
5	MP3	X	-11.05	0
6	MP3	Z	-19.13	0
7	MP3	X	-11.05	96
8	MP3	Z	-19.13	96
9	MP4	X	-11.05	0
10	MP4	Z	-19.13	0
11	MP4	X	-11.05	96
12	MP4	Z	-19.13	96
13	MP3	X	-2.99	78
14	MP3	Z	-5.17	78
15	MP4	X	-3.25	48
16	MP4	Z	-5.63	48
17	MP4	X	-2.8	48
18	MP4	Z	-4.86	48
19	MP1	X	-2.09	78
20	MP1	Z	-3.62	78
21	MP1	X	-2.09	78
22	MP1	Z	-3.62	78
23	MP5	X	-4.23	21
24	MP5	Z	-7.33	21
25	MP5	X	-4.23	69
26	MP5	Z	-7.33	69
27	MP7	X	-11.58	0
28	MP7	Z	-20.07	0
29	MP7	X	-11.58	96
30	MP7	Z	-20.07	96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP8	X	-11.58	0
32	MP8	Z	-20.07	0
33	MP8	X	-11.58	96
34	MP8	Z	-20.07	96
35	MP7	X	-3.07	78
36	MP7	Z	-5.32	78
37	MP8	X	-3.31	48
38	MP8	Z	-5.73	48
39	MP8	X	-2.84	48
40	MP8	Z	-4.91	48
41	MP5	X	-2.09	78
42	MP5	Z	-3.61	78
43	MP5	X	-2.09	78
44	MP5	Z	-3.61	78
45	MP9	X	-3.4	21
46	MP9	Z	-5.9	21
47	MP9	X	-3.4	69
48	MP9	Z	-5.9	69
49	MP11	X	-8.01	0
50	MP11	Z	-13.87	0
51	MP11	X	-8.01	96
52	MP11	Z	-13.87	96
53	MP12	X	-8.01	0
54	MP12	Z	-13.87	0
55	MP12	X	-8.01	96
56	MP12	Z	-13.87	96
57	MP11	X	-2.5	78
58	MP11	Z	-4.32	78
59	MP12	X	-2.91	48
60	MP12	Z	-5.05	48
61	MP12	X	-2.63	48
62	MP12	Z	-4.56	48
63	MP9	X	-2.11	78
64	MP9	Z	-3.65	78
65	MP9	X	-2.11	78
66	MP9	Z	-3.65	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-6.69	21
2	MP1	Z	-3.87	21
3	MP1	X	-6.69	69
4	MP1	Z	-3.87	69
5	MP3	X	-15.62	0
6	MP3	Z	-9.02	0
7	MP3	X	-15.62	96
8	MP3	Z	-9.02	96
9	MP4	X	-15.62	0
10	MP4	Z	-9.02	0
11	MP4	X	-15.62	96
12	MP4	Z	-9.02	96
13	MP3	X	-4.61	78
14	MP3	Z	-2.66	78
15	MP4	X	-5.24	48
16	MP4	Z	-3.02	48
17	MP4	X	-4.66	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP4	Z	-2.69	48
19	MP1	X	-3.64	78
20	MP1	Z	-2.1	78
21	MP1	X	-3.64	78
22	MP1	Z	-2.1	78
23	MP5	X	-8.13	21
24	MP5	Z	-4.69	21
25	MP5	X	-8.13	69
26	MP5	Z	-4.69	69
27	MP7	X	-20.67	0
28	MP7	Z	-11.94	0
29	MP7	X	-20.67	96
30	MP7	Z	-11.94	96
31	MP8	X	-20.67	0
32	MP8	Z	-11.94	0
33	MP8	X	-20.67	96
34	MP8	Z	-11.94	96
35	MP7	X	-5.42	78
36	MP7	Z	-3.13	78
37	MP8	X	-5.8	48
38	MP8	Z	-3.35	48
39	MP8	X	-4.94	48
40	MP8	Z	-2.85	48
41	MP5	X	-3.61	78
42	MP5	Z	-2.08	78
43	MP5	X	-3.61	78
44	MP5	Z	-2.08	78
45	MP9	X	-6.21	21
46	MP9	Z	-3.59	21
47	MP9	X	-6.21	69
48	MP9	Z	-3.59	69
49	MP11	X	-15.62	0
50	MP11	Z	-9.02	0
51	MP11	X	-15.62	96
52	MP11	Z	-9.02	96
53	MP12	X	-15.62	0
54	MP12	Z	-9.02	0
55	MP12	X	-15.62	96
56	MP12	Z	-9.02	96
57	MP11	X	-4.61	78
58	MP11	Z	-2.66	78
59	MP12	X	-5.24	48
60	MP12	Z	-3.02	48
61	MP12	X	-4.66	48
62	MP12	Z	-2.69	48
63	MP9	X	-3.64	78
64	MP9	Z	-2.1	78
65	MP9	X	-3.64	78
66	MP9	Z	-2.1	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-6.81	21
2	MP1	Z	0	21
3	MP1	X	-6.81	69
4	MP1	Z	0	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP3	X	-16.01	0
6	MP3	Z	0	0
7	MP3	X	-16.01	96
8	MP3	Z	0	96
9	MP4	X	-16.01	0
10	MP4	Z	0	0
11	MP4	X	-16.01	96
12	MP4	Z	0	96
13	MP3	X	-4.99	78
14	MP3	Z	0	78
15	MP4	X	-5.83	48
16	MP4	Z	0	48
17	MP4	X	-5.27	48
18	MP4	Z	0	48
19	MP1	X	-4.21	78
20	MP1	Z	0	78
21	MP1	X	-4.21	78
22	MP1	Z	0	78
23	MP5	X	-9.02	21
24	MP5	Z	0	21
25	MP5	X	-9.02	69
26	MP5	Z	0	69
27	MP7	X	-20.77	0
28	MP7	Z	0	0
29	MP7	X	-20.77	96
30	MP7	Z	0	96
31	MP8	X	-20.77	0
32	MP8	Z	0	0
33	MP8	X	-20.77	96
34	MP8	Z	0	96
35	MP7	X	-5.76	78
36	MP7	Z	0	78
37	MP8	X	-6.35	48
38	MP8	Z	0	48
39	MP8	X	-5.54	48
40	MP8	Z	0	48
41	MP5	X	-4.19	78
42	MP5	Z	0	78
43	MP5	X	-4.19	78
44	MP5	Z	0	78
45	MP9	X	-8.46	21
46	MP9	Z	0	21
47	MP9	X	-8.46	69
48	MP9	Z	0	69
49	MP11	X	-22.09	0
50	MP11	Z	0	0
51	MP11	X	-22.09	96
52	MP11	Z	0	96
53	MP12	X	-22.09	0
54	MP12	Z	0	0
55	MP12	X	-22.09	96
56	MP12	Z	0	96
57	MP11	X	-5.97	78
58	MP11	Z	0	78
59	MP12	X	-6.5	48
60	MP12	Z	0	48
61	MP12	X	-5.61	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
62	MP12	Z	0	48
63	MP9	X	-4.18	78
64	MP9	Z	0	78
65	MP9	X	-4.18	78
66	MP9	Z	0	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-6.21	21
2	MP1	Z	3.59	21
3	MP1	X	-6.21	69
4	MP1	Z	3.59	69
5	MP3	X	-15.62	0
6	MP3	Z	9.02	0
7	MP3	X	-15.62	96
8	MP3	Z	9.02	96
9	MP4	X	-15.62	0
10	MP4	Z	9.02	0
11	MP4	X	-15.62	96
12	MP4	Z	9.02	96
13	MP3	X	-4.61	78
14	MP3	Z	2.66	78
15	MP4	X	-5.24	48
16	MP4	Z	3.02	48
17	MP4	X	-4.66	48
18	MP4	Z	2.69	48
19	MP1	X	-3.64	78
20	MP1	Z	2.1	78
21	MP1	X	-3.64	78
22	MP1	Z	2.1	78
23	MP5	X	-6.69	21
24	MP5	Z	3.87	21
25	MP5	X	-6.69	69
26	MP5	Z	3.87	69
27	MP7	X	-14.69	0
28	MP7	Z	8.48	0
29	MP7	X	-14.69	96
30	MP7	Z	8.48	96
31	MP8	X	-14.69	0
32	MP8	Z	8.48	0
33	MP8	X	-14.69	96
34	MP8	Z	8.48	96
35	MP7	X	-4.45	78
36	MP7	Z	2.57	78
37	MP8	X	-5.14	48
38	MP8	Z	2.97	48
39	MP8	X	-4.61	48
40	MP8	Z	2.66	48
41	MP5	X	-3.65	78
42	MP5	Z	2.1	78
43	MP5	X	-3.65	78
44	MP5	Z	2.1	78
45	MP9	X	-8.13	21
46	MP9	Z	4.69	21
47	MP9	X	-8.13	69
48	MP9	Z	4.69	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
49	MP11	X	-20.89	0
50	MP11	Z	12.06	0
51	MP11	X	-20.89	96
52	MP11	Z	12.06	96
53	MP12	X	-20.89	0
54	MP12	Z	12.06	0
55	MP12	X	-20.89	96
56	MP12	Z	12.06	96
57	MP11	X	-5.45	78
58	MP11	Z	3.15	78
59	MP12	X	-5.82	48
60	MP12	Z	3.36	48
61	MP12	X	-4.96	48
62	MP12	Z	2.86	48
63	MP9	X	-3.61	78
64	MP9	Z	2.08	78
65	MP9	X	-3.61	78
66	MP9	Z	2.08	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-4.23	21
2	MP1	Z	7.33	21
3	MP1	X	-4.23	69
4	MP1	Z	7.33	69
5	MP3	X	-11.05	0
6	MP3	Z	19.13	0
7	MP3	X	-11.05	96
8	MP3	Z	19.13	96
9	MP4	X	-11.05	0
10	MP4	Z	19.13	0
11	MP4	X	-11.05	96
12	MP4	Z	19.13	96
13	MP3	X	-2.99	78
14	MP3	Z	5.17	78
15	MP4	X	-3.25	48
16	MP4	Z	5.63	48
17	MP4	X	-2.8	48
18	MP4	Z	4.86	48
19	MP1	X	-2.09	78
20	MP1	Z	3.62	78
21	MP1	X	-2.09	78
22	MP1	Z	3.62	78
23	MP5	X	-3.4	21
24	MP5	Z	5.9	21
25	MP5	X	-3.4	69
26	MP5	Z	5.9	69
27	MP7	X	-8.13	0
28	MP7	Z	14.08	0
29	MP7	X	-8.13	96
30	MP7	Z	14.08	96
31	MP8	X	-8.13	0
32	MP8	Z	14.08	0
33	MP8	X	-8.13	96
34	MP8	Z	14.08	96
35	MP7	X	-2.52	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP7	Z	4.36	78
37	MP8	X	-2.93	48
38	MP8	Z	5.07	48
39	MP8	X	-2.64	48
40	MP8	Z	4.57	48
41	MP5	X	-2.11	78
42	MP5	Z	3.65	78
43	MP5	X	-2.11	78
44	MP5	Z	3.65	78
45	MP9	X	-4.51	21
46	MP9	Z	7.81	21
47	MP9	X	-4.51	69
48	MP9	Z	7.81	69
49	MP11	X	-11.05	0
50	MP11	Z	19.13	0
51	MP11	X	-11.05	96
52	MP11	Z	19.13	96
53	MP12	X	-11.05	0
54	MP12	Z	19.13	0
55	MP12	X	-11.05	96
56	MP12	Z	19.13	96
57	MP11	X	-2.99	78
58	MP11	Z	5.17	78
59	MP12	X	-3.25	48
60	MP12	Z	5.63	48
61	MP12	X	-2.8	48
62	MP12	Z	4.86	48
63	MP9	X	-2.09	78
64	MP9	Z	3.62	78
65	MP9	X	-2.09	78
66	MP9	Z	3.62	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	0	21
2	MP1	Z	9.39	21
3	MP1	X	0	69
4	MP1	Z	9.39	69
5	MP3	X	0	0
6	MP3	Z	24.12	0
7	MP3	X	0	96
8	MP3	Z	24.12	96
9	MP4	X	0	0
10	MP4	Z	24.12	0
11	MP4	X	0	96
12	MP4	Z	24.12	96
13	MP3	X	0	78
14	MP3	Z	6.3	78
15	MP4	X	0	48
16	MP4	Z	6.72	48
17	MP4	X	0	48
18	MP4	Z	5.72	48
19	MP1	X	0	78
20	MP1	Z	4.17	78
21	MP1	X	0	78
22	MP1	Z	4.17	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
23	MP5	X	0	21
24	MP5	Z	7.17	21
25	MP5	X	0	69
26	MP5	Z	7.17	69
27	MP7	X	0	0
28	MP7	Z	19.36	0
29	MP7	X	0	96
30	MP7	Z	19.36	96
31	MP8	X	0	0
32	MP8	Z	19.36	0
33	MP8	X	0	96
34	MP8	Z	19.36	96
35	MP7	X	0	78
36	MP7	Z	5.53	78
37	MP8	X	0	48
38	MP8	Z	6.2	48
39	MP8	X	0	48
40	MP8	Z	5.46	48
41	MP5	X	0	78
42	MP5	Z	4.2	78
43	MP5	X	0	78
44	MP5	Z	4.2	78
45	MP9	X	0	21
46	MP9	Z	7.73	21
47	MP9	X	0	69
48	MP9	Z	7.73	69
49	MP11	X	0	0
50	MP11	Z	18.04	0
51	MP11	X	0	96
52	MP11	Z	18.04	96
53	MP12	X	0	0
54	MP12	Z	18.04	0
55	MP12	X	0	96
56	MP12	Z	18.04	96
57	MP11	X	0	78
58	MP11	Z	5.32	78
59	MP12	X	0	48
60	MP12	Z	6.05	48
61	MP12	X	0	48
62	MP12	Z	5.38	48
63	MP9	X	0	78
64	MP9	Z	4.2	78
65	MP9	X	0	78
66	MP9	Z	4.2	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	4.51	21
2	MP1	Z	7.81	21
3	MP1	X	4.51	69
4	MP1	Z	7.81	69
5	MP3	X	11.05	0
6	MP3	Z	19.13	0
7	MP3	X	11.05	96
8	MP3	Z	19.13	96
9	MP4	X	11.05	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	MP4	Z	19.13	0
11	MP4	X	11.05	96
12	MP4	Z	19.13	96
13	MP3	X	2.99	78
14	MP3	Z	5.17	78
15	MP4	X	3.25	48
16	MP4	Z	5.63	48
17	MP4	X	2.8	48
18	MP4	Z	4.86	48
19	MP1	X	2.09	78
20	MP1	Z	3.62	78
21	MP1	X	2.09	78
22	MP1	Z	3.62	78
23	MP5	X	4.23	21
24	MP5	Z	7.33	21
25	MP5	X	4.23	69
26	MP5	Z	7.33	69
27	MP7	X	11.58	0
28	MP7	Z	20.07	0
29	MP7	X	11.58	96
30	MP7	Z	20.07	96
31	MP8	X	11.58	0
32	MP8	Z	20.07	0
33	MP8	X	11.58	96
34	MP8	Z	20.07	96
35	MP7	X	3.07	78
36	MP7	Z	5.32	78
37	MP8	X	3.31	48
38	MP8	Z	5.73	48
39	MP8	X	2.84	48
40	MP8	Z	4.91	48
41	MP5	X	2.09	78
42	MP5	Z	3.61	78
43	MP5	X	2.09	78
44	MP5	Z	3.61	78
45	MP9	X	3.4	21
46	MP9	Z	5.9	21
47	MP9	X	3.4	69
48	MP9	Z	5.9	69
49	MP11	X	8.01	0
50	MP11	Z	13.87	0
51	MP11	X	8.01	96
52	MP11	Z	13.87	96
53	MP12	X	8.01	0
54	MP12	Z	13.87	0
55	MP12	X	8.01	96
56	MP12	Z	13.87	96
57	MP11	X	2.5	78
58	MP11	Z	4.32	78
59	MP12	X	2.91	48
60	MP12	Z	5.05	48
61	MP12	X	2.63	48
62	MP12	Z	4.56	48
63	MP9	X	2.11	78
64	MP9	Z	3.65	78
65	MP9	X	2.11	78
66	MP9	Z	3.65	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	6.69	21
2	MP1	Z	3.87	21
3	MP1	X	6.69	69
4	MP1	Z	3.87	69
5	MP3	X	15.62	0
6	MP3	Z	9.02	0
7	MP3	X	15.62	96
8	MP3	Z	9.02	96
9	MP4	X	15.62	0
10	MP4	Z	9.02	0
11	MP4	X	15.62	96
12	MP4	Z	9.02	96
13	MP3	X	4.61	78
14	MP3	Z	2.66	78
15	MP4	X	5.24	48
16	MP4	Z	3.02	48
17	MP4	X	4.66	48
18	MP4	Z	2.69	48
19	MP1	X	3.64	78
20	MP1	Z	2.1	78
21	MP1	X	3.64	78
22	MP1	Z	2.1	78
23	MP5	X	8.13	21
24	MP5	Z	4.69	21
25	MP5	X	8.13	69
26	MP5	Z	4.69	69
27	MP7	X	20.67	0
28	MP7	Z	11.94	0
29	MP7	X	20.67	96
30	MP7	Z	11.94	96
31	MP8	X	20.67	0
32	MP8	Z	11.94	0
33	MP8	X	20.67	96
34	MP8	Z	11.94	96
35	MP7	X	5.42	78
36	MP7	Z	3.13	78
37	MP8	X	5.8	48
38	MP8	Z	3.35	48
39	MP8	X	4.94	48
40	MP8	Z	2.85	48
41	MP5	X	3.61	78
42	MP5	Z	2.08	78
43	MP5	X	3.61	78
44	MP5	Z	2.08	78
45	MP9	X	6.21	21
46	MP9	Z	3.59	21
47	MP9	X	6.21	69
48	MP9	Z	3.59	69
49	MP11	X	15.62	0
50	MP11	Z	9.02	0
51	MP11	X	15.62	96
52	MP11	Z	9.02	96
53	MP12	X	15.62	0
54	MP12	Z	9.02	0
55	MP12	X	15.62	96
56	MP12	Z	9.02	96
57	MP11	X	4.61	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP11	Z	2.66	78
59	MP12	X	5.24	48
60	MP12	Z	3.02	48
61	MP12	X	4.66	48
62	MP12	Z	2.69	48
63	MP9	X	3.64	78
64	MP9	Z	2.1	78
65	MP9	X	3.64	78
66	MP9	Z	2.1	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	6.81	21
2	MP1	Z	0	21
3	MP1	X	6.81	69
4	MP1	Z	0	69
5	MP3	X	16.01	0
6	MP3	Z	0	0
7	MP3	X	16.01	96
8	MP3	Z	0	96
9	MP4	X	16.01	0
10	MP4	Z	0	0
11	MP4	X	16.01	96
12	MP4	Z	0	96
13	MP3	X	4.99	78
14	MP3	Z	0	78
15	MP4	X	5.83	48
16	MP4	Z	0	48
17	MP4	X	5.27	48
18	MP4	Z	0	48
19	MP1	X	4.21	78
20	MP1	Z	0	78
21	MP1	X	4.21	78
22	MP1	Z	0	78
23	MP5	X	9.02	21
24	MP5	Z	0	21
25	MP5	X	9.02	69
26	MP5	Z	0	69
27	MP7	X	20.77	0
28	MP7	Z	0	0
29	MP7	X	20.77	96
30	MP7	Z	0	96
31	MP8	X	20.77	0
32	MP8	Z	0	0
33	MP8	X	20.77	96
34	MP8	Z	0	96
35	MP7	X	5.76	78
36	MP7	Z	0	78
37	MP8	X	6.35	48
38	MP8	Z	0	48
39	MP8	X	5.54	48
40	MP8	Z	0	48
41	MP5	X	4.19	78
42	MP5	Z	0	78
43	MP5	X	4.19	78
44	MP5	Z	0	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP9	X	8.46	21
46	MP9	Z	0	21
47	MP9	X	8.46	69
48	MP9	Z	0	69
49	MP11	X	22.09	0
50	MP11	Z	0	0
51	MP11	X	22.09	96
52	MP11	Z	0	96
53	MP12	X	22.09	0
54	MP12	Z	0	0
55	MP12	X	22.09	96
56	MP12	Z	0	96
57	MP11	X	5.97	78
58	MP11	Z	0	78
59	MP12	X	6.5	48
60	MP12	Z	0	48
61	MP12	X	5.61	48
62	MP12	Z	0	48
63	MP9	X	4.18	78
64	MP9	Z	0	78
65	MP9	X	4.18	78
66	MP9	Z	0	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	6.21	21
2	MP1	Z	-3.59	21
3	MP1	X	6.21	69
4	MP1	Z	-3.59	69
5	MP3	X	15.62	0
6	MP3	Z	-9.02	0
7	MP3	X	15.62	96
8	MP3	Z	-9.02	96
9	MP4	X	15.62	0
10	MP4	Z	-9.02	0
11	MP4	X	15.62	96
12	MP4	Z	-9.02	96
13	MP3	X	4.61	78
14	MP3	Z	-2.66	78
15	MP4	X	5.24	48
16	MP4	Z	-3.02	48
17	MP4	X	4.66	48
18	MP4	Z	-2.69	48
19	MP1	X	3.64	78
20	MP1	Z	-2.1	78
21	MP1	X	3.64	78
22	MP1	Z	-2.1	78
23	MP5	X	6.69	21
24	MP5	Z	-3.87	21
25	MP5	X	6.69	69
26	MP5	Z	-3.87	69
27	MP7	X	14.69	0
28	MP7	Z	-8.48	0
29	MP7	X	14.69	96
30	MP7	Z	-8.48	96
31	MP8	X	14.69	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
32	MP8	Z	-8.48	0
33	MP8	X	14.69	96
34	MP8	Z	-8.48	96
35	MP7	X	4.45	78
36	MP7	Z	-2.57	78
37	MP8	X	5.14	48
38	MP8	Z	-2.97	48
39	MP8	X	4.61	48
40	MP8	Z	-2.66	48
41	MP5	X	3.65	78
42	MP5	Z	-2.1	78
43	MP5	X	3.65	78
44	MP5	Z	-2.1	78
45	MP9	X	8.13	21
46	MP9	Z	-4.69	21
47	MP9	X	8.13	69
48	MP9	Z	-4.69	69
49	MP11	X	20.89	0
50	MP11	Z	-12.06	0
51	MP11	X	20.89	96
52	MP11	Z	-12.06	96
53	MP12	X	20.89	0
54	MP12	Z	-12.06	0
55	MP12	X	20.89	96
56	MP12	Z	-12.06	96
57	MP11	X	5.45	78
58	MP11	Z	-3.15	78
59	MP12	X	5.82	48
60	MP12	Z	-3.36	48
61	MP12	X	4.96	48
62	MP12	Z	-2.86	48
63	MP9	X	3.61	78
64	MP9	Z	-2.08	78
65	MP9	X	3.61	78
66	MP9	Z	-2.08	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	4.23	21
2	MP1	Z	-7.33	21
3	MP1	X	4.23	69
4	MP1	Z	-7.33	69
5	MP3	X	11.05	0
6	MP3	Z	-19.13	0
7	MP3	X	11.05	96
8	MP3	Z	-19.13	96
9	MP4	X	11.05	0
10	MP4	Z	-19.13	0
11	MP4	X	11.05	96
12	MP4	Z	-19.13	96
13	MP3	X	2.99	78
14	MP3	Z	-5.17	78
15	MP4	X	3.25	48
16	MP4	Z	-5.63	48
17	MP4	X	2.8	48
18	MP4	Z	-4.86	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
19	MP1	X	2.09	78
20	MP1	Z	-3.62	78
21	MP1	X	2.09	78
22	MP1	Z	-3.62	78
23	MP5	X	3.4	21
24	MP5	Z	-5.9	21
25	MP5	X	3.4	69
26	MP5	Z	-5.9	69
27	MP7	X	8.13	0
28	MP7	Z	-14.08	0
29	MP7	X	8.13	96
30	MP7	Z	-14.08	96
31	MP8	X	8.13	0
32	MP8	Z	-14.08	0
33	MP8	X	8.13	96
34	MP8	Z	-14.08	96
35	MP7	X	2.52	78
36	MP7	Z	-4.36	78
37	MP8	X	2.93	48
38	MP8	Z	-5.07	48
39	MP8	X	2.64	48
40	MP8	Z	-4.57	48
41	MP5	X	2.11	78
42	MP5	Z	-3.65	78
43	MP5	X	2.11	78
44	MP5	Z	-3.65	78
45	MP9	X	4.51	21
46	MP9	Z	-7.81	21
47	MP9	X	4.51	69
48	MP9	Z	-7.81	69
49	MP11	X	11.05	0
50	MP11	Z	-19.13	0
51	MP11	X	11.05	96
52	MP11	Z	-19.13	96
53	MP12	X	11.05	0
54	MP12	Z	-19.13	0
55	MP12	X	11.05	96
56	MP12	Z	-19.13	96
57	MP11	X	2.99	78
58	MP11	Z	-5.17	78
59	MP12	X	3.25	48
60	MP12	Z	-5.63	48
61	MP12	X	2.8	48
62	MP12	Z	-4.86	48
63	MP9	X	2.09	78
64	MP9	Z	-3.62	78
65	MP9	X	2.09	78
66	MP9	Z	-3.62	78

