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1033 WATERVLIET SHAKER RD, ALBANY, NY 12205

# Mount Analysis Report

**December 19, 2019**

| | |
|---|---|
| Site Name | Bristol |
| Site Number | CTL01055 |
| AT&T FA Number | 10035029 |
| AT&T PACE Number | MRCTB043607 / MRCTB043609<br>MRCTB043606 / MRCTB043611 |
| Infinigy Job Number | 1106-A0001-B |
| Client | Smartlink |
| Carrier | AT&T Mobility |
| Site Location | 790 Willis St<br>Bristol, CT 06010<br>Hartford County<br>41.649075 N NAD83<br>72.948027 W NAD83 |
| Mount Centerline EL. | 124.0 ft |
| Mount Type | Platform |
| Mount Usage Ratio | **68.8%** |
| **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 and ASCE code requirements. The mount and connections are therefore deemed adequate to support the existing and proposed loading as listed in this report.

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 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 #3226504, dated October 29, 2019 |
| **Construction Drawings** | Infinigy Engineering, PLLC Job #499-006, dated October 16, 2019 |
| **Site Photos** | Smartlink Provided, dated July 10, 2019 |
| **Mount Specifications** | SitePro1 P/N: RMQP-496-HK, dated July 14, 2014 |
| **Previous Mount Analysis** | Infinigy Engineering, PLLC. Job #1106-A0001-B, dated August 29, 2019 |

## Analysis Code Requirements

| | |
|---|---|
| Wind Speed | 120 mph (3-Second Gust) |
| Wind Speed w/ Ice | 50 mph (3 Second Gust) w/ 1.5" 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 | $S_s$ = 0.189 g, $S_1$ = 0.054 g |
| Site Class | D - Stiff Soil |
| HMSL | 1027 ft. |

## Conclusion

Upon reviewing the results of this analysis, it is our opinion that the proposed mount meets the specified TIA and ASCE 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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Project Engineer I | **INFINIGY**
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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) (3) | Carrier |
|---|---|---|---|---|---|---|
| 124.0 | 0.0 | 124.0 | 9.5 | 3 | POWERWAVE 7770 | AT&T |
| | | | 7.0 | 3 | CCI TPA-65R-LCUUUU-H8 | |
| | | | 1.0 | 3 | CCI DMP65R-BU8D | |
| | | | 4.0 | 3 | KATHREIN 800-10966 | |
| | | | 9.5 | 6 | POWERWAVE LGP 21401 | |
| | | | -- | 4 | RAYCAP DC6-48-60-18-8F | |
| | | | 7.0 | 3 | ERICSSON RRUS-32 B2 | |
| | | | 7.0 | 3 | ERICSSON RRUS-32 B30 | |
| | | | 4.0 | 3 | ERICSSON 4478 B14 | |
| | | | 4.0 | 3 | ERICSSON 8843 B2/B66A | |
| | | | 1.0 | 3 | ERICSSON 4449 B5/B12 | |

**(1) Horizontal Offset is defined as the distance from the left most edge of the mount face horizontal when viewed facing the tower**
**(2) Radios are to be mount behind antennas at respective locations see appended documents for vertical locations**
**(3) Raycaps assumed to be installed directly on tower**

## Mount Usages

| | | |
|---|---|---|
| Horizontals | 50.4% | Pass |
| Standoffs | 24.6% | Pass |
| Mount Pipes | 68.8% | Pass |
| Bracing | 40.4% | Pass |
| Bolts | 7.8% | Pass |
| **Max Usage** | **68.8%** | Pass |

## Mount Connections Usages

| Reaction Data | Design Capacity* | Analysis Reactions | Results |
|---|---|---|---|
| Max Tension (lbs.) | 20340.15 | 1584.97 | 7.8% |
| Max Shear (lbs.) | 12425.24 | 150.60 | 1.2% |
| Unity Check | -- | -- | 0.6% |

***Assumed (1) 5/8" A325 Bolts, Total (4) per Connection. Contractor to field verify anchor diameters prior to proposed installation.**

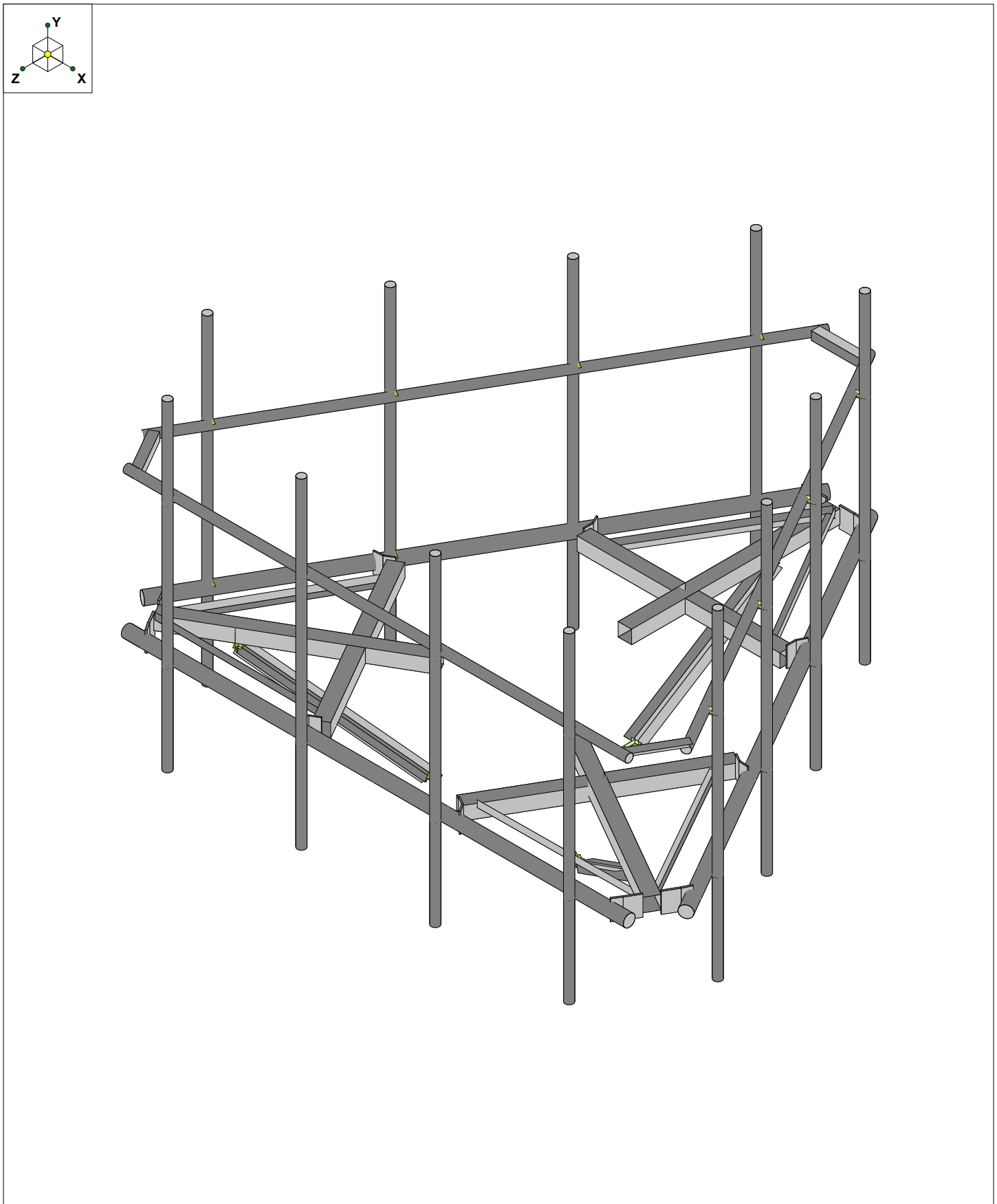
- Bolts reactions are acceptable when compared to manufacturer's listed capacities.

## Assumptions and Limitations

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

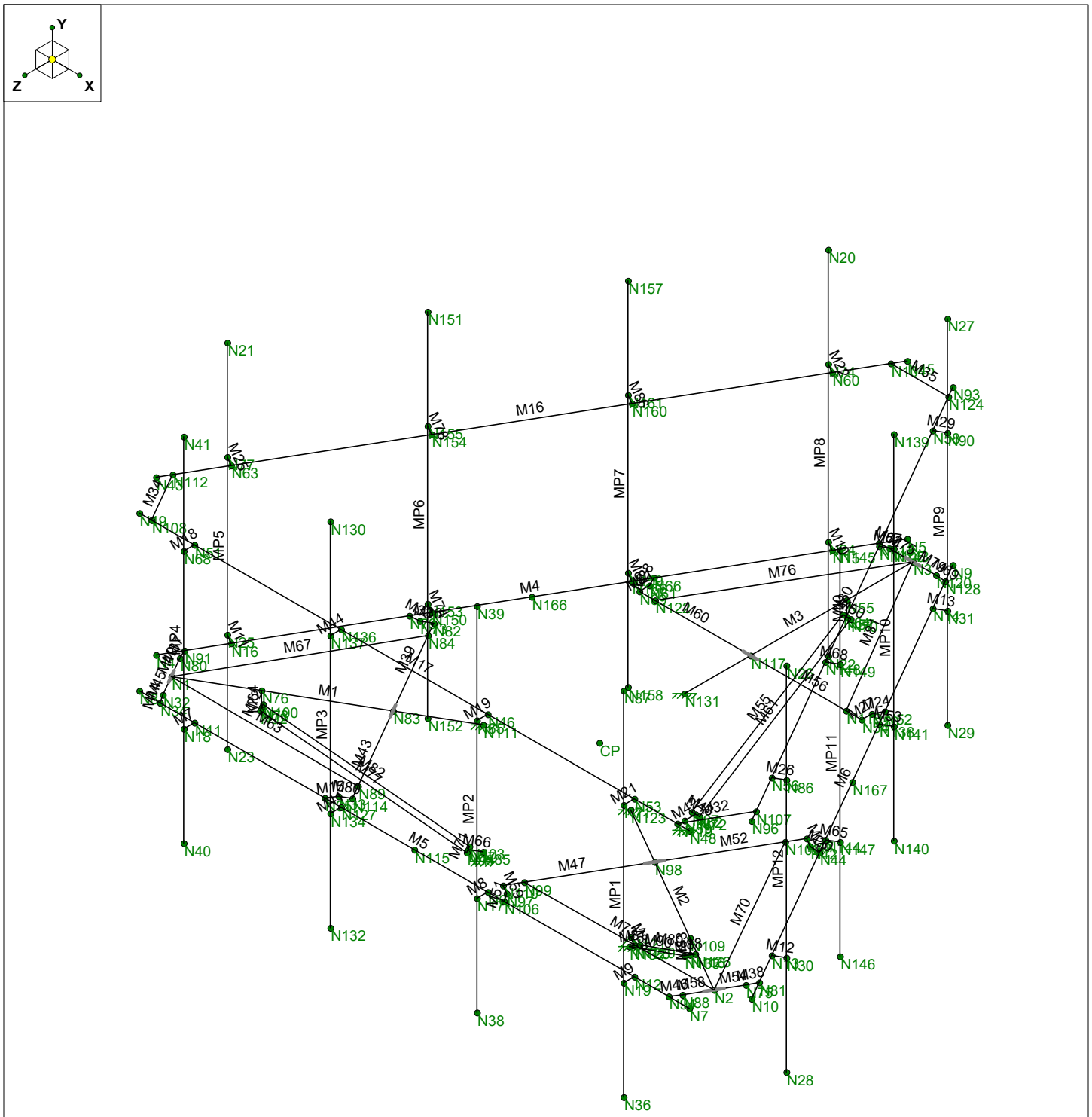
Our evaluation is completed using standard TIA, AISC, ACI, and ASCE methods and procedures. Our structural results are proprietary and should not be used by others as their own. Infinigy Engineering is not responsible for decisions made by others that are or are not based on our supplied assumptions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

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



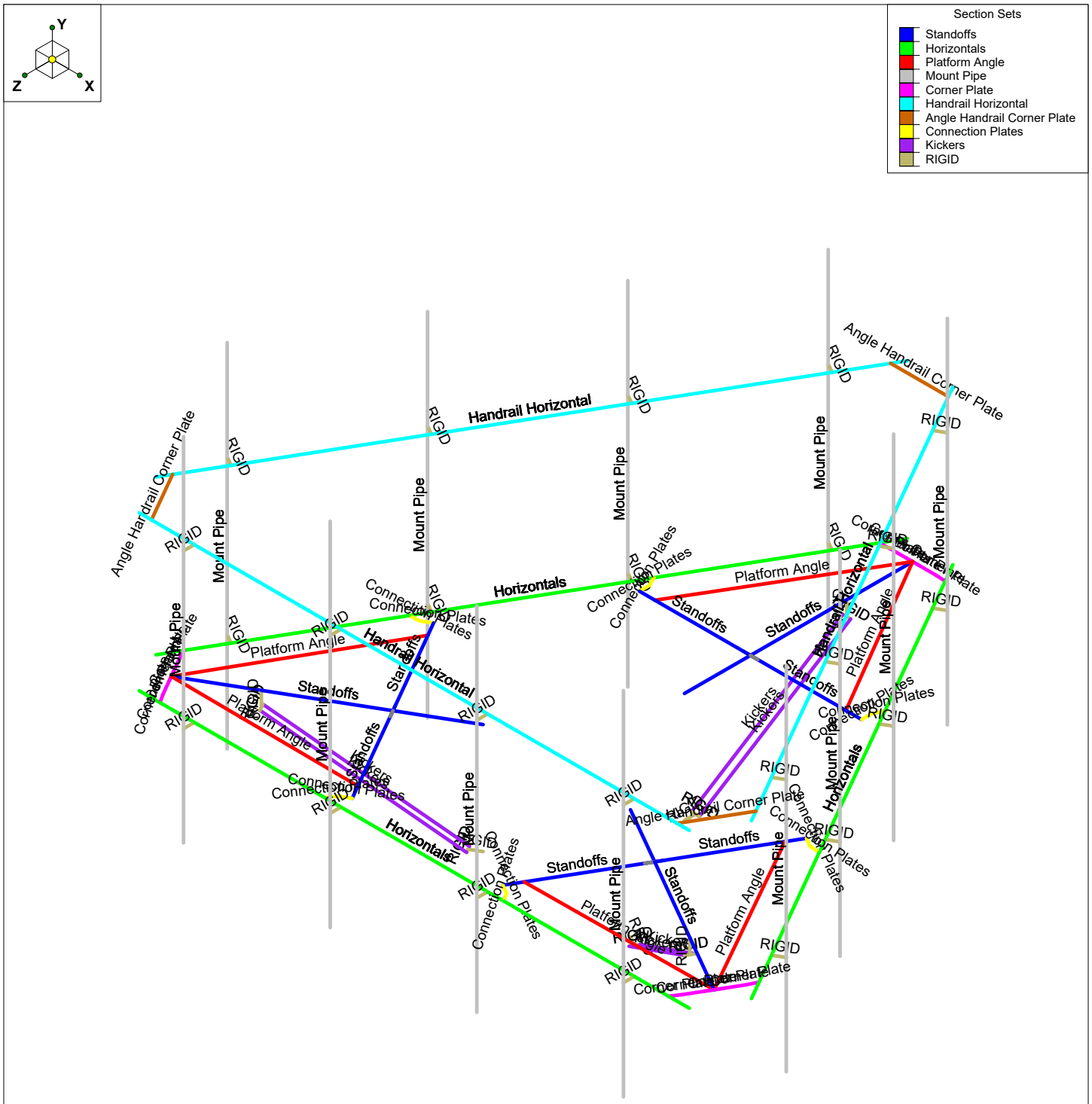

Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Proposed Configuration |
| TM | | Dec 11, 2019 at 11:34 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |



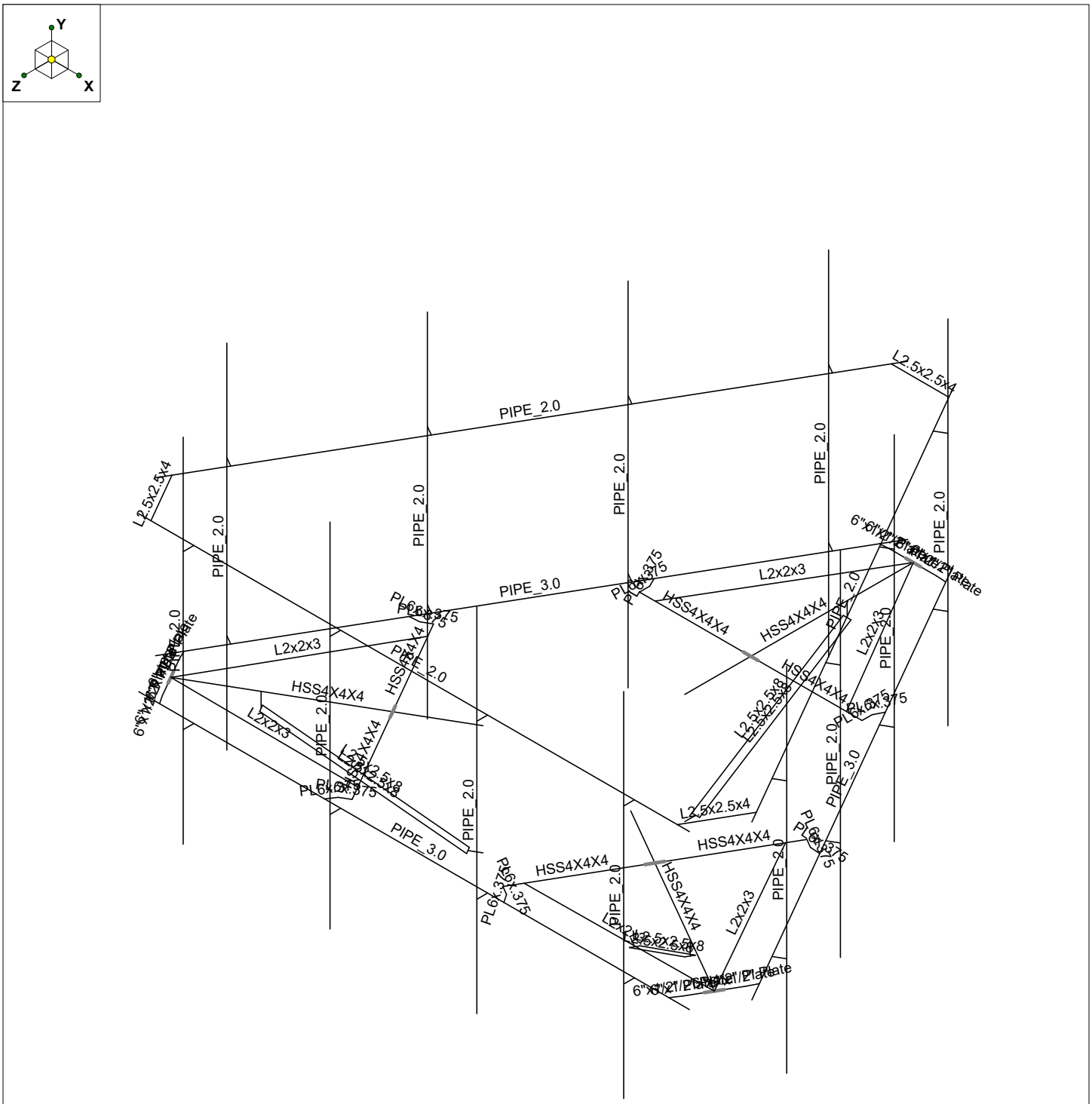

Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Wire Frame |
| TM | | Dec 11, 2019 at 11:34 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |



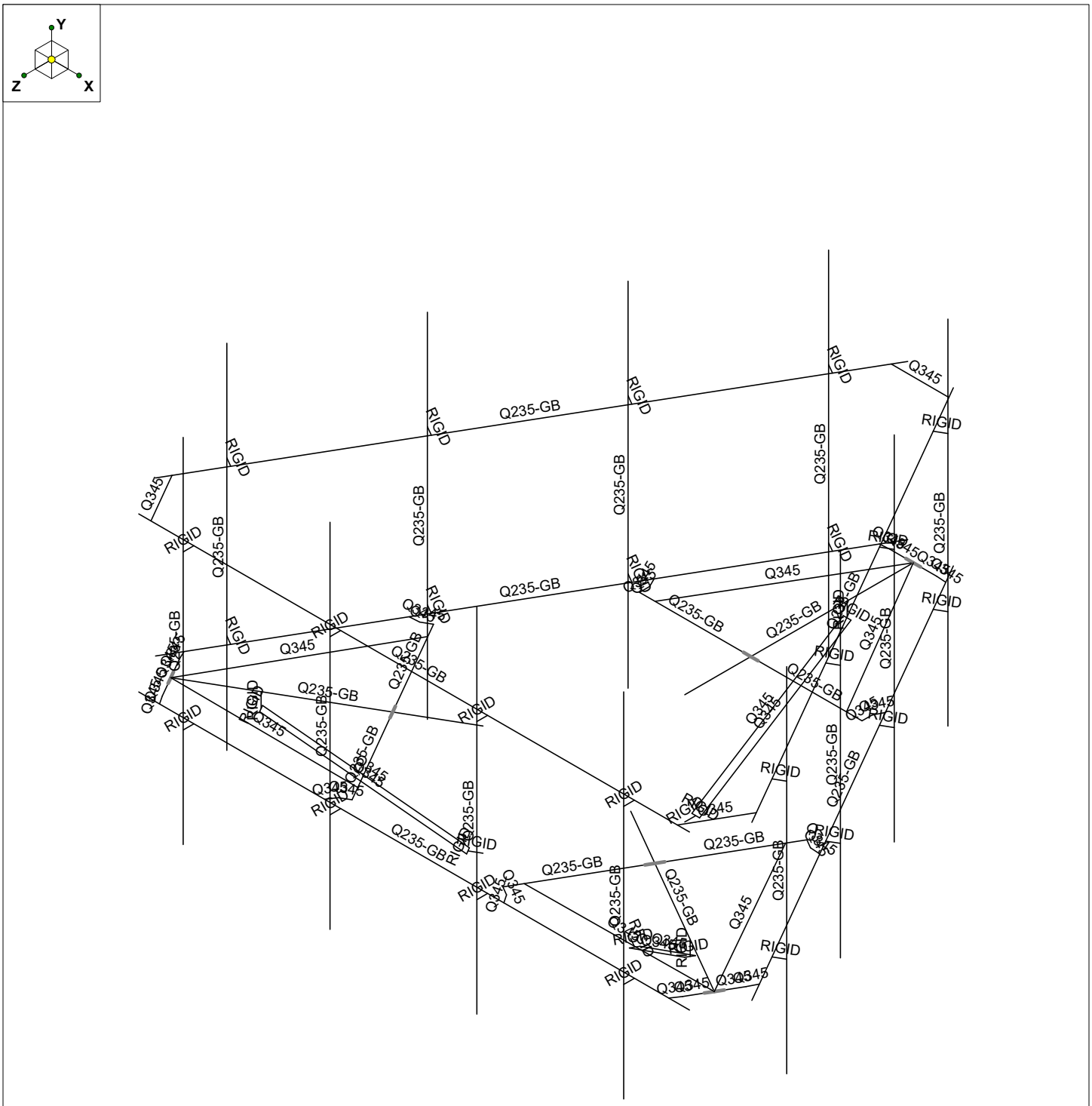

Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Section Sets |
| TM | | Dec 11, 2019 at 11:34 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Member Shape |
| TM | | Dec 11, 2019 at 11:35 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |

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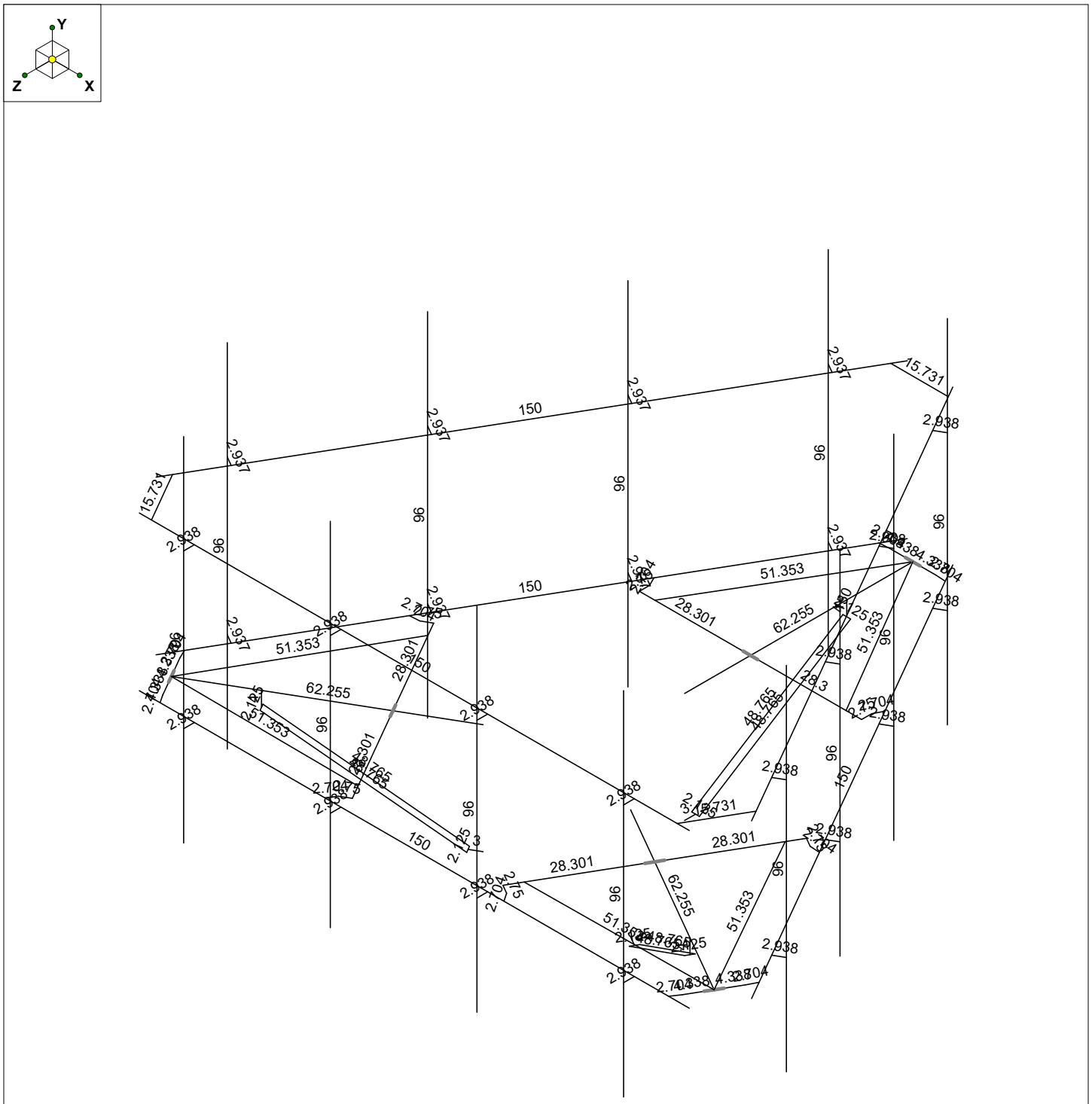
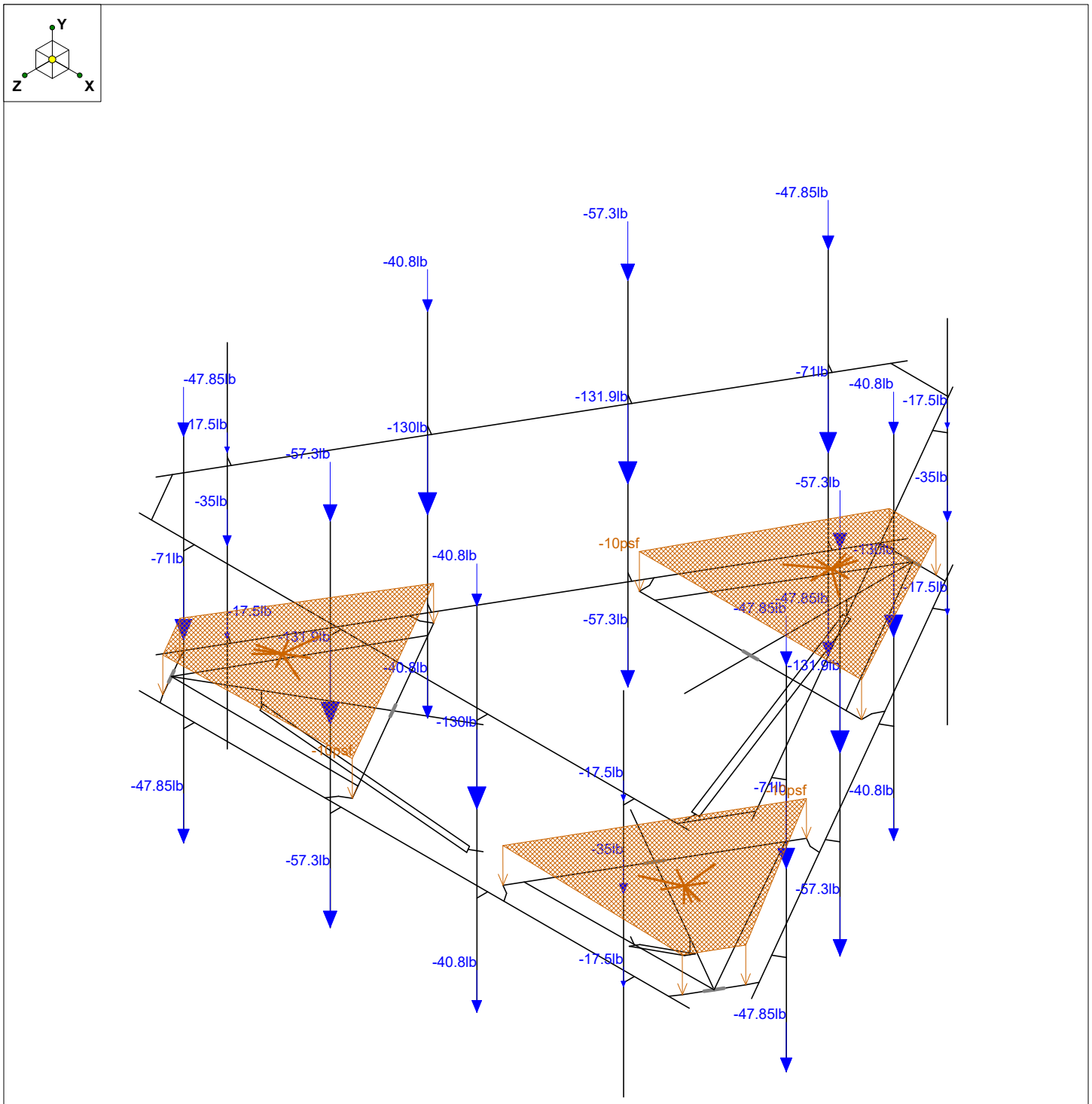
| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Material Sets |
| TM | | Dec 11, 2019 at 11:35 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Member Length (in) Displayed
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Member Length |
| TM | | Dec 11, 2019 at 11:35 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 1, Self Weight
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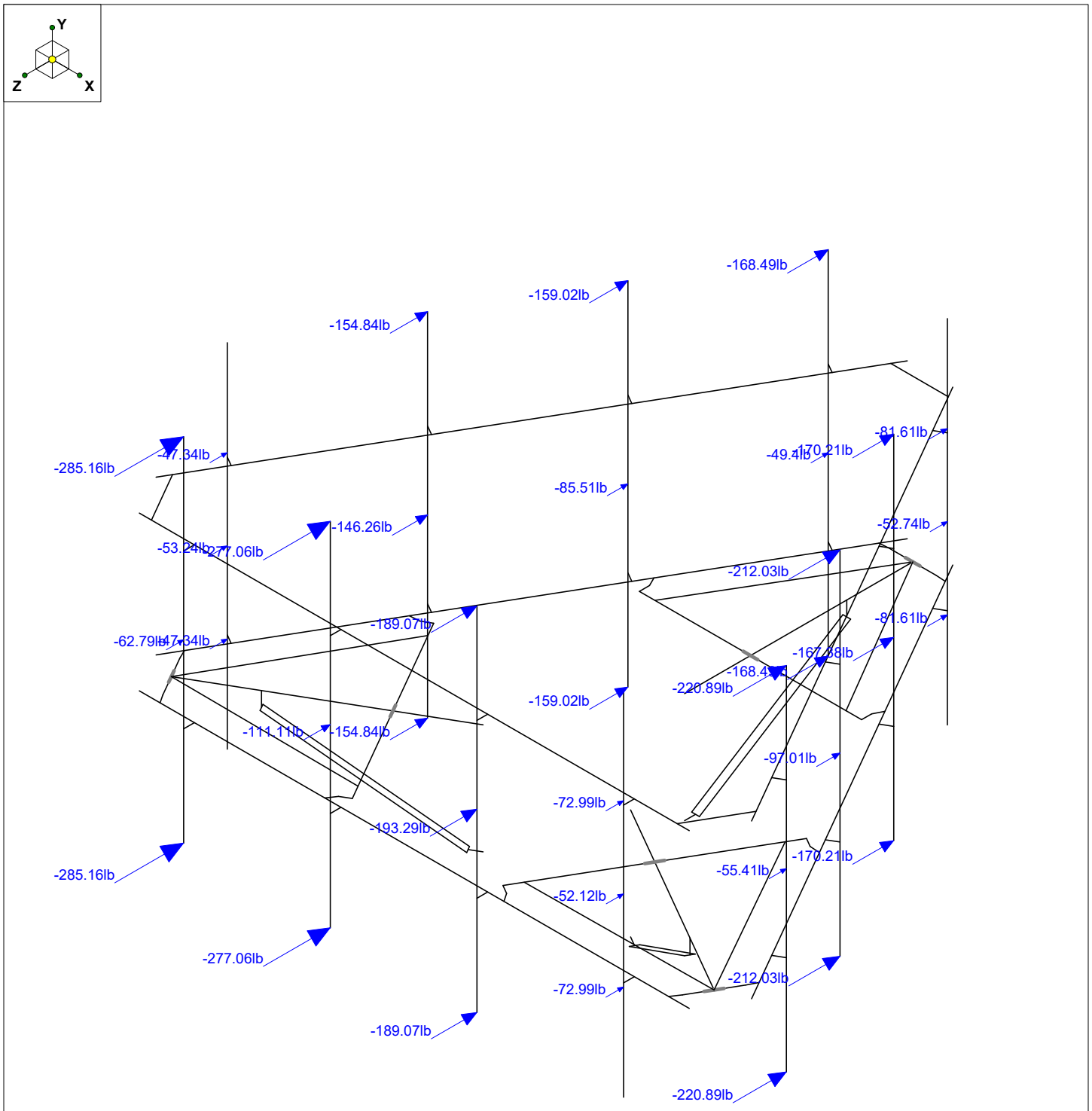
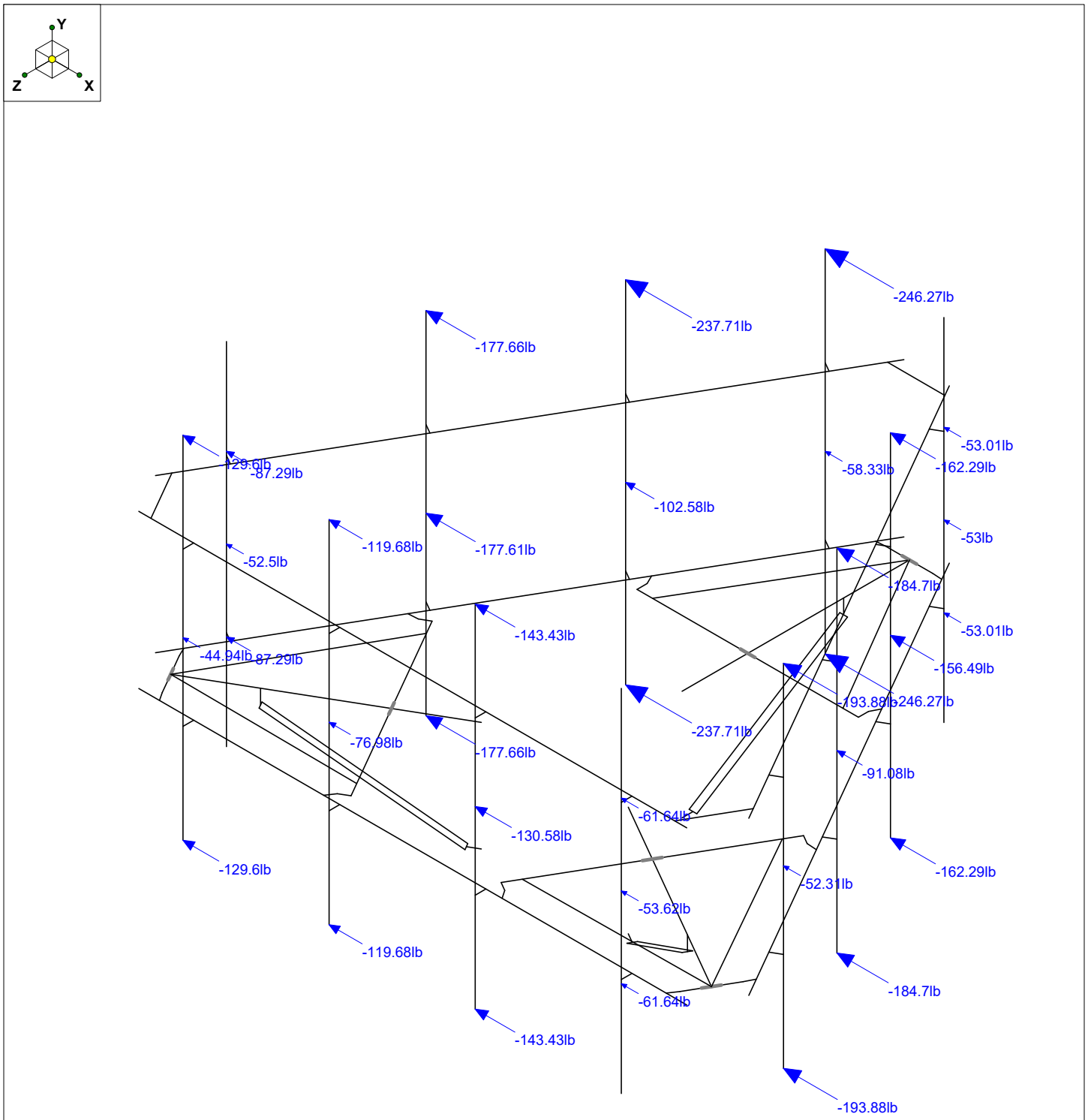
| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Self Weight |
| TM | | Dec 11, 2019 at 11:36 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |



