

October 16, 2023

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification**
370 West Main Street, Stamford, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains a wireless telecommunications facility at the above-referenced address (the “Property”). Cellco’s facility consists of antennas and remote radio heads attached to a roof-top tower. Equipment associated with the facility is located inside the building. The tower was approved by the City of Stamford (“City”). Cellco’s representatives reached out to City officials in an effort to obtain copies of any approvals issued for the roof-top tower, however, no copies were available. Cellco’s use of the tower was approved by the Siting Council (“Council”) in May of 1995. A copy of the Town’s tower approval and the Council’s tower share approval letter and staff report are included in Attachment 1.

Cellco’s proposed modification involves the installation of four (4) interference mitigation filters (“Filters”) on its existing antenna mounting assembly. The Filter specification sheet is included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Stamford’s Chief Elected Official and Land Use Officer.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not result in an increase in the height of the

27870214-v1

Melanie A. Bachman, Esq.

October 16, 2023

Page 2

existing tower. The Filters will be installed on Cellco's existing antenna mounting assembly.

2. The proposed modifications will not involve any change to ground-mounted equipment and therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new Filters will not result in a change to radio frequency (RF) emissions from the facility. Therefore, no new RF emissions information is included in this filing.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, foundation, antenna mounting assembly can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 3.

A copy of the parcel map and Property owner information is included in Attachment 4. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 5.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

Caroline Simmons, Mayor

Ralph Blessing, Land Use Bureau Chief

NSP II Stamford DST, Property Owner

Alex Tyurin, Verizon Wireless

ATTACHMENT 1



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051-4225
Phone: 827-7682

June 2, 1995

David S. Malko, P.E.
Metro Mobile CTS of New Haven, Inc.
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

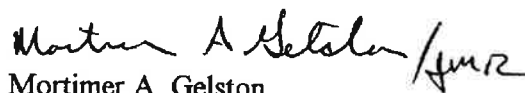
RE: Metro Mobile CTS of Fairfield County, Inc., request for an order to approve tower sharing at an existing telecommunications facility located on the roof of a building at 370 West Main Street, Stamford, Connecticut.

Dear Mr. Malko:

At a meeting held May 31, 1995, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with Public Act 94-242, the Council has ordered the shared use of this tower to avoid the unnecessary proliferation of tower structures.

The proposed shared use is to be implemented as specified in your letters dated April 12, 1995 and May 24, 1995. Please notify the Council when all work is complete. A copy of the staff report on this request is enclosed for your information.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/RKE/ss

Enclosure (1)

cc: Honorable Stanley J. Esposito, Mayor, City of Stamford



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051-4225
Phone: 827-7682

Metro Mobile CTS
Request for Order to Approve Tower Sharing
Stamford, Connecticut
May 31, 1995

On April 12, 1995, Metro Mobile CTS of Fairfield County (Metro Mobile) submitted to the Connecticut Siting Council (Council) a request for the Council to order shared use of an existing tower pursuant to General Statutes § 16-50aa which states "An owner of a facility which agrees to the shared use of the facility pursuant to this section may request in writing that the Council approve the proposed shared use of the facility. If the Council finds that the proposed shared use of the facility is technically, legally, environmentally, and economically feasible and meets public safety concerns, the Council shall issue an order approving such shared use."

The proposed site is located on the roof of a building at 370 West Main Street, Stamford, Connecticut owned and operated by the Westside Storage Company. A 40-foot self-supporting lattice tower presently supports several paging antennas and two inactive microwave dishes.

Metro Mobile would install 12 fifty-two inch antennas at the 38-foot level of the existing tower. The two microwave dishes would be removed.

Metro Mobile would locate its radio equipment within a 19.3-foot by 19.3-foot room on the fifth floor of the building.

The addition of the cellular antennas to the existing tower would not increase the tower's height, extend the boundaries of the site, increase noise levels at the site boundaries by six decibels or more or increase the total radio frequency electromagnetic radiation power density to or above the State standard (77.6% of the State standard) pursuant to General Statutes § 22a-162. In addition, there is no expectation that this facility would cause local radio interference. No waste or sanitary facilities would be required, and no air pollutants would be emitted.

On May 24, 1995, Robert K. Erling of the Council staff met Jennifer Young Gaudet of Metro Mobile on a field review of this site. Metro Mobile conducted an engineering analysis of the existing tower. The analysis indicated that three additional Rohn heavy duty gate-boom frames must be added to support the proposed new antennas, by replacing the bottom-most braces. This replacement would be made at the time Metro Mobile adds its antennas. The engineering report indicated the proposed modified tower would be adequate to support all of the modified existing and proposed new antennas, while meeting the requirements of EIA/TIA-222E, the Structural Standards for Steel Antenna Towers and Antenna Supporting Structures.

Metro Mobile CTS of Fairfield County
Request for Order to Approve Tower Sharing
Stamford, Connecticut
May 31, 1995
Page 2

Metro Mobile contends the addition of cellular antennas to the existing tower would not increase the tower's height, extend the boundaries of the site, increase noise levels at the site's boundary by six decibels or more or increase the total radio frequency electromagnetic radiation to or above the State standard pursuant to General Statutes § 22a-162. Metro Mobile also contends the sharing of this tower is technically, legally, environmentally, and economically feasible and meets public safety concerns. Therefore, Metro Mobile requests the Council approve the proposed shared use of the facility and issue an order approving such shared use under General Statutes §§ 16-50aa.

Robert K. Erling
Senior Siting Analyst

RKE/ss

ATTACHMENT 2

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available



TECHNICAL SPECIFICATIONS

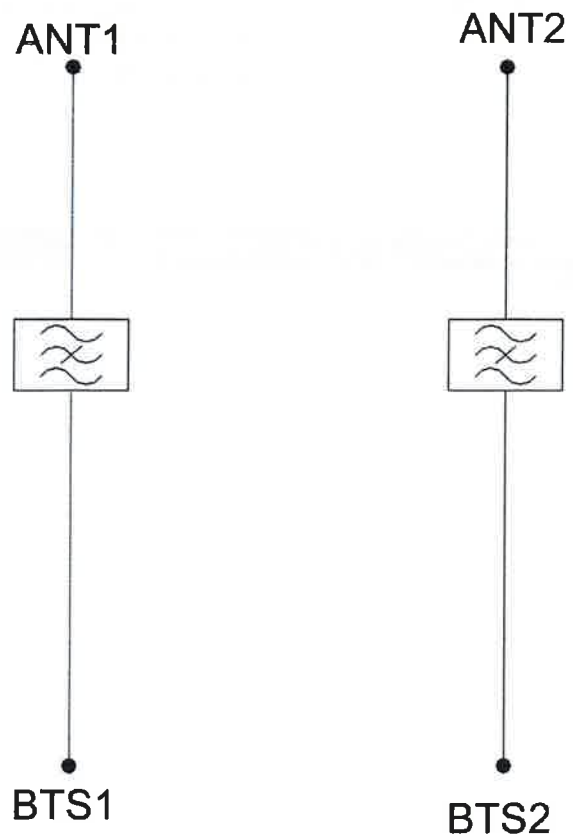
BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	
ELECTRICAL		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
DC / AISG		
Passband	0 - 13MHz	
Insertion loss	0.3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25.461	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m 8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE	

MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.

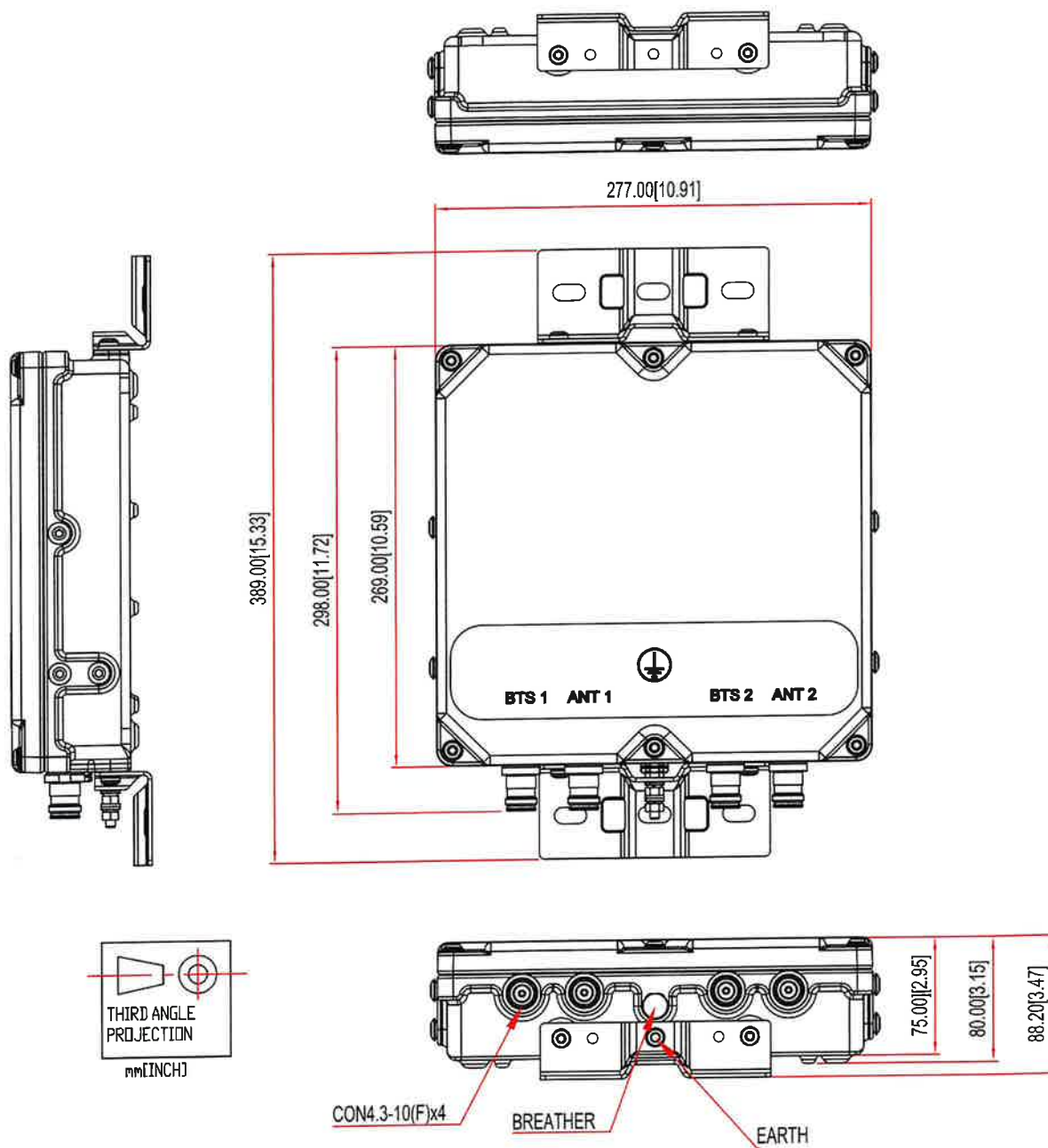
ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6030-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

Structural Analysis Report

Location Code: 468191
Site Name: Stamford W CT
FUZE Project ID: 17123701
Project Name: RF Filter
Address: 370 West Main St.
Stamford, CT 06902

Client:

verizon✓

**20 ALEXANDER DRIVE
WALLINGFORD, CT 06492**

Date: 08/11/2023



Scope of Work:

Centerline Communications was authorized by Verizon Wireless to perform an analysis of the existing 40 ft. self-support tower to determine its capacity to support the existing and proposed equipment listed in this report. The existing tower is located on a 54' rooftop. The rooftop is not considered in this analysis.

Existing & Proposed Equipment:

Carrier	Mounting Level (ft)	Center Line Elevation (ft)	Number of Appurtenances	Antenna Manufacturer	Appurtenance Model	Feed Lines (in)
-	94.0	103.5	1	-	2.5" OD x 16' Omni	-
-	94.0	96.0	1	-	3' Yagi	(1) 1/2
-	93.0	93.0	1	-	3' Yagi	(1) 1/2
-	91.0	91.0	1	-	13' Wireless Frame	(1) 1/2
		91.0	3	-	2.375" OD x 6' Mount Pipe	
-	90.0	90.0	1	-	2.375" OD x 12' Mount Pipe	-
-	87.5	87.5	1	-	3' Yagi	(1) 1/2
-	85.0	87.0	1	-	GPS	(1) 1/2
		85.5	1	-	PR-850	
		85.5	1	-	4' Standoff Mont	
-	81.5	81.5	3	-	XXDWMM-12.5-65-8T-RRH w/ RT4401-48A	(2) Hybrid (6) 7/8
		81.5	3	-	MT6407-77A	
		81.5	6	-	JAHH-65B-R3B	
		81.5	3	-	VZ-AT1K01	
		81.5	3	-	CBRS RT4401-48A	
		81.5	3	-	CBC78T-DS-43-2X	
		81.5	3	-	B2/B66A RRH-BR049	
		81.5	3	-	B5/B13 RRH-BR04C	
		81.5	2	-	RRFDC-3315-PF-48	
		81.5	4	Kaelus	KA-6030	
-	67.0	67.0	1	-	Sector Mount	(1) 1/2
		67.0	1	-	2.375" OD x 6' Side Arm Pipe	

Note: Proposed equipment shown in **bold**.

Design Criteria:**Design Codes:**

2022 Connecticut State Building Code

2021 International Building Code

ASCE 7-16

TIA-222-H Standards

Basic Design Wind Speed (V)	120 mph
Wind Speed with Ice	50 mph
Ice Thickness	1.00 in.
Exposure Category	C
Topographic Category	1
Risk Category	II
Site Soil Class (Assumed)	D – Stiff Soil
Seismic Design Category	B
Spectral Response Acceleration Parameter at a Short Periods, S_s	0.261 g
Spectral Response Acceleration Parameter at a Period of 1 Second, S_1	0.058 g
Short Period Site Coefficient, F_a	1.60
Long Period Site Coefficient, F_v	2.40

***Refer to calculations for additional design criteria.**

Conclusion:

Tower Section Capacity (Summary)

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
T1	94 - 74	Leg	ROHN 2.5 STD	1	-9626.21	45449.30	21.2	Pass
T2	74 - 54	Leg	ROHN 2.5 STD	25	-25189.90	45483.80	55.4	Pass
T1	94 - 74	Diagonal	L1 3/4x1 3/4x1/4	11	-3129.71	5128.15	61.0	Pass
T2	74 - 54	Diagonal	L2x2x1/4	32	-3199.35	6379.25	50.2	Pass
T1	94 - 74	Top Girt	L3x3x1/4	4	-445.50	14479.00	3.1	Pass
							Summary	
							Leg (T2)	55.4 Pass
							Diagonal (T1)	61.0 Pass
							Top Girt (T1)	3.1 Pass
							Bolt Checks	39.4 Pass
							Anchor Rods	23.5 Pass
							RATING =	61.0 Pass

Structure Rating (Max From All Components) = 61.0%

Foundation Capacity (Summary)

Component	Previous Analysis	Modified Analysis*	Current Analysis	% Capacity	Pass Fail
Compression (k)	25	33.75	27.82	82.4	Pass
Tension (k)	19	25.65	20.66	80.5	Pass
Shear (k)	10	13.5	9.95	73.7	Pass
Moment (k-ft)	238	321.3	261.5	81.4	Pass

*The original tower design was completed in accordance with the TIA/EIA-222-F Standard. Per section 1.5.1 of the TIA-222-G standard, the reactions from the original design shall be multiplied by 1.35 for comparison to the reactions from this analysis.

Foundation Rating (Max From All Components) = 82.4%

Recommendations:

The existing tower and its foundation have sufficient capacity to support the existing and proposed loading for the final loading configuration.

Reference Documents:

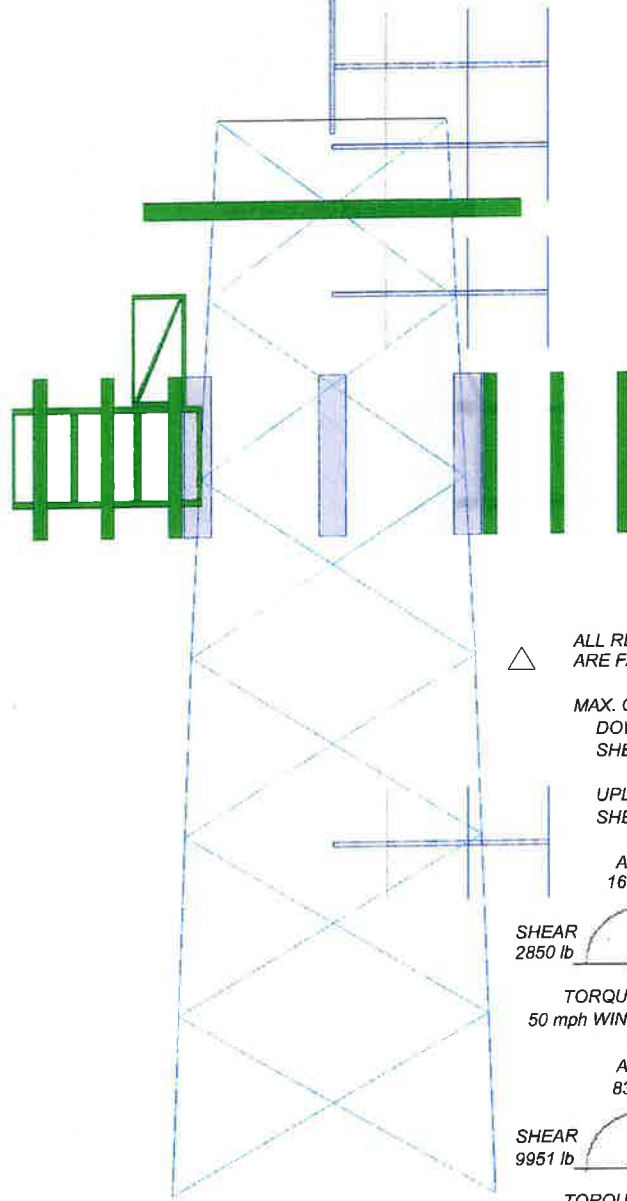
- Structural Analysis Report by Paul J. Ford, dated December 7, 2021
- Construction Drawings by On Air Engineering dated December 4, 2021

Assumptions and Limitations:

- The tower and structures were built and maintained with the manufacturer's specifications.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in this report and the referenced drawings.
- Existing appurtenance information obtained from the Structural Analysis Report by Paul J. Ford, dated December 7, 2021 and the Construction Drawings by On Air Engineering dated December 4, 2021.

Design Calculations

Section	T1	ROHN 2.5 STD	A572-50	A36	10.563	6 @ 6.66667	8.563	94.0 ft
Legs								
Leg Grade								
Diagonals								
Diagonal Grade								
Top Girts								
Face Width (ft)	12.063							
# Panels @ (ft)								
Weight (lb)	2157.6							
								74.0 ft
								54.0 ft



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 61%

ALL REACTIONS
 ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 27823 lb
 SHEAR: 5251 lb

UPLIFT: -20658 lb
 SHEAR: 4794 lb

AXIAL
 16361 lb

SHEAR
 2850 lb

MOMENT
 93654 lb-ft

TORQUE 2232 lb-ft
 50 mph WIND - 1.000 in ICE

AXIAL
 8376 lb

SHEAR
 9951 lb

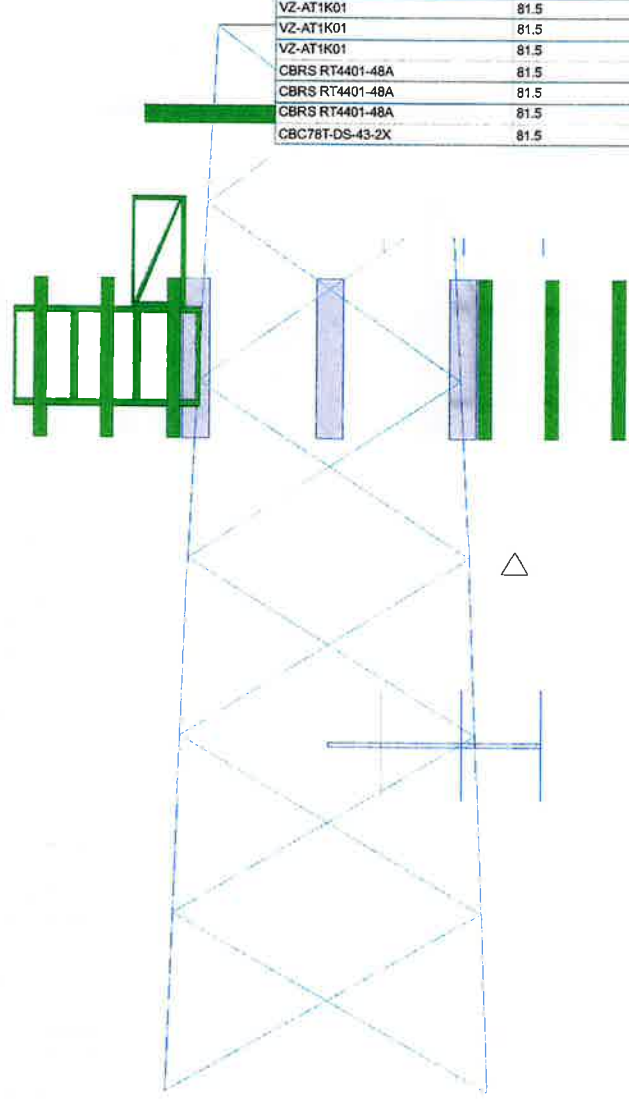
MOMENT
 261491 lb-ft

TORQUE 7103 lb-ft
 REACTIONS - 120 mph WIND

Centerline Communications
 750 West Center Street, Suite 301
 West Bridgewater, MA 02379
 Phone: 781-713-4725
 FAX:

Job:	Stamford W CT		
Project:	RF Filter Add		
Client:	Verizon Wireless	Drawn by:	Arielle Novak
Code:	TIA-222-H	Date:	08/11/23
Path:		App'd:	Scale: NTS
		Dwg No.	E-1

Section	T1	T2
Legs	ROHN 2.5 STD	
Leg Grade	A572-50	
Diagonals	L1 3/4x1 3/4x1/4	L2x2x1/4
Diagonal Grade	A36	N.A.
Top Chits	L3x3x1/4	
Face Width (ft)	10.563	102.8
# Panels @ (ft)	6 @ 6.66667	
Weight (lb)	2157.5	



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
2.5" OD x 16' Omni	94	CBC78T-DS-43-2X	81.5
3' Yagi	94	CBC78T-DS-43-2X	81.5
3' Yagi	93	B2/B66A RRH-BR049	81.5
13' Wireless Frame	91	B2/B66A RRH-BR049	81.5
(3) 2.375" OD x 6' Mount Pipe	91	B2/B66A RRH-BR049	81.5
2.375" OD x 12' Mount Pipe	90	B5/B13 RRH-BR04C	81.5
3' Yagi	87.5	B5/B13 RRH-BR04C	81.5
4' Standoff Mont	85.5	B5/B13 RRH-BR04C	81.5
GPS	85.5	Sector Mount	81.5
PR-850	85.5	(2) L2.5x2.5x1/4 x 6.5' Horiz Mount Angle	81.5
RRFDC-3315-PF-48	81.5	(2) L2.5x2.5x1/4 x 6.5' Horiz Mount Angle	81.5
RRFDC-3315-PF-48	81.5	(2) L2.5x2.5x1/4 x 6.5' Horiz Mount Angle	81.5
MT6407-77A	81.5	XXDWMM-12.5-65-8T-RRH w/ RT4401-48A w/ MP	81.5
MT6407-77A	81.5	XXDWMM-12.5-65-8T-RRH w/ RT4401-48A w/ MP	81.5
MT6407-77A	81.5	XXDWMM-12.5-65-8T-RRH w/ RT4401-48A w/ MP	81.5
(2) JAHH-65B-R3B	81.5	(2) Kaelus KA-6030	81.5
(2) JAHH-65B-R3B	81.5	(2) Kaelus KA-6030	81.5
(2) JAHH-65B-R3B	81.5	3' Yagi	67
VZ-AT1K01	81.5	2.375" OD x 6' Side Arm Pipe	67
VZ-AT1K01	81.5		
VZ-AT1K01	81.5		
CBRS RT4401-48A	81.5		
CBRS RT4401-48A	81.5		
CBRS RT4401-48A	81.5		
CBC78T-DS-43-2X	81.5		

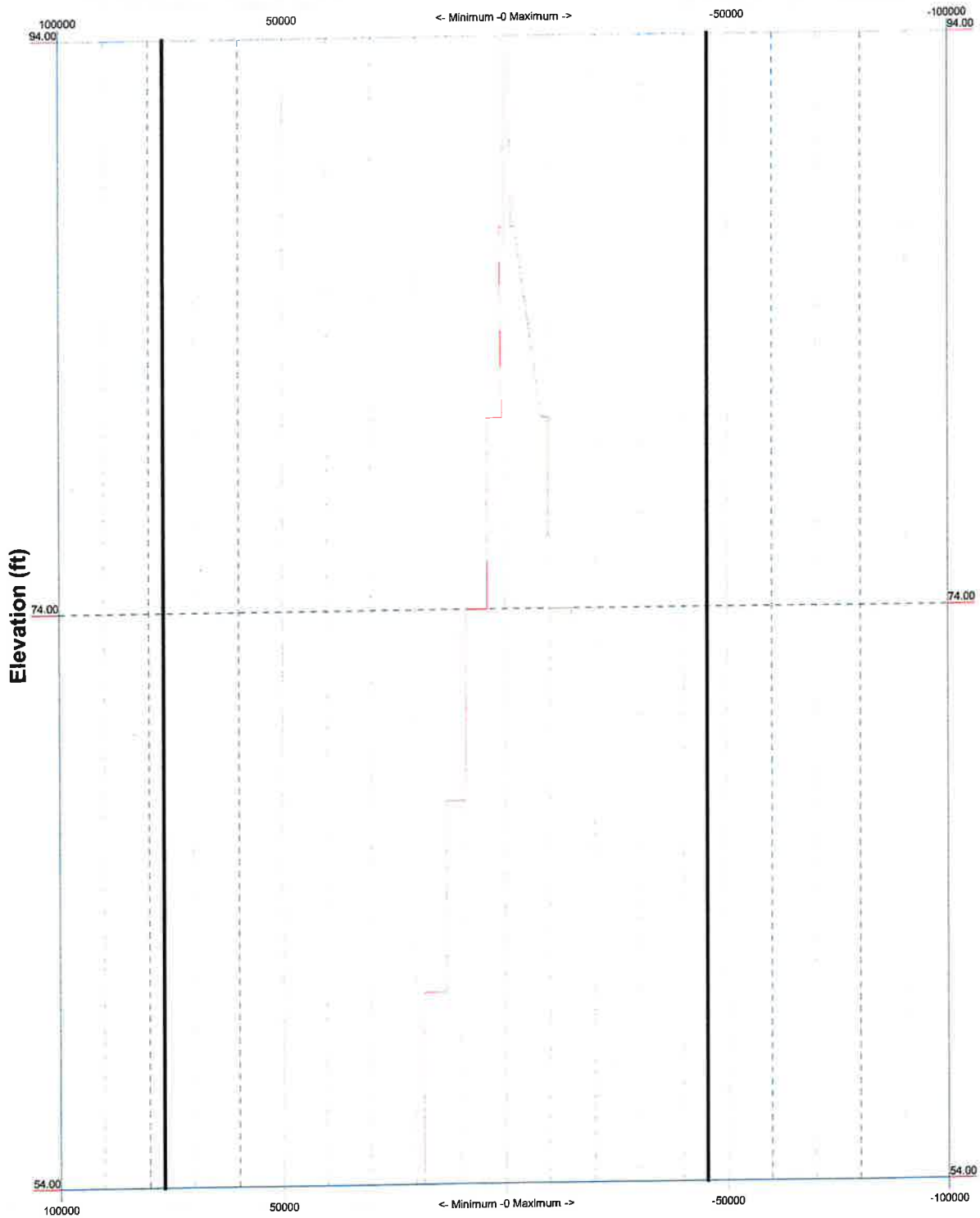
Centerline Communications
750 West Center Street, Suite 301
West Bridgewater, MA 02379
Phone: 781-713-4725
FAX:

Job: **Stamford W CT**
Project: **RF Filter Add**
Client: Verizon Wireless
Code: TIA-222-H
Path:

Drawn by: Arielle Novak
Date: 08/11/23
Scale: NTS
Dwg No. **E-1**

TIA-222-H - 120 mph/50 mph 1.000 in Ice Exposure C

Leg Capacity ——— Leg Compression (lb)



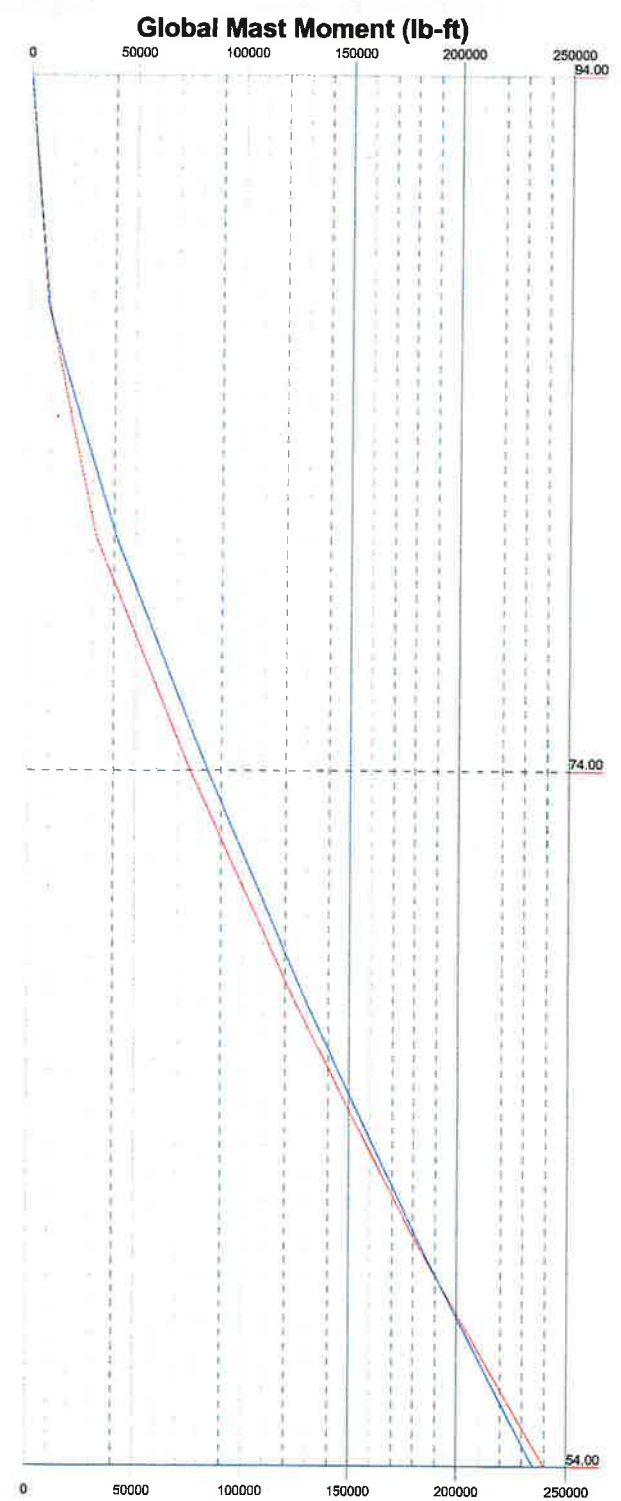
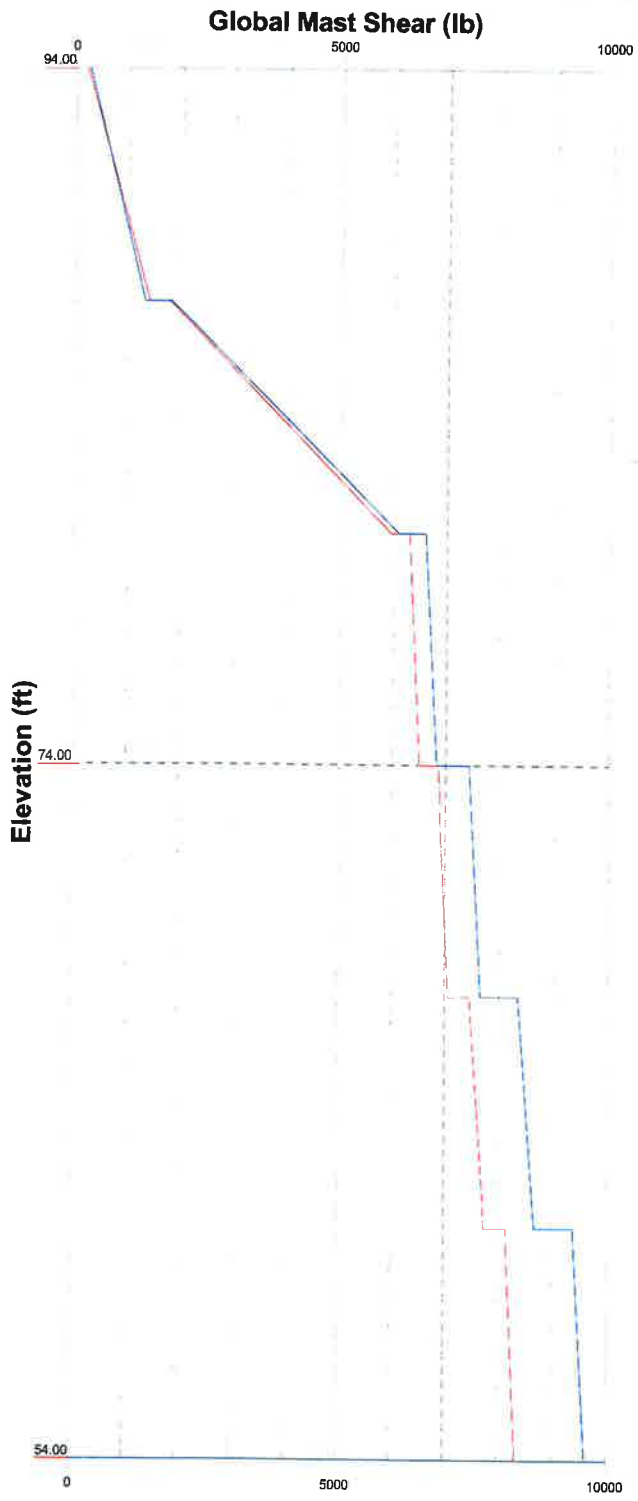
Centerline Communications		Job: Stamford W CT	
750 West Center Street, Suite 301		Project: RF Filter Add	
West Bridgewater, MA 02379	Client: Verizon Wireless	Drawn by: Arielle Novak	App'd:
Phone: 781-713-4725	Code: TIA-222-H	Date: 08/11/23	Scale: NTS
FAX:	Path:	Dwg No. E-3	