Member Point Loads (BLC 31 : Seismic Load Z)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	Z	-1.727	21
2	MP1	Z	-1.727	69
3	MP3	Z	-4.721	0
4	MP3	Z	-4.721	96
5	MP4	Z	-4.721	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP4	Z	-4.721	96
7	MP3	Z	-5.91	78
8	MP4	Z	-7.005	48
9	MP4	Z	-7.104	48
10	MP1	Z	-1.727	78
11	MP1	Z	-1.727	78
12	MP5	Z	-1.727	21
13	MP5	Z	-1.727	69
14	MP7	Z	-4.721	0
15	MP7	Z	-4.721	96
16	MP8	Z	-4.721	0
17	MP8	Z	-4.721	96
18	MP7	Z	-5.91	78
19	MP8	Z	-7.005	48
20	MP8	Z	-7.104	48
21	MP5	Z	-1.727	78
22	MP5	Z	-1.727	78
23	MP9	Z	-1.727	21
24	MP9	Z	-1.727	69
25	MP11	Z	-4.721	0
26	MP11	Z	-4.721	96
27	MP12	Z	-4.721	0
28	MP12	Z	-4.721	96
29	MP11	Z	-5.91	78
30	MP12	Z	-7.005	48
31	MP12	Z	-7.104	48
32	MP9	Z	-1.727	78
33	MP9	Z	-1.727	78