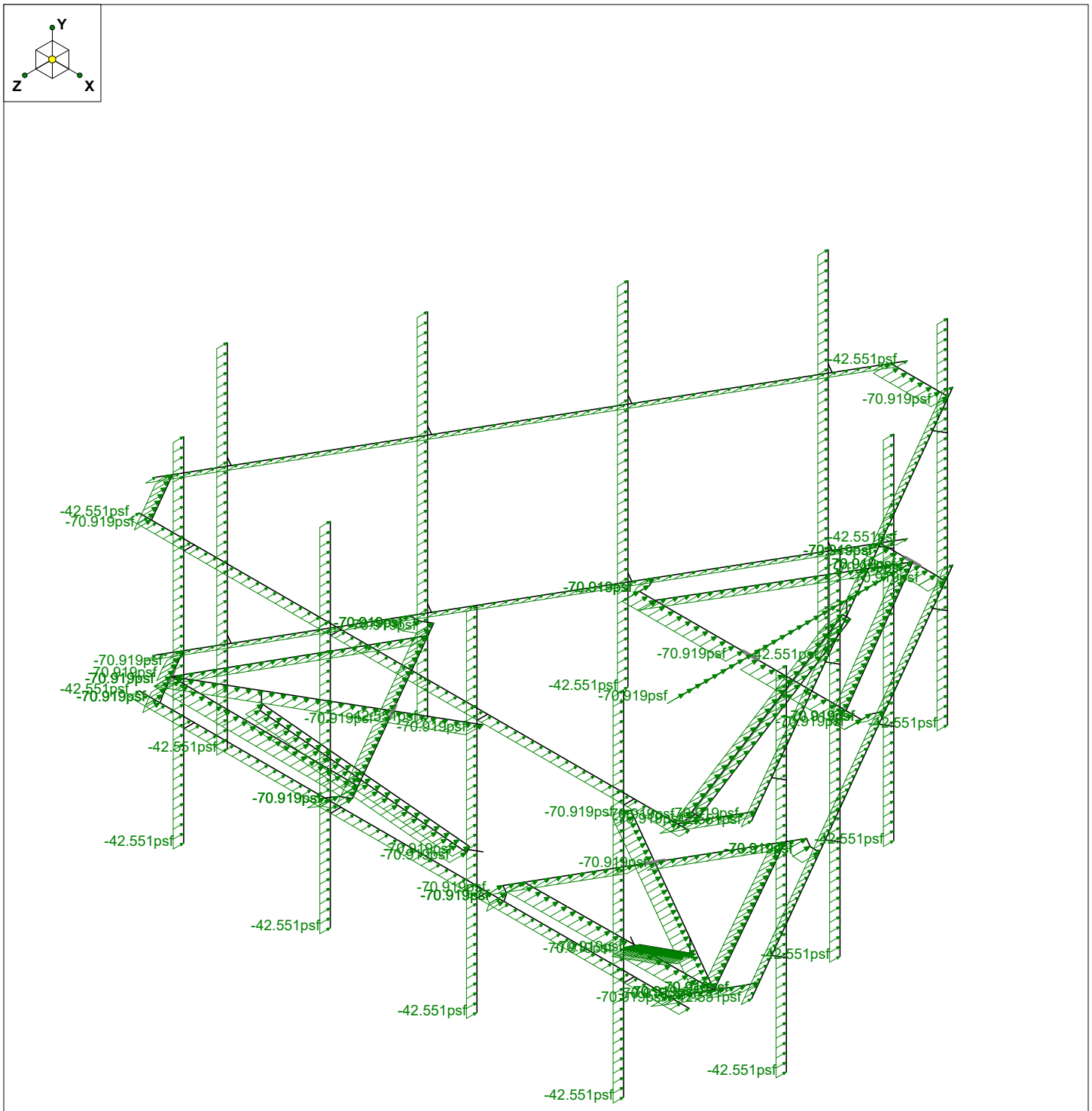

Loads: BLC 2, Wind Load AZI 0
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Wind Load AZI 000 |
| TM | | Dec 11, 2019 at 11:36 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |



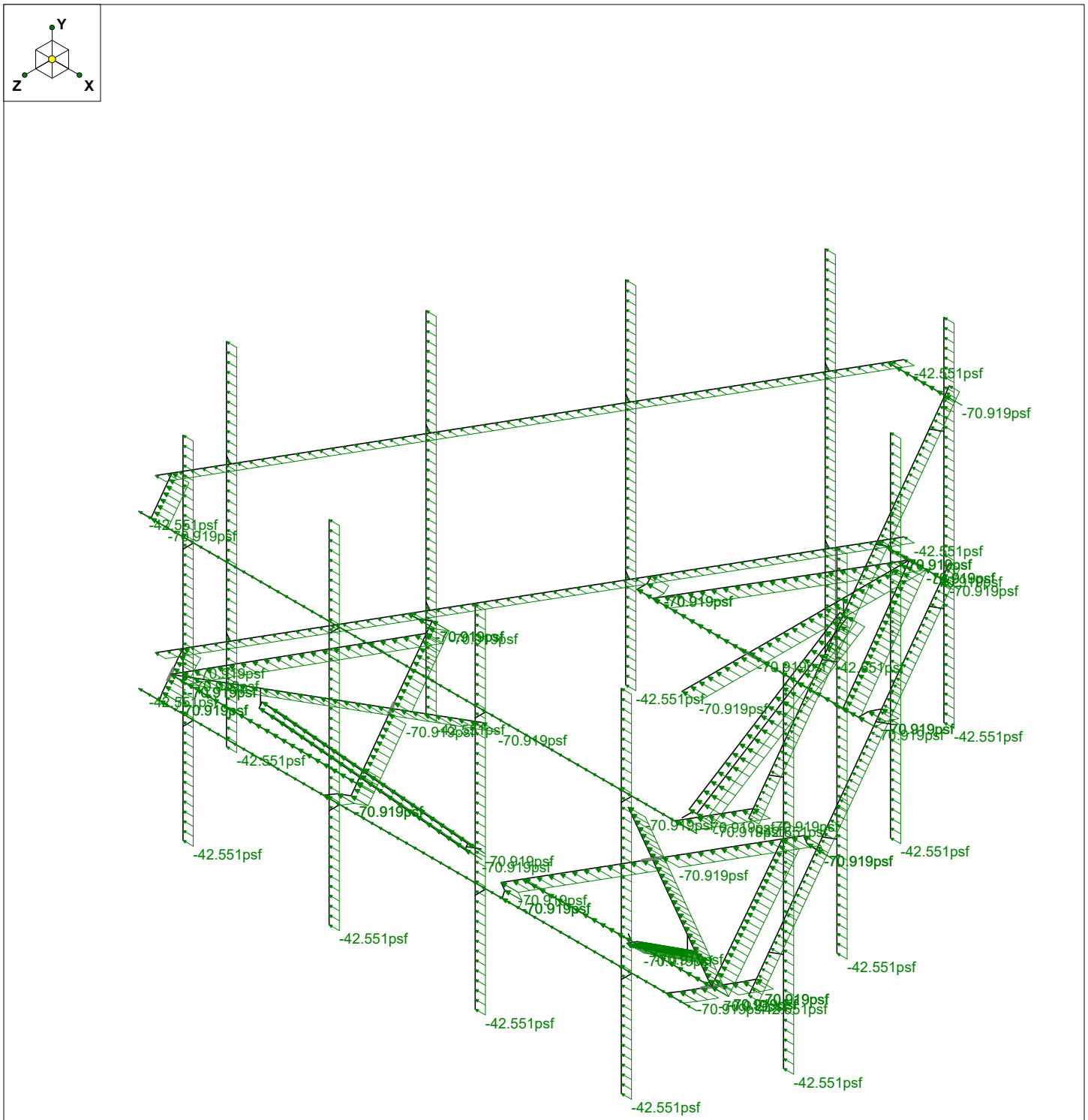

Loads: BLC 5, Wind Load AZI 90
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Wind Load AZI 090 |
| TM | | Dec 11, 2019 at 11:36 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 14, Distr. Wind Load Z
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Distr Wind Load AZI 000 |
| TM | | Dec 11, 2019 at 11:36 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 15, Distr. Wind Load X
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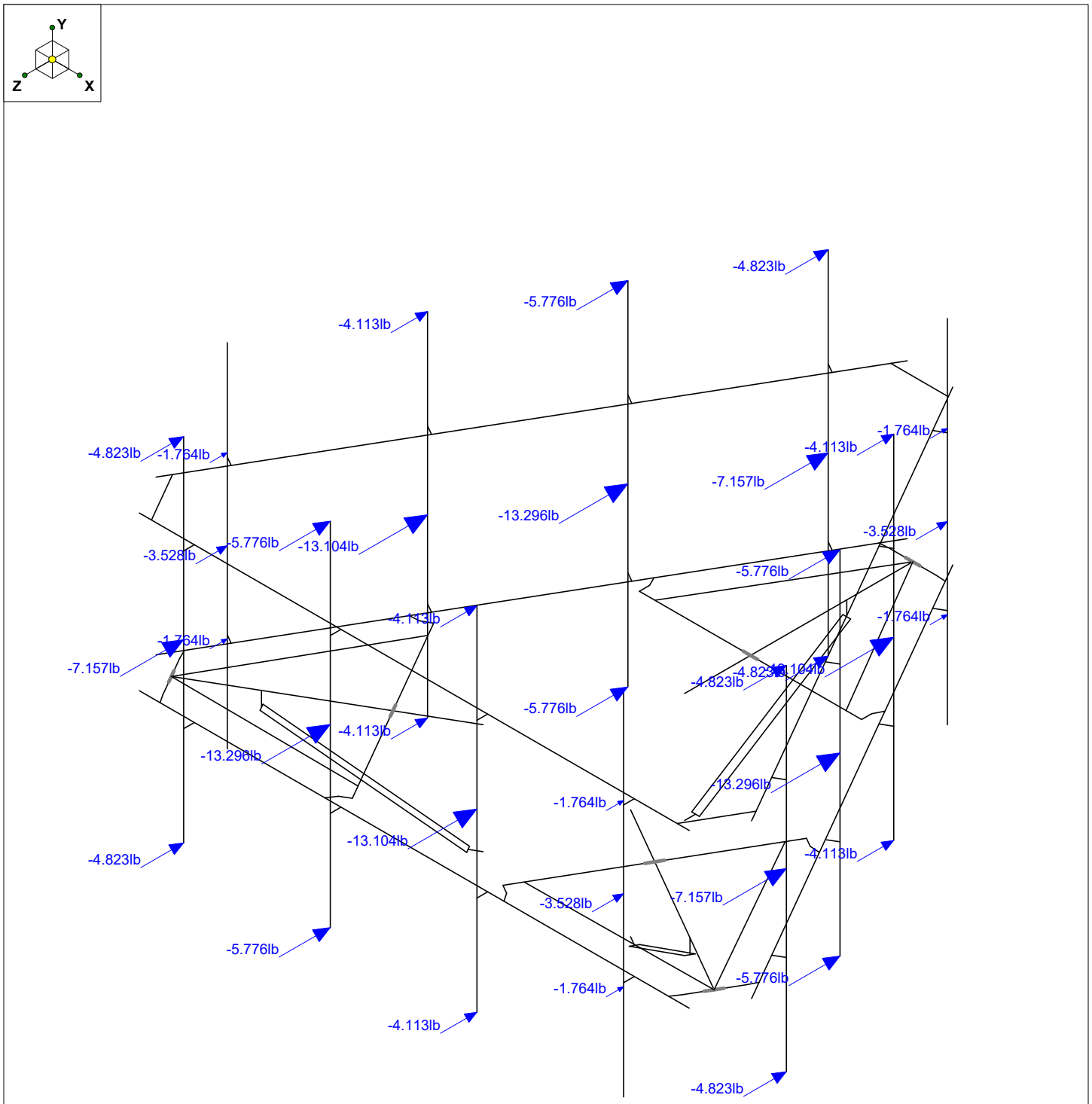
| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Distr Wind Load AZI 090 |
| TM | | Dec 11, 2019 at 11:36 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 31, Seismic Load Z
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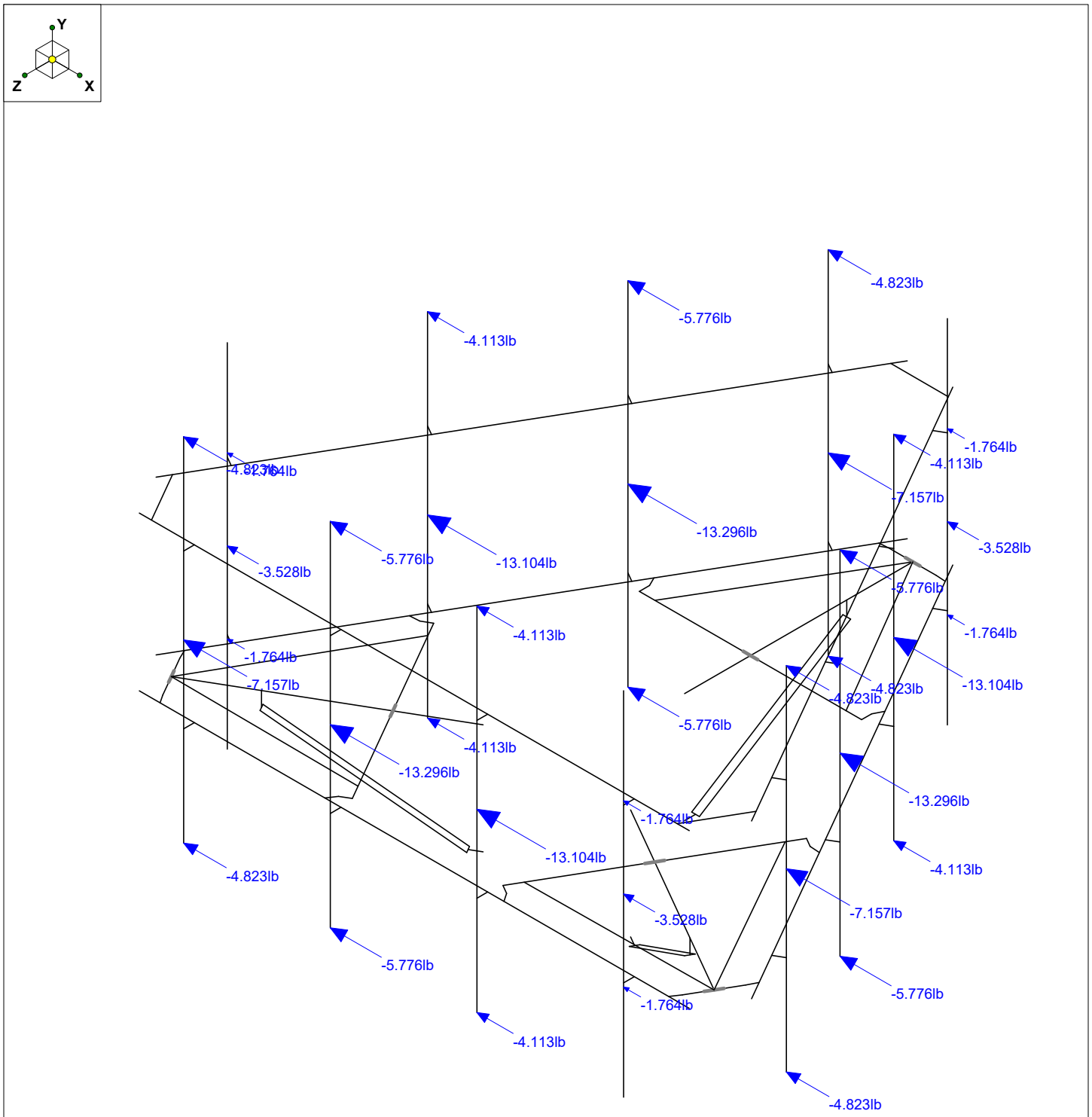
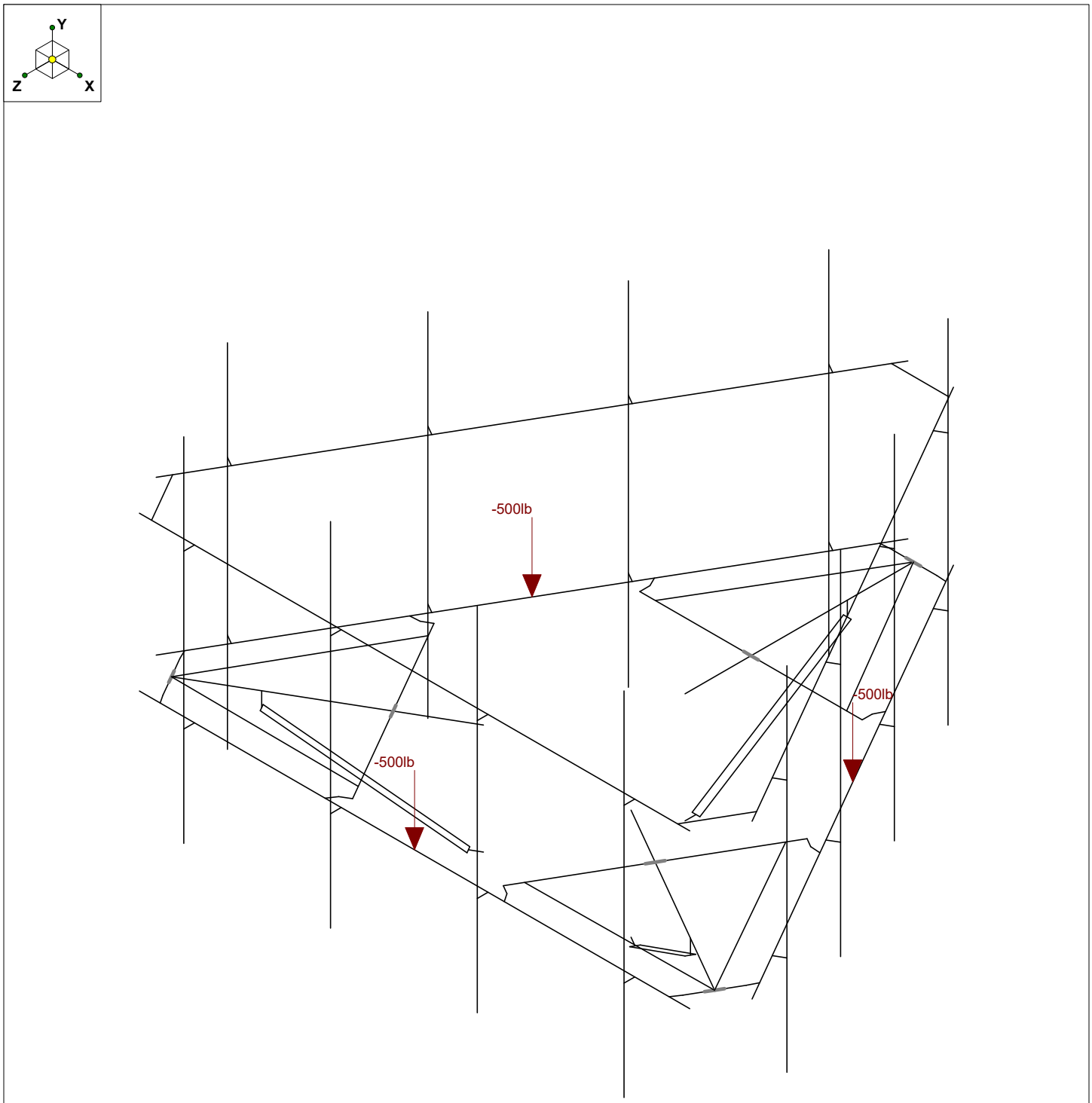
| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Seismic Load AZI 000 |
| TM | | Dec 11, 2019 at 11:37 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 32, Seismic Load X
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Seismic Load AZI 090 |
| TM | | Dec 11, 2019 at 11:37 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 33, Service Live Loads
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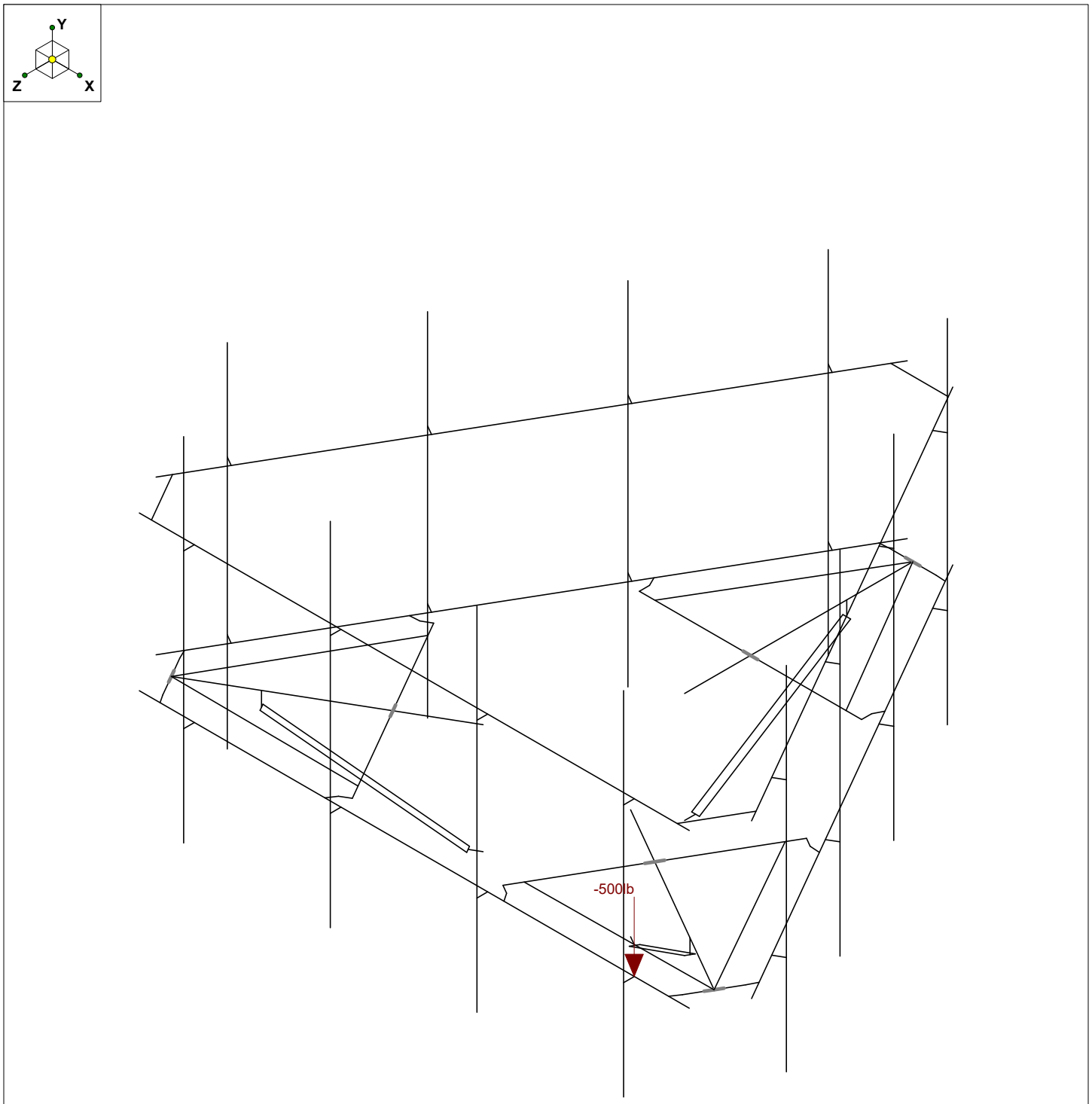
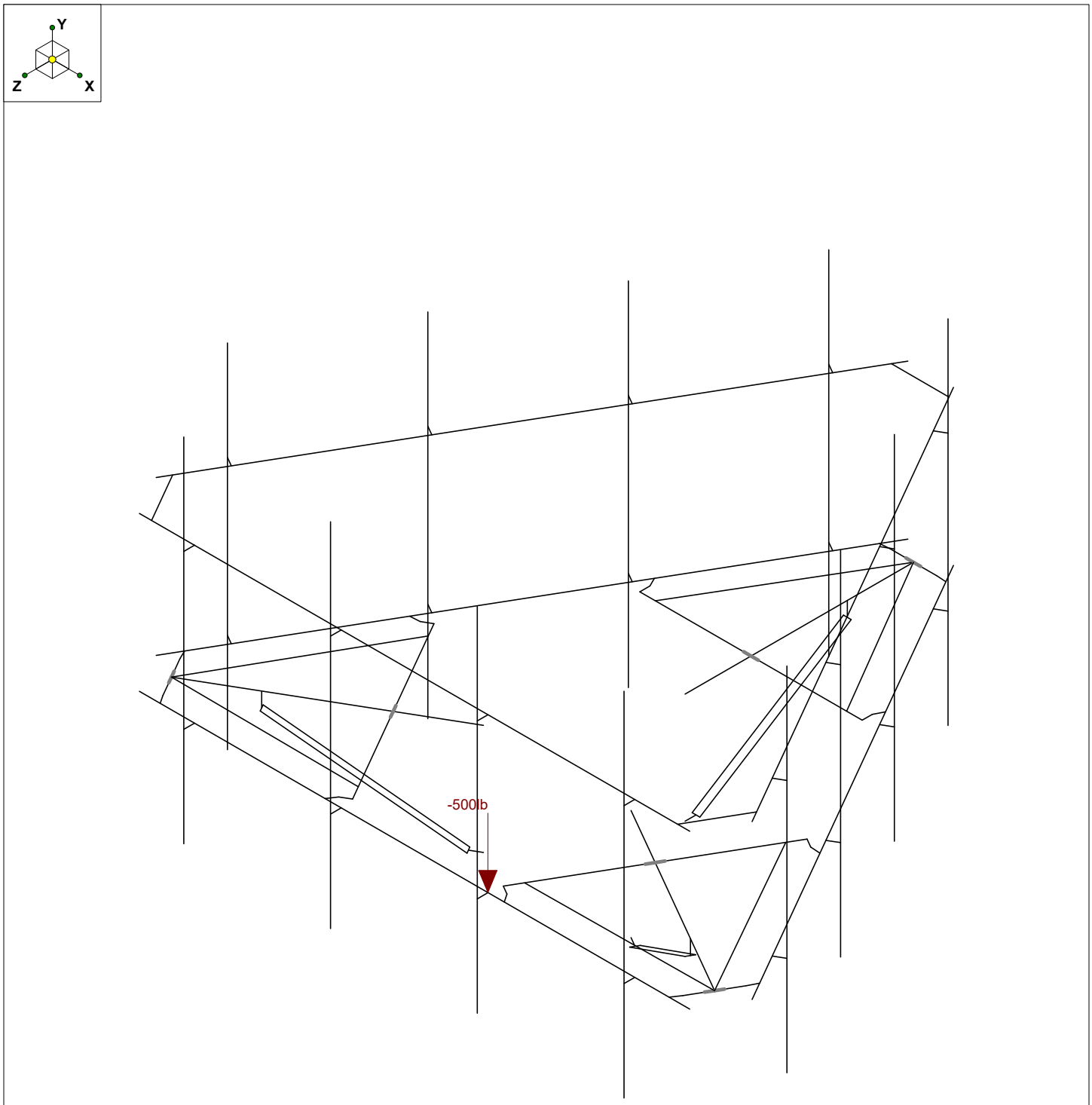
| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Service Loads |
| TM | | Dec 11, 2019 at 11:37 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |



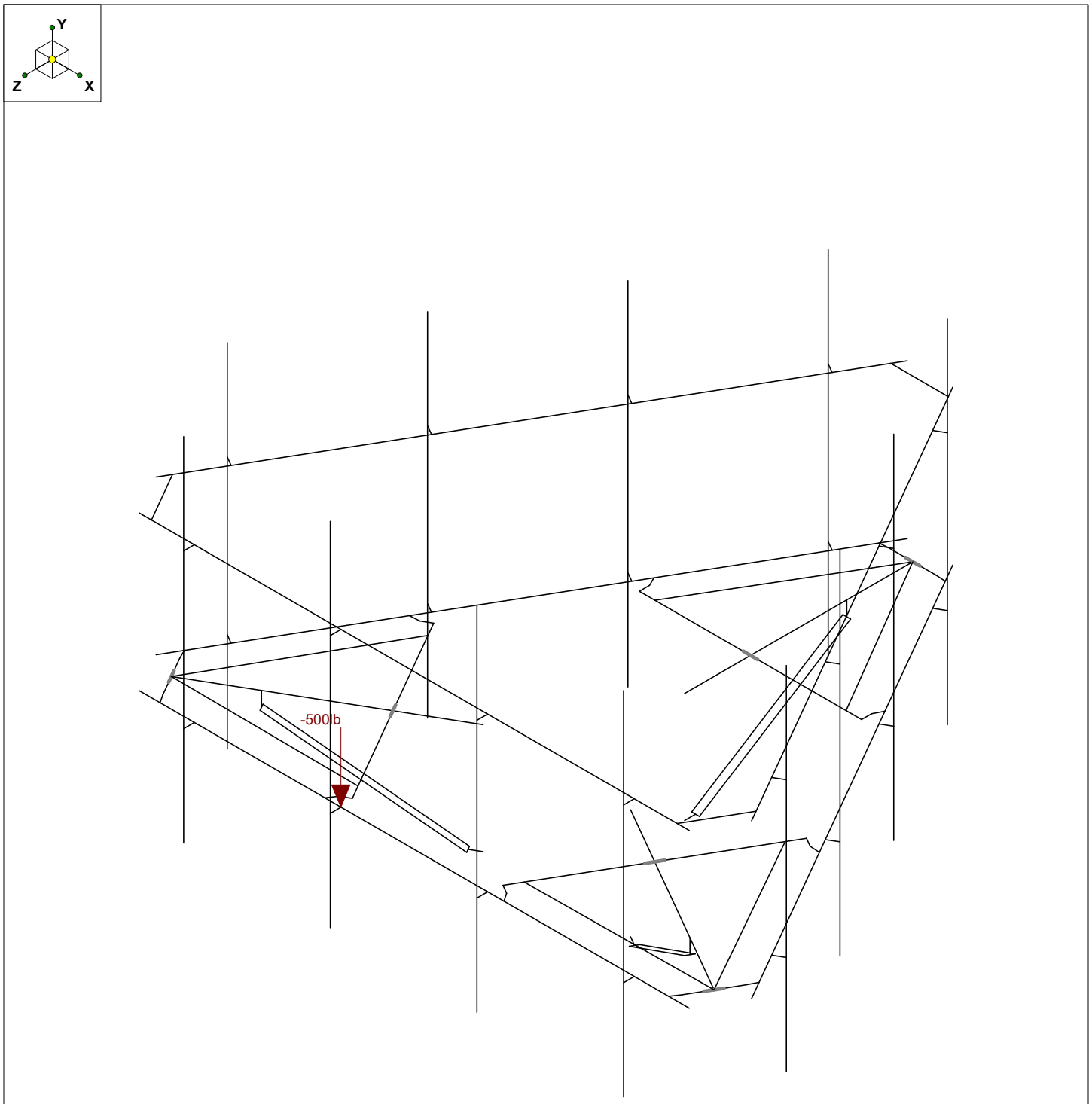

Loads: BLC 34, Maintenance Load 1
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Maintenance Load 1 |
| TM | | Dec 11, 2019 at 11:37 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |



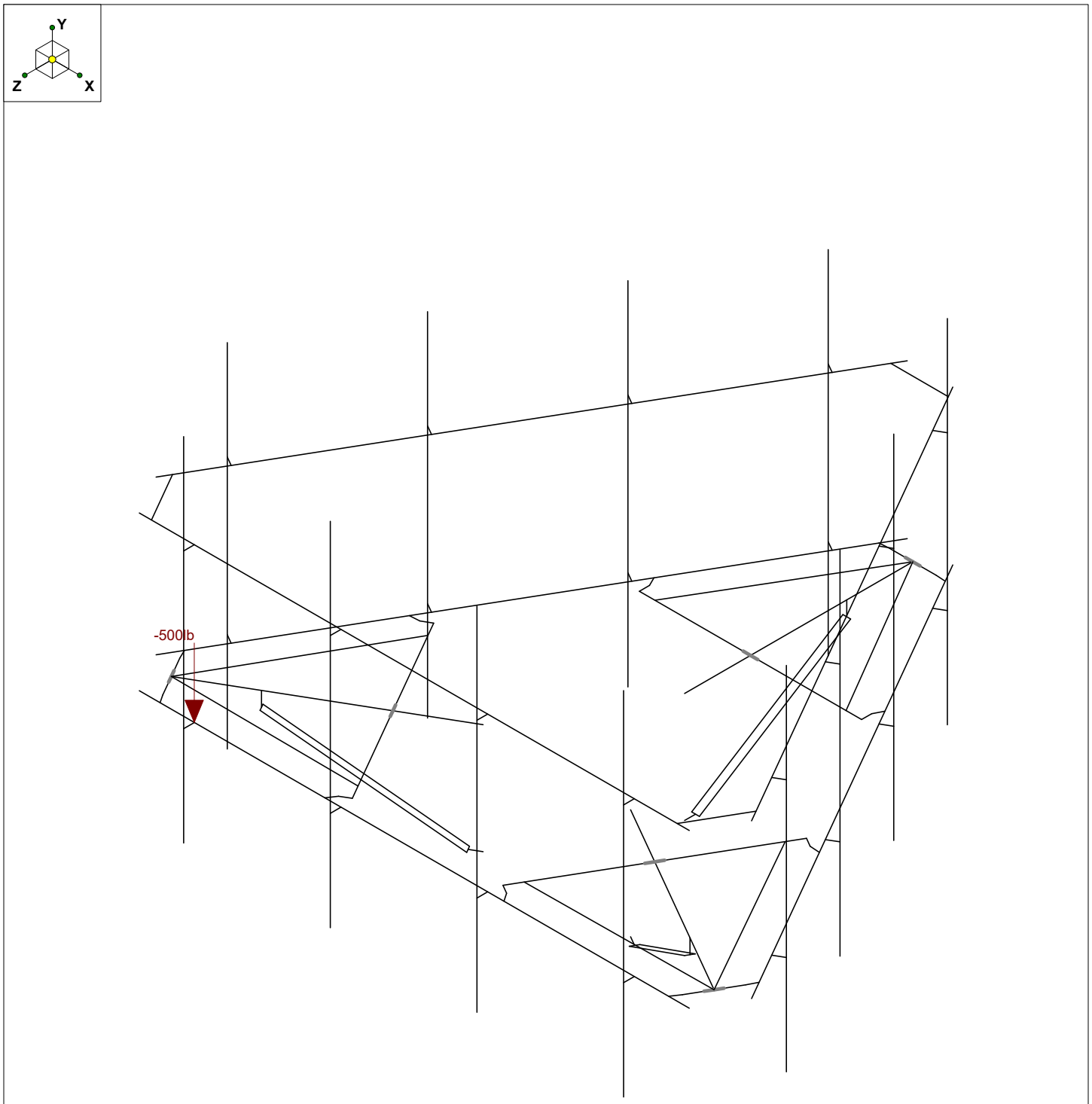

Loads: BLC 35, Maintenance Load 2
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Maintenance Load 2 |
| TM | | Dec 11, 2019 at 11:38 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 36, Maintenance Load 3
Envelope Only Solution

| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Maintenance Load 3 |
| TM | | Dec 11, 2019 at 11:38 AM |
| 1106-A0001-B | | RMQP-496-HK_loaded.r3d |




Loads: BLC 37, Maintenance Load 4
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| | | |
|---|---|---|
| Infinigy Engineering, PLLC | CTL01055 | Maintenance Load 4 |
| TM | | Dec 11, 2019 at 11:38 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: | 1027 | ft *Rev H |

| MOUNT INFORMATION | | |
|---|---|---|
| Mount Type: | Platform | |
| Num Sectors: | 3 | |
| Centerline AGL: | 124.0 | ft |
| Tower Height AGL: | 128.0 | 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 ($K_e$): | 0.96 | *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 ($V_{ult}$): | 120 | mph |
| Design Wind (V): | N/A | mph |
| Ice Wind ($V_{ice}$): | 50 | mph |
| Base Ice Thickness ($t_i$): | 1 | in |
| Flat Pressure: | 70.92 | psf |
| Round Pressure: | 42.55 | psf |
| Ice Wind Pressure: | 7.39 | psf |

| SEISMIC DATA | | |
|---|---|---|
| Short-Period Accel. ($S_s$): | 0.19 | g |
| 1-Second Accel. ($S_1$): | 0.05 | 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 ($\Omega_o$): | 1.00 | |

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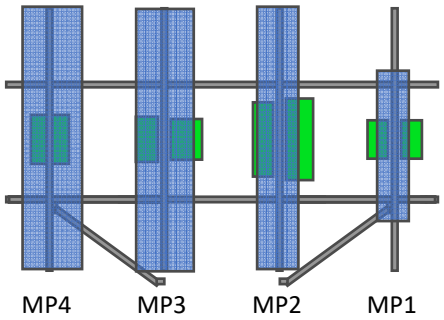
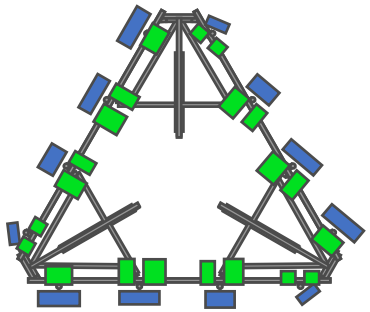
Infinigy Load Calculator V2.1.3

# 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 | 124.0 | 3 | 0.90 | 35.46 | 5.51 | 2.93 | 145.97 | 123.27 | 35.00 | 3.53 | MP1 |
| CCI ANTENNAS TPA-65R-LCUUUU-H8 | 124.0 | 3 | 0.90 | 35.46 | 11.85 | 8.99 | 378.14 | 286.86 | 81.60 | 8.23 | MP2 |
| CCI ANTENNAS DMP65R-BU8D | 124.0 | 3 | 0.90 | 35.46 | 17.87 | 8.12 | 570.33 | 259.21 | 95.70 | 9.65 | MP4 |
| KATHREIN 800-10966 | 124.0 | 3 | 0.90 | 35.46 | 17.36 | 7.50 | 554.11 | 239.35 | 114.60 | 11.55 | MP3 |
| POWERWAVE LGP 21401 | 124.0 | 3 | 0.90 | 35.46 | 0.82 | 0.84 | 26.06 | 26.81 | 17.50 | 1.76 | MP1 |
| POWERWAVE LGP 21401 | 124.0 | 3 | 0.90 | 35.46 | 0.82 | 0.84 | 26.06 | 26.81 | 17.50 | 1.76 | MP1 |
| RAYCAP DC6-48-60-18-8F | 124.0 | 4 | 0.90 | 35.46 | 2.90 | 2.90 | 92.57 | 92.57 | 32.80 | 3.31 | Leg/Flush |
| ERICSSON RRUS-32 B2 | 124.0 | 3 | 0.90 | 35.46 | 2.74 | 1.67 | 87.53 | 53.23 | 53.00 | 5.34 | MP2 |
| ERICSSON RRUS-32 B30 | 124.0 | 3 | 0.90 | 35.46 | 3.31 | 2.42 | 105.76 | 77.35 | 77.00 | 7.76 | MP2 |
| ERICSSON RRUS 4478 B14 | 124.0 | 3 | 0.90 | 35.46 | 1.84 | 1.06 | 58.80 | 33.79 | 59.90 | 6.04 | MP3 |
| ERICSSON RADIO 8843 B2/B66A | 124.0 | 3 | 0.90 | 35.46 | 1.64 | 1.35 | 52.31 | 43.19 | 72.00 | 7.26 | MP3 |
| ERICSSON RRUS 4449 B5/B12 | 124.0 | 3 | 0.90 | 35.46 | 1.97 | 1.41 | 62.79 | 44.94 | 71.00 | 7.16 | MP4 |

## 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 | MP1 | N36 | N37 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 92 | MP2 | N38 | N39 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 93 | MP3 | N132 | N130 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 94 | MP4 | N40 | N41 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 95 | MP5 | N23 | N21 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 96 | MP6 | N152 | N151 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 97 | MP7 | N158 | N157 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 98 | MP8 | N22 | N20 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 99 | MP9 | N29 | N27 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 100 | MP10 | N140 | N139 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 101 | MP11 | N146 | N145 | | | Mount Pipe | Column | None | Q235-GB | Typical |
| 102 | MP12 | N28 | N26 | | | Mount Pipe | Column | None | Q235-GB | Typical |

## Material Takeoff

| | Material | Size | Pieces | Length[in] | Weight[K] |
|---|---|---|---|---|---|
| 1 | General | | | | |
| 2 | RIGID | | 36 | 104.3 | 0 |
| 3 | Total General | | 36 | 104.3 | 0 |
| 4 | | | | | |
| 5 | Hot Rolled Steel | | | | |
| 6 | Q235-GB | HSS4X4X4 | 9 | 356.6 | .341 |

## Material Takeoff (Continued)

| | Material | Size | Pieces | Length[in] | Weight[K] |
|---|---|---|---|---|---|
| 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 | | | 45 | | 3 | |
| 2 | Wind Load AZI 0 | WLZ | | | | | 90 | | | |
| 3 | Wind Load AZI 30 | None | | | | | 90 | | | |
| 4 | Wind Load AZI 60 | None | | | | | 90 | | | |
| 5 | Wind Load AZI 90 | WLX | | | | | 90 | | | |
| 6 | Wind Load AZI 120 | None | | | | | 90 | | | |
| 7 | Wind Load AZI 150 | None | | | | | 90 | | | |
| 8 | Wind Load AZI 180 | None | | | | | 90 | | | |
| 9 | Wind Load AZI 210 | None | | | | | 90 | | | |
| 10 | Wind Load AZI 240 | None | | | | | 90 | | | |
| 11 | Wind Load AZI 270 | None | | | | | 90 | | | |
| 12 | Wind Load AZI 300 | None | | | | | 90 | | | |
| 13 | Wind Load AZI 330 | None | | | | | 90 | | | |
| 14 | Distr. Wind Load Z | WLZ | | | | | | 102 | | |
| 15 | Distr. Wind Load X | WLX | | | | | | 102 | | |
| 16 | Ice Weight | OL1 | | | | | 45 | 102 | 3 | |
| 17 | Ice Wind Load AZI 0 | OL2 | | | | | 90 | | | |
| 18 | Ice Wind Load AZI 30 | None | | | | | 90 | | | |
| 19 | Ice Wind Load AZI 60 | None | | | | | 90 | | | |
| 20 | Ice Wind Load AZI 90 | OL3 | | | | | 90 | | | |
| 21 | Ice Wind Load AZI 120 | None | | | | | 90 | | | |
| 22 | Ice Wind Load AZI 150 | None | | | | | 90 | | | |
| 23 | Ice Wind Load AZI 180 | None | | | | | 90 | | | |
| 24 | Ice Wind Load AZI 210 | None | | | | | 90 | | | |
| 25 | Ice Wind Load AZI 240 | None | | | | | 90 | | | |
| 26 | Ice Wind Load AZI 270 | None | | | | | 90 | | | |
| 27 | Ice Wind Load AZI 300 | None | | | | | 90 | | | |
| 28 | Ice Wind Load AZI 330 | None | | | | | 90 | | | |
| 29 | Distr. Ice Wind Load Z | OL2 | | | | | | 102 | | |
| 30 | Distr. Ice Wind Load X | OL3 | | | | | | 102 | | |
| 31 | Seismic Load Z | ELZ | | | -.101 | | 45 | | | |
| 32 | Seismic Load X | ELX | -.101 | | | | 45 | | | |
| 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 | | | | |
| 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 | | | | |

## Basic Load Cases (Continued)

| | BLC Description | Category | X Gravity | Y Gravity | Z Gravity | Joint | Point | Distribut... | Area(Me... | Surface(... |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 1.24 | 31 | 1 | 32 | | | | | | | | | | | | | | | |
| 40 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | .866 | 32 | .5 | | | | | | | | | | | | | | |
| 41 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | .5 | 32 | .866 | | | | | | | | | | | | | | |
| 42 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | | 32 | 1 | | | | | | | | | | | | | | |
| 43 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | -.5 | 32 | .866 | | | | | | | | | | | | | | |
| 44 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | -.866 | 32 | .5 | | | | | | | | | | | | | | |
| 45 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | -1 | 32 | | | | | | | | | | | | | | | |
| 46 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | -.866 | 32 | -.5 | | | | | | | | | | | | | | |
| 47 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | -.5 | 32 | -.866 | | | | | | | | | | | | | | |
| 48 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | | 32 | -1 | | | | | | | | | | | | | | |
| 49 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | .5 | 32 | -.866 | | | | | | | | | | | | | | |

## 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... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | (1.2 + 0.2Sds)DL ... | Yes | Y | | 1 | 1.24 | 31 | .866 | 32 | -.5 | | | | | | | | | | | | | | |
| 51 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | 1 | 32 | | | | | | | | | | | | | | | |
| 52 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | .866 | 32 | .5 | | | | | | | | | | | | | | |
| 53 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | .5 | 32 | .866 | | | | | | | | | | | | | | |
| 54 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | | 32 | 1 | | | | | | | | | | | | | | |
| 55 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | -.5 | 32 | .866 | | | | | | | | | | | | | | |
| 56 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | -.866 | 32 | .5 | | | | | | | | | | | | | | |
| 57 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | -1 | 32 | | | | | | | | | | | | | | | |
| 58 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | -.866 | 32 | -.5 | | | | | | | | | | | | | | |
| 59 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | -.5 | 32 | -.866 | | | | | | | | | | | | | | |
| 60 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | | 32 | -1 | | | | | | | | | | | | | | |
| 61 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | .5 | 32 | -.866 | | | | | | | | | | | | | | |
| 62 | (0.9 - 0.2Sds)DL ... | Yes | Y | | 1 | .86 | 31 | .866 | 32 | -.5 | | | | | | | | | | | | | | |
| 63 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 2 | .25 | 14 | .25 | 15 | | 33 | 1.5 | | | | | | | | | | |
| 64 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 3 | .25 | 14 | .216 | 15 | .125 | 33 | 1.5 | | | | | | | | | | |
| 65 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 4 | .25 | 14 | .125 | 15 | .216 | 33 | 1.5 | | | | | | | | | | |
| 66 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 5 | .25 | 14 | | 15 | .25 | 33 | 1.5 | | | | | | | | | | |
| 67 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 6 | .25 | 14 | -.125 | 15 | .216 | 33 | 1.5 | | | | | | | | | | |
| 68 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 7 | .25 | 14 | -.216 | 15 | .125 | 33 | 1.5 | | | | | | | | | | |
| 69 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 8 | .25 | 14 | -.25 | 15 | | 33 | 1.5 | | | | | | | | | | |
| 70 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 9 | .25 | 14 | -.216 | 15 | -.125 | 33 | 1.5 | | | | | | | | | | |
| 71 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 10 | .25 | 14 | -.125 | 15 | -.216 | 33 | 1.5 | | | | | | | | | | |
| 72 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 11 | .25 | 14 | | 15 | -.25 | 33 | 1.5 | | | | | | | | | | |
| 73 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 12 | .25 | 14 | .125 | 15 | -.216 | 33 | 1.5 | | | | | | | | | | |
| 74 | 1.0DL + 1.5LL + 1... | Yes | Y | | 1 | 1 | 13 | .25 | 14 | .216 | 15 | -.125 | 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 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 77 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 78 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 79 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 80 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 81 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 82 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 83 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 84 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 85 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 86 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 87 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 34 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 88 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 89 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 90 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 91 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 92 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 93 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 94 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 95 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 96 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 97 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 98 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 99 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 35 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 100 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 101 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 102 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 103 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 104 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 105 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 106 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |

## Load Combinations (Continued)

| | Description | So... | P... | S... | BLC | Fac... | BLC | Fac... | BLC | Fac... | BLC | Fac... | BLC | Fac... | BLC | Fac... | BLC | Fac... | BLC | Fac... | BLC | Fac... | BLC | Fac... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 108 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 109 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 110 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 111 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 36 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 112 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 113 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 114 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 115 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 116 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 117 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 118 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 119 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 120 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 121 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 122 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 123 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 37 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 124 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 125 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 126 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 127 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 128 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 129 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 130 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 131 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 132 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 133 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 134 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 135 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 38 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 136 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 137 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 138 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 139 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 140 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 141 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 142 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 143 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 144 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 145 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 146 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 147 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 39 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 148 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 149 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 150 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 151 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 152 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 153 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 154 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 155 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 156 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 157 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 158 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 159 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 40 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 160 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 161 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 162 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 163 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |

## 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... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 164 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 165 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 166 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 167 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 168 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 169 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 170 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 171 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 41 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 172 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 173 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 174 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 175 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 176 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 177 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 178 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 179 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 180 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 181 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 182 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 183 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 42 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 184 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 185 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 186 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 187 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 188 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 189 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 190 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 191 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 192 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 193 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 194 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 195 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 43 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 196 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 197 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 198 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 199 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 200 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 201 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 202 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 203 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 204 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 205 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 206 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |
| 207 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 44 | 1.5 | 13 | .063 | 14 | .054 | 15 | -.031 | | | | | | | | | | |
| 208 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 2 | .063 | 14 | .063 | 15 | | | | | | | | | | | |
| 209 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 3 | .063 | 14 | .054 | 15 | .031 | | | | | | | | | | |
| 210 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 4 | .063 | 14 | .031 | 15 | .054 | | | | | | | | | | |
| 211 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 5 | .063 | 14 | | 15 | .063 | | | | | | | | | | |
| 212 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 6 | .063 | 14 | -.031 | 15 | .054 | | | | | | | | | | |
| 213 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 7 | .063 | 14 | -.054 | 15 | .031 | | | | | | | | | | |
| 214 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 8 | .063 | 14 | -.063 | 15 | | | | | | | | | | | |
| 215 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 9 | .063 | 14 | -.054 | 15 | -.031 | | | | | | | | | | |
| 216 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 10 | .063 | 14 | -.031 | 15 | -.054 | | | | | | | | | | |
| 217 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 11 | .063 | 14 | | 15 | -.063 | | | | | | | | | | |
| 218 | 1.2DL + 1.5LM-M... | Yes | Y | | 1 | 1.2 | 45 | 1.5 | 12 | .063 | 14 | .031 | 15 | -.054 | | | | | | | | | | |

## 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 | N111 | max | 5238.084 | 6 | 1286.731 | 36 | 2287.51 | 25 | .397 | 14 | 1.954 | 15 | -.039 | 21 |
| 2 | | min | -3164.545 | 24 | 434.314 | 17 | -3494.364 | 7 | -1.124 | 106 | -1.965 | 9 | -1.215 | 137 |
| 3 | N131 | max | 1986.969 | 5 | 1287.443 | 32 | 6336.105 | 2 | 1.39 | 27 | 2.16 | 23 | .693 | 23 |
| 4 | | min | -1977.707 | 23 | 426.461 | 25 | -3936.402 | 20 | .346 | 21 | -2.17 | 5 | -.77 | 5 |
| 5 | N123 | max | 3021.52 | 16 | 1287.294 | 28 | 2242.793 | 15 | .464 | 25 | 2.217 | 19 | 1.284 | 37 |
| 6 | | min | -5104.48 | 10 | 438.608 | 21 | -3433.872 | 9 | -1.049 | 93 | -2.228 | 13 | .024 | 18 |
| 7 | N85 | max | 381.507 | 24 | 2065.017 | 31 | 1779.588 | 31 | 0 | 218 | 0 | 218 | 0 | 218 |
| 8 | | min | -3053.252 | 31 | -236.652 | 24 | -211.544 | 24 | 0 | 1 | 0 | 1 | 0 | 1 |
| 9 | N59 | max | 95.365 | 23 | 2071.006 | 27 | 597.259 | 20 | 0 | 218 | 0 | 218 | 0 | 218 |
| 10 | | min | -108.193 | 5 | -313.894 | 20 | -3548.642 | 27 | 0 | 1 | 0 | 1 | 0 | 1 |
| 11 | N121 | max | 3066.505 | 35 | 2064.383 | 35 | 1754.363 | 35 | 0 | 218 | 0 | 218 | 0 | 218 |
| 12 | | min | -356.194 | 16 | -224.505 | 16 | -211.989 | 16 | 0 | 1 | 0 | 1 | 0 | 1 |
| 13 | Totals: | max | 7036.945 | 17 | 9615.694 | 38 | 7688.818 | 14 | | | | | | |
| 14 | | min | -7036.943 | 23 | 3278.627 | 56 | -7688.825 | 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 | .688 | 27 | 2 | .105 | 27 | | 7 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 2 | MP7 | PIPE_2.0 | .679 | 27 | 10 | .099 | 27 | | 3 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 3 | MP11 | PIPE_2.0 | .653 | 27 | 6 | .097 | 27 | | 10 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 4 | MP2 | PIPE_2.0 | .645 | 27 | 2 | .129 | 27 | | 9 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 5 | MP6 | PIPE_2.0 | .627 | 27 | 10 | .128 | 27 | | 5 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 6 | MP10 | PIPE_2.0 | .609 | 27 | 6 | .140 | 27 | | 13 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 7 | M30 | PIPE_2.0 | .504 | 14.063 | 7 | .304 | 4.6... | | 7 | 25978... | 32130 | 1.872 | 1.872 | 1 | H3-6 |
| 8 | M17 | PIPE_2.0 | .460 | 14.062 | 3 | .300 | 4.6... | | 2 | 25978... | 32130 | 1.872 | 1.872 | 1 | H3-6 |
| 9 | M16 | PIPE_2.0 | .446 | 14.062 | 10 | .295 | 4.6... | | 10 | 25978... | 32130 | 1.872 | 1.872 | 1 | H3-6 |
| 10 | MP5 | PIPE_2.0 | .413 | 27 | 8 | .176 | 27 | | 4 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 11 | MP8 | PIPE_2.0 | .413 | 69 | 11 | .226 | 69 | | 4 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 12 | M34 | L2.5x2.5x4 | .404 | 0 | 2 | .199 | 15.... | y | 3 | 36453... | 38556 | 1.114 | 2.537 | ... | H2-1 |
| 13 | MP12 | PIPE_2.0 | .403 | 69 | 25 | .214 | 69 | | 12 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 14 | M35 | L2.5x2.5x4 | .399 | 15.731 | 10 | .194 | 0 | z | 10 | 36453... | 38556 | 1.114 | 2.537 | ... | H2-1 |
| 15 | MP4 | PIPE_2.0 | .397 | 69 | 20 | .227 | 69 | | 8 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 16 | MP9 | PIPE_2.0 | .395 | 27 | 4 | .169 | 27 | | 12 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 17 | MP1 | PIPE_2.0 | .394 | 27 | 12 | .178 | 27 | | 8 | 14916... | 32130 | 1.872 | 1.872 | ... | H1-1b |
| 18 | M32 | L2.5x2.5x4 | .376 | 0 | 6 | .213 | 15.... | y | 7 | 36453... | 38556 | 1.114 | 2.537 | ... | H2-1 |
| 19 | M23 | PL6x.375 | .258 | 2.75 | 13 | .436 | 2.75 | y | 6 | 70464... | 72900 | .57 | 9.113 | ... | H1-1b |
| 20 | M31 | PL6x.375 | .250 | 2.75 | 5 | .437 | 2.75 | y | 10 | 70465... | 72900 | .57 | 9.113 | ... | H1-1b |
| 21 | M79 | 6"x1/2" Plate | .242 | 0 | 2 | .100 | 0 | y | 175 | 92687... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 22 | M2 | HSS4X4X4 | .242 | 0 | 13 | .154 | 0 | z | 13 | 10175... | 106155 | 12.311 | 12.311 | 1 | H1-1b |
| 23 | M59 | PL6x.375 | .242 | 2.75 | 7 | .535 | 2.75 | y | 2 | 70464... | 72900 | .57 | 9.113 | ... | H1-1b |
| 24 | M3 | HSS4X4X4 | .238 | 0 | 5 | .142 | 0 | z | 5 | 10175... | 106155 | 12.311 | 12.311 | 1 | H1-1b |
| 25 | M75 | 6"x1/2" Plate | .237 | 4.338 | 2 | .111 | 4.3... | y | 12 | 92685... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 26 | M63 | L2x2x3 | .234 | 51.353 | 7 | .011 | 0 | z | 29 | 9346.... | 23392.8 | .558 | 1.215 | ... | H2-1 |
| 27 | M80 | PL6x.375 | .230 | 2.75 | 9 | .457 | 2.75 | y | 2 | 70464... | 72900 | .57 | 9.113 | ... | H1-1b |
| 28 | M27 | PL6x.375 | .227 | 2.75 | 11 | .500 | 2.75 | y | 6 | 70464... | 72900 | .57 | 9.113 | ... | H1-1b |
| 29 | M36 | PL6x.375 | .224 | 2.75 | 3 | .508 | 2.75 | y | 10 | 70464... | 72900 | .57 | 9.113 | ... | H1-1b |
| 30 | M49 | 6"x1/2" Plate | .224 | 0 | 6 | .101 | 4.3... | y | 9 | 92686... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 31 | M58 | 6"x1/2" Plate | .222 | 0 | 9 | .104 | 4.3... | y | 13 | 92686... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 32 | M1 | HSS4X4X4 | .222 | 0 | 9 | .145 | 0 | z | 9 | 10175... | 106155 | 12.311 | 12.311 | 1 | H1-1b |
| 33 | M73 | L2x2x3 | .221 | 51.353 | 9 | .012 | 0 | y | 37 | 9346.... | 23392.8 | .558 | 1.215 | ... | H2-1 |
| 34 | M76 | L2x2x3 | .220 | 51.353 | 3 | .011 | 0 | z | 37 | 9346.... | 23392.8 | .558 | 1.2 | ... | H2-1 |
| 35 | M45 | 6"x1/2" Plate | .219 | 4.338 | 6 | .112 | 4.3... | y | 4 | 92686... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 36 | M54 | 6"x1/2" Plate | .219 | 4.338 | 10 | .116 | 4.3... | y | 8 | 92686... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 37 | M20 | PL6x.375 | .211 | 2.704 | 5 | .205 | 0 | y | 7 | 70544.2 | 72900 | .57 | 9.113 | ... | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | M24 | PL6x.375 | .211 | 2.704 | 7 | .212 | 0 | y | 5 | 70544.2 | 72900 | .57 | 9.113 | ... | H1-1b |
| 39 | M81 | L2x2x3 | .209 | 51.353 | 13 | .012 | 0 | y | 29 | 9346.27 | 23392.8 | .558 | 1.2 | ... | H2-1 |
| 40 | M15 | PL6x.375 | .209 | 2.704 | 13 | .198 | 0 | y | 3 | 70544.2 | 72900 | .57 | 9.113 | ... | H1-1b |
| 41 | M33 | PL6x.375 | .209 | 2.704 | 11 | .221 | 0 | y | 9 | 70544.2 | 72900 | .57 | 9.113 | ... | H1-1b |
| 42 | M70 | L2x2x3 | .208 | 51.353 | 11 | .011 | 0 | z | 33 | 9346.... | 23392.8 | .558 | 1.21 | ... | H2-1 |
| 43 | M67 | L2x2x3 | .207 | 51.353 | 5 | .012 | 0 | y | 33 | 9346.21 | 23392.8 | .558 | 1.209 | ... | H2-1 |
| 44 | M69 | 6"x1/2" Plate | .201 | 2.704 | 2 | .138 | 2.7... | y | 6 | 95420... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 45 | M28 | PL6x.375 | .197 | 2.704 | 9 | .189 | 0 | y | 11 | 70544.2 | 72900 | .57 | 9.113 | ... | H1-1b |
| 46 | M51 | PL6x.375 | .196 | 2.704 | 3 | .230 | 0 | y | 13 | 70544.2 | 72900 | .57 | 9.113 | ... | H1-1b |
| 47 | M62 | 6"x1/2" Plate | .193 | 2.704 | 2 | .092 | 0 | y | 12 | 95420... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 48 | M37 | 6"x1/2" Plate | .185 | 2.704 | 6 | .139 | 2.7... | y | 10 | 95420... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 49 | M46 | 6"x1/2" Plate | .177 | 2.704 | 9 | .148 | 2.7... | y | 2 | 95420... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 50 | M14 | 6"x1/2" Plate | .177 | 2.704 | 6 | .096 | 2.7... | y | 3 | 95420... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 51 | M38 | 6"x1/2" Plate | .176 | 2.704 | 10 | .095 | 2.7... | y | 7 | 95420... | 97200 | 1.012 | 12.15 | ... | H1-1b |
| 52 | M52 | HSS4X4X4 | .167 | 0 | 36 | .095 | 24.... | z | 12 | 10429... | 106155 | 12.311 | 12.311 | ... | H1-1b |
| 53 | M43 | HSS4X4X4 | .167 | 0 | 32 | .101 | 24.... | z | 8 | 10429... | 106155 | 12.311 | 12.311 | ... | H1-1b |
| 54 | M60 | HSS4X4X4 | .167 | 0 | 28 | .096 | 24.... | z | 4 | 10429... | 106155 | 12.311 | 12.311 | ... | H1-1b |
| 55 | M89 | L2.5x2.5x8 | .163 | 48.765 | 13 | .020 | 48.... | z | 13 | 42624... | 73224 | 1.865 | 4.392 | ... | H2-1 |
| 56 | M39 | HSS4X4X4 | .163 | 28.301 | 30 | .093 | 4.1... | z | 4 | 10429... | 106155 | 12.311 | 12.311 | ... | H1-1b |
| 57 | M56 | HSS4X4X4 | .163 | 28.3 | 38 | .092 | 4.1... | z | 12 | 10429... | 106155 | 12.311 | 12.311 | ... | H1-1b |
| 58 | M47 | HSS4X4X4 | .163 | 28.301 | 34 | .099 | 4.1... | z | 8 | 10429... | 106155 | 12.311 | 12.311 | ... | H1-1b |
| 59 | M55 | L2.5x2.5x8 | .158 | 48.765 | 5 | .019 | 48.... | z | 5 | 42624... | 73224 | 1.865 | 4.392 | ... | H2-1 |
| 60 | M77 | L2.5x2.5x8 | .158 | 48.765 | 9 | .019 | 48.... | z | 9 | 42624... | 73224 | 1.865 | 4.392 | ... | H2-1 |
| 61 | M90 | L2.5x2.5x8 | .154 | 48.765 | 7 | .022 | 48.... | y | 13 | 42624... | 73224 | 1.865 | 4.392 | ... | H2-1 |
| 62 | M61 | L2.5x2.5x8 | .151 | 0 | 27 | .021 | 48.... | y | 5 | 42624... | 73224 | 1.865 | 4.392 | ... | H2-1 |
| 63 | M82 | L2.5x2.5x8 | .151 | 0 | 31 | .021 | 48.... | y | 9 | 42624... | 73224 | 1.865 | 4.392 | ... | H2-1 |
| 64 | M5 | PIPE_3.0 | .100 | 75 | 69 | .188 | 143... | | 8 | 59302... | 65205 | 5.749 | 5.749 | 1 | H1-1b |
| 65 | M6 | PIPE_3.0 | .100 | 75 | 73 | .174 | 143... | | 12 | 59302... | 65205 | 5.749 | 5.749 | 1 | H1-1b |
| 66 | M4 | PIPE_3.0 | .100 | 75 | 65 | .174 | 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 |

## Member Advanced Data (Continued)

| | Label | I Release | J Release | I Offset[in] | J Offset[in] | T/C Only | Physical | Defl Rat... | Analysis ... | Inactive | Seismic... |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 |

## Member Advanced Data (Continued)

| | Label | I Release | J Release | I Offset[in] | J Offset[in] | T/C Only | Physical | Defl Rat... | Analysis ... | Inactive | Seismic... |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | MP1 | | | | | | Yes | ** NA ** | | | None |
| 92 | MP2 | | | | | | Yes | ** NA ** | | | None |
| 93 | MP3 | | | | | | Yes | ** NA ** | | | None |
| 94 | MP4 | | | | | | Yes | ** NA ** | | | None |
| 95 | MP5 | | | | | | Yes | ** NA ** | | | None |
| 96 | MP6 | | | | | | Yes | ** NA ** | | | None |
| 97 | MP7 | | | | | | Yes | ** NA ** | | | None |
| 98 | MP8 | | | | | | Yes | ** NA ** | | | None |
| 99 | MP9 | | | | | | Yes | ** NA ** | | | None |
| 100 | MP10 | | | | | | Yes | ** NA ** | | | None |
| 101 | MP11 | | | | | | Yes | ** NA ** | | | None |
| 102 | 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 |

## 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... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 | 26 |
| 2 | MP1 | Y | -17.5 | 70 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 3 | MP2 | Y | -40.8 | 0 |
| 4 | MP2 | Y | -40.8 | 96 |
| 5 | MP4 | Y | -47.85 | 0 |
| 6 | MP4 | Y | -47.85 | 96 |
| 7 | MP3 | Y | -57.3 | 0 |
| 8 | MP3 | Y | -57.3 | 96 |
| 9 | MP1 | Y | -17.5 | 48 |
| 10 | MP1 | Y | -17.5 | 48 |
| 11 | MP2 | Y | -53 | 48 |
| 12 | MP2 | Y | -77 | 48 |
| 13 | MP3 | Y | -59.9 | 48 |
| 14 | MP3 | Y | -72 | 48 |
| 15 | MP4 | Y | -71 | 48 |
| 16 | MP5 | Y | -17.5 | 26 |
| 17 | MP5 | Y | -17.5 | 70 |
| 18 | MP6 | Y | -40.8 | 0 |
| 19 | MP6 | Y | -40.8 | 96 |
| 20 | MP8 | Y | -47.85 | 0 |
| 21 | MP8 | Y | -47.85 | 96 |
| 22 | MP7 | Y | -57.3 | 0 |
| 23 | MP7 | Y | -57.3 | 96 |
| 24 | MP5 | Y | -17.5 | 48 |
| 25 | MP5 | Y | -17.5 | 48 |
| 26 | MP6 | Y | -53 | 48 |
| 27 | MP6 | Y | -77 | 48 |
| 28 | MP7 | Y | -59.9 | 48 |
| 29 | MP7 | Y | -72 | 48 |
| 30 | MP8 | Y | -71 | 48 |
| 31 | MP9 | Y | -17.5 | 26 |
| 32 | MP9 | Y | -17.5 | 70 |
| 33 | MP10 | Y | -40.8 | 0 |
| 34 | MP10 | Y | -40.8 | 96 |
| 35 | MP12 | Y | -47.85 | 0 |
| 36 | MP12 | Y | -47.85 | 96 |
| 37 | MP11 | Y | -57.3 | 0 |
| 38 | MP11 | Y | -57.3 | 96 |
| 39 | MP9 | Y | -17.5 | 48 |
| 40 | MP9 | Y | -17.5 | 48 |
| 41 | MP10 | Y | -53 | 48 |
| 42 | MP10 | Y | -77 | 48 |
| 43 | MP11 | Y | -59.9 | 48 |
| 44 | MP11 | Y | -72 | 48 |
| 45 | MP12 | Y | -71 | 48 |