TIA-222-H - 120 mph/50 mph 1.000 in Ice Exposure C

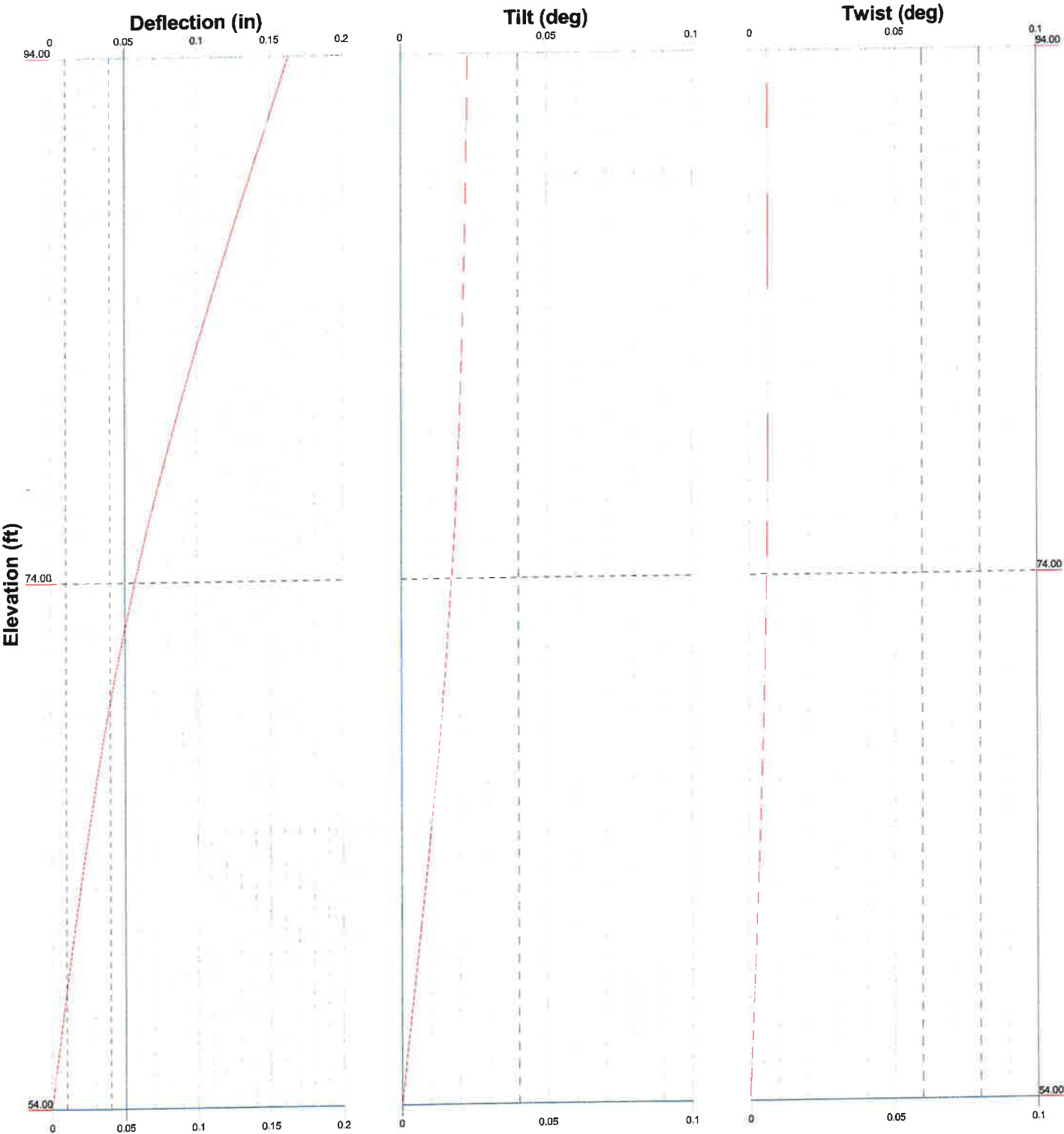
Maximum Values

Vx Vz

Mx Mz



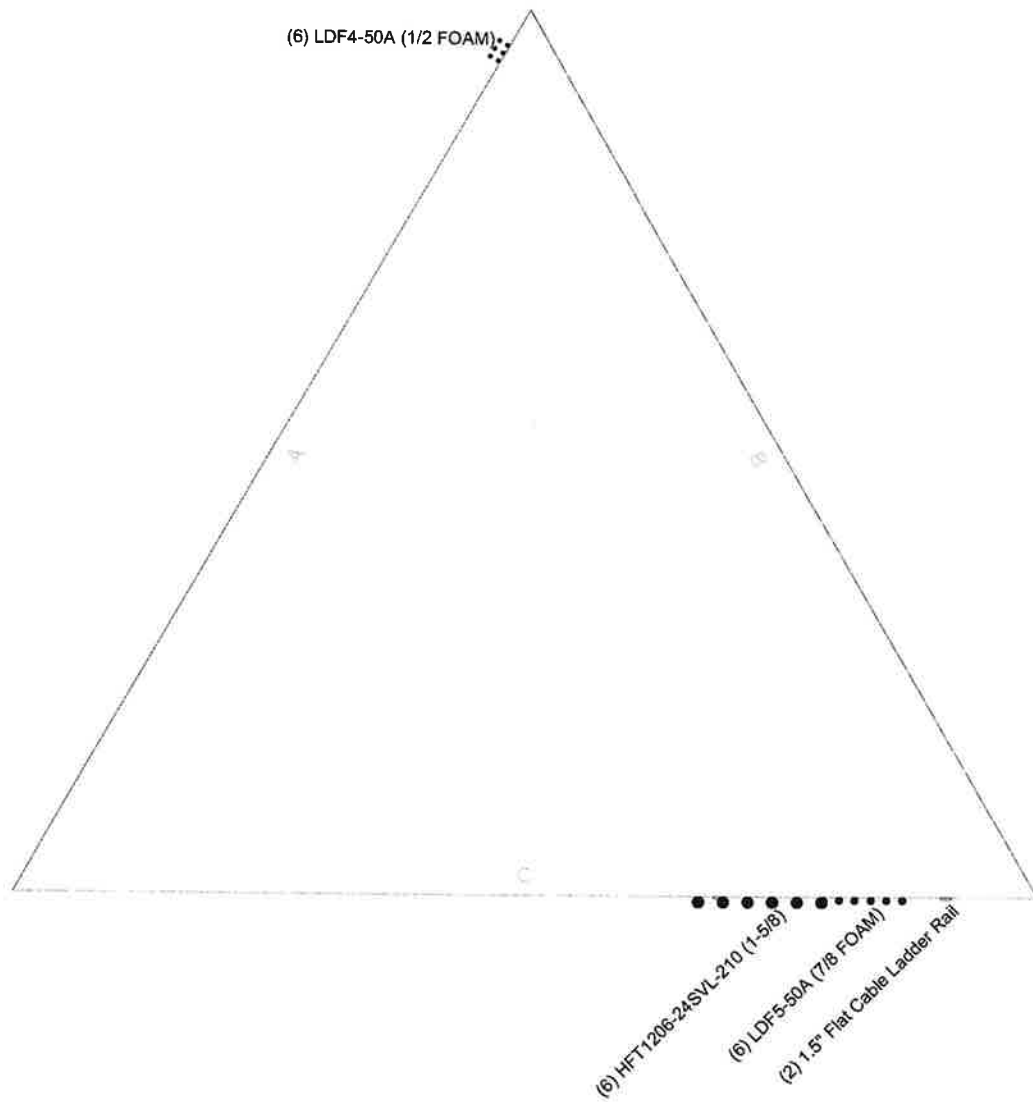
Centerline Communications		Stamford W CT	
750 West Center Street, Suite 301			
West Bridgewater, MA 02379			
Phone: 781-713-4725			
FAX:			
Project: RF Filter Add	Client: Verizon Wireless	Drawn by: Arielle Novak	App'd:
Code: TIA-222-H	Date: 08/11/23	Scale: NTS	
Path:		Dwg No. E-4	



Centerline Communications		Job: Stamford W CT	
750 West Center Street, Suite 301		Project: RF Filter Add	
West Bridgewater, MA 02379		Client: Verizon Wireless	App'd:
Phone: 781-713-4725		Code: TIA-222-H	Scale: NTS
FAX:		Date: 08/11/23	Dwg No. E-5
		Path:	

Feed Line Plan

Round Flat App In Face App Out Face



Centerline Communications		Job: Stamford W CT	
750 West Center Street, Suite 301		Project: RF Filter Add	
West Bridgewater, MA 02379		Client: Verizon Wireless	Drawn by: Arielle Novak
Phone: 781-713-4725		Code: TIA-222-H	Date: 08/11/23
FAX:		Path:	Scale: NTS
			Dwg No. E-7

Stress Distribution Chart

54' - 94'

> 100% 90%-100% 75%-90% 50%-75% < 50% Overstress

Face A

Face B

Face C

Elevation (ft)

94.00

74.00

54.00

94.00

74.00

54.00

Centerline Communications

750 West Center Street, Suite 301

West Bridgewater, MA 02379

Phone: 781-713-4725

FAX:

Job: Stamford W CT

Project: RF Filter Add

Client: Verizon Wireless

Drawn by: Anelle Novak

App'd:

Code: TIA-222-H

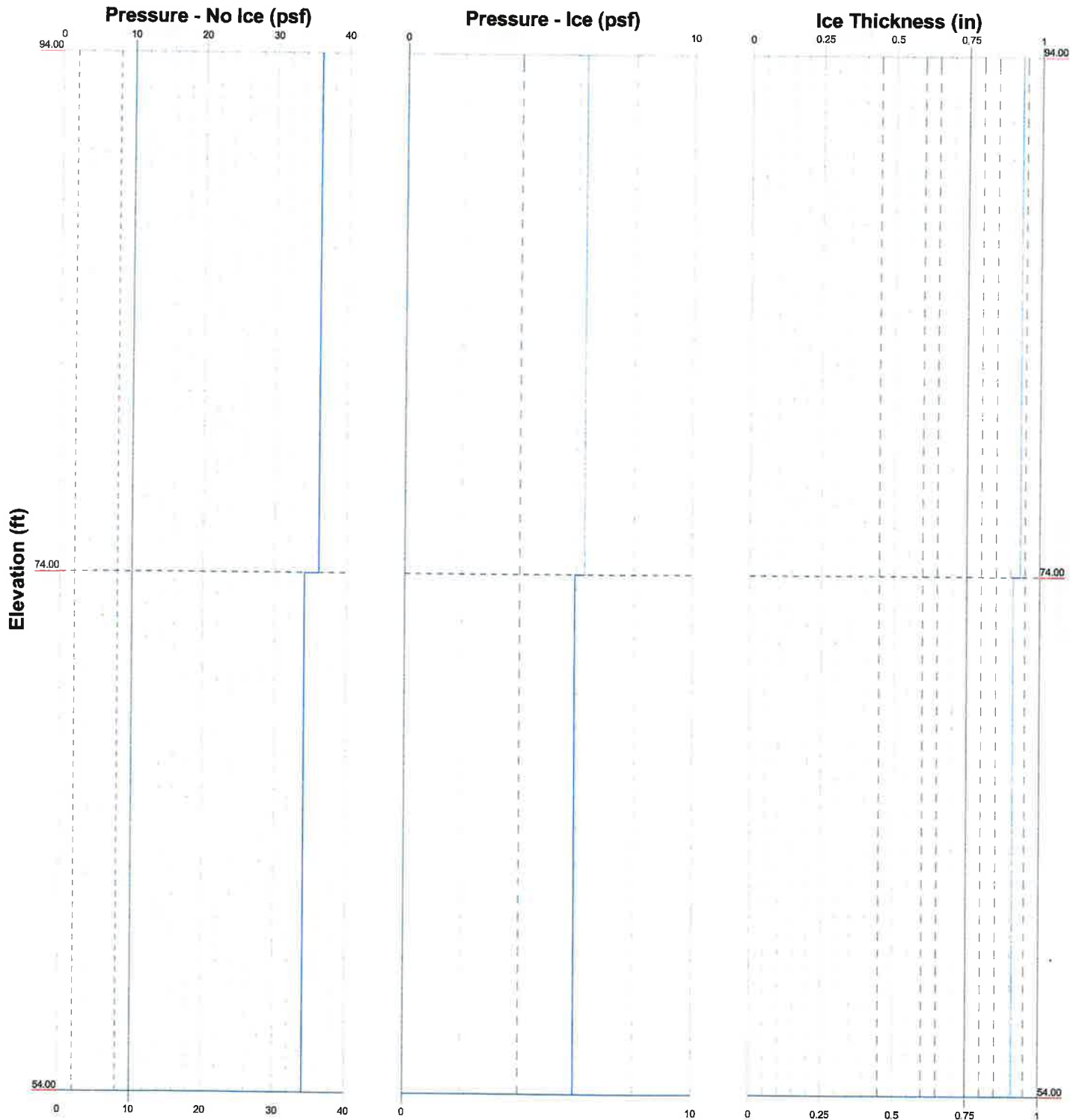
Date: 08/11/23

Scale: NTS

Path:

Dwg No. E-8

Wind Pressures and Ice Thickness
TIA-222-H - 120 mph/50 mph 1.000 in Ice Exposure C



Centerline Communications		Job: Stamford W CT	
750 West Center Street, Suite 301		Project: RF Filter Add	
West Bridgewater, MA 02379		Client: Verizon Wireless	Drawn by: Arielle Novak
Phone: 781-713-4725		Code: TIA-222-H	Date: 08/11/23
FAX:		Path:	Scale: NTS
		Dwg No. E-9	

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page 1 of 17
	Project	RF Filter Add	Date 07:46:05 08/11/23
	Client	Verizon Wireless	Designed by Arielle Novak

Tower Input Data

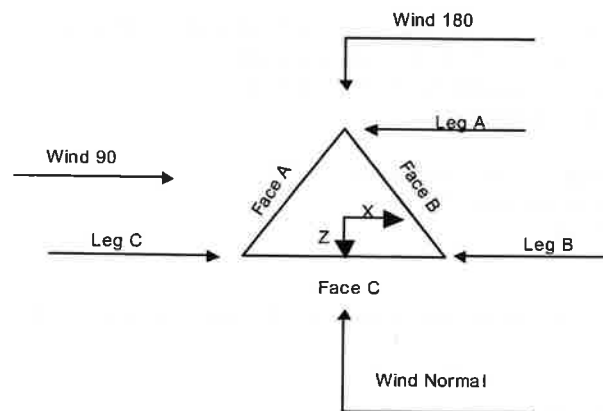
The main tower is a 3x free standing tower with an overall height of 94.00 ft above the ground line.
The base of the tower is set at an elevation of 54.00 ft above the ground line.
The face width of the tower is 8.563 ft at the top and 12.063 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

- Tower is located in Fairfield County, Connecticut.
- Tower base elevation above sea level: 157.00 ft.
- Basic wind speed of 120 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in tower member design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification ✓ Use Code Stress Ratios Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section ✓ Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned ✓ Assume Rigid Index Plate ✓ Use Clear Spans For Wind Area ✓ Use Clear Spans For KL/r Retension Guys To Initial Tension ✓ Bypass Mast Stability Checks ✓ Use Azimuth Dish Coefficients ✓ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination ✓ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | <ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules ✓ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA ✓ SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation ✓ Consider Feed Line Torque ✓ Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption Poles Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|--|---|--|

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	2 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	94.00-74.00			8.563	1	20.00
T2	74.00-54.00			10.563	1	20.00

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	94.00-74.00	6.667	X Brace	No	No	0.000	0.000
T2	74.00-54.00	6.667	X Brace	No	No	0.000	0.000

Tower Section Geometry (cont'd)

Tower Elevation	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
ft						

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	3 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 94.00-74.00	Pipe	ROHN 2.5 STD	A572-50 (50 ksi)	Single Angle	L1 3/4x1 3/4x1/4	A36 (36 ksi)
T2 74.00-54.00	Pipe	ROHN 2.5 STD	A572-50 (50 ksi)	Single Angle	L2x2x1/4	A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 94.00-74.00	Single Angle	L3x3x1/4	A36 (36 ksi)	Flat Bar		A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T1 94.00-74.00	0.00	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T2 74.00-54.00	0.00	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000

Tower Section Geometry (cont'd)

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors ¹							
			Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.	Inner Brace
				X Y	X Y	X Y	X Y	X Y	X Y	X Y
T1 94.00-74.00	Yes	No	1	1	1	1	1	1	1	1
T2 74.00-54.00	Yes	No	1	1	1	1	1	1	1	1

¹Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Section Geometry (cont'd)

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	4 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 94.00-74.00	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T2 74.00-54.00	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 94.00-74.00	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T2 74.00-54.00	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 94.00-74.00	Flange	0.750	4	0.500	1	0.000	1	0.625	0	0.625	0	0.625	0	0.625	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T2 74.00-54.00	Flange	0.750	0	0.500	1	0.000	1	0.625	0	0.625	0	0.625	0	0.625	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
LDF4-50A (1/2 FOAM)	A	No	No	Ar (CaAa)	90.00 - 87.50	0.000	0.45	3	3	0.630	0.630		0.150
LDF4-50A (1/2 FOAM)	A	No	No	Ar (CaAa)	87.50 - 85.50	0.000	0.45	4	4	0.630	0.630		0.150
LDF4-50A (1/2 FOAM)	A	No	No	Ar (CaAa)	85.50 - 67.00	0.000	0.45	5	5	0.630	0.630		0.150
LDF4-50A (1/2 FOAM)	A	No	No	Ar (CaAa)	67.00 - 57.00	0.000	0.45	6	3	0.630	0.630		0.150

1.5" Flat Cable Ladder Rail	C	No	No	Af (CaAa)	81.50 - 57.00	0.000	-0.3	2	2	30.000 1.500	1.500		1.800
LDF5-50A (7/8 FOAM)	C	No	No	Ar (CaAa)	81.50 - 57.00	0.000	-0.33	6	6	1.090	1.090		0.330
HFT1206-24S VL-210	C	No	No	Ar (CaAa)	81.50 - 57.00	0.000	-0.23	6	6	1.710	1.710		1.920

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	5 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
(1-5/8)													

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _{AA} ft ² /ft	Weight plf

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight lb
T1	94.00-74.00	A	0.000	0.000	4.599	0.000	10.95
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	16.350	0.000	128.25
T2	74.00-54.00	A	0.000	0.000	5.985	0.000	14.25
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	37.060	0.000	290.70

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight lb
T1	94.00-74.00	A	0.933	0.000	0.000	14.852	0.000	102.28
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	39.505	0.000	431.71
T2	74.00-54.00	A	0.908	0.000	0.000	14.638	0.000	115.68
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	89.125	0.000	962.43

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
T1	94.00-74.00	7.628	-3.522	10.828	-5.103
T2	74.00-54.00	14.166	-2.620	18.617	-0.969

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	6 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T1	1	LDF4-50A (1/2 FOAM)	87.50 - 90.00	1.0000	1.0000
T1	2	LDF4-50A (1/2 FOAM)	85.50 - 87.50	1.0000	1.0000
T1	3	LDF4-50A (1/2 FOAM)	74.00 - 85.50	1.0000	1.0000
T1	6	1.5" Flat Cable Ladder Rail	74.00 - 81.50	1.0000	1.0000
T1	7	LDF5-50A (7/8 FOAM)	74.00 - 81.50	1.0000	1.0000
T1	8	HFT1206-24SVL-210 (1-5/8)	74.00 - 81.50	1.0000	1.0000
T2	3	LDF4-50A (1/2 FOAM)	67.00 - 74.00	1.0000	1.0000
T2	4	LDF4-50A (1/2 FOAM)	57.00 - 67.00	1.0000	1.0000
T2	6	1.5" Flat Cable Ladder Rail	57.00 - 74.00	1.0000	1.0000
T2	7	LDF5-50A (7/8 FOAM)	57.00 - 74.00	1.0000	1.0000
T2	8	HFT1206-24SVL-210 (1-5/8)	57.00 - 74.00	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight lb
2.5" OD x 16' Omni	A	From Leg	0.00 0.000 9.500	0.000	94.00	No Ice 1/2" Ice 1" Ice	4.00 5.63 7.28	4.00 5.63 7.28	50.00 80.00 119.00
3' Yagi	A	From Leg	0.00 0.000 2.000	0.000	94.00	No Ice 1/2" Ice 1" Ice	2.08 3.79 5.52	2.08 3.79 5.52	31.00 53.00 85.00
3' Yagi	A	From Leg	0.00 0.000 0.000	0.000	93.00	No Ice 1/2" Ice 1" Ice	2.08 3.79 5.52	2.08 3.79 5.52	31.00 53.00 85.00
3' Yagi	A	From Leg	0.00 0.000 0.000	0.000	87.50	No Ice 1/2" Ice 1" Ice	2.08 3.79 5.52	2.08 3.79 5.52	31.00 53.00 85.00
2.375" OD x 12' Mount Pipe	A	From Leg	0.00 0.000 0.000	0.000	90.00	No Ice 1/2" Ice 1" Ice	2.85 4.08 5.32	2.85 4.08 5.32	109.00 130.00 159.00

PR-850	C	From Leg	4.00 0.000 0.000	0.000	85.50	No Ice 1/2" Ice 1" Ice	6.35 11.43 16.51	6.35 11.43 16.51	38.00 49.00 61.00
GPS	C	From Leg	4.00 0.000 1.500	0.000	85.50	No Ice 1/2" Ice 1" Ice	0.15 0.24 0.31	0.15 0.24 0.31	15.00 18.00 23.00
4' Standoff Mont	C	From Leg	2.00 0.000 0.000	0.000	85.50	No Ice 1/2" Ice 1" Ice	1.67 2.51 3.35	3.27 4.99 6.71	55.00 88.00 121.00

3' Yagi	A	From Leg	6.00	0.000	67.00	No Ice	2.08	2.08	31.00

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page 7 of 17
	Project	RF Filter Add	Date 07:46:05 08/11/23
	Client	Verizon Wireless	Designed by Arielle Novak

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment	Placement	CAAA Front	CAAA Side	Weight
				°	ft	ft²	ft²	lb
2.375" OD x 6' Side Arm Pipe	A	From Leg	0.000	0.000	67.00	1/2" Ice	3.79	53.00
			0.000			1" Ice	5.52	85.00
			3.00			No Ice	1.43	25.00
			0.000			1/2" Ice	1.93	36.00
			0.000			1" Ice	2.29	51.00

13' Wireless Frame	B	From Face	0.00	0.000	91.00	No Ice	17.89	361.00
			0.000			1/2" Ice	24.30	497.00
			0.000			1" Ice	30.81	632.00

(3) 2.375" OD x 6' Mount Pipe	B	From Face	0.00	0.000	91.00	No Ice	1.43	25.00
			0.000			1/2" Ice	1.93	36.00
			0.000			1" Ice	2.29	51.00

RRFDC-3315-PF-48	A	From Leg	4.00	0.000	81.50	No Ice	3.36	32.00
			0.000			1/2" Ice	3.60	61.00
			0.000			1" Ice	3.84	93.00
RRFDC-3315-PF-48	B	From Leg	4.00	0.000	81.50	No Ice	3.36	32.00
			0.000			1/2" Ice	3.60	61.00
			0.000			1" Ice	3.84	93.00
MT6407-77A	A	From Leg	4.00	0.000	81.50	No Ice	4.69	32.00
			0.000			1/2" Ice	4.98	62.00
			0.000			1" Ice	5.28	97.00
MT6407-77A	B	From Leg	4.00	0.000	81.50	No Ice	4.69	32.00
			0.000			1/2" Ice	4.98	62.00
			0.000			1" Ice	5.28	97.00
MT6407-77A	C	From Leg	4.00	0.000	81.50	No Ice	4.69	32.00
			0.000			1/2" Ice	4.98	62.00
			0.000			1" Ice	5.28	97.00
(2) JAHH-65B-R3B	A	From Leg	4.00	0.000	81.50	No Ice	9.35	89.00
			0.000			1/2" Ice	9.92	165.00
			0.000			1" Ice	10.46	250.00
(2) JAHH-65B-R3B	B	From Leg	4.00	0.000	81.50	No Ice	9.35	89.00
			0.000			1/2" Ice	9.92	165.00
			0.000			1" Ice	10.46	250.00
(2) JAHH-65B-R3B	C	From Leg	4.00	0.000	81.50	No Ice	9.35	89.00
			0.000			1/2" Ice	9.92	165.00
			0.000			1" Ice	10.46	250.00
VZ-AT1K01	A	From Leg	4.00	0.000	81.50	No Ice	2.11	38.00
			0.000			1/2" Ice	2.31	52.00
			0.000			1" Ice	2.52	70.00
VZ-AT1K01	B	From Leg	4.00	0.000	81.50	No Ice	2.11	38.00
			0.000			1/2" Ice	2.31	52.00
			0.000			1" Ice	2.52	70.00
VZ-AT1K01	C	From Leg	4.00	0.000	81.50	No Ice	2.11	38.00
			0.000			1/2" Ice	2.31	52.00
			0.000			1" Ice	2.52	70.00
CBRS RT4401-48A	A	From Leg	4.00	0.000	81.50	No Ice	0.99	19.00
			0.000			1/2" Ice	1.12	26.00
			0.000			1" Ice	1.25	36.00
CBRS RT4401-48A	B	From Leg	4.00	0.000	81.50	No Ice	0.99	19.00
			0.000			1/2" Ice	1.12	26.00
			0.000			1" Ice	1.25	36.00
CBRS RT4401-48A	C	From Leg	4.00	0.000	81.50	No Ice	0.99	19.00
			0.000			1/2" Ice	1.12	26.00
			0.000			1" Ice	1.25	36.00
CBC78T-DS-43-2X	A	From Leg	4.00	0.000	81.50	No Ice	0.37	21.00

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	8 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight lb	
CBC78T-DS-43-2X	B	From Leg	0.000	0.000	81.50	1/2" Ice	0.45	27.00	
			0.000			1" Ice	0.53	35.00	
			4.00			No Ice	0.37	21.00	
			0.000			1/2" Ice	0.45	27.00	
CBC78T-DS-43-2X	C	From Leg	0.000	0.000	81.50	1" Ice	0.53	35.00	
			4.00			No Ice	0.37	21.00	
			0.000			1/2" Ice	0.45	27.00	
			0.000			1" Ice	0.53	0.70	35.00
B2/B66A RRH-BR049	A	From Leg	4.00	0.000	81.50	No Ice	1.88	70.00	
			0.000			1/2" Ice	2.04	1.15	87.00
			0.000			1" Ice	2.22	1.28	106.00
			0.000			No Ice	1.88	1.01	70.00
B2/B66A RRH-BR049	B	From Leg	4.00	0.000	81.50	No Ice	1.88	70.00	
			0.000			1/2" Ice	2.04	1.15	87.00
			0.000			1" Ice	2.22	1.28	106.00
			0.000			No Ice	1.88	1.01	70.00
B2/B66A RRH-BR049	C	From Leg	4.00	0.000	81.50	No Ice	1.88	70.00	
			0.000			1/2" Ice	2.04	1.15	87.00
			0.000			1" Ice	2.22	1.28	106.00
			0.000			No Ice	1.88	1.01	70.00
B5/B13 RRH-BR04C	A	From Leg	4.00	0.000	81.50	No Ice	1.88	70.00	
			0.000			1/2" Ice	2.04	1.15	87.00
			0.000			1" Ice	2.22	1.28	106.00
			0.000			No Ice	1.88	1.01	70.00
B5/B13 RRH-BR04C	B	From Leg	4.00	0.000	81.50	No Ice	1.88	70.00	
			0.000			1/2" Ice	2.04	1.15	87.00
			0.000			1" Ice	2.22	1.28	106.00
			0.000			No Ice	1.88	1.01	70.00
B5/B13 RRH-BR04C	C	From Leg	4.00	0.000	81.50	No Ice	1.88	70.00	
			0.000			1/2" Ice	2.04	1.15	87.00
			0.000			1" Ice	2.22	1.28	106.00
			0.000			No Ice	1.88	1.01	70.00
Sector Mount	C	From Leg	4.00	0.000	81.50	No Ice	32.87	1760.00	
			0.000			1/2" Ice	46.26	46.26	2415.00
			0.000			1" Ice	59.46	59.46	3280.00
			0.000			No Ice	2.71	0.01	27.00
(2) L2.5x2.5x1/4 x 6.5' Horiz Mount Angle	A	From Leg	4.00	0.000	81.50	No Ice	2.71	27.00	
			0.000			1/2" Ice	3.45	0.74	36.00
			0.000			1" Ice	3.92	1.48	50.00
			0.000			No Ice	2.71	0.01	27.00
(2) L2.5x2.5x1/4 x 6.5' Horiz Mount Angle	B	From Leg	4.00	0.000	81.50	No Ice	2.71	27.00	
			0.000			1/2" Ice	3.45	0.74	36.00
			0.000			1" Ice	3.92	1.48	50.00
			0.000			No Ice	2.71	0.01	27.00
(2) L2.5x2.5x1/4 x 6.5' Horiz Mount Angle	C	From Leg	4.00	0.000	81.50	No Ice	2.71	27.00	
			0.000			1/2" Ice	3.45	0.74	36.00
			0.000			1" Ice	3.92	1.48	50.00
			0.000			No Ice	3.12	9.39	62.00
XXDWMM-12.5-65-8T-RRH w/ RT4401-48A w/ MP	A	From Leg	4.00	0.000	81.50	No Ice	3.12	9.39	
			0.000			1/2" Ice	3.96	10.62	141.00
			0.000			1" Ice	4.69	11.71	228.00
			0.000			No Ice	3.12	9.39	62.00
XXDWMM-12.5-65-8T-RRH w/ RT4401-48A w/ MP	B	From Leg	4.00	0.000	81.50	No Ice	3.12	9.39	
			0.000			1/2" Ice	3.96	10.62	141.00
			0.000			1" Ice	4.69	11.71	228.00
			0.000			No Ice	3.12	9.39	62.00
XXDWMM-12.5-65-8T-RRH w/ RT4401-48A w/ MP	C	From Leg	4.00	0.000	81.50	No Ice	3.12	9.39	
			0.000			1/2" Ice	3.96	10.62	141.00
			0.000			1" Ice	4.69	11.71	228.00
			0.000			No Ice	3.12	9.39	62.00
*** (2) Kaelus KA-6030	A	From Leg	4.00	0.000	81.50	No Ice	0.88	0.29	
			0.000			1/2" Ice	1.00	0.36	23.94
			0.000			1" Ice	1.13	0.45	32.01
			0.000			No Ice	0.88	0.29	17.60
(2) Kaelus KA-6030	C	From Leg	4.00	0.000	81.50	No Ice	0.88	0.29	
			0.000			1/2" Ice	1.00	0.36	23.94
			0.000			1" Ice	1.13	0.45	32.01
			0.000			No Ice	0.88	0.29	17.60
***			0.000			1" Ice	1.13	0.45	32.01

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page 9 of 17
	Project	RF Filter Add	Date 07:46:05 08/11/23
	Client	Verizon Wireless	Designed by Arielle Novak

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Reactions

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	10 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
Leg C	Max. Vert	18	27822.65	4575.83	-2576.71
	Max. H _x	18	27822.65	4575.83	-2576.71
	Max. H _z	5	-16450.74	-3290.11	2785.59
	Min. Vert	7	-19019.27	-4134.21	2322.33
	Min. H _x	7	-19019.27	-4134.21	2322.33
	Min. H _z	16	24419.39	3524.76	-2927.13
Leg B	Max. Vert	10	24401.11	-4619.17	-2274.24
	Max. H _x	23	-20272.81	4188.95	2037.20
	Max. H _z	25	-17750.03	3411.80	2424.93
	Min. Vert	23	-20272.81	4188.95	2037.20
	Min. H _x	10	24401.11	-4619.17	-2274.24
	Min. H _z	12	21043.18	-3635.70	-2549.44
Leg A	Max. Vert	2	24899.83	-255.68	5277.17
	Max. H _x	21	944.49	1217.67	20.40
	Max. H _z	2	24899.83	-255.68	5277.17
	Min. Vert	15	-20657.87	246.27	-4788.01
	Min. H _x	8	2458.85	-1228.89	226.13
	Min. H _z	15	-20657.87	246.27	-4788.01

Tower Mast Reaction Summary

Load Combination	Vertical lb	Shear _x lb	Shear _z lb	Overturning Moment, M _x lb-ft	Overturning Moment, M _z lb-ft	Torque lb-ft
Dead Only	6980.14	0.00	-0.00	7373.48	13423.05	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	8376.17	142.01	-9950.33	-230956.97	10747.94	-5009.00
0.9 Dead+1.0 Wind 0 deg - No Ice	6282.12	142.01	-9950.33	-233126.40	6716.34	-5004.89
1.2 Dead+1.0 Wind 30 deg - No Ice	8376.17	4944.91	-8306.05	-193681.41	-106616.85	-1048.03
0.9 Dead+1.0 Wind 30 deg - No Ice	6282.13	4944.91	-8306.05	-195858.49	-110626.77	-1045.12
1.2 Dead+1.0 Wind 60 deg - No Ice	8376.17	8139.86	-4714.13	-108645.75	-186701.95	1217.46
0.9 Dead+1.0 Wind 60 deg - No Ice	6282.13	8139.86	-4714.13	-110838.94	-190696.94	1217.72
1.2 Dead+1.0 Wind 90 deg - No Ice	8376.17	8525.87	-142.02	3480.96	-202612.73	1345.38
0.9 Dead+1.0 Wind 90 deg - No Ice	6282.13	8525.87	-142.02	1266.87	-206604.14	1343.05
1.2 Dead+1.0 Wind 120 deg - No Ice	8376.17	8446.33	4727.09	122143.57	-190150.40	6809.70
0.9 Dead+1.0 Wind 120 deg - No Ice	6282.12	8446.33	4727.09	119906.88	-194143.78	6805.84
1.2 Dead+1.0 Wind 150 deg - No Ice	8376.17	4791.43	8324.27	209400.05	-99266.15	7102.61
0.9 Dead+1.0 Wind 150 deg - No Ice	6282.13	4791.43	8324.27	207147.39	-103275.68	7098.41
1.2 Dead+1.0 Wind 180 deg - No Ice	8376.17	-142.04	9511.86	239944.05	21487.94	5007.27
0.9 Dead+1.0 Wind 180 deg - No Ice	6282.13	-142.04	9511.86	237686.18	17456.54	5003.77
1.2 Dead+1.0 Wind 210 deg - No Ice	8376.17	-4944.93	8306.04	211383.83	138847.97	1047.32
0.9 Dead+1.0 Wind 210 deg - No Ice	6282.17	-4944.91	8305.91	209132.17	134795.40	1043.77

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	11 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Load Combination	Vertical lb	Shear _x lb	Shear _y lb	Overturning Moment, M _x lb-ft	Overturning Moment, M _y lb-ft	Torque lb-ft
No Ice						
1.2 Dead+1.0 Wind 240 deg -	8376.17	-8519.59	4933.36	130707.43	226480.05	-1217.14
No Ice						
0.9 Dead+1.0 Wind 240 deg -	6282.12	-8519.59	4933.36	128471.14	222410.76	-1217.35
No Ice						
1.2 Dead+1.0 Wind 270 deg -	8376.17	-8525.87	142.03	14223.38	234842.23	-1344.70
No Ice						
0.9 Dead+1.0 Wind 270 deg -	6282.12	-8525.87	142.03	12009.20	230770.35	-1343.16
No Ice						
1.2 Dead+1.0 Wind 300 deg -	8376.17	-8066.61	-4507.83	-100076.21	214834.66	-6807.87
No Ice						
0.9 Dead+1.0 Wind 300 deg -	6282.13	-8066.61	-4507.83	-102269.01	210766.33	-6804.27
No Ice						
1.2 Dead+1.0 Wind 330 deg -	8376.17	-4791.45	-8324.25	-191692.85	131502.20	-7102.62
No Ice						
0.9 Dead+1.0 Wind 330 deg -	6282.13	-4791.45	-8324.25	-193868.93	127448.74	-7098.42
No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	16360.79	0.00	0.00	15051.23	24691.92	-0.22
1.2 Dead+1.0 Wind 0 deg+1.0	16360.79	35.29	-2849.45	-52887.93	23347.41	-1288.32
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30 deg+1.0	16360.79	1382.42	-2328.78	-41641.54	-9514.89	-399.88
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60 deg+1.0	16360.79	2170.66	-1256.08	-16703.18	-30171.28	-116.86
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90 deg+1.0	16360.79	2355.93	-35.29	13706.16	-36037.09	358.54
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	16360.79	2245.23	1258.39	45804.91	-31127.55	1865.70
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	16360.79	1350.58	2344.22	71531.61	-7838.03	2232.42
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	16360.79	-35.29	2781.16	81638.55	26036.97	1288.05
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	16360.79	-1382.42	2328.78	71744.27	58897.82	400.17
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	16360.79	-2229.79	1290.22	47481.30	80725.65	116.84
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	16360.79	-2355.93	35.29	16396.50	85420.95	-358.72
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	16360.79	-2186.10	-1224.24	-15026.41	79341.79	-1865.55
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	16360.79	-1350.58	-2344.22	-41428.91	57222.42	-2232.42
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	6980.14	37.37	-2618.51	-55723.71	12013.49	-1316.70
Dead+Wind 30 deg - Service	6980.14	1301.29	-2185.80	-45915.72	-18866.83	-274.69
Dead+Wind 60 deg - Service	6980.14	2142.07	-1240.56	-23541.29	-39939.48	320.41
Dead+Wind 90 deg - Service	6980.14	2243.65	-37.37	5962.12	-44125.28	353.24
Dead+Wind 120 deg - Service	6980.14	2222.72	1243.97	37183.76	-40847.24	1790.67
Dead+Wind 150 deg - Service	6980.14	1260.90	2190.59	60143.23	-16933.50	1869.03
Dead+Wind 180 deg - Service	6980.14	-37.38	2503.12	68179.37	14841.92	1317.23
Dead+Wind 210 deg - Service	6980.14	-1301.30	2185.80	60667.74	45721.59	274.70
Dead+Wind 240 deg - Service	6980.14	-2242.00	1298.25	39439.10	68780.06	-320.35
Dead+Wind 270 deg - Service	6980.14	-2243.65	37.38	8788.78	70980.55	-353.11
Dead+Wind 300 deg - Service	6980.14	-2122.79	-1186.27	-21284.17	65713.91	-1791.18
Dead+Wind 330 deg - Service	6980.14	-1260.90	-2190.59	-45392.94	43786.69	-1869.02

Solution Summary

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	12 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	
1	0.00	-6980.14	-0.00	-0.00	6980.14	0.00	0.000%
2	142.03	-8376.17	-9950.33	-142.01	8376.17	9950.33	0.000%
3	142.03	-6282.13	-9950.33	-142.01	6282.12	9950.33	0.000%
4	4944.92	-8376.17	-8306.05	-4944.91	8376.17	8306.05	0.000%
5	4944.92	-6282.13	-8306.05	-4944.91	6282.13	8306.05	0.000%
6	8139.87	-8376.17	-4714.13	-8139.86	8376.17	4714.13	0.000%
7	8139.87	-6282.13	-4714.13	-8139.86	6282.13	4714.13	0.000%
8	8525.87	-8376.17	-142.03	-8525.87	8376.17	142.02	0.000%
9	8525.87	-6282.13	-142.03	-8525.87	6282.13	142.02	0.000%
10	8446.33	-8376.17	4727.07	-8446.33	8376.17	-4727.09	0.000%
11	8446.33	-6282.13	4727.07	-8446.33	6282.12	-4727.09	0.000%
12	4791.44	-8376.17	8324.26	-4791.43	8376.17	-8324.27	0.000%
13	4791.44	-6282.13	8324.26	-4791.43	6282.13	-8324.27	0.000%
14	-142.03	-8376.17	9511.86	142.04	8376.17	-9511.86	0.000%
15	-142.03	-6282.13	9511.86	142.04	6282.13	-9511.86	0.000%
16	-4944.92	-8376.17	8306.05	4944.93	8376.17	-8306.04	0.000%
17	-4944.92	-6282.13	8306.05	4944.91	6282.17	-8305.91	0.001%
18	-8519.59	-8376.17	4933.36	8519.59	8376.17	-4933.36	0.000%
19	-8519.59	-6282.13	4933.36	8519.59	6282.12	-4933.36	0.000%
20	-8525.87	-8376.17	142.03	8525.87	8376.17	-142.03	0.000%
21	-8525.87	-6282.13	142.03	8525.87	6282.12	-142.03	0.000%
22	-8066.61	-8376.17	-4507.84	8066.61	8376.17	4507.83	0.000%
23	-8066.61	-6282.13	-4507.84	8066.61	6282.13	4507.83	0.000%
24	-4791.44	-8376.17	-8324.26	4791.45	8376.17	8324.25	0.000%
25	-4791.44	-6282.13	-8324.26	4791.45	6282.13	8324.25	0.000%
26	0.00	-16360.79	-0.00	-0.00	16360.79	-0.00	0.000%
27	35.29	-16360.79	-2849.45	-35.29	16360.79	2849.45	0.000%
28	1382.42	-16360.79	-2328.78	-1382.42	16360.79	2328.78	0.000%
29	2170.66	-16360.79	-1256.08	-2170.66	16360.79	1256.08	0.000%
30	2355.93	-16360.79	-35.29	-2355.93	16360.79	35.29	0.000%
31	2245.23	-16360.79	1258.39	-2245.23	16360.79	-1258.39	0.000%
32	1350.58	-16360.79	2344.22	-1350.58	16360.79	-2344.22	0.000%
33	-35.29	-16360.79	2781.16	35.29	16360.79	-2781.16	0.000%
34	-1382.42	-16360.79	2328.78	1382.42	16360.79	-2328.78	0.000%
35	-2229.79	-16360.79	1290.22	2229.79	16360.79	-1290.22	0.000%
36	-2355.93	-16360.79	35.29	2355.93	16360.79	-35.29	0.000%
37	-2186.10	-16360.79	-1224.25	2186.10	16360.79	1224.24	0.000%
38	-1350.58	-16360.79	-2344.22	1350.58	16360.79	2344.22	0.000%
39	37.38	-6980.14	-2618.51	-37.37	6980.14	2618.51	0.000%
40	1301.29	-6980.14	-2185.80	-1301.29	6980.14	2185.80	0.000%
41	2142.07	-6980.14	-1240.56	-2142.07	6980.14	1240.56	0.000%
42	2243.65	-6980.14	-37.38	-2243.65	6980.14	37.37	0.000%
43	2222.72	-6980.14	1243.97	-2222.72	6980.14	-1243.97	0.000%
44	1260.90	-6980.14	2190.59	-1260.90	6980.14	-2190.59	0.000%
45	-37.38	-6980.14	2503.12	37.38	6980.14	-2503.12	0.000%
46	-1301.29	-6980.14	2185.80	1301.30	6980.14	-2185.80	0.000%
47	-2242.00	-6980.14	1298.25	2242.00	6980.14	-1298.25	0.000%
48	-2243.65	-6980.14	37.38	2243.65	6980.14	-37.38	0.000%
49	-2122.79	-6980.14	-1186.27	2122.79	6980.14	1186.27	0.000%
50	-1260.90	-6980.14	-2190.59	1260.90	6980.14	2190.59	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	13 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