Member Point Loads (BLC 32 : Seismic Load X)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1	X	-1.727	21
2	MP1	X	-1.727	69
3	MP3	X	-4.721	0
4	MP3	X	-4.721	96
5	MP4	X	-4.721	0
6	MP4	X	-4.721	96
7	MP3	X	-5.91	78
8	MP4	X	-7.005	48
9	MP4	X	-7.104	48
10	MP1	X	-1.727	78
11	MP1	X	-1.727	78
12	MP5	X	-1.727	21
13	MP5	X	-1.727	69
14	MP7	X	-4.721	0
15	MP7	X	-4.721	96
16	MP8	X	-4.721	0
17	MP8	X	-4.721	96
18	MP7	X	-5.91	78
19	MP8	X	-7.005	48
20	MP8	X	-7.104	48
21	MP5	X	-1.727	78
22	MP5	X	-1.727	78
23	MP9	X	-1.727	21
24	MP9	X	-1.727	69
25	MP11	X	-4.721	0

Member Point Loads (BLC 32 : Seismic Load X) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP11	X	-4.721	96
27	MP12	X	-4.721	0
28	MP12	X	-4.721	96
29	MP11	X	-5.91	78
30	MP12	X	-7.005	48
31	MP12	X	-7.104	48
32	MP9	X	-1.727	78
33	MP9	X	-1.727	78