## Member Point Loads (BLC 2 : Wind Load AZI_0)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 0 | 26 |
| 2 | MP1 | Z | -72.99 | 26 |
| 3 | MP1 | X | 0 | 70 |
| 4 | MP1 | Z | -72.99 | 70 |
| 5 | MP2 | X | 0 | 0 |
| 6 | MP2 | Z | -189.07 | 0 |
| 7 | MP2 | X | 0 | 96 |
| 8 | MP2 | Z | -189.07 | 96 |
| 9 | MP4 | X | 0 | 0 |
| 10 | MP4 | Z | -285.16 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 11 | MP4 | X | 0 | 96 |
| 12 | MP4 | Z | -285.16 | 96 |
| 13 | MP3 | X | 0 | 0 |
| 14 | MP3 | Z | -277.06 | 0 |
| 15 | MP3 | X | 0 | 96 |
| 16 | MP3 | Z | -277.06 | 96 |
| 17 | MP1 | X | 0 | 48 |
| 18 | MP1 | Z | -26.06 | 48 |
| 19 | MP1 | X | 0 | 48 |
| 20 | MP1 | Z | -26.06 | 48 |
| 21 | MP2 | X | 0 | 48 |
| 22 | MP2 | Z | -87.53 | 48 |
| 23 | MP2 | X | 0 | 48 |
| 24 | MP2 | Z | -105.76 | 48 |
| 25 | MP3 | X | 0 | 48 |
| 26 | MP3 | Z | -58.8 | 48 |
| 27 | MP3 | X | 0 | 48 |
| 28 | MP3 | Z | -52.31 | 48 |
| 29 | MP4 | X | 0 | 48 |
| 30 | MP4 | Z | -62.79 | 48 |
| 31 | MP5 | X | 0 | 26 |
| 32 | MP5 | Z | -47.34 | 26 |
| 33 | MP5 | X | 0 | 70 |
| 34 | MP5 | Z | -47.34 | 70 |
| 35 | MP6 | X | 0 | 0 |
| 36 | MP6 | Z | -154.84 | 0 |
| 37 | MP6 | X | 0 | 96 |
| 38 | MP6 | Z | -154.84 | 96 |
| 39 | MP8 | X | 0 | 0 |
| 40 | MP8 | Z | -168.49 | 0 |
| 41 | MP8 | X | 0 | 96 |
| 42 | MP8 | Z | -168.49 | 96 |
| 43 | MP7 | X | 0 | 0 |
| 44 | MP7 | Z | -159.02 | 0 |
| 45 | MP7 | X | 0 | 96 |
| 46 | MP7 | Z | -159.02 | 96 |
| 47 | MP5 | X | 0 | 48 |
| 48 | MP5 | Z | -26.62 | 48 |
| 49 | MP5 | X | 0 | 48 |
| 50 | MP5 | Z | -26.62 | 48 |
| 51 | MP6 | X | 0 | 48 |
| 52 | MP6 | Z | -61.81 | 48 |
| 53 | MP6 | X | 0 | 48 |
| 54 | MP6 | Z | -84.45 | 48 |
| 55 | MP7 | X | 0 | 48 |
| 56 | MP7 | Z | -40.04 | 48 |
| 57 | MP7 | X | 0 | 48 |
| 58 | MP7 | Z | -45.47 | 48 |
| 59 | MP8 | X | 0 | 48 |
| 60 | MP8 | Z | -49.4 | 48 |
| 61 | MP9 | X | 0 | 26 |
| 62 | MP9 | Z | -81.61 | 26 |
| 63 | MP9 | X | 0 | 70 |
| 64 | MP9 | Z | -81.61 | 70 |
| 65 | MP10 | X | 0 | 0 |
| 66 | MP10 | Z | -170.21 | 0 |
| 67 | MP10 | X | 0 | 96 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 68 | MP10 | Z | -170.21 | 96 |
| 69 | MP12 | X | 0 | 0 |
| 70 | MP12 | Z | -220.89 | 0 |
| 71 | MP12 | X | 0 | 96 |
| 72 | MP12 | Z | -220.89 | 96 |
| 73 | MP11 | X | 0 | 0 |
| 74 | MP11 | Z | -212.03 | 0 |
| 75 | MP11 | X | 0 | 96 |
| 76 | MP11 | Z | -212.03 | 96 |
| 77 | MP9 | X | 0 | 48 |
| 78 | MP9 | Z | -26.37 | 48 |
| 79 | MP9 | X | 0 | 48 |
| 80 | MP9 | Z | -26.37 | 48 |
| 81 | MP10 | X | 0 | 48 |
| 82 | MP10 | Z | -73.36 | 48 |
| 83 | MP10 | X | 0 | 48 |
| 84 | MP10 | Z | -94.02 | 48 |
| 85 | MP11 | X | 0 | 48 |
| 86 | MP11 | Z | -48.47 | 48 |
| 87 | MP11 | X | 0 | 48 |
| 88 | MP11 | Z | -48.54 | 48 |
| 89 | MP12 | X | 0 | 48 |
| 90 | MP12 | Z | -55.41 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -43.64 | 26 |
| 2 | MP1 | Z | -75.59 | 26 |
| 3 | MP1 | X | -43.64 | 70 |
| 4 | MP1 | Z | -75.59 | 70 |
| 5 | MP2 | X | -88.83 | 0 |
| 6 | MP2 | Z | -153.86 | 0 |
| 7 | MP2 | X | -88.83 | 96 |
| 8 | MP2 | Z | -153.86 | 96 |
| 9 | MP4 | X | -123.14 | 0 |
| 10 | MP4 | Z | -213.28 | 0 |
| 11 | MP4 | X | -123.14 | 96 |
| 12 | MP4 | Z | -213.28 | 96 |
| 13 | MP3 | X | -118.86 | 0 |
| 14 | MP3 | Z | -205.86 | 0 |
| 15 | MP3 | X | -118.86 | 96 |
| 16 | MP3 | Z | -205.86 | 96 |
| 17 | MP1 | X | -13.12 | 48 |
| 18 | MP1 | Z | -22.73 | 48 |
| 19 | MP1 | X | -13.12 | 48 |
| 20 | MP1 | Z | -22.73 | 48 |
| 21 | MP2 | X | -39.48 | 48 |
| 22 | MP2 | Z | -68.38 | 48 |
| 23 | MP2 | X | -49.33 | 48 |
| 24 | MP2 | Z | -85.44 | 48 |
| 25 | MP3 | X | -26.27 | 48 |
| 26 | MP3 | Z | -45.51 | 48 |
| 27 | MP3 | X | -25.01 | 48 |
| 28 | MP3 | Z | -43.33 | 48 |
| 29 | MP4 | X | -29.16 | 48 |
| 30 | MP4 | Z | -50.51 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 31 | MP5 | X | -26.51 | 26 |
| 32 | MP5 | Z | -45.91 | 26 |
| 33 | MP5 | X | -26.51 | 70 |
| 34 | MP5 | Z | -45.91 | 70 |
| 35 | MP6 | X | -88.83 | 0 |
| 36 | MP6 | Z | -153.86 | 0 |
| 37 | MP6 | X | -88.83 | 96 |
| 38 | MP6 | Z | -153.86 | 96 |
| 39 | MP8 | X | -123.14 | 0 |
| 40 | MP8 | Z | -213.28 | 0 |
| 41 | MP8 | X | -123.14 | 96 |
| 42 | MP8 | Z | -213.28 | 96 |
| 43 | MP7 | X | -118.86 | 0 |
| 44 | MP7 | Z | -205.86 | 0 |
| 45 | MP7 | X | -118.86 | 96 |
| 46 | MP7 | Z | -205.86 | 96 |
| 47 | MP5 | X | -13.12 | 48 |
| 48 | MP5 | Z | -22.73 | 48 |
| 49 | MP5 | X | -13.12 | 48 |
| 50 | MP5 | Z | -22.73 | 48 |
| 51 | MP6 | X | -39.48 | 48 |
| 52 | MP6 | Z | -68.38 | 48 |
| 53 | MP6 | X | -49.33 | 48 |
| 54 | MP6 | Z | -85.44 | 48 |
| 55 | MP7 | X | -26.27 | 48 |
| 56 | MP7 | Z | -45.51 | 48 |
| 57 | MP7 | X | -25.01 | 48 |
| 58 | MP7 | Z | -43.33 | 48 |
| 59 | MP8 | X | -29.16 | 48 |
| 60 | MP8 | Z | -50.51 | 48 |
| 61 | MP9 | X | -30.82 | 26 |
| 62 | MP9 | Z | -53.38 | 26 |
| 63 | MP9 | X | -30.82 | 70 |
| 64 | MP9 | Z | -53.38 | 70 |
| 65 | MP10 | X | -74.38 | 0 |
| 66 | MP10 | Z | -128.84 | 0 |
| 67 | MP10 | X | -74.38 | 96 |
| 68 | MP10 | Z | -128.84 | 96 |
| 69 | MP12 | X | -73.9 | 0 |
| 70 | MP12 | Z | -128 | 0 |
| 71 | MP12 | X | -73.9 | 96 |
| 72 | MP12 | Z | -128 | 96 |
| 73 | MP11 | X | -69.04 | 0 |
| 74 | MP11 | Z | -119.59 | 0 |
| 75 | MP11 | X | -69.04 | 96 |
| 76 | MP11 | Z | -119.59 | 96 |
| 77 | MP9 | X | -13.36 | 48 |
| 78 | MP9 | Z | -23.14 | 48 |
| 79 | MP9 | X | -13.36 | 48 |
| 80 | MP9 | Z | -23.14 | 48 |
| 81 | MP10 | X | -28.62 | 48 |
| 82 | MP10 | Z | -49.58 | 48 |
| 83 | MP10 | X | -40.34 | 48 |
| 84 | MP10 | Z | -69.87 | 48 |
| 85 | MP11 | X | -18.36 | 48 |
| 86 | MP11 | Z | -31.8 | 48 |
| 87 | MP11 | X | -22.13 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 88 | MP11 | Z | -38.33 | 48 |
| 89 | MP12 | X | -23.51 | 48 |
| 90 | MP12 | Z | -40.73 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -70.68 | 26 |
| 2 | MP1 | Z | -40.81 | 26 |
| 3 | MP1 | X | -70.68 | 70 |
| 4 | MP1 | Z | -40.81 | 70 |
| 5 | MP2 | X | -134.1 | 0 |
| 6 | MP2 | Z | -77.42 | 0 |
| 7 | MP2 | X | -134.1 | 96 |
| 8 | MP2 | Z | -77.42 | 96 |
| 9 | MP4 | X | -145.92 | 0 |
| 10 | MP4 | Z | -84.25 | 0 |
| 11 | MP4 | X | -145.92 | 96 |
| 12 | MP4 | Z | -84.25 | 96 |
| 13 | MP3 | X | -137.72 | 0 |
| 14 | MP3 | Z | -79.51 | 0 |
| 15 | MP3 | X | -137.72 | 96 |
| 16 | MP3 | Z | -79.51 | 96 |
| 17 | MP1 | X | -23.05 | 48 |
| 18 | MP1 | Z | -13.31 | 48 |
| 19 | MP1 | X | -23.05 | 48 |
| 20 | MP1 | Z | -13.31 | 48 |
| 21 | MP2 | X | -53.53 | 48 |
| 22 | MP2 | Z | -30.9 | 48 |
| 23 | MP2 | X | -73.14 | 48 |
| 24 | MP2 | Z | -42.23 | 48 |
| 25 | MP3 | X | -34.68 | 48 |
| 26 | MP3 | Z | -20.02 | 48 |
| 27 | MP3 | X | -39.38 | 48 |
| 28 | MP3 | Z | -22.74 | 48 |
| 29 | MP4 | X | -42.78 | 48 |
| 30 | MP4 | Z | -24.7 | 48 |
| 31 | MP5 | X | -63.21 | 26 |
| 32 | MP5 | Z | -36.49 | 26 |
| 33 | MP5 | X | -63.21 | 70 |
| 34 | MP5 | Z | -36.49 | 70 |
| 35 | MP6 | X | -163.74 | 0 |
| 36 | MP6 | Z | -94.54 | 0 |
| 37 | MP6 | X | -163.74 | 96 |
| 38 | MP6 | Z | -94.54 | 96 |
| 39 | MP8 | X | -246.96 | 0 |
| 40 | MP8 | Z | -142.58 | 0 |
| 41 | MP8 | X | -246.96 | 96 |
| 42 | MP8 | Z | -142.58 | 96 |
| 43 | MP7 | X | -239.94 | 0 |
| 44 | MP7 | Z | -138.53 | 0 |
| 45 | MP7 | X | -239.94 | 96 |
| 46 | MP7 | Z | -138.53 | 96 |
| 47 | MP5 | X | -22.57 | 48 |
| 48 | MP5 | Z | -13.03 | 48 |
| 49 | MP5 | X | -22.57 | 48 |
| 50 | MP5 | Z | -13.03 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 51 | MP6 | X | -75.8 | 48 |
| 52 | MP6 | Z | -43.76 | 48 |
| 53 | MP6 | X | -91.59 | 48 |
| 54 | MP6 | Z | -52.88 | 48 |
| 55 | MP7 | X | -50.92 | 48 |
| 56 | MP7 | Z | -29.4 | 48 |
| 57 | MP7 | X | -45.3 | 48 |
| 58 | MP7 | Z | -26.15 | 48 |
| 59 | MP8 | X | -54.38 | 48 |
| 60 | MP8 | Z | -31.39 | 48 |
| 61 | MP9 | X | -40.99 | 26 |
| 62 | MP9 | Z | -23.67 | 26 |
| 63 | MP9 | X | -40.99 | 70 |
| 64 | MP9 | Z | -23.67 | 70 |
| 65 | MP10 | X | -125.41 | 0 |
| 66 | MP10 | Z | -72.4 | 0 |
| 67 | MP10 | X | -125.41 | 96 |
| 68 | MP10 | Z | -72.4 | 96 |
| 69 | MP12 | X | -116.3 | 0 |
| 70 | MP12 | Z | -67.15 | 0 |
| 71 | MP12 | X | -116.3 | 96 |
| 72 | MP12 | Z | -67.15 | 96 |
| 73 | MP11 | X | -107.75 | 0 |
| 74 | MP11 | Z | -62.21 | 0 |
| 75 | MP11 | X | -107.75 | 96 |
| 76 | MP11 | Z | -62.21 | 96 |
| 77 | MP9 | X | -23.2 | 48 |
| 78 | MP9 | Z | -13.39 | 48 |
| 79 | MP9 | X | -23.2 | 48 |
| 80 | MP9 | Z | -13.39 | 48 |
| 81 | MP10 | X | -47 | 48 |
| 82 | MP10 | Z | -27.13 | 48 |
| 83 | MP10 | X | -67.73 | 48 |
| 84 | MP10 | Z | -39.1 | 48 |
| 85 | MP11 | X | -29.91 | 48 |
| 86 | MP11 | Z | -17.27 | 48 |
| 87 | MP11 | X | -37.64 | 48 |
| 88 | MP11 | Z | -21.73 | 48 |
| 89 | MP12 | X | -39.38 | 48 |
| 90 | MP12 | Z | -22.74 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -61.64 | 26 |
| 2 | MP1 | Z | 0 | 26 |
| 3 | MP1 | X | -61.64 | 70 |
| 4 | MP1 | Z | 0 | 70 |
| 5 | MP2 | X | -143.43 | 0 |
| 6 | MP2 | Z | 0 | 0 |
| 7 | MP2 | X | -143.43 | 96 |
| 8 | MP2 | Z | 0 | 96 |
| 9 | MP4 | X | -129.6 | 0 |
| 10 | MP4 | Z | 0 | 0 |
| 11 | MP4 | X | -129.6 | 96 |
| 12 | MP4 | Z | 0 | 96 |
| 13 | MP3 | X | -119.68 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 14 | MP3 | Z | 0 | 0 |
| 15 | MP3 | X | -119.68 | 96 |
| 16 | MP3 | Z | 0 | 96 |
| 17 | MP1 | X | -26.81 | 48 |
| 18 | MP1 | Z | 0 | 48 |
| 19 | MP1 | X | -26.81 | 48 |
| 20 | MP1 | Z | 0 | 48 |
| 21 | MP2 | X | -53.23 | 48 |
| 22 | MP2 | Z | 0 | 48 |
| 23 | MP2 | X | -77.35 | 48 |
| 24 | MP2 | Z | 0 | 48 |
| 25 | MP3 | X | -33.79 | 48 |
| 26 | MP3 | Z | 0 | 48 |
| 27 | MP3 | X | -43.19 | 48 |
| 28 | MP3 | Z | 0 | 48 |
| 29 | MP4 | X | -44.94 | 48 |
| 30 | MP4 | Z | 0 | 48 |
| 31 | MP5 | X | -87.29 | 26 |
| 32 | MP5 | Z | 0 | 26 |
| 33 | MP5 | X | -87.29 | 70 |
| 34 | MP5 | Z | 0 | 70 |
| 35 | MP6 | X | -177.66 | 0 |
| 36 | MP6 | Z | 0 | 0 |
| 37 | MP6 | X | -177.66 | 96 |
| 38 | MP6 | Z | 0 | 96 |
| 39 | MP8 | X | -246.27 | 0 |
| 40 | MP8 | Z | 0 | 0 |
| 41 | MP8 | X | -246.27 | 96 |
| 42 | MP8 | Z | 0 | 96 |
| 43 | MP7 | X | -237.71 | 0 |
| 44 | MP7 | Z | 0 | 0 |
| 45 | MP7 | X | -237.71 | 96 |
| 46 | MP7 | Z | 0 | 96 |
| 47 | MP5 | X | -26.25 | 48 |
| 48 | MP5 | Z | 0 | 48 |
| 49 | MP5 | X | -26.25 | 48 |
| 50 | MP5 | Z | 0 | 48 |
| 51 | MP6 | X | -78.95 | 48 |
| 52 | MP6 | Z | 0 | 48 |
| 53 | MP6 | X | -98.66 | 48 |
| 54 | MP6 | Z | 0 | 48 |
| 55 | MP7 | X | -52.55 | 48 |
| 56 | MP7 | Z | 0 | 48 |
| 57 | MP7 | X | -50.03 | 48 |
| 58 | MP7 | Z | 0 | 48 |
| 59 | MP8 | X | -58.33 | 48 |
| 60 | MP8 | Z | 0 | 48 |
| 61 | MP9 | X | -53.01 | 26 |
| 62 | MP9 | Z | 0 | 26 |
| 63 | MP9 | X | -53.01 | 70 |
| 64 | MP9 | Z | 0 | 70 |
| 65 | MP10 | X | -162.29 | 0 |
| 66 | MP10 | Z | 0 | 0 |
| 67 | MP10 | X | -162.29 | 96 |
| 68 | MP10 | Z | 0 | 96 |
| 69 | MP12 | X | -193.88 | 0 |
| 70 | MP12 | Z | 0 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 71 | MP12 | X | -193.88 | 96 |
| 72 | MP12 | Z | 0 | 96 |
| 73 | MP11 | X | -184.7 | 0 |
| 74 | MP11 | Z | 0 | 0 |
| 75 | MP11 | X | -184.7 | 96 |
| 76 | MP11 | Z | 0 | 96 |
| 77 | MP9 | X | -26.5 | 48 |
| 78 | MP9 | Z | 0 | 48 |
| 79 | MP9 | X | -26.5 | 48 |
| 80 | MP9 | Z | 0 | 48 |
| 81 | MP10 | X | -67.4 | 48 |
| 82 | MP10 | Z | 0 | 48 |
| 83 | MP10 | X | -89.09 | 48 |
| 84 | MP10 | Z | 0 | 48 |
| 85 | MP11 | X | -44.12 | 48 |
| 86 | MP11 | Z | 0 | 48 |
| 87 | MP11 | X | -46.96 | 48 |
| 88 | MP11 | Z | 0 | 48 |
| 89 | MP12 | X | -52.31 | 48 |
| 90 | MP12 | Z | 0 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -40.99 | 26 |
| 2 | MP1 | Z | 23.67 | 26 |
| 3 | MP1 | X | -40.99 | 70 |
| 4 | MP1 | Z | 23.67 | 70 |
| 5 | MP2 | X | -134.1 | 0 |
| 6 | MP2 | Z | 77.42 | 0 |
| 7 | MP2 | X | -134.1 | 96 |
| 8 | MP2 | Z | 77.42 | 96 |
| 9 | MP4 | X | -145.92 | 0 |
| 10 | MP4 | Z | 84.25 | 0 |
| 11 | MP4 | X | -145.92 | 96 |
| 12 | MP4 | Z | 84.25 | 96 |
| 13 | MP3 | X | -137.72 | 0 |
| 14 | MP3 | Z | 79.51 | 0 |
| 15 | MP3 | X | -137.72 | 96 |
| 16 | MP3 | Z | 79.51 | 96 |
| 17 | MP1 | X | -23.05 | 48 |
| 18 | MP1 | Z | 13.31 | 48 |
| 19 | MP1 | X | -23.05 | 48 |
| 20 | MP1 | Z | 13.31 | 48 |
| 21 | MP2 | X | -53.53 | 48 |
| 22 | MP2 | Z | 30.9 | 48 |
| 23 | MP2 | X | -73.14 | 48 |
| 24 | MP2 | Z | 42.23 | 48 |
| 25 | MP3 | X | -34.68 | 48 |
| 26 | MP3 | Z | 20.02 | 48 |
| 27 | MP3 | X | -39.38 | 48 |
| 28 | MP3 | Z | 22.74 | 48 |
| 29 | MP4 | X | -42.78 | 48 |
| 30 | MP4 | Z | 24.7 | 48 |
| 31 | MP5 | X | -70.68 | 26 |
| 32 | MP5 | Z | 40.81 | 26 |
| 33 | MP5 | X | -70.68 | 70 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 34 | MP5 | Z | 40.81 | 70 |
| 35 | MP6 | X | -134.1 | 0 |
| 36 | MP6 | Z | 77.42 | 0 |
| 37 | MP6 | X | -134.1 | 96 |
| 38 | MP6 | Z | 77.42 | 96 |
| 39 | MP8 | X | -145.92 | 0 |
| 40 | MP8 | Z | 84.25 | 0 |
| 41 | MP8 | X | -145.92 | 96 |
| 42 | MP8 | Z | 84.25 | 96 |
| 43 | MP7 | X | -137.72 | 0 |
| 44 | MP7 | Z | 79.51 | 0 |
| 45 | MP7 | X | -137.72 | 96 |
| 46 | MP7 | Z | 79.51 | 96 |
| 47 | MP5 | X | -23.05 | 48 |
| 48 | MP5 | Z | 13.31 | 48 |
| 49 | MP5 | X | -23.05 | 48 |
| 50 | MP5 | Z | 13.31 | 48 |
| 51 | MP6 | X | -53.53 | 48 |
| 52 | MP6 | Z | 30.9 | 48 |
| 53 | MP6 | X | -73.14 | 48 |
| 54 | MP6 | Z | 42.23 | 48 |
| 55 | MP7 | X | -34.68 | 48 |
| 56 | MP7 | Z | 20.02 | 48 |
| 57 | MP7 | X | -39.38 | 48 |
| 58 | MP7 | Z | 22.74 | 48 |
| 59 | MP8 | X | -42.78 | 48 |
| 60 | MP8 | Z | 24.7 | 48 |
| 61 | MP9 | X | -63.21 | 26 |
| 62 | MP9 | Z | 36.49 | 26 |
| 63 | MP9 | X | -63.21 | 70 |
| 64 | MP9 | Z | 36.49 | 70 |
| 65 | MP10 | X | -159.12 | 0 |
| 66 | MP10 | Z | 91.87 | 0 |
| 67 | MP10 | X | -159.12 | 96 |
| 68 | MP10 | Z | 91.87 | 96 |
| 69 | MP12 | X | -231.2 | 0 |
| 70 | MP12 | Z | 133.48 | 0 |
| 71 | MP12 | X | -231.2 | 96 |
| 72 | MP12 | Z | 133.48 | 96 |
| 73 | MP11 | X | -223.99 | 0 |
| 74 | MP11 | Z | 129.32 | 0 |
| 75 | MP11 | X | -223.99 | 96 |
| 76 | MP11 | Z | 129.32 | 96 |
| 77 | MP9 | X | -22.65 | 48 |
| 78 | MP9 | Z | 13.07 | 48 |
| 79 | MP9 | X | -22.65 | 48 |
| 80 | MP9 | Z | 13.07 | 48 |
| 81 | MP10 | X | -72.33 | 48 |
| 82 | MP10 | Z | 41.76 | 48 |
| 83 | MP10 | X | -88.71 | 48 |
| 84 | MP10 | Z | 51.22 | 48 |
| 85 | MP11 | X | -48.39 | 48 |
| 86 | MP11 | Z | 27.94 | 48 |
| 87 | MP11 | X | -44.38 | 48 |
| 88 | MP11 | Z | 25.62 | 48 |
| 89 | MP12 | X | -52.57 | 48 |
| 90 | MP12 | Z | 30.35 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -26.51 | 26 |
| 2 | MP1 | Z | 45.91 | 26 |
| 3 | MP1 | X | -26.51 | 70 |
| 4 | MP1 | Z | 45.91 | 70 |
| 5 | MP2 | X | -88.83 | 0 |
| 6 | MP2 | Z | 153.86 | 0 |
| 7 | MP2 | X | -88.83 | 96 |
| 8 | MP2 | Z | 153.86 | 96 |
| 9 | MP4 | X | -123.14 | 0 |
| 10 | MP4 | Z | 213.28 | 0 |
| 11 | MP4 | X | -123.14 | 96 |
| 12 | MP4 | Z | 213.28 | 96 |
| 13 | MP3 | X | -118.86 | 0 |
| 14 | MP3 | Z | 205.86 | 0 |
| 15 | MP3 | X | -118.86 | 96 |
| 16 | MP3 | Z | 205.86 | 96 |
| 17 | MP1 | X | -13.12 | 48 |
| 18 | MP1 | Z | 22.73 | 48 |
| 19 | MP1 | X | -13.12 | 48 |
| 20 | MP1 | Z | 22.73 | 48 |
| 21 | MP2 | X | -39.48 | 48 |
| 22 | MP2 | Z | 68.38 | 48 |
| 23 | MP2 | X | -49.33 | 48 |
| 24 | MP2 | Z | 85.44 | 48 |
| 25 | MP3 | X | -26.27 | 48 |
| 26 | MP3 | Z | 45.51 | 48 |
| 27 | MP3 | X | -25.01 | 48 |
| 28 | MP3 | Z | 43.33 | 48 |
| 29 | MP4 | X | -29.16 | 48 |
| 30 | MP4 | Z | 50.51 | 48 |
| 31 | MP5 | X | -30.82 | 26 |
| 32 | MP5 | Z | 53.38 | 26 |
| 33 | MP5 | X | -30.82 | 70 |
| 34 | MP5 | Z | 53.38 | 70 |
| 35 | MP6 | X | -71.72 | 0 |
| 36 | MP6 | Z | 124.21 | 0 |
| 37 | MP6 | X | -71.72 | 96 |
| 38 | MP6 | Z | 124.21 | 96 |
| 39 | MP8 | X | -64.8 | 0 |
| 40 | MP8 | Z | 112.24 | 0 |
| 41 | MP8 | X | -64.8 | 96 |
| 42 | MP8 | Z | 112.24 | 96 |
| 43 | MP7 | X | -59.84 | 0 |
| 44 | MP7 | Z | 103.64 | 0 |
| 45 | MP7 | X | -59.84 | 96 |
| 46 | MP7 | Z | 103.64 | 96 |
| 47 | MP5 | X | -13.4 | 48 |
| 48 | MP5 | Z | 23.22 | 48 |
| 49 | MP5 | X | -13.4 | 48 |
| 50 | MP5 | Z | 23.22 | 48 |
| 51 | MP6 | X | -26.62 | 48 |
| 52 | MP6 | Z | 46.1 | 48 |
| 53 | MP6 | X | -38.68 | 48 |
| 54 | MP6 | Z | 66.99 | 48 |
| 55 | MP7 | X | -16.89 | 48 |
| 56 | MP7 | Z | 29.26 | 48 |
| 57 | MP7 | X | -21.6 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 58 | MP7 | Z | 37.41 | 48 |
| 59 | MP8 | X | -22.47 | 48 |
| 60 | MP8 | Z | 38.92 | 48 |
| 61 | MP9 | X | -43.64 | 26 |
| 62 | MP9 | Z | 75.59 | 26 |
| 63 | MP9 | X | -43.64 | 70 |
| 64 | MP9 | Z | 75.59 | 70 |
| 65 | MP10 | X | -93.85 | 0 |
| 66 | MP10 | Z | 162.55 | 0 |
| 67 | MP10 | X | -93.85 | 96 |
| 68 | MP10 | Z | 162.55 | 96 |
| 69 | MP12 | X | -140.24 | 0 |
| 70 | MP12 | Z | 242.9 | 0 |
| 71 | MP12 | X | -140.24 | 96 |
| 72 | MP12 | Z | 242.9 | 96 |
| 73 | MP11 | X | -136.16 | 0 |
| 74 | MP11 | Z | 235.83 | 0 |
| 75 | MP11 | X | -136.16 | 96 |
| 76 | MP11 | Z | 235.83 | 96 |
| 77 | MP9 | X | -13.04 | 48 |
| 78 | MP9 | Z | 22.59 | 48 |
| 79 | MP9 | X | -13.04 | 48 |
| 80 | MP9 | Z | 22.59 | 48 |
| 81 | MP10 | X | -43.25 | 48 |
| 82 | MP10 | Z | 74.91 | 48 |
| 83 | MP10 | X | -52.45 | 48 |
| 84 | MP10 | Z | 90.85 | 48 |
| 85 | MP11 | X | -29.02 | 48 |
| 86 | MP11 | Z | 50.27 | 48 |
| 87 | MP11 | X | -26.02 | 48 |
| 88 | MP11 | Z | 45.06 | 48 |
| 89 | MP12 | X | -31.13 | 48 |
| 90 | MP12 | Z | 53.91 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 0 | 26 |
| 2 | MP1 | Z | 72.99 | 26 |
| 3 | MP1 | X | 0 | 70 |
| 4 | MP1 | Z | 72.99 | 70 |
| 5 | MP2 | X | 0 | 0 |
| 6 | MP2 | Z | 189.07 | 0 |
| 7 | MP2 | X | 0 | 96 |
| 8 | MP2 | Z | 189.07 | 96 |
| 9 | MP4 | X | 0 | 0 |
| 10 | MP4 | Z | 285.16 | 0 |
| 11 | MP4 | X | 0 | 96 |
| 12 | MP4 | Z | 285.16 | 96 |
| 13 | MP3 | X | 0 | 0 |
| 14 | MP3 | Z | 277.06 | 0 |
| 15 | MP3 | X | 0 | 96 |
| 16 | MP3 | Z | 277.06 | 96 |
| 17 | MP1 | X | 0 | 48 |
| 18 | MP1 | Z | 26.06 | 48 |
| 19 | MP1 | X | 0 | 48 |
| 20 | MP1 | Z | 26.06 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 21 | MP2 | X | 0 | 48 |
| 22 | MP2 | Z | 87.53 | 48 |
| 23 | MP2 | X | 0 | 48 |
| 24 | MP2 | Z | 105.76 | 48 |
| 25 | MP3 | X | 0 | 48 |
| 26 | MP3 | Z | 58.8 | 48 |
| 27 | MP3 | X | 0 | 48 |
| 28 | MP3 | Z | 52.31 | 48 |
| 29 | MP4 | X | 0 | 48 |
| 30 | MP4 | Z | 62.79 | 48 |
| 31 | MP5 | X | 0 | 26 |
| 32 | MP5 | Z | 47.34 | 26 |
| 33 | MP5 | X | 0 | 70 |
| 34 | MP5 | Z | 47.34 | 70 |
| 35 | MP6 | X | 0 | 0 |
| 36 | MP6 | Z | 154.84 | 0 |
| 37 | MP6 | X | 0 | 96 |
| 38 | MP6 | Z | 154.84 | 96 |
| 39 | MP8 | X | 0 | 0 |
| 40 | MP8 | Z | 168.49 | 0 |
| 41 | MP8 | X | 0 | 96 |
| 42 | MP8 | Z | 168.49 | 96 |
| 43 | MP7 | X | 0 | 0 |
| 44 | MP7 | Z | 159.02 | 0 |
| 45 | MP7 | X | 0 | 96 |
| 46 | MP7 | Z | 159.02 | 96 |
| 47 | MP5 | X | 0 | 48 |
| 48 | MP5 | Z | 26.62 | 48 |
| 49 | MP5 | X | 0 | 48 |
| 50 | MP5 | Z | 26.62 | 48 |
| 51 | MP6 | X | 0 | 48 |
| 52 | MP6 | Z | 61.81 | 48 |
| 53 | MP6 | X | 0 | 48 |
| 54 | MP6 | Z | 84.45 | 48 |
| 55 | MP7 | X | 0 | 48 |
| 56 | MP7 | Z | 40.04 | 48 |
| 57 | MP7 | X | 0 | 48 |
| 58 | MP7 | Z | 45.47 | 48 |
| 59 | MP8 | X | 0 | 48 |
| 60 | MP8 | Z | 49.4 | 48 |
| 61 | MP9 | X | 0 | 26 |
| 62 | MP9 | Z | 81.61 | 26 |
| 63 | MP9 | X | 0 | 70 |
| 64 | MP9 | Z | 81.61 | 70 |
| 65 | MP10 | X | 0 | 0 |
| 66 | MP10 | Z | 170.21 | 0 |
| 67 | MP10 | X | 0 | 96 |
| 68 | MP10 | Z | 170.21 | 96 |
| 69 | MP12 | X | 0 | 0 |
| 70 | MP12 | Z | 220.89 | 0 |
| 71 | MP12 | X | 0 | 96 |
| 72 | MP12 | Z | 220.89 | 96 |
| 73 | MP11 | X | 0 | 0 |
| 74 | MP11 | Z | 212.03 | 0 |
| 75 | MP11 | X | 0 | 96 |
| 76 | MP11 | Z | 212.03 | 96 |
| 77 | MP9 | X | 0 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 78 | MP9 | Z | 26.37 | 48 |
| 79 | MP9 | X | 0 | 48 |
| 80 | MP9 | Z | 26.37 | 48 |
| 81 | MP10 | X | 0 | 48 |
| 82 | MP10 | Z | 73.36 | 48 |
| 83 | MP10 | X | 0 | 48 |
| 84 | MP10 | Z | 94.02 | 48 |
| 85 | MP11 | X | 0 | 48 |
| 86 | MP11 | Z | 48.47 | 48 |
| 87 | MP11 | X | 0 | 48 |
| 88 | MP11 | Z | 48.54 | 48 |
| 89 | MP12 | X | 0 | 48 |
| 90 | MP12 | Z | 55.41 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 43.64 | 26 |
| 2 | MP1 | Z | 75.59 | 26 |
| 3 | MP1 | X | 43.64 | 70 |
| 4 | MP1 | Z | 75.59 | 70 |
| 5 | MP2 | X | 88.83 | 0 |
| 6 | MP2 | Z | 153.86 | 0 |
| 7 | MP2 | X | 88.83 | 96 |
| 8 | MP2 | Z | 153.86 | 96 |
| 9 | MP4 | X | 123.14 | 0 |
| 10 | MP4 | Z | 213.28 | 0 |
| 11 | MP4 | X | 123.14 | 96 |
| 12 | MP4 | Z | 213.28 | 96 |
| 13 | MP3 | X | 118.86 | 0 |
| 14 | MP3 | Z | 205.86 | 0 |
| 15 | MP3 | X | 118.86 | 96 |
| 16 | MP3 | Z | 205.86 | 96 |
| 17 | MP1 | X | 13.12 | 48 |
| 18 | MP1 | Z | 22.73 | 48 |
| 19 | MP1 | X | 13.12 | 48 |
| 20 | MP1 | Z | 22.73 | 48 |
| 21 | MP2 | X | 39.48 | 48 |
| 22 | MP2 | Z | 68.38 | 48 |
| 23 | MP2 | X | 49.33 | 48 |
| 24 | MP2 | Z | 85.44 | 48 |
| 25 | MP3 | X | 26.27 | 48 |
| 26 | MP3 | Z | 45.51 | 48 |
| 27 | MP3 | X | 25.01 | 48 |
| 28 | MP3 | Z | 43.33 | 48 |
| 29 | MP4 | X | 29.16 | 48 |
| 30 | MP4 | Z | 50.51 | 48 |
| 31 | MP5 | X | 26.51 | 26 |
| 32 | MP5 | Z | 45.91 | 26 |
| 33 | MP5 | X | 26.51 | 70 |
| 34 | MP5 | Z | 45.91 | 70 |
| 35 | MP6 | X | 88.83 | 0 |
| 36 | MP6 | Z | 153.86 | 0 |
| 37 | MP6 | X | 88.83 | 96 |
| 38 | MP6 | Z | 153.86 | 96 |
| 39 | MP8 | X | 123.14 | 0 |
| 40 | MP8 | Z | 213.28 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 41 | MP8 | X | 123.14 | 96 |
| 42 | MP8 | Z | 213.28 | 96 |
| 43 | MP7 | X | 118.86 | 0 |
| 44 | MP7 | Z | 205.86 | 0 |
| 45 | MP7 | X | 118.86 | 96 |
| 46 | MP7 | Z | 205.86 | 96 |
| 47 | MP5 | X | 13.12 | 48 |
| 48 | MP5 | Z | 22.73 | 48 |
| 49 | MP5 | X | 13.12 | 48 |
| 50 | MP5 | Z | 22.73 | 48 |
| 51 | MP6 | X | 39.48 | 48 |
| 52 | MP6 | Z | 68.38 | 48 |
| 53 | MP6 | X | 49.33 | 48 |
| 54 | MP6 | Z | 85.44 | 48 |
| 55 | MP7 | X | 26.27 | 48 |
| 56 | MP7 | Z | 45.51 | 48 |
| 57 | MP7 | X | 25.01 | 48 |
| 58 | MP7 | Z | 43.33 | 48 |
| 59 | MP8 | X | 29.16 | 48 |
| 60 | MP8 | Z | 50.51 | 48 |
| 61 | MP9 | X | 30.82 | 26 |
| 62 | MP9 | Z | 53.38 | 26 |
| 63 | MP9 | X | 30.82 | 70 |
| 64 | MP9 | Z | 53.38 | 70 |
| 65 | MP10 | X | 74.38 | 0 |
| 66 | MP10 | Z | 128.84 | 0 |
| 67 | MP10 | X | 74.38 | 96 |
| 68 | MP10 | Z | 128.84 | 96 |
| 69 | MP12 | X | 73.9 | 0 |
| 70 | MP12 | Z | 128 | 0 |
| 71 | MP12 | X | 73.9 | 96 |
| 72 | MP12 | Z | 128 | 96 |
| 73 | MP11 | X | 69.04 | 0 |
| 74 | MP11 | Z | 119.59 | 0 |
| 75 | MP11 | X | 69.04 | 96 |
| 76 | MP11 | Z | 119.59 | 96 |
| 77 | MP9 | X | 13.36 | 48 |
| 78 | MP9 | Z | 23.14 | 48 |
| 79 | MP9 | X | 13.36 | 48 |
| 80 | MP9 | Z | 23.14 | 48 |
| 81 | MP10 | X | 28.62 | 48 |
| 82 | MP10 | Z | 49.58 | 48 |
| 83 | MP10 | X | 40.34 | 48 |
| 84 | MP10 | Z | 69.87 | 48 |
| 85 | MP11 | X | 18.36 | 48 |
| 86 | MP11 | Z | 31.8 | 48 |
| 87 | MP11 | X | 22.13 | 48 |
| 88 | MP11 | Z | 38.33 | 48 |
| 89 | MP12 | X | 23.51 | 48 |
| 90 | MP12 | Z | 40.73 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 70.68 | 26 |
| 2 | MP1 | Z | 40.81 | 26 |
| 3 | MP1 | X | 70.68 | 70 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 4 | MP1 | Z | 40.81 | 70 |
| 5 | MP2 | X | 134.1 | 0 |
| 6 | MP2 | Z | 77.42 | 0 |
| 7 | MP2 | X | 134.1 | 96 |
| 8 | MP2 | Z | 77.42 | 96 |
| 9 | MP4 | X | 145.92 | 0 |
| 10 | MP4 | Z | 84.25 | 0 |
| 11 | MP4 | X | 145.92 | 96 |
| 12 | MP4 | Z | 84.25 | 96 |
| 13 | MP3 | X | 137.72 | 0 |
| 14 | MP3 | Z | 79.51 | 0 |
| 15 | MP3 | X | 137.72 | 96 |
| 16 | MP3 | Z | 79.51 | 96 |
| 17 | MP1 | X | 23.05 | 48 |
| 18 | MP1 | Z | 13.31 | 48 |
| 19 | MP1 | X | 23.05 | 48 |
| 20 | MP1 | Z | 13.31 | 48 |
| 21 | MP2 | X | 53.53 | 48 |
| 22 | MP2 | Z | 30.9 | 48 |
| 23 | MP2 | X | 73.14 | 48 |
| 24 | MP2 | Z | 42.23 | 48 |
| 25 | MP3 | X | 34.68 | 48 |
| 26 | MP3 | Z | 20.02 | 48 |
| 27 | MP3 | X | 39.38 | 48 |
| 28 | MP3 | Z | 22.74 | 48 |
| 29 | MP4 | X | 42.78 | 48 |
| 30 | MP4 | Z | 24.7 | 48 |
| 31 | MP5 | X | 63.21 | 26 |
| 32 | MP5 | Z | 36.49 | 26 |
| 33 | MP5 | X | 63.21 | 70 |
| 34 | MP5 | Z | 36.49 | 70 |
| 35 | MP6 | X | 163.74 | 0 |
| 36 | MP6 | Z | 94.54 | 0 |
| 37 | MP6 | X | 163.74 | 96 |
| 38 | MP6 | Z | 94.54 | 96 |
| 39 | MP8 | X | 246.96 | 0 |
| 40 | MP8 | Z | 142.58 | 0 |
| 41 | MP8 | X | 246.96 | 96 |
| 42 | MP8 | Z | 142.58 | 96 |
| 43 | MP7 | X | 239.94 | 0 |
| 44 | MP7 | Z | 138.53 | 0 |
| 45 | MP7 | X | 239.94 | 96 |
| 46 | MP7 | Z | 138.53 | 96 |
| 47 | MP5 | X | 22.57 | 48 |
| 48 | MP5 | Z | 13.03 | 48 |
| 49 | MP5 | X | 22.57 | 48 |
| 50 | MP5 | Z | 13.03 | 48 |
| 51 | MP6 | X | 75.8 | 48 |
| 52 | MP6 | Z | 43.76 | 48 |
| 53 | MP6 | X | 91.59 | 48 |
| 54 | MP6 | Z | 52.88 | 48 |
| 55 | MP7 | X | 50.92 | 48 |
| 56 | MP7 | Z | 29.4 | 48 |
| 57 | MP7 | X | 45.3 | 48 |
| 58 | MP7 | Z | 26.15 | 48 |
| 59 | MP8 | X | 54.38 | 48 |
| 60 | MP8 | Z | 31.39 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 61 | MP9 | X | 40.99 | 26 |
| 62 | MP9 | Z | 23.67 | 26 |
| 63 | MP9 | X | 40.99 | 70 |
| 64 | MP9 | Z | 23.67 | 70 |
| 65 | MP10 | X | 125.41 | 0 |
| 66 | MP10 | Z | 72.4 | 0 |
| 67 | MP10 | X | 125.41 | 96 |
| 68 | MP10 | Z | 72.4 | 96 |
| 69 | MP12 | X | 116.3 | 0 |
| 70 | MP12 | Z | 67.15 | 0 |
| 71 | MP12 | X | 116.3 | 96 |
| 72 | MP12 | Z | 67.15 | 96 |
| 73 | MP11 | X | 107.75 | 0 |
| 74 | MP11 | Z | 62.21 | 0 |
| 75 | MP11 | X | 107.75 | 96 |
| 76 | MP11 | Z | 62.21 | 96 |
| 77 | MP9 | X | 23.2 | 48 |
| 78 | MP9 | Z | 13.39 | 48 |
| 79 | MP9 | X | 23.2 | 48 |
| 80 | MP9 | Z | 13.39 | 48 |
| 81 | MP10 | X | 47 | 48 |
| 82 | MP10 | Z | 27.13 | 48 |
| 83 | MP10 | X | 67.73 | 48 |
| 84 | MP10 | Z | 39.1 | 48 |
| 85 | MP11 | X | 29.91 | 48 |
| 86 | MP11 | Z | 17.27 | 48 |
| 87 | MP11 | X | 37.64 | 48 |
| 88 | MP11 | Z | 21.73 | 48 |
| 89 | MP12 | X | 39.38 | 48 |
| 90 | MP12 | Z | 22.74 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 61.64 | 26 |
| 2 | MP1 | Z | 0 | 26 |
| 3 | MP1 | X | 61.64 | 70 |
| 4 | MP1 | Z | 0 | 70 |
| 5 | MP2 | X | 143.43 | 0 |
| 6 | MP2 | Z | 0 | 0 |
| 7 | MP2 | X | 143.43 | 96 |
| 8 | MP2 | Z | 0 | 96 |
| 9 | MP4 | X | 129.6 | 0 |
| 10 | MP4 | Z | 0 | 0 |
| 11 | MP4 | X | 129.6 | 96 |
| 12 | MP4 | Z | 0 | 96 |
| 13 | MP3 | X | 119.68 | 0 |
| 14 | MP3 | Z | 0 | 0 |
| 15 | MP3 | X | 119.68 | 96 |
| 16 | MP3 | Z | 0 | 96 |
| 17 | MP1 | X | 26.81 | 48 |
| 18 | MP1 | Z | 0 | 48 |
| 19 | MP1 | X | 26.81 | 48 |
| 20 | MP1 | Z | 0 | 48 |
| 21 | MP2 | X | 53.23 | 48 |
| 22 | MP2 | Z | 0 | 48 |
| 23 | MP2 | X | 77.35 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 24 | MP2 | Z | 0 | 48 |
| 25 | MP3 | X | 33.79 | 48 |
| 26 | MP3 | Z | 0 | 48 |
| 27 | MP3 | X | 43.19 | 48 |
| 28 | MP3 | Z | 0 | 48 |
| 29 | MP4 | X | 44.94 | 48 |
| 30 | MP4 | Z | 0 | 48 |
| 31 | MP5 | X | 87.29 | 26 |
| 32 | MP5 | Z | 0 | 26 |
| 33 | MP5 | X | 87.29 | 70 |
| 34 | MP5 | Z | 0 | 70 |
| 35 | MP6 | X | 177.66 | 0 |
| 36 | MP6 | Z | 0 | 0 |
| 37 | MP6 | X | 177.66 | 96 |
| 38 | MP6 | Z | 0 | 96 |
| 39 | MP8 | X | 246.27 | 0 |
| 40 | MP8 | Z | 0 | 0 |
| 41 | MP8 | X | 246.27 | 96 |
| 42 | MP8 | Z | 0 | 96 |
| 43 | MP7 | X | 237.71 | 0 |
| 44 | MP7 | Z | 0 | 0 |
| 45 | MP7 | X | 237.71 | 96 |
| 46 | MP7 | Z | 0 | 96 |
| 47 | MP5 | X | 26.25 | 48 |
| 48 | MP5 | Z | 0 | 48 |
| 49 | MP5 | X | 26.25 | 48 |
| 50 | MP5 | Z | 0 | 48 |
| 51 | MP6 | X | 78.95 | 48 |
| 52 | MP6 | Z | 0 | 48 |
| 53 | MP6 | X | 98.66 | 48 |
| 54 | MP6 | Z | 0 | 48 |
| 55 | MP7 | X | 52.55 | 48 |
| 56 | MP7 | Z | 0 | 48 |
| 57 | MP7 | X | 50.03 | 48 |
| 58 | MP7 | Z | 0 | 48 |
| 59 | MP8 | X | 58.33 | 48 |
| 60 | MP8 | Z | 0 | 48 |
| 61 | MP9 | X | 53.01 | 26 |
| 62 | MP9 | Z | 0 | 26 |
| 63 | MP9 | X | 53.01 | 70 |
| 64 | MP9 | Z | 0 | 70 |
| 65 | MP10 | X | 162.29 | 0 |
| 66 | MP10 | Z | 0 | 0 |
| 67 | MP10 | X | 162.29 | 96 |
| 68 | MP10 | Z | 0 | 96 |
| 69 | MP12 | X | 193.88 | 0 |
| 70 | MP12 | Z | 0 | 0 |
| 71 | MP12 | X | 193.88 | 96 |
| 72 | MP12 | Z | 0 | 96 |
| 73 | MP11 | X | 184.7 | 0 |
| 74 | MP11 | Z | 0 | 0 |
| 75 | MP11 | X | 184.7 | 96 |
| 76 | MP11 | Z | 0 | 96 |
| 77 | MP9 | X | 26.5 | 48 |
| 78 | MP9 | Z | 0 | 48 |
| 79 | MP9 | X | 26.5 | 48 |
| 80 | MP9 | Z | 0 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 81 | MP10 | X | 67.4 | 48 |
| 82 | MP10 | Z | 0 | 48 |
| 83 | MP10 | X | 89.09 | 48 |
| 84 | MP10 | Z | 0 | 48 |
| 85 | MP11 | X | 44.12 | 48 |
| 86 | MP11 | Z | 0 | 48 |
| 87 | MP11 | X | 46.96 | 48 |
| 88 | MP11 | Z | 0 | 48 |
| 89 | MP12 | X | 52.31 | 48 |
| 90 | MP12 | Z | 0 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 40.99 | 26 |
| 2 | MP1 | Z | -23.67 | 26 |
| 3 | MP1 | X | 40.99 | 70 |
| 4 | MP1 | Z | -23.67 | 70 |
| 5 | MP2 | X | 134.1 | 0 |
| 6 | MP2 | Z | -77.42 | 0 |
| 7 | MP2 | X | 134.1 | 96 |
| 8 | MP2 | Z | -77.42 | 96 |
| 9 | MP4 | X | 145.92 | 0 |
| 10 | MP4 | Z | -84.25 | 0 |
| 11 | MP4 | X | 145.92 | 96 |
| 12 | MP4 | Z | -84.25 | 96 |
| 13 | MP3 | X | 137.72 | 0 |
| 14 | MP3 | Z | -79.51 | 0 |
| 15 | MP3 | X | 137.72 | 96 |
| 16 | MP3 | Z | -79.51 | 96 |
| 17 | MP1 | X | 23.05 | 48 |
| 18 | MP1 | Z | -13.31 | 48 |
| 19 | MP1 | X | 23.05 | 48 |
| 20 | MP1 | Z | -13.31 | 48 |
| 21 | MP2 | X | 53.53 | 48 |
| 22 | MP2 | Z | -30.9 | 48 |
| 23 | MP2 | X | 73.14 | 48 |
| 24 | MP2 | Z | -42.23 | 48 |
| 25 | MP3 | X | 34.68 | 48 |
| 26 | MP3 | Z | -20.02 | 48 |
| 27 | MP3 | X | 39.38 | 48 |
| 28 | MP3 | Z | -22.74 | 48 |
| 29 | MP4 | X | 42.78 | 48 |
| 30 | MP4 | Z | -24.7 | 48 |
| 31 | MP5 | X | 70.68 | 26 |
| 32 | MP5 | Z | -40.81 | 26 |
| 33 | MP5 | X | 70.68 | 70 |
| 34 | MP5 | Z | -40.81 | 70 |
| 35 | MP6 | X | 134.1 | 0 |
| 36 | MP6 | Z | -77.42 | 0 |
| 37 | MP6 | X | 134.1 | 96 |
| 38 | MP6 | Z | -77.42 | 96 |
| 39 | MP8 | X | 145.92 | 0 |
| 40 | MP8 | Z | -84.25 | 0 |
| 41 | MP8 | X | 145.92 | 96 |
| 42 | MP8 | Z | -84.25 | 96 |
| 43 | MP7 | X | 137.72 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 44 | MP7 | Z | -79.51 | 0 |
| 45 | MP7 | X | 137.72 | 96 |
| 46 | MP7 | Z | -79.51 | 96 |
| 47 | MP5 | X | 23.05 | 48 |
| 48 | MP5 | Z | -13.31 | 48 |
| 49 | MP5 | X | 23.05 | 48 |
| 50 | MP5 | Z | -13.31 | 48 |
| 51 | MP6 | X | 53.53 | 48 |
| 52 | MP6 | Z | -30.9 | 48 |
| 53 | MP6 | X | 73.14 | 48 |
| 54 | MP6 | Z | -42.23 | 48 |
| 55 | MP7 | X | 34.68 | 48 |
| 56 | MP7 | Z | -20.02 | 48 |
| 57 | MP7 | X | 39.38 | 48 |
| 58 | MP7 | Z | -22.74 | 48 |
| 59 | MP8 | X | 42.78 | 48 |
| 60 | MP8 | Z | -24.7 | 48 |
| 61 | MP9 | X | 63.21 | 26 |
| 62 | MP9 | Z | -36.49 | 26 |
| 63 | MP9 | X | 63.21 | 70 |
| 64 | MP9 | Z | -36.49 | 70 |
| 65 | MP10 | X | 159.12 | 0 |
| 66 | MP10 | Z | -91.87 | 0 |
| 67 | MP10 | X | 159.12 | 96 |
| 68 | MP10 | Z | -91.87 | 96 |
| 69 | MP12 | X | 231.2 | 0 |
| 70 | MP12 | Z | -133.48 | 0 |
| 71 | MP12 | X | 231.2 | 96 |
| 72 | MP12 | Z | -133.48 | 96 |
| 73 | MP11 | X | 223.99 | 0 |
| 74 | MP11 | Z | -129.32 | 0 |
| 75 | MP11 | X | 223.99 | 96 |
| 76 | MP11 | Z | -129.32 | 96 |
| 77 | MP9 | X | 22.65 | 48 |
| 78 | MP9 | Z | -13.07 | 48 |
| 79 | MP9 | X | 22.65 | 48 |
| 80 | MP9 | Z | -13.07 | 48 |
| 81 | MP10 | X | 72.33 | 48 |
| 82 | MP10 | Z | -41.76 | 48 |
| 83 | MP10 | X | 88.71 | 48 |
| 84 | MP10 | Z | -51.22 | 48 |
| 85 | MP11 | X | 48.39 | 48 |
| 86 | MP11 | Z | -27.94 | 48 |
| 87 | MP11 | X | 44.38 | 48 |
| 88 | MP11 | Z | -25.62 | 48 |
| 89 | MP12 | X | 52.57 | 48 |
| 90 | MP12 | Z | -30.35 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 26.51 | 26 |
| 2 | MP1 | Z | -45.91 | 26 |
| 3 | MP1 | X | 26.51 | 70 |
| 4 | MP1 | Z | -45.91 | 70 |
| 5 | MP2 | X | 88.83 | 0 |
| 6 | MP2 | Z | -153.86 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 7 | MP2 | X | 88.83 | 96 |
| 8 | MP2 | Z | -153.86 | 96 |
| 9 | MP4 | X | 123.14 | 0 |
| 10 | MP4 | Z | -213.28 | 0 |
| 11 | MP4 | X | 123.14 | 96 |
| 12 | MP4 | Z | -213.28 | 96 |
| 13 | MP3 | X | 118.86 | 0 |
| 14 | MP3 | Z | -205.86 | 0 |
| 15 | MP3 | X | 118.86 | 96 |
| 16 | MP3 | Z | -205.86 | 96 |
| 17 | MP1 | X | 13.12 | 48 |
| 18 | MP1 | Z | -22.73 | 48 |
| 19 | MP1 | X | 13.12 | 48 |
| 20 | MP1 | Z | -22.73 | 48 |
| 21 | MP2 | X | 39.48 | 48 |
| 22 | MP2 | Z | -68.38 | 48 |
| 23 | MP2 | X | 49.33 | 48 |
| 24 | MP2 | Z | -85.44 | 48 |
| 25 | MP3 | X | 26.27 | 48 |
| 26 | MP3 | Z | -45.51 | 48 |
| 27 | MP3 | X | 25.01 | 48 |
| 28 | MP3 | Z | -43.33 | 48 |
| 29 | MP4 | X | 29.16 | 48 |
| 30 | MP4 | Z | -50.51 | 48 |
| 31 | MP5 | X | 30.82 | 26 |
| 32 | MP5 | Z | -53.38 | 26 |
| 33 | MP5 | X | 30.82 | 70 |
| 34 | MP5 | Z | -53.38 | 70 |
| 35 | MP6 | X | 71.72 | 0 |
| 36 | MP6 | Z | -124.21 | 0 |
| 37 | MP6 | X | 71.72 | 96 |
| 38 | MP6 | Z | -124.21 | 96 |
| 39 | MP8 | X | 64.8 | 0 |
| 40 | MP8 | Z | -112.24 | 0 |
| 41 | MP8 | X | 64.8 | 96 |
| 42 | MP8 | Z | -112.24 | 96 |
| 43 | MP7 | X | 59.84 | 0 |
| 44 | MP7 | Z | -103.64 | 0 |
| 45 | MP7 | X | 59.84 | 96 |
| 46 | MP7 | Z | -103.64 | 96 |
| 47 | MP5 | X | 13.4 | 48 |
| 48 | MP5 | Z | -23.22 | 48 |
| 49 | MP5 | X | 13.4 | 48 |
| 50 | MP5 | Z | -23.22 | 48 |
| 51 | MP6 | X | 26.62 | 48 |
| 52 | MP6 | Z | -46.1 | 48 |
| 53 | MP6 | X | 38.68 | 48 |
| 54 | MP6 | Z | -66.99 | 48 |
| 55 | MP7 | X | 16.89 | 48 |
| 56 | MP7 | Z | -29.26 | 48 |
| 57 | MP7 | X | 21.6 | 48 |
| 58 | MP7 | Z | -37.41 | 48 |
| 59 | MP8 | X | 22.47 | 48 |
| 60 | MP8 | Z | -38.92 | 48 |
| 61 | MP9 | X | 43.64 | 26 |
| 62 | MP9 | Z | -75.59 | 26 |
| 63 | MP9 | X | 43.64 | 70 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 64 | MP9 | Z | -75.59 | 70 |
| 65 | MP10 | X | 93.85 | 0 |
| 66 | MP10 | Z | -162.55 | 0 |
| 67 | MP10 | X | 93.85 | 96 |
| 68 | MP10 | Z | -162.55 | 96 |
| 69 | MP12 | X | 140.24 | 0 |
| 70 | MP12 | Z | -242.9 | 0 |
| 71 | MP12 | X | 140.24 | 96 |
| 72 | MP12 | Z | -242.9 | 96 |
| 73 | MP11 | X | 136.16 | 0 |
| 74 | MP11 | Z | -235.83 | 0 |
| 75 | MP11 | X | 136.16 | 96 |
| 76 | MP11 | Z | -235.83 | 96 |
| 77 | MP9 | X | 13.04 | 48 |
| 78 | MP9 | Z | -22.59 | 48 |
| 79 | MP9 | X | 13.04 | 48 |
| 80 | MP9 | Z | -22.59 | 48 |
| 81 | MP10 | X | 43.25 | 48 |
| 82 | MP10 | Z | -74.91 | 48 |
| 83 | MP10 | X | 52.45 | 48 |
| 84 | MP10 | Z | -90.85 | 48 |
| 85 | MP11 | X | 29.02 | 48 |
| 86 | MP11 | Z | -50.27 | 48 |
| 87 | MP11 | X | 26.02 | 48 |
| 88 | MP11 | Z | -45.06 | 48 |
| 89 | MP12 | X | 31.13 | 48 |
| 90 | MP12 | Z | -53.91 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | Y | -40.779 | 26 |
| 2 | MP1 | Y | -40.779 | 70 |
| 3 | MP2 | Y | -96.509 | 0 |
| 4 | MP2 | Y | -96.509 | 96 |
| 5 | MP4 | Y | -117.458 | 0 |
| 6 | MP4 | Y | -117.458 | 96 |
| 7 | MP3 | Y | -111.212 | 0 |
| 8 | MP3 | Y | -111.212 | 96 |
| 9 | MP1 | Y | -23.587 | 48 |
| 10 | MP1 | Y | -23.587 | 48 |
| 11 | MP2 | Y | -52.912 | 48 |
| 12 | MP2 | Y | -69.076 | 48 |
| 13 | MP3 | Y | -40.13 | 48 |
| 14 | MP3 | Y | -44.188 | 48 |
| 15 | MP4 | Y | -46.416 | 48 |
| 16 | MP5 | Y | -40.779 | 26 |
| 17 | MP5 | Y | -40.779 | 70 |
| 18 | MP6 | Y | -96.509 | 0 |
| 19 | MP6 | Y | -96.509 | 96 |
| 20 | MP8 | Y | -117.458 | 0 |
| 21 | MP8 | Y | -117.458 | 96 |
| 22 | MP7 | Y | -111.212 | 0 |
| 23 | MP7 | Y | -111.212 | 96 |
| 24 | MP5 | Y | -23.587 | 48 |
| 25 | MP5 | Y | -23.587 | 48 |
| 26 | MP6 | Y | -52.912 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 27 | MP6 | Y | -69.076 | 48 |
| 28 | MP7 | Y | -40.13 | 48 |
| 29 | MP7 | Y | -44.188 | 48 |
| 30 | MP8 | Y | -46.416 | 48 |
| 31 | MP9 | Y | -40.779 | 26 |
| 32 | MP9 | Y | -40.779 | 70 |
| 33 | MP10 | Y | -96.509 | 0 |
| 34 | MP10 | Y | -96.509 | 96 |
| 35 | MP12 | Y | -117.458 | 0 |
| 36 | MP12 | Y | -117.458 | 96 |
| 37 | MP11 | Y | -111.212 | 0 |
| 38 | MP11 | Y | -111.212 | 96 |
| 39 | MP9 | Y | -23.587 | 48 |
| 40 | MP9 | Y | -23.587 | 48 |
| 41 | MP10 | Y | -52.912 | 48 |
| 42 | MP10 | Y | -69.076 | 48 |
| 43 | MP11 | Y | -40.13 | 48 |
| 44 | MP11 | Y | -44.188 | 48 |
| 45 | MP12 | Y | -46.416 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 0 | 26 |
| 2 | MP1 | Z | -8.26 | 26 |
| 3 | MP1 | X | 0 | 70 |
| 4 | MP1 | Z | -8.26 | 70 |
| 5 | MP2 | X | 0 | 0 |
| 6 | MP2 | Z | -19.03 | 0 |
| 7 | MP2 | X | 0 | 96 |
| 8 | MP2 | Z | -19.03 | 96 |
| 9 | MP4 | X | 0 | 0 |
| 10 | MP4 | Z | -23.44 | 0 |
| 11 | MP4 | X | 0 | 96 |
| 12 | MP4 | Z | -23.44 | 96 |
| 13 | MP3 | X | 0 | 0 |
| 14 | MP3 | Z | -22.85 | 0 |
| 15 | MP3 | X | 0 | 96 |
| 16 | MP3 | Z | -22.85 | 96 |
| 17 | MP1 | X | 0 | 48 |
| 18 | MP1 | Z | -4.07 | 48 |
| 19 | MP1 | X | 0 | 48 |
| 20 | MP1 | Z | -4.07 | 48 |
| 21 | MP2 | X | 0 | 48 |
| 22 | MP2 | Z | -9.25 | 48 |
| 23 | MP2 | X | 0 | 48 |
| 24 | MP2 | Z | -10.52 | 48 |
| 25 | MP3 | X | 0 | 48 |
| 26 | MP3 | Z | -6.16 | 48 |
| 27 | MP3 | X | 0 | 48 |
| 28 | MP3 | Z | -5.6 | 48 |
| 29 | MP4 | X | 0 | 48 |
| 30 | MP4 | Z | -6.58 | 48 |
| 31 | MP5 | X | 0 | 26 |
| 32 | MP5 | Z | -6.61 | 26 |
| 33 | MP5 | X | 0 | 70 |
| 34 | MP5 | Z | -6.61 | 70 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 35 | MP6 | X | 0 | 0 |
| 36 | MP6 | Z | -16.81 | 0 |
| 37 | MP6 | X | 0 | 96 |
| 38 | MP6 | Z | -16.81 | 96 |
| 39 | MP8 | X | 0 | 0 |
| 40 | MP8 | Z | -17.62 | 0 |
| 41 | MP8 | X | 0 | 96 |
| 42 | MP8 | Z | -17.62 | 96 |
| 43 | MP7 | X | 0 | 0 |
| 44 | MP7 | Z | -17.2 | 0 |
| 45 | MP7 | X | 0 | 96 |
| 46 | MP7 | Z | -17.2 | 96 |
| 47 | MP5 | X | 0 | 48 |
| 48 | MP5 | Z | -4.11 | 48 |
| 49 | MP5 | X | 0 | 48 |
| 50 | MP5 | Z | -4.11 | 48 |
| 51 | MP6 | X | 0 | 48 |
| 52 | MP6 | Z | -7.96 | 48 |
| 53 | MP6 | X | 0 | 48 |
| 54 | MP6 | Z | -9.52 | 48 |
| 55 | MP7 | X | 0 | 48 |
| 56 | MP7 | Z | -5.2 | 48 |
| 57 | MP7 | X | 0 | 48 |
| 58 | MP7 | Z | -5.27 | 48 |
| 59 | MP8 | X | 0 | 48 |
| 60 | MP8 | Z | -5.92 | 48 |
| 61 | MP9 | X | 0 | 26 |
| 62 | MP9 | Z | -8.82 | 26 |
| 63 | MP9 | X | 0 | 70 |
| 64 | MP9 | Z | -8.82 | 70 |
| 65 | MP10 | X | 0 | 0 |
| 66 | MP10 | Z | -17.8 | 0 |
| 67 | MP10 | X | 0 | 96 |
| 68 | MP10 | Z | -17.8 | 96 |
| 69 | MP12 | X | 0 | 0 |
| 70 | MP12 | Z | -20.24 | 0 |
| 71 | MP12 | X | 0 | 96 |
| 72 | MP12 | Z | -20.24 | 96 |
| 73 | MP11 | X | 0 | 0 |
| 74 | MP11 | Z | -19.74 | 0 |
| 75 | MP11 | X | 0 | 96 |
| 76 | MP11 | Z | -19.74 | 96 |
| 77 | MP9 | X | 0 | 48 |
| 78 | MP9 | Z | -4.09 | 48 |
| 79 | MP9 | X | 0 | 48 |
| 80 | MP9 | Z | -4.09 | 48 |
| 81 | MP10 | X | 0 | 48 |
| 82 | MP10 | Z | -8.54 | 48 |
| 83 | MP10 | X | 0 | 48 |
| 84 | MP10 | Z | -9.97 | 48 |
| 85 | MP11 | X | 0 | 48 |
| 86 | MP11 | Z | -5.63 | 48 |
| 87 | MP11 | X | 0 | 48 |
| 88 | MP11 | Z | -5.42 | 48 |
| 89 | MP12 | X | 0 | 48 |
| 90 | MP12 | Z | -6.21 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -4.59 | 26 |
| 2 | MP1 | Z | -7.95 | 26 |
| 3 | MP1 | X | -4.59 | 70 |
| 4 | MP1 | Z | -7.95 | 70 |
| 5 | MP2 | X | -9.14 | 0 |
| 6 | MP2 | Z | -15.84 | 0 |
| 7 | MP2 | X | -9.14 | 96 |
| 8 | MP2 | Z | -15.84 | 96 |
| 9 | MP4 | X | -10.75 | 0 |
| 10 | MP4 | Z | -18.62 | 0 |
| 11 | MP4 | X | -10.75 | 96 |
| 12 | MP4 | Z | -18.62 | 96 |
| 13 | MP3 | X | -10.49 | 0 |
| 14 | MP3 | Z | -18.16 | 0 |
| 15 | MP3 | X | -10.49 | 96 |
| 16 | MP3 | Z | -18.16 | 96 |
| 17 | MP1 | X | -2.04 | 48 |
| 18 | MP1 | Z | -3.54 | 48 |
| 19 | MP1 | X | -2.04 | 48 |
| 20 | MP1 | Z | -3.54 | 48 |
| 21 | MP2 | X | -4.41 | 48 |
| 22 | MP2 | Z | -7.64 | 48 |
| 23 | MP2 | X | -5.09 | 48 |
| 24 | MP2 | Z | -8.82 | 48 |
| 25 | MP3 | X | -2.92 | 48 |
| 26 | MP3 | Z | -5.06 | 48 |
| 27 | MP3 | X | -2.74 | 48 |
| 28 | MP3 | Z | -4.75 | 48 |
| 29 | MP4 | X | -3.18 | 48 |
| 30 | MP4 | Z | -5.5 | 48 |
| 31 | MP5 | X | -3.49 | 26 |
| 32 | MP5 | Z | -6.04 | 26 |
| 33 | MP5 | X | -3.49 | 70 |
| 34 | MP5 | Z | -6.04 | 70 |
| 35 | MP6 | X | -9.14 | 0 |
| 36 | MP6 | Z | -15.84 | 0 |
| 37 | MP6 | X | -9.14 | 96 |
| 38 | MP6 | Z | -15.84 | 96 |
| 39 | MP8 | X | -10.75 | 0 |
| 40 | MP8 | Z | -18.62 | 0 |
| 41 | MP8 | X | -10.75 | 96 |
| 42 | MP8 | Z | -18.62 | 96 |
| 43 | MP7 | X | -10.49 | 0 |
| 44 | MP7 | Z | -18.16 | 0 |
| 45 | MP7 | X | -10.49 | 96 |
| 46 | MP7 | Z | -18.16 | 96 |
| 47 | MP5 | X | -2.04 | 48 |
| 48 | MP5 | Z | -3.54 | 48 |
| 49 | MP5 | X | -2.04 | 48 |
| 50 | MP5 | Z | -3.54 | 48 |
| 51 | MP6 | X | -4.41 | 48 |
| 52 | MP6 | Z | -7.64 | 48 |
| 53 | MP6 | X | -5.09 | 48 |
| 54 | MP6 | Z | -8.82 | 48 |
| 55 | MP7 | X | -2.92 | 48 |
| 56 | MP7 | Z | -5.06 | 48 |
| 57 | MP7 | X | -2.74 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 58 | MP7 | Z | -4.75 | 48 |
| 59 | MP8 | X | -3.18 | 48 |
| 60 | MP8 | Z | -5.5 | 48 |
| 61 | MP9 | X | -3.77 | 26 |
| 62 | MP9 | Z | -6.52 | 26 |
| 63 | MP9 | X | -3.77 | 70 |
| 64 | MP9 | Z | -6.52 | 70 |
| 65 | MP10 | X | -8.21 | 0 |
| 66 | MP10 | Z | -14.21 | 0 |
| 67 | MP10 | X | -8.21 | 96 |
| 68 | MP10 | Z | -14.21 | 96 |
| 69 | MP12 | X | -8.3 | 0 |
| 70 | MP12 | Z | -14.37 | 0 |
| 71 | MP12 | X | -8.3 | 96 |
| 72 | MP12 | Z | -14.37 | 96 |
| 73 | MP11 | X | -8.1 | 0 |
| 74 | MP11 | Z | -14.03 | 0 |
| 75 | MP11 | X | -8.1 | 96 |
| 76 | MP11 | Z | -14.03 | 96 |
| 77 | MP9 | X | -2.06 | 48 |
| 78 | MP9 | Z | -3.56 | 48 |
| 79 | MP9 | X | -2.06 | 48 |
| 80 | MP9 | Z | -3.56 | 48 |
| 81 | MP10 | X | -3.87 | 48 |
| 82 | MP10 | Z | -6.7 | 48 |
| 83 | MP10 | X | -4.67 | 48 |
| 84 | MP10 | Z | -8.09 | 48 |
| 85 | MP11 | X | -2.52 | 48 |
| 86 | MP11 | Z | -4.36 | 48 |
| 87 | MP11 | X | -2.6 | 48 |
| 88 | MP11 | Z | -4.51 | 48 |
| 89 | MP12 | X | -2.9 | 48 |
| 90 | MP12 | Z | -5.02 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -7.64 | 26 |
| 2 | MP1 | Z | -4.41 | 26 |
| 3 | MP1 | X | -7.64 | 70 |
| 4 | MP1 | Z | -4.41 | 70 |
| 5 | MP2 | X | -14.56 | 0 |
| 6 | MP2 | Z | -8.4 | 0 |
| 7 | MP2 | X | -14.56 | 96 |
| 8 | MP2 | Z | -8.4 | 96 |
| 9 | MP4 | X | -15.26 | 0 |
| 10 | MP4 | Z | -8.81 | 0 |
| 11 | MP4 | X | -15.26 | 96 |
| 12 | MP4 | Z | -8.81 | 96 |
| 13 | MP3 | X | -14.9 | 0 |
| 14 | MP3 | Z | -8.6 | 0 |
| 15 | MP3 | X | -14.9 | 96 |
| 16 | MP3 | Z | -8.6 | 96 |
| 17 | MP1 | X | -3.56 | 48 |
| 18 | MP1 | Z | -2.05 | 48 |
| 19 | MP1 | X | -3.56 | 48 |
| 20 | MP1 | Z | -2.05 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 21 | MP2 | X | -6.89 | 48 |
| 22 | MP2 | Z | -3.98 | 48 |
| 23 | MP2 | X | -8.25 | 48 |
| 24 | MP2 | Z | -4.76 | 48 |
| 25 | MP3 | X | -4.51 | 48 |
| 26 | MP3 | Z | -2.6 | 48 |
| 27 | MP3 | X | -4.56 | 48 |
| 28 | MP3 | Z | -2.63 | 48 |
| 29 | MP4 | X | -5.13 | 48 |
| 30 | MP4 | Z | -2.96 | 48 |
| 31 | MP5 | X | -7.16 | 26 |
| 32 | MP5 | Z | -4.13 | 26 |
| 33 | MP5 | X | -7.16 | 70 |
| 34 | MP5 | Z | -4.13 | 70 |
| 35 | MP6 | X | -16.48 | 0 |
| 36 | MP6 | Z | -9.51 | 0 |
| 37 | MP6 | X | -16.48 | 96 |
| 38 | MP6 | Z | -9.51 | 96 |
| 39 | MP8 | X | -20.3 | 0 |
| 40 | MP8 | Z | -11.72 | 0 |
| 41 | MP8 | X | -20.3 | 96 |
| 42 | MP8 | Z | -11.72 | 96 |
| 43 | MP7 | X | -19.79 | 0 |
| 44 | MP7 | Z | -11.43 | 0 |
| 45 | MP7 | X | -19.79 | 96 |
| 46 | MP7 | Z | -11.43 | 96 |
| 47 | MP5 | X | -3.53 | 48 |
| 48 | MP5 | Z | -2.04 | 48 |
| 49 | MP5 | X | -3.53 | 48 |
| 50 | MP5 | Z | -2.04 | 48 |
| 51 | MP6 | X | -8.01 | 48 |
| 52 | MP6 | Z | -4.63 | 48 |
| 53 | MP6 | X | -9.11 | 48 |
| 54 | MP6 | Z | -5.26 | 48 |
| 55 | MP7 | X | -5.34 | 48 |
| 56 | MP7 | Z | -3.08 | 48 |
| 57 | MP7 | X | -4.85 | 48 |
| 58 | MP7 | Z | -2.8 | 48 |
| 59 | MP8 | X | -5.69 | 48 |
| 60 | MP8 | Z | -3.29 | 48 |
| 61 | MP9 | X | -5.73 | 26 |
| 62 | MP9 | Z | -3.31 | 26 |
| 63 | MP9 | X | -5.73 | 70 |
| 64 | MP9 | Z | -3.31 | 70 |
| 65 | MP10 | X | -13.99 | 0 |
| 66 | MP10 | Z | -8.08 | 0 |
| 67 | MP10 | X | -13.99 | 96 |
| 68 | MP10 | Z | -8.08 | 96 |
| 69 | MP12 | X | -13.79 | 0 |
| 70 | MP12 | Z | -7.96 | 0 |
| 71 | MP12 | X | -13.79 | 96 |
| 72 | MP12 | Z | -7.96 | 96 |
| 73 | MP11 | X | -13.46 | 0 |
| 74 | MP11 | Z | -7.77 | 0 |
| 75 | MP11 | X | -13.46 | 96 |
| 76 | MP11 | Z | -7.77 | 96 |
| 77 | MP9 | X | -3.57 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 78 | MP9 | Z | -2.06 | 48 |
| 79 | MP9 | X | -3.57 | 48 |
| 80 | MP9 | Z | -2.06 | 48 |
| 81 | MP10 | X | -6.57 | 48 |
| 82 | MP10 | Z | -3.79 | 48 |
| 83 | MP10 | X | -7.99 | 48 |
| 84 | MP10 | Z | -4.61 | 48 |
| 85 | MP11 | X | -4.26 | 48 |
| 86 | MP11 | Z | -2.46 | 48 |
| 87 | MP11 | X | -4.48 | 48 |
| 88 | MP11 | Z | -2.58 | 48 |
| 89 | MP12 | X | -4.96 | 48 |
| 90 | MP12 | Z | -2.86 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -7.53 | 26 |
| 2 | MP1 | Z | 0 | 26 |
| 3 | MP1 | X | -7.53 | 70 |
| 4 | MP1 | Z | 0 | 70 |
| 5 | MP2 | X | -16.07 | 0 |
| 6 | MP2 | Z | 0 | 0 |
| 7 | MP2 | X | -16.07 | 96 |
| 8 | MP2 | Z | 0 | 96 |
| 9 | MP4 | X | -15.68 | 0 |
| 10 | MP4 | Z | 0 | 0 |
| 11 | MP4 | X | -15.68 | 96 |
| 12 | MP4 | Z | 0 | 96 |
| 13 | MP3 | X | -15.32 | 0 |
| 14 | MP3 | Z | 0 | 0 |
| 15 | MP3 | X | -15.32 | 96 |
| 16 | MP3 | Z | 0 | 96 |
| 17 | MP1 | X | -4.12 | 48 |
| 18 | MP1 | Z | 0 | 48 |
| 19 | MP1 | X | -4.12 | 48 |
| 20 | MP1 | Z | 0 | 48 |
| 21 | MP2 | X | -7.53 | 48 |
| 22 | MP2 | Z | 0 | 48 |
| 23 | MP2 | X | -9.19 | 48 |
| 24 | MP2 | Z | 0 | 48 |
| 25 | MP3 | X | -4.88 | 48 |
| 26 | MP3 | Z | 0 | 48 |
| 27 | MP3 | X | -5.15 | 48 |
| 28 | MP3 | Z | 0 | 48 |
| 29 | MP4 | X | -5.7 | 48 |
| 30 | MP4 | Z | 0 | 48 |
| 31 | MP5 | X | -9.18 | 26 |
| 32 | MP5 | Z | 0 | 26 |
| 33 | MP5 | X | -9.18 | 70 |
| 34 | MP5 | Z | 0 | 70 |
| 35 | MP6 | X | -18.29 | 0 |
| 36 | MP6 | Z | 0 | 0 |
| 37 | MP6 | X | -18.29 | 96 |
| 38 | MP6 | Z | 0 | 96 |
| 39 | MP8 | X | -21.5 | 0 |
| 40 | MP8 | Z | 0 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 41 | MP8 | X | -21.5 | 96 |
| 42 | MP8 | Z | 0 | 96 |
| 43 | MP7 | X | -20.97 | 0 |
| 44 | MP7 | Z | 0 | 0 |
| 45 | MP7 | X | -20.97 | 96 |
| 46 | MP7 | Z | 0 | 96 |
| 47 | MP5 | X | -4.08 | 48 |
| 48 | MP5 | Z | 0 | 48 |
| 49 | MP5 | X | -4.08 | 48 |
| 50 | MP5 | Z | 0 | 48 |
| 51 | MP6 | X | -8.82 | 48 |
| 52 | MP6 | Z | 0 | 48 |
| 53 | MP6 | X | -10.19 | 48 |
| 54 | MP6 | Z | 0 | 48 |
| 55 | MP7 | X | -5.84 | 48 |
| 56 | MP7 | Z | 0 | 48 |
| 57 | MP7 | X | -5.49 | 48 |
| 58 | MP7 | Z | 0 | 48 |
| 59 | MP8 | X | -6.36 | 48 |
| 60 | MP8 | Z | 0 | 48 |
| 61 | MP9 | X | -6.98 | 26 |
| 62 | MP9 | Z | 0 | 26 |
| 63 | MP9 | X | -6.98 | 70 |
| 64 | MP9 | Z | 0 | 70 |
| 65 | MP10 | X | -17.29 | 0 |
| 66 | MP10 | Z | 0 | 0 |
| 67 | MP10 | X | -17.29 | 96 |
| 68 | MP10 | Z | 0 | 96 |
| 69 | MP12 | X | -18.89 | 0 |
| 70 | MP12 | Z | 0 | 0 |
| 71 | MP12 | X | -18.89 | 96 |
| 72 | MP12 | Z | 0 | 96 |
| 73 | MP11 | X | -18.43 | 0 |
| 74 | MP11 | Z | 0 | 0 |
| 75 | MP11 | X | -18.43 | 96 |
| 76 | MP11 | Z | 0 | 96 |
| 77 | MP9 | X | -4.1 | 48 |
| 78 | MP9 | Z | 0 | 48 |
| 79 | MP9 | X | -4.1 | 48 |
| 80 | MP9 | Z | 0 | 48 |
| 81 | MP10 | X | -8.24 | 48 |
| 82 | MP10 | Z | 0 | 48 |
| 83 | MP10 | X | -9.74 | 48 |
| 84 | MP10 | Z | 0 | 48 |
| 85 | MP11 | X | -5.41 | 48 |
| 86 | MP11 | Z | 0 | 48 |
| 87 | MP11 | X | -5.34 | 48 |
| 88 | MP11 | Z | 0 | 48 |
| 89 | MP12 | X | -6.06 | 48 |
| 90 | MP12 | Z | 0 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -5.73 | 26 |
| 2 | MP1 | Z | 3.31 | 26 |
| 3 | MP1 | X | -5.73 | 70 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 4 | MP1 | Z | 3.31 | 70 |
| 5 | MP2 | X | -14.56 | 0 |
| 6 | MP2 | Z | 8.4 | 0 |
| 7 | MP2 | X | -14.56 | 96 |
| 8 | MP2 | Z | 8.4 | 96 |
| 9 | MP4 | X | -15.26 | 0 |
| 10 | MP4 | Z | 8.81 | 0 |
| 11 | MP4 | X | -15.26 | 96 |
| 12 | MP4 | Z | 8.81 | 96 |
| 13 | MP3 | X | -14.9 | 0 |
| 14 | MP3 | Z | 8.6 | 0 |
| 15 | MP3 | X | -14.9 | 96 |
| 16 | MP3 | Z | 8.6 | 96 |
| 17 | MP1 | X | -3.56 | 48 |
| 18 | MP1 | Z | 2.05 | 48 |
| 19 | MP1 | X | -3.56 | 48 |
| 20 | MP1 | Z | 2.05 | 48 |
| 21 | MP2 | X | -6.89 | 48 |
| 22 | MP2 | Z | 3.98 | 48 |
| 23 | MP2 | X | -8.25 | 48 |
| 24 | MP2 | Z | 4.76 | 48 |
| 25 | MP3 | X | -4.51 | 48 |
| 26 | MP3 | Z | 2.6 | 48 |
| 27 | MP3 | X | -4.56 | 48 |
| 28 | MP3 | Z | 2.63 | 48 |
| 29 | MP4 | X | -5.13 | 48 |
| 30 | MP4 | Z | 2.96 | 48 |
| 31 | MP5 | X | -7.64 | 26 |
| 32 | MP5 | Z | 4.41 | 26 |
| 33 | MP5 | X | -7.64 | 70 |
| 34 | MP5 | Z | 4.41 | 70 |
| 35 | MP6 | X | -14.56 | 0 |
| 36 | MP6 | Z | 8.4 | 0 |
| 37 | MP6 | X | -14.56 | 96 |
| 38 | MP6 | Z | 8.4 | 96 |
| 39 | MP8 | X | -15.26 | 0 |
| 40 | MP8 | Z | 8.81 | 0 |
| 41 | MP8 | X | -15.26 | 96 |
| 42 | MP8 | Z | 8.81 | 96 |
| 43 | MP7 | X | -14.9 | 0 |
| 44 | MP7 | Z | 8.6 | 0 |
| 45 | MP7 | X | -14.9 | 96 |
| 46 | MP7 | Z | 8.6 | 96 |
| 47 | MP5 | X | -3.56 | 48 |
| 48 | MP5 | Z | 2.05 | 48 |
| 49 | MP5 | X | -3.56 | 48 |
| 50 | MP5 | Z | 2.05 | 48 |
| 51 | MP6 | X | -6.89 | 48 |
| 52 | MP6 | Z | 3.98 | 48 |
| 53 | MP6 | X | -8.25 | 48 |
| 54 | MP6 | Z | 4.76 | 48 |
| 55 | MP7 | X | -4.51 | 48 |
| 56 | MP7 | Z | 2.6 | 48 |
| 57 | MP7 | X | -4.56 | 48 |
| 58 | MP7 | Z | 2.63 | 48 |
| 59 | MP8 | X | -5.13 | 48 |
| 60 | MP8 | Z | 2.96 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 61 | MP9 | X | -7.16 | 26 |
| 62 | MP9 | Z | 4.13 | 26 |
| 63 | MP9 | X | -7.16 | 70 |
| 64 | MP9 | Z | 4.13 | 70 |
| 65 | MP10 | X | -16.18 | 0 |
| 66 | MP10 | Z | 9.34 | 0 |
| 67 | MP10 | X | -16.18 | 96 |
| 68 | MP10 | Z | 9.34 | 96 |
| 69 | MP12 | X | -19.52 | 0 |
| 70 | MP12 | Z | 11.27 | 0 |
| 71 | MP12 | X | -19.52 | 96 |
| 72 | MP12 | Z | 11.27 | 96 |
| 73 | MP11 | X | -19.03 | 0 |
| 74 | MP11 | Z | 10.99 | 0 |
| 75 | MP11 | X | -19.03 | 96 |
| 76 | MP11 | Z | 10.99 | 96 |
| 77 | MP9 | X | -3.53 | 48 |
| 78 | MP9 | Z | 2.04 | 48 |
| 79 | MP9 | X | -3.53 | 48 |
| 80 | MP9 | Z | 2.04 | 48 |
| 81 | MP10 | X | -7.84 | 48 |
| 82 | MP10 | Z | 4.52 | 48 |
| 83 | MP10 | X | -8.98 | 48 |
| 84 | MP10 | Z | 5.18 | 48 |
| 85 | MP11 | X | -5.21 | 48 |
| 86 | MP11 | Z | 3.01 | 48 |
| 87 | MP11 | X | -4.8 | 48 |
| 88 | MP11 | Z | 2.77 | 48 |
| 89 | MP12 | X | -5.61 | 48 |
| 90 | MP12 | Z | 3.24 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -3.49 | 26 |
| 2 | MP1 | Z | 6.04 | 26 |
| 3 | MP1 | X | -3.49 | 70 |
| 4 | MP1 | Z | 6.04 | 70 |
| 5 | MP2 | X | -9.14 | 0 |
| 6 | MP2 | Z | 15.84 | 0 |
| 7 | MP2 | X | -9.14 | 96 |
| 8 | MP2 | Z | 15.84 | 96 |
| 9 | MP4 | X | -10.75 | 0 |
| 10 | MP4 | Z | 18.62 | 0 |
| 11 | MP4 | X | -10.75 | 96 |
| 12 | MP4 | Z | 18.62 | 96 |
| 13 | MP3 | X | -10.49 | 0 |
| 14 | MP3 | Z | 18.16 | 0 |
| 15 | MP3 | X | -10.49 | 96 |
| 16 | MP3 | Z | 18.16 | 96 |
| 17 | MP1 | X | -2.04 | 48 |
| 18 | MP1 | Z | 3.54 | 48 |
| 19 | MP1 | X | -2.04 | 48 |
| 20 | MP1 | Z | 3.54 | 48 |
| 21 | MP2 | X | -4.41 | 48 |
| 22 | MP2 | Z | 7.64 | 48 |
| 23 | MP2 | X | -5.09 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 24 | MP2 | Z | 8.82 | 48 |
| 25 | MP3 | X | -2.92 | 48 |
| 26 | MP3 | Z | 5.06 | 48 |
| 27 | MP3 | X | -2.74 | 48 |
| 28 | MP3 | Z | 4.75 | 48 |
| 29 | MP4 | X | -3.18 | 48 |
| 30 | MP4 | Z | 5.5 | 48 |
| 31 | MP5 | X | -3.77 | 26 |
| 32 | MP5 | Z | 6.52 | 26 |
| 33 | MP5 | X | -3.77 | 70 |
| 34 | MP5 | Z | 6.52 | 70 |
| 35 | MP6 | X | -8.03 | 0 |
| 36 | MP6 | Z | 13.92 | 0 |
| 37 | MP6 | X | -8.03 | 96 |
| 38 | MP6 | Z | 13.92 | 96 |
| 39 | MP8 | X | -7.84 | 0 |
| 40 | MP8 | Z | 13.58 | 0 |
| 41 | MP8 | X | -7.84 | 96 |
| 42 | MP8 | Z | 13.58 | 96 |
| 43 | MP7 | X | -7.66 | 0 |
| 44 | MP7 | Z | 13.27 | 0 |
| 45 | MP7 | X | -7.66 | 96 |
| 46 | MP7 | Z | 13.27 | 96 |
| 47 | MP5 | X | -2.06 | 48 |
| 48 | MP5 | Z | 3.57 | 48 |
| 49 | MP5 | X | -2.06 | 48 |
| 50 | MP5 | Z | 3.57 | 48 |
| 51 | MP6 | X | -3.76 | 48 |
| 52 | MP6 | Z | 6.52 | 48 |
| 53 | MP6 | X | -4.59 | 48 |
| 54 | MP6 | Z | 7.96 | 48 |
| 55 | MP7 | X | -2.44 | 48 |
| 56 | MP7 | Z | 4.23 | 48 |
| 57 | MP7 | X | -2.58 | 48 |
| 58 | MP7 | Z | 4.46 | 48 |
| 59 | MP8 | X | -2.85 | 48 |
| 60 | MP8 | Z | 4.94 | 48 |
| 61 | MP9 | X | -4.59 | 26 |
| 62 | MP9 | Z | 7.95 | 26 |
| 63 | MP9 | X | -4.59 | 70 |
| 64 | MP9 | Z | 7.95 | 70 |
| 65 | MP10 | X | -9.47 | 0 |
| 66 | MP10 | Z | 16.4 | 0 |
| 67 | MP10 | X | -9.47 | 96 |
| 68 | MP10 | Z | 16.4 | 96 |
| 69 | MP12 | X | -11.6 | 0 |
| 70 | MP12 | Z | 20.1 | 0 |
| 71 | MP12 | X | -11.6 | 96 |
| 72 | MP12 | Z | 20.1 | 96 |
| 73 | MP11 | X | -11.31 | 0 |
| 74 | MP11 | Z | 19.6 | 0 |
| 75 | MP11 | X | -11.31 | 96 |
| 76 | MP11 | Z | 19.6 | 96 |
| 77 | MP9 | X | -2.04 | 48 |
| 78 | MP9 | Z | 3.53 | 48 |
| 79 | MP9 | X | -2.04 | 48 |
| 80 | MP9 | Z | 3.53 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 81 | MP10 | X | -4.6 | 48 |
| 82 | MP10 | Z | 7.97 | 48 |
| 83 | MP10 | X | -5.24 | 48 |
| 84 | MP10 | Z | 9.08 | 48 |
| 85 | MP11 | X | -3.06 | 48 |
| 86 | MP11 | Z | 5.3 | 48 |
| 87 | MP11 | X | -2.79 | 48 |
| 88 | MP11 | Z | 4.84 | 48 |
| 89 | MP12 | X | -3.27 | 48 |
| 90 | MP12 | Z | 5.67 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 0 | 26 |
| 2 | MP1 | Z | 8.26 | 26 |
| 3 | MP1 | X | 0 | 70 |
| 4 | MP1 | Z | 8.26 | 70 |
| 5 | MP2 | X | 0 | 0 |
| 6 | MP2 | Z | 19.03 | 0 |
| 7 | MP2 | X | 0 | 96 |
| 8 | MP2 | Z | 19.03 | 96 |
| 9 | MP4 | X | 0 | 0 |
| 10 | MP4 | Z | 23.44 | 0 |
| 11 | MP4 | X | 0 | 96 |
| 12 | MP4 | Z | 23.44 | 96 |
| 13 | MP3 | X | 0 | 0 |
| 14 | MP3 | Z | 22.85 | 0 |
| 15 | MP3 | X | 0 | 96 |
| 16 | MP3 | Z | 22.85 | 96 |
| 17 | MP1 | X | 0 | 48 |
| 18 | MP1 | Z | 4.07 | 48 |
| 19 | MP1 | X | 0 | 48 |
| 20 | MP1 | Z | 4.07 | 48 |
| 21 | MP2 | X | 0 | 48 |
| 22 | MP2 | Z | 9.25 | 48 |
| 23 | MP2 | X | 0 | 48 |
| 24 | MP2 | Z | 10.52 | 48 |
| 25 | MP3 | X | 0 | 48 |
| 26 | MP3 | Z | 6.16 | 48 |
| 27 | MP3 | X | 0 | 48 |
| 28 | MP3 | Z | 5.6 | 48 |
| 29 | MP4 | X | 0 | 48 |
| 30 | MP4 | Z | 6.58 | 48 |
| 31 | MP5 | X | 0 | 26 |
| 32 | MP5 | Z | 6.61 | 26 |
| 33 | MP5 | X | 0 | 70 |
| 34 | MP5 | Z | 6.61 | 70 |
| 35 | MP6 | X | 0 | 0 |
| 36 | MP6 | Z | 16.81 | 0 |
| 37 | MP6 | X | 0 | 96 |
| 38 | MP6 | Z | 16.81 | 96 |
| 39 | MP8 | X | 0 | 0 |
| 40 | MP8 | Z | 17.62 | 0 |
| 41 | MP8 | X | 0 | 96 |
| 42 | MP8 | Z | 17.62 | 96 |
| 43 | MP7 | X | 0 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 44 | MP7 | Z | 17.2 | 0 |
| 45 | MP7 | X | 0 | 96 |
| 46 | MP7 | Z | 17.2 | 96 |
| 47 | MP5 | X | 0 | 48 |
| 48 | MP5 | Z | 4.11 | 48 |
| 49 | MP5 | X | 0 | 48 |
| 50 | MP5 | Z | 4.11 | 48 |
| 51 | MP6 | X | 0 | 48 |
| 52 | MP6 | Z | 7.96 | 48 |
| 53 | MP6 | X | 0 | 48 |
| 54 | MP6 | Z | 9.52 | 48 |
| 55 | MP7 | X | 0 | 48 |
| 56 | MP7 | Z | 5.2 | 48 |
| 57 | MP7 | X | 0 | 48 |
| 58 | MP7 | Z | 5.27 | 48 |
| 59 | MP8 | X | 0 | 48 |
| 60 | MP8 | Z | 5.92 | 48 |
| 61 | MP9 | X | 0 | 26 |
| 62 | MP9 | Z | 8.82 | 26 |
| 63 | MP9 | X | 0 | 70 |
| 64 | MP9 | Z | 8.82 | 70 |
| 65 | MP10 | X | 0 | 0 |
| 66 | MP10 | Z | 17.8 | 0 |
| 67 | MP10 | X | 0 | 96 |
| 68 | MP10 | Z | 17.8 | 96 |
| 69 | MP12 | X | 0 | 0 |
| 70 | MP12 | Z | 20.24 | 0 |
| 71 | MP12 | X | 0 | 96 |
| 72 | MP12 | Z | 20.24 | 96 |
| 73 | MP11 | X | 0 | 0 |
| 74 | MP11 | Z | 19.74 | 0 |
| 75 | MP11 | X | 0 | 96 |
| 76 | MP11 | Z | 19.74 | 96 |
| 77 | MP9 | X | 0 | 48 |
| 78 | MP9 | Z | 4.09 | 48 |
| 79 | MP9 | X | 0 | 48 |
| 80 | MP9 | Z | 4.09 | 48 |
| 81 | MP10 | X | 0 | 48 |
| 82 | MP10 | Z | 8.54 | 48 |
| 83 | MP10 | X | 0 | 48 |
| 84 | MP10 | Z | 9.97 | 48 |
| 85 | MP11 | X | 0 | 48 |
| 86 | MP11 | Z | 5.63 | 48 |
| 87 | MP11 | X | 0 | 48 |
| 88 | MP11 | Z | 5.42 | 48 |
| 89 | MP12 | X | 0 | 48 |
| 90 | MP12 | Z | 6.21 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 4.59 | 26 |
| 2 | MP1 | Z | 7.95 | 26 |
| 3 | MP1 | X | 4.59 | 70 |
| 4 | MP1 | Z | 7.95 | 70 |
| 5 | MP2 | X | 9.14 | 0 |
| 6 | MP2 | Z | 15.84 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 7 | MP2 | X | 9.14 | 96 |
| 8 | MP2 | Z | 15.84 | 96 |
| 9 | MP4 | X | 10.75 | 0 |
| 10 | MP4 | Z | 18.62 | 0 |
| 11 | MP4 | X | 10.75 | 96 |
| 12 | MP4 | Z | 18.62 | 96 |
| 13 | MP3 | X | 10.49 | 0 |
| 14 | MP3 | Z | 18.16 | 0 |
| 15 | MP3 | X | 10.49 | 96 |
| 16 | MP3 | Z | 18.16 | 96 |
| 17 | MP1 | X | 2.04 | 48 |
| 18 | MP1 | Z | 3.54 | 48 |
| 19 | MP1 | X | 2.04 | 48 |
| 20 | MP1 | Z | 3.54 | 48 |
| 21 | MP2 | X | 4.41 | 48 |
| 22 | MP2 | Z | 7.64 | 48 |
| 23 | MP2 | X | 5.09 | 48 |
| 24 | MP2 | Z | 8.82 | 48 |
| 25 | MP3 | X | 2.92 | 48 |
| 26 | MP3 | Z | 5.06 | 48 |
| 27 | MP3 | X | 2.74 | 48 |
| 28 | MP3 | Z | 4.75 | 48 |
| 29 | MP4 | X | 3.18 | 48 |
| 30 | MP4 | Z | 5.5 | 48 |
| 31 | MP5 | X | 3.49 | 26 |
| 32 | MP5 | Z | 6.04 | 26 |
| 33 | MP5 | X | 3.49 | 70 |
| 34 | MP5 | Z | 6.04 | 70 |
| 35 | MP6 | X | 9.14 | 0 |
| 36 | MP6 | Z | 15.84 | 0 |
| 37 | MP6 | X | 9.14 | 96 |
| 38 | MP6 | Z | 15.84 | 96 |
| 39 | MP8 | X | 10.75 | 0 |
| 40 | MP8 | Z | 18.62 | 0 |
| 41 | MP8 | X | 10.75 | 96 |
| 42 | MP8 | Z | 18.62 | 96 |
| 43 | MP7 | X | 10.49 | 0 |
| 44 | MP7 | Z | 18.16 | 0 |
| 45 | MP7 | X | 10.49 | 96 |
| 46 | MP7 | Z | 18.16 | 96 |
| 47 | MP5 | X | 2.04 | 48 |
| 48 | MP5 | Z | 3.54 | 48 |
| 49 | MP5 | X | 2.04 | 48 |
| 50 | MP5 | Z | 3.54 | 48 |
| 51 | MP6 | X | 4.41 | 48 |
| 52 | MP6 | Z | 7.64 | 48 |
| 53 | MP6 | X | 5.09 | 48 |
| 54 | MP6 | Z | 8.82 | 48 |
| 55 | MP7 | X | 2.92 | 48 |
| 56 | MP7 | Z | 5.06 | 48 |
| 57 | MP7 | X | 2.74 | 48 |
| 58 | MP7 | Z | 4.75 | 48 |
| 59 | MP8 | X | 3.18 | 48 |
| 60 | MP8 | Z | 5.5 | 48 |
| 61 | MP9 | X | 3.77 | 26 |
| 62 | MP9 | Z | 6.52 | 26 |
| 63 | MP9 | X | 3.77 | 70 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 64 | MP9 | Z | 6.52 | 70 |
| 65 | MP10 | X | 8.21 | 0 |
| 66 | MP10 | Z | 14.21 | 0 |
| 67 | MP10 | X | 8.21 | 96 |
| 68 | MP10 | Z | 14.21 | 96 |
| 69 | MP12 | X | 8.3 | 0 |
| 70 | MP12 | Z | 14.37 | 0 |
| 71 | MP12 | X | 8.3 | 96 |
| 72 | MP12 | Z | 14.37 | 96 |
| 73 | MP11 | X | 8.1 | 0 |
| 74 | MP11 | Z | 14.03 | 0 |
| 75 | MP11 | X | 8.1 | 96 |
| 76 | MP11 | Z | 14.03 | 96 |
| 77 | MP9 | X | 2.06 | 48 |
| 78 | MP9 | Z | 3.56 | 48 |
| 79 | MP9 | X | 2.06 | 48 |
| 80 | MP9 | Z | 3.56 | 48 |
| 81 | MP10 | X | 3.87 | 48 |
| 82 | MP10 | Z | 6.7 | 48 |
| 83 | MP10 | X | 4.67 | 48 |
| 84 | MP10 | Z | 8.09 | 48 |
| 85 | MP11 | X | 2.52 | 48 |
| 86 | MP11 | Z | 4.36 | 48 |
| 87 | MP11 | X | 2.6 | 48 |
| 88 | MP11 | Z | 4.51 | 48 |
| 89 | MP12 | X | 2.9 | 48 |
| 90 | MP12 | Z | 5.02 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 7.64 | 26 |
| 2 | MP1 | Z | 4.41 | 26 |
| 3 | MP1 | X | 7.64 | 70 |
| 4 | MP1 | Z | 4.41 | 70 |
| 5 | MP2 | X | 14.56 | 0 |
| 6 | MP2 | Z | 8.4 | 0 |
| 7 | MP2 | X | 14.56 | 96 |
| 8 | MP2 | Z | 8.4 | 96 |
| 9 | MP4 | X | 15.26 | 0 |
| 10 | MP4 | Z | 8.81 | 0 |
| 11 | MP4 | X | 15.26 | 96 |
| 12 | MP4 | Z | 8.81 | 96 |
| 13 | MP3 | X | 14.9 | 0 |
| 14 | MP3 | Z | 8.6 | 0 |
| 15 | MP3 | X | 14.9 | 96 |
| 16 | MP3 | Z | 8.6 | 96 |
| 17 | MP1 | X | 3.56 | 48 |
| 18 | MP1 | Z | 2.05 | 48 |
| 19 | MP1 | X | 3.56 | 48 |
| 20 | MP1 | Z | 2.05 | 48 |
| 21 | MP2 | X | 6.89 | 48 |
| 22 | MP2 | Z | 3.98 | 48 |
| 23 | MP2 | X | 8.25 | 48 |
| 24 | MP2 | Z | 4.76 | 48 |
| 25 | MP3 | X | 4.51 | 48 |
| 26 | MP3 | Z | 2.6 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 27 | MP3 | X | 4.56 | 48 |
| 28 | MP3 | Z | 2.63 | 48 |
| 29 | MP4 | X | 5.13 | 48 |
| 30 | MP4 | Z | 2.96 | 48 |
| 31 | MP5 | X | 7.16 | 26 |
| 32 | MP5 | Z | 4.13 | 26 |
| 33 | MP5 | X | 7.16 | 70 |
| 34 | MP5 | Z | 4.13 | 70 |
| 35 | MP6 | X | 16.48 | 0 |
| 36 | MP6 | Z | 9.51 | 0 |
| 37 | MP6 | X | 16.48 | 96 |
| 38 | MP6 | Z | 9.51 | 96 |
| 39 | MP8 | X | 20.3 | 0 |
| 40 | MP8 | Z | 11.72 | 0 |
| 41 | MP8 | X | 20.3 | 96 |
| 42 | MP8 | Z | 11.72 | 96 |
| 43 | MP7 | X | 19.79 | 0 |
| 44 | MP7 | Z | 11.43 | 0 |
| 45 | MP7 | X | 19.79 | 96 |
| 46 | MP7 | Z | 11.43 | 96 |
| 47 | MP5 | X | 3.53 | 48 |
| 48 | MP5 | Z | 2.04 | 48 |
| 49 | MP5 | X | 3.53 | 48 |
| 50 | MP5 | Z | 2.04 | 48 |
| 51 | MP6 | X | 8.01 | 48 |
| 52 | MP6 | Z | 4.63 | 48 |
| 53 | MP6 | X | 9.11 | 48 |
| 54 | MP6 | Z | 5.26 | 48 |
| 55 | MP7 | X | 5.34 | 48 |
| 56 | MP7 | Z | 3.08 | 48 |
| 57 | MP7 | X | 4.85 | 48 |
| 58 | MP7 | Z | 2.8 | 48 |
| 59 | MP8 | X | 5.69 | 48 |
| 60 | MP8 | Z | 3.29 | 48 |
| 61 | MP9 | X | 5.73 | 26 |
| 62 | MP9 | Z | 3.31 | 26 |
| 63 | MP9 | X | 5.73 | 70 |
| 64 | MP9 | Z | 3.31 | 70 |
| 65 | MP10 | X | 13.99 | 0 |
| 66 | MP10 | Z | 8.08 | 0 |
| 67 | MP10 | X | 13.99 | 96 |
| 68 | MP10 | Z | 8.08 | 96 |
| 69 | MP12 | X | 13.79 | 0 |
| 70 | MP12 | Z | 7.96 | 0 |
| 71 | MP12 | X | 13.79 | 96 |
| 72 | MP12 | Z | 7.96 | 96 |
| 73 | MP11 | X | 13.46 | 0 |
| 74 | MP11 | Z | 7.77 | 0 |
| 75 | MP11 | X | 13.46 | 96 |
| 76 | MP11 | Z | 7.77 | 96 |
| 77 | MP9 | X | 3.57 | 48 |
| 78 | MP9 | Z | 2.06 | 48 |
| 79 | MP9 | X | 3.57 | 48 |
| 80 | MP9 | Z | 2.06 | 48 |
| 81 | MP10 | X | 6.57 | 48 |
| 82 | MP10 | Z | 3.79 | 48 |
| 83 | MP10 | X | 7.99 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 84 | MP10 | Z | 4.61 | 48 |
| 85 | MP11 | X | 4.26 | 48 |
| 86 | MP11 | Z | 2.46 | 48 |
| 87 | MP11 | X | 4.48 | 48 |
| 88 | MP11 | Z | 2.58 | 48 |
| 89 | MP12 | X | 4.96 | 48 |
| 90 | MP12 | Z | 2.86 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 7.53 | 26 |
| 2 | MP1 | Z | 0 | 26 |
| 3 | MP1 | X | 7.53 | 70 |
| 4 | MP1 | Z | 0 | 70 |
| 5 | MP2 | X | 16.07 | 0 |
| 6 | MP2 | Z | 0 | 0 |
| 7 | MP2 | X | 16.07 | 96 |
| 8 | MP2 | Z | 0 | 96 |
| 9 | MP4 | X | 15.68 | 0 |
| 10 | MP4 | Z | 0 | 0 |
| 11 | MP4 | X | 15.68 | 96 |
| 12 | MP4 | Z | 0 | 96 |
| 13 | MP3 | X | 15.32 | 0 |
| 14 | MP3 | Z | 0 | 0 |
| 15 | MP3 | X | 15.32 | 96 |
| 16 | MP3 | Z | 0 | 96 |
| 17 | MP1 | X | 4.12 | 48 |
| 18 | MP1 | Z | 0 | 48 |
| 19 | MP1 | X | 4.12 | 48 |
| 20 | MP1 | Z | 0 | 48 |
| 21 | MP2 | X | 7.53 | 48 |
| 22 | MP2 | Z | 0 | 48 |
| 23 | MP2 | X | 9.19 | 48 |
| 24 | MP2 | Z | 0 | 48 |
| 25 | MP3 | X | 4.88 | 48 |
| 26 | MP3 | Z | 0 | 48 |
| 27 | MP3 | X | 5.15 | 48 |
| 28 | MP3 | Z | 0 | 48 |
| 29 | MP4 | X | 5.7 | 48 |
| 30 | MP4 | Z | 0 | 48 |
| 31 | MP5 | X | 9.18 | 26 |
| 32 | MP5 | Z | 0 | 26 |
| 33 | MP5 | X | 9.18 | 70 |
| 34 | MP5 | Z | 0 | 70 |
| 35 | MP6 | X | 18.29 | 0 |
| 36 | MP6 | Z | 0 | 0 |
| 37 | MP6 | X | 18.29 | 96 |
| 38 | MP6 | Z | 0 | 96 |
| 39 | MP8 | X | 21.5 | 0 |
| 40 | MP8 | Z | 0 | 0 |
| 41 | MP8 | X | 21.5 | 96 |
| 42 | MP8 | Z | 0 | 96 |
| 43 | MP7 | X | 20.97 | 0 |
| 44 | MP7 | Z | 0 | 0 |
| 45 | MP7 | X | 20.97 | 96 |
| 46 | MP7 | Z | 0 | 96 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 47 | MP5 | X | 4.08 | 48 |
| 48 | MP5 | Z | 0 | 48 |
| 49 | MP5 | X | 4.08 | 48 |
| 50 | MP5 | Z | 0 | 48 |
| 51 | MP6 | X | 8.82 | 48 |
| 52 | MP6 | Z | 0 | 48 |
| 53 | MP6 | X | 10.19 | 48 |
| 54 | MP6 | Z | 0 | 48 |
| 55 | MP7 | X | 5.84 | 48 |
| 56 | MP7 | Z | 0 | 48 |
| 57 | MP7 | X | 5.49 | 48 |
| 58 | MP7 | Z | 0 | 48 |
| 59 | MP8 | X | 6.36 | 48 |
| 60 | MP8 | Z | 0 | 48 |
| 61 | MP9 | X | 6.98 | 26 |
| 62 | MP9 | Z | 0 | 26 |
| 63 | MP9 | X | 6.98 | 70 |
| 64 | MP9 | Z | 0 | 70 |
| 65 | MP10 | X | 17.29 | 0 |
| 66 | MP10 | Z | 0 | 0 |
| 67 | MP10 | X | 17.29 | 96 |
| 68 | MP10 | Z | 0 | 96 |
| 69 | MP12 | X | 18.89 | 0 |
| 70 | MP12 | Z | 0 | 0 |
| 71 | MP12 | X | 18.89 | 96 |
| 72 | MP12 | Z | 0 | 96 |
| 73 | MP11 | X | 18.43 | 0 |
| 74 | MP11 | Z | 0 | 0 |
| 75 | MP11 | X | 18.43 | 96 |
| 76 | MP11 | Z | 0 | 96 |
| 77 | MP9 | X | 4.1 | 48 |
| 78 | MP9 | Z | 0 | 48 |
| 79 | MP9 | X | 4.1 | 48 |
| 80 | MP9 | Z | 0 | 48 |
| 81 | MP10 | X | 8.24 | 48 |
| 82 | MP10 | Z | 0 | 48 |
| 83 | MP10 | X | 9.74 | 48 |
| 84 | MP10 | Z | 0 | 48 |
| 85 | MP11 | X | 5.41 | 48 |
| 86 | MP11 | Z | 0 | 48 |
| 87 | MP11 | X | 5.34 | 48 |
| 88 | MP11 | Z | 0 | 48 |
| 89 | MP12 | X | 6.06 | 48 |
| 90 | MP12 | Z | 0 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 5.73 | 26 |
| 2 | MP1 | Z | -3.31 | 26 |
| 3 | MP1 | X | 5.73 | 70 |
| 4 | MP1 | Z | -3.31 | 70 |
| 5 | MP2 | X | 14.56 | 0 |
| 6 | MP2 | Z | -8.4 | 0 |
| 7 | MP2 | X | 14.56 | 96 |
| 8 | MP2 | Z | -8.4 | 96 |
| 9 | MP4 | X | 15.26 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 10 | MP4 | Z | -8.81 | 0 |
| 11 | MP4 | X | 15.26 | 96 |
| 12 | MP4 | Z | -8.81 | 96 |
| 13 | MP3 | X | 14.9 | 0 |
| 14 | MP3 | Z | -8.6 | 0 |
| 15 | MP3 | X | 14.9 | 96 |
| 16 | MP3 | Z | -8.6 | 96 |
| 17 | MP1 | X | 3.56 | 48 |
| 18 | MP1 | Z | -2.05 | 48 |
| 19 | MP1 | X | 3.56 | 48 |
| 20 | MP1 | Z | -2.05 | 48 |
| 21 | MP2 | X | 6.89 | 48 |
| 22 | MP2 | Z | -3.98 | 48 |
| 23 | MP2 | X | 8.25 | 48 |
| 24 | MP2 | Z | -4.76 | 48 |
| 25 | MP3 | X | 4.51 | 48 |
| 26 | MP3 | Z | -2.6 | 48 |
| 27 | MP3 | X | 4.56 | 48 |
| 28 | MP3 | Z | -2.63 | 48 |
| 29 | MP4 | X | 5.13 | 48 |
| 30 | MP4 | Z | -2.96 | 48 |
| 31 | MP5 | X | 7.64 | 26 |
| 32 | MP5 | Z | -4.41 | 26 |
| 33 | MP5 | X | 7.64 | 70 |
| 34 | MP5 | Z | -4.41 | 70 |
| 35 | MP6 | X | 14.56 | 0 |
| 36 | MP6 | Z | -8.4 | 0 |
| 37 | MP6 | X | 14.56 | 96 |
| 38 | MP6 | Z | -8.4 | 96 |
| 39 | MP8 | X | 15.26 | 0 |
| 40 | MP8 | Z | -8.81 | 0 |
| 41 | MP8 | X | 15.26 | 96 |
| 42 | MP8 | Z | -8.81 | 96 |
| 43 | MP7 | X | 14.9 | 0 |
| 44 | MP7 | Z | -8.6 | 0 |
| 45 | MP7 | X | 14.9 | 96 |
| 46 | MP7 | Z | -8.6 | 96 |
| 47 | MP5 | X | 3.56 | 48 |
| 48 | MP5 | Z | -2.05 | 48 |
| 49 | MP5 | X | 3.56 | 48 |
| 50 | MP5 | Z | -2.05 | 48 |
| 51 | MP6 | X | 6.89 | 48 |
| 52 | MP6 | Z | -3.98 | 48 |
| 53 | MP6 | X | 8.25 | 48 |
| 54 | MP6 | Z | -4.76 | 48 |
| 55 | MP7 | X | 4.51 | 48 |
| 56 | MP7 | Z | -2.6 | 48 |
| 57 | MP7 | X | 4.56 | 48 |
| 58 | MP7 | Z | -2.63 | 48 |
| 59 | MP8 | X | 5.13 | 48 |
| 60 | MP8 | Z | -2.96 | 48 |
| 61 | MP9 | X | 7.16 | 26 |
| 62 | MP9 | Z | -4.13 | 26 |
| 63 | MP9 | X | 7.16 | 70 |
| 64 | MP9 | Z | -4.13 | 70 |
| 65 | MP10 | X | 16.18 | 0 |
| 66 | MP10 | Z | -9.34 | 0 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 67 | MP10 | X | 16.18 | 96 |
| 68 | MP10 | Z | -9.34 | 96 |
| 69 | MP12 | X | 19.52 | 0 |
| 70 | MP12 | Z | -11.27 | 0 |
| 71 | MP12 | X | 19.52 | 96 |
| 72 | MP12 | Z | -11.27 | 96 |
| 73 | MP11 | X | 19.03 | 0 |
| 74 | MP11 | Z | -10.99 | 0 |
| 75 | MP11 | X | 19.03 | 96 |
| 76 | MP11 | Z | -10.99 | 96 |
| 77 | MP9 | X | 3.53 | 48 |
| 78 | MP9 | Z | -2.04 | 48 |
| 79 | MP9 | X | 3.53 | 48 |
| 80 | MP9 | Z | -2.04 | 48 |
| 81 | MP10 | X | 7.84 | 48 |
| 82 | MP10 | Z | -4.52 | 48 |
| 83 | MP10 | X | 8.98 | 48 |
| 84 | MP10 | Z | -5.18 | 48 |
| 85 | MP11 | X | 5.21 | 48 |
| 86 | MP11 | Z | -3.01 | 48 |
| 87 | MP11 | X | 4.8 | 48 |
| 88 | MP11 | Z | -2.77 | 48 |
| 89 | MP12 | X | 5.61 | 48 |
| 90 | MP12 | Z | -3.24 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | 3.49 | 26 |
| 2 | MP1 | Z | -6.04 | 26 |
| 3 | MP1 | X | 3.49 | 70 |
| 4 | MP1 | Z | -6.04 | 70 |
| 5 | MP2 | X | 9.14 | 0 |
| 6 | MP2 | Z | -15.84 | 0 |
| 7 | MP2 | X | 9.14 | 96 |
| 8 | MP2 | Z | -15.84 | 96 |
| 9 | MP4 | X | 10.75 | 0 |
| 10 | MP4 | Z | -18.62 | 0 |
| 11 | MP4 | X | 10.75 | 96 |
| 12 | MP4 | Z | -18.62 | 96 |
| 13 | MP3 | X | 10.49 | 0 |
| 14 | MP3 | Z | -18.16 | 0 |
| 15 | MP3 | X | 10.49 | 96 |
| 16 | MP3 | Z | -18.16 | 96 |
| 17 | MP1 | X | 2.04 | 48 |
| 18 | MP1 | Z | -3.54 | 48 |
| 19 | MP1 | X | 2.04 | 48 |
| 20 | MP1 | Z | -3.54 | 48 |
| 21 | MP2 | X | 4.41 | 48 |
| 22 | MP2 | Z | -7.64 | 48 |
| 23 | MP2 | X | 5.09 | 48 |
| 24 | MP2 | Z | -8.82 | 48 |
| 25 | MP3 | X | 2.92 | 48 |
| 26 | MP3 | Z | -5.06 | 48 |
| 27 | MP3 | X | 2.74 | 48 |
| 28 | MP3 | Z | -4.75 | 48 |
| 29 | MP4 | X | 3.18 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 30 | MP4 | Z | -5.5 | 48 |
| 31 | MP5 | X | 3.77 | 26 |
| 32 | MP5 | Z | -6.52 | 26 |
| 33 | MP5 | X | 3.77 | 70 |
| 34 | MP5 | Z | -6.52 | 70 |
| 35 | MP6 | X | 8.03 | 0 |
| 36 | MP6 | Z | -13.92 | 0 |
| 37 | MP6 | X | 8.03 | 96 |
| 38 | MP6 | Z | -13.92 | 96 |
| 39 | MP8 | X | 7.84 | 0 |
| 40 | MP8 | Z | -13.58 | 0 |
| 41 | MP8 | X | 7.84 | 96 |
| 42 | MP8 | Z | -13.58 | 96 |
| 43 | MP7 | X | 7.66 | 0 |
| 44 | MP7 | Z | -13.27 | 0 |
| 45 | MP7 | X | 7.66 | 96 |
| 46 | MP7 | Z | -13.27 | 96 |
| 47 | MP5 | X | 2.06 | 48 |
| 48 | MP5 | Z | -3.57 | 48 |
| 49 | MP5 | X | 2.06 | 48 |
| 50 | MP5 | Z | -3.57 | 48 |
| 51 | MP6 | X | 3.76 | 48 |
| 52 | MP6 | Z | -6.52 | 48 |
| 53 | MP6 | X | 4.59 | 48 |
| 54 | MP6 | Z | -7.96 | 48 |
| 55 | MP7 | X | 2.44 | 48 |
| 56 | MP7 | Z | -4.23 | 48 |
| 57 | MP7 | X | 2.58 | 48 |
| 58 | MP7 | Z | -4.46 | 48 |
| 59 | MP8 | X | 2.85 | 48 |
| 60 | MP8 | Z | -4.94 | 48 |
| 61 | MP9 | X | 4.59 | 26 |
| 62 | MP9 | Z | -7.95 | 26 |
| 63 | MP9 | X | 4.59 | 70 |
| 64 | MP9 | Z | -7.95 | 70 |
| 65 | MP10 | X | 9.47 | 0 |
| 66 | MP10 | Z | -16.4 | 0 |
| 67 | MP10 | X | 9.47 | 96 |
| 68 | MP10 | Z | -16.4 | 96 |
| 69 | MP12 | X | 11.6 | 0 |
| 70 | MP12 | Z | -20.1 | 0 |
| 71 | MP12 | X | 11.6 | 96 |
| 72 | MP12 | Z | -20.1 | 96 |
| 73 | MP11 | X | 11.31 | 0 |
| 74 | MP11 | Z | -19.6 | 0 |
| 75 | MP11 | X | 11.31 | 96 |
| 76 | MP11 | Z | -19.6 | 96 |
| 77 | MP9 | X | 2.04 | 48 |
| 78 | MP9 | Z | -3.53 | 48 |
| 79 | MP9 | X | 2.04 | 48 |
| 80 | MP9 | Z | -3.53 | 48 |
| 81 | MP10 | X | 4.6 | 48 |
| 82 | MP10 | Z | -7.97 | 48 |
| 83 | MP10 | X | 5.24 | 48 |
| 84 | MP10 | Z | -9.08 | 48 |
| 85 | MP11 | X | 3.06 | 48 |
| 86 | MP11 | Z | -5.3 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 87 | MP11 | X | 2.79 | 48 |
| 88 | MP11 | Z | -4.84 | 48 |
| 89 | MP12 | X | 3.27 | 48 |
| 90 | MP12 | Z | -5.67 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | Z | -1.764 | 26 |
| 2 | MP1 | Z | -1.764 | 70 |
| 3 | MP2 | Z | -4.113 | 0 |
| 4 | MP2 | Z | -4.113 | 96 |
| 5 | MP4 | Z | -4.823 | 0 |
| 6 | MP4 | Z | -4.823 | 96 |
| 7 | MP3 | Z | -5.776 | 0 |
| 8 | MP3 | Z | -5.776 | 96 |
| 9 | MP1 | Z | -1.764 | 48 |
| 10 | MP1 | Z | -1.764 | 48 |
| 11 | MP2 | Z | -5.342 | 48 |
| 12 | MP2 | Z | -7.762 | 48 |
| 13 | MP3 | Z | -6.038 | 48 |
| 14 | MP3 | Z | -7.258 | 48 |
| 15 | MP4 | Z | -7.157 | 48 |
| 16 | MP5 | Z | -1.764 | 26 |
| 17 | MP5 | Z | -1.764 | 70 |
| 18 | MP6 | Z | -4.113 | 0 |
| 19 | MP6 | Z | -4.113 | 96 |
| 20 | MP8 | Z | -4.823 | 0 |
| 21 | MP8 | Z | -4.823 | 96 |
| 22 | MP7 | Z | -5.776 | 0 |
| 23 | MP7 | Z | -5.776 | 96 |
| 24 | MP5 | Z | -1.764 | 48 |
| 25 | MP5 | Z | -1.764 | 48 |
| 26 | MP6 | Z | -5.342 | 48 |
| 27 | MP6 | Z | -7.762 | 48 |
| 28 | MP7 | Z | -6.038 | 48 |
| 29 | MP7 | Z | -7.258 | 48 |
| 30 | MP8 | Z | -7.157 | 48 |
| 31 | MP9 | Z | -1.764 | 26 |
| 32 | MP9 | Z | -1.764 | 70 |
| 33 | MP10 | Z | -4.113 | 0 |
| 34 | MP10 | Z | -4.113 | 96 |
| 35 | MP12 | Z | -4.823 | 0 |
| 36 | MP12 | Z | -4.823 | 96 |
| 37 | MP11 | Z | -5.776 | 0 |
| 38 | MP11 | Z | -5.776 | 96 |
| 39 | MP9 | Z | -1.764 | 48 |
| 40 | MP9 | Z | -1.764 | 48 |
| 41 | MP10 | Z | -5.342 | 48 |
| 42 | MP10 | Z | -7.762 | 48 |
| 43 | MP11 | Z | -6.038 | 48 |
| 44 | MP11 | Z | -7.258 | 48 |
| 45 | MP12 | Z | -7.157 | 48 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 1 | MP1 | X | -1.764 | 26 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|---|---|---|---|
| 2 | MP1 | X | -1.764 | 70 |
| 3 | MP2 | X | -4.113 | 0 |
| 4 | MP2 | X | -4.113 | 96 |
| 5 | MP4 | X | -4.823 | 0 |
| 6 | MP4 | X | -4.823 | 96 |
| 7 | MP3 | X | -5.776 | 0 |
| 8 | MP3 | X | -5.776 | 96 |
| 9 | MP1 | X | -1.764 | 48 |
| 10 | MP1 | X | -1.764 | 48 |
| 11 | MP2 | X | -5.342 | 48 |
| 12 | MP2 | X | -7.762 | 48 |
| 13 | MP3 | X | -6.038 | 48 |
| 14 | MP3 | X | -7.258 | 48 |
| 15 | MP4 | X | -7.157 | 48 |
| 16 | MP5 | X | -1.764 | 26 |
| 17 | MP5 | X | -1.764 | 70 |
| 18 | MP6 | X | -4.113 | 0 |
| 19 | MP6 | X | -4.113 | 96 |
| 20 | MP8 | X | -4.823 | 0 |
| 21 | MP8 | X | -4.823 | 96 |
| 22 | MP7 | X | -5.776 | 0 |
| 23 | MP7 | X | -5.776 | 96 |
| 24 | MP5 | X | -1.764 | 48 |
| 25 | MP5 | X | -1.764 | 48 |
| 26 | MP6 | X | -5.342 | 48 |
| 27 | MP6 | X | -7.762 | 48 |
| 28 | MP7 | X | -6.038 | 48 |
| 29 | MP7 | X | -7.258 | 48 |
| 30 | MP8 | X | -7.157 | 48 |
| 31 | MP9 | X | -1.764 | 26 |
| 32 | MP9 | X | -1.764 | 70 |
| 33 | MP10 | X | -4.113 | 0 |
| 34 | MP10 | X | -4.113 | 96 |
| 35 | MP12 | X | -4.823 | 0 |
| 36 | MP12 | X | -4.823 | 96 |
| 37 | MP11 | X | -5.776 | 0 |
| 38 | MP11 | X | -5.776 | 96 |
| 39 | MP9 | X | -1.764 | 48 |
| 40 | MP9 | X | -1.764 | 48 |
| 41 | MP10 | X | -5.342 | 48 |
| 42 | MP10 | X | -7.762 | 48 |
| 43 | MP11 | X | -6.038 | 48 |
| 44 | MP11 | X | -7.258 | 48 |
| 45 | MP12 | X | -7.157 | 48 |