2	Yes	6	0.00000001	0.00000001
3	Yes	6	0.00000001	0.00000001
4	Yes	6	0.00000001	0.00000001
5	Yes	6	0.00000001	0.00000001
6	Yes	6	0.00000001	0.00000001
7	Yes	6	0.00000001	0.00000001
8	Yes	6	0.00000001	0.00000001
9	Yes	6	0.00000001	0.00000001
10	Yes	6	0.00000001	0.00000001
11	Yes	6	0.00000001	0.00000001
12	Yes	6	0.00000001	0.00000001
13	Yes	6	0.00000001	0.00000001
14	Yes	6	0.00000001	0.00000001
15	Yes	6	0.00000001	0.00000001
16	Yes	6	0.00000001	0.00000001
17	Yes	6	0.00000001	0.00000001
18	Yes	6	0.00000001	0.00000001
19	Yes	6	0.00000001	0.00000001
20	Yes	6	0.00000001	0.00000001
21	Yes	6	0.00000001	0.00000001
22	Yes	6	0.00000001	0.00000001
23	Yes	6	0.00000001	0.00000001
24	Yes	6	0.00000001	0.00000001
25	Yes	6	0.00000001	0.00000001
26	Yes	6	0.00000001	0.00000001
27	Yes	6	0.00000001	0.00000001
28	Yes	6	0.00000001	0.00000001
29	Yes	6	0.00000001	0.00000001
30	Yes	6	0.00000001	0.00000001
31	Yes	6	0.00000001	0.00000001
32	Yes	6	0.00000001	0.00000001
33	Yes	6	0.00000001	0.00000001
34	Yes	6	0.00000001	0.00000001
35	Yes	6	0.00000001	0.00000001
36	Yes	6	0.00000001	0.00000001
37	Yes	6	0.00000001	0.00000001
38	Yes	6	0.00000001	0.00000001
39	Yes	6	0.00000001	0.00000001
40	Yes	6	0.00000001	0.00000001
41	Yes	6	0.00000001	0.00000001
42	Yes	6	0.00000001	0.00000001
43	Yes	6	0.00000001	0.00000001
44	Yes	6	0.00000001	0.00000001
45	Yes	6	0.00000001	0.00000001
46	Yes	6	0.00000001	0.00000001
47	Yes	6	0.00000001	0.00000001
48	Yes	6	0.00000001	0.00000001
49	Yes	6	0.00000001	0.00000001
50	Yes	6	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	94 - 74	0.163	47	0.024	0.006
T2	74 - 54	0.057	47	0.020	0.004

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	14 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Comb.	in	°	°	ft
94.00	2.5" OD x 16' Omni	47	0.163	0.024	0.006	256100
93.00	3' Yagi	47	0.157	0.024	0.006	256100
91.00	13' Wireless Frame	47	0.145	0.024	0.005	256100
90.00	2.375" OD x 12' Mount Pipe	47	0.140	0.024	0.005	256100
87.50	3' Yagi	47	0.125	0.024	0.005	197000
85.50	PR-850	47	0.114	0.024	0.005	150647
81.50	RRFDC-3315-PF-48	47	0.092	0.023	0.005	102440
67.00	3' Yagi	47	0.032	0.014	0.003	98500

Maximum Tower Deflections - Design Wind

Section No.	Elevation	Horz. Deflection	Gov. Load	Tilt	Twist
	ft	in	Comb.	°	°
T1	94 - 74	0.510	18	0.071	0.021
T2	74 - 54	0.190	18	0.059	0.014

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Comb.	in	°	°	ft
94.00	2.5" OD x 16' Omni	18	0.510	0.071	0.021	97815
93.00	3' Yagi	18	0.492	0.071	0.021	97815
91.00	13' Wireless Frame	18	0.457	0.071	0.020	97815
90.00	2.375" OD x 12' Mount Pipe	18	0.440	0.071	0.020	97815
87.50	3' Yagi	18	0.396	0.071	0.020	75242
85.50	PR-850	18	0.362	0.070	0.019	57538
81.50	RRFDC-3315-PF-48	18	0.297	0.068	0.018	39126
67.00	3' Yagi	18	0.111	0.043	0.010	37621

Bolt Design Data

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	15 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load Allowable	Allowable Ratio	Criteria
T1	94	Leg	A325N	0.750	4	1025.04	30101.40	0.034 ✓	1	Bolt Tension
		Diagonal	A325N	0.500	1	2997.07	7612.50	0.394 ✓	1	Member Block Shear
T2	74	Diagonal	A325N	0.500	1	3244.46	8265.00	0.393 ✓	1	Member Bearing

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	94 - 74	ROHN 2.5 STD	20.03	6.68	84.6 K=1.00	1.704	-9626.21	45449.30	0.212 ¹ ✓
T2	74 - 54	ROHN 2.5 STD	20.02	6.67	84.5 K=1.00	1.704	-25189.90	45483.80	0.554 ¹ ✓

¹ P_u / φP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	94 - 74	L1 3/4x1 3/4x1/4	12.21	6.06	213.0 K=1.00	0.813	-3129.71	5128.15	0.610 ¹ ✓
T2	74 - 54	KL/R > 200 (C) - 11 L2x2x1/4	13.57	6.68	205.1 K=1.00	0.938	-3199.35	6379.25	0.502 ¹ ✓
		KL/R > 200 (C) - 32							

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	94 - 74	L3x3x1/4	8.56	8.32	168.7 K=1.00	1.440	-445.50	14479.00	0.031 ¹ ✓

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	16 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	lb	lb	

¹ P_u / φP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	lb	lb	
T1	94 - 74	ROHN 2.5 STD	20.03	6.68	84.6	1.704	4100.17	76682.30	0.053 ¹
T2	74 - 54	ROHN 2.5 STD	20.02	6.67	84.5	1.704	18215.50	76682.30	0.238 ¹

¹ P_u / φP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	lb	lb	
T1	94 - 74	L1 3/4x1 3/4x1/4	12.21	6.06	139.8	0.492	2997.07	21410.20	0.140 ¹
T2	74 - 54	L2x2x1/4	13.57	6.68	133.8	0.586	3244.46	25504.60	0.127 ¹

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	lb	lb	
T1	94 - 74	L3x3x1/4	8.56	8.32	107.4	1.440	358.76	46656.00	0.008 ¹

¹ P_u / φP_n controls

tnxTower Centerline Communications 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX:	Job	Stamford W CT	Page	17 of 17
	Project	RF Filter Add	Date	07:46:05 08/11/23
	Client	Verizon Wireless	Designed by	Arielle Novak

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
T1	94 - 74	Leg	ROHN 2.5 STD	1	-9626.21	45449.30	21.2	Pass
T2	74 - 54	Leg	ROHN 2.5 STD	25	-25189.90	45483.80	55.4	Pass
T1	94 - 74	Diagonal	L1 3/4x1 3/4x1/4	11	-3129.71	5128.15	61.0	Pass
T2	74 - 54	Diagonal	L2x2x1/4	32	-3199.35	6379.25	50.2	Pass
T1	94 - 74	Top Girt	L3x3x1/4	4	-445.50	14479.00	3.1	Pass
							Summary	
							Leg (T2)	55.4 Pass
							Diagonal (T1)	61.0 Pass
							Top Girt (T1)	3.1 Pass
							Bolt Checks	39.4 Pass
							RATING =	61.0 Pass

Program Version 8.1.1.0 - 6/3/2021 File:G:\shortcut-targets-by-id\1zg91xOiuLCWouH34AfYHhje2ZoXFrJ8s\CC-AB-NE-Verizon\RF Filters\STAMFORD_W_CT\Structural\Working Files\Analysis\tnx\Stamford W CT.eri

Project Information

BU #	
Site Name	Stamford W CT
Order #	

Tower Information

Tower Type	Self Support
TIA-222 Rev	H

☒ Apply TIA-222-H Section 15.5

Applied Loads

	Comp.	Uplift
Axial (k)	27.82	20.66
Shear (k)	5.25	4.79

Anchor Rod Data

Quantity:	4
Diameter (in):	0.75
Material Grade:	A325
Grout Considered:	
l_{ar} (in):	0
Eta Factor, η :	
Thread Type:	N-Included
Configuration:	Symmetrical

Fy=92 ksi Fu=120 ksi
Not Considered, $l_{ar} \leq 1(d)$

Anchor Rod Results

Axial, P_{u_c} (kips)	6.96
Shear, V_u (kips)	1.31
Moment, M_u (kip-in)	-
Axial Cap., ϕP_{n_c} (kips)	30.73
Shear Cap., ϕV_n (kips)	9.22
Moment Cap., ϕM_n (kip-in)	-
Stress Rating	23.5%

Pass



Colliers Engineering & Design CT, P.C.
1055 Washington Blvd
Stamford, CT 06901
203.324.0800
peter.albano@collierseng.com

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208089
Colliers Engineering & Design CT, P.C. Project #: 23777238

August 14, 2023

Site Information

Site ID: 500386297-VZW / STAMFORD W CT
Site Name: STAMFORD W CT
Carrier Name: Verizon Wireless
Address: 370 West Main St
Stamford, Connecticut 06902
Fairfield County
Latitude: 41.047796°
Longitude: -73.553653°

Structure Information

Tower Type: Self Support On Rooftop
Mount Type: 17.00-ft Sector Frame

FUZE ID # 17123701

Analysis Results

Sector Frame: 61.0% Pass w/ Hardware Upgrades*

* Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.

***Contractor PMI Requirements:

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to:

pmisupport@colliersengineering.com

Report Prepared By: Grant Walters



08/14/2023

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 324909, dated October 11, 2021
Mount Mapping Report	RKS Design & Engineering LLC, Site ID: 468191, dated March 20, 2021
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21777327, dated October 20, 2021
Filter Add Scope	Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code, Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.996
Seismic Parameters:	S_s : 0.261 g S_1 : 0.058 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

The following equipment has been considered for the analysis of the mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
81.00	83.90	3	Samsung	VZ-AT1K01	Retained
	83.00	3	Samsung	MT6407-77A	
	81.50	3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Commscope	CBC78T-DS-43-2X	
		1	Raycap	RHSDC-3315-PF-48	
		1	Raycap	RRFDC-3315-PF-48	
		6	Commscope	JAHH-65B-R3B	
	79.70	3	Samsung	XXDWMM-12.5-65-8T-CBRS	
	81.50	4	KAelus	KA-6030	Added

The recent mount mapping reported existing OVP units. It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT, P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design CT, P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325
8. It is assumed that the mount modifications listed under Sources of Information have been installed per the design specifications.

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design CT, P.C.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	23.6 %	Pass
Standoff Horizontal	34.3 %	Pass
Standoff Vertical	2.1 %	Pass
Standoff Diagonal	28.9 %	Pass
Standoff Bar	61.0 %	Pass
Standoff Pipe	12.4 %	Pass
Tieback	9.9 %	Pass
Unistrut	14.2 %	Pass
Antenna Pipe	43.1 %	Pass
Large Mount Pipe	8.0 %	Pass
V-Brace	22.1 %	Pass
Connection Check	21.7 %	Pass

Structure Rating – (Controlling Utilization of all Components)	61.0%*
---	---------------

* Results valid after hardware upgrades noted in the PMI Requirements are installed.

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	38.8	32.3	46.8	40.2
0.5	54.1	44.7	65.4	55.9
1	68.3	55.9	82.8	70.4

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 1 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mounts will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

Contractor shall verify modifications detailed in Construction Drawings by Maser Consulting Connecticut dated October 20, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Contractor Required Post Installation Inspection (PMI) Report Deliverables
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **Passing Mount Analysis**

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>.

For additional questions and support, please reach out to pmisupport@colliersengineering.com

MDG #: 5000386297

SMART Project #: 10208089

Fuze Project ID: 17123701

Purpose – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built mount drawings” showing contractor’s name, contact information, preparer’s signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

Photo Requirements:

- **Photos taken at ground level**
 - Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation.
 - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- **Photos taken at Mount Elevation**
 - Photos showing the safety climb wire rope above and below the mount prior to installation.
 - Photos showing the climbing facility and safety climb if present.
 - Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
- ☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

- ☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

Contractor shall verify modifications detailed in Construction Drawings by Maser Consulting Connecticut dated October 20, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

Response:

Special Instruction Confirmation:

- ☐ The contractor has read and acknowledges the above special instructions.
- ☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
- ☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

- ☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Comments:

--

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

- ☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

- ☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

- ☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

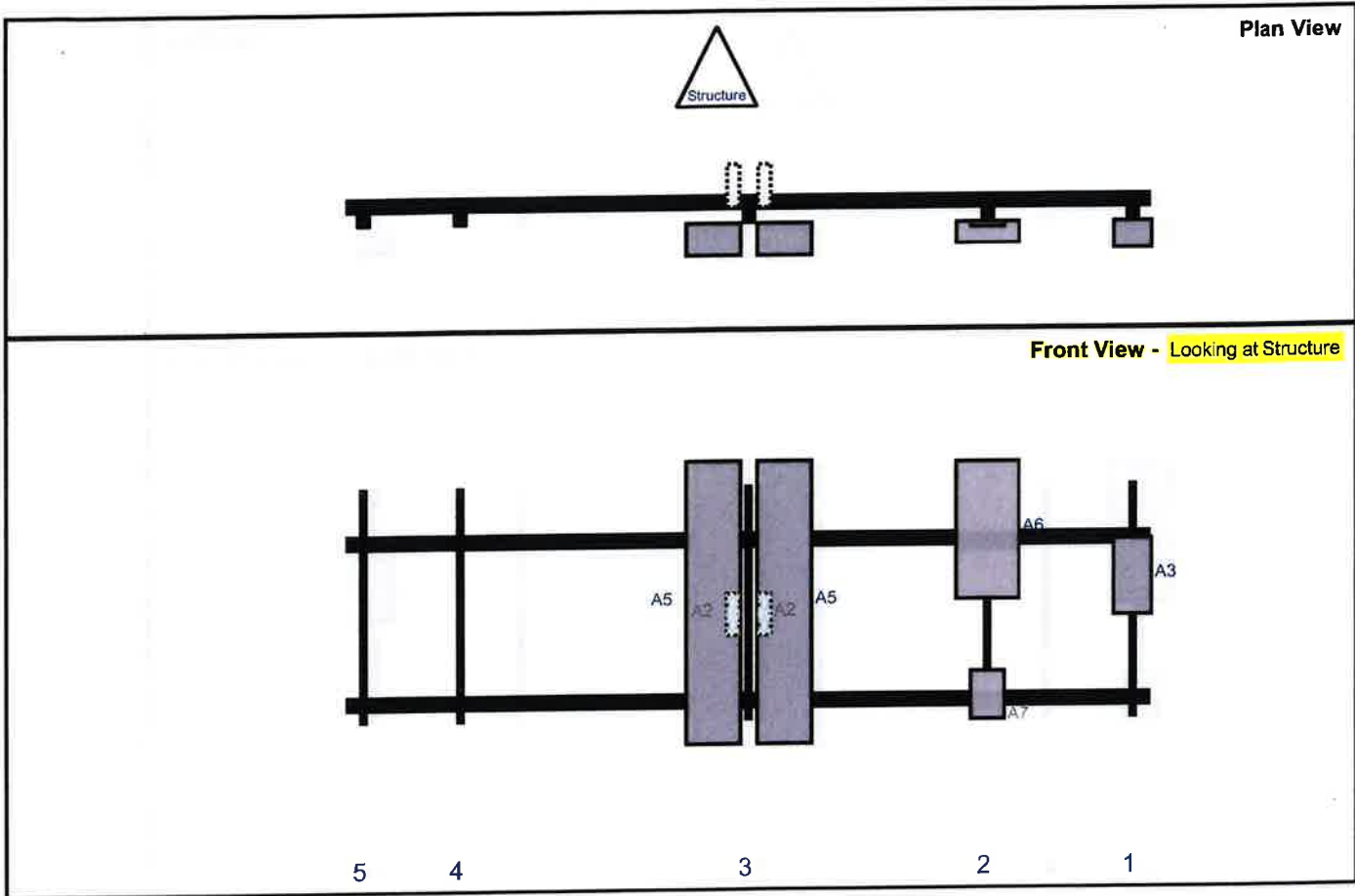
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Sector: **A**
 Structure Type: Self Support
 Mount Elev: 81.00

10208089

8/14/2023

Page: 1



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	VZ-AT1K01	19.4	9.6	199.5	1	a	Front	24	0	Retained	
A6	MT6407-77A	35.1	16.1	162.5	2	a	Front	12	0	Retained	
A7	XXDWMM-12.5-65	12.3	8.7	162.5	2	a	Front	54	0	Retained	
A5	JAHH-65B-R3B	72	13.8	102	3	a	Front	30	9	Retained	
A5	JAHH-65B-R3B	72	13.8	102	3	b	Front	30	-9	Retained	
A2	KA-6030	10.6	3.2	102	3	a	Behind	33	-4	Added	
A2	KA-6030	10.6	3.2	102	3	b	Behind	33	4	Added	
M35	B2/B66A RRH-BR049	7.5	7.5		Member					Retained	03/20/2021
M36	B2/B66A RRH-BR049	7.5	7.5		Member					Retained	03/20/2021
M37	B5/B13 RRH-BR04C	7.5	7.5		Member					Retained	03/20/2021
M38	B5/B13 RRH-BR04C	7.5	7.5		Member					Retained	03/20/2021
M3	CBC78T-DS-43	6.4	6.9		Member					Retained	

Sector: B

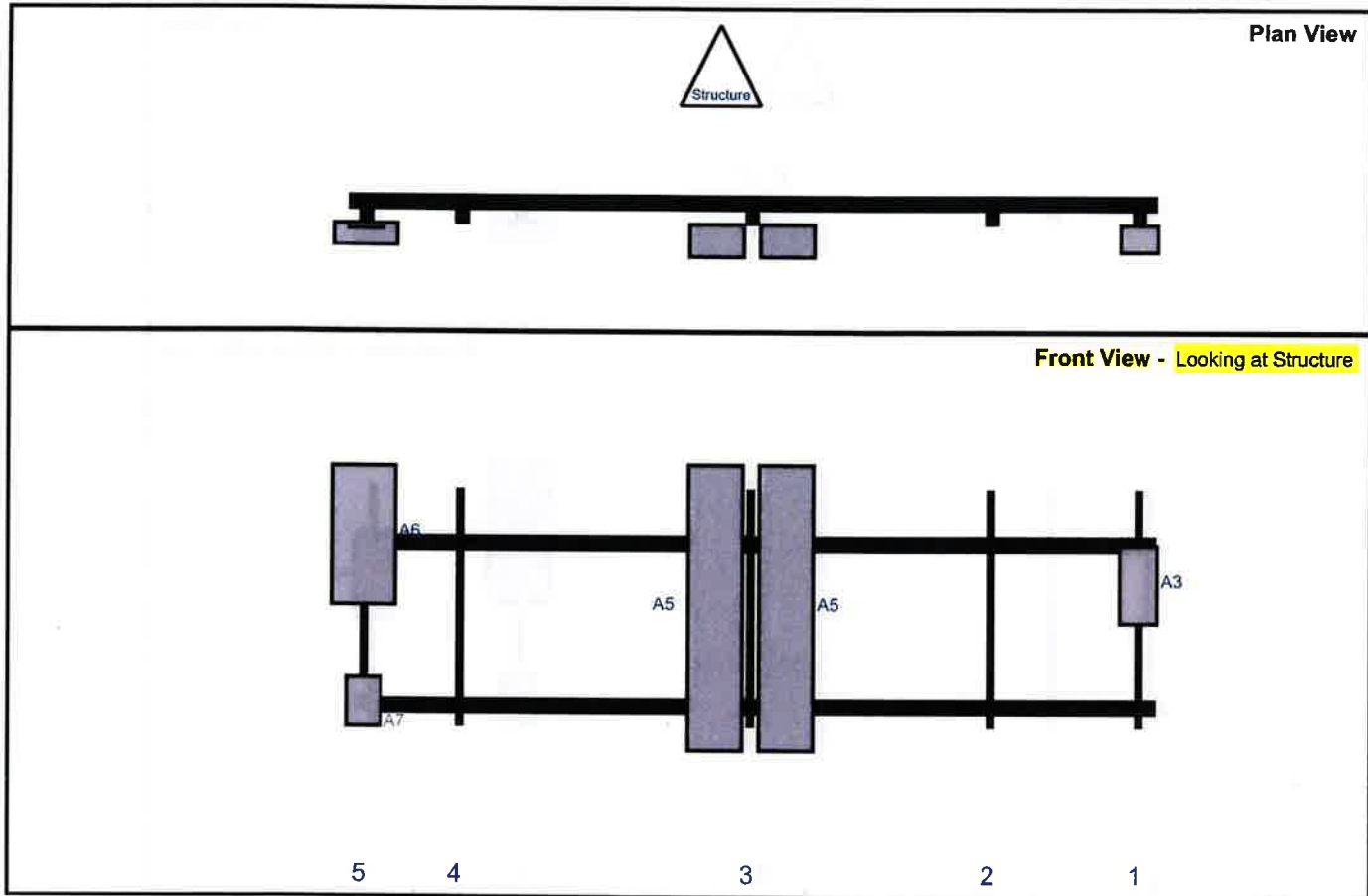
8/14/2023

Structure Type: Self Support

10208089

Mount Elev: 81.00

Page: 2



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	VZ-AT1K01	19.4	9.6	199.5	1	a	Front	24	0	Retained	
A5	JAHH-65B-R3B	72	13.8	102	3	a	Front	30	9	Retained	
A5	JAHH-65B-R3B	72	13.8	102	3	b	Front	30	-9	Retained	
A6	MT6407-77A	35.1	16.1	4.5	5	a	Front	12	0	Retained	
A7	XXDWMM-12.5-65	12.3	8.7	4.5	5	a	Front	54	0	Retained	

Sector: C

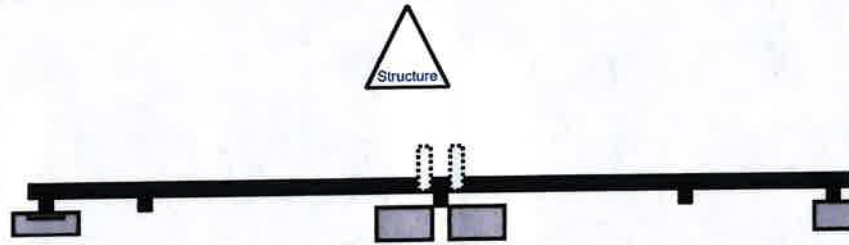
Structure Type: Self Support

10208089

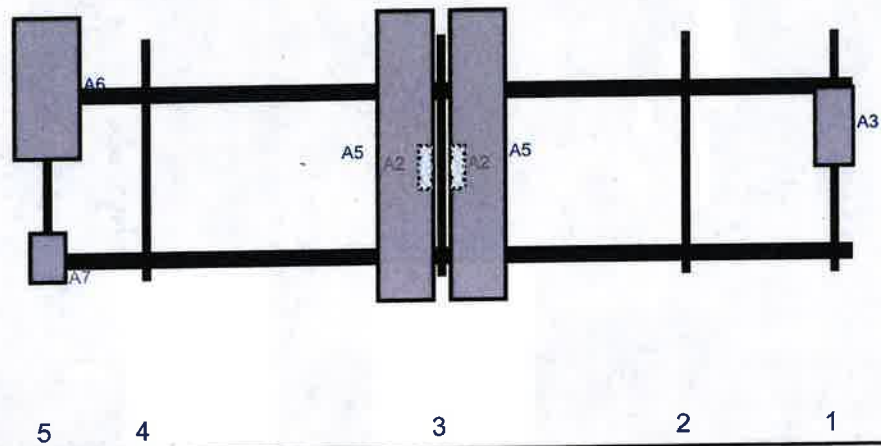
Page: 3

Mount Elev: 81.00

Plan View



Front View - Looking at Structure



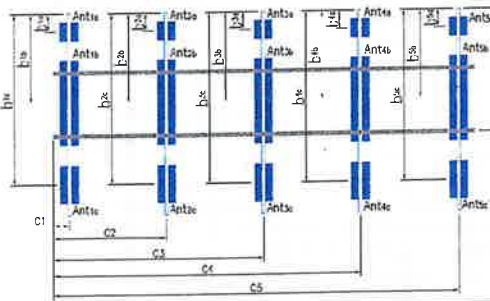
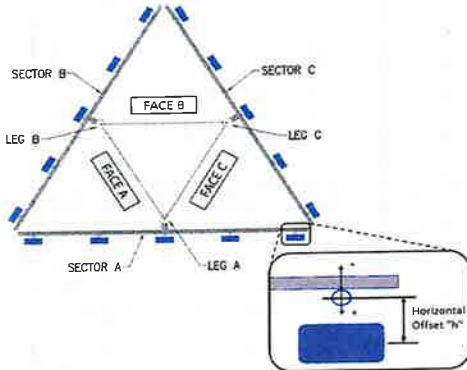
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	VZ-AT1K01	19.4	9.6	199.5	1	a	Front	24	0	Retained	
A5	JAHH-65B-R3B	72	13.8	102	3	a	Front	30	9	Retained	
A5	JAHH-65B-R3B	72	13.8	102	3	b	Front	30	-9	Retained	
A2	KA-6030	10.6	3.2	102	3	a	Behind	33	-4	Added	
A2	KA-6030	10.6	3.2	102	3	b	Behind	33	4	Added	
A6	MT6407-77A	35.1	16.1	4.5	5	a	Front	12	0	Retained	
A7	XXDWMM-12.5-65	12.3	8.7	4.5	5	a	Front	54	0	Retained	



FCC #
UNKNOWN

Mapping Date:	3/20/2021
Tower Type:	Self Support
Tower Height (Ft.):	UNKNOWN
Mount Elevation (Ft.):	80.25

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

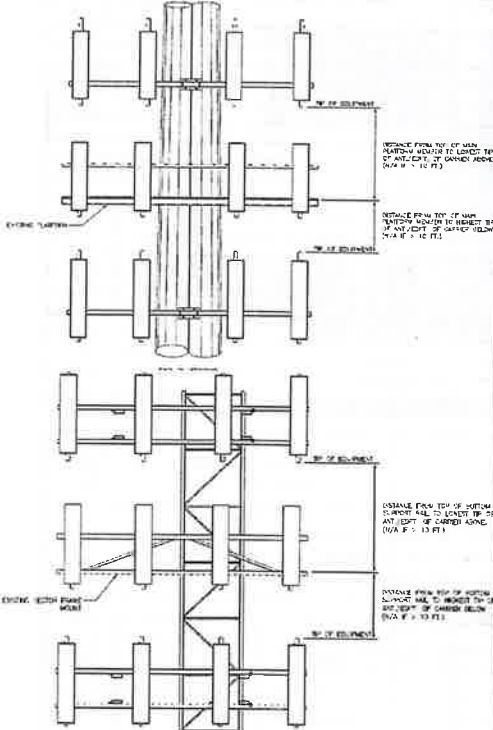


Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y" "	Horizontal Offset "C1, C2, C3, etc." "	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y" "	Horizontal Offset "C1, C2, C3, etc." "
A1	PIPE 2.375"Ø X 0.15" X 72.5" Long	64.50	4.50	C1	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	4.50
A2	PIPE 2.375"Ø X 0.15" X 75.5" Long	57.00	41.50	C2	PIPE 2.375"Ø X 0.18" X 60" Long	57.00	41.50
A3	PIPE 2.375"Ø X 0.18" X 60" Long	55.00	102.00	C3	PIPE 2.375"Ø X 0.15" X 126" Long	119.50	102.00
A4	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	175.00	C4	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	175.00
A5	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	199.50	C5	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	199.50
A6				C6			
B1	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	4.50	D1			
B2	PIPE 2.375"Ø X 0.18" X 60" Long	57.00	41.50	D2			
B3	PIPE 2.375"Ø X 0.15" X 126" Long	119.50	102.00	D3			
B4	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	175.00	D4			
B5	PIPE 2.375"Ø X 0.18" X 60" Long	55.50	199.50	D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details.							20.50
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):	10		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				2.875

	Enter antenna model. If not labeled, enter "Unknown"					Mounting Locations [Units are inches and degrees]				Photos of antennas
Ant. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant _{1a}										
Ant _{1b}	UNKNOWN-ANTENNA	9.50	7.75	48.50		81.3958	30.25	8.25	30.00	65, 16
Ant _{1c}										
Ant _{2a}										
Ant _{2b}										
Ant _{2c}										
Ant _{3a}										
Ant _{3b}	(2)UNKNOWN-ANTENNA	13.50	8.25	72.00		81.75	16.50	13.00	20.00	65, 17
Ant _{3c}										
Ant _{4a}										
Ant _{4b}										
Ant _{4c}										
Ant _{5a}										
Ant _{5b}	UNKNOWN-ANTENNA	9.50	7.75	48.50		81.3125	22.25	8.25	30.00	65, 18
Ant _{5c}										
Ant on Standoff	B66A RRH4X45	11.80	7.20	25.80			14.50			175, 177
Ant on Standoff	RFV01U-D2A	15.00	8.00	15.00			13.00			175, 186
Ant on Tower	B25 RRH 4X30	12.00	7.20	21.40			18.75			175, 195
Ant on Tower	CBC78T-DS-43-2X	6.90	9.60	6.40			-6.00			202

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B							
Sector A:	30.00	Deg	Leg A:	80.00	Deg	Ant _{1a}									
Sector B:	160.00	Deg	Leg B:	200.00	Deg	Ant _{1b}	UNKNOWN-ANTENN	9.50	7.75	48.50		81.3125	22.25	8.25	160.00
Sector C:	240.00	Deg	Leg C:	320.00	Deg	Ant _{1c}									72, 20
Sector D:		Deg	Leg D:		Deg	Ant _{2a}									
Climbing Facility Information						Ant _{2b}									
Location:		Deg	N/A			Ant _{2c}									
Climbing Facility	Corrosion Type:		N/A			Ant _{3a}									
	Access:		N/A			Ant _{3b}	(2)UNKNOWN-ANTEN	13.50	8.25	72.00		81.1667	88.00	13.00	200.00
	Condition:		N/A			Ant _{3c}									72, 21
						Ant _{4a}									
						Ant _{4b}									
						Ant _{4c}									
						Ant _{5a}									
						Ant _{5b}	UNKNOWN-ANTENN	9.50	7.75	48.50		81.3125	22.25	8.25	160.00
						Ant _{5c}									72
						Ant on Standoff	B66A RRH4X45	11.80	7.20	25.80			14.50		21
						Ant on Standoff	RFV01U-D2A	15.00	8.00	15.00			13.00		21
						Ant on Tower	B25 RRH 4X30	12.00	7.20	21.40			18.75		21
						Ant on Tower	CBC78T-DS-43-2X	6.90	9.60	6.40			-6.00		21
						Sector C									
						Ant _{1a}									
						Ant _{1b}	UNKNOWN-ANTENN	9.50	7.75	48.50		81.3125	22.25	8.25	240.00
						Ant _{1c}									79, 23
						Ant _{2a}									
						Ant _{2b}									
						Ant _{2c}									
						Ant _{3a}									
						Ant _{3b}	(2)UNKNOWN-ANTEN	13.50	8.25	72.00		81.1667	88.00	13.00	270.00
						Ant _{3c}									79, 24
						Ant _{4a}									
						Ant _{4b}									
						Ant _{4c}									
						Ant _{5a}									
						Ant _{5b}	UNKNOWN-ANTENN	9.50	7.75	48.50		81.3125	22.25	8.25	240.00
						Ant _{5c}									79, 24
						Ant on Standoff	B66A RRH4X45	11.80	7.20	25.80			14.50		23
						Ant on Standoff	RFV01U-D2A	15.00	8.00	15.00			13.00		23
						Ant on Tower	B25 RRH 4X30	12.00	7.20	21.40			18.75		24
						Ant on Tower	CBC78T-DS-43-2X	6.90	9.60	6.40			-6.00		24
						Sector D									
						Ant _{1a}									
						Ant _{1b}									
						Ant _{1c}									
						Ant _{2a}									
						Ant _{2b}									
						Ant _{2c}									
						Ant _{3a}									
						Ant _{3b}									
						Ant _{3c}									
						Ant _{4a}									
						Ant _{4b}									
						Ant _{4c}									
						Ant _{5a}									
						Ant _{5b}									
						Ant _{5c}									
						Ant on Standoff	RHSDC-3315-PF-48	15.75	10.25	18.50			-9.00		24, 245
						Ant on Standoff	RRFDC-3315-PF-48	15.75	10.25	18.50			1.50		24, 250
						Ant on Tower									
						Ant on Tower									



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	COAX TOTAL (20): (18) FH 7/8, (2) 1.5" Ø HYBRID	
2		
3		
4		
5		
6		
7		
8		

Mapping Notes

1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions

1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.