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
1	M1	SZ	-85.595	-85.595	0	%100
2	M2	SZ	-85.595	-85.595	0	%100
3	M3	SZ	-85.595	-85.595	0	%100
4	M4	SZ	-51.357	-51.357	0	%100
5	M5	SZ	-51.357	-51.357	0	%100
6	M6	SZ	-51.357	-51.357	0	%100
7	M7	SZ	0	0	0	%100
8	M8	SZ	0	0	0	%100
9	M9	SZ	0	0	0	%100
10	M10	SZ	0	0	0	%100
11	M11	SZ	0	0	0	%100
12	M12	SZ	0	0	0	%100
13	M13	SZ	0	0	0	%100
14	M14	SZ	-85.595	-85.595	0	%100
15	M15	SZ	-85.595	-85.595	0	%100
16	M16	SZ	-51.357	-51.357	0	%100
17	M17	SZ	-51.357	-51.357	0	%100
18	M18	SZ	0	0	0	%100
19	M19	SZ	0	0	0	%100
20	M20	SZ	-85.595	-85.595	0	%100
21	M21	SZ	0	0	0	%100
22	M22	SZ	0	0	0	%100
23	M23	SZ	-85.595	-85.595	0	%100
24	M24	SZ	-85.595	-85.595	0	%100
25	M25	SZ	0	0	0	%100
26	M26	SZ	0	0	0	%100
27	M27	SZ	-85.595	-85.595	0	%100
28	M28	SZ	-85.595	-85.595	0	%100
29	M29	SZ	0	0	0	%100
30	M30	SZ	-51.357	-51.357	0	%100
31	M31	SZ	-85.595	-85.595	0	%100
32	M32	SZ	-85.595	-85.595	0	%100
33	M33	SZ	-85.595	-85.595	0	%100
34	M34	SZ	-85.595	-85.595	0	%100
35	M35	SZ	-85.595	-85.595	0	%100
36	M36	SZ	-85.595	-85.595	0	%100
37	M37	SZ	-85.595	-85.595	0	%100
38	M38	SZ	-85.595	-85.595	0	%100
39	M39	SZ	-85.595	-85.595	0	%100
40	M40	SZ	0	0	0	%100
41	M41	SZ	0	0	0	%100
42	M42	SZ	0	0	0	%100
43	M43	SZ	-85.595	-85.595	0	%100
44	M44	SZ	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
45	M45	SZ	-85.595	-85.595	0	%100
46	M46	SZ	-85.595	-85.595	0	%100
47	M47	SZ	-85.595	-85.595	0	%100
48	M48	SZ	0	0	0	%100
49	M49	SZ	-85.595	-85.595	0	%100
50	M50	SZ	0	0	0	%100
51	M51	SZ	-85.595	-85.595	0	%100
52	M52	SZ	-85.595	-85.595	0	%100
53	M53	SZ	0	0	0	%100
54	M54	SZ	-85.595	-85.595	0	%100
55	M55	SZ	-85.595	-85.595	0	%100
56	M56	SZ	-85.595	-85.595	0	%100
57	M57	SZ	0	0	0	%100
58	M58	SZ	-85.595	-85.595	0	%100
59	M59	SZ	-85.595	-85.595	0	%100
60	M60	SZ	-85.595	-85.595	0	%100
61	M61	SZ	-85.595	-85.595	0	%100
62	M62	SZ	-85.595	-85.595	0	%100
63	M63	SZ	-85.595	-85.595	0	%100
64	M64	SZ	0	0	0	%100
65	M65	SZ	0	0	0	%100
66	M66	SZ	0	0	0	%100
67	M67	SZ	-85.595	-85.595	0	%100
68	M68	SZ	0	0	0	%100
69	M69	SZ	-85.595	-85.595	0	%100
70	M70	SZ	-85.595	-85.595	0	%100
71	M71	SZ	0	0	0	%100
72	M72	SZ	0	0	0	%100
73	M73	SZ	-85.595	-85.595	0	%100
74	M74	SZ	0	0	0	%100
75	M75	SZ	-85.595	-85.595	0	%100
76	M76	SZ	-85.595	-85.595	0	%100
77	M77	SZ	-85.595	-85.595	0	%100
78	M78	SZ	0	0	0	%100
79	M79	SZ	-85.595	-85.595	0	%100
80	M80	SZ	-85.595	-85.595	0	%100
81	M81	SZ	-85.595	-85.595	0	%100
82	M82	SZ	-85.595	-85.595	0	%100
83	M83	SZ	0	0	0	%100
84	M84	SZ	0	0	0	%100
85	M85	SZ	0	0	0	%100
86	M86	SZ	0	0	0	%100
87	M87	SZ	0	0	0	%100
88	M88	SZ	0	0	0	%100
89	M89	SZ	-85.595	-85.595	0	%100
90	M90	SZ	-85.595	-85.595	0	%100
91	M91	SZ	0	0	0	%100
92	M92	SZ	0	0	0	%100
93	M93	SZ	0	0	0	%100
94	M94	SZ	0	0	0	%100
95	M95	SZ	0	0	0	%100
96	M96	SZ	0	0	0	%100
97	MP1	SZ	-51.357	-51.357	0	%100
98	MP2	SZ	-51.357	-51.357	0	%100
99	MP3	SZ	-51.357	-51.357	0	%100
100	MP4	SZ	-51.357	-51.357	0	%100
101	MP5	SZ	-51.357	-51.357	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
102	MP6	SZ	-51.357	-51.357	0	%100
103	MP7	SZ	-51.357	-51.357	0	%100
104	MP8	SZ	-51.357	-51.357	0	%100
105	MP9	SZ	-51.357	-51.357	0	%100
106	MP10	SZ	-51.357	-51.357	0	%100
107	MP11	SZ	-51.357	-51.357	0	%100
108	MP12	SZ	-51.357	-51.357	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
1	M1	SX	-85.595	-85.595	0	%100
2	M2	SX	-85.595	-85.595	0	%100
3	M3	SX	-85.595	-85.595	0	%100
4	M4	SX	-51.357	-51.357	0	%100
5	M5	SX	-51.357	-51.357	0	%100
6	M6	SX	-51.357	-51.357	0	%100
7	M7	SX	0	0	0	%100
8	M8	SX	0	0	0	%100
9	M9	SX	0	0	0	%100
10	M10	SX	0	0	0	%100
11	M11	SX	0	0	0	%100
12	M12	SX	0	0	0	%100
13	M13	SX	0	0	0	%100
14	M14	SX	-85.595	-85.595	0	%100
15	M15	SX	-85.595	-85.595	0	%100
16	M16	SX	-51.357	-51.357	0	%100
17	M17	SX	-51.357	-51.357	0	%100
18	M18	SX	0	0	0	%100
19	M19	SX	0	0	0	%100
20	M20	SX	-85.595	-85.595	0	%100
21	M21	SX	0	0	0	%100
22	M22	SX	0	0	0	%100
23	M23	SX	-85.595	-85.595	0	%100
24	M24	SX	-85.595	-85.595	0	%100
25	M25	SX	0	0	0	%100
26	M26	SX	0	0	0	%100
27	M27	SX	-85.595	-85.595	0	%100
28	M28	SX	-85.595	-85.595	0	%100
29	M29	SX	0	0	0	%100
30	M30	SX	-51.357	-51.357	0	%100
31	M31	SX	-85.595	-85.595	0	%100
32	M32	SX	-85.595	-85.595	0	%100
33	M33	SX	-85.595	-85.595	0	%100
34	M34	SX	-85.595	-85.595	0	%100
35	M35	SX	-85.595	-85.595	0	%100
36	M36	SX	-85.595	-85.595	0	%100
37	M37	SX	-85.595	-85.595	0	%100
38	M38	SX	-85.595	-85.595	0	%100
39	M39	SX	-85.595	-85.595	0	%100
40	M40	SX	0	0	0	%100
41	M41	SX	0	0	0	%100
42	M42	SX	0	0	0	%100
43	M43	SX	-85.595	-85.595	0	%100
44	M44	SX	0	0	0	%100
45	M45	SX	-85.595	-85.595	0	%100
46	M46	SX	-85.595	-85.595	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
47	M47	SX	-85.595	-85.595	0	%100
48	M48	SX	0	0	0	%100
49	M49	SX	-85.595	-85.595	0	%100
50	M50	SX	0	0	0	%100
51	M51	SX	-85.595	-85.595	0	%100
52	M52	SX	-85.595	-85.595	0	%100
53	M53	SX	0	0	0	%100
54	M54	SX	-85.595	-85.595	0	%100
55	M55	SX	-85.595	-85.595	0	%100
56	M56	SX	-85.595	-85.595	0	%100
57	M57	SX	0	0	0	%100
58	M58	SX	-85.595	-85.595	0	%100
59	M59	SX	-85.595	-85.595	0	%100
60	M60	SX	-85.595	-85.595	0	%100
61	M61	SX	-85.595	-85.595	0	%100
62	M62	SX	-85.595	-85.595	0	%100
63	M63	SX	-85.595	-85.595	0	%100
64	M64	SX	0	0	0	%100
65	M65	SX	0	0	0	%100
66	M66	SX	0	0	0	%100
67	M67	SX	-85.595	-85.595	0	%100
68	M68	SX	0	0	0	%100
69	M69	SX	-85.595	-85.595	0	%100
70	M70	SX	-85.595	-85.595	0	%100
71	M71	SX	0	0	0	%100
72	M72	SX	0	0	0	%100
73	M73	SX	-85.595	-85.595	0	%100
74	M74	SX	0	0	0	%100
75	M75	SX	-85.595	-85.595	0	%100
76	M76	SX	-85.595	-85.595	0	%100
77	M77	SX	-85.595	-85.595	0	%100
78	M78	SX	0	0	0	%100
79	M79	SX	-85.595	-85.595	0	%100
80	M80	SX	-85.595	-85.595	0	%100
81	M81	SX	-85.595	-85.595	0	%100
82	M82	SX	-85.595	-85.595	0	%100
83	M83	SX	0	0	0	%100
84	M84	SX	0	0	0	%100
85	M85	SX	0	0	0	%100
86	M86	SX	0	0	0	%100
87	M87	SX	0	0	0	%100
88	M88	SX	0	0	0	%100
89	M89	SX	-85.595	-85.595	0	%100
90	M90	SX	-85.595	-85.595	0	%100
91	M91	SX	0	0	0	%100
92	M92	SX	0	0	0	%100
93	M93	SX	0	0	0	%100
94	M94	SX	0	0	0	%100
95	M95	SX	0	0	0	%100
96	M96	SX	0	0	0	%100
97	MP1	SX	-51.357	-51.357	0	%100
98	MP2	SX	-51.357	-51.357	0	%100
99	MP3	SX	-51.357	-51.357	0	%100
100	MP4	SX	-51.357	-51.357	0	%100
101	MP5	SX	-51.357	-51.357	0	%100
102	MP6	SX	-51.357	-51.357	0	%100
103	MP7	SX	-51.357	-51.357	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
104	MP8	SX	-51.357	-51.357	0	%100
105	MP9	SX	-51.357	-51.357	0	%100
106	MP10	SX	-51.357	-51.357	0	%100
107	MP11	SX	-51.357	-51.357	0	%100
108	MP12	SX	-51.357	-51.357	0	%100