## 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 | -70.919 | -70.919 | 0 | %100 |
| 2 | M2 | SZ | -70.919 | -70.919 | 0 | %100 |
| 3 | M3 | SZ | -70.919 | -70.919 | 0 | %100 |
| 4 | M4 | SZ | -42.551 | -42.551 | 0 | %100 |
| 5 | M5 | SZ | -42.551 | -42.551 | 0 | %100 |
| 6 | M6 | SZ | -42.551 | -42.551 | 0 | %100 |
| 7 | M7 | SZ | 0 | 0 | 0 | %100 |
| 8 | M8 | 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,... |
|---|---|---|---|---|---|---|
| 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 | -70.919 | -70.919 | 0 | %100 |
| 15 | M15 | SZ | -70.919 | -70.919 | 0 | %100 |
| 16 | M16 | SZ | -42.551 | -42.551 | 0 | %100 |
| 17 | M17 | SZ | -42.551 | -42.551 | 0 | %100 |
| 18 | M18 | SZ | 0 | 0 | 0 | %100 |
| 19 | M19 | SZ | 0 | 0 | 0 | %100 |
| 20 | M20 | SZ | -70.919 | -70.919 | 0 | %100 |
| 21 | M21 | SZ | 0 | 0 | 0 | %100 |
| 22 | M22 | SZ | 0 | 0 | 0 | %100 |
| 23 | M23 | SZ | -70.919 | -70.919 | 0 | %100 |
| 24 | M24 | SZ | -70.919 | -70.919 | 0 | %100 |
| 25 | M25 | SZ | 0 | 0 | 0 | %100 |
| 26 | M26 | SZ | 0 | 0 | 0 | %100 |
| 27 | M27 | SZ | -70.919 | -70.919 | 0 | %100 |
| 28 | M28 | SZ | -70.919 | -70.919 | 0 | %100 |
| 29 | M29 | SZ | 0 | 0 | 0 | %100 |
| 30 | M30 | SZ | -42.551 | -42.551 | 0 | %100 |
| 31 | M31 | SZ | -70.919 | -70.919 | 0 | %100 |
| 32 | M32 | SZ | -70.919 | -70.919 | 0 | %100 |
| 33 | M33 | SZ | -70.919 | -70.919 | 0 | %100 |
| 34 | M34 | SZ | -70.919 | -70.919 | 0 | %100 |
| 35 | M35 | SZ | -70.919 | -70.919 | 0 | %100 |
| 36 | M36 | SZ | -70.919 | -70.919 | 0 | %100 |
| 37 | M37 | SZ | -70.919 | -70.919 | 0 | %100 |
| 38 | M38 | SZ | -70.919 | -70.919 | 0 | %100 |
| 39 | M39 | SZ | -70.919 | -70.919 | 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 | -70.919 | -70.919 | 0 | %100 |
| 44 | M44 | SZ | 0 | 0 | 0 | %100 |
| 45 | M45 | SZ | -70.919 | -70.919 | 0 | %100 |
| 46 | M46 | SZ | -70.919 | -70.919 | 0 | %100 |
| 47 | M47 | SZ | -70.919 | -70.919 | 0 | %100 |
| 48 | M48 | SZ | 0 | 0 | 0 | %100 |
| 49 | M49 | SZ | -70.919 | -70.919 | 0 | %100 |
| 50 | M50 | SZ | 0 | 0 | 0 | %100 |
| 51 | M51 | SZ | -70.919 | -70.919 | 0 | %100 |
| 52 | M52 | SZ | -70.919 | -70.919 | 0 | %100 |
| 53 | M53 | SZ | 0 | 0 | 0 | %100 |
| 54 | M54 | SZ | -70.919 | -70.919 | 0 | %100 |
| 55 | M55 | SZ | -70.919 | -70.919 | 0 | %100 |
| 56 | M56 | SZ | -70.919 | -70.919 | 0 | %100 |
| 57 | M57 | SZ | 0 | 0 | 0 | %100 |
| 58 | M58 | SZ | -70.919 | -70.919 | 0 | %100 |
| 59 | M59 | SZ | -70.919 | -70.919 | 0 | %100 |
| 60 | M60 | SZ | -70.919 | -70.919 | 0 | %100 |
| 61 | M61 | SZ | -70.919 | -70.919 | 0 | %100 |
| 62 | M62 | SZ | -70.919 | -70.919 | 0 | %100 |
| 63 | M63 | SZ | -70.919 | -70.919 | 0 | %100 |
| 64 | M64 | SZ | 0 | 0 | 0 | %100 |
| 65 | M65 | 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,... |
|---|---|---|---|---|---|---|
| 66 | M66 | SZ | 0 | 0 | 0 | %100 |
| 67 | M67 | SZ | -70.919 | -70.919 | 0 | %100 |
| 68 | M68 | SZ | 0 | 0 | 0 | %100 |
| 69 | M69 | SZ | -70.919 | -70.919 | 0 | %100 |
| 70 | M70 | SZ | -70.919 | -70.919 | 0 | %100 |
| 71 | M71 | SZ | 0 | 0 | 0 | %100 |
| 72 | M72 | SZ | 0 | 0 | 0 | %100 |
| 73 | M73 | SZ | -70.919 | -70.919 | 0 | %100 |
| 74 | M74 | SZ | 0 | 0 | 0 | %100 |
| 75 | M75 | SZ | -70.919 | -70.919 | 0 | %100 |
| 76 | M76 | SZ | -70.919 | -70.919 | 0 | %100 |
| 77 | M77 | SZ | -70.919 | -70.919 | 0 | %100 |
| 78 | M78 | SZ | 0 | 0 | 0 | %100 |
| 79 | M79 | SZ | -70.919 | -70.919 | 0 | %100 |
| 80 | M80 | SZ | -70.919 | -70.919 | 0 | %100 |
| 81 | M81 | SZ | -70.919 | -70.919 | 0 | %100 |
| 82 | M82 | SZ | -70.919 | -70.919 | 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 | -70.919 | -70.919 | 0 | %100 |
| 90 | M90 | SZ | -70.919 | -70.919 | 0 | %100 |
| 91 | MP1 | SZ | -42.551 | -42.551 | 0 | %100 |
| 92 | MP2 | SZ | -42.551 | -42.551 | 0 | %100 |
| 93 | MP3 | SZ | -42.551 | -42.551 | 0 | %100 |
| 94 | MP4 | SZ | -42.551 | -42.551 | 0 | %100 |
| 95 | MP5 | SZ | -42.551 | -42.551 | 0 | %100 |
| 96 | MP6 | SZ | -42.551 | -42.551 | 0 | %100 |
| 97 | MP7 | SZ | -42.551 | -42.551 | 0 | %100 |
| 98 | MP8 | SZ | -42.551 | -42.551 | 0 | %100 |
| 99 | MP9 | SZ | -42.551 | -42.551 | 0 | %100 |
| 100 | MP10 | SZ | -42.551 | -42.551 | 0 | %100 |
| 101 | MP11 | SZ | -42.551 | -42.551 | 0 | %100 |
| 102 | MP12 | SZ | -42.551 | -42.551 | 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 | -70.919 | -70.919 | 0 | %100 |
| 2 | M2 | SX | -70.919 | -70.919 | 0 | %100 |
| 3 | M3 | SX | -70.919 | -70.919 | 0 | %100 |
| 4 | M4 | SX | -42.551 | -42.551 | 0 | %100 |
| 5 | M5 | SX | -42.551 | -42.551 | 0 | %100 |
| 6 | M6 | SX | -42.551 | -42.551 | 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 | -70.919 | -70.919 | 0 | %100 |
| 15 | M15 | SX | -70.919 | -70.919 | 0 | %100 |
| 16 | M16 | SX | -42.551 | -42.551 | 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,... |
|---|---|---|---|---|---|---|
| 17 | M17 | SX | -42.551 | -42.551 | 0 | %100 |
| 18 | M18 | SX | 0 | 0 | 0 | %100 |
| 19 | M19 | SX | 0 | 0 | 0 | %100 |
| 20 | M20 | SX | -70.919 | -70.919 | 0 | %100 |
| 21 | M21 | SX | 0 | 0 | 0 | %100 |
| 22 | M22 | SX | 0 | 0 | 0 | %100 |
| 23 | M23 | SX | -70.919 | -70.919 | 0 | %100 |
| 24 | M24 | SX | -70.919 | -70.919 | 0 | %100 |
| 25 | M25 | SX | 0 | 0 | 0 | %100 |
| 26 | M26 | SX | 0 | 0 | 0 | %100 |
| 27 | M27 | SX | -70.919 | -70.919 | 0 | %100 |
| 28 | M28 | SX | -70.919 | -70.919 | 0 | %100 |
| 29 | M29 | SX | 0 | 0 | 0 | %100 |
| 30 | M30 | SX | -42.551 | -42.551 | 0 | %100 |
| 31 | M31 | SX | -70.919 | -70.919 | 0 | %100 |
| 32 | M32 | SX | -70.919 | -70.919 | 0 | %100 |
| 33 | M33 | SX | -70.919 | -70.919 | 0 | %100 |
| 34 | M34 | SX | -70.919 | -70.919 | 0 | %100 |
| 35 | M35 | SX | -70.919 | -70.919 | 0 | %100 |
| 36 | M36 | SX | -70.919 | -70.919 | 0 | %100 |
| 37 | M37 | SX | -70.919 | -70.919 | 0 | %100 |
| 38 | M38 | SX | -70.919 | -70.919 | 0 | %100 |
| 39 | M39 | SX | -70.919 | -70.919 | 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 | -70.919 | -70.919 | 0 | %100 |
| 44 | M44 | SX | 0 | 0 | 0 | %100 |
| 45 | M45 | SX | -70.919 | -70.919 | 0 | %100 |
| 46 | M46 | SX | -70.919 | -70.919 | 0 | %100 |
| 47 | M47 | SX | -70.919 | -70.919 | 0 | %100 |
| 48 | M48 | SX | 0 | 0 | 0 | %100 |
| 49 | M49 | SX | -70.919 | -70.919 | 0 | %100 |
| 50 | M50 | SX | 0 | 0 | 0 | %100 |
| 51 | M51 | SX | -70.919 | -70.919 | 0 | %100 |
| 52 | M52 | SX | -70.919 | -70.919 | 0 | %100 |
| 53 | M53 | SX | 0 | 0 | 0 | %100 |
| 54 | M54 | SX | -70.919 | -70.919 | 0 | %100 |
| 55 | M55 | SX | -70.919 | -70.919 | 0 | %100 |
| 56 | M56 | SX | -70.919 | -70.919 | 0 | %100 |
| 57 | M57 | SX | 0 | 0 | 0 | %100 |
| 58 | M58 | SX | -70.919 | -70.919 | 0 | %100 |
| 59 | M59 | SX | -70.919 | -70.919 | 0 | %100 |
| 60 | M60 | SX | -70.919 | -70.919 | 0 | %100 |
| 61 | M61 | SX | -70.919 | -70.919 | 0 | %100 |
| 62 | M62 | SX | -70.919 | -70.919 | 0 | %100 |
| 63 | M63 | SX | -70.919 | -70.919 | 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 | -70.919 | -70.919 | 0 | %100 |
| 68 | M68 | SX | 0 | 0 | 0 | %100 |
| 69 | M69 | SX | -70.919 | -70.919 | 0 | %100 |
| 70 | M70 | SX | -70.919 | -70.919 | 0 | %100 |
| 71 | M71 | SX | 0 | 0 | 0 | %100 |
| 72 | M72 | SX | 0 | 0 | 0 | %100 |
| 73 | M73 | SX | -70.919 | -70.919 | 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,... |
|---|---|---|---|---|---|---|
| 74 | M74 | SX | 0 | 0 | 0 | %100 |
| 75 | M75 | SX | -70.919 | -70.919 | 0 | %100 |
| 76 | M76 | SX | -70.919 | -70.919 | 0 | %100 |
| 77 | M77 | SX | -70.919 | -70.919 | 0 | %100 |
| 78 | M78 | SX | 0 | 0 | 0 | %100 |
| 79 | M79 | SX | -70.919 | -70.919 | 0 | %100 |
| 80 | M80 | SX | -70.919 | -70.919 | 0 | %100 |
| 81 | M81 | SX | -70.919 | -70.919 | 0 | %100 |
| 82 | M82 | SX | -70.919 | -70.919 | 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 | -70.919 | -70.919 | 0 | %100 |
| 90 | M90 | SX | -70.919 | -70.919 | 0 | %100 |
| 91 | MP1 | SX | -42.551 | -42.551 | 0 | %100 |
| 92 | MP2 | SX | -42.551 | -42.551 | 0 | %100 |
| 93 | MP3 | SX | -42.551 | -42.551 | 0 | %100 |
| 94 | MP4 | SX | -42.551 | -42.551 | 0 | %100 |
| 95 | MP5 | SX | -42.551 | -42.551 | 0 | %100 |
| 96 | MP6 | SX | -42.551 | -42.551 | 0 | %100 |
| 97 | MP7 | SX | -42.551 | -42.551 | 0 | %100 |
| 98 | MP8 | SX | -42.551 | -42.551 | 0 | %100 |
| 99 | MP9 | SX | -42.551 | -42.551 | 0 | %100 |
| 100 | MP10 | SX | -42.551 | -42.551 | 0 | %100 |
| 101 | MP11 | SX | -42.551 | -42.551 | 0 | %100 |
| 102 | MP12 | SX | -42.551 | -42.551 | 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 | -9.481 | -9.481 | 0 | %100 |
| 2 | M2 | Y | -9.481 | -9.481 | 0 | %100 |
| 3 | M3 | Y | -9.481 | -9.481 | 0 | %100 |
| 4 | M4 | Y | -6.473 | -6.473 | 0 | %100 |
| 5 | M5 | Y | -6.473 | -6.473 | 0 | %100 |
| 6 | M6 | Y | -6.473 | -6.473 | 0 | %100 |
| 7 | M7 | Y | -1.592 | -1.592 | 0 | %100 |
| 8 | M8 | Y | -1.592 | -1.592 | 0 | %100 |
| 9 | M9 | Y | -1.592 | -1.592 | 0 | %100 |
| 10 | M10 | Y | -1.592 | -1.592 | 0 | %100 |
| 11 | M11 | Y | -1.592 | -1.592 | 0 | %100 |
| 12 | M12 | Y | -1.592 | -1.592 | 0 | %100 |
| 13 | M13 | Y | -1.592 | -1.592 | 0 | %100 |
| 14 | M14 | Y | -9.989 | -9.989 | 0 | %100 |
| 15 | M15 | Y | -9.976 | -9.976 | 0 | %100 |
| 16 | M16 | Y | -4.904 | -4.904 | 0 | %100 |
| 17 | M17 | Y | -4.904 | -4.904 | 0 | %100 |
| 18 | M18 | Y | -1.592 | -1.592 | 0 | %100 |
| 19 | M19 | Y | -1.592 | -1.592 | 0 | %100 |
| 20 | M20 | Y | -9.976 | -9.976 | 0 | %100 |
| 21 | M21 | Y | -1.592 | -1.592 | 0 | %100 |
| 22 | M22 | Y | -1.592 | -1.592 | 0 | %100 |
| 23 | M23 | Y | -9.976 | -9.976 | 0 | %100 |
| 24 | M24 | Y | -9.976 | -9.976 | 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,... |
|---|---|---|---|---|---|---|
| 25 | M25 | Y | -1.592 | -1.592 | 0 | %100 |
| 26 | M26 | Y | -1.592 | -1.592 | 0 | %100 |
| 27 | M27 | Y | -9.976 | -9.976 | 0 | %100 |
| 28 | M28 | Y | -9.976 | -9.976 | 0 | %100 |
| 29 | M29 | Y | -1.592 | -1.592 | 0 | %100 |
| 30 | M30 | Y | -4.904 | -4.904 | 0 | %100 |
| 31 | M31 | Y | -9.976 | -9.976 | 0 | %100 |
| 32 | M32 | Y | -6.523 | -6.523 | 0 | %100 |
| 33 | M33 | Y | -9.976 | -9.976 | 0 | %100 |
| 34 | M34 | Y | -6.523 | -6.523 | 0 | %100 |
| 35 | M35 | Y | -6.523 | -6.523 | 0 | %100 |
| 36 | M36 | Y | -9.976 | -9.976 | 0 | %100 |
| 37 | M37 | Y | -9.989 | -9.989 | 0 | %100 |
| 38 | M38 | Y | -9.989 | -9.989 | 0 | %100 |
| 39 | M39 | Y | -9.481 | -9.481 | 0 | %100 |
| 40 | M40 | Y | -1.592 | -1.592 | 0 | %100 |
| 41 | M41 | Y | -1.592 | -1.592 | 0 | %100 |
| 42 | M42 | Y | -1.592 | -1.592 | 0 | %100 |
| 43 | M43 | Y | -9.481 | -9.481 | 0 | %100 |
| 44 | M44 | Y | -1.592 | -1.592 | 0 | %100 |
| 45 | M45 | Y | -9.989 | -9.989 | 0 | %100 |
| 46 | M46 | Y | -9.989 | -9.989 | 0 | %100 |
| 47 | M47 | Y | -9.481 | -9.481 | 0 | %100 |
| 48 | M48 | Y | -1.592 | -1.592 | 0 | %100 |
| 49 | M49 | Y | -9.989 | -9.989 | 0 | %100 |
| 50 | M50 | Y | -1.592 | -1.592 | 0 | %100 |
| 51 | M51 | Y | -9.976 | -9.976 | 0 | %100 |
| 52 | M52 | Y | -9.481 | -9.481 | 0 | %100 |
| 53 | M53 | Y | -1.592 | -1.592 | 0 | %100 |
| 54 | M54 | Y | -9.989 | -9.989 | 0 | %100 |
| 55 | M55 | Y | -6.523 | -6.523 | 0 | %100 |
| 56 | M56 | Y | -9.481 | -9.481 | 0 | %100 |
| 57 | M57 | Y | -1.592 | -1.592 | 0 | %100 |
| 58 | M58 | Y | -9.989 | -9.989 | 0 | %100 |
| 59 | M59 | Y | -9.976 | -9.976 | 0 | %100 |
| 60 | M60 | Y | -9.481 | -9.481 | 0 | %100 |
| 61 | M61 | Y | -6.523 | -6.523 | 0 | %100 |
| 62 | M62 | Y | -9.989 | -9.989 | 0 | %100 |
| 63 | M63 | Y | -5.537 | -5.537 | 0 | %100 |
| 64 | M64 | Y | -1.592 | -1.592 | 0 | %100 |
| 65 | M65 | Y | -1.592 | -1.592 | 0 | %100 |
| 66 | M66 | Y | -1.592 | -1.592 | 0 | %100 |
| 67 | M67 | Y | -5.537 | -5.537 | 0 | %100 |
| 68 | M68 | Y | -1.592 | -1.592 | 0 | %100 |
| 69 | M69 | Y | -9.989 | -9.989 | 0 | %100 |
| 70 | M70 | Y | -5.537 | -5.537 | 0 | %100 |
| 71 | M71 | Y | -1.592 | -1.592 | 0 | %100 |
| 72 | M72 | Y | -1.592 | -1.592 | 0 | %100 |
| 73 | M73 | Y | -5.537 | -5.537 | 0 | %100 |
| 74 | M74 | Y | -1.592 | -1.592 | 0 | %100 |
| 75 | M75 | Y | -9.989 | -9.989 | 0 | %100 |
| 76 | M76 | Y | -5.537 | -5.537 | 0 | %100 |
| 77 | M77 | Y | -6.523 | -6.523 | 0 | %100 |
| 78 | M78 | Y | -1.592 | -1.592 | 0 | %100 |
| 79 | M79 | Y | -9.989 | -9.989 | 0 | %100 |
| 80 | M80 | Y | -9.976 | -9.976 | 0 | %100 |
| 81 | M81 | Y | -5.537 | -5.537 | 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,... |
|---|---|---|---|---|---|---|
| 82 | M82 | Y | -6.523 | -6.523 | 0 | %100 |
| 83 | M83 | Y | -1.592 | -1.592 | 0 | %100 |
| 84 | M84 | Y | -1.592 | -1.592 | 0 | %100 |
| 85 | M85 | Y | -1.592 | -1.592 | 0 | %100 |
| 86 | M86 | Y | -1.592 | -1.592 | 0 | %100 |
| 87 | M87 | Y | -1.592 | -1.592 | 0 | %100 |
| 88 | M88 | Y | -1.592 | -1.592 | 0 | %100 |
| 89 | M89 | Y | -6.523 | -6.523 | 0 | %100 |
| 90 | M90 | Y | -6.523 | -6.523 | 0 | %100 |
| 91 | MP1 | Y | -4.904 | -4.904 | 0 | %100 |
| 92 | MP2 | Y | -4.904 | -4.904 | 0 | %100 |
| 93 | MP3 | Y | -4.904 | -4.904 | 0 | %100 |
| 94 | MP4 | Y | -4.904 | -4.904 | 0 | %100 |
| 95 | MP5 | Y | -4.904 | -4.904 | 0 | %100 |
| 96 | MP6 | Y | -4.904 | -4.904 | 0 | %100 |
| 97 | MP7 | Y | -4.904 | -4.904 | 0 | %100 |
| 98 | MP8 | Y | -4.904 | -4.904 | 0 | %100 |
| 99 | MP9 | Y | -4.904 | -4.904 | 0 | %100 |
| 100 | MP10 | Y | -4.904 | -4.904 | 0 | %100 |
| 101 | MP11 | Y | -4.904 | -4.904 | 0 | %100 |
| 102 | MP12 | Y | -4.904 | -4.904 | 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 | -10.369 | -10.369 | 0 | %100 |
| 2 | M2 | SZ | -10.369 | -10.369 | 0 | %100 |
| 3 | M3 | SZ | -10.369 | -10.369 | 0 | %100 |
| 4 | M4 | SZ | -12.206 | -12.206 | 0 | %100 |
| 5 | M5 | SZ | -12.206 | -12.206 | 0 | %100 |
| 6 | M6 | SZ | -12.206 | -12.206 | 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 | -10.189 | -10.189 | 0 | %100 |
| 15 | M15 | SZ | -10.193 | -10.193 | 0 | %100 |
| 16 | M16 | SZ | -14.489 | -14.489 | 0 | %100 |
| 17 | M17 | SZ | -14.489 | -14.489 | 0 | %100 |
| 18 | M18 | SZ | 0 | 0 | 0 | %100 |
| 19 | M19 | SZ | 0 | 0 | 0 | %100 |
| 20 | M20 | SZ | -10.193 | -10.193 | 0 | %100 |
| 21 | M21 | SZ | 0 | 0 | 0 | %100 |
| 22 | M22 | SZ | 0 | 0 | 0 | %100 |
| 23 | M23 | SZ | -10.193 | -10.193 | 0 | %100 |
| 24 | M24 | SZ | -10.193 | -10.193 | 0 | %100 |
| 25 | M25 | SZ | 0 | 0 | 0 | %100 |
| 26 | M26 | SZ | 0 | 0 | 0 | %100 |
| 27 | M27 | SZ | -10.193 | -10.193 | 0 | %100 |
| 28 | M28 | SZ | -10.193 | -10.193 | 0 | %100 |
| 29 | M29 | SZ | 0 | 0 | 0 | %100 |
| 30 | M30 | SZ | -14.489 | -14.489 | 0 | %100 |
| 31 | M31 | SZ | -10.193 | -10.193 | 0 | %100 |
| 32 | M32 | SZ | -12.158 | -12.158 | 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,... |
|---|---|---|---|---|---|---|
| 33 | M33 | SZ | -10.193 | -10.193 | 0 | %100 |
| 34 | M34 | SZ | -12.158 | -12.158 | 0 | %100 |
| 35 | M35 | SZ | -12.158 | -12.158 | 0 | %100 |
| 36 | M36 | SZ | -10.193 | -10.193 | 0 | %100 |
| 37 | M37 | SZ | -10.189 | -10.189 | 0 | %100 |
| 38 | M38 | SZ | -10.189 | -10.189 | 0 | %100 |
| 39 | M39 | SZ | -10.369 | -10.369 | 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 | -10.369 | -10.369 | 0 | %100 |
| 44 | M44 | SZ | 0 | 0 | 0 | %100 |
| 45 | M45 | SZ | -10.189 | -10.189 | 0 | %100 |
| 46 | M46 | SZ | -10.189 | -10.189 | 0 | %100 |
| 47 | M47 | SZ | -10.369 | -10.369 | 0 | %100 |
| 48 | M48 | SZ | 0 | 0 | 0 | %100 |
| 49 | M49 | SZ | -10.189 | -10.189 | 0 | %100 |
| 50 | M50 | SZ | 0 | 0 | 0 | %100 |
| 51 | M51 | SZ | -10.193 | -10.193 | 0 | %100 |
| 52 | M52 | SZ | -10.369 | -10.369 | 0 | %100 |
| 53 | M53 | SZ | 0 | 0 | 0 | %100 |
| 54 | M54 | SZ | -10.189 | -10.189 | 0 | %100 |
| 55 | M55 | SZ | -12.158 | -12.158 | 0 | %100 |
| 56 | M56 | SZ | -10.369 | -10.369 | 0 | %100 |
| 57 | M57 | SZ | 0 | 0 | 0 | %100 |
| 58 | M58 | SZ | -10.189 | -10.189 | 0 | %100 |
| 59 | M59 | SZ | -10.193 | -10.193 | 0 | %100 |
| 60 | M60 | SZ | -10.369 | -10.369 | 0 | %100 |
| 61 | M61 | SZ | -12.158 | -12.158 | 0 | %100 |
| 62 | M62 | SZ | -10.189 | -10.189 | 0 | %100 |
| 63 | M63 | SZ | -13.35 | -13.35 | 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 | -13.35 | -13.35 | 0 | %100 |
| 68 | M68 | SZ | 0 | 0 | 0 | %100 |
| 69 | M69 | SZ | -10.189 | -10.189 | 0 | %100 |
| 70 | M70 | SZ | -13.35 | -13.35 | 0 | %100 |
| 71 | M71 | SZ | 0 | 0 | 0 | %100 |
| 72 | M72 | SZ | 0 | 0 | 0 | %100 |
| 73 | M73 | SZ | -13.35 | -13.35 | 0 | %100 |
| 74 | M74 | SZ | 0 | 0 | 0 | %100 |
| 75 | M75 | SZ | -10.189 | -10.189 | 0 | %100 |
| 76 | M76 | SZ | -13.35 | -13.35 | 0 | %100 |
| 77 | M77 | SZ | -12.158 | -12.158 | 0 | %100 |
| 78 | M78 | SZ | 0 | 0 | 0 | %100 |
| 79 | M79 | SZ | -10.189 | -10.189 | 0 | %100 |
| 80 | M80 | SZ | -10.193 | -10.193 | 0 | %100 |
| 81 | M81 | SZ | -13.35 | -13.35 | 0 | %100 |
| 82 | M82 | SZ | -12.158 | -12.158 | 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 | -12.158 | -12.158 | 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,... |
|---|---|---|---|---|---|---|
| 90 | M90 | SZ | -12.158 | -12.158 | 0 | %100 |
| 91 | MP1 | SZ | -14.489 | -14.489 | 0 | %100 |
| 92 | MP2 | SZ | -14.489 | -14.489 | 0 | %100 |
| 93 | MP3 | SZ | -14.489 | -14.489 | 0 | %100 |
| 94 | MP4 | SZ | -14.489 | -14.489 | 0 | %100 |
| 95 | MP5 | SZ | -14.489 | -14.489 | 0 | %100 |
| 96 | MP6 | SZ | -14.489 | -14.489 | 0 | %100 |
| 97 | MP7 | SZ | -14.489 | -14.489 | 0 | %100 |
| 98 | MP8 | SZ | -14.489 | -14.489 | 0 | %100 |
| 99 | MP9 | SZ | -14.489 | -14.489 | 0 | %100 |
| 100 | MP10 | SZ | -14.489 | -14.489 | 0 | %100 |
| 101 | MP11 | SZ | -14.489 | -14.489 | 0 | %100 |
| 102 | MP12 | SZ | -14.489 | -14.489 | 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 | -10.369 | -10.369 | 0 | %100 |
| 2 | M2 | SX | -10.369 | -10.369 | 0 | %100 |
| 3 | M3 | SX | -10.369 | -10.369 | 0 | %100 |
| 4 | M4 | SX | -12.206 | -12.206 | 0 | %100 |
| 5 | M5 | SX | -12.206 | -12.206 | 0 | %100 |
| 6 | M6 | SX | -12.206 | -12.206 | 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 | -10.189 | -10.189 | 0 | %100 |
| 15 | M15 | SX | -10.193 | -10.193 | 0 | %100 |
| 16 | M16 | SX | -14.489 | -14.489 | 0 | %100 |
| 17 | M17 | SX | -14.489 | -14.489 | 0 | %100 |
| 18 | M18 | SX | 0 | 0 | 0 | %100 |
| 19 | M19 | SX | 0 | 0 | 0 | %100 |
| 20 | M20 | SX | -10.193 | -10.193 | 0 | %100 |
| 21 | M21 | SX | 0 | 0 | 0 | %100 |
| 22 | M22 | SX | 0 | 0 | 0 | %100 |
| 23 | M23 | SX | -10.193 | -10.193 | 0 | %100 |
| 24 | M24 | SX | -10.193 | -10.193 | 0 | %100 |
| 25 | M25 | SX | 0 | 0 | 0 | %100 |
| 26 | M26 | SX | 0 | 0 | 0 | %100 |
| 27 | M27 | SX | -10.193 | -10.193 | 0 | %100 |
| 28 | M28 | SX | -10.193 | -10.193 | 0 | %100 |
| 29 | M29 | SX | 0 | 0 | 0 | %100 |
| 30 | M30 | SX | -14.489 | -14.489 | 0 | %100 |
| 31 | M31 | SX | -10.193 | -10.193 | 0 | %100 |
| 32 | M32 | SX | -12.158 | -12.158 | 0 | %100 |
| 33 | M33 | SX | -10.193 | -10.193 | 0 | %100 |
| 34 | M34 | SX | -12.158 | -12.158 | 0 | %100 |
| 35 | M35 | SX | -12.158 | -12.158 | 0 | %100 |
| 36 | M36 | SX | -10.193 | -10.193 | 0 | %100 |
| 37 | M37 | SX | -10.189 | -10.189 | 0 | %100 |
| 38 | M38 | SX | -10.189 | -10.189 | 0 | %100 |
| 39 | M39 | SX | -10.369 | -10.369 | 0 | %100 |
| 40 | M40 | SX | 0 | 0 | 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,... |
|---|---|---|---|---|---|---|
| 41 | M41 | SX | 0 | 0 | 0 | %100 |
| 42 | M42 | SX | 0 | 0 | 0 | %100 |
| 43 | M43 | SX | -10.369 | -10.369 | 0 | %100 |
| 44 | M44 | SX | 0 | 0 | 0 | %100 |
| 45 | M45 | SX | -10.189 | -10.189 | 0 | %100 |
| 46 | M46 | SX | -10.189 | -10.189 | 0 | %100 |
| 47 | M47 | SX | -10.369 | -10.369 | 0 | %100 |
| 48 | M48 | SX | 0 | 0 | 0 | %100 |
| 49 | M49 | SX | -10.189 | -10.189 | 0 | %100 |
| 50 | M50 | SX | 0 | 0 | 0 | %100 |
| 51 | M51 | SX | -10.193 | -10.193 | 0 | %100 |
| 52 | M52 | SX | -10.369 | -10.369 | 0 | %100 |
| 53 | M53 | SX | 0 | 0 | 0 | %100 |
| 54 | M54 | SX | -10.189 | -10.189 | 0 | %100 |
| 55 | M55 | SX | -12.158 | -12.158 | 0 | %100 |
| 56 | M56 | SX | -10.369 | -10.369 | 0 | %100 |
| 57 | M57 | SX | 0 | 0 | 0 | %100 |
| 58 | M58 | SX | -10.189 | -10.189 | 0 | %100 |
| 59 | M59 | SX | -10.193 | -10.193 | 0 | %100 |
| 60 | M60 | SX | -10.369 | -10.369 | 0 | %100 |
| 61 | M61 | SX | -12.158 | -12.158 | 0 | %100 |
| 62 | M62 | SX | -10.189 | -10.189 | 0 | %100 |
| 63 | M63 | SX | -13.35 | -13.35 | 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 | -13.35 | -13.35 | 0 | %100 |
| 68 | M68 | SX | 0 | 0 | 0 | %100 |
| 69 | M69 | SX | -10.189 | -10.189 | 0 | %100 |
| 70 | M70 | SX | -13.35 | -13.35 | 0 | %100 |
| 71 | M71 | SX | 0 | 0 | 0 | %100 |
| 72 | M72 | SX | 0 | 0 | 0 | %100 |
| 73 | M73 | SX | -13.35 | -13.35 | 0 | %100 |
| 74 | M74 | SX | 0 | 0 | 0 | %100 |
| 75 | M75 | SX | -10.189 | -10.189 | 0 | %100 |
| 76 | M76 | SX | -13.35 | -13.35 | 0 | %100 |
| 77 | M77 | SX | -12.158 | -12.158 | 0 | %100 |
| 78 | M78 | SX | 0 | 0 | 0 | %100 |
| 79 | M79 | SX | -10.189 | -10.189 | 0 | %100 |
| 80 | M80 | SX | -10.193 | -10.193 | 0 | %100 |
| 81 | M81 | SX | -13.35 | -13.35 | 0 | %100 |
| 82 | M82 | SX | -12.158 | -12.158 | 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 | -12.158 | -12.158 | 0 | %100 |
| 90 | M90 | SX | -12.158 | -12.158 | 0 | %100 |
| 91 | MP1 | SX | -14.489 | -14.489 | 0 | %100 |
| 92 | MP2 | SX | -14.489 | -14.489 | 0 | %100 |
| 93 | MP3 | SX | -14.489 | -14.489 | 0 | %100 |
| 94 | MP4 | SX | -14.489 | -14.489 | 0 | %100 |
| 95 | MP5 | SX | -14.489 | -14.489 | 0 | %100 |
| 96 | MP6 | SX | -14.489 | -14.489 | 0 | %100 |
| 97 | MP7 | SX | -14.489 | -14.489 | 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,... |
|---|---|---|---|---|---|---|
| 98 | MP8 | SX | -14.489 | -14.489 | 0 | %100 |
| 99 | MP9 | SX | -14.489 | -14.489 | 0 | %100 |
| 100 | MP10 | SX | -14.489 | -14.489 | 0 | %100 |
| 101 | MP11 | SX | -14.489 | -14.489 | 0 | %100 |
| 102 | MP12 | SX | -14.489 | -14.489 | 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 | -.621 | -10.609 | 12.451 | 22.412 |
| 2 | M3 | Y | -10.609 | -13.652 | 22.412 | 32.373 |
| 3 | M3 | Y | -13.652 | -9.527 | 32.373 | 42.333 |
| 4 | M3 | Y | -9.527 | -4.759 | 42.333 | 52.294 |
| 5 | M3 | Y | -4.759 | -.621 | 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 | -.082 | -1.695 | 0 | 5.66 |
| 18 | M56 | Y | -1.695 | -3.732 | 5.66 | 11.32 |
| 19 | M56 | Y | -3.732 | -4.648 | 11.32 | 16.98 |
| 20 | M56 | Y | -4.648 | -4.316 | 16.98 | 22.64 |
| 21 | M56 | Y | -4.316 | -4.193 | 22.64 | 28.3 |
| 22 | M60 | Y | -4.184 | -4.328 | 2 | 7.66 |
| 23 | M60 | Y | -4.328 | -4.661 | 7.66 | 13.32 |
| 24 | M60 | Y | -4.661 | -3.733 | 13.32 | 18.981 |
| 25 | M60 | Y | -3.733 | -1.848 | 18.981 | 24.641 |
| 26 | M60 | Y | -1.848 | -.46 | 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 | -1.323 | -5.075 | 0 | 10.271 |
| 31 | M76 | Y | -5.075 | -8.244 | 10.271 | 20.541 |
| 32 | M76 | Y | -8.244 | -10.699 | 20.541 | 30.812 |
| 33 | M76 | Y | -10.699 | -8.458 | 30.812 | 41.083 |
| 34 | M76 | Y | -8.458 | -1.65 | 41.083 | 51.353 |
| 35 | M79 | Y | -2.96 | -2.96 | 2 | 6.338 |
| 36 | M81 | Y | -1.299 | -5.057 | 0 | 10.271 |
| 37 | M81 | Y | -5.057 | -8.244 | 10.271 | 20.541 |
| 38 | M81 | Y | -8.244 | -10.583 | 20.541 | 30.812 |
| 39 | M81 | Y | -10.583 | -8.432 | 30.812 | 41.082 |
| 40 | M81 | Y | -8.432 | -2.067 | 41.082 | 51.353 |
| 41 | M2 | Y | -.621 | -10.609 | 12.451 | 22.412 |
| 42 | M2 | Y | -10.609 | -13.652 | 22.412 | 32.373 |
| 43 | M2 | Y | -13.652 | -9.528 | 32.373 | 42.333 |
| 44 | M2 | Y | -9.528 | -4.759 | 42.333 | 52.294 |
| 45 | M2 | Y | -4.759 | -.621 | 52.294 | 62.255 |
| 46 | M5 | Y | -1.266 | -.4 | 120.187 | 123.18 |
| 47 | M5 | Y | -.4 | .033 | 123.18 | 126.173 |
| 48 | M5 | Y | .033 | .033 | 126.173 | 129.166 |