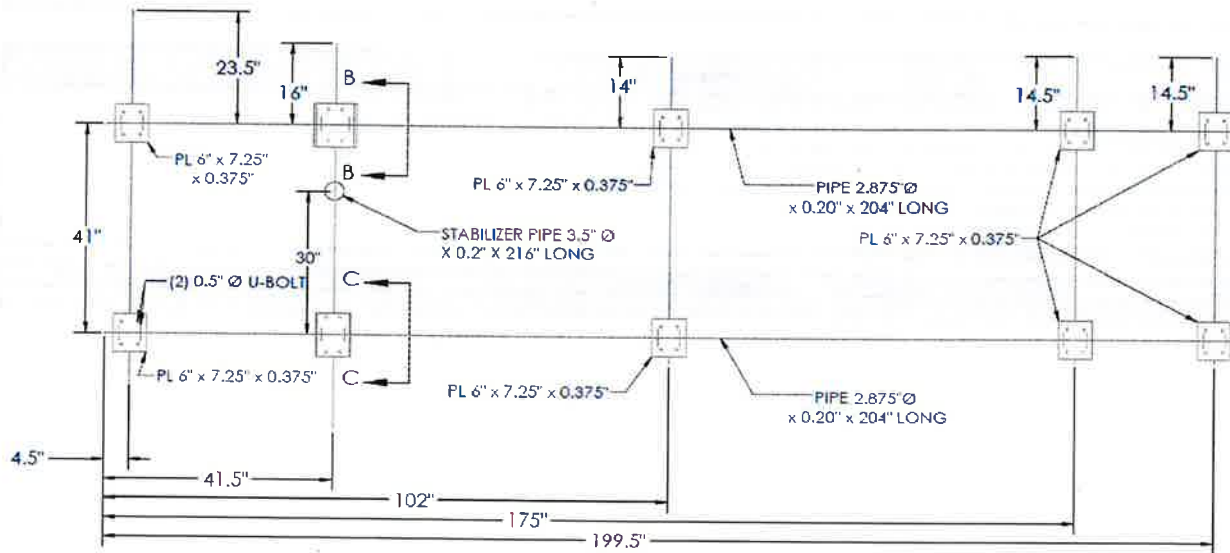
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

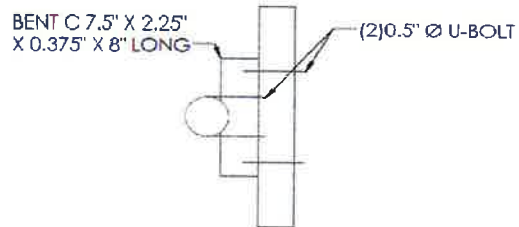
Tower Owner:	UNKNOWN	Mapping Date:	3/20/2021
Site Name:	VZW: STAMFORD W CT	Tower Type:	Self Support
Site Number or ID:	VZW: 468191	Tower Height (FL):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC.	Mount Elevation (FL):	80.25

This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

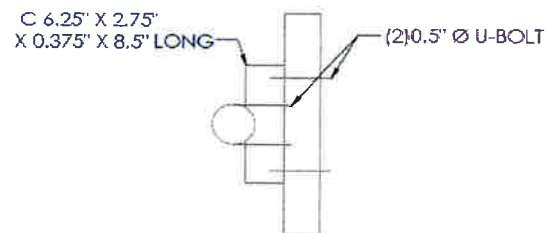
Please Insert Sketches of the Antenna Mount



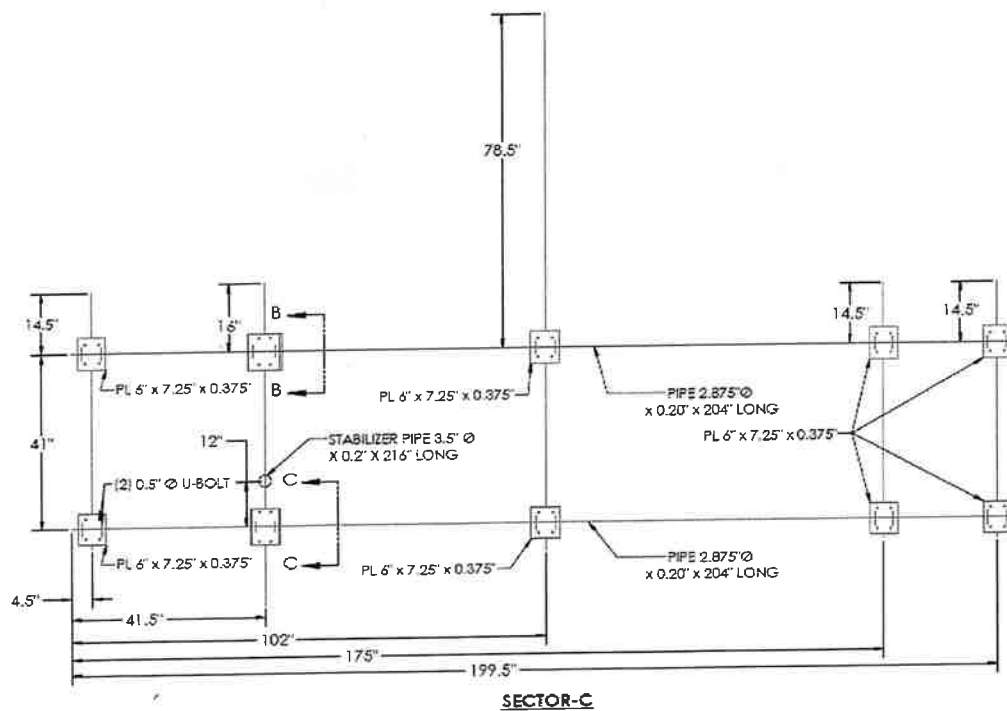
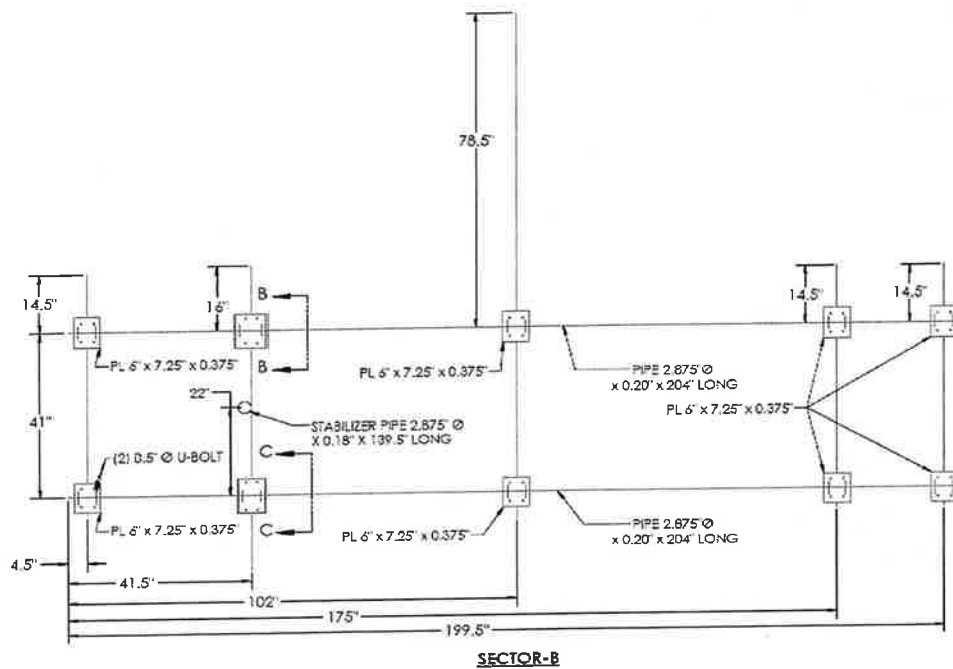
SECTOR-A



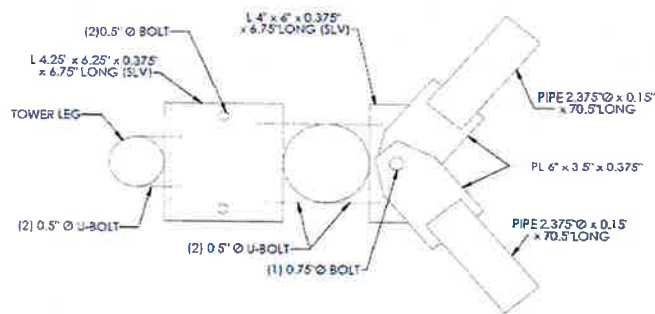
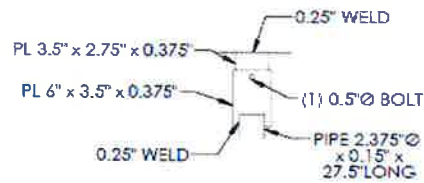
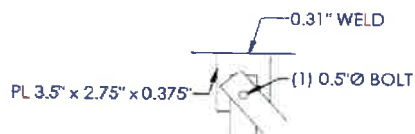
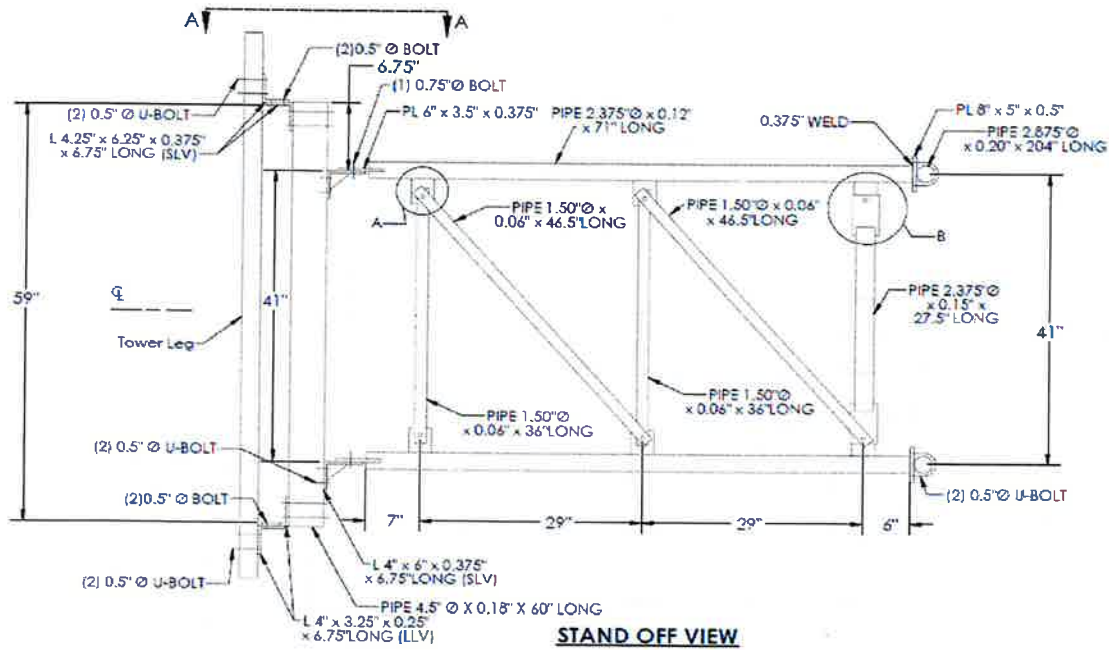
SECTION B-B



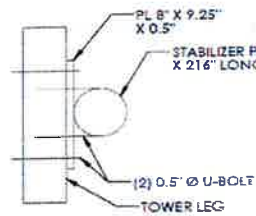
SECTION C-C



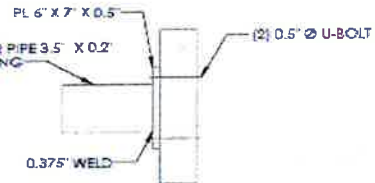
Please Insert Sketches of the Antenna Mount, cont'd



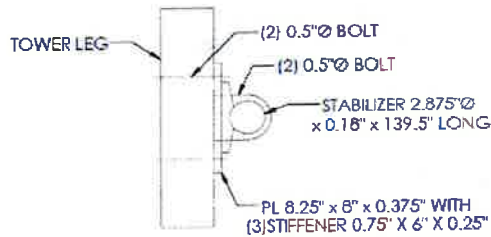
Please Insert Sketches of the Antenna Mount, cont'd



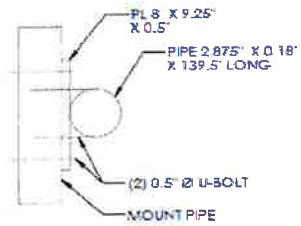
**STABILIZER(1) CONNECTION
TO TOWER**



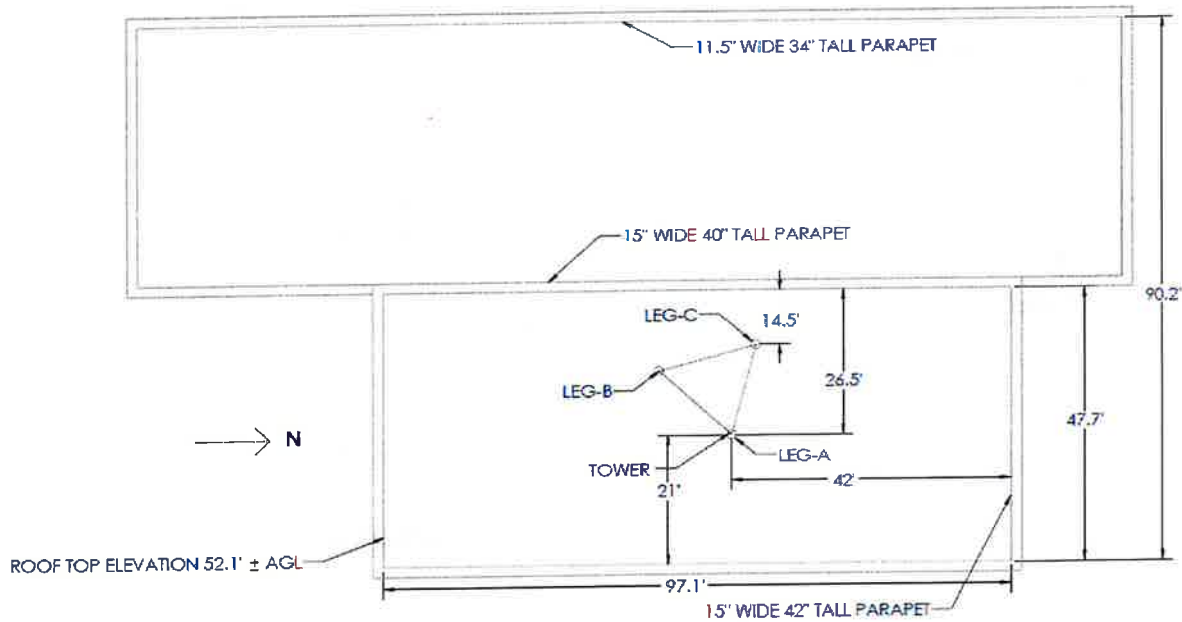
**STABILIZER(1) CONNECTION
ON MOUNT PIPE**



**STABILIZER(2) CONNECTION
ON TOWER**

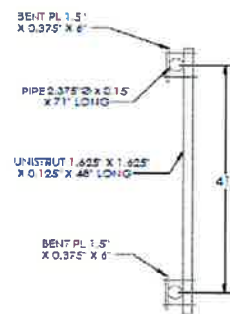
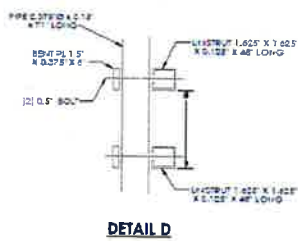
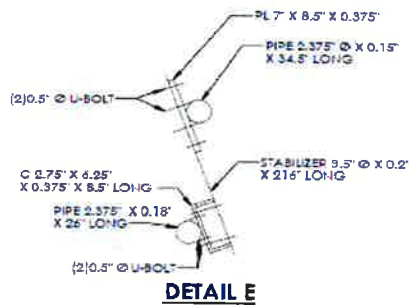
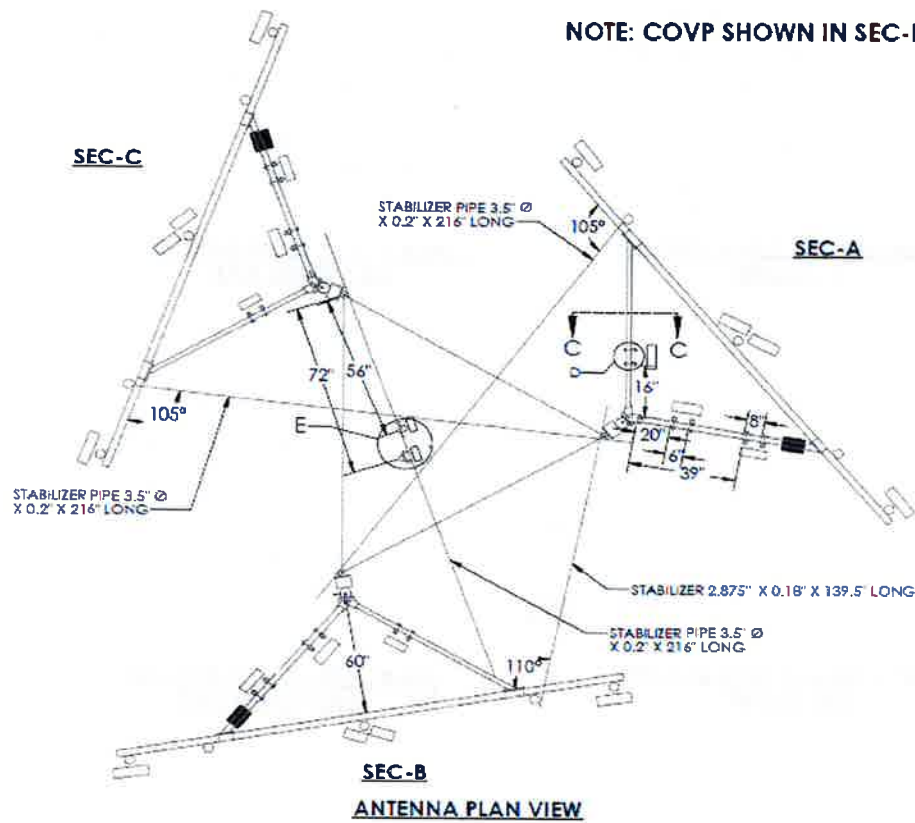


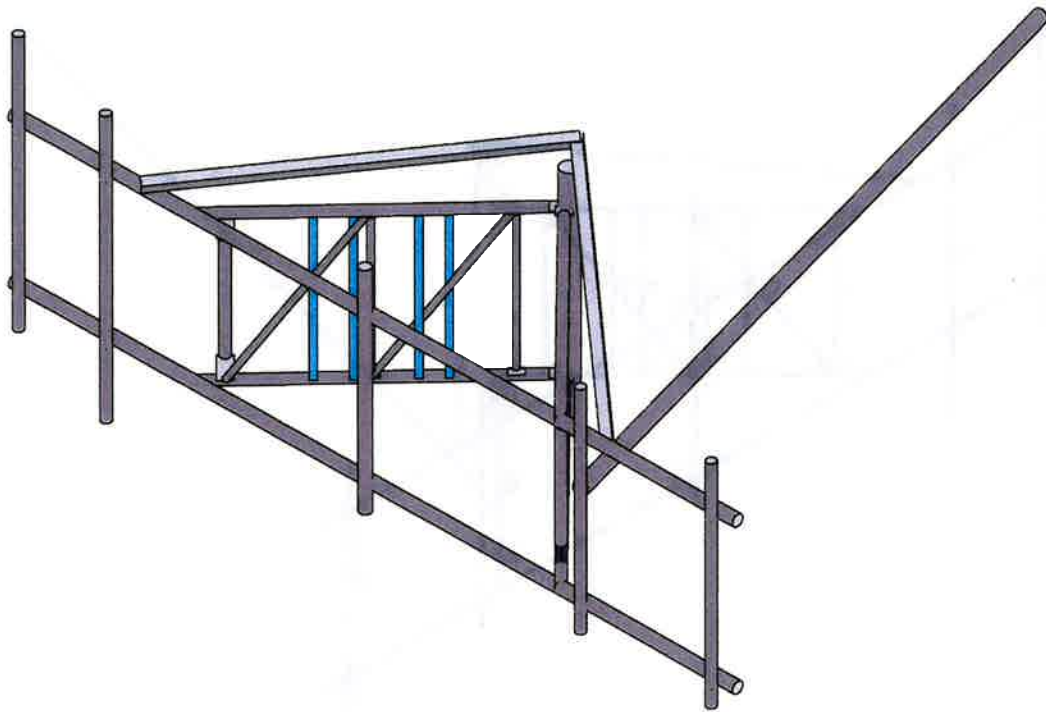
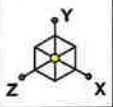
**STABILIZER(2) CONNECTION
ON MOUNT PIPE**



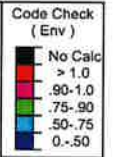
BUILDING PLAN VIEW

NOTE: COVP SHOWN IN SEC-D

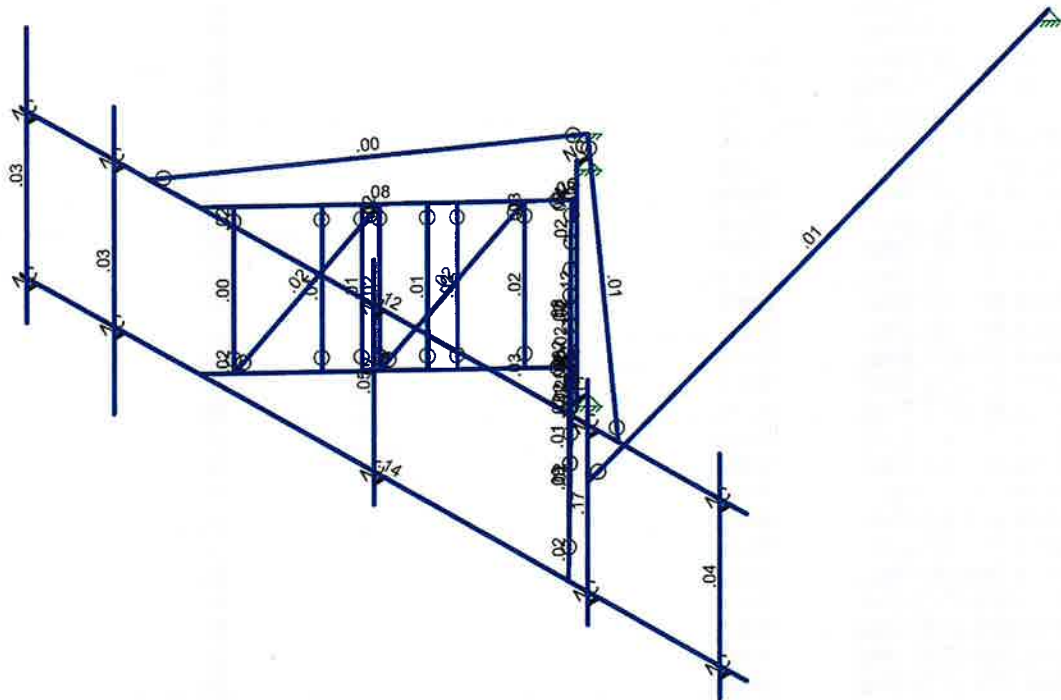
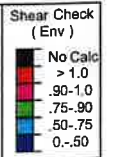
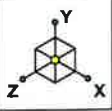




SK - 1
Aug 12, 2023 at 11:23 AM
5000386297-VZW_MT_LOT_A_H....



		SK - 2
		Aug 12, 2023 at 11:23 AM
		5000386297-VZW_MT_LOT_A_H....



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0W_o (0 Deg)

	SK - 3
	Aug 12, 2023 at 11:23 AM
	5000386297-VZW_MT_LOT_A_H....

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	DistributedArea(Me...	Surface(...
1	Antenna D	None					54		
2	Antenna Di	None					54		
3	Antenna Wo (0 Deg)	None					54		
4	Antenna Wo (30 Deg)	None					54		
5	Antenna Wo (60 Deg)	None					54		
6	Antenna Wo (90 Deg)	None					54		
7	Antenna Wo (120 Deg)	None					54		
8	Antenna Wo (150 Deg)	None					54		
9	Antenna Wo (180 Deg)	None					54		
10	Antenna Wo (210 Deg)	None					54		
11	Antenna Wo (240 Deg)	None					54		
12	Antenna Wo (270 Deg)	None					54		
13	Antenna Wo (300 Deg)	None					54		
14	Antenna Wo (330 Deg)	None					54		
15	Antenna Wi (0 Deg)	None					54		
16	Antenna Wi (30 Deg)	None					54		
17	Antenna Wi (60 Deg)	None					54		
18	Antenna Wi (90 Deg)	None					54		
19	Antenna Wi (120 Deg)	None					54		
20	Antenna Wi (150 Deg)	None					54		
21	Antenna Wi (180 Deg)	None					54		
22	Antenna Wi (210 Deg)	None					54		
23	Antenna Wi (240 Deg)	None					54		
24	Antenna Wi (270 Deg)	None					54		
25	Antenna Wi (300 Deg)	None					54		
26	Antenna Wi (330 Deg)	None					54		
27	Antenna Wm (0 Deg)	None					54		
28	Antenna Wm (30 Deg)	None					54		
29	Antenna Wm (60 Deg)	None					54		
30	Antenna Wm (90 Deg)	None					54		
31	Antenna Wm (120 Deg)	None					54		
32	Antenna Wm (150 Deg)	None					54		
33	Antenna Wm (180 Deg)	None					54		
34	Antenna Wm (210 Deg)	None					54		
35	Antenna Wm (240 Deg)	None					54		
36	Antenna Wm (270 Deg)	None					54		
37	Antenna Wm (300 Deg)	None					54		
38	Antenna Wm (330 Deg)	None					54		
39	Structure D	None		-1					
40	Structure Di	None						47	
41	Structure Wo (0 Deg)	None						94	
42	Structure Wo (30 Deg)	None						94	
43	Structure Wo (60 Deg)	None						94	
44	Structure Wo (90 Deg)	None						94	
45	Structure Wo (120 Deg)	None						94	
46	Structure Wo (150 Deg)	None						94	
47	Structure Wo (180 Deg)	None						94	
48	Structure Wo (210 Deg)	None						94	
49	Structure Wo (240 Deg)	None						94	
50	Structure Wo (270 Deg)	None						94	
51	Structure Wo (300 Deg)	None						94	
52	Structure Wo (330 Deg)	None						94	
53	Structure Wi (0 Deg)	None						94	
54	Structure Wi (30 Deg)	None						94	
55	Structure Wi (60 Deg)	None						94	
56	Structure Wi (90 Deg)	None						94	

Basic Load Cases (Continued)

BLC Description		Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	DistributedArea(Me...	Surface...
57	Structure Wi (120 Deg)	None						94	
58	Structure Wi (150 Deg)	None						94	
59	Structure Wi (180 Deg)	None						94	
60	Structure Wi (210 Deg)	None						94	
61	Structure Wi (240 Deg)	None						94	
62	Structure Wi (270 Deg)	None						94	
63	Structure Wi (300 Deg)	None						94	
64	Structure Wi (330 Deg)	None						94	
65	Structure Wm (0 Deg)	None						94	
66	Structure Wm (30 Deg)	None						94	
67	Structure Wm (60 Deg)	None						94	
68	Structure Wm (90 Deg)	None						94	
69	Structure Wm (120 Deg)	None						94	
70	Structure Wm (150 Deg)	None						94	
71	Structure Wm (180 Deg)	None						94	
72	Structure Wm (210 Deg)	None						94	
73	Structure Wm (240 Deg)	None						94	
74	Structure Wm (270 Deg)	None						94	
75	Structure Wm (300 Deg)	None						94	
76	Structure Wm (330 Deg)	None						94	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					54		
82	Antenna Eh (0 Deg)	None					36		
83	Antenna Eh (90 Deg)	None					36		
84	Structure Ev	ELY							
85	Structure Eh (0 Deg)	ELZ			-03				
86	Structure Eh (90 Deg)	ELX	.03						

Load Combinations

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	BLC Fa...	BLC Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1								
2	1.2D+1.0Wo (30 D...	Yes	Y		1	1.2	39	1.2	4	1	42	1								
3	1.2D+1.0Wo (60 D...	Yes	Y		1	1.2	39	1.2	5	1	43	1								
4	1.2D+1.0Wo (90 D...	Yes	Y		1	1.2	39	1.2	6	1	44	1								
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1								
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1								
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1								
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1								
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1								
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1								
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1								
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1								
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1				
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1				

Load Combinations (Continued)

[illegible]



Company
Designer
Job Number
Model Name

Aug 12, 2023
12:20 PM
Checked By: _____

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	0	3.416667	0	0	
3	N3	0	3.416667	.125	0	
4	N4	0	0	.125	0	
5	N5	-4.333333	3.416667	4.541667	0	
6	N6	4.333333	3.416667	4.541667	0	
7	N7	-8.5	3.416667	4.541667	0	
8	N8	8.5	3.416667	4.541667	0	
9	N9	-4.333333	0	4.541667	0	
10	N10	4.333333	0	4.541667	0	
11	N11	-8.5	0	4.541667	0	
12	N12	8.5	0	4.541667	0	
13	N13	-0.175085	3.416667	0.303452	0	
14	N14	0.175085	3.416667	0.303452	0	
15	N15	-0.175085	0	0.303452	0	
16	N16	0.175085	0	0.303452	0	
17	N17	0.554436	3.416667	0.690099	0	
18	N18	0.554436	0	0.690099	0	
19	N19	2.246926	3.416667	2.415136	0	
20	N20	2.246926	0	2.415136	0	
21	N21	3.939416	3.416667	4.140174	0	
22	N22	3.939416	0	4.140174	0	
23	N23	0.554436	.125	0.690099	0	
24	N24	2.246926	.125	2.415136	0	
25	N25	0.554436	3.291667	0.690099	0	
26	N26	2.246926	3.291667	2.415136	0	
27	N27	3.939416	.5	4.140174	0	
28	N28	3.939416	2.916667	4.140174	0	
29	N29	-0.554436	3.416667	0.690099	0	
30	N30	-0.554436	0	0.690099	0	
31	N31	-2.246926	3.416667	2.415136	0	
32	N32	-2.246926	0	2.415136	0	
33	N33	-3.939416	3.416667	4.140174	0	
34	N34	-3.939416	0	4.140174	0	
35	N35	-0.554436	.125	0.690099	0	
36	N36	-2.246926	.125	2.415136	0	
37	N37	-0.554436	3.291667	0.690099	0	
38	N38	-2.246926	3.291667	2.415136	0	
39	N39	-3.939416	.5	4.140174	0	
40	N40	-3.939416	2.916667	4.140174	0	
41	N41	8.125	3.416667	4.541667	0	
42	N42	8.125	0	4.541667	0	
43	N43	5.041667	3.416667	4.541667	0	
44	N44	5.041667	0	4.541667	0	
45	N45	0	3.416667	4.541667	0	
46	N46	0	0	4.541667	0	
47	N47	-6.083333	3.416667	4.541667	0	
48	N48	-6.083333	0	4.541667	0	
49	N49	-8.125	3.416667	4.541667	0	
50	N50	-8.125	0	4.541667	0	
51	N51	8.125	3.416667	4.791667	0	
52	N52	8.125	0	4.791667	0	
53	N53	5.041667	3.416667	4.791667	0	
54	N54	5.041667	0	4.791667	0	
55	N55	0	3.416667	4.791667	0	
56	N56	0	0	4.791667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N57	-6.083333	3.416667	4.791667	0	
58	N58	-6.083333	0	4.791667	0	
59	N59	-8.125	3.416667	4.791667	0	
60	N60	-8.125	0	4.791667	0	
61	N61	8.125	4.583333	4.791667	0	
62	N62	5.041667	4.583333	4.791667	0	
63	N63	0	4.583333	4.791667	0	
64	N64	8.125	-0.416667	4.791667	0	
65	N65	5.041667	-0.416667	4.791667	0	
66	N66	0	-0.416667	4.791667	0	
67	N67	0	4.166667	0	0	
68	N68	0	-0.833333	0	0	
69	N69	0	4.083333	0	0	
70	N70	0	-.75	0	0	
71	N71	0	4.083333	-.25	0	
72	N72	0	-.75	-.25	0	
73	N73	5.041667	2.5	4.791667	0	
74	N74	1.108873	3.416667	1.255197	0	
75	N75	1.108873	0	1.255197	0	
76	N76	-1.34232	3.416667	1.493133	0	
77	N77	-1.34232	0	1.493133	0	
78	N78	-1.69249	3.416667	1.850038	0	
79	N79	-1.69249	0	1.850038	0	
80	N80	1.634128	3.416667	1.790554	0	
81	N81	1.634128	0	1.790554	0	
82	N82	-2.451192	3.416667	2.623331	0	
83	N83	-2.451192	0	2.623331	0	
84	N84	-2.918086	3.416667	3.099203	0	
85	N85	-2.918086	0	3.099203	0	
86	N86	-6.083333	4.75	4.791667	0	
87	N87	-6.083333	-1.541667	4.791667	0	
88	N88	-8.125	5.375	4.791667	0	
89	N89	-8.125	-0.666667	4.791667	0	
90	N90	0.893346	2.5	-10.210996	0	
91	N91	-5.5	3.416667	4.541667	0	
92	N92	5.5	3.416667	4.541667	0	
93	N93	0	4.583333	-.25	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
2	Standoff Horizontal	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Standoff Vertical	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Diagonal	HSS1.5X0.06	Beam	Pipe	A53 Gr. B	Typical	.271	.07	.07	.141
5	Standoff Bar	PL3/8x3.5	Beam	RECT	A36 Gr.36	Typical	1.313	.015	1.34	.057
6	Standoff Pipe	PIPE 4.0	Beam	Pipe	A36 Gr.36	Typical	2.96	6.82	6.82	13.6
7	Tieback	PIPE 3.0	Beam	Pipe	A36 Gr.36	Typical	2.07	2.85	2.85	5.69
8	Unistrut	L2x2x3	None	None	A36 Gr.36	Typical	.722	.271	.271	.009
9	Antenna Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
10	Large Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
11	Modification_V-Brace	L2.5x2.5x4	Beam	RECT	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3

Cold Formed Steel Section Sets

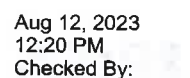
	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Unistrut	1.625CS1.625x125	None	None	Reduced_A570Gr.33	Typical	.6	.184	.25	.003

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Fu[ksi]
1	A570 Gr.33	29500	11346	.3	.65	.49	33	52
2	Reduced_A570Gr.33	29500	11346	.3	.65	.49	28.05	44.2
3	A607 C1 Gr.55	29500	11346	.3	.65	.49	55	70

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N11	N12			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
2	M2	N7	N8			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
3	M3	N13	N5			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
4	M4	N14	N6			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
5	M5	N15	N9			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
6	M6	N16	N10			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
7	M7	N27	N28	N3		Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
8	M8	N39	N40	N3		Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
9	M9	N17	N20		90	Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
10	M10	N19	N22		90	Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
11	M11	N25	N23	N3		Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
12	M12	N26	N24	N3		Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
13	M13	N29	N32		90	Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
14	M14	N31	N34		90	Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
15	M15	N37	N35	N3		Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
16	M16	N38	N36	N3		Standoff Diagonal	Beam	Pipe	A53 Gr. B	Typical
17	M17	N3	N13		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
18	M18	N3	N14		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
19	M19	N4	N15		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
20	M20	N4	N16		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
21	M21	N17	N25	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
22	M22	N19	N26	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
23	M23	N22	N27	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
24	M24	N23	N18	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
25	M25	N24	N20	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
26	M26	N28	N21	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
27	M27	N29	N37	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
28	M28	N31	N38	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
29	M29	N34	N39	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
30	M30	N35	N30	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
31	M31	N36	N32	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
32	M32	N40	N33	N3		Standoff Bar	Beam	RECT	A36 Gr.36	Typical



	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
33	M33	N67	N68			Standoff Pipe	Beam	Pipe	A36 Gr.36	Typical
34	M34	N73	N90			Tieback	Beam	Pipe	A36 Gr.36	Typical
35	M35	N80	N81		45	Unistrut	None	None	Reduced ...	Typical
36	M36	N74	N75		45	Unistrut	None	None	Reduced ...	Typical
37	M37	N76	N77		315	Unistrut	None	None	Reduced ...	Typical
38	M38	N78	N79		315	Unistrut	None	None	Reduced ...	Typical
39	M39	N82	N83		315	Unistrut	None	None	Reduced ...	Typical
40	M40	N84	N85		315	Unistrut	None	None	Reduced ...	Typical
41	MP1A	N61	N64			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
42	MP2A	N62	N65			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
43	MP3A	N63	N66			Large Mount Pipe	Column	Pipe	A53 Gr. B	Typical
44	MP4A	N86	N87			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
45	MP5A	N88	N89			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
46	M46	N3	N2			RIGID	None	None	RIGID	Typical
47	M47	N42	N52			RIGID	None	None	RIGID	Typical
48	M48	N41	N51			RIGID	None	None	RIGID	Typical
49	M49	N44	N54			RIGID	None	None	RIGID	Typical
50	M50	N43	N53			RIGID	None	None	RIGID	Typical
51	M51	N46	N56			RIGID	None	None	RIGID	Typical
52	M52	N45	N55			RIGID	None	None	RIGID	Typical
53	M53	N48	N58			RIGID	None	None	RIGID	Typical
54	M54	N47	N57			RIGID	None	None	RIGID	Typical
55	M55	N50	N60			RIGID	None	None	RIGID	Typical
56	M56	N4	N1			RIGID	None	None	RIGID	Typical
57	M57	N49	N59			RIGID	None	None	RIGID	Typical
58	M58	N70	N72			RIGID	None	None	RIGID	Typical
59	M59	N69	N71			RIGID	None	None	RIGID	Typical
60	M60	N91	N93			Modification_V-Bra...	Beam	RECT	A36 Gr.36	Typical
61	M61	N92	N93		270	Modification_V-Bra...	Beam	RECT	A36 Gr.36	Typical

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...A...	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	BenPIN	BenPIN				Yes	Default		None
10	M10	BenPIN	BenPIN				Yes	Default		None
11	M11						Yes			None
12	M12						Yes			None
13	M13	BenPIN	BenPIN				Yes			None
14	M14	BenPIN	BenPIN				Yes			None
15	M15						Yes			None
16	M16						Yes			None
17	M17	BenPIN					Yes	Default		None
18	M18	BenPIN					Yes	Default		None
19	M19	BenPIN					Yes	Default		None
20	M20	BenPIN					Yes	Default		None
21	M21	OOOOOX					Yes			None
22	M22	OOOOOX					Yes			None
23	M23	OOOOOX					Yes			None



Company :
 Designer :
 Job Number :
 Model Name :

Aug 12, 2023
 12:20 PM
 Checked By: _____

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...A...	Inactive	Seismic...
24	M24		000000				Yes			None
25	M25		000000				Yes			None
26	M26		000000				Yes	Default		None
27	M27	00000X					Yes			None
28	M28	00000X					Yes			None
29	M29	00000X					Yes			None
30	M30		000000				Yes			None
31	M31		000000				Yes			None
32	M32		000000				Yes			None
33	M33						Yes			None
34	M34	0000X0					Yes			None
35	M35	BenPIN	BenPIN				Yes	** NA **		None
36	M36	BenPIN	BenPIN				Yes	** NA **		None
37	M37	BenPIN	BenPIN				Yes	** NA **		None
38	M38	BenPIN	BenPIN				Yes	** NA **		None
39	M39	BenPIN	BenPIN				Yes	** NA **		None
40	M40	BenPIN	BenPIN				Yes	** NA **		None
41	MP1A						Yes	** NA **		None
42	MP2A						Yes	** NA **		None
43	MP3A						Yes	** NA **		None
44	MP4A						Yes	** NA **		None
45	MP5A						Yes	** NA **		None
46	M46						Yes	** NA **		None
47	M47						Yes	** NA **		None
48	M48						Yes	** NA **		None
49	M49						Yes	** NA **		None
50	M50						Yes	** NA **		None
51	M51						Yes	** NA **		None
52	M52						Yes	** NA **		None
53	M53						Yes	** NA **		None
54	M54						Yes	** NA **		None
55	M55						Yes	** NA **		None
56	M56						Yes	** NA **		None
57	M57						Yes	** NA **		None
58	M58						Yes	** NA **		None
59	M59						Yes	** NA **		None
60	M60	BenPIN	BenPIN				Yes			None
61	M61	BenPIN	BenPIN				Yes			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-8.8	2.25
2	MP3A	My	.007	2.25
3	MP3A	Mz	-.006	2.25
4	MP3A	Y	-8.8	3.25
5	MP3A	My	.007	3.25
6	MP3A	Mz	-.006	3.25
7	MP3A	Y	-8.8	2.25
8	MP3A	My	.009	2.25
9	MP3A	Mz	-.000253	2.25
10	MP3A	Y	-8.8	3.25
11	MP3A	My	.009	3.25
12	MP3A	Mz	-.000253	3.25
13	MP1A	Y	-16.55	1.5
14	MP1A	My	-.008	1.5

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
14	MP1A	My	-.008	1.5
15	MP1A	Mz	.003	1.5
16	MP1A	Y	-15.972	2.5
17	MP1A	My	-.008	2.5
18	MP1A	Mz	.003	2.5
19	MP3A	Y	-65.983	.5
20	MP3A	My	-.03	.5
21	MP3A	Mz	.063	.5
22	MP3A	Y	-65.983	4.5
23	MP3A	My	-.03	4.5
24	MP3A	Mz	.063	4.5
25	MP3A	Y	-65.983	.5
26	MP3A	My	-.063	.5
27	MP3A	Mz	-.03	.5
28	MP3A	Y	-65.983	4.5
29	MP3A	My	-.063	4.5
30	MP3A	Mz	-.03	4.5
31	MP2A	Y	-33.561	.5
32	MP2A	My	-.016	.5
33	MP2A	Mz	.006	.5
34	MP2A	Y	-33.561	1.5
35	MP2A	My	-.016	1.5
36	MP2A	Mz	.006	1.5
37	MP2A	Y	-12.579	4.5
38	MP2A	My	-.006	4.5
39	MP2A	Mz	.002	4.5
40	M35	Y	-11.921	1.5
41	M35	My	0	1.5
42	M35	Mz	0	1.5
43	M36	Y	-11.921	1.5
44	M36	My	0	1.5
45	M36	Mz	0	1.5
46	M37	Y	-10.795	1.5
47	M37	My	0	1.5
48	M37	Mz	0	1.5
49	M38	Y	-10.795	1.5
50	M38	My	0	1.5
51	M38	Mz	0	1.5
52	M3	Y	-10.041	4.5
53	M3	My	0	4.5
54	M3	Mz	0	4.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.25
2	MP3A	Z	-12.245	2.25
3	MP3A	Mx	.008	2.25
4	MP3A	X	0	3.25
5	MP3A	Z	-12.245	3.25
6	MP3A	Mx	.008	3.25
7	MP3A	X	0	2.25
8	MP3A	Z	-12.245	2.25
9	MP3A	Mx	.000353	2.25
10	MP3A	X	0	3.25
11	MP3A	Z	-12.245	3.25
12	MP3A	Mx	.000353	3.25



Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

RISA-3D Version 17.0.4 [\\...\\RISA\\5000386297-VZW_MT_LOT_A_H.r3d] Page 11



Company :
 Designer :
 Job Number :
 Model Name :