Member Distributed Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
1	M1	Y	-9.517	-9.517	0	%100
2	M2	Y	-9.517	-9.517	0	%100
3	M3	Y	-9.517	-9.517	0	%100
4	M4	Y	-6.499	-6.499	0	%100
5	M5	Y	-6.499	-6.499	0	%100
6	M6	Y	-6.499	-6.499	0	%100
7	M7	Y	-1.602	-1.602	0	%100
8	M8	Y	-1.602	-1.602	0	%100
9	M9	Y	-1.602	-1.602	0	%100
10	M10	Y	-1.602	-1.602	0	%100
11	M11	Y	-1.602	-1.602	0	%100
12	M12	Y	-1.602	-1.602	0	%100
13	M13	Y	-1.602	-1.602	0	%100
14	M14	Y	-10.026	-10.026	0	%100
15	M15	Y	-10.013	-10.013	0	%100
16	M16	Y	-4.925	-4.925	0	%100
17	M17	Y	-4.925	-4.925	0	%100
18	M18	Y	-1.602	-1.602	0	%100
19	M19	Y	-1.602	-1.602	0	%100
20	M20	Y	-10.013	-10.013	0	%100
21	M21	Y	-1.602	-1.602	0	%100
22	M22	Y	-1.602	-1.602	0	%100
23	M23	Y	-10.013	-10.013	0	%100
24	M24	Y	-10.013	-10.013	0	%100
25	M25	Y	-1.602	-1.602	0	%100
26	M26	Y	-1.602	-1.602	0	%100
27	M27	Y	-10.013	-10.013	0	%100
28	M28	Y	-10.013	-10.013	0	%100
29	M29	Y	-1.602	-1.602	0	%100
30	M30	Y	-4.925	-4.925	0	%100
31	M31	Y	-10.013	-10.013	0	%100
32	M32	Y	-6.549	-6.549	0	%100
33	M33	Y	-10.013	-10.013	0	%100
34	M34	Y	-6.549	-6.549	0	%100
35	M35	Y	-6.549	-6.549	0	%100
36	M36	Y	-10.013	-10.013	0	%100
37	M37	Y	-10.026	-10.026	0	%100
38	M38	Y	-10.026	-10.026	0	%100
39	M39	Y	-9.517	-9.517	0	%100
40	M40	Y	-1.602	-1.602	0	%100
41	M41	Y	-1.602	-1.602	0	%100
42	M42	Y	-1.602	-1.602	0	%100
43	M43	Y	-9.517	-9.517	0	%100
44	M44	Y	-1.602	-1.602	0	%100
45	M45	Y	-10.026	-10.026	0	%100
46	M46	Y	-10.026	-10.026	0	%100
47	M47	Y	-9.517	-9.517	0	%100
48	M48	Y	-1.602	-1.602	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
49	M49	Y	-10.026	-10.026	0	%100
50	M50	Y	-1.602	-1.602	0	%100
51	M51	Y	-10.013	-10.013	0	%100
52	M52	Y	-9.517	-9.517	0	%100
53	M53	Y	-1.602	-1.602	0	%100
54	M54	Y	-10.026	-10.026	0	%100
55	M55	Y	-6.549	-6.549	0	%100
56	M56	Y	-9.517	-9.517	0	%100
57	M57	Y	-1.602	-1.602	0	%100
58	M58	Y	-10.026	-10.026	0	%100
59	M59	Y	-10.013	-10.013	0	%100
60	M60	Y	-9.517	-9.517	0	%100
61	M61	Y	-6.549	-6.549	0	%100
62	M62	Y	-10.026	-10.026	0	%100
63	M63	Y	-5.559	-5.559	0	%100
64	M64	Y	-1.602	-1.602	0	%100
65	M65	Y	-1.602	-1.602	0	%100
66	M66	Y	-1.602	-1.602	0	%100
67	M67	Y	-5.559	-5.559	0	%100
68	M68	Y	-1.602	-1.602	0	%100
69	M69	Y	-10.026	-10.026	0	%100
70	M70	Y	-5.559	-5.559	0	%100
71	M71	Y	-1.602	-1.602	0	%100
72	M72	Y	-1.602	-1.602	0	%100
73	M73	Y	-5.559	-5.559	0	%100
74	M74	Y	-1.602	-1.602	0	%100
75	M75	Y	-10.026	-10.026	0	%100
76	M76	Y	-5.559	-5.559	0	%100
77	M77	Y	-6.549	-6.549	0	%100
78	M78	Y	-1.602	-1.602	0	%100
79	M79	Y	-10.026	-10.026	0	%100
80	M80	Y	-10.013	-10.013	0	%100
81	M81	Y	-5.559	-5.559	0	%100
82	M82	Y	-6.549	-6.549	0	%100
83	M83	Y	-1.602	-1.602	0	%100
84	M84	Y	-1.602	-1.602	0	%100
85	M85	Y	-1.602	-1.602	0	%100
86	M86	Y	-1.602	-1.602	0	%100
87	M87	Y	-1.602	-1.602	0	%100
88	M88	Y	-1.602	-1.602	0	%100
89	M89	Y	-6.549	-6.549	0	%100
90	M90	Y	-6.549	-6.549	0	%100
91	M91	Y	-1.602	-1.602	0	%100
92	M92	Y	-1.602	-1.602	0	%100
93	M93	Y	-1.602	-1.602	0	%100
94	M94	Y	-1.602	-1.602	0	%100
95	M95	Y	-1.602	-1.602	0	%100
96	M96	Y	-1.602	-1.602	0	%100
97	MP1	Y	-4.925	-4.925	0	%100
98	MP2	Y	-4.925	-4.925	0	%100
99	MP3	Y	-4.925	-4.925	0	%100
100	MP4	Y	-4.925	-4.925	0	%100
101	MP5	Y	-4.925	-4.925	0	%100
102	MP6	Y	-4.925	-4.925	0	%100
103	MP7	Y	-4.925	-4.925	0	%100
104	MP8	Y	-4.925	-4.925	0	%100
105	MP9	Y	-4.925	-4.925	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
106	MP10	Y	-4.925	-4.925	0	%100
107	MP11	Y	-4.925	-4.925	0	%100
108	MP12	Y	-4.925	-4.925	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
1	M1	SZ	-10.673	-10.673	0	%100
2	M2	SZ	-10.673	-10.673	0	%100
3	M3	SZ	-10.673	-10.673	0	%100
4	M4	SZ	-12.569	-12.569	0	%100
5	M5	SZ	-12.569	-12.569	0	%100
6	M6	SZ	-12.569	-12.569	0	%100
7	M7	SZ	0	0	0	%100
8	M8	SZ	0	0	0	%100
9	M9	SZ	0	0	0	%100
10	M10	SZ	0	0	0	%100
11	M11	SZ	0	0	0	%100
12	M12	SZ	0	0	0	%100
13	M13	SZ	0	0	0	%100
14	M14	SZ	-10.487	-10.487	0	%100
15	M15	SZ	-10.492	-10.492	0	%100
16	M16	SZ	-14.924	-14.924	0	%100
17	M17	SZ	-14.924	-14.924	0	%100
18	M18	SZ	0	0	0	%100
19	M19	SZ	0	0	0	%100
20	M20	SZ	-10.492	-10.492	0	%100
21	M21	SZ	0	0	0	%100
22	M22	SZ	0	0	0	%100
23	M23	SZ	-10.492	-10.492	0	%100
24	M24	SZ	-10.492	-10.492	0	%100
25	M25	SZ	0	0	0	%100
26	M26	SZ	0	0	0	%100
27	M27	SZ	-10.492	-10.492	0	%100
28	M28	SZ	-10.492	-10.492	0	%100
29	M29	SZ	0	0	0	%100
30	M30	SZ	-14.924	-14.924	0	%100
31	M31	SZ	-10.492	-10.492	0	%100
32	M32	SZ	-12.519	-12.519	0	%100
33	M33	SZ	-10.492	-10.492	0	%100
34	M34	SZ	-12.519	-12.519	0	%100
35	M35	SZ	-12.519	-12.519	0	%100
36	M36	SZ	-10.492	-10.492	0	%100
37	M37	SZ	-10.487	-10.487	0	%100
38	M38	SZ	-10.487	-10.487	0	%100
39	M39	SZ	-10.673	-10.673	0	%100
40	M40	SZ	0	0	0	%100
41	M41	SZ	0	0	0	%100
42	M42	SZ	0	0	0	%100
43	M43	SZ	-10.673	-10.673	0	%100
44	M44	SZ	0	0	0	%100
45	M45	SZ	-10.487	-10.487	0	%100
46	M46	SZ	-10.487	-10.487	0	%100
47	M47	SZ	-10.673	-10.673	0	%100
48	M48	SZ	0	0	0	%100
49	M49	SZ	-10.487	-10.487	0	%100
50	M50	SZ	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
51	M51	SZ	-10.492	-10.492	0	%100
52	M52	SZ	-10.673	-10.673	0	%100
53	M53	SZ	0	0	0	%100
54	M54	SZ	-10.487	-10.487	0	%100
55	M55	SZ	-12.519	-12.519	0	%100
56	M56	SZ	-10.673	-10.673	0	%100
57	M57	SZ	0	0	0	%100
58	M58	SZ	-10.487	-10.487	0	%100
59	M59	SZ	-10.492	-10.492	0	%100
60	M60	SZ	-10.673	-10.673	0	%100
61	M61	SZ	-12.519	-12.519	0	%100
62	M62	SZ	-10.487	-10.487	0	%100
63	M63	SZ	-13.749	-13.749	0	%100
64	M64	SZ	0	0	0	%100
65	M65	SZ	0	0	0	%100
66	M66	SZ	0	0	0	%100
67	M67	SZ	-13.749	-13.749	0	%100
68	M68	SZ	0	0	0	%100
69	M69	SZ	-10.487	-10.487	0	%100
70	M70	SZ	-13.749	-13.749	0	%100
71	M71	SZ	0	0	0	%100
72	M72	SZ	0	0	0	%100
73	M73	SZ	-13.749	-13.749	0	%100
74	M74	SZ	0	0	0	%100
75	M75	SZ	-10.487	-10.487	0	%100
76	M76	SZ	-13.749	-13.749	0	%100
77	M77	SZ	-12.519	-12.519	0	%100
78	M78	SZ	0	0	0	%100
79	M79	SZ	-10.487	-10.487	0	%100
80	M80	SZ	-10.492	-10.492	0	%100
81	M81	SZ	-13.749	-13.749	0	%100
82	M82	SZ	-12.519	-12.519	0	%100
83	M83	SZ	0	0	0	%100
84	M84	SZ	0	0	0	%100
85	M85	SZ	0	0	0	%100
86	M86	SZ	0	0	0	%100
87	M87	SZ	0	0	0	%100
88	M88	SZ	0	0	0	%100
89	M89	SZ	-12.519	-12.519	0	%100
90	M90	SZ	-12.519	-12.519	0	%100
91	M91	SZ	0	0	0	%100
92	M92	SZ	0	0	0	%100
93	M93	SZ	0	0	0	%100
94	M94	SZ	0	0	0	%100
95	M95	SZ	0	0	0	%100
96	M96	SZ	0	0	0	%100
97	MP1	SZ	-14.924	-14.924	0	%100
98	MP2	SZ	-14.924	-14.924	0	%100
99	MP3	SZ	-14.924	-14.924	0	%100
100	MP4	SZ	-14.924	-14.924	0	%100
101	MP5	SZ	-14.924	-14.924	0	%100
102	MP6	SZ	-14.924	-14.924	0	%100
103	MP7	SZ	-14.924	-14.924	0	%100
104	MP8	SZ	-14.924	-14.924	0	%100
105	MP9	SZ	-14.924	-14.924	0	%100
106	MP10	SZ	-14.924	-14.924	0	%100
107	MP11	SZ	-14.924	-14.924	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
108	MP12	SZ	-14.924	-14.924	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
1	M1	SX	-10.673	-10.673	0	%100
2	M2	SX	-10.673	-10.673	0	%100
3	M3	SX	-10.673	-10.673	0	%100
4	M4	SX	-12.569	-12.569	0	%100
5	M5	SX	-12.569	-12.569	0	%100
6	M6	SX	-12.569	-12.569	0	%100
7	M7	SX	0	0	0	%100
8	M8	SX	0	0	0	%100
9	M9	SX	0	0	0	%100
10	M10	SX	0	0	0	%100
11	M11	SX	0	0	0	%100
12	M12	SX	0	0	0	%100
13	M13	SX	0	0	0	%100
14	M14	SX	-10.487	-10.487	0	%100
15	M15	SX	-10.492	-10.492	0	%100
16	M16	SX	-14.924	-14.924	0	%100
17	M17	SX	-14.924	-14.924	0	%100
18	M18	SX	0	0	0	%100
19	M19	SX	0	0	0	%100
20	M20	SX	-10.492	-10.492	0	%100
21	M21	SX	0	0	0	%100
22	M22	SX	0	0	0	%100
23	M23	SX	-10.492	-10.492	0	%100
24	M24	SX	-10.492	-10.492	0	%100
25	M25	SX	0	0	0	%100
26	M26	SX	0	0	0	%100
27	M27	SX	-10.492	-10.492	0	%100
28	M28	SX	-10.492	-10.492	0	%100
29	M29	SX	0	0	0	%100
30	M30	SX	-14.924	-14.924	0	%100
31	M31	SX	-10.492	-10.492	0	%100
32	M32	SX	-12.519	-12.519	0	%100
33	M33	SX	-10.492	-10.492	0	%100
34	M34	SX	-12.519	-12.519	0	%100
35	M35	SX	-12.519	-12.519	0	%100
36	M36	SX	-10.492	-10.492	0	%100
37	M37	SX	-10.487	-10.487	0	%100
38	M38	SX	-10.487	-10.487	0	%100
39	M39	SX	-10.673	-10.673	0	%100
40	M40	SX	0	0	0	%100
41	M41	SX	0	0	0	%100
42	M42	SX	0	0	0	%100
43	M43	SX	-10.673	-10.673	0	%100
44	M44	SX	0	0	0	%100
45	M45	SX	-10.487	-10.487	0	%100
46	M46	SX	-10.487	-10.487	0	%100
47	M47	SX	-10.673	-10.673	0	%100
48	M48	SX	0	0	0	%100
49	M49	SX	-10.487	-10.487	0	%100
50	M50	SX	0	0	0	%100
51	M51	SX	-10.492	-10.492	0	%100
52	M52	SX	-10.673	-10.673	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
53	M53	SX	0	0	0	%100
54	M54	SX	-10.487	-10.487	0	%100
55	M55	SX	-12.519	-12.519	0	%100
56	M56	SX	-10.673	-10.673	0	%100
57	M57	SX	0	0	0	%100
58	M58	SX	-10.487	-10.487	0	%100
59	M59	SX	-10.492	-10.492	0	%100
60	M60	SX	-10.673	-10.673	0	%100
61	M61	SX	-12.519	-12.519	0	%100
62	M62	SX	-10.487	-10.487	0	%100
63	M63	SX	-13.749	-13.749	0	%100
64	M64	SX	0	0	0	%100
65	M65	SX	0	0	0	%100
66	M66	SX	0	0	0	%100
67	M67	SX	-13.749	-13.749	0	%100
68	M68	SX	0	0	0	%100
69	M69	SX	-10.487	-10.487	0	%100
70	M70	SX	-13.749	-13.749	0	%100
71	M71	SX	0	0	0	%100
72	M72	SX	0	0	0	%100
73	M73	SX	-13.749	-13.749	0	%100
74	M74	SX	0	0	0	%100
75	M75	SX	-10.487	-10.487	0	%100
76	M76	SX	-13.749	-13.749	0	%100
77	M77	SX	-12.519	-12.519	0	%100
78	M78	SX	0	0	0	%100
79	M79	SX	-10.487	-10.487	0	%100
80	M80	SX	-10.492	-10.492	0	%100
81	M81	SX	-13.749	-13.749	0	%100
82	M82	SX	-12.519	-12.519	0	%100
83	M83	SX	0	0	0	%100
84	M84	SX	0	0	0	%100
85	M85	SX	0	0	0	%100
86	M86	SX	0	0	0	%100
87	M87	SX	0	0	0	%100
88	M88	SX	0	0	0	%100
89	M89	SX	-12.519	-12.519	0	%100
90	M90	SX	-12.519	-12.519	0	%100
91	M91	SX	0	0	0	%100
92	M92	SX	0	0	0	%100
93	M93	SX	0	0	0	%100
94	M94	SX	0	0	0	%100
95	M95	SX	0	0	0	%100
96	M96	SX	0	0	0	%100
97	MP1	SX	-14.924	-14.924	0	%100
98	MP2	SX	-14.924	-14.924	0	%100
99	MP3	SX	-14.924	-14.924	0	%100
100	MP4	SX	-14.924	-14.924	0	%100
101	MP5	SX	-14.924	-14.924	0	%100
102	MP6	SX	-14.924	-14.924	0	%100
103	MP7	SX	-14.924	-14.924	0	%100
104	MP8	SX	-14.924	-14.924	0	%100
105	MP9	SX	-14.924	-14.924	0	%100
106	MP10	SX	-14.924	-14.924	0	%100
107	MP11	SX	-14.924	-14.924	0	%100
108	MP12	SX	-14.924	-14.924	0	%100