## 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,... |
|---|---|---|---|---|---|---|
| 49 | M5 | Y | .033 | .033 | 129.166 | 132.159 |
| 50 | M5 | Y | .033 | -.925 | 132.159 | 135.152 |
| 51 | M5 | Y | -.925 | -1.907 | 135.152 | 138.145 |
| 52 | M5 | Y | -1.907 | -1.956 | 138.145 | 141.138 |
| 53 | M6 | Y | -.678 | -.678 | 8.852 | 29.767 |
| 54 | M23 | Y | -1.12 | -1.12 | 0 | 2.75 |
| 55 | M38 | Y | -2.251 | -2.251 | 0 | 2.704 |
| 56 | M46 | Y | -2.255 | -2.255 | 0 | 2.704 |
| 57 | M47 | Y | -.082 | -1.695 | 0 | 5.66 |
| 58 | M47 | Y | -1.695 | -3.732 | 5.66 | 11.32 |
| 59 | M47 | Y | -3.732 | -4.648 | 11.32 | 16.98 |
| 60 | M47 | Y | -4.648 | -4.316 | 16.98 | 22.64 |
| 61 | M47 | Y | -4.316 | -4.193 | 22.64 | 28.301 |
| 62 | M51 | Y | -1.005 | -1.005 | 0 | 2.704 |
| 63 | M52 | Y | -4.184 | -4.328 | 2 | 7.66 |
| 64 | M52 | Y | -4.328 | -4.661 | 7.66 | 13.32 |
| 65 | M52 | Y | -4.661 | -3.733 | 13.32 | 18.981 |
| 66 | M52 | Y | -3.733 | -1.848 | 18.981 | 24.641 |
| 67 | M52 | Y | -1.848 | -.459 | 24.641 | 30.301 |
| 68 | M54 | Y | -2.957 | -2.957 | 0 | 4.338 |
| 69 | M58 | Y | -2.96 | -2.96 | 2 | 6.338 |
| 70 | M59 | Y | -.663 | -.663 | 0 | 2.75 |
| 71 | M70 | Y | -1.323 | -5.075 | 0 | 10.271 |
| 72 | M70 | Y | -5.075 | -8.243 | 10.271 | 20.541 |
| 73 | M70 | Y | -8.243 | -10.699 | 20.541 | 30.812 |
| 74 | M70 | Y | -10.699 | -8.458 | 30.812 | 41.083 |
| 75 | M70 | Y | -8.458 | -1.65 | 41.083 | 51.353 |
| 76 | M73 | Y | -1.299 | -5.058 | 0 | 10.271 |
| 77 | M73 | Y | -5.058 | -8.245 | 10.271 | 20.541 |
| 78 | M73 | Y | -8.245 | -10.584 | 20.541 | 30.812 |
| 79 | M73 | Y | -10.584 | -8.432 | 30.812 | 41.082 |
| 80 | M73 | Y | -8.432 | -2.067 | 41.082 | 51.353 |
| 81 | M1 | Y | -.621 | -10.609 | 12.451 | 22.412 |
| 82 | M1 | Y | -10.609 | -13.652 | 22.412 | 32.373 |
| 83 | M1 | Y | -13.652 | -9.528 | 32.373 | 42.333 |
| 84 | M1 | Y | -9.528 | -4.759 | 42.333 | 52.294 |
| 85 | M1 | Y | -4.759 | -.621 | 52.294 | 62.255 |
| 86 | M4 | Y | -1.266 | -.4 | 120.187 | 123.18 |
| 87 | M4 | Y | -.4 | .033 | 123.18 | 126.173 |
| 88 | M4 | Y | .033 | .033 | 126.173 | 129.166 |
| 89 | M4 | Y | .033 | .033 | 129.166 | 132.159 |
| 90 | M4 | Y | .033 | -.925 | 132.159 | 135.152 |
| 91 | M4 | Y | -.925 | -1.907 | 135.152 | 138.145 |
| 92 | M4 | Y | -1.907 | -1.956 | 138.145 | 141.138 |
| 93 | M5 | Y | -.678 | -.678 | 8.852 | 29.767 |
| 94 | M14 | Y | -2.251 | -2.251 | 0 | 2.704 |
| 95 | M33 | Y | -1.005 | -1.005 | 0 | 2.704 |
| 96 | M36 | Y | -.663 | -.663 | 0 | 2.75 |
| 97 | M37 | Y | -2.255 | -2.255 | 0 | 2.704 |
| 98 | M39 | Y | -.082 | -1.695 | 0 | 5.66 |
| 99 | M39 | Y | -1.695 | -3.732 | 5.66 | 11.32 |
| 100 | M39 | Y | -3.732 | -4.648 | 11.32 | 16.98 |
| 101 | M39 | Y | -4.648 | -4.316 | 16.98 | 22.64 |
| 102 | M39 | Y | -4.316 | -4.193 | 22.64 | 28.301 |
| 103 | M43 | Y | -4.184 | -4.328 | 2 | 7.66 |
| 104 | M43 | Y | -4.328 | -4.661 | 7.66 | 13.32 |
| 105 | M43 | Y | -4.661 | -3.733 | 13.32 | 18.981 |