Aug 12, 2023
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Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP3A	Mx	.004	3.25
13	MP1A	X	7.184	1.5
14	MP1A	Z	-12.443	1.5
15	MP1A	Mx	-.006	1.5
16	MP1A	X	7.184	2.5
17	MP1A	Z	-12.443	2.5
18	MP1A	Mx	-.006	2.5
19	MP3A	X	50.517	.5
20	MP3A	Z	-87.498	.5
21	MP3A	Mx	-.107	.5
22	MP3A	X	50.517	4.5
23	MP3A	Z	-87.498	4.5
24	MP3A	Mx	-.107	4.5
25	MP3A	X	50.517	.5
26	MP3A	Z	-87.498	.5
27	MP3A	Mx	-.009	.5
28	MP3A	X	50.517	4.5
29	MP3A	Z	-87.498	4.5
30	MP3A	Mx	-.009	4.5
31	MP2A	X	16.747	.5
32	MP2A	Z	-29.007	.5
33	MP2A	Mx	-.013	.5
34	MP2A	X	16.747	1.5
35	MP2A	Z	-29.007	1.5
36	MP2A	Mx	-.013	1.5
37	MP2A	X	6.529	4.5
38	MP2A	Z	-11.309	4.5
39	MP2A	Mx	-.005	4.5
40	M35	X	16.214	1.5
41	M35	Z	-28.083	1.5
42	M35	Mx	0	1.5
43	M36	X	16.214	1.5
44	M36	Z	-28.083	1.5
45	M36	Mx	0	1.5
46	M37	X	14.235	1.5
47	M37	Z	-24.655	1.5
48	M37	Mx	0	1.5
49	M38	X	14.235	1.5
50	M38	Z	-24.655	1.5
51	M38	Mx	0	1.5
52	M3	X	3.951	4.5
53	M3	Z	-6.843	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	3.744	2.25
2	MP3A	Z	-2.162	2.25
3	MP3A	Mx	.005	2.25
4	MP3A	X	3.744	3.25
5	MP3A	Z	-2.162	3.25
6	MP3A	Mx	.005	3.25
7	MP3A	X	3.744	2.25
8	MP3A	Z	-2.162	2.25
9	MP3A	Mx	.004	2.25
10	MP3A	X	3.744	3.25

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP3A	Z	-2.162	3.25
12	MP3A	Mx	.004	3.25
13	MP1A	X	10.831	1.5
14	MP1A	Z	-6.253	1.5
15	MP1A	Mx	-.006	1.5
16	MP1A	X	10.831	2.5
17	MP1A	Z	-6.253	2.5
18	MP1A	Mx	-.006	2.5
19	MP3A	X	73.095	.5
20	MP3A	Z	-42.201	.5
21	MP3A	Mx	-.073	.5
22	MP3A	X	73.095	4.5
23	MP3A	Z	-42.201	4.5
24	MP3A	Mx	-.073	4.5
25	MP3A	X	73.095	.5
26	MP3A	Z	-42.201	.5
27	MP3A	Mx	-.051	.5
28	MP3A	X	73.095	4.5
29	MP3A	Z	-42.201	4.5
30	MP3A	Mx	-.051	4.5
31	MP2A	X	17.168	.5
32	MP2A	Z	-9.912	.5
33	MP2A	Mx	-.01	.5
34	MP2A	X	17.168	1.5
35	MP2A	Z	-9.912	1.5
36	MP2A	Mx	-.01	1.5
37	MP2A	X	4.717	4.5
38	MP2A	Z	-2.723	4.5
39	MP2A	Mx	-.003	4.5
40	M35	X	25.016	1.5
41	M35	Z	-14.443	1.5
42	M35	Mx	0	1.5
43	M36	X	25.016	1.5
44	M36	Z	-14.443	1.5
45	M36	Mx	0	1.5
46	M37	X	20.446	1.5
47	M37	Z	-11.804	1.5
48	M37	Mx	0	1.5
49	M38	X	20.446	1.5
50	M38	Z	-11.804	1.5
51	M38	Mx	0	1.5
52	M3	X	6.158	4.5
53	M3	Z	-3.555	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	5.13	2.25
2	MP3A	Z	0	2.25
3	MP3A	Mx	.004	2.25
4	MP3A	X	5.13	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.004	3.25
7	MP3A	X	5.13	2.25
8	MP3A	Z	0	2.25
9	MP3A	Mx	.005	2.25

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
10	MP3A	X	5.13	3.25
11	MP3A	Z	0	3.25
12	MP3A	Mx	.005	3.25
13	MP1A	X	12.928	1.5
14	MP1A	Z	0	1.5
15	MP1A	Mx	-.006	1.5
16	MP1A	X	12.928	2.5
17	MP1A	Z	0	2.5
18	MP1A	Mx	-.006	2.5
19	MP3A	X	88.173	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.04	.5
22	MP3A	X	88.173	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	-.04	4.5
25	MP3A	X	88.173	.5
26	MP3A	Z	0	.5
27	MP3A	Mx	-.085	.5
28	MP3A	X	88.173	4.5
29	MP3A	Z	0	4.5
30	MP3A	Mx	-.085	4.5
31	MP2A	X	22.923	.5
32	MP2A	Z	0	.5
33	MP2A	Mx	-.011	.5
34	MP2A	X	22.923	1.5
35	MP2A	Z	0	1.5
36	MP2A	Mx	-.011	1.5
37	MP2A	X	7.172	4.5
38	MP2A	Z	0	4.5
39	MP2A	Mx	-.003	4.5
40	M35	X	32.427	1.5
41	M35	Z	0	1.5
42	M35	Mx	0	1.5
43	M36	X	32.427	1.5
44	M36	Z	0	1.5
45	M36	Mx	0	1.5
46	M37	X	28.469	1.5
47	M37	Z	0	1.5
48	M37	Mx	0	1.5
49	M38	X	28.469	1.5
50	M38	Z	0	1.5
51	M38	Mx	0	1.5
52	M3	X	7.902	4.5
53	M3	Z	0	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	8.222	2.25
2	MP3A	Z	4.747	2.25
3	MP3A	Mx	.004	2.25
4	MP3A	X	8.222	3.25
5	MP3A	Z	4.747	3.25
6	MP3A	Mx	.004	3.25
7	MP3A	X	8.222	2.25
8	MP3A	Z	4.747	2.25

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
8	MP3A	Z	11.303	2.25
9	MP3A	Mx	.007	2.25
10	MP3A	X	6.526	3.25
11	MP3A	Z	11.303	3.25
12	MP3A	Mx	.007	3.25
13	MP1A	X	8.537	1.5
14	MP1A	Z	14.786	1.5
15	MP1A	Mx	-.001	1.5
16	MP1A	X	8.537	2.5
17	MP1A	Z	14.786	2.5
18	MP1A	Mx	-.001	2.5
19	MP3A	X	62.603	.5
20	MP3A	Z	108.431	.5
21	MP3A	Mx	.076	.5
22	MP3A	X	62.603	4.5
23	MP3A	Z	108.431	4.5
24	MP3A	Mx	.076	4.5
25	MP3A	X	62.603	.5
26	MP3A	Z	108.431	.5
27	MP3A	Mx	-.109	.5
28	MP3A	X	62.603	4.5
29	MP3A	Z	108.431	4.5
30	MP3A	Mx	-.109	4.5
31	MP2A	X	26.681	.5
32	MP2A	Z	46.214	.5
33	MP2A	Mx	-.005	.5
34	MP2A	X	26.681	1.5
35	MP2A	Z	46.214	1.5
36	MP2A	Mx	-.005	1.5
37	MP2A	X	12.06	4.5
38	MP2A	Z	20.889	4.5
39	MP2A	Mx	-.002	4.5
40	M35	X	21.526	1.5
41	M35	Z	37.283	1.5
42	M35	Mx	0	1.5
43	M36	X	21.526	1.5
44	M36	Z	37.283	1.5
45	M36	Mx	0	1.5
46	M37	X	21.526	1.5
47	M37	Z	37.283	1.5
48	M37	Mx	0	1.5
49	M38	X	21.526	1.5
50	M38	Z	37.283	1.5
51	M38	Mx	0	1.5
52	M3	X	5.138	4.5
53	M3	Z	8.9	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	2.25
2	MP3A	Z	12.245	2.25
3	MP3A	Mx	-.008	2.25
4	MP3A	X	0	3.25
5	MP3A	Z	12.245	3.25
6	MP3A	Mx	-.008	3.25

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
7	MP3A	X	0	2.25
8	MP3A	Z	12.245	2.25
9	MP3A	Mx	-.000353	2.25
10	MP3A	X	0	3.25
11	MP3A	Z	12.245	3.25
12	MP3A	Mx	-.000353	3.25
13	MP1A	X	0	1.5
14	MP1A	Z	16.652	1.5
15	MP1A	Mx	.003	1.5
16	MP1A	X	0	2.5
17	MP1A	Z	16.652	2.5
18	MP1A	Mx	.003	2.5
19	MP3A	X	0	.5
20	MP3A	Z	121.436	.5
21	MP3A	Mx	.117	.5
22	MP3A	X	0	4.5
23	MP3A	Z	121.436	4.5
24	MP3A	Mx	.117	4.5
25	MP3A	X	0	.5
26	MP3A	Z	121.436	.5
27	MP3A	Mx	-.054	.5
28	MP3A	X	0	4.5
29	MP3A	Z	121.436	4.5
30	MP3A	Mx	-.054	4.5
31	MP2A	X	0	.5
32	MP2A	Z	50.264	.5
33	MP2A	Mx	.009	.5
34	MP2A	X	0	1.5
35	MP2A	Z	50.264	1.5
36	MP2A	Mx	.009	1.5
37	MP2A	X	0	4.5
38	MP2A	Z	22.395	4.5
39	MP2A	Mx	.004	4.5
40	M35	X	0	1.5
41	M35	Z	39.51	1.5
42	M35	Mx	0	1.5
43	M36	X	0	1.5
44	M36	Z	39.51	1.5
45	M36	Mx	0	1.5
46	M37	X	0	1.5
47	M37	Z	38.191	1.5
48	M37	Mx	0	1.5
49	M38	X	0	1.5
50	M38	Z	38.191	1.5
51	M38	Mx	0	1.5
52	M3	X	0	4.5
53	M3	Z	9.485	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.941	2.25
2	MP3A	Z	6.825	2.25
3	MP3A	Mx	- .008	2.25
4	MP3A	X	-3.941	3.25
5	MP3A	Z	6.825	3.25

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP3A	Mx	-.008	3.25
7	MP3A	X	-3.941	2.25
8	MP3A	Z	6.825	2.25
9	MP3A	Mx	-.004	2.25
10	MP3A	X	-3.941	3.25
11	MP3A	Z	6.825	3.25
12	MP3A	Mx	-.004	3.25
13	MP1A	X	-7.184	1.5
14	MP1A	Z	12.443	1.5
15	MP1A	Mx	.006	1.5
16	MP1A	X	-7.184	2.5
17	MP1A	Z	12.443	2.5
18	MP1A	Mx	.006	2.5
19	MP3A	X	-50.517	.5
20	MP3A	Z	87.498	.5
21	MP3A	Mx	.107	.5
22	MP3A	X	-50.517	4.5
23	MP3A	Z	87.498	4.5
24	MP3A	Mx	.107	4.5
25	MP3A	X	-50.517	.5
26	MP3A	Z	87.498	.5
27	MP3A	Mx	.009	.5
28	MP3A	X	-50.517	4.5
29	MP3A	Z	87.498	4.5
30	MP3A	Mx	.009	4.5
31	MP2A	X	-16.747	.5
32	MP2A	Z	29.007	.5
33	MP2A	Mx	.013	.5
34	MP2A	X	-16.747	1.5
35	MP2A	Z	29.007	1.5
36	MP2A	Mx	.013	1.5
37	MP2A	X	-6.529	4.5
38	MP2A	Z	11.309	4.5
39	MP2A	Mx	.005	4.5
40	M35	X	-16.214	1.5
41	M35	Z	28.083	1.5
42	M35	Mx	0	1.5
43	M36	X	-16.214	1.5
44	M36	Z	28.083	1.5
45	M36	Mx	0	1.5
46	M37	X	-14.235	1.5
47	M37	Z	24.655	1.5
48	M37	Mx	0	1.5
49	M38	X	-14.235	1.5
50	M38	Z	24.655	1.5
51	M38	Mx	0	1.5
52	M3	X	-3.951	4.5
53	M3	Z	6.843	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.744	2.25
2	MP3A	Z	2.162	2.25
3	MP3A	Mx	-.005	2.25
4	MP3A	X	-3.744	3.25

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
5	MP3A	Z	2.162	3.25
6	MP3A	Mx	-.005	3.25
7	MP3A	X	-3.744	2.25
8	MP3A	Z	2.162	2.25
9	MP3A	Mx	-.004	2.25
10	MP3A	X	-3.744	3.25
11	MP3A	Z	2.162	3.25
12	MP3A	Mx	-.004	3.25
13	MP1A	X	-10.831	1.5
14	MP1A	Z	6.253	1.5
15	MP1A	Mx	.006	1.5
16	MP1A	X	-10.831	2.5
17	MP1A	Z	6.253	2.5
18	MP1A	Mx	.006	2.5
19	MP3A	X	-73.095	.5
20	MP3A	Z	42.201	.5
21	MP3A	Mx	.073	.5
22	MP3A	X	-73.095	4.5
23	MP3A	Z	42.201	4.5
24	MP3A	Mx	.073	4.5
25	MP3A	X	-73.095	.5
26	MP3A	Z	42.201	.5
27	MP3A	Mx	.051	.5
28	MP3A	X	-73.095	4.5
29	MP3A	Z	42.201	4.5
30	MP3A	Mx	.051	4.5
31	MP2A	X	-17.168	.5
32	MP2A	Z	9.912	.5
33	MP2A	Mx	.01	.5
34	MP2A	X	-17.168	1.5
35	MP2A	Z	9.912	1.5
36	MP2A	Mx	.01	1.5
37	MP2A	X	-4.717	4.5
38	MP2A	Z	2.723	4.5
39	MP2A	Mx	.003	4.5
40	M35	X	-25.016	1.5
41	M35	Z	14.443	1.5
42	M35	Mx	0	1.5
43	M36	X	-25.016	1.5
44	M36	Z	14.443	1.5
45	M36	Mx	0	1.5
46	M37	X	-20.446	1.5
47	M37	Z	11.804	1.5
48	M37	Mx	0	1.5
49	M38	X	-20.446	1.5
50	M38	Z	11.804	1.5
51	M38	Mx	0	1.5
52	M3	X	-6.158	4.5
53	M3	Z	3.555	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-5.13	2.25
2	MP3A	Z	0	2.25
3	MP3A	Mx	- .004	2.25

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
4	MP3A	X	-5.13	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.004	3.25
7	MP3A	X	-5.13	2.25
8	MP3A	Z	0	2.25
9	MP3A	Mx	-.005	2.25
10	MP3A	X	-5.13	3.25
11	MP3A	Z	0	3.25
12	MP3A	Mx	-.005	3.25
13	MP1A	X	-12.928	1.5
14	MP1A	Z	0	1.5
15	MP1A	Mx	.006	1.5
16	MP1A	X	-12.928	2.5
17	MP1A	Z	0	2.5
18	MP1A	Mx	.006	2.5
19	MP3A	X	-88.173	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.04	.5
22	MP3A	X	-88.173	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	.04	4.5
25	MP3A	X	-88.173	.5
26	MP3A	Z	0	.5
27	MP3A	Mx	.085	.5
28	MP3A	X	-88.173	4.5
29	MP3A	Z	0	4.5
30	MP3A	Mx	.085	4.5
31	MP2A	X	-22.923	.5
32	MP2A	Z	0	.5
33	MP2A	Mx	.011	.5
34	MP2A	X	-22.923	1.5
35	MP2A	Z	0	1.5
36	MP2A	Mx	.011	1.5
37	MP2A	X	-7.172	4.5
38	MP2A	Z	0	4.5
39	MP2A	Mx	.003	4.5
40	M35	X	-32.427	1.5
41	M35	Z	0	1.5
42	M35	Mx	0	1.5
43	M36	X	-32.427	1.5
44	M36	Z	0	1.5
45	M36	Mx	0	1.5
46	M37	X	-28.469	1.5
47	M37	Z	0	1.5
48	M37	Mx	0	1.5
49	M38	X	-28.469	1.5
50	M38	Z	0	1.5
51	M38	Mx	0	1.5
52	M3	X	-7.902	4.5
53	M3	Z	0	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-8.222	2.25
2	MP3A	Z	-4.747	2.25

Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
3	MP3A	Mx	-.004	2.25
4	MP3A	X	-8.222	3.25
5	MP3A	Z	-4.747	3.25
6	MP3A	Mx	-.004	3.25
7	MP3A	X	-8.222	2.25
8	MP3A	Z	-4.747	2.25
9	MP3A	Mx	-.009	2.25
10	MP3A	X	-8.222	3.25
11	MP3A	Z	-4.747	3.25
12	MP3A	Mx	-.009	3.25
13	MP1A	X	-13.174	1.5
14	MP1A	Z	-7.606	1.5
15	MP1A	Mx	.005	1.5
16	MP1A	X	-13.174	2.5
17	MP1A	Z	-7.606	2.5
18	MP1A	Mx	.005	2.5
19	MP3A	X	-94.028	.5
20	MP3A	Z	-54.287	.5
21	MP3A	Mx	-.01	.5
22	MP3A	X	-94.028	4.5
23	MP3A	Z	-54.287	4.5
24	MP3A	Mx	-.01	4.5
25	MP3A	X	-94.028	.5
26	MP3A	Z	-54.287	.5
27	MP3A	Mx	.115	.5
28	MP3A	X	-94.028	4.5
29	MP3A	Z	-54.287	4.5
30	MP3A	Mx	.115	4.5
31	MP2A	X	-34.375	.5
32	MP2A	Z	-19.846	.5
33	MP2A	Mx	.013	.5
34	MP2A	X	-34.375	1.5
35	MP2A	Z	-19.846	1.5
36	MP2A	Mx	.013	1.5
37	MP2A	X	-14.297	4.5
38	MP2A	Z	-8.255	4.5
39	MP2A	Mx	.005	4.5
40	M35	X	-34.217	1.5
41	M35	Z	-19.755	1.5
42	M35	Mx	0	1.5
43	M36	X	-34.217	1.5
44	M36	Z	-19.755	1.5
45	M36	Mx	0	1.5
46	M37	X	-33.074	1.5
47	M37	Z	-19.095	1.5
48	M37	Mx	0	1.5
49	M38	X	-33.074	1.5
50	M38	Z	-19.095	1.5
51	M38	Mx	0	1.5
52	M3	X	-8.214	4.5
53	M3	Z	-4.743	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1 MP3A	X	-6.526	2.25



Company :
Designer :
Job Number :
Model Name :

Aug 12, 2023
12:20 PM
Checked By: _____

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
2	MP3A	Z	-11.303	2.25
3	MP3A	Mx	.002	2.25
4	MP3A	X	-6.526	3.25
5	MP3A	Z	-11.303	3.25
6	MP3A	Mx	.002	3.25
7	MP3A	X	-6.526	2.25
8	MP3A	Z	-11.303	2.25
9	MP3A	Mx	-.007	2.25
10	MP3A	X	-6.526	3.25
11	MP3A	Z	-11.303	3.25
12	MP3A	Mx	-.007	3.25
13	MP1A	X	-8.537	1.5
14	MP1A	Z	-14.786	1.5
15	MP1A	Mx	.001	1.5
16	MP1A	X	-8.537	2.5
17	MP1A	Z	-14.786	2.5
18	MP1A	Mx	.001	2.5
19	MP3A	X	-62.603	.5
20	MP3A	Z	-108.431	.5
21	MP3A	Mx	-.076	.5
22	MP3A	X	-62.603	4.5
23	MP3A	Z	-108.431	4.5
24	MP3A	Mx	-.076	4.5
25	MP3A	X	-62.603	.5
26	MP3A	Z	-108.431	.5
27	MP3A	Mx	.109	.5
28	MP3A	X	-62.603	4.5
29	MP3A	Z	-108.431	4.5
30	MP3A	Mx	.109	4.5
31	MP2A	X	-26.681	.5
32	MP2A	Z	-46.214	.5
33	MP2A	Mx	.005	.5
34	MP2A	X	-26.681	1.5
35	MP2A	Z	-46.214	1.5
36	MP2A	Mx	.005	1.5
37	MP2A	X	-12.06	4.5
38	MP2A	Z	-20.889	4.5
39	MP2A	Mx	.002	4.5
40	M35	X	-21.526	1.5
41	M35	Z	-37.283	1.5
42	M35	Mx	0	1.5
43	M36	X	-21.526	1.5
44	M36	Z	-37.283	1.5
45	M36	Mx	0	1.5
46	M37	X	-21.526	1.5
47	M37	Z	-37.283	1.5
48	M37	Mx	0	1.5
49	M38	X	-21.526	1.5
50	M38	Z	-37.283	1.5
51	M38	Mx	0	1.5
52	M3	X	-5.138	4.5
53	M3	Z	-8.9	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	2.25
2	MP3A	Z	-2.855	2.25
3	MP3A	Mx	.002	2.25
4	MP3A	X	0	3.25
5	MP3A	Z	-2.855	3.25
6	MP3A	Mx	.002	3.25
7	MP3A	X	0	2.25
8	MP3A	Z	-2.855	2.25
9	MP3A	Mx	8.2e-5	2.25
10	MP3A	X	0	3.25
11	MP3A	Z	-2.855	3.25
12	MP3A	Mx	8.2e-5	3.25
13	MP1A	X	0	1.5
14	MP1A	Z	-4.64	1.5
15	MP1A	Mx	-.000793	1.5
16	MP1A	X	0	2.5
17	MP1A	Z	-4.64	2.5
18	MP1A	Mx	-.000793	2.5
19	MP3A	X	0	.5
20	MP3A	Z	-24.259	.5
21	MP3A	Mx	-.023	.5
22	MP3A	X	0	4.5
23	MP3A	Z	-24.259	4.5
24	MP3A	Mx	-.023	4.5
25	MP3A	X	0	.5
26	MP3A	Z	-24.259	.5
27	MP3A	Mx	.011	.5
28	MP3A	X	0	4.5
29	MP3A	Z	-24.259	4.5
30	MP3A	Mx	.011	4.5
31	MP2A	X	0	.5
32	MP2A	Z	-12.482	.5
33	MP2A	Mx	-.002	.5
34	MP2A	X	0	1.5
35	MP2A	Z	-12.482	1.5
36	MP2A	Mx	-.002	1.5
37	MP2A	X	0	4.5
38	MP2A	Z	-5.294	4.5
39	MP2A	Mx	-.000905	4.5
40	M35	X	0	1.5
41	M35	Z	-3.073	1.5
42	M35	Mx	0	1.5
43	M36	X	0	1.5
44	M36	Z	-3.073	1.5
45	M36	Mx	0	1.5
46	M37	X	0	1.5
47	M37	Z	-2.985	1.5
48	M37	Mx	0	1.5
49	M38	X	0	1.5
50	M38	Z	-2.985	1.5
51	M38	Mx	0	1.5
52	M3	X	0	4.5
53	M3	Z	-2.532	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

Member Label	Direction	Magnitude (b.k. fit)	Location (ft. %)
RISA-3D Version 17.0.4	[.....RISA]5000386297-VZW_MT_LOT_A_H.r3d		Page 23



Company :
 Designer :
 Job Number :
 Model Name :

Aug 12, 2023
 12:20 PM
 Checked By: _____

Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.973	2.25
2	MP3A	Z	-1.686	2.25
3	MP3A	Mx	.002	2.25
4	MP3A	X	.973	3.25
5	MP3A	Z	-1.686	3.25
6	MP3A	Mx	.002	3.25
7	MP3A	X	.973	2.25
8	MP3A	Z	-1.686	2.25
9	MP3A	Mx	.001	2.25
10	MP3A	X	.973	3.25
11	MP3A	Z	-1.686	3.25
12	MP3A	Mx	.001	3.25
13	MP1A	X	2.043	1.5
14	MP1A	Z	-3.538	1.5
15	MP1A	Mx	-.002	1.5
16	MP1A	X	2.043	2.5
17	MP1A	Z	-3.538	2.5
18	MP1A	Mx	-.002	2.5
19	MP3A	X	10.24	.5
20	MP3A	Z	-17.736	.5
21	MP3A	Mx	-.022	.5
22	MP3A	X	10.24	4.5
23	MP3A	Z	-17.736	4.5
24	MP3A	Mx	-.022	4.5
25	MP3A	X	10.24	.5
26	MP3A	Z	-17.736	.5
27	MP3A	Mx	-.002	.5
28	MP3A	X	10.24	4.5
29	MP3A	Z	-17.736	4.5
30	MP3A	Mx	-.002	4.5
31	MP2A	X	4.43	.5
32	MP2A	Z	-7.673	.5
33	MP2A	Mx	-.003	.5
34	MP2A	X	4.43	1.5
35	MP2A	Z	-7.673	1.5
36	MP2A	Mx	-.003	1.5
37	MP2A	X	1.682	4.5
38	MP2A	Z	-2.914	4.5
39	MP2A	Mx	-.001	4.5
40	M35	X	1.305	1.5
41	M35	Z	-2.26	1.5
42	M35	Mx	0	1.5
43	M36	X	1.305	1.5
44	M36	Z	-2.26	1.5
45	M36	Mx	0	1.5
46	M37	X	1.173	1.5
47	M37	Z	-2.031	1.5
48	M37	Mx	0	1.5
49	M38	X	1.173	1.5
50	M38	Z	-2.031	1.5
51	M38	Mx	0	1.5
52	M3	X	1.096	4.5
53	M3	Z	-1.898	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.045	2.25
2	MP3A	Z	-.603	2.25
3	MP3A	Mx	.001	2.25
4	MP3A	X	1.045	3.25
5	MP3A	Z	-.603	3.25
6	MP3A	Mx	.001	3.25
7	MP3A	X	1.045	2.25
8	MP3A	Z	-.603	2.25
9	MP3A	Mx	.001	2.25
10	MP3A	X	1.045	3.25
11	MP3A	Z	-.603	3.25
12	MP3A	Mx	.001	3.25
13	MP1A	X	3.146	1.5
14	MP1A	Z	-1.817	1.5
15	MP1A	Mx	-.002	1.5
16	MP1A	X	3.146	2.5
17	MP1A	Z	-1.817	2.5
18	MP1A	Mx	-.002	2.5
19	MP3A	X	15.068	.5
20	MP3A	Z	-8.7	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	15.068	4.5
23	MP3A	Z	-8.7	4.5
24	MP3A	Mx	-.015	4.5
25	MP3A	X	15.068	.5
26	MP3A	Z	-8.7	.5
27	MP3A	Mx	-.011	.5
28	MP3A	X	15.068	4.5
29	MP3A	Z	-8.7	4.5
30	MP3A	Mx	-.011	4.5
31	MP2A	X	5.117	.5
32	MP2A	Z	-2.954	.5
33	MP2A	Mx	-.003	.5
34	MP2A	X	5.117	1.5
35	MP2A	Z	-2.954	1.5
36	MP2A	Mx	-.003	1.5
37	MP2A	X	1.552	4.5
38	MP2A	Z	-.896	4.5
39	MP2A	Mx	-.000882	4.5
40	M35	X	2.059	1.5
41	M35	Z	-1.189	1.5
42	M35	Mx	0	1.5
43	M36	X	2.059	1.5
44	M36	Z	-1.189	1.5
45	M36	Mx	0	1.5
46	M37	X	1.754	1.5
47	M37	Z	-1.013	1.5
48	M37	Mx	0	1.5
49	M38	X	1.754	1.5
50	M38	Z	-1.013	1.5
51	M38	Mx	0	1.5
52	M3	X	1.75	4.5
53	M3	Z	-1.01	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

Member Label	Direction	Magnitude [h k f]	Location [f %]
RISA-3D Version 17.0.4	[.....\RISA\5000386297-VZW_MT_LOT_A_H.r3d]		Page 25

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.374	2.25
2	MP3A	Z	0	2.25
3	MP3A	Mx	.001	2.25
4	MP3A	X	1.374	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.001	3.25
7	MP3A	X	1.374	2.25
8	MP3A	Z	0	2.25
9	MP3A	Mx	.001	2.25
10	MP3A	X	1.374	3.25
11	MP3A	Z	0	3.25
12	MP3A	Mx	.001	3.25
13	MP1A	X	3.736	1.5
14	MP1A	Z	0	1.5
15	MP1A	Mx	-.002	1.5
16	MP1A	X	3.736	2.5
17	MP1A	Z	0	2.5
18	MP1A	Mx	-.002	2.5
19	MP3A	X	18.098	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.008	.5
22	MP3A	X	18.098	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	-.008	4.5
25	MP3A	X	18.098	.5
26	MP3A	Z	0	.5
27	MP3A	Mx	-.017	.5
28	MP3A	X	18.098	4.5
29	MP3A	Z	0	4.5
30	MP3A	Mx	-.017	4.5
31	MP2A	X	6.577	.5
32	MP2A	Z	0	.5
33	MP2A	Mx	-.003	.5
34	MP2A	X	6.577	1.5
35	MP2A	Z	0	1.5
36	MP2A	Mx	-.003	1.5
37	MP2A	X	2.149	4.5
38	MP2A	Z	0	4.5
39	MP2A	Mx	-.001	4.5
40	M35	X	2.609	1.5
41	M35	Z	0	1.5
42	M35	Mx	0	1.5
43	M36	X	2.609	1.5
44	M36	Z	0	1.5
45	M36	Mx	0	1.5
46	M37	X	2.345	1.5
47	M37	Z	0	1.5
48	M37	Mx	0	1.5
49	M38	X	2.345	1.5
50	M38	Z	0	1.5
51	M38	Mx	0	1.5
52	M3	X	2.191	4.5
53	M3	Z	0	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	MP3A	X	1.977	2.25
2	MP3A	Z	1.141	2.25
3	MP3A	Mx	.000885	2.25
4	MP3A	X	1.977	3.25
5	MP3A	Z	1.141	3.25
6	MP3A	Mx	.000885	3.25
7	MP3A	X	1.977	2.25
8	MP3A	Z	1.141	2.25
9	MP3A	Mx	.002	2.25
10	MP3A	X	1.977	3.25
11	MP3A	Z	1.141	3.25
12	MP3A	Mx	.002	3.25
13	MP1A	X	3.715	1.5
14	MP1A	Z	2.145	1.5
15	MP1A	Mx	-.001	1.5
16	MP1A	X	3.715	2.5
17	MP1A	Z	2.145	2.5
18	MP1A	Mx	-.001	2.5
19	MP3A	X	18.946	.5
20	MP3A	Z	10.938	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	18.946	4.5
23	MP3A	Z	10.938	4.5
24	MP3A	Mx	.002	4.5
25	MP3A	X	18.946	.5
26	MP3A	Z	10.938	.5
27	MP3A	Mx	-.023	.5
28	MP3A	X	18.946	4.5
29	MP3A	Z	10.938	4.5
30	MP3A	Mx	-.023	4.5
31	MP2A	X	8.833	.5
32	MP2A	Z	5.1	.5
33	MP2A	Mx	-.003	.5
34	MP2A	X	8.833	1.5
35	MP2A	Z	5.1	1.5
36	MP2A	Mx	-.003	1.5
37	MP2A	X	3.532	4.5
38	MP2A	Z	2.039	4.5
39	MP2A	Mx	-.001	4.5
40	M35	X	2.661	1.5
41	M35	Z	1.537	1.5
42	M35	Mx	0	1.5
43	M36	X	2.661	1.5
44	M36	Z	1.537	1.5
45	M36	Mx	0	1.5
46	M37	X	2.585	1.5
47	M37	Z	1.493	1.5
48	M37	Mx	0	1.5
49	M38	X	2.585	1.5
50	M38	Z	1.493	1.5
51	M38	Mx	0	1.5
52	M3	X	2.193	4.5
53	M3	Z	1.266	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

Member Label	Direction	Magnitude [lb k ft]	Location [ft %]
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Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.511	2.25
2	MP3A	Z	2.618	2.25
3	MP3A	Mx	-0.00468	2.25
4	MP3A	X	1.511	3.25
5	MP3A	Z	2.618	3.25
6	MP3A	Mx	-0.00468	3.25
7	MP3A	X	1.511	2.25
8	MP3A	Z	2.618	2.25
9	MP3A	Mx	.002	2.25
10	MP3A	X	1.511	3.25
11	MP3A	Z	2.618	3.25
12	MP3A	Mx	.002	3.25
13	MP1A	X	2.371	1.5
14	MP1A	Z	4.107	1.5
15	MP1A	Mx	-0.00412	1.5
16	MP1A	X	2.371	2.5
17	MP1A	Z	4.107	2.5
18	MP1A	Mx	-0.00412	2.5
19	MP3A	X	12.478	.5
20	MP3A	Z	21.613	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	12.478	4.5
23	MP3A	Z	21.613	4.5
24	MP3A	Mx	.015	4.5
25	MP3A	X	12.478	.5
26	MP3A	Z	21.613	.5
27	MP3A	Mx	-.022	.5
28	MP3A	X	12.478	4.5
29	MP3A	Z	21.613	4.5
30	MP3A	Mx	-.022	4.5
31	MP2A	X	6.576	.5
32	MP2A	Z	11.39	.5
33	MP2A	Mx	-.001	.5
34	MP2A	X	6.576	1.5
35	MP2A	Z	11.39	1.5
36	MP2A	Mx	-.001	1.5
37	MP2A	X	2.825	4.5
38	MP2A	Z	4.894	4.5
39	MP2A	Mx	-0.0049	4.5
40	M35	X	1.653	1.5
41	M35	Z	2.862	1.5
42	M35	Mx	0	1.5
43	M36	X	1.653	1.5
44	M36	Z	2.862	1.5
45	M36	Mx	0	1.5
46	M37	X	1.653	1.5
47	M37	Z	2.862	1.5
48	M37	Mx	0	1.5
49	M38	X	1.653	1.5
50	M38	Z	2.862	1.5
51	M38	Mx	0	1.5
52	M3	X	1.351	4.5
53	M3	Z	2.34	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	0	2.25
2	MP3A	Z	2.855	2.25
3	MP3A	Mx	-.002	2.25
4	MP3A	X	0	3.25
5	MP3A	Z	2.855	3.25
6	MP3A	Mx	-.002	3.25
7	MP3A	X	0	2.25
8	MP3A	Z	2.855	2.25
9	MP3A	Mx	-8.2e-5	2.25
10	MP3A	X	0	3.25
11	MP3A	Z	2.855	3.25
12	MP3A	Mx	-8.2e-5	3.25
13	MP1A	X	0	1.5
14	MP1A	Z	4.64	1.5
15	MP1A	Mx	.000793	1.5
16	MP1A	X	0	2.5
17	MP1A	Z	4.64	2.5
18	MP1A	Mx	.000793	2.5
19	MP3A	X	0	.5
20	MP3A	Z	24.259	.5
21	MP3A	Mx	.023	.5
22	MP3A	X	0	4.5
23	MP3A	Z	24.259	4.5
24	MP3A	Mx	.023	4.5
25	MP3A	X	0	.5
26	MP3A	Z	24.259	.5
27	MP3A	Mx	-.011	.5
28	MP3A	X	0	4.5
29	MP3A	Z	24.259	4.5
30	MP3A	Mx	-.011	4.5
31	MP2A	X	0	.5
32	MP2A	Z	12.482	.5
33	MP2A	Mx	.002	.5
34	MP2A	X	0	1.5
35	MP2A	Z	12.482	1.5
36	MP2A	Mx	.002	1.5
37	MP2A	X	0	4.5
38	MP2A	Z	5.294	4.5
39	MP2A	Mx	.000905	4.5
40	M35	X	0	1.5
41	M35	Z	3.073	1.5
42	M35	Mx	0	1.5
43	M36	X	0	1.5
44	M36	Z	3.073	1.5
45	M36	Mx	0	1.5
46	M37	X	0	1.5
47	M37	Z	2.985	1.5
48	M37	Mx	0	1.5
49	M38	X	0	1.5
50	M38	Z	2.985	1.5
51	M38	Mx	0	1.5
52	M3	X	0	4.5
53	M3	Z	2.532	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

Member Label	Direction	Magnitude [h k f]	Location [ft %]
RISA-3D Version 17.0.4	[.....]RISA5000386297-VZW_MT_LOT A H.r3d		Page 29

Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-.973	2.25
2	MP3A	Z	1.686	2.25
3	MP3A	Mx	-.002	2.25
4	MP3A	X	-.973	3.25
5	MP3A	Z	1.686	3.25
6	MP3A	Mx	-.002	3.25
7	MP3A	X	-.973	2.25
8	MP3A	Z	1.686	2.25
9	MP3A	Mx	-.001	2.25
10	MP3A	X	-.973	3.25
11	MP3A	Z	1.686	3.25
12	MP3A	Mx	-.001	3.25
13	MP1A	X	-2.043	1.5
14	MP1A	Z	3.538	1.5
15	MP1A	Mx	.002	1.5
16	MP1A	X	-2.043	2.5
17	MP1A	Z	3.538	2.5
18	MP1A	Mx	.002	2.5
19	MP3A	X	-10.24	.5
20	MP3A	Z	17.736	.5
21	MP3A	Mx	.022	.5
22	MP3A	X	-10.24	4.5
23	MP3A	Z	17.736	4.5
24	MP3A	Mx	.022	4.5
25	MP3A	X	-10.24	.5
26	MP3A	Z	17.736	.5
27	MP3A	Mx	.002	.5
28	MP3A	X	-10.24	4.5
29	MP3A	Z	17.736	4.5
30	MP3A	Mx	.002	4.5
31	MP2A	X	-4.43	.5
32	MP2A	Z	7.673	.5
33	MP2A	Mx	.003	.5
34	MP2A	X	-4.43	1.5
35	MP2A	Z	7.673	1.5
36	MP2A	Mx	.003	1.5
37	MP2A	X	-1.682	4.5
38	MP2A	Z	2.914	4.5
39	MP2A	Mx	.001	4.5
40	M35	X	-1.305	1.5
41	M35	Z	2.26	1.5
42	M35	Mx	0	1.5
43	M36	X	-1.305	1.5
44	M36	Z	2.26	1.5
45	M36	Mx	0	1.5
46	M37	X	-1.173	1.5
47	M37	Z	2.031	1.5
48	M37	Mx	0	1.5
49	M38	X	-1.173	1.5
50	M38	Z	2.031	1.5
51	M38	Mx	0	1.5
52	M3	X	-1.096	4.5
53	M3	Z	1.898	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.045	2.25
2	MP3A	Z	.603	2.25
3	MP3A	Mx	-.001	2.25
4	MP3A	X	-1.045	3.25
5	MP3A	Z	.603	3.25
6	MP3A	Mx	-.001	3.25
7	MP3A	X	-1.045	2.25
8	MP3A	Z	.603	2.25
9	MP3A	Mx	-.001	2.25
10	MP3A	X	-1.045	3.25
11	MP3A	Z	.603	3.25
12	MP3A	Mx	-.001	3.25
13	MP1A	X	-3.146	1.5
14	MP1A	Z	1.817	1.5
15	MP1A	Mx	.002	1.5
16	MP1A	X	-3.146	2.5
17	MP1A	Z	1.817	2.5
18	MP1A	Mx	.002	2.5
19	MP3A	X	-15.068	.5
20	MP3A	Z	8.7	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	-15.068	4.5
23	MP3A	Z	8.7	4.5
24	MP3A	Mx	.015	4.5
25	MP3A	X	-15.068	.5
26	MP3A	Z	8.7	.5
27	MP3A	Mx	.011	.5
28	MP3A	X	-15.068	4.5
29	MP3A	Z	8.7	4.5
30	MP3A	Mx	.011	4.5
31	MP2A	X	-5.117	.5
32	MP2A	Z	2.954	.5
33	MP2A	Mx	.003	.5
34	MP2A	X	-5.117	1.5
35	MP2A	Z	2.954	1.5
36	MP2A	Mx	.003	1.5
37	MP2A	X	-1.552	4.5
38	MP2A	Z	.896	4.5
39	MP2A	Mx	.000882	4.5
40	M35	X	-2.059	1.5
41	M35	Z	1.189	1.5
42	M35	Mx	0	1.5
43	M36	X	-2.059	1.5
44	M36	Z	1.189	1.5
45	M36	Mx	0	1.5
46	M37	X	-1.754	1.5
47	M37	Z	1.013	1.5
48	M37	Mx	0	1.5
49	M38	X	-1.754	1.5
50	M38	Z	1.013	1.5
51	M38	Mx	0	1.5
52	M3	X	-1.75	4.5
53	M3	Z	1.01	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-1.374	2.25
2	MP3A	Z	0	2.25
3	MP3A	Mx	-.001	2.25
4	MP3A	X	-1.374	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.001	3.25
7	MP3A	X	-1.374	2.25
8	MP3A	Z	0	2.25
9	MP3A	Mx	-.001	2.25
10	MP3A	X	-1.374	3.25
11	MP3A	Z	0	3.25
12	MP3A	Mx	-.001	3.25
13	MP1A	X	-3.736	1.5
14	MP1A	Z	0	1.5
15	MP1A	Mx	.002	1.5
16	MP1A	X	-3.736	2.5
17	MP1A	Z	0	2.5
18	MP1A	Mx	.002	2.5
19	MP3A	X	-18.098	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.008	.5
22	MP3A	X	-18.098	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	.008	4.5
25	MP3A	X	-18.098	.5
26	MP3A	Z	0	.5
27	MP3A	Mx	.017	.5
28	MP3A	X	-18.098	4.5
29	MP3A	Z	0	4.5
30	MP3A	Mx	.017	4.5
31	MP2A	X	-6.577	.5
32	MP2A	Z	0	.5
33	MP2A	Mx	.003	.5
34	MP2A	X	-6.577	1.5
35	MP2A	Z	0	1.5
36	MP2A	Mx	.003	1.5
37	MP2A	X	-2.149	4.5
38	MP2A	Z	0	4.5
39	MP2A	Mx	.001	4.5
40	M35	X	-2.609	1.5
41	M35	Z	0	1.5
42	M35	Mx	0	1.5
43	M36	X	-2.609	1.5
44	M36	Z	0	1.5
45	M36	Mx	0	1.5
46	M37	X	-2.345	1.5
47	M37	Z	0	1.5
48	M37	Mx	0	1.5
49	M38	X	-2.345	1.5
50	M38	Z	0	1.5
51	M38	Mx	0	1.5
52	M3	X	-2.191	4.5
53	M3	Z	0	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-1.977	2.25
2	MP3A	Z	-1.141	2.25
3	MP3A	Mx	-0.00885	2.25
4	MP3A	X	-1.977	3.25
5	MP3A	Z	-1.141	3.25
6	MP3A	Mx	-0.00885	3.25
7	MP3A	X	-1.977	2.25
8	MP3A	Z	-1.141	2.25
9	MP3A	Mx	-0.002	2.25
10	MP3A	X	-1.977	3.25
11	MP3A	Z	-1.141	3.25
12	MP3A	Mx	-0.002	3.25
13	MP1A	X	-3.715	1.5
14	MP1A	Z	-2.145	1.5
15	MP1A	Mx	.001	1.5
16	MP1A	X	-3.715	2.5
17	MP1A	Z	-2.145	2.5
18	MP1A	Mx	.001	2.5
19	MP3A	X	-18.946	.5
20	MP3A	Z	-10.938	.5
21	MP3A	Mx	-0.002	.5
22	MP3A	X	-18.946	4.5
23	MP3A	Z	-10.938	4.5
24	MP3A	Mx	-0.002	4.5
25	MP3A	X	-18.946	.5
26	MP3A	Z	-10.938	.5
27	MP3A	Mx	.023	.5
28	MP3A	X	-18.946	4.5
29	MP3A	Z	-10.938	4.5
30	MP3A	Mx	.023	4.5
31	MP2A	X	-8.833	.5
32	MP2A	Z	-5.1	.5
33	MP2A	Mx	.003	.5
34	MP2A	X	-8.833	1.5
35	MP2A	Z	-5.1	1.5
36	MP2A	Mx	.003	1.5
37	MP2A	X	-3.532	4.5
38	MP2A	Z	-2.039	4.5
39	MP2A	Mx	.001	4.5
40	M35	X	-2.661	1.5
41	M35	Z	-1.537	1.5
42	M35	Mx	0	1.5
43	M36	X	-2.661	1.5
44	M36	Z	-1.537	1.5
45	M36	Mx	0	1.5
46	M37	X	-2.585	1.5
47	M37	Z	-1.493	1.5
48	M37	Mx	0	1.5
49	M38	X	-2.585	1.5
50	M38	Z	-1.493	1.5
51	M38	Mx	0	1.5
52	M3	X	-2.193	4.5
53	M3	Z	-1.266	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Aug 12, 2023
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Checked By: _____

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	MP3A	X	-1.511	2.25
2	MP3A	Z	-2.618	2.25
3	MP3A	Mx	.000468	2.25
4	MP3A	X	-1.511	3.25
5	MP3A	Z	-2.618	3.25
6	MP3A	Mx	.000468	3.25
7	MP3A	X	-1.511	2.25
8	MP3A	Z	-2.618	2.25
9	MP3A	Mx	-.002	2.25
10	MP3A	X	-1.511	3.25
11	MP3A	Z	-2.618	3.25
12	MP3A	Mx	-.002	3.25
13	MP1A	X	-2.371	1.5
14	MP1A	Z	-4.107	1.5
15	MP1A	Mx	.000412	1.5
16	MP1A	X	-2.371	2.5
17	MP1A	Z	-4.107	2.5
18	MP1A	Mx	.000412	2.5
19	MP3A	X	-12.478	.5
20	MP3A	Z	-21.613	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	-12.478	4.5
23	MP3A	Z	-21.613	4.5
24	MP3A	Mx	-.015	4.5
25	MP3A	X	-12.478	.5
26	MP3A	Z	-21.613	.5
27	MP3A	Mx	.022	.5
28	MP3A	X	-12.478	4.5
29	MP3A	Z	-21.613	4.5
30	MP3A	Mx	.022	4.5
31	MP2A	X	-6.576	.5
32	MP2A	Z	-11.39	.5
33	MP2A	Mx	.001	.5
34	MP2A	X	-6.576	1.5
35	MP2A	Z	-11.39	1.5
36	MP2A	Mx	.001	1.5
37	MP2A	X	-2.825	4.5
38	MP2A	Z	-4.894	4.5
39	MP2A	Mx	.00049	4.5
40	M35	X	-1.653	1.5
41	M35	Z	-2.862	1.5
42	M35	Mx	0	1.5
43	M36	X	-1.653	1.5
44	M36	Z	-2.862	1.5
45	M36	Mx	0	1.5
46	M37	X	-1.653	1.5
47	M37	Z	-2.862	1.5
48	M37	Mx	0	1.5
49	M38	X	-1.653	1.5
50	M38	Z	-2.862	1.5
51	M38	Mx	0	1.5
52	M3	X	-1.351	4.5
53	M3	Z	-2.34	4.5
54	M3	Mx	0	4.5

Member Label	Direction	Magnitude (b.k. #)	Location (b.k. #)
RISA-3D Version 17.0.4	[.....RISA\5000386297-VZW_MT_LOT_A_H.r3d]		Page 34

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	2.25
2	MP3A	Z	- .805	2.25
3	MP3A	Mx	.000527	2.25
4	MP3A	X	0	3.25
5	MP3A	Z	- .805	3.25
6	MP3A	Mx	.000527	3.25
7	MP3A	X	0	2.25
8	MP3A	Z	- .805	2.25
9	MP3A	Mx	2.3e-5	2.25
10	MP3A	X	0	3.25
11	MP3A	Z	- .805	3.25
12	MP3A	Mx	2.3e-5	3.25
13	MP1A	X	0	1.5
14	MP1A	Z	-1.095	1.5
15	MP1A	Mx	-.000187	1.5
16	MP1A	X	0	2.5
17	MP1A	Z	-1.095	2.5
18	MP1A	Mx	-.000187	2.5
19	MP3A	X	0	.5
20	MP3A	Z	-7.984	.5
21	MP3A	Mx	-.008	.5
22	MP3A	X	0	4.5
23	MP3A	Z	-7.984	4.5
24	MP3A	Mx	-.008	4.5
25	MP3A	X	0	.5
26	MP3A	Z	-7.984	.5
27	MP3A	Mx	.004	.5
28	MP3A	X	0	4.5
29	MP3A	Z	-7.984	4.5
30	MP3A	Mx	.004	4.5
31	MP2A	X	0	.5
32	MP2A	Z	-3.305	.5
33	MP2A	Mx	-.000565	.5
34	MP2A	X	0	1.5
35	MP2A	Z	-3.305	1.5
36	MP2A	Mx	-.000565	1.5
37	MP2A	X	0	4.5
38	MP2A	Z	-1.472	4.5
39	MP2A	Mx	-.000252	4.5
40	M35	X	0	1.5
41	M35	Z	-2.598	1.5
42	M35	Mx	0	1.5
43	M36	X	0	1.5
44	M36	Z	-2.598	1.5
45	M36	Mx	0	1.5
46	M37	X	0	1.5
47	M37	Z	-2.511	1.5
48	M37	Mx	0	1.5
49	M38	X	0	1.5
50	M38	Z	-2.511	1.5
51	M38	Mx	0	1.5
52	M3	X	0	4.5
53	M3	Z	-.624	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

Member	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.259	2.25
2	MP3A	Z	-.449	2.25
3	MP3A	Mx	.000508	2.25
4	MP3A	X	.259	3.25
5	MP3A	Z	-.449	3.25
6	MP3A	Mx	.000508	3.25
7	MP3A	X	.259	2.25
8	MP3A	Z	-.449	2.25
9	MP3A	Mx	.000286	2.25
10	MP3A	X	.259	3.25
11	MP3A	Z	-.449	3.25
12	MP3A	Mx	.000286	3.25
13	MP1A	X	.472	1.5
14	MP1A	Z	-.818	1.5
15	MP1A	Mx	-.000362	1.5
16	MP1A	X	.472	2.5
17	MP1A	Z	-.818	2.5
18	MP1A	Mx	-.000362	2.5
19	MP3A	X	3.321	.5
20	MP3A	Z	-5.753	.5
21	MP3A	Mx	-.007	.5
22	MP3A	X	3.321	4.5
23	MP3A	Z	-5.753	4.5
24	MP3A	Mx	-.007	4.5
25	MP3A	X	3.321	.5
26	MP3A	Z	-5.753	.5
27	MP3A	Mx	-.000614	.5
28	MP3A	X	3.321	4.5
29	MP3A	Z	-5.753	4.5
30	MP3A	Mx	-.000614	4.5
31	MP2A	X	1.101	.5
32	MP2A	Z	-1.907	.5
33	MP2A	Mx	-.000843	.5
34	MP2A	X	1.101	1.5
35	MP2A	Z	-1.907	1.5
36	MP2A	Mx	-.000843	1.5
37	MP2A	X	.429	4.5
38	MP2A	Z	-.744	4.5
39	MP2A	Mx	-.000329	4.5
40	M35	X	1.066	1.5
41	M35	Z	-1.846	1.5
42	M35	Mx	0	1.5
43	M36	X	1.066	1.5
44	M36	Z	-1.846	1.5
45	M36	Mx	0	1.5
46	M37	X	.936	1.5
47	M37	Z	-1.621	1.5
48	M37	Mx	0	1.5
49	M38	X	.936	1.5
50	M38	Z	-1.621	1.5
51	M38	Mx	0	1.5
52	M3	X	.26	4.5
53	M3	Z	-.45	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

RISA-3D Version 17.0.4 [.....RISA\5000386297-VZW_MT_LOT_A_H.r3d] Page 36

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.246	2.25
2	MP3A	Z	-.142	2.25
3	MP3A	Mx	.000296	2.25
4	MP3A	X	.246	3.25
5	MP3A	Z	-.142	3.25
6	MP3A	Mx	.000296	3.25
7	MP3A	X	.246	2.25
8	MP3A	Z	-.142	2.25
9	MP3A	Mx	.000263	2.25
10	MP3A	X	.246	3.25
11	MP3A	Z	-.142	3.25
12	MP3A	Mx	.000263	3.25
13	MP1A	X	.712	1.5
14	MP1A	Z	-.411	1.5
15	MP1A	Mx	-.000405	1.5
16	MP1A	X	.712	2.5
17	MP1A	Z	-.411	2.5
18	MP1A	Mx	-.000405	2.5
19	MP3A	X	4.806	.5
20	MP3A	Z	-2.775	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	4.806	4.5
23	MP3A	Z	-2.775	4.5
24	MP3A	Mx	-.005	4.5
25	MP3A	X	4.806	.5
26	MP3A	Z	-2.775	.5
27	MP3A	Mx	-.003	.5
28	MP3A	X	4.806	4.5
29	MP3A	Z	-2.775	4.5
30	MP3A	Mx	-.003	4.5
31	MP2A	X	1.129	.5
32	MP2A	Z	-.652	.5
33	MP2A	Mx	-.000642	.5
34	MP2A	X	1.129	1.5
35	MP2A	Z	-.652	1.5
36	MP2A	Mx	-.000642	1.5
37	MP2A	X	.31	4.5
38	MP2A	Z	-.179	4.5
39	MP2A	Mx	-.000176	4.5
40	M35	X	1.645	1.5
41	M35	Z	-.95	1.5
42	M35	Mx	0	1.5
43	M36	X	1.645	1.5
44	M36	Z	-.95	1.5
45	M36	Mx	0	1.5
46	M37	X	1.344	1.5
47	M37	Z	-.776	1.5
48	M37	Mx	0	1.5
49	M38	X	1.344	1.5
50	M38	Z	-.776	1.5
51	M38	Mx	0	1.5
52	M3	X	.405	4.5
53	M3	Z	-.234	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

Member Label		Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.337	2.25
2	MP3A	Z	0	2.25
3	MP3A	Mx	.000278	2.25
4	MP3A	X	.337	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.000278	3.25
7	MP3A	X	.337	2.25
8	MP3A	Z	0	2.25
9	MP3A	Mx	.000355	2.25
10	MP3A	X	.337	3.25
11	MP3A	Z	0	3.25
12	MP3A	Mx	.000355	3.25
13	MP1A	X	.85	1.5
14	MP1A	Z	0	1.5
15	MP1A	Mx	-.000399	1.5
16	MP1A	X	.85	2.5
17	MP1A	Z	0	2.5
18	MP1A	Mx	-.000399	2.5
19	MP3A	X	5.797	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	5.797	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	-.003	4.5
25	MP3A	X	5.797	.5
26	MP3A	Z	0	.5
27	MP3A	Mx	-.006	.5
28	MP3A	X	5.797	4.5
29	MP3A	Z	0	4.5
30	MP3A	Mx	-.006	4.5
31	MP2A	X	1.507	.5
32	MP2A	Z	0	.5
33	MP2A	Mx	-.000708	.5
34	MP2A	X	1.507	1.5
35	MP2A	Z	0	1.5
36	MP2A	Mx	-.000708	1.5
37	MP2A	X	.472	4.5
38	MP2A	Z	0	4.5
39	MP2A	Mx	-.000222	4.5
40	M35	X	2.132	1.5
41	M35	Z	0	1.5
42	M35	Mx	0	1.5
43	M36	X	2.132	1.5
44	M36	Z	0	1.5
45	M36	Mx	0	1.5
46	M37	X	1.872	1.5
47	M37	Z	0	1.5
48	M37	Mx	0	1.5
49	M38	X	1.872	1.5
50	M38	Z	0	1.5
51	M38	Mx	0	1.5
52	M3	X	.52	4.5
53	M3	Z	0	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

Member Label	Direction	Magnitude (lb.k.ft)	Location (ft. %)
RISA-3D Version 17.0.4	[.....\RISA\5000386297-VZW_MT_LOT_A_H.r3d]		Page 38

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.541	2.25
2	MP3A	Z	.312	2.25
3	MP3A	Mx	.000242	2.25
4	MP3A	X	.541	3.25
5	MP3A	Z	.312	3.25
6	MP3A	Mx	.000242	3.25
7	MP3A	X	.541	2.25
8	MP3A	Z	.312	2.25
9	MP3A	Mx	.000561	2.25
10	MP3A	X	.541	3.25
11	MP3A	Z	.312	3.25
12	MP3A	Mx	.000561	3.25
13	MP1A	X	.866	1.5
14	MP1A	Z	.5	1.5
15	MP1A	Mx	-.000321	1.5
16	MP1A	X	.866	2.5
17	MP1A	Z	.5	2.5
18	MP1A	Mx	-.000321	2.5
19	MP3A	X	6.182	.5
20	MP3A	Z	3.569	.5
21	MP3A	Mx	.00066	.5
22	MP3A	X	6.182	4.5
23	MP3A	Z	3.569	4.5
24	MP3A	Mx	.00066	4.5
25	MP3A	X	6.182	.5
26	MP3A	Z	3.569	.5
27	MP3A	Mx	-.008	.5
28	MP3A	X	6.182	4.5
29	MP3A	Z	3.569	4.5
30	MP3A	Mx	-.008	4.5
31	MP2A	X	2.26	.5
32	MP2A	Z	1.305	.5
33	MP2A	Mx	-.000839	.5
34	MP2A	X	2.26	1.5
35	MP2A	Z	1.305	1.5
36	MP2A	Mx	-.000839	1.5
37	MP2A	X	.94	4.5
38	MP2A	Z	.543	4.5
39	MP2A	Mx	-.000349	4.5
40	M35	X	2.25	1.5
41	M35	Z	1.299	1.5
42	M35	Mx	0	1.5
43	M36	X	2.25	1.5
44	M36	Z	1.299	1.5
45	M36	Mx	0	1.5
46	M37	X	2.174	1.5
47	M37	Z	1.255	1.5
48	M37	Mx	0	1.5
49	M38	X	2.174	1.5
50	M38	Z	1.255	1.5
51	M38	Mx	0	1.5
52	M3	X	.54	4.5
53	M3	Z	.312	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Company :
 Designer :
 Job Number :
 Model Name :

Aug 12, 2023
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Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.429	2.25
2	MP3A	Z	.743	2.25
3	MP3A	Mx	-.000133	2.25
4	MP3A	X	.429	3.25
5	MP3A	Z	.743	3.25
6	MP3A	Mx	-.000133	3.25
7	MP3A	X	.429	2.25
8	MP3A	Z	.743	2.25
9	MP3A	Mx	.000431	2.25
10	MP3A	X	.429	3.25
11	MP3A	Z	.743	3.25
12	MP3A	Mx	.000431	3.25
13	MP1A	X	.561	1.5
14	MP1A	Z	.972	1.5
15	MP1A	Mx	-9.7e-5	1.5
16	MP1A	X	.561	2.5
17	MP1A	Z	.972	2.5
18	MP1A	Mx	-9.7e-5	2.5
19	MP3A	X	4.116	.5
20	MP3A	Z	7.129	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	4.116	4.5
23	MP3A	Z	7.129	4.5
24	MP3A	Mx	.005	4.5
25	MP3A	X	4.116	.5
26	MP3A	Z	7.129	.5
27	MP3A	Mx	-.007	.5
28	MP3A	X	4.116	4.5
29	MP3A	Z	7.129	4.5
30	MP3A	Mx	-.007	4.5
31	MP2A	X	1.754	.5
32	MP2A	Z	3.038	.5
33	MP2A	Mx	-.000305	.5
34	MP2A	X	1.754	1.5
35	MP2A	Z	3.038	1.5
36	MP2A	Mx	-.000305	1.5
37	MP2A	X	.793	4.5
38	MP2A	Z	1.373	4.5
39	MP2A	Mx	-.000138	4.5
40	M35	X	1.415	1.5
41	M35	Z	2.451	1.5
42	M35	Mx	0	1.5
43	M36	X	1.415	1.5
44	M36	Z	2.451	1.5
45	M36	Mx	0	1.5
46	M37	X	1.415	1.5
47	M37	Z	2.451	1.5
48	M37	Mx	0	1.5
49	M38	X	1.415	1.5
50	M38	Z	2.451	1.5
51	M38	Mx	0	1.5
52	M3	X	.338	4.5
53	M3	Z	.585	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.25
2	MP3A	Z	.805	2.25
3	MP3A	Mx	-.000527	2.25
4	MP3A	X	0	3.25
5	MP3A	Z	.805	3.25
6	MP3A	Mx	-.000527	3.25
7	MP3A	X	0	2.25
8	MP3A	Z	.805	2.25
9	MP3A	Mx	-2.3e-5	2.25
10	MP3A	X	0	3.25
11	MP3A	Z	.805	3.25
12	MP3A	Mx	-2.3e-5	3.25
13	MP1A	X	0	1.5
14	MP1A	Z	1.095	1.5
15	MP1A	Mx	.000187	1.5
16	MP1A	X	0	2.5
17	MP1A	Z	1.095	2.5
18	MP1A	Mx	.000187	2.5
19	MP3A	X	0	.5
20	MP3A	Z	7.984	.5
21	MP3A	Mx	.008	.5
22	MP3A	X	0	4.5
23	MP3A	Z	7.984	4.5
24	MP3A	Mx	.008	4.5
25	MP3A	X	0	.5
26	MP3A	Z	7.984	.5
27	MP3A	Mx	-.004	.5
28	MP3A	X	0	4.5
29	MP3A	Z	7.984	4.5
30	MP3A	Mx	-.004	4.5
31	MP2A	X	0	.5
32	MP2A	Z	3.305	.5
33	MP2A	Mx	.000565	.5
34	MP2A	X	0	1.5
35	MP2A	Z	3.305	1.5
36	MP2A	Mx	.000565	1.5
37	MP2A	X	0	4.5
38	MP2A	Z	1.472	4.5
39	MP2A	Mx	.000252	4.5
40	M35	X	0	1.5
41	M35	Z	2.598	1.5
42	M35	Mx	0	1.5
43	M36	X	0	1.5
44	M36	Z	2.598	1.5
45	M36	Mx	0	1.5
46	M37	X	0	1.5
47	M37	Z	2.511	1.5
48	M37	Mx	0	1.5
49	M38	X	0	1.5
50	M38	Z	2.511	1.5
51	M38	Mx	0	1.5
52	M3	X	0	4.5
53	M3	Z	.624	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Company :
 Designer :
 Job Number :
 Model Name :

Aug 12, 2023
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Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-.259	2.25
2	MP3A	Z	.449	2.25
3	MP3A	Mx	-.000508	2.25
4	MP3A	X	-.259	3.25
5	MP3A	Z	.449	3.25
6	MP3A	Mx	-.000508	3.25
7	MP3A	X	-.259	2.25
8	MP3A	Z	.449	2.25
9	MP3A	Mx	-.000286	2.25
10	MP3A	X	-.259	3.25
11	MP3A	Z	.449	3.25
12	MP3A	Mx	-.000286	3.25
13	MP1A	X	-.472	1.5
14	MP1A	Z	.818	1.5
15	MP1A	Mx	.000362	1.5
16	MP1A	X	-.472	2.5
17	MP1A	Z	.818	2.5
18	MP1A	Mx	.000362	2.5
19	MP3A	X	-3.321	.5
20	MP3A	Z	5.753	.5
21	MP3A	Mx	.007	.5
22	MP3A	X	-3.321	4.5
23	MP3A	Z	5.753	4.5
24	MP3A	Mx	.007	4.5
25	MP3A	X	-3.321	.5
26	MP3A	Z	5.753	.5
27	MP3A	Mx	.000614	.5
28	MP3A	X	-3.321	4.5
29	MP3A	Z	5.753	4.5
30	MP3A	Mx	.000614	4.5
31	MP2A	X	-1.101	.5
32	MP2A	Z	1.907	.5
33	MP2A	Mx	.000843	.5
34	MP2A	X	-1.101	1.5
35	MP2A	Z	1.907	1.5
36	MP2A	Mx	.000843	1.5
37	MP2A	X	-.429	4.5
38	MP2A	Z	.744	4.5
39	MP2A	Mx	.000329	4.5
40	M35	X	-1.066	1.5
41	M35	Z	1.846	1.5
42	M35	Mx	0	1.5
43	M36	X	-1.066	1.5
44	M36	Z	1.846	1.5
45	M36	Mx	0	1.5
46	M37	X	-.936	1.5
47	M37	Z	1.621	1.5
48	M37	Mx	0	1.5
49	M38	X	-.936	1.5
50	M38	Z	1.621	1.5
51	M38	Mx	0	1.5
52	M3	X	-.26	4.5
53	M3	Z	.45	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-.246	2.25
2	MP3A	Z	.142	2.25
3	MP3A	Mx	-.000296	2.25
4	MP3A	X	-.246	3.25
5	MP3A	Z	.142	3.25
6	MP3A	Mx	-.000296	3.25
7	MP3A	X	-.246	2.25
8	MP3A	Z	.142	2.25
9	MP3A	Mx	-.000263	2.25
10	MP3A	X	-.246	3.25
11	MP3A	Z	.142	3.25
12	MP3A	Mx	-.000263	3.25
13	MP1A	X	-.712	1.5
14	MP1A	Z	.411	1.5
15	MP1A	Mx	.000405	1.5
16	MP1A	X	-.712	2.5
17	MP1A	Z	.411	2.5
18	MP1A	Mx	.000405	2.5
19	MP3A	X	-4.806	.5
20	MP3A	Z	2.775	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-4.806	4.5
23	MP3A	Z	2.775	4.5
24	MP3A	Mx	.005	4.5
25	MP3A	X	-4.806	.5
26	MP3A	Z	2.775	.5
27	MP3A	Mx	.003	.5
28	MP3A	X	-4.806	4.5
29	MP3A	Z	2.775	4.5
30	MP3A	Mx	.003	4.5
31	MP2A	X	-1.129	.5
32	MP2A	Z	.652	.5
33	MP2A	Mx	.000642	.5
34	MP2A	X	-1.129	1.5
35	MP2A	Z	.652	1.5
36	MP2A	Mx	.000642	1.5
37	MP2A	X	-.31	4.5
38	MP2A	Z	.179	4.5
39	MP2A	Mx	.000176	4.5
40	M35	X	-1.645	1.5
41	M35	Z	.95	1.5
42	M35	Mx	0	1.5
43	M36	X	-1.645	1.5
44	M36	Z	.95	1.5
45	M36	Mx	0	1.5
46	M37	X	-1.344	1.5
47	M37	Z	.776	1.5
48	M37	Mx	0	1.5
49	M38	X	-1.344	1.5
50	M38	Z	.776	1.5
51	M38	Mx	0	1.5
52	M3	X	-.405	4.5
53	M3	Z	.234	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Aug 12, 2023
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Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]	
1	MP3A	X	- .337	2.25
2	MP3A	Z	0	2.25
3	MP3A	Mx	-.000278	2.25
4	MP3A	X	-.337	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.000278	3.25
7	MP3A	X	-.337	2.25
8	MP3A	Z	0	2.25
9	MP3A	Mx	-.000355	2.25
10	MP3A	X	-.337	3.25
11	MP3A	Z	0	3.25
12	MP3A	Mx	-.000355	3.25
13	MP1A	X	-.85	1.5
14	MP1A	Z	0	1.5
15	MP1A	Mx	.000399	1.5
16	MP1A	X	-.85	2.5
17	MP1A	Z	0	2.5
18	MP1A	Mx	.000399	2.5
19	MP3A	X	-5.797	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-5.797	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	.003	4.5
25	MP3A	X	-5.797	.5
26	MP3A	Z	0	.5
27	MP3A	Mx	.006	.5
28	MP3A	X	-5.797	4.5
29	MP3A	Z	0	4.5
30	MP3A	Mx	.006	4.5
31	MP2A	X	-1.507	.5
32	MP2A	Z	0	.5
33	MP2A	Mx	.000708	.5
34	MP2A	X	-1.507	1.5
35	MP2A	Z	0	1.5
36	MP2A	Mx	.000708	1.5
37	MP2A	X	-.472	4.5
38	MP2A	Z	0	4.5
39	MP2A	Mx	.000222	4.5
40	M35	X	-2.132	1.5
41	M35	Z	0	1.5
42	M35	Mx	0	1.5
43	M36	X	-2.132	1.5
44	M36	Z	0	1.5
45	M36	Mx	0	1.5
46	M37	X	-1.872	1.5
47	M37	Z	0	1.5
48	M37	Mx	0	1.5
49	M38	X	-1.872	1.5
50	M38	Z	0	1.5
51	M38	Mx	0	1.5
52	M3	X	-.52	4.5
53	M3	Z	0	4.5
54	M3	Mx	0	4.5

Member Label	Direction	Magnitude (lb-k-ft)	Location (ft %)
RISA-3D Version 17.0.4 [1.....\RISA\5000386297-VZW_MT_LOT_A_H.r3d] Page 44			

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-.541	2.25
2	MP3A	Z	-.312	2.25
3	MP3A	Mx	-.000242	2.25
4	MP3A	X	-.541	3.25
5	MP3A	Z	-.312	3.25
6	MP3A	Mx	-.000242	3.25
7	MP3A	X	-.541	2.25
8	MP3A	Z	-.312	2.25
9	MP3A	Mx	-.000561	2.25
10	MP3A	X	-.541	3.25
11	MP3A	Z	-.312	3.25
12	MP3A	Mx	-.000561	3.25
13	MP1A	X	-.866	1.5
14	MP1A	Z	-.5	1.5
15	MP1A	Mx	.000321	1.5
16	MP1A	X	-.866	2.5
17	MP1A	Z	-.5	2.5
18	MP1A	Mx	.000321	2.5
19	MP3A	X	-6.182	.5
20	MP3A	Z	-3.569	.5
21	MP3A	Mx	-.00066	.5
22	MP3A	X	-6.182	4.5
23	MP3A	Z	-3.569	4.5
24	MP3A	Mx	-.00066	4.5
25	MP3A	X	-6.182	.5
26	MP3A	Z	-3.569	.5
27	MP3A	Mx	.008	.5
28	MP3A	X	-6.182	4.5
29	MP3A	Z	-3.569	4.5
30	MP3A	Mx	.008	4.5
31	MP2A	X	-2.26	.5
32	MP2A	Z	-1.305	.5
33	MP2A	Mx	.000839	.5
34	MP2A	X	-2.26	1.5
35	MP2A	Z	-1.305	1.5
36	MP2A	Mx	.000839	1.5
37	MP2A	X	-.94	4.5
38	MP2A	Z	-.543	4.5
39	MP2A	Mx	.000349	4.5
40	M35	X	-2.25	1.5
41	M35	Z	-1.299	1.5
42	M35	Mx	0	1.5
43	M36	X	-2.25	1.5
44	M36	Z	-1.299	1.5
45	M36	Mx	0	1.5
46	M37	X	-2.174	1.5
47	M37	Z	-1.255	1.5
48	M37	Mx	0	1.5
49	M38	X	-2.174	1.5
50	M38	Z	-1.255	1.5
51	M38	Mx	0	1.5
52	M3	X	-.54	4.5
53	M3	Z	-.312	4.5
54	M3	Mx	0	4.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

Member	Point Load (lb)	Member Label	Direction	Magnitude [lb.k-ft]	Location [ft. %]
1		MP3A	X	-.429	2.25
2		MP3A	Z	-.743	2.25
3		MP3A	Mx	.000133	2.25
4		MP3A	X	-.429	3.25
5		MP3A	Z	-.743	3.25
6		MP3A	Mx	.000133	3.25
7		MP3A	X	-.429	2.25
8		MP3A	Z	-.743	2.25
9		MP3A	Mx	-.000431	2.25
10		MP3A	X	-.429	3.25
11		MP3A	Z	-.743	3.25
12		MP3A	Mx	-.000431	3.25
13		MP1A	X	-.561	1.5
14		MP1A	Z	-.972	1.5
15		MP1A	Mx	9.7e-5	1.5
16		MP1A	X	-.561	2.5
17		MP1A	Z	-.972	2.5
18		MP1A	Mx	9.7e-5	2.5
19		MP3A	X	-4.116	.5
20		MP3A	Z	-7.129	.5
21		MP3A	Mx	-.005	.5
22		MP3A	X	-4.116	4.5
23		MP3A	Z	-7.129	4.5
24		MP3A	Mx	-.005	4.5
25		MP3A	X	-4.116	.5
26		MP3A	Z	-7.129	.5
27		MP3A	Mx	.007	.5
28		MP3A	X	-4.116	4.5
29		MP3A	Z	-7.129	4.5
30		MP3A	Mx	.007	4.5
31		MP2A	X	-1.754	.5
32		MP2A	Z	-3.038	.5
33		MP2A	Mx	.000305	.5
34		MP2A	X	-1.754	1.5
35		MP2A	Z	-3.038	1.5
36		MP2A	Mx	.000305	1.5
37		MP2A	X	-.793	4.5
38		MP2A	Z	-1.373	4.5
39		MP2A	Mx	.000138	4.5
40		M35	X	-1.415	1.5
41		M35	Z	-2.451	1.5
42		M35	Mx	0	1.5
43		M36	X	-1.415	1.5
44		M36	Z	-2.451	1.5
45		M36	Mx	0	1.5
46		M37	X	-1.415	1.5
47		M37	Z	-2.451	1.5
48		M37	Mx	0	1.5
49		M38	X	-1.415	1.5
50		M38	Z	-2.451	1.5
51		M38	Mx	0	1.5
52		M3	X	-.338	4.5
53		M3	Z	-.585	4.5
54		M3	Mx	0	4.5

Member Point Loads (BLC 77 : Lm1)

Member Label Direction Magnitude(lb.-ft) Location(ft)

Member Point Loads (BLC 77 : Lm1) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%14

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	0	2.25
2	MP3A	My	0	2.25
3	MP3A	Mz	0	2.25
4	MP3A	Y	0	3.25
5	MP3A	Mv	0	3.25
6	MP3A	Mz	0	3.25
7	MP3A	Y	0	2.25
8	MP3A	My	0	2.25
9	MP3A	Mz	0	2.25
10	MP3A	Y	0	3.25
11	MP3A	Mv	0	3.25
12	MP3A	Mz	0	3.25
13	MP1A	Y	0	1.5
14	MP1A	My	0	1.5
15	MP1A	Mz	0	1.5
16	MP1A	Y	0	2.5
17	MP1A	Mv	0	2.5
18	MP1A	Mz	0	2.5
19	MP3A	Y	0	.5
20	MP3A	My	0	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	0	4.5
23	MP3A	Mv	0	4.5
24	MP3A	Mz	0	4.5
25	MP3A	Y	0	.5
26	MP3A	My	0	.5
27	MP3A	Mz	0	.5
28	MP3A	Y	0	4.5
29	MP3A	Mv	0	4.5
30	MP3A	Mz	0	4.5
31	MP2A	Y	0	.5
32	MP2A	My	0	.5
33	MP2A	Mz	0	.5
34	MP2A	Y	0	1.5
35	MP2A	Mv	0	1.5
36	MP2A	Mz	0	1.5
37	MP2A	Y	0	4.5
38	MP2A	My	0	4.5
39	MP2A	Mz	0	4.5

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	M35	Y	0	1.5
41	M35	My	0	1.5
42	M35	Mz	0	1.5
43	M36	Y	0	1.5
44	M36	My	0	1.5
45	M36	Mz	0	1.5
46	M37	Y	0	1.5
47	M37	My	0	1.5
48	M37	Mz	0	1.5
49	M38	Y	0	1.5
50	M38	My	0	1.5
51	M38	Mz	0	1.5
52	M3	Y	0	4.5
53	M3	My	0	4.5
54	M3	Mz	0	4.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Z	-.264	2.25
2	MP3A	Mx	.000173	2.25
3	MP3A	Z	-.264	3.25
4	MP3A	Mx	.000173	3.25
5	MP3A	Z	-.264	2.25
6	MP3A	Mx	8e-6	2.25
7	MP3A	Z	-.264	3.25
8	MP3A	Mx	8e-6	3.25
9	MP1A	Z	-.496	1.5
10	MP1A	Mx	-8.5e-5	1.5
11	MP1A	Z	-.496	2.5
12	MP1A	Mx	-8.5e-5	2.5
13	MP3A	Z	-.95	.5
14	MP3A	Mx	-.000913	.5
15	MP3A	Z	-.95	4.5
16	MP3A	Mx	-.000913	4.5
17	MP3A	Z	-.95	.5
18	MP3A	Mx	.000426	.5
19	MP3A	Z	-.95	4.5
20	MP3A	Mx	.000426	4.5
21	MP2A	Z	-1.306	.5
22	MP2A	Mx	-.000223	.5
23	MP2A	Z	-1.306	1.5
24	MP2A	Mx	-.000223	1.5
25	MP2A	Z	-.132	4.5
26	MP2A	Mx	-2.3e-5	4.5
27	M35	Z	-1.266	1.5
28	M35	Mx	0	1.5
29	M36	Z	-1.266	1.5
30	M36	Mx	0	1.5
31	M37	Z	-1.056	1.5
32	M37	Mx	0	1.5
33	M38	Z	-1.056	1.5
34	M38	Mx	0	1.5
35	M3	Z	-.312	4.5
36	M3	Mx	0	4.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.264	2.25
2	MP3A	Mx	.000218	2.25
3	MP3A	X	.264	3.25
4	MP3A	Mx	.000218	3.25
5	MP3A	X	.264	2.25
6	MP3A	Mx	.000278	2.25
7	MP3A	X	.264	3.25
8	MP3A	Mx	.000278	3.25
9	MP1A	X	.496	1.5
10	MP1A	Mx	-.000233	1.5
11	MP1A	X	.496	2.5
12	MP1A	Mx	-.000233	2.5
13	MP3A	X	.95	.5
14	MP3A	Mx	-.000426	.5
15	MP3A	X	.95	4.5
16	MP3A	Mx	-.000426	4.5
17	MP3A	X	.95	.5
18	MP3A	Mx	-.000913	.5
19	MP3A	X	.95	4.5
20	MP3A	Mx	-.000913	4.5
21	MP2A	X	1.306	.5
22	MP2A	Mx	-.000614	.5
23	MP2A	X	1.306	1.5
24	MP2A	Mx	-.000614	1.5
25	MP2A	X	.132	4.5
26	MP2A	Mx	-6.2e-5	4.5
27	M35	X	1.266	1.5
28	M35	Mx	0	1.5
29	M36	X	1.266	1.5
30	M36	Mx	0	1.5
31	M37	X	1.056	1.5
32	M37	Mx	0	1.5
33	M38	X	1.056	1.5
34	M38	Mx	0	1.5
35	M3	X	.312	4.5
36	M3	Mx	0	4.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-5.305	-5.305	0	%100
2	M2	Y	-5.305	-5.305	0	%100
3	M3	Y	-4.636	-4.636	0	%100
4	M4	Y	-4.636	-4.636	0	%100
5	M5	Y	-4.636	-4.636	0	%100
6	M6	Y	-4.636	-4.636	0	%100
7	M7	Y	-4.636	-4.636	0	%100
8	M8	Y	-4.636	-4.636	0	%100
9	M9	Y	-3.681	-3.681	0	%100
10	M10	Y	-3.681	-3.681	0	%100
11	M11	Y	-3.681	-3.681	0	%100
12	M12	Y	-3.681	-3.681	0	%100
13	M13	Y	-3.681	-3.681	0	%100
14	M14	Y	-3.681	-3.681	0	%100
15	M15	Y	-3.681	-3.681	0	%100
16	M16	Y	-3.681	-3.681	0	%100