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
1	M3	Y	-2.038	-8.616	12.451	22.412
2	M3	Y	-8.616	-13.555	22.412	32.373
3	M3	Y	-13.555	-11.244	32.373	42.333
4	M3	Y	-11.244	-4.557	42.333	52.294
5	M3	Y	-4.557	-.465	52.294	62.255
6	M4	Y	-.678	-.678	8.852	29.767
7	M6	Y	-1.266	-.4	120.188	123.181
8	M6	Y	-.4	.033	123.181	126.174
9	M6	Y	.033	.033	126.174	129.167
10	M6	Y	.033	.033	129.167	132.16
11	M6	Y	.033	-.925	132.16	135.153
12	M6	Y	-.925	-1.907	135.153	138.146
13	M6	Y	-1.907	-1.955	138.146	141.139
14	M24	Y	-1.005	-1.005	0	2.704
15	M27	Y	-.663	-.663	0	2.75
16	M31	Y	-1.12	-1.12	0	2.75
17	M56	Y	-.081	-1.694	0	5.66
18	M56	Y	-1.694	-3.736	5.66	11.32
19	M56	Y	-3.736	-4.661	11.32	16.98
20	M56	Y	-4.661	-4.345	16.98	22.64
21	M56	Y	-4.345	-4.241	22.64	28.3
22	M60	Y	-4.232	-4.358	2	7.66
23	M60	Y	-4.358	-4.677	7.66	13.32
24	M60	Y	-4.677	-3.738	13.32	18.981
25	M60	Y	-3.738	-1.848	18.981	24.641
26	M60	Y	-1.848	-.458	24.641	30.301
27	M62	Y	-2.252	-2.252	0	2.704
28	M69	Y	-2.255	-2.255	0	2.704
29	M75	Y	-2.957	-2.957	0	4.338
30	M76	Y	-1.314	-5.054	0	10.271
31	M76	Y	-5.054	-8.214	10.271	20.541
32	M76	Y	-8.214	-10.688	20.541	30.812
33	M76	Y	-10.688	-8.462	30.812	41.083
34	M76	Y	-8.462	-1.646	41.083	51.353
35	M79	Y	-2.96	-2.96	2	6.338
36	M81	Y	-1.29	-5.035	0	10.271
37	M81	Y	-5.035	-8.215	10.271	20.541
38	M81	Y	-8.215	-10.57	20.541	30.812
39	M81	Y	-10.57	-8.433	30.812	41.082
40	M81	Y	-8.433	-2.065	41.082	51.353
41	M1	Y	-.621	-10.609	12.451	22.412
42	M1	Y	-10.609	-13.652	22.412	32.373
43	M1	Y	-13.652	-9.528	32.373	42.333
44	M1	Y	-9.528	-4.759	42.333	52.294
45	M1	Y	-4.759	-.621	52.294	62.255
46	M4	Y	-1.266	-.4	120.233	123.221
47	M4	Y	-.4	.033	123.221	126.208
48	M4	Y	.033	.033	126.208	129.196
49	M4	Y	.033	.033	129.196	132.184
50	M4	Y	.033	-.926	132.184	135.172
51	M4	Y	-.926	-1.908	135.172	138.16
52	M4	Y	-1.908	-1.956	138.16	141.148
53	M5	Y	-.678	-.678	8.861	29.813
54	M14	Y	-2.255	-2.255	0	2.704
55	M15	Y	-1.005	-1.005	0	2.704
56	M36	Y	-1.12	-1.12	0	2.75
57	M37	Y	-2.251	-2.251	0	2.704