## 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,... |
|---|---|---|---|---|---|---|
| 106 | M43 | Y | -3.733 | -1.848 | 18.981 | 24.641 |
| 107 | M43 | Y | -1.848 | -.459 | 24.641 | 30.301 |
| 108 | M45 | Y | -2.957 | -2.957 | 0 | 4.338 |
| 109 | M49 | Y | -2.96 | -2.96 | 2 | 6.338 |
| 110 | M63 | Y | -1.323 | -5.075 | 0 | 10.271 |
| 111 | M63 | Y | -5.075 | -8.243 | 10.271 | 20.541 |
| 112 | M63 | Y | -8.243 | -10.699 | 20.541 | 30.812 |
| 113 | M63 | Y | -10.699 | -8.458 | 30.812 | 41.083 |
| 114 | M63 | Y | -8.458 | -1.65 | 41.083 | 51.353 |
| 115 | M67 | Y | -1.299 | -5.058 | 0 | 10.271 |
| 116 | M67 | Y | -5.058 | -8.245 | 10.271 | 20.541 |
| 117 | M67 | Y | -8.245 | -10.584 | 20.541 | 30.812 |
| 118 | M67 | Y | -10.584 | -8.432 | 30.812 | 41.082 |
| 119 | M67 | Y | -8.432 | -2.067 | 41.082 | 51.353 |
| 120 | M80 | Y | -1.12 | -1.12 | 0 | 2.75 |