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
58	M39	Y	-.46	-1.848	0	5.66
59	M39	Y	-1.848	-3.733	5.66	11.32
60	M39	Y	-3.733	-4.661	11.32	16.98
61	M39	Y	-4.661	-4.328	16.98	22.64
62	M39	Y	-4.328	-4.184	22.64	28.301
63	M43	Y	-4.193	-4.316	2	7.66
64	M43	Y	-4.316	-4.648	7.66	13.32
65	M43	Y	-4.648	-3.732	13.32	18.981
66	M43	Y	-3.732	-1.695	18.981	24.641
67	M43	Y	-1.695	-.082	24.641	30.301
68	M45	Y	-2.96	-2.96	0	4.338
69	M49	Y	-2.957	-2.957	2	6.338
70	M63	Y	-1.299	-5.058	0	10.271
71	M63	Y	-5.058	-8.245	10.271	20.541
72	M63	Y	-8.245	-10.584	20.541	30.812
73	M63	Y	-10.584	-8.432	30.812	41.083
74	M63	Y	-8.432	-2.067	41.083	51.353
75	M67	Y	-1.323	-5.075	0	10.271
76	M67	Y	-5.075	-8.243	10.271	20.541
77	M67	Y	-8.243	-10.699	20.541	30.812
78	M67	Y	-10.699	-8.458	30.812	41.082
79	M67	Y	-8.458	-1.65	41.082	51.353
80	M80	Y	-.663	-.663	0	2.75
81	M2	Y	-.621	-10.609	12.451	22.412
82	M2	Y	-10.609	-13.652	22.412	32.373
83	M2	Y	-13.652	-9.528	32.373	42.333
84	M2	Y	-9.528	-4.759	42.333	52.294
85	M2	Y	-4.759	-.621	52.294	62.255
86	M5	Y	-1.266	-.4	120.233	123.221
87	M5	Y	-.4	.033	123.221	126.208
88	M5	Y	.033	.033	126.208	129.196
89	M5	Y	.033	.033	129.196	132.184
90	M5	Y	.033	-.926	132.184	135.172
91	M5	Y	-.926	-1.908	135.172	138.16
92	M5	Y	-1.908	-1.956	138.16	141.148
93	M6	Y	-.678	-.678	8.861	29.813
94	M20	Y	-1.005	-1.005	0	2.704
95	M23	Y	-.663	-.663	0	2.75
96	M38	Y	-2.255	-2.255	0	2.704
97	M46	Y	-2.251	-2.251	0	2.704
98	M47	Y	-.46	-1.848	0	5.66
99	M47	Y	-1.848	-3.733	5.66	11.32
100	M47	Y	-3.733	-4.661	11.32	16.98
101	M47	Y	-4.661	-4.328	16.98	22.64
102	M47	Y	-4.328	-4.184	22.64	28.301
103	M52	Y	-4.193	-4.316	2	7.66
104	M52	Y	-4.316	-4.648	7.66	13.32
105	M52	Y	-4.648	-3.732	13.32	18.981
106	M52	Y	-3.732	-1.695	18.981	24.641
107	M52	Y	-1.695	-.082	24.641	30.301
108	M54	Y	-2.96	-2.96	0	4.338
109	M58	Y	-2.957	-2.957	2	6.338
110	M59	Y	-1.12	-1.12	0	2.75
111	M70	Y	-1.299	-5.058	0	10.271
112	M70	Y	-5.058	-8.245	10.271	20.541
113	M70	Y	-8.245	-10.584	20.541	30.812
114	M70	Y	-10.584	-8.432	30.812	41.083

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
115	M70	Y	-8.432	-2.067	41.083	51.353
116	M73	Y	-1.323	-5.075	0	10.271
117	M73	Y	-5.075	-8.243	10.271	20.541
118	M73	Y	-8.243	-10.699	20.541	30.812
119	M73	Y	-10.699	-8.458	30.812	41.082
120	M73	Y	-8.458	-1.65	41.082	51.353

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
1	M3	Y	-2.18	-9.22	12.451	22.412
2	M3	Y	-9.22	-14.504	22.412	32.373
3	M3	Y	-14.504	-12.031	32.373	42.333
4	M3	Y	-12.031	-4.876	42.333	52.294
5	M3	Y	-4.876	-.498	52.294	62.255
6	M4	Y	-.726	-.726	8.852	29.767
7	M6	Y	-1.355	-.428	120.188	123.181
8	M6	Y	-.428	.035	123.181	126.174
9	M6	Y	.035	.035	126.174	129.167
10	M6	Y	.035	.035	129.167	132.16
11	M6	Y	.035	-.99	132.16	135.153
12	M6	Y	-.99	-2.041	135.153	138.146
13	M6	Y	-2.041	-2.092	138.146	141.139
14	M24	Y	-1.076	-1.076	0	2.704
15	M27	Y	-.71	-.71	0	2.75
16	M31	Y	-1.198	-1.198	0	2.75
17	M56	Y	-.087	-1.813	0	5.66
18	M56	Y	-1.813	-3.997	5.66	11.32
19	M56	Y	-3.997	-4.988	11.32	16.98
20	M56	Y	-4.988	-4.649	16.98	22.64
21	M56	Y	-4.649	-4.538	22.64	28.3
22	M60	Y	-4.529	-4.663	2	7.66
23	M60	Y	-4.663	-5.005	7.66	13.32
24	M60	Y	-5.005	-3.999	13.32	18.981
25	M60	Y	-3.999	-1.977	18.981	24.641
26	M60	Y	-1.977	-.49	24.641	30.301
27	M62	Y	-2.409	-2.409	0	2.704
28	M69	Y	-2.413	-2.413	0	2.704
29	M75	Y	-3.164	-3.164	0	4.338
30	M76	Y	-1.406	-5.408	0	10.271
31	M76	Y	-5.408	-8.789	10.271	20.541
32	M76	Y	-8.789	-11.436	20.541	30.812
33	M76	Y	-11.436	-9.055	30.812	41.083
34	M76	Y	-9.055	-1.761	41.083	51.353
35	M79	Y	-3.168	-3.168	2	6.338
36	M81	Y	-1.381	-5.388	0	10.271
37	M81	Y	-5.388	-8.79	10.271	20.541
38	M81	Y	-8.79	-11.31	20.541	30.812
39	M81	Y	-11.31	-9.024	30.812	41.082
40	M81	Y	-9.024	-2.21	41.082	51.353
41	M1	Y	-.665	-11.352	12.451	22.412
42	M1	Y	-11.352	-14.608	22.412	32.373
43	M1	Y	-14.608	-10.195	32.373	42.333
44	M1	Y	-10.195	-5.092	42.333	52.294
45	M1	Y	-5.092	-.665	52.294	62.255
46	M4	Y	-1.355	-.428	120.233	123.221
47	M4	Y	-.428	.035	123.221	126.208

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
48	M4	Y	.035	.035	126.208	129.196
49	M4	Y	.035	.035	129.196	132.184
50	M4	Y	.035	-.991	132.184	135.172
51	M4	Y	-.991	-2.042	135.172	138.16
52	M4	Y	-2.042	-2.093	138.16	141.148
53	M5	Y	-.725	-.725	8.861	29.813
54	M14	Y	-2.413	-2.413	0	2.704
55	M15	Y	-1.076	-1.076	0	2.704
56	M36	Y	-1.198	-1.198	0	2.75
57	M37	Y	-2.409	-2.409	0	2.704
58	M39	Y	-.492	-1.977	0	5.66
59	M39	Y	-1.977	-3.994	5.66	11.32
60	M39	Y	-3.994	-4.988	11.32	16.98
61	M39	Y	-4.988	-4.631	16.98	22.64
62	M39	Y	-4.631	-4.477	22.64	28.301
63	M43	Y	-4.487	-4.619	2	7.66
64	M43	Y	-4.619	-4.973	7.66	13.32
65	M43	Y	-4.973	-3.993	13.32	18.981
66	M43	Y	-3.993	-1.814	18.981	24.641
67	M43	Y	-1.814	-.088	24.641	30.301
68	M45	Y	-3.168	-3.168	0	4.338
69	M49	Y	-3.164	-3.164	2	6.338
70	M63	Y	-1.39	-5.412	0	10.271
71	M63	Y	-5.412	-8.822	10.271	20.541
72	M63	Y	-8.822	-11.325	20.541	30.812
73	M63	Y	-11.325	-9.023	30.812	41.083
74	M63	Y	-9.023	-2.212	41.083	51.353
75	M67	Y	-1.415	-5.431	0	10.271
76	M67	Y	-5.431	-8.82	10.271	20.541
77	M67	Y	-8.82	-11.447	20.541	30.812
78	M67	Y	-11.447	-9.05	30.812	41.082
79	M67	Y	-9.05	-1.766	41.082	51.353
80	M80	Y	-.71	-.71	0	2.75
81	M2	Y	-.665	-11.352	12.451	22.412
82	M2	Y	-11.352	-14.608	22.412	32.373
83	M2	Y	-14.608	-10.195	32.373	42.333
84	M2	Y	-10.195	-5.092	42.333	52.294
85	M2	Y	-5.092	-.665	52.294	62.255
86	M5	Y	-1.355	-.428	120.233	123.221
87	M5	Y	-.428	.035	123.221	126.208
88	M5	Y	.035	.035	126.208	129.196
89	M5	Y	.035	.035	129.196	132.184
90	M5	Y	.035	-.991	132.184	135.172
91	M5	Y	-.991	-2.042	135.172	138.16
92	M5	Y	-2.042	-2.093	138.16	141.148
93	M6	Y	-.725	-.725	8.861	29.813
94	M20	Y	-1.076	-1.076	0	2.704
95	M23	Y	-.71	-.71	0	2.75
96	M38	Y	-2.413	-2.413	0	2.704
97	M46	Y	-2.409	-2.409	0	2.704
98	M47	Y	-.492	-1.977	0	5.66
99	M47	Y	-1.977	-3.994	5.66	11.32
100	M47	Y	-3.994	-4.988	11.32	16.98
101	M47	Y	-4.988	-4.631	16.98	22.64
102	M47	Y	-4.631	-4.477	22.64	28.301
103	M52	Y	-4.487	-4.619	2	7.66
104	M52	Y	-4.619	-4.973	7.66	13.32

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,psf]	Start Location[in,...	End Location[in,...
105	M52	Y	-4.973	-3.993	13.32	18.981
106	M52	Y	-3.993	-1.814	18.981	24.641
107	M52	Y	-1.814	-.088	24.641	30.301
108	M54	Y	-3.168	-3.168	0	4.338
109	M58	Y	-3.164	-3.164	2	6.338
110	M59	Y	-1.198	-1.198	0	2.75
111	M70	Y	-1.39	-5.412	0	10.271
112	M70	Y	-5.412	-8.822	10.271	20.541
113	M70	Y	-8.822	-11.325	20.541	30.812
114	M70	Y	-11.325	-9.023	30.812	41.083
115	M70	Y	-9.023	-2.212	41.083	51.353
116	M73	Y	-1.415	-5.431	0	10.271
117	M73	Y	-5.431	-8.82	10.271	20.541
118	M73	Y	-8.82	-11.447	20.541	30.812
119	M73	Y	-11.447	-9.05	30.812	41.082
120	M73	Y	-9.05	-1.766	41.082	51.353

Member Area Loads (BLC 1 : Self Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N120	N54	N69	N105	Y	Two Way	-10
2	N82	N80	N32	N114	Y	Two Way	-10
3	N110	N88	N75	N47	Y	Two Way	-10

Member Area Loads (BLC 16 : Ice Weight)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N120	N54	N69	N105	Y	Two Way	-10.7
2	N82	N80	N32	N114	Y	Two Way	-10.7
3	N110	N88	N75	N47	Y	Two Way	-10.7

Plate Surface Loads

Plate Label	Direction	Magnitude[psf,F]
No Data to Print ...		

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless

Input Forces

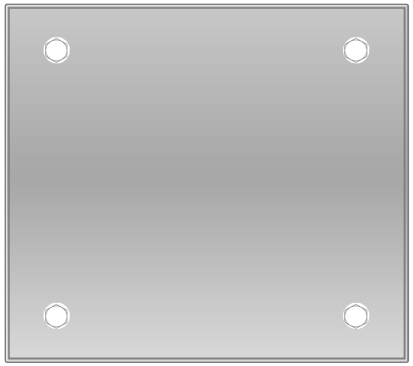
Bolt Calculation Tool, V1.0

PROJECT DATA	
Site Name:	Chaplin Palmer Road
Site Number:	CTL01153
Job Code:	1106-A0001-B

APPLIED LOADS		
Bolt Tension:	1504.23	lbs
Bolt Shear:	82.36	lbs

BOLT PROPERTIES		
Bolt Type:	Bolt	-
Bolt Diameter:	0.625	in
Bolt Grade:	A325	-
# of Bolts:	4	-
Threads Excluded?	No	-

BOLT CHECK	
Tensile Strength	20340.15
Shear Strength	12425.24
Tensile Usage	7.4%
Shear Usage	0.7%
Combined Shear and Tension	0.6%
Result	Pass



Mount Analysis and Mapping Checklist

Mount Detail	Both
Mount Type	Platform
Mount Model Number	SitePro1 RMQP-496-HK
If RT, then how is it attached	
If WT, then how is it attached	
Result of previous mount analysis or PE opinion letter	Pass

Inspector (Mapping)
(Vendor name)
(Inspector name)
(Contact phone)
(Contact email)

Mount Mapping Detail	Both
Material condition (discoloration, cracks, pitting)	Good
Mfg. drawing, cutsheet, spec. available?	No
Date of previous mount mapping	
Searched prior OEM for material?	Yes
Photos of installation available?	Yes
Original tower drawings show mounts?	No
Searched for previous mapping?	Yes
Is latest mod design (dwgs) available?	No
Is the latest structural analysis available?	No

Project Detail	Both
Market	New England
PACE Project ID	MRCTB041443 / MRCTB041354 / MRCTB041568 / MRCTB041496 / MRCTB0041743
Site Name	Chaplin Palmer Road
City, State	Chaplin, CT
RFDS Version Number	1
Initiative (list mult., if applicable)	
Tower Owner	Smartlink
SA Vendor	
A&E firm (for structural analysis)	Infinigy
A&E firm (for mapping, if different)	
Last amendment date or last site visit	

Site Information	Both
Original Lease Date	
FA Code	
Tower Type	Monopole
Tower Height (Ft)	147
AT&T Rad Center # 1	128
AT&T Rad Center # 2	

Note: For each table in this form, note whether the information applies to "Mapping" only, or "Both" mount analysis and mapping. Equipment detail is for "Mapping" but is not labeled. Sketches are only required for mapping.

Measurements and Deliverables on sketches	Mapping
Pipe / Angle dimenions and lengths	
bolt diameters and lengths	
U-Bolt diameters and lengths	
Steel Grade if indicated	
welds :length and sizes	
appurtenance relative locations	
Grounding Condition	

Equipment Detail Alpha Sector	Model Number for Ant, MW, RRU, TMA, Squid / Size of Coax, DC-Fiber Trunks & Jumpers	Height / COAX-DC-Fiber Trunk & Jumper Lengths in feet	Approx Az	mount position location
Antennas	0	0	0	0
MW	0	0	0	0
RRU	0	0	0	0
TMA	0	0	0	0
Coax	0	0	0	0
RET (not imbedded in antenna)	0	0	0	0
DC Cable	0	0	0	0
Fiber Cable	0	0	0	0
Squid	0	0	0	0
Equipment Detail Beta Sector				
Antennas	0	0	0	0
MW	0	0	0	0
RRU	0	0	0	0
TMA	0	0	0	0
Coax	0	0	0	0
RET (not imbedded in antenna)	0	0	0	0
DC Cable	0	0	0	0
Fiber Cable	0	0	0	0
Squid	0	0	0	0
Equipment Detail Gamma Sector				
Antennas	0	0	0	0
MW	0	0	0	0
RRU	0	0	0	0
TMA	0	0	0	0
Coax	0	0	0	0
RET (not imbedded in antenna)	0	0	0	0
DC Cable	0	0	0	0
Fiber Cable	0	0	0	0
Squid	0	0	0	0

Comments