## 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 | -.664 | -11.352 | 12.451 | 22.412 |
| 2 | M3 | Y | -11.352 | -14.608 | 22.412 | 32.373 |
| 3 | M3 | Y | -14.608 | -10.194 | 32.373 | 42.333 |
| 4 | M3 | Y | -10.194 | -5.092 | 42.333 | 52.294 |
| 5 | M3 | Y | -5.092 | -.664 | 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 | -.088 | -1.814 | 0 | 5.66 |
| 18 | M56 | Y | -1.814 | -3.993 | 5.66 | 11.32 |
| 19 | M56 | Y | -3.993 | -4.973 | 11.32 | 16.98 |
| 20 | M56 | Y | -4.973 | -4.619 | 16.98 | 22.64 |
| 21 | M56 | Y | -4.619 | -4.486 | 22.64 | 28.3 |
| 22 | M60 | Y | -4.477 | -4.631 | 2 | 7.66 |
| 23 | M60 | Y | -4.631 | -4.988 | 7.66 | 13.32 |
| 24 | M60 | Y | -4.988 | -3.994 | 13.32 | 18.981 |
| 25 | M60 | Y | -3.994 | -1.977 | 18.981 | 24.641 |
| 26 | M60 | Y | -1.977 | -.492 | 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 | -1.415 | -5.431 | 0 | 10.271 |
| 31 | M76 | Y | -5.431 | -8.821 | 10.271 | 20.541 |
| 32 | M76 | Y | -8.821 | -11.448 | 20.541 | 30.812 |
| 33 | M76 | Y | -11.448 | -9.05 | 30.812 | 41.083 |
| 34 | M76 | Y | -9.05 | -1.766 | 41.083 | 51.353 |
| 35 | M79 | Y | -3.168 | -3.168 | 2 | 6.338 |
| 36 | M81 | Y | -1.39 | -5.411 | 0 | 10.271 |
| 37 | M81 | Y | -5.411 | -8.822 | 10.271 | 20.541 |
| 38 | M81 | Y | -8.822 | -11.324 | 20.541 | 30.812 |

## 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,... |
|---|---|---|---|---|---|---|
| 39 | M81 | Y | -11.324 | -9.023 | 30.812 | 41.082 |
| 40 | M81 | Y | -9.023 | -2.212 | 41.082 | 51.353 |
| 41 | M2 | Y | -.665 | -11.352 | 12.451 | 22.412 |
| 42 | M2 | Y | -11.352 | -14.608 | 22.412 | 32.373 |
| 43 | M2 | Y | -14.608 | -10.194 | 32.373 | 42.333 |
| 44 | M2 | Y | -10.194 | -5.092 | 42.333 | 52.294 |
| 45 | M2 | Y | -5.092 | -.665 | 52.294 | 62.255 |
| 46 | M5 | Y | -1.355 | -.428 | 120.187 | 123.18 |
| 47 | M5 | Y | -.428 | .035 | 123.18 | 126.173 |
| 48 | M5 | Y | .035 | .035 | 126.173 | 129.166 |
| 49 | M5 | Y | .035 | .035 | 129.166 | 132.159 |
| 50 | M5 | Y | .035 | -.99 | 132.159 | 135.152 |
| 51 | M5 | Y | -.99 | -2.041 | 135.152 | 138.145 |
| 52 | M5 | Y | -2.041 | -2.092 | 138.145 | 141.138 |
| 53 | M6 | Y | -.726 | -.726 | 8.852 | 29.767 |
| 54 | M23 | Y | -1.198 | -1.198 | 0 | 2.75 |
| 55 | M38 | Y | -2.409 | -2.409 | 0 | 2.704 |
| 56 | M46 | Y | -2.413 | -2.413 | 0 | 2.704 |
| 57 | M47 | Y | -.088 | -1.814 | 0 | 5.66 |
| 58 | M47 | Y | -1.814 | -3.993 | 5.66 | 11.32 |
| 59 | M47 | Y | -3.993 | -4.973 | 11.32 | 16.98 |
| 60 | M47 | Y | -4.973 | -4.619 | 16.98 | 22.64 |
| 61 | M47 | Y | -4.619 | -4.487 | 22.64 | 28.301 |
| 62 | M51 | Y | -1.076 | -1.076 | 0 | 2.704 |
| 63 | M52 | Y | -4.477 | -4.631 | 2 | 7.66 |
| 64 | M52 | Y | -4.631 | -4.988 | 7.66 | 13.32 |
| 65 | M52 | Y | -4.988 | -3.994 | 13.32 | 18.981 |
| 66 | M52 | Y | -3.994 | -1.977 | 18.981 | 24.641 |
| 67 | M52 | Y | -1.977 | -.492 | 24.641 | 30.301 |
| 68 | M54 | Y | -3.164 | -3.164 | 0 | 4.338 |
| 69 | M58 | Y | -3.168 | -3.168 | 2 | 6.338 |
| 70 | M59 | Y | -.71 | -.71 | 0 | 2.75 |
| 71 | M70 | Y | -1.415 | -5.431 | 0 | 10.271 |
| 72 | M70 | Y | -5.431 | -8.82 | 10.271 | 20.541 |
| 73 | M70 | Y | -8.82 | -11.447 | 20.541 | 30.812 |
| 74 | M70 | Y | -11.447 | -9.05 | 30.812 | 41.083 |
| 75 | M70 | Y | -9.05 | -1.766 | 41.083 | 51.353 |
| 76 | M73 | Y | -1.39 | -5.412 | 0 | 10.271 |
| 77 | M73 | Y | -5.412 | -8.822 | 10.271 | 20.541 |
| 78 | M73 | Y | -8.822 | -11.324 | 20.541 | 30.812 |
| 79 | M73 | Y | -11.324 | -9.023 | 30.812 | 41.082 |
| 80 | M73 | Y | -9.023 | -2.212 | 41.082 | 51.353 |
| 81 | M1 | Y | -.665 | -11.352 | 12.451 | 22.412 |
| 82 | M1 | Y | -11.352 | -14.608 | 22.412 | 32.373 |
| 83 | M1 | Y | -14.608 | -10.194 | 32.373 | 42.333 |
| 84 | M1 | Y | -10.194 | -5.092 | 42.333 | 52.294 |
| 85 | M1 | Y | -5.092 | -.665 | 52.294 | 62.255 |
| 86 | M4 | Y | -1.355 | -.428 | 120.187 | 123.18 |
| 87 | M4 | Y | -.428 | .035 | 123.18 | 126.173 |
| 88 | M4 | Y | .035 | .035 | 126.173 | 129.166 |
| 89 | M4 | Y | .035 | .035 | 129.166 | 132.159 |
| 90 | M4 | Y | .035 | -.99 | 132.159 | 135.152 |
| 91 | M4 | Y | -.99 | -2.041 | 135.152 | 138.145 |
| 92 | M4 | Y | -2.041 | -2.092 | 138.145 | 141.138 |
| 93 | M5 | Y | -.726 | -.726 | 8.852 | 29.767 |
| 94 | M14 | Y | -2.409 | -2.409 | 0 | 2.704 |
| 95 | M33 | Y | -1.076 | -1.076 | 0 | 2.704 |

## 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,... |
|---|---|---|---|---|---|---|
| 96 | M36 | Y | -.71 | -.71 | 0 | 2.75 |
| 97 | M37 | Y | -2.413 | -2.413 | 0 | 2.704 |
| 98 | M39 | Y | -.088 | -1.814 | 0 | 5.66 |
| 99 | M39 | Y | -1.814 | -3.993 | 5.66 | 11.32 |
| 100 | M39 | Y | -3.993 | -4.973 | 11.32 | 16.98 |
| 101 | M39 | Y | -4.973 | -4.619 | 16.98 | 22.64 |
| 102 | M39 | Y | -4.619 | -4.487 | 22.64 | 28.301 |
| 103 | M43 | Y | -4.477 | -4.631 | 2 | 7.66 |
| 104 | M43 | Y | -4.631 | -4.988 | 7.66 | 13.32 |
| 105 | M43 | Y | -4.988 | -3.994 | 13.32 | 18.981 |
| 106 | M43 | Y | -3.994 | -1.977 | 18.981 | 24.641 |
| 107 | M43 | Y | -1.977 | -.492 | 24.641 | 30.301 |
| 108 | M45 | Y | -3.164 | -3.164 | 0 | 4.338 |
| 109 | M49 | Y | -3.168 | -3.168 | 2 | 6.338 |
| 110 | M63 | Y | -1.415 | -5.431 | 0 | 10.271 |
| 111 | M63 | Y | -5.431 | -8.82 | 10.271 | 20.541 |
| 112 | M63 | Y | -8.82 | -11.447 | 20.541 | 30.812 |
| 113 | M63 | Y | -11.447 | -9.05 | 30.812 | 41.083 |
| 114 | M63 | Y | -9.05 | -1.766 | 41.083 | 51.353 |
| 115 | M67 | Y | -1.39 | -5.412 | 0 | 10.271 |
| 116 | M67 | Y | -5.412 | -8.822 | 10.271 | 20.541 |
| 117 | M67 | Y | -8.822 | -11.324 | 20.541 | 30.812 |
| 118 | M67 | Y | -11.324 | -9.023 | 30.812 | 41.082 |
| 119 | M67 | Y | -9.023 | -2.212 | 41.082 | 51.353 |
| 120 | M80 | Y | -1.198 | -1.198 | 0 | 2.75 |

## Member Area Loads (BLC 1 : Self Weight)

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

## Member Area Loads (BLC 16 : Ice Weight)

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

## Plate Surface Loads

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

INFINIGY

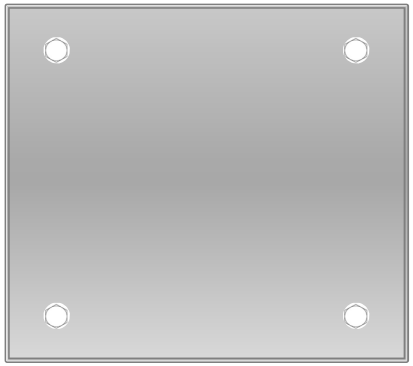
FROM ZERO TO INFINIGY

the solutions are endless

**Bolt Calculation Tool, V1.0**

| PROJECT DATA | |
|---|---|
| Site Name: | Bristol |
| Site Number: | CTL01055 |
| Job Code: | 1106-A0001-B |

| APPLIED LOADS | | |
|---|---|---|
| Bolt Tension: | 1584.97 | lbs |
| Bolt Shear: | 150.60 | 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 | 7.8% |
| Shear Usage | 1.2% |
| Combined Shear and Tension | 0.6% |
| Result | Pass |