Member Distributed Loads (BLC 40 : Structure Di) (Continued)

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-7.985	-7.985	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-7.985	-7.985	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-3.235	-3.235	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-3.235	-3.235	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-3.235	-3.235	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-3.235	-3.235	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-5.034	-5.034	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-5.034	-5.034	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-3.827	-3.827	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-3.827	-3.827	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-4.431	-4.431	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M12	X	0	0	0	%100
24	M12	Z	-4.431	-4.431	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-3.827	-3.827	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-3.827	-3.827	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-4.431	-4.431	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-4.431	-4.431	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-511	-511	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-511	-511	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-511	-511	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-511	-511	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-1.099	-1.099	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-1.099	-1.099	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-1.476	-1.476	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-1.099	-1.099	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-1.099	-1.099	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-1.476	-1.476	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-1.099	-1.099	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-1.099	-1.099	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-1.476	-1.476	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-1.099	-1.099	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-1.099	-1.099	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-1.476	-1.476	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-9.286	-9.286	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	-69	-69	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	-7.522	-7.522	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	-7.522	-7.522	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	-7.522	-7.522	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	-7.522	-7.522	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	-7.522	-7.522	0	%100
79	M40	X	0	0	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
80	M40	Z	-7.522	-7.522	0	%100
81	MP1A	X	0	0	0	%100
82	MP1A	Z	-6.597	-6.597	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-6.597	-6.597	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	-7.375	-7.375	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-6.597	-6.597	0	%100
89	MP5A	X	0	0	0	%100
90	MP5A	Z	-6.597	-6.597	0	%100
91	M60	X	0	0	0	%100
92	M60	Z	-6.704	-6.704	0	%100
93	M61	X	0	0	0	%100
94	M61	Z	-6.704	-6.704	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.994	2.994	0	%100
2	M1	Z	-5.187	-5.187	0	%100
3	M2	X	2.994	2.994	0	%100
4	M2	Z	-5.187	-5.187	0	%100
5	M3	X	.205	.205	0	%100
6	M3	Z	-.356	-.356	0	%100
7	M4	X	3.061	3.061	0	%100
8	M4	Z	-5.302	-5.302	0	%100
9	M5	X	.205	.205	0	%100
10	M5	Z	-.356	-.356	0	%100
11	M6	X	3.061	3.061	0	%100
12	M6	Z	-5.302	-5.302	0	%100
13	M7	X	2.517	2.517	0	%100
14	M7	Z	-4.36	-4.36	0	%100
15	M8	X	2.517	2.517	0	%100
16	M8	Z	-4.36	-4.36	0	%100
17	M9	X	2.25	2.25	0	%100
18	M9	Z	-3.897	-3.897	0	%100
19	M10	X	2.25	2.25	0	%100
20	M10	Z	-3.897	-3.897	0	%100
21	M11	X	2.215	2.215	0	%100
22	M11	Z	-3.837	-3.837	0	%100
23	M12	X	2.215	2.215	0	%100
24	M12	Z	-3.837	-3.837	0	%100
25	M13	X	1.584	1.584	0	%100
26	M13	Z	-2.744	-2.744	0	%100
27	M14	X	1.584	1.584	0	%100
28	M14	Z	-2.744	-2.744	0	%100
29	M15	X	2.215	2.215	0	%100
30	M15	Z	-3.837	-3.837	0	%100
31	M16	X	2.215	2.215	0	%100
32	M16	Z	-3.837	-3.837	0	%100
33	M17	X	.032	.032	0	%100
34	M17	Z	-.056	-.056	0	%100
35	M18	X	.483	.483	0	%100
36	M18	Z	-.837	-.837	0	%100
37	M19	X	.032	.032	0	%100
38	M19	Z	-.056	-.056	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
39	M20	X	.483	.483	0	%100
40	M20	Z	-.837	-.837	0	%100
41	M21	X	1.627	1.627	0	%100
42	M21	Z	-2.819	-2.819	0	%100
43	M22	X	1.627	1.627	0	%100
44	M22	Z	-2.819	-2.819	0	%100
45	M23	X	1.768	1.768	0	%100
46	M23	Z	-3.063	-3.063	0	%100
47	M24	X	1.627	1.627	0	%100
48	M24	Z	-2.819	-2.819	0	%100
49	M25	X	1.627	1.627	0	%100
50	M25	Z	-2.819	-2.819	0	%100
51	M26	X	1.768	1.768	0	%100
52	M26	Z	-3.063	-3.063	0	%100
53	M27	X	1.627	1.627	0	%100
54	M27	Z	-2.819	-2.819	0	%100
55	M28	X	1.627	1.627	0	%100
56	M28	Z	-2.819	-2.819	0	%100
57	M29	X	1.768	1.768	0	%100
58	M29	Z	-3.063	-3.063	0	%100
59	M30	X	1.627	1.627	0	%100
60	M30	Z	-2.819	-2.819	0	%100
61	M31	X	1.627	1.627	0	%100
62	M31	Z	-2.819	-2.819	0	%100
63	M32	X	1.768	1.768	0	%100
64	M32	Z	-3.063	-3.063	0	%100
65	M33	X	4.643	4.643	0	%100
66	M33	Z	-8.042	-8.042	0	%100
67	M34	X	2.469	2.469	0	%100
68	M34	Z	-4.276	-4.276	0	%100
69	M35	X	3.761	3.761	0	%100
70	M35	Z	-6.515	-6.515	0	%100
71	M36	X	3.761	3.761	0	%100
72	M36	Z	-6.515	-6.515	0	%100
73	M37	X	3.761	3.761	0	%100
74	M37	Z	-6.515	-6.515	0	%100
75	M38	X	3.761	3.761	0	%100
76	M38	Z	-6.515	-6.515	0	%100
77	M39	X	3.761	3.761	0	%100
78	M39	Z	-6.515	-6.515	0	%100
79	M40	X	3.761	3.761	0	%100
80	M40	Z	-6.515	-6.515	0	%100
81	MP1A	X	3.298	3.298	0	%100
82	MP1A	Z	-5.713	-5.713	0	%100
83	MP2A	X	3.298	3.298	0	%100
84	MP2A	Z	-5.713	-5.713	0	%100
85	MP3A	X	3.687	3.687	0	%100
86	MP3A	Z	-6.387	-6.387	0	%100
87	MP4A	X	3.298	3.298	0	%100
88	MP4A	Z	-5.713	-5.713	0	%100
89	MP5A	X	3.298	3.298	0	%100
90	MP5A	Z	-5.713	-5.713	0	%100
91	M60	X	.739	.739	0	%100
92	M60	Z	-1.279	-1.279	0	%100
93	M61	X	5.579	5.579	0	%100
94	M61	Z	-9.663	-9.663	0	%100



Company
Designer
Job Number
Model Name

Aug 12, 2023
12:20 PM
Checked By: _____

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.729	1.729	0	%100
2	M1	Z	-.998	-.998	0	%100
3	M2	X	1.729	1.729	0	%100
4	M2	Z	-.998	-.998	0	%100
5	M3	X	.41	.41	0	%100
6	M3	Z	-.237	-.237	0	%100
7	M4	X	5.357	5.357	0	%100
8	M4	Z	-3.093	-3.093	0	%100
9	M5	X	.41	.41	0	%100
10	M5	Z	-.237	-.237	0	%100
11	M6	X	5.357	5.357	0	%100
12	M6	Z	-3.093	-3.093	0	%100
13	M7	X	4.36	4.36	0	%100
14	M7	Z	-2.517	-2.517	0	%100
15	M8	X	4.36	4.36	0	%100
16	M8	Z	-2.517	-2.517	0	%100
17	M9	X	3.91	3.91	0	%100
18	M9	Z	-2.257	-2.257	0	%100
19	M10	X	3.91	3.91	0	%100
20	M10	Z	-2.257	-2.257	0	%100
21	M11	X	3.837	3.837	0	%100
22	M11	Z	-2.215	-2.215	0	%100
23	M12	X	3.837	3.837	0	%100
24	M12	Z	-2.215	-2.215	0	%100
25	M13	X	2.757	2.757	0	%100
26	M13	Z	-1.592	-1.592	0	%100
27	M14	X	2.757	2.757	0	%100
28	M14	Z	-1.592	-1.592	0	%100
29	M15	X	3.837	3.837	0	%100
30	M15	Z	-2.215	-2.215	0	%100
31	M16	X	3.837	3.837	0	%100
32	M16	Z	-2.215	-2.215	0	%100
33	M17	X	.065	.065	0	%100
34	M17	Z	-.037	-.037	0	%100
35	M18	X	.846	.846	0	%100
36	M18	Z	-.488	-.488	0	%100
37	M19	X	.065	.065	0	%100
38	M19	Z	-.037	-.037	0	%100
39	M20	X	.846	.846	0	%100
40	M20	Z	-.488	-.488	0	%100
41	M21	X	6.552	6.552	0	%100
42	M21	Z	-3.783	-3.783	0	%100
43	M22	X	6.552	6.552	0	%100
44	M22	Z	-3.783	-3.783	0	%100
45	M23	X	6.634	6.634	0	%100
46	M23	Z	-3.83	-3.83	0	%100
47	M24	X	6.552	6.552	0	%100
48	M24	Z	-3.783	-3.783	0	%100
49	M25	X	6.552	6.552	0	%100
50	M25	Z	-3.783	-3.783	0	%100
51	M26	X	6.634	6.634	0	%100
52	M26	Z	-3.83	-3.83	0	%100
53	M27	X	6.552	6.552	0	%100
54	M27	Z	-3.783	-3.783	0	%100
55	M28	X	6.552	6.552	0	%100
56	M28	Z	-3.783	-3.783	0	%100
57	M29	X	6.634	6.634	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M29	Z	-3.83	-3.83	0	%100
59	M30	X	6.552	6.552	0	%100
60	M30	Z	-3.783	-3.783	0	%100
61	M31	X	6.552	6.552	0	%100
62	M31	Z	-3.783	-3.783	0	%100
63	M32	X	6.634	6.634	0	%100
64	M32	Z	-3.83	-3.83	0	%100
65	M33	X	8.042	8.042	0	%100
66	M33	Z	-4.643	-4.643	0	%100
67	M34	X	7.888	7.888	0	%100
68	M34	Z	-4.554	-4.554	0	%100
69	M35	X	6.515	6.515	0	%100
70	M35	Z	-3.761	-3.761	0	%100
71	M36	X	6.515	6.515	0	%100
72	M36	Z	-3.761	-3.761	0	%100
73	M37	X	6.515	6.515	0	%100
74	M37	Z	-3.761	-3.761	0	%100
75	M38	X	6.515	6.515	0	%100
76	M38	Z	-3.761	-3.761	0	%100
77	M39	X	6.515	6.515	0	%100
78	M39	Z	-3.761	-3.761	0	%100
79	M40	X	6.515	6.515	0	%100
80	M40	Z	-3.761	-3.761	0	%100
81	MP1A	X	5.713	5.713	0	%100
82	MP1A	Z	-3.298	-3.298	0	%100
83	MP2A	X	5.713	5.713	0	%100
84	MP2A	Z	-3.298	-3.298	0	%100
85	MP3A	X	6.387	6.387	0	%100
86	MP3A	Z	-3.687	-3.687	0	%100
87	MP4A	X	5.713	5.713	0	%100
88	MP4A	Z	-3.298	-3.298	0	%100
89	MP5A	X	5.713	5.713	0	%100
90	MP5A	Z	-3.298	-3.298	0	%100
91	M60	X	.61	.61	0	%100
92	M60	Z	-.352	-.352	0	%100
93	M61	X	8.993	8.993	0	%100
94	M61	Z	-5.192	-5.192	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.361	3.361	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	3.361	3.361	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.361	3.361	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	3.361	3.361	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	5.034	5.034	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	5.034	5.034	0	%100
16	M8	Z	0	0	0	%100



Company :
Designer :
Job Number :
Model Name :

Aug 12, 2023
12:20 PM
Checked By: _____

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
17	M9	X	3.857	3.857	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	3.857	3.857	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	4.431	4.431	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	4.431	4.431	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	3.857	3.857	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	3.857	3.857	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	4.431	4.431	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	4.431	4.431	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.531	.531	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.531	.531	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	.531	.531	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.531	.531	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	9.721	9.721	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	9.721	9.721	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	9.721	9.721	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	9.721	9.721	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	9.721	9.721	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	9.721	9.721	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	9.721	9.721	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	9.721	9.721	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	9.721	9.721	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	9.721	9.721	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	9.721	9.721	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	9.721	9.721	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	9.286	9.286	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	9.031	9.031	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	7.522	7.522	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	7.522	7.522	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	7.522	7.522	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
74	M37	Z	0	0	0	%100
75	M38	X	7.522	7.522	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	7.522	7.522	0	%100
78	M39	Z	0	0	0	%100
79	M40	X	7.522	7.522	0	%100
80	M40	Z	0	0	0	%100
81	MP1A	X	6.597	6.597	0	%100
82	MP1A	Z	0	0	0	%100
83	MP2A	X	6.597	6.597	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	7.375	7.375	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	6.597	6.597	0	%100
88	MP4A	Z	0	0	0	%100
89	MP5A	X	6.597	6.597	0	%100
90	MP5A	Z	0	0	0	%100
91	M60	X	5.158	5.158	0	%100
92	M60	Z	0	0	0	%100
93	M61	X	5.158	5.158	0	%100
94	M61	Z	0	0	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.729	1.729	0	%100
2	M1	Z	.998	.998	0	%100
3	M2	X	1.729	1.729	0	%100
4	M2	Z	.998	.998	0	%100
5	M3	X	5.357	5.357	0	%100
6	M3	Z	3.093	3.093	0	%100
7	M4	X	.41	.41	0	%100
8	M4	Z	.237	.237	0	%100
9	M5	X	5.357	5.357	0	%100
10	M5	Z	3.093	3.093	0	%100
11	M6	X	.41	.41	0	%100
12	M6	Z	.237	.237	0	%100
13	M7	X	4.36	4.36	0	%100
14	M7	Z	2.517	2.517	0	%100
15	M8	X	4.36	4.36	0	%100
16	M8	Z	2.517	2.517	0	%100
17	M9	X	2.757	2.757	0	%100
18	M9	Z	1.592	1.592	0	%100
19	M10	X	2.757	2.757	0	%100
20	M10	Z	1.592	1.592	0	%100
21	M11	X	3.837	3.837	0	%100
22	M11	Z	2.215	2.215	0	%100
23	M12	X	3.837	3.837	0	%100
24	M12	Z	2.215	2.215	0	%100
25	M13	X	3.91	3.91	0	%100
26	M13	Z	2.257	2.257	0	%100
27	M14	X	3.91	3.91	0	%100
28	M14	Z	2.257	2.257	0	%100
29	M15	X	3.837	3.837	0	%100
30	M15	Z	2.215	2.215	0	%100
31	M16	X	3.837	3.837	0	%100
32	M16	Z	2.215	2.215	0	%100



Aug 12, 2023
12:20 PM
Checked By: _____

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
33	M17	X	.846	.846	0	%100
34	M17	Z	.488	.488	0	%100
35	M18	X	.065	.065	0	%100
36	M18	Z	.037	.037	0	%100
37	M19	X	.846	.846	0	%100
38	M19	Z	.488	.488	0	%100
39	M20	X	.065	.065	0	%100
40	M20	Z	.037	.037	0	%100
41	M21	X	6.552	6.552	0	%100
42	M21	Z	3.783	3.783	0	%100
43	M22	X	6.552	6.552	0	%100
44	M22	Z	3.783	3.783	0	%100
45	M23	X	6.634	6.634	0	%100
46	M23	Z	3.83	3.83	0	%100
47	M24	X	6.552	6.552	0	%100
48	M24	Z	3.783	3.783	0	%100
49	M25	X	6.552	6.552	0	%100
50	M25	Z	3.783	3.783	0	%100
51	M26	X	6.634	6.634	0	%100
52	M26	Z	3.83	3.83	0	%100
53	M27	X	6.552	6.552	0	%100
54	M27	Z	3.783	3.783	0	%100
55	M28	X	6.552	6.552	0	%100
56	M28	Z	3.783	3.783	0	%100
57	M29	X	6.634	6.634	0	%100
58	M29	Z	3.83	3.83	0	%100
59	M30	X	6.552	6.552	0	%100
60	M30	Z	3.783	3.783	0	%100
61	M31	X	6.552	6.552	0	%100
62	M31	Z	3.783	3.783	0	%100
63	M32	X	6.634	6.634	0	%100
64	M32	Z	3.83	3.83	0	%100
65	M33	X	8.042	8.042	0	%100
66	M33	Z	4.643	4.643	0	%100
67	M34	X	4.142	4.142	0	%100
68	M34	Z	2.392	2.392	0	%100
69	M35	X	6.515	6.515	0	%100
70	M35	Z	3.761	3.761	0	%100
71	M36	X	6.515	6.515	0	%100
72	M36	Z	3.761	3.761	0	%100
73	M37	X	6.515	6.515	0	%100
74	M37	Z	3.761	3.761	0	%100
75	M38	X	6.515	6.515	0	%100
76	M38	Z	3.761	3.761	0	%100
77	M39	X	6.515	6.515	0	%100
78	M39	Z	3.761	3.761	0	%100
79	M40	X	6.515	6.515	0	%100
80	M40	Z	3.761	3.761	0	%100
81	MP1A	X	5.713	5.713	0	%100
82	MP1A	Z	3.298	3.298	0	%100
83	MP2A	X	5.713	5.713	0	%100
84	MP2A	Z	3.298	3.298	0	%100
85	MP3A	X	6.387	6.387	0	%100
86	MP3A	Z	3.687	3.687	0	%100
87	MP4A	X	5.713	5.713	0	%100
88	MP4A	Z	3.298	3.298	0	%100
89	MP5A	X	5.713	5.713	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
90	MP5A	Z	3.298	3.298	0	%100
91	M60	X	8.993	8.993	0	%100
92	M60	Z	5.192	5.192	0	%100
93	M61	X	.61	.61	0	%100
94	M61	Z	.352	.352	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.994	2.994	0	%100
2	M1	Z	5.187	5.187	0	%100
3	M2	X	2.994	2.994	0	%100
4	M2	Z	5.187	5.187	0	%100
5	M3	X	3.061	3.061	0	%100
6	M3	Z	5.302	5.302	0	%100
7	M4	X	.205	.205	0	%100
8	M4	Z	.356	.356	0	%100
9	M5	X	3.061	3.061	0	%100
10	M5	Z	5.302	5.302	0	%100
11	M6	X	.205	.205	0	%100
12	M6	Z	.356	.356	0	%100
13	M7	X	2.517	2.517	0	%100
14	M7	Z	4.36	4.36	0	%100
15	M8	X	2.517	2.517	0	%100
16	M8	Z	4.36	4.36	0	%100
17	M9	X	1.584	1.584	0	%100
18	M9	Z	2.744	2.744	0	%100
19	M10	X	1.584	1.584	0	%100
20	M10	Z	2.744	2.744	0	%100
21	M11	X	2.215	2.215	0	%100
22	M11	Z	3.837	3.837	0	%100
23	M12	X	2.215	2.215	0	%100
24	M12	Z	3.837	3.837	0	%100
25	M13	X	2.25	2.25	0	%100
26	M13	Z	3.897	3.897	0	%100
27	M14	X	2.25	2.25	0	%100
28	M14	Z	3.897	3.897	0	%100
29	M15	X	2.215	2.215	0	%100
30	M15	Z	3.837	3.837	0	%100
31	M16	X	2.215	2.215	0	%100
32	M16	Z	3.837	3.837	0	%100
33	M17	X	.483	.483	0	%100
34	M17	Z	.837	.837	0	%100
35	M18	X	.032	.032	0	%100
36	M18	Z	.056	.056	0	%100
37	M19	X	.483	.483	0	%100
38	M19	Z	.837	.837	0	%100
39	M20	X	.032	.032	0	%100
40	M20	Z	.056	.056	0	%100
41	M21	X	1.627	1.627	0	%100
42	M21	Z	2.819	2.819	0	%100
43	M22	X	1.627	1.627	0	%100
44	M22	Z	2.819	2.819	0	%100
45	M23	X	1.768	1.768	0	%100
46	M23	Z	3.063	3.063	0	%100
47	M24	X	1.627	1.627	0	%100
48	M24	Z	2.819	2.819	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
49	M25	X	1.627	1.627	0	%100
50	M25	Z	2.819	2.819	0	%100
51	M26	X	1.768	1.768	0	%100
52	M26	Z	3.063	3.063	0	%100
53	M27	X	1.627	1.627	0	%100
54	M27	Z	2.819	2.819	0	%100
55	M28	X	1.627	1.627	0	%100
56	M28	Z	2.819	2.819	0	%100
57	M29	X	1.768	1.768	0	%100
58	M29	Z	3.063	3.063	0	%100
59	M30	X	1.627	1.627	0	%100
60	M30	Z	2.819	2.819	0	%100
61	M31	X	1.627	1.627	0	%100
62	M31	Z	2.819	2.819	0	%100
63	M32	X	1.768	1.768	0	%100
64	M32	Z	3.063	3.063	0	%100
65	M33	X	4.643	4.643	0	%100
66	M33	Z	8.042	8.042	0	%100
67	M34	X	.307	.307	0	%100
68	M34	Z	.531	.531	0	%100
69	M35	X	3.761	3.761	0	%100
70	M35	Z	6.515	6.515	0	%100
71	M36	X	3.761	3.761	0	%100
72	M36	Z	6.515	6.515	0	%100
73	M37	X	3.761	3.761	0	%100
74	M37	Z	6.515	6.515	0	%100
75	M38	X	3.761	3.761	0	%100
76	M38	Z	6.515	6.515	0	%100
77	M39	X	3.761	3.761	0	%100
78	M39	Z	6.515	6.515	0	%100
79	M40	X	3.761	3.761	0	%100
80	M40	Z	6.515	6.515	0	%100
81	MP1A	X	3.298	3.298	0	%100
82	MP1A	Z	5.713	5.713	0	%100
83	MP2A	X	3.298	3.298	0	%100
84	MP2A	Z	5.713	5.713	0	%100
85	MP3A	X	3.687	3.687	0	%100
86	MP3A	Z	6.387	6.387	0	%100
87	MP4A	X	3.298	3.298	0	%100
88	MP4A	Z	5.713	5.713	0	%100
89	MP5A	X	3.298	3.298	0	%100
90	MP5A	Z	5.713	5.713	0	%100
91	M60	X	5.579	5.579	0	%100
92	M60	Z	9.663	9.663	0	%100
93	M61	X	.739	.739	0	%100
94	M61	Z	1.279	1.279	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	7.985	7.985	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	7.985	7.985	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	3.235	3.235	0	%100
7	M4	X	0	0	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
8	M4	Z	3.235	3.235	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	3.235	3.235	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	3.235	3.235	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	5.034	5.034	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	5.034	5.034	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	3.827	3.827	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	3.827	3.827	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	4.431	4.431	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	4.431	4.431	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	3.827	3.827	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	3.827	3.827	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	4.431	4.431	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	4.431	4.431	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	.511	.511	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.511	.511	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.511	.511	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.511	.511	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	1.099	1.099	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	1.099	1.099	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	1.476	1.476	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	1.099	1.099	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	1.099	1.099	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	1.476	1.476	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	1.099	1.099	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	1.099	1.099	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	1.476	1.476	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	1.099	1.099	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	1.099	1.099	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	1.476	1.476	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
65	M33	X	0	0	0	%100
66	M33	Z	9.286	9.286	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	.69	.69	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	7.522	7.522	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	7.522	7.522	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	7.522	7.522	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	7.522	7.522	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	7.522	7.522	0	%100
79	M40	X	0	0	0	%100
80	M40	Z	7.522	7.522	0	%100
81	MP1A	X	0	0	0	%100
82	MP1A	Z	6.597	6.597	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	6.597	6.597	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	7.375	7.375	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	6.597	6.597	0	%100
89	MP5A	X	0	0	0	%100
90	MP5A	Z	6.597	6.597	0	%100
91	M60	X	0	0	0	%100
92	M60	Z	6.704	6.704	0	%100
93	M61	X	0	0	0	%100
94	M61	Z	6.704	6.704	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.994	-2.994	0	%100
2	M1	Z	5.187	5.187	0	%100
3	M2	X	-2.994	-2.994	0	%100
4	M2	Z	5.187	5.187	0	%100
5	M3	X	-.205	-.205	0	%100
6	M3	Z	.356	.356	0	%100
7	M4	X	-3.061	-3.061	0	%100
8	M4	Z	5.302	5.302	0	%100
9	M5	X	-.205	-.205	0	%100
10	M5	Z	.356	.356	0	%100
11	M6	X	-3.061	-3.061	0	%100
12	M6	Z	5.302	5.302	0	%100
13	M7	X	-2.517	-2.517	0	%100
14	M7	Z	4.36	4.36	0	%100
15	M8	X	-2.517	-2.517	0	%100
16	M8	Z	4.36	4.36	0	%100
17	M9	X	-2.25	-2.25	0	%100
18	M9	Z	3.897	3.897	0	%100
19	M10	X	-2.25	-2.25	0	%100
20	M10	Z	3.897	3.897	0	%100
21	M11	X	-2.215	-2.215	0	%100
22	M11	Z	3.837	3.837	0	%100
23	M12	X	-2.215	-2.215	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
24	M12	Z	3.837	3.837	0	%100
25	M13	X	-1.584	-1.584	0	%100
26	M13	Z	2.744	2.744	0	%100
27	M14	X	-1.584	-1.584	0	%100
28	M14	Z	2.744	2.744	0	%100
29	M15	X	-2.215	-2.215	0	%100
30	M15	Z	3.837	3.837	0	%100
31	M16	X	-2.215	-2.215	0	%100
32	M16	Z	3.837	3.837	0	%100
33	M17	X	-.032	-.032	0	%100
34	M17	Z	.056	.056	0	%100
35	M18	X	-.483	-.483	0	%100
36	M18	Z	.837	.837	0	%100
37	M19	X	-.032	-.032	0	%100
38	M19	Z	.056	.056	0	%100
39	M20	X	-.483	-.483	0	%100
40	M20	Z	.837	.837	0	%100
41	M21	X	-1.627	-1.627	0	%100
42	M21	Z	2.819	2.819	0	%100
43	M22	X	-1.627	-1.627	0	%100
44	M22	Z	2.819	2.819	0	%100
45	M23	X	-1.768	-1.768	0	%100
46	M23	Z	3.063	3.063	0	%100
47	M24	X	-1.627	-1.627	0	%100
48	M24	Z	2.819	2.819	0	%100
49	M25	X	-1.627	-1.627	0	%100
50	M25	Z	2.819	2.819	0	%100
51	M26	X	-1.768	-1.768	0	%100
52	M26	Z	3.063	3.063	0	%100
53	M27	X	-1.627	-1.627	0	%100
54	M27	Z	2.819	2.819	0	%100
55	M28	X	-1.627	-1.627	0	%100
56	M28	Z	2.819	2.819	0	%100
57	M29	X	-1.768	-1.768	0	%100
58	M29	Z	3.063	3.063	0	%100
59	M30	X	-1.627	-1.627	0	%100
60	M30	Z	2.819	2.819	0	%100
61	M31	X	-1.627	-1.627	0	%100
62	M31	Z	2.819	2.819	0	%100
63	M32	X	-1.768	-1.768	0	%100
64	M32	Z	3.063	3.063	0	%100
65	M33	X	-4.643	-4.643	0	%100
66	M33	Z	8.042	8.042	0	%100
67	M34	X	-2.469	-2.469	0	%100
68	M34	Z	4.276	4.276	0	%100
69	M35	X	-3.761	-3.761	0	%100
70	M35	Z	6.515	6.515	0	%100
71	M36	X	-3.761	-3.761	0	%100
72	M36	Z	6.515	6.515	0	%100
73	M37	X	-3.761	-3.761	0	%100
74	M37	Z	6.515	6.515	0	%100
75	M38	X	-3.761	-3.761	0	%100
76	M38	Z	6.515	6.515	0	%100
77	M39	X	-3.761	-3.761	0	%100
78	M39	Z	6.515	6.515	0	%100
79	M40	X	-3.761	-3.761	0	%100
80	M40	Z	6.515	6.515	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
81	MP1A	X	-3.298	-3.298	0	%100
82	MP1A	Z	5.713	5.713	0	%100
83	MP2A	X	-3.298	-3.298	0	%100
84	MP2A	Z	5.713	5.713	0	%100
85	MP3A	X	-3.687	-3.687	0	%100
86	MP3A	Z	6.387	6.387	0	%100
87	MP4A	X	-3.298	-3.298	0	%100
88	MP4A	Z	5.713	5.713	0	%100
89	MP5A	X	-3.298	-3.298	0	%100
90	MP5A	Z	5.713	5.713	0	%100
91	M60	X	-.739	-.739	0	%100
92	M60	Z	1.279	1.279	0	%100
93	M61	X	-5.579	-5.579	0	%100
94	M61	Z	9.663	9.663	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.729	-1.729	0	%100
2	M1	Z	.998	.998	0	%100
3	M2	X	-1.729	-1.729	0	%100
4	M2	Z	.998	.998	0	%100
5	M3	X	-.41	-.41	0	%100
6	M3	Z	.237	.237	0	%100
7	M4	X	-5.357	-5.357	0	%100
8	M4	Z	3.093	3.093	0	%100
9	M5	X	-.41	-.41	0	%100
10	M5	Z	.237	.237	0	%100
11	M6	X	-5.357	-5.357	0	%100
12	M6	Z	3.093	3.093	0	%100
13	M7	X	-4.36	-4.36	0	%100
14	M7	Z	2.517	2.517	0	%100
15	M8	X	-4.36	-4.36	0	%100
16	M8	Z	2.517	2.517	0	%100
17	M9	X	-3.91	-3.91	0	%100
18	M9	Z	2.257	2.257	0	%100
19	M10	X	-3.91	-3.91	0	%100
20	M10	Z	2.257	2.257	0	%100
21	M11	X	-3.837	-3.837	0	%100
22	M11	Z	2.215	2.215	0	%100
23	M12	X	-3.837	-3.837	0	%100
24	M12	Z	2.215	2.215	0	%100
25	M13	X	-2.757	-2.757	0	%100
26	M13	Z	1.592	1.592	0	%100
27	M14	X	-2.757	-2.757	0	%100
28	M14	Z	1.592	1.592	0	%100
29	M15	X	-3.837	-3.837	0	%100
30	M15	Z	2.215	2.215	0	%100
31	M16	X	-3.837	-3.837	0	%100
32	M16	Z	2.215	2.215	0	%100
33	M17	X	-.065	-.065	0	%100
34	M17	Z	.037	.037	0	%100
35	M18	X	-.846	-.846	0	%100
36	M18	Z	.488	.488	0	%100
37	M19	X	-.065	-.065	0	%100
38	M19	Z	.037	.037	0	%100
39	M20	X	-.846	-.846	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
40	M20	Z	.488	.488	0	%100
41	M21	X	-6.552	-6.552	0	%100
42	M21	Z	3.783	3.783	0	%100
43	M22	X	-6.552	-6.552	0	%100
44	M22	Z	3.783	3.783	0	%100
45	M23	X	-6.634	-6.634	0	%100
46	M23	Z	3.83	3.83	0	%100
47	M24	X	-6.552	-6.552	0	%100
48	M24	Z	3.783	3.783	0	%100
49	M25	X	-6.552	-6.552	0	%100
50	M25	Z	3.783	3.783	0	%100
51	M26	X	-6.634	-6.634	0	%100
52	M26	Z	3.83	3.83	0	%100
53	M27	X	-6.552	-6.552	0	%100
54	M27	Z	3.783	3.783	0	%100
55	M28	X	-6.552	-6.552	0	%100
56	M28	Z	3.783	3.783	0	%100
57	M29	X	-6.634	-6.634	0	%100
58	M29	Z	3.83	3.83	0	%100
59	M30	X	-6.552	-6.552	0	%100
60	M30	Z	3.783	3.783	0	%100
61	M31	X	-6.552	-6.552	0	%100
62	M31	Z	3.783	3.783	0	%100
63	M32	X	-6.634	-6.634	0	%100
64	M32	Z	3.83	3.83	0	%100
65	M33	X	-8.042	-8.042	0	%100
66	M33	Z	4.643	4.643	0	%100
67	M34	X	-7.888	-7.888	0	%100
68	M34	Z	4.554	4.554	0	%100
69	M35	X	-6.515	-6.515	0	%100
70	M35	Z	3.761	3.761	0	%100
71	M36	X	-6.515	-6.515	0	%100
72	M36	Z	3.761	3.761	0	%100
73	M37	X	-6.515	-6.515	0	%100
74	M37	Z	3.761	3.761	0	%100
75	M38	X	-6.515	-6.515	0	%100
76	M38	Z	3.761	3.761	0	%100
77	M39	X	-6.515	-6.515	0	%100
78	M39	Z	3.761	3.761	0	%100
79	M40	X	-6.515	-6.515	0	%100
80	M40	Z	3.761	3.761	0	%100
81	MP1A	X	-5.713	-5.713	0	%100
82	MP1A	Z	3.298	3.298	0	%100
83	MP2A	X	-5.713	-5.713	0	%100
84	MP2A	Z	3.298	3.298	0	%100
85	MP3A	X	-6.387	-6.387	0	%100
86	MP3A	Z	3.687	3.687	0	%100
87	MP4A	X	-5.713	-5.713	0	%100
88	MP4A	Z	3.298	3.298	0	%100
89	MP5A	X	-5.713	-5.713	0	%100
90	MP5A	Z	3.298	3.298	0	%100
91	M60	X	-.61	-.61	0	%100
92	M60	Z	.352	.352	0	%100
93	M61	X	-8.993	-8.993	0	%100
94	M61	Z	5.192	5.192	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.361	-3.361	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-3.361	-3.361	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.361	-3.361	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-3.361	-3.361	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-5.034	-5.034	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-5.034	-5.034	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-3.857	-3.857	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-3.857	-3.857	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-4.431	-4.431	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-4.431	-4.431	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-3.857	-3.857	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-3.857	-3.857	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-4.431	-4.431	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-4.431	-4.431	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-.531	-.531	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.531	-.531	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-.531	-.531	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.531	-.531	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-9.721	-9.721	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-9.721	-9.721	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-9.721	-9.721	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-9.721	-9.721	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-9.721	-9.721	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-9.721	-9.721	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-9.721	-9.721	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-9.721	-9.721	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-9.721	-9.721	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M29	Z	0	0	0	%100
59	M30	X	-9.721	-9.721	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-9.721	-9.721	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-9.721	-9.721	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-9.286	-9.286	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	-9.031	-9.031	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	-7.522	-7.522	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	-7.522	-7.522	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	-7.522	-7.522	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	-7.522	-7.522	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	-7.522	-7.522	0	%100
78	M39	Z	0	0	0	%100
79	M40	X	-7.522	-7.522	0	%100
80	M40	Z	0	0	0	%100
81	MP1A	X	-6.597	-6.597	0	%100
82	MP1A	Z	0	0	0	%100
83	MP2A	X	-6.597	-6.597	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	-7.375	-7.375	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	-6.597	-6.597	0	%100
88	MP4A	Z	0	0	0	%100
89	MP5A	X	-6.597	-6.597	0	%100
90	MP5A	Z	0	0	0	%100
91	M60	X	-5.158	-5.158	0	%100
92	M60	Z	0	0	0	%100
93	M61	X	-5.158	-5.158	0	%100
94	M61	Z	0	0	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.729	-1.729	0	%100
2	M1	Z	-.998	-.998	0	%100
3	M2	X	-1.729	-1.729	0	%100
4	M2	Z	-.998	-.998	0	%100
5	M3	X	-5.357	-5.357	0	%100
6	M3	Z	-3.093	-3.093	0	%100
7	M4	X	-.41	-.41	0	%100
8	M4	Z	-.237	-.237	0	%100
9	M5	X	-5.357	-5.357	0	%100
10	M5	Z	-3.093	-3.093	0	%100
11	M6	X	-.41	-.41	0	%100
12	M6	Z	-.237	-.237	0	%100
13	M7	X	-4.36	-4.36	0	%100
14	M7	Z	-2.517	-2.517	0	%100
15	M8	X	-4.36	-4.36	0	%100
16	M8	Z	-2.517	-2.517	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
17	M9	X	-2.757	-2.757	0	%100
18	M9	Z	-1.592	-1.592	0	%100
19	M10	X	-2.757	-2.757	0	%100
20	M10	Z	-1.592	-1.592	0	%100
21	M11	X	-3.837	-3.837	0	%100
22	M11	Z	-2.215	-2.215	0	%100
23	M12	X	-3.837	-3.837	0	%100
24	M12	Z	-2.215	-2.215	0	%100
25	M13	X	-3.91	-3.91	0	%100
26	M13	Z	-2.257	-2.257	0	%100
27	M14	X	-3.91	-3.91	0	%100
28	M14	Z	-2.257	-2.257	0	%100
29	M15	X	-3.837	-3.837	0	%100
30	M15	Z	-2.215	-2.215	0	%100
31	M16	X	-3.837	-3.837	0	%100
32	M16	Z	-2.215	-2.215	0	%100
33	M17	X	-846	-846	0	%100
34	M17	Z	-488	-488	0	%100
35	M18	X	-065	-065	0	%100
36	M18	Z	-037	-037	0	%100
37	M19	X	-846	-846	0	%100
38	M19	Z	-488	-488	0	%100
39	M20	X	-065	-065	0	%100
40	M20	Z	-037	-037	0	%100
41	M21	X	-6.552	-6.552	0	%100
42	M21	Z	-3.783	-3.783	0	%100
43	M22	X	-6.552	-6.552	0	%100
44	M22	Z	-3.783	-3.783	0	%100
45	M23	X	-6.634	-6.634	0	%100
46	M23	Z	-3.83	-3.83	0	%100
47	M24	X	-6.552	-6.552	0	%100
48	M24	Z	-3.783	-3.783	0	%100
49	M25	X	-6.552	-6.552	0	%100
50	M25	Z	-3.783	-3.783	0	%100
51	M26	X	-6.634	-6.634	0	%100
52	M26	Z	-3.83	-3.83	0	%100
53	M27	X	-6.552	-6.552	0	%100
54	M27	Z	-3.783	-3.783	0	%100
55	M28	X	-6.552	-6.552	0	%100
56	M28	Z	-3.783	-3.783	0	%100
57	M29	X	-6.634	-6.634	0	%100
58	M29	Z	-3.83	-3.83	0	%100
59	M30	X	-6.552	-6.552	0	%100
60	M30	Z	-3.783	-3.783	0	%100
61	M31	X	-6.552	-6.552	0	%100
62	M31	Z	-3.783	-3.783	0	%100
63	M32	X	-6.634	-6.634	0	%100
64	M32	Z	-3.83	-3.83	0	%100
65	M33	X	-8.042	-8.042	0	%100
66	M33	Z	-4.643	-4.643	0	%100
67	M34	X	-4.142	-4.142	0	%100
68	M34	Z	-2.392	-2.392	0	%100
69	M35	X	-6.515	-6.515	0	%100
70	M35	Z	-3.761	-3.761	0	%100
71	M36	X	-6.515	-6.515	0	%100
72	M36	Z	-3.761	-3.761	0	%100
73	M37	X	-6.515	-6.515	0	%100



Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

Member Distributed Load						
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
33	M17	X	-.483	-.483	0	%100
34	M17	Z	-.837	-.837	0	%100
35	M18	X	-.032	-.032	0	%100
36	M18	Z	-.056	-.056	0	%100
37	M19	X	-.483	-.483	0	%100
38	M19	Z	-.837	-.837	0	%100
39	M20	X	-.032	-.032	0	%100
40	M20	Z	-.056	-.056	0	%100
41	M21	X	-1.627	-1.627	0	%100
42	M21	Z	-2.819	-2.819	0	%100
43	M22	X	-1.627	-1.627	0	%100
44	M22	Z	-2.819	-2.819	0	%100
45	M23	X	-1.768	-1.768	0	%100
46	M23	Z	-3.063	-3.063	0	%100
47	M24	X	-1.627	-1.627	0	%100
48	M24	Z	-2.819	-2.819	0	%100
49	M25	X	-1.627	-1.627	0	%100
50	M25	Z	-2.819	-2.819	0	%100
51	M26	X	-1.768	-1.768	0	%100
52	M26	Z	-3.063	-3.063	0	%100
53	M27	X	-1.627	-1.627	0	%100
54	M27	Z	-2.819	-2.819	0	%100
55	M28	X	-1.627	-1.627	0	%100
56	M28	Z	-2.819	-2.819	0	%100
57	M29	X	-1.768	-1.768	0	%100
58	M29	Z	-3.063	-3.063	0	%100
59	M30	X	-1.627	-1.627	0	%100
60	M30	Z	-2.819	-2.819	0	%100
61	M31	X	-1.627	-1.627	0	%100
62	M31	Z	-2.819	-2.819	0	%100
63	M32	X	-1.768	-1.768	0	%100
64	M32	Z	-3.063	-3.063	0	%100
65	M33	X	-4.643	-4.643	0	%100
66	M33	Z	-8.042	-8.042	0	%100
67	M34	X	-.307	-.307	0	%100
68	M34	Z	-.531	-.531	0	%100
69	M35	X	-3.761	-3.761	0	%100
70	M35	Z	-6.515	-6.515	0	%100
71	M36	X	-3.761	-3.761	0	%100
72	M36	Z	-6.515	-6.515	0	%100
73	M37	X	-3.761	-3.761	0	%100
74	M37	Z	-6.515	-6.515	0	%100
75	M38	X	-3.761	-3.761	0	%100
76	M38	Z	-6.515	-6.515	0	%100
77	M39	X	-3.761	-3.761	0	%100
78	M39	Z	-6.515	-6.515	0	%100
79	M40	X	-3.761	-3.761	0	%100
80	M40	Z	-6.515	-6.515	0	%100
81	MP1A	X	-3.298	-3.298	0	%100
82	MP1A	Z	-5.713	-5.713	0	%100
83	MP2A	X	-3.298	-3.298	0	%100
84	MP2A	Z	-5.713	-5.713	0	%100
85	MP3A	X	-3.687	-3.687	0	%100
86	MP3A	Z	-6.387	-6.387	0	%100
87	MP4A	X	-3.298	-3.298	0	%100
88	MP4A	Z	-5.713	-5.713	0	%100
89	MP5A	X	-3.298	-3.298	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
90	MP5A	Z	-5.713	-5.713	0	%100
91	M60	X	-5.579	-5.579	0	%100
92	M60	Z	-9.663	-9.663	0	%100
93	M61	X	-7.39	-7.39	0	%100
94	M61	Z	-1.279	-1.279	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-2.568	-2.568	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.568	-2.568	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.135	-1.135	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-1.135	-1.135	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-1.135	-1.135	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.135	-1.135	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.788	-1.788	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-1.788	-1.788	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-1.585	-1.585	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-1.585	-1.585	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-1.762	-1.762	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-1.762	-1.762	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-1.585	-1.585	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-1.585	-1.585	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-1.762	-1.762	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-1.762	-1.762	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-411	-411	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-411	-411	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-411	-411	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-411	-411	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-848	-848	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-848	-848	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-922	-922	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-848	-848	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
49	M25	X	0	0	0	%100
50	M25	Z	-848	-848	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-922	-922	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-848	-848	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-848	-848	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-922	-922	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-848	-848	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-848	-848	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-922	-922	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-2.899	-2.899	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	-205	-205	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	-2.355	-2.355	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	-2.355	-2.355	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	-2.355	-2.355	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	-2.355	-2.355	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	-2.355	-2.355	0	%100
79	M40	X	0	0	0	%100
80	M40	Z	-2.355	-2.355	0	%100
81	MP1A	X	0	0	0	%100
82	MP1A	Z	-2.315	-2.315	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-2.315	-2.315	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	-2.457	-2.457	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-2.315	-2.315	0	%100
89	MP5A	X	0	0	0	%100
90	MP5A	Z	-2.315	-2.315	0	%100
91	M60	X	0	0	0	%100
92	M60	Z	-1.867	-1.867	0	%100
93	M61	X	0	0	0	%100
94	M61	Z	-1.867	-1.867	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.963	.963	0	%100
2	M1	Z	-1.668	-1.668	0	%100
3	M2	X	.963	.963	0	%100
4	M2	Z	-1.668	-1.668	0	%100
5	M3	X	.072	.072	0	%100
6	M3	Z	-.125	-.125	0	%100
7	M4	X	1.074	1.074	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F....	Start Location[ft.%]	End Location[ft.%]
65	M33	X	1.45	1.45	0	%100
66	M33	Z	-2.511	-2.511	0	%100
67	M34	X	.733	.733	0	%100
68	M34	Z	-1.269	-1.269	0	%100
69	M35	X	1.177	1.177	0	%100
70	M35	Z	-2.039	-2.039	0	%100
71	M36	X	1.177	1.177	0	%100
72	M36	Z	-2.039	-2.039	0	%100
73	M37	X	1.177	1.177	0	%100
74	M37	Z	-2.039	-2.039	0	%100
75	M38	X	1.177	1.177	0	%100
76	M38	Z	-2.039	-2.039	0	%100
77	M39	X	1.177	1.177	0	%100
78	M39	Z	-2.039	-2.039	0	%100
79	M40	X	1.177	1.177	0	%100
80	M40	Z	-2.039	-2.039	0	%100
81	MP1A	X	1.157	1.157	0	%100
82	MP1A	Z	-2.004	-2.004	0	%100
83	MP2A	X	1.157	1.157	0	%100
84	MP2A	Z	-2.004	-2.004	0	%100
85	MP3A	X	1.228	1.228	0	%100
86	MP3A	Z	-2.127	-2.127	0	%100
87	MP4A	X	1.157	1.157	0	%100
88	MP4A	Z	-2.004	-2.004	0	%100
89	MP5A	X	1.157	1.157	0	%100
90	MP5A	Z	-2.004	-2.004	0	%100
91	M60	X	.206	.206	0	%100
92	M60	Z	-.356	-.356	0	%100
93	M61	X	1.554	1.554	0	%100
94	M61	Z	-2.691	-2.691	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.556	.556	0	%100
2	M1	Z	-.321	-.321	0	%100
3	M2	X	.556	.556	0	%100
4	M2	Z	-.321	-.321	0	%100
5	M3	X	.144	.144	0	%100
6	M3	Z	-.083	-.083	0	%100
7	M4	X	1.88	1.88	0	%100
8	M4	Z	-1.085	-1.085	0	%100
9	M5	X	.144	.144	0	%100
10	M5	Z	-.083	-.083	0	%100
11	M6	X	1.88	1.88	0	%100
12	M6	Z	-1.085	-1.085	0	%100
13	M7	X	1.548	1.548	0	%100
14	M7	Z	-.894	-.894	0	%100
15	M8	X	1.548	1.548	0	%100
16	M8	Z	-.894	-.894	0	%100
17	M9	X	1.62	1.62	0	%100
18	M9	Z	-.935	-.935	0	%100
19	M10	X	1.62	1.62	0	%100
20	M10	Z	-.935	-.935	0	%100
21	M11	X	1.526	1.526	0	%100
22	M11	Z	-.881	-.881	0	%100
23	M12	X	1.526	1.526	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude(lb/ft....	End Magnitude(lb/ft.F...	Start Location(ft.%)	End Location(ft.%)
24	M12	Z	- .881	- .881	0	%100
25	M13	X	1.142	1.142	0	%100
26	M13	Z	- .659	- .659	0	%100
27	M14	X	1.142	1.142	0	%100
28	M14	Z	- .659	- .659	0	%100
29	M15	X	1.526	1.526	0	%100
30	M15	Z	- .881	- .881	0	%100
31	M16	X	1.526	1.526	0	%100
32	M16	Z	- .881	- .881	0	%100
33	M17	X	.052	.052	0	%100
34	M17	Z	- .03	- .03	0	%100
35	M18	X	.68	.68	0	%100
36	M18	Z	- .393	- .393	0	%100
37	M19	X	.052	.052	0	%100
38	M19	Z	- .03	- .03	0	%100
39	M20	X	.68	.68	0	%100
40	M20	Z	- .393	- .393	0	%100
41	M21	X	1.757	1.757	0	%100
42	M21	Z	-1.015	-1.015	0	%100
43	M22	X	1.757	1.757	0	%100
44	M22	Z	-1.015	-1.015	0	%100
45	M23	X	1.776	1.776	0	%100
46	M23	Z	-1.026	-1.026	0	%100
47	M24	X	1.757	1.757	0	%100
48	M24	Z	-1.015	-1.015	0	%100
49	M25	X	1.757	1.757	0	%100
50	M25	Z	-1.015	-1.015	0	%100
51	M26	X	1.776	1.776	0	%100
52	M26	Z	-1.026	-1.026	0	%100
53	M27	X	1.757	1.757	0	%100
54	M27	Z	-1.015	-1.015	0	%100
55	M28	X	1.757	1.757	0	%100
56	M28	Z	-1.015	-1.015	0	%100
57	M29	X	1.776	1.776	0	%100
58	M29	Z	-1.026	-1.026	0	%100
59	M30	X	1.757	1.757	0	%100
60	M30	Z	-1.015	-1.015	0	%100
61	M31	X	1.757	1.757	0	%100
62	M31	Z	-1.015	-1.015	0	%100
63	M32	X	1.776	1.776	0	%100
64	M32	Z	-1.026	-1.026	0	%100
65	M33	X	2.511	2.511	0	%100
66	M33	Z	-1.45	-1.45	0	%100
67	M34	X	2.341	2.341	0	%100
68	M34	Z	-1.352	-1.352	0	%100
69	M35	X	2.039	2.039	0	%100
70	M35	Z	-1.177	-1.177	0	%100
71	M36	X	2.039	2.039	0	%100
72	M36	Z	-1.177	-1.177	0	%100
73	M37	X	2.039	2.039	0	%100
74	M37	Z	-1.177	-1.177	0	%100
75	M38	X	2.039	2.039	0	%100
76	M38	Z	-1.177	-1.177	0	%100
77	M39	X	2.039	2.039	0	%100
78	M39	Z	-1.177	-1.177	0	%100
79	M40	X	2.039	2.039	0	%100
80	M40	Z	-1.177	-1.177	0	%100

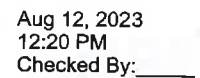


Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
81	MP1A	X	2.004	2.004	0	%100
82	MP1A	Z	-1.157	-1.157	0	%100
83	MP2A	X	2.004	2.004	0	%100
84	MP2A	Z	-1.157	-1.157	0	%100
85	MP3A	X	2.127	2.127	0	%100
86	MP3A	Z	-1.228	-1.228	0	%100
87	MP4A	X	2.004	2.004	0	%100
88	MP4A	Z	-1.157	-1.157	0	%100
89	MP5A	X	2.004	2.004	0	%100
90	MP5A	Z	-1.157	-1.157	0	%100
91	M60	X	.17	.17	0	%100
92	M60	Z	-.098	-.098	0	%100
93	M61	X	2.505	2.505	0	%100
94	M61	Z	-1.446	-1.446	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg))

Member	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.179	1.179	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.179	1.179	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.179	1.179	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.179	1.179	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	1.788	1.788	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	1.788	1.788	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	1.597	1.597	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	1.597	1.597	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	1.762	1.762	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	1.762	1.762	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	1.597	1.597	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	1.597	1.597	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	1.762	1.762	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	1.762	1.762	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.427	.427	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.427	.427	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	.427	.427	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.427	.427	0	%100



	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft,%]	End Location[ft,%]
40	M20	Z	0	0	0	%100
41	M21	X	2.423	2.423	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	2.423	2.423	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	2.428	2.428	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	2.423	2.423	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	2.423	2.423	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	2.428	2.428	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	2.423	2.423	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	2.423	2.423	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	2.428	2.428	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	2.423	2.423	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	2.423	2.423	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	2.428	2.428	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	2.899	2.899	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	2.68	2.68	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	2.355	2.355	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	2.355	2.355	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	2.355	2.355	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	2.355	2.355	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	2.355	2.355	0	%100
78	M39	Z	0	0	0	%100
79	M40	X	2.355	2.355	0	%100
80	M40	Z	0	0	0	%100
81	MP1A	X	2.315	2.315	0	%100
82	MP1A	Z	0	0	0	%100
83	MP2A	X	2.315	2.315	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	2.457	2.457	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	2.315	2.315	0	%100
88	MP4A	Z	0	0	0	%100
89	MP5A	X	2.315	2.315	0	%100
90	MP5A	Z	0	0	0	%100
91	M60	X	1.437	1.437	0	%100
92	M60	Z	0	0	0	%100
93	M61	X	1.437	1.437	0	%100
94	M61	Z	0	0	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.556	.556	0	%100
2	M1	Z	.321	.321	0	%100
3	M2	X	.556	.556	0	%100
4	M2	Z	.321	.321	0	%100
5	M3	X	1.88	1.88	0	%100
6	M3	Z	1.085	1.085	0	%100
7	M4	X	.144	.144	0	%100
8	M4	Z	.083	.083	0	%100
9	M5	X	1.88	1.88	0	%100
10	M5	Z	1.085	1.085	0	%100
11	M6	X	.144	.144	0	%100
12	M6	Z	.083	.083	0	%100
13	M7	X	1.548	1.548	0	%100
14	M7	Z	.894	.894	0	%100
15	M8	X	1.548	1.548	0	%100
16	M8	Z	.894	.894	0	%100
17	M9	X	1.142	1.142	0	%100
18	M9	Z	.659	.659	0	%100
19	M10	X	1.142	1.142	0	%100
20	M10	Z	.659	.659	0	%100
21	M11	X	1.526	1.526	0	%100
22	M11	Z	.881	.881	0	%100
23	M12	X	1.526	1.526	0	%100
24	M12	Z	.881	.881	0	%100
25	M13	X	1.62	1.62	0	%100
26	M13	Z	.935	.935	0	%100
27	M14	X	1.62	1.62	0	%100
28	M14	Z	.935	.935	0	%100
29	M15	X	1.526	1.526	0	%100
30	M15	Z	.881	.881	0	%100
31	M16	X	1.526	1.526	0	%100
32	M16	Z	.881	.881	0	%100
33	M17	X	.68	.68	0	%100
34	M17	Z	.393	.393	0	%100
35	M18	X	.052	.052	0	%100
36	M18	Z	.03	.03	0	%100
37	M19	X	.68	.68	0	%100
38	M19	Z	.393	.393	0	%100
39	M20	X	.052	.052	0	%100
40	M20	Z	.03	.03	0	%100
41	M21	X	1.757	1.757	0	%100
42	M21	Z	1.015	1.015	0	%100
43	M22	X	1.757	1.757	0	%100
44	M22	Z	1.015	1.015	0	%100
45	M23	X	1.776	1.776	0	%100
46	M23	Z	1.026	1.026	0	%100
47	M24	X	1.757	1.757	0	%100
48	M24	Z	1.015	1.015	0	%100
49	M25	X	1.757	1.757	0	%100
50	M25	Z	1.015	1.015	0	%100
51	M26	X	1.776	1.776	0	%100
52	M26	Z	1.026	1.026	0	%100
53	M27	X	1.757	1.757	0	%100
54	M27	Z	1.015	1.015	0	%100
55	M28	X	1.757	1.757	0	%100
56	M28	Z	1.015	1.015	0	%100
57	M29	X	1.776	1.776	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M29	Z	1.026	1.026	0	%100
59	M30	X	1.757	1.757	0	%100
60	M30	Z	1.015	1.015	0	%100
61	M31	X	1.757	1.757	0	%100
62	M31	Z	1.015	1.015	0	%100
63	M32	X	1.776	1.776	0	%100
64	M32	Z	1.026	1.026	0	%100
65	M33	X	2.511	2.511	0	%100
66	M33	Z	1.45	1.45	0	%100
67	M34	X	1.229	1.229	0	%100
68	M34	Z	.71	.71	0	%100
69	M35	X	2.039	2.039	0	%100
70	M35	Z	1.177	1.177	0	%100
71	M36	X	2.039	2.039	0	%100
72	M36	Z	1.177	1.177	0	%100
73	M37	X	2.039	2.039	0	%100
74	M37	Z	1.177	1.177	0	%100
75	M38	X	2.039	2.039	0	%100
76	M38	Z	1.177	1.177	0	%100
77	M39	X	2.039	2.039	0	%100
78	M39	Z	1.177	1.177	0	%100
79	M40	X	2.039	2.039	0	%100
80	M40	Z	1.177	1.177	0	%100
81	MP1A	X	2.004	2.004	0	%100
82	MP1A	Z	1.157	1.157	0	%100
83	MP2A	X	2.004	2.004	0	%100
84	MP2A	Z	1.157	1.157	0	%100
85	MP3A	X	2.127	2.127	0	%100
86	MP3A	Z	1.228	1.228	0	%100
87	MP4A	X	2.004	2.004	0	%100
88	MP4A	Z	1.157	1.157	0	%100
89	MP5A	X	2.004	2.004	0	%100
90	MP5A	Z	1.157	1.157	0	%100
91	M60	X	2.505	2.505	0	%100
92	M60	Z	1.446	1.446	0	%100
93	M61	X	.17	.17	0	%100
94	M61	Z	.098	.098	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.963	.963	0	%100
2	M1	Z	1.668	1.668	0	%100
3	M2	X	.963	.963	0	%100
4	M2	Z	1.668	1.668	0	%100
5	M3	X	1.074	1.074	0	%100
6	M3	Z	1.86	1.86	0	%100
7	M4	X	.072	.072	0	%100
8	M4	Z	.125	.125	0	%100
9	M5	X	1.074	1.074	0	%100
10	M5	Z	1.86	1.86	0	%100
11	M6	X	.072	.072	0	%100
12	M6	Z	.125	.125	0	%100
13	M7	X	.894	.894	0	%100
14	M7	Z	1.548	1.548	0	%100
15	M8	X	.894	.894	0	%100
16	M8	Z	1.548	1.548	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
17	M9	X	.656	.656	0	%100
18	M9	Z	1.137	1.137	0	%100
19	M10	X	.656	.656	0	%100
20	M10	Z	1.137	1.137	0	%100
21	M11	X	.881	.881	0	%100
22	M11	Z	1.526	1.526	0	%100
23	M12	X	.881	.881	0	%100
24	M12	Z	1.526	1.526	0	%100
25	M13	X	.932	.932	0	%100
26	M13	Z	1.614	1.614	0	%100
27	M14	X	.932	.932	0	%100
28	M14	Z	1.614	1.614	0	%100
29	M15	X	.881	.881	0	%100
30	M15	Z	1.526	1.526	0	%100
31	M16	X	.881	.881	0	%100
32	M16	Z	1.526	1.526	0	%100
33	M17	X	.389	.389	0	%100
34	M17	Z	.673	.673	0	%100
35	M18	X	.026	.026	0	%100
36	M18	Z	.045	.045	0	%100
37	M19	X	.389	.389	0	%100
38	M19	Z	.673	.673	0	%100
39	M20	X	.026	.026	0	%100
40	M20	Z	.045	.045	0	%100
41	M21	X	.621	.621	0	%100
42	M21	Z	1.075	1.075	0	%100
43	M22	X	.621	.621	0	%100
44	M22	Z	1.075	1.075	0	%100
45	M23	X	.649	.649	0	%100
46	M23	Z	1.124	1.124	0	%100
47	M24	X	.621	.621	0	%100
48	M24	Z	1.075	1.075	0	%100
49	M25	X	.621	.621	0	%100
50	M25	Z	1.075	1.075	0	%100
51	M26	X	.649	.649	0	%100
52	M26	Z	1.124	1.124	0	%100
53	M27	X	.621	.621	0	%100
54	M27	Z	1.075	1.075	0	%100
55	M28	X	.621	.621	0	%100
56	M28	Z	1.075	1.075	0	%100
57	M29	X	.649	.649	0	%100
58	M29	Z	1.124	1.124	0	%100
59	M30	X	.621	.621	0	%100
60	M30	Z	1.075	1.075	0	%100
61	M31	X	.621	.621	0	%100
62	M31	Z	1.075	1.075	0	%100
63	M32	X	.649	.649	0	%100
64	M32	Z	1.124	1.124	0	%100
65	M33	X	1.45	1.45	0	%100
66	M33	Z	2.511	2.511	0	%100
67	M34	X	.091	.091	0	%100
68	M34	Z	.158	.158	0	%100
69	M35	X	1.177	1.177	0	%100
70	M35	Z	2.039	2.039	0	%100
71	M36	X	1.177	1.177	0	%100
72	M36	Z	2.039	2.039	0	%100
73	M37	X	1.177	1.177	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
74	M37	Z	2.039	2.039	0	%100
75	M38	X	1.177	1.177	0	%100
76	M38	Z	2.039	2.039	0	%100
77	M39	X	1.177	1.177	0	%100
78	M39	Z	2.039	2.039	0	%100
79	M40	X	1.177	1.177	0	%100
80	M40	Z	2.039	2.039	0	%100
81	MP1A	X	1.157	1.157	0	%100
82	MP1A	Z	2.004	2.004	0	%100
83	MP2A	X	1.157	1.157	0	%100
84	MP2A	Z	2.004	2.004	0	%100
85	MP3A	X	1.228	1.228	0	%100
86	MP3A	Z	2.127	2.127	0	%100
87	MP4A	X	1.157	1.157	0	%100
88	MP4A	Z	2.004	2.004	0	%100
89	MP5A	X	1.157	1.157	0	%100
90	MP5A	Z	2.004	2.004	0	%100
91	M60	X	1.554	1.554	0	%100
92	M60	Z	2.691	2.691	0	%100
93	M61	X	.206	.206	0	%100
94	M61	Z	.356	.356	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	2.568	2.568	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.568	2.568	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.135	1.135	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	1.135	1.135	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	1.135	1.135	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.135	1.135	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.788	1.788	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	1.788	1.788	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	1.585	1.585	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	1.585	1.585	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	1.762	1.762	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	1.762	1.762	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	1.585	1.585	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	1.585	1.585	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	1.762	1.762	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	1.762	1.762	0	%100



Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

Member Distributed Loads (250 cc / 1.000 ft)						
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
33	M17	X	0	0	0	%100
34	M17	Z	.411	.411	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.411	.411	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.411	.411	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.411	.411	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.848	.848	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	.848	.848	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	.922	.922	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	.848	.848	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	.848	.848	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	.922	.922	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	.848	.848	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	.848	.848	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	.922	.922	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	.848	.848	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	.848	.848	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	.922	.922	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	2.899	2.899	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	.205	.205	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	2.355	2.355	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	2.355	2.355	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	2.355	2.355	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	2.355	2.355	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	2.355	2.355	0	%100
79	M40	X	0	0	0	%100
80	M40	Z	2.355	2.355	0	%100
81	MP1A	X	0	0	0	%100
82	MP1A	Z	2.315	2.315	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	2.315	2.315	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	2.457	2.457	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	2.315	2.315	0	%100
89	MP5A	X	0	0	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
90	MP5A	Z	2.315	2.315	0	%100
91	M60	X	0	0	0	%100
92	M60	Z	1.867	1.867	0	%100
93	M61	X	0	0	0	%100
94	M61	Z	1.867	1.867	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.963	-.963	0	%100
2	M1	Z	1.668	1.668	0	%100
3	M2	X	-.963	-.963	0	%100
4	M2	Z	1.668	1.668	0	%100
5	M3	X	-.072	-.072	0	%100
6	M3	Z	.125	.125	0	%100
7	M4	X	-1.074	-1.074	0	%100
8	M4	Z	1.86	1.86	0	%100
9	M5	X	-.072	-.072	0	%100
10	M5	Z	.125	.125	0	%100
11	M6	X	-1.074	-1.074	0	%100
12	M6	Z	1.86	1.86	0	%100
13	M7	X	-.894	-.894	0	%100
14	M7	Z	1.548	1.548	0	%100
15	M8	X	-.894	-.894	0	%100
16	M8	Z	1.548	1.548	0	%100
17	M9	X	-.932	-.932	0	%100
18	M9	Z	1.614	1.614	0	%100
19	M10	X	-.932	-.932	0	%100
20	M10	Z	1.614	1.614	0	%100
21	M11	X	-.881	-.881	0	%100
22	M11	Z	1.526	1.526	0	%100
23	M12	X	-.881	-.881	0	%100
24	M12	Z	1.526	1.526	0	%100
25	M13	X	-.656	-.656	0	%100
26	M13	Z	1.137	1.137	0	%100
27	M14	X	-.656	-.656	0	%100
28	M14	Z	1.137	1.137	0	%100
29	M15	X	-.881	-.881	0	%100
30	M15	Z	1.526	1.526	0	%100
31	M16	X	-.881	-.881	0	%100
32	M16	Z	1.526	1.526	0	%100
33	M17	X	-.026	-.026	0	%100
34	M17	Z	.045	.045	0	%100
35	M18	X	-.389	-.389	0	%100
36	M18	Z	.673	.673	0	%100
37	M19	X	-.026	-.026	0	%100
38	M19	Z	.045	.045	0	%100
39	M20	X	-.389	-.389	0	%100
40	M20	Z	.673	.673	0	%100
41	M21	X	-.621	-.621	0	%100
42	M21	Z	1.075	1.075	0	%100
43	M22	X	-.621	-.621	0	%100
44	M22	Z	1.075	1.075	0	%100
45	M23	X	-.649	-.649	0	%100
46	M23	Z	1.124	1.124	0	%100
47	M24	X	-.621	-.621	0	%100
48	M24	Z	1.075	1.075	0	%100



Company
Designer
Job Number
Model Name

Aug 12, 2023

12:20 PM

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Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
49	M25	X	-.621	-.621	0	%100
50	M25	Z	1.075	1.075	0	%100
51	M26	X	-.649	-.649	0	%100
52	M26	Z	1.124	1.124	0	%100
53	M27	X	-.621	-.621	0	%100
54	M27	Z	1.075	1.075	0	%100
55	M28	X	-.621	-.621	0	%100
56	M28	Z	1.075	1.075	0	%100
57	M29	X	-.649	-.649	0	%100
58	M29	Z	1.124	1.124	0	%100
59	M30	X	-.621	-.621	0	%100
60	M30	Z	1.075	1.075	0	%100
61	M31	X	-.621	-.621	0	%100
62	M31	Z	1.075	1.075	0	%100
63	M32	X	-.649	-.649	0	%100
64	M32	Z	1.124	1.124	0	%100
65	M33	X	-1.45	-1.45	0	%100
66	M33	Z	2.511	2.511	0	%100
67	M34	X	-.733	-.733	0	%100
68	M34	Z	1.269	1.269	0	%100
69	M35	X	-1.177	-1.177	0	%100
70	M35	Z	2.039	2.039	0	%100
71	M36	X	-1.177	-1.177	0	%100
72	M36	Z	2.039	2.039	0	%100
73	M37	X	-1.177	-1.177	0	%100
74	M37	Z	2.039	2.039	0	%100
75	M38	X	-1.177	-1.177	0	%100
76	M38	Z	2.039	2.039	0	%100
77	M39	X	-1.177	-1.177	0	%100
78	M39	Z	2.039	2.039	0	%100
79	M40	X	-1.177	-1.177	0	%100
80	M40	Z	2.039	2.039	0	%100
81	MP1A	X	-1.157	-1.157	0	%100
82	MP1A	Z	2.004	2.004	0	%100
83	MP2A	X	-1.157	-1.157	0	%100
84	MP2A	Z	2.004	2.004	0	%100
85	MP3A	X	-1.228	-1.228	0	%100
86	MP3A	Z	2.127	2.127	0	%100
87	MP4A	X	-1.157	-1.157	0	%100
88	MP4A	Z	2.004	2.004	0	%100
89	MP5A	X	-1.157	-1.157	0	%100
90	MP5A	Z	2.004	2.004	0	%100
91	M60	X	-.206	-.206	0	%100
92	M60	Z	.356	.356	0	%100
93	M61	X	-1.554	-1.554	0	%100
94	M61	Z	2.691	2.691	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.556	-.556	0	%100
2	M1	Z	.321	.321	0	%100
3	M2	X	-.556	-.556	0	%100
4	M2	Z	.321	.321	0	%100
5	M3	X	-.144	-.144	0	%100
6	M3	Z	.083	.083	0	%100
7	M4	X	-1.88	-1.88	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
8	M4	Z	1.085	1.085	0	%100
9	M5	X	-.144	-.144	0	%100
10	M5	Z	.083	.083	0	%100
11	M6	X	-1.88	-1.88	0	%100
12	M6	Z	1.085	1.085	0	%100
13	M7	X	-1.548	-1.548	0	%100
14	M7	Z	.894	.894	0	%100
15	M8	X	-1.548	-1.548	0	%100
16	M8	Z	.894	.894	0	%100
17	M9	X	-1.62	-1.62	0	%100
18	M9	Z	.935	.935	0	%100
19	M10	X	-1.62	-1.62	0	%100
20	M10	Z	.935	.935	0	%100
21	M11	X	-1.526	-1.526	0	%100
22	M11	Z	.881	.881	0	%100
23	M12	X	-1.526	-1.526	0	%100
24	M12	Z	.881	.881	0	%100
25	M13	X	-1.142	-1.142	0	%100
26	M13	Z	.659	.659	0	%100
27	M14	X	-1.142	-1.142	0	%100
28	M14	Z	.659	.659	0	%100
29	M15	X	-1.526	-1.526	0	%100
30	M15	Z	.881	.881	0	%100
31	M16	X	-1.526	-1.526	0	%100
32	M16	Z	.881	.881	0	%100
33	M17	X	-.052	-.052	0	%100
34	M17	Z	.03	.03	0	%100
35	M18	X	-.68	-.68	0	%100
36	M18	Z	.393	.393	0	%100
37	M19	X	-.052	-.052	0	%100
38	M19	Z	.03	.03	0	%100
39	M20	X	-.68	-.68	0	%100
40	M20	Z	.393	.393	0	%100
41	M21	X	-1.757	-1.757	0	%100
42	M21	Z	1.015	1.015	0	%100
43	M22	X	-1.757	-1.757	0	%100
44	M22	Z	1.015	1.015	0	%100
45	M23	X	-1.776	-1.776	0	%100
46	M23	Z	1.026	1.026	0	%100
47	M24	X	-1.757	-1.757	0	%100
48	M24	Z	1.015	1.015	0	%100
49	M25	X	-1.757	-1.757	0	%100
50	M25	Z	1.015	1.015	0	%100
51	M26	X	-1.776	-1.776	0	%100
52	M26	Z	1.026	1.026	0	%100
53	M27	X	-1.757	-1.757	0	%100
54	M27	Z	1.015	1.015	0	%100
55	M28	X	-1.757	-1.757	0	%100
56	M28	Z	1.015	1.015	0	%100
57	M29	X	-1.776	-1.776	0	%100
58	M29	Z	1.026	1.026	0	%100
59	M30	X	-1.757	-1.757	0	%100
60	M30	Z	1.015	1.015	0	%100
61	M31	X	-1.757	-1.757	0	%100
62	M31	Z	1.015	1.015	0	%100
63	M32	X	-1.776	-1.776	0	%100
64	M32	Z	1.026	1.026	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
65	M33	X	-2.511	-2.511	0	%100
66	M33	Z	1.45	1.45	0	%100
67	M34	X	-2.341	-2.341	0	%100
68	M34	Z	1.352	1.352	0	%100
69	M35	X	-2.039	-2.039	0	%100
70	M35	Z	1.177	1.177	0	%100
71	M36	X	-2.039	-2.039	0	%100
72	M36	Z	1.177	1.177	0	%100
73	M37	X	-2.039	-2.039	0	%100
74	M37	Z	1.177	1.177	0	%100
75	M38	X	-2.039	-2.039	0	%100
76	M38	Z	1.177	1.177	0	%100
77	M39	X	-2.039	-2.039	0	%100
78	M39	Z	1.177	1.177	0	%100
79	M40	X	-2.039	-2.039	0	%100
80	M40	Z	1.177	1.177	0	%100
81	MP1A	X	-2.004	-2.004	0	%100
82	MP1A	Z	1.157	1.157	0	%100
83	MP2A	X	-2.004	-2.004	0	%100
84	MP2A	Z	1.157	1.157	0	%100
85	MP3A	X	-2.127	-2.127	0	%100
86	MP3A	Z	1.228	1.228	0	%100
87	MP4A	X	-2.004	-2.004	0	%100
88	MP4A	Z	1.157	1.157	0	%100
89	MP5A	X	-2.004	-2.004	0	%100
90	MP5A	Z	1.157	1.157	0	%100
91	M60	X	-.17	-.17	0	%100
92	M60	Z	.098	.098	0	%100
93	M61	X	-2.505	-2.505	0	%100
94	M61	Z	1.446	1.446	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.179	-1.179	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.179	-1.179	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.179	-1.179	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.179	-1.179	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-1.788	-1.788	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-1.788	-1.788	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-1.597	-1.597	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-1.597	-1.597	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-1.762	-1.762	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-1.762	-1.762	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F....	Start Location[ft.%]	End Location[ft.%]
24	M12	Z	0	0	0	%100
25	M13	X	-1.597	-1.597	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-1.597	-1.597	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-1.762	-1.762	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-1.762	-1.762	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-427	-427	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-427	-427	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-427	-427	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-427	-427	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-2.423	-2.423	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-2.423	-2.423	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-2.428	-2.428	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-2.423	-2.423	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-2.423	-2.423	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-2.428	-2.428	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-2.423	-2.423	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-2.423	-2.423	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-2.428	-2.428	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-2.423	-2.423	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-2.423	-2.423	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-2.428	-2.428	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-2.899	-2.899	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	-2.68	-2.68	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	-2.355	-2.355	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	-2.355	-2.355	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	-2.355	-2.355	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	-2.355	-2.355	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	-2.355	-2.355	0	%100
78	M39	Z	0	0	0	%100
79	M40	X	-2.355	-2.355	0	%100
80	M40	Z	0	0	0	%100



12:20 PM

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	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
81	MP1A	X	-2.315	-2.315	0	%100
82	MP1A	Z	0	0	0	%100
83	MP2A	X	-2.315	-2.315	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	-2.457	-2.457	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	-2.315	-2.315	0	%100
88	MP4A	Z	0	0	0	%100
89	MP5A	X	-2.315	-2.315	0	%100
90	MP5A	Z	0	0	0	%100
91	M60	X	-1.437	-1.437	0	%100
92	M60	Z	0	0	0	%100
93	M61	X	-1.437	-1.437	0	%100
94	M61	Z	0	0	0	%100

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-556	-556	0	%100
2	M1	Z	-321	-321	0	%100
3	M2	X	-556	-556	0	%100
4	M2	Z	-321	-321	0	%100
5	M3	X	-1.88	-1.88	0	%100
6	M3	Z	-1.085	-1.085	0	%100
7	M4	X	-.144	-.144	0	%100
8	M4	Z	-.083	-.083	0	%100
9	M5	X	-1.88	-1.88	0	%100
10	M5	Z	-1.085	-1.085	0	%100
11	M6	X	-.144	-.144	0	%100
12	M6	Z	-.083	-.083	0	%100
13	M7	X	-1.548	-1.548	0	%100
14	M7	Z	-.894	-.894	0	%100
15	M8	X	-1.548	-1.548	0	%100
16	M8	Z	-.894	-.894	0	%100
17	M9	X	-1.142	-1.142	0	%100
18	M9	Z	-.659	-.659	0	%100
19	M10	X	-1.142	-1.142	0	%100
20	M10	Z	-.659	-.659	0	%100
21	M11	X	-1.526	-1.526	0	%100
22	M11	Z	-.881	-.881	0	%100
23	M12	X	-1.526	-1.526	0	%100
24	M12	Z	-.881	-.881	0	%100
25	M13	X	-1.62	-1.62	0	%100
26	M13	Z	-.935	-.935	0	%100
27	M14	X	-1.62	-1.62	0	%100
28	M14	Z	-.935	-.935	0	%100
29	M15	X	-1.526	-1.526	0	%100
30	M15	Z	-.881	-.881	0	%100
31	M16	X	-1.526	-1.526	0	%100
32	M16	Z	-.881	-.881	0	%100
33	M17	X	-.68	-.68	0	%100
34	M17	Z	-.393	-.393	0	%100
35	M18	X	-.052	-.052	0	%100
36	M18	Z	-.03	-.03	0	%100
37	M19	X	-.68	-.68	0	%100
38	M19	Z	-.393	-.393	0	%100
39	M20	X	-.052	-.052	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
40	M20	Z	-0.03	-0.03	0	%100
41	M21	X	-1.757	-1.757	0	%100
42	M21	Z	-1.015	-1.015	0	%100
43	M22	X	-1.757	-1.757	0	%100
44	M22	Z	-1.015	-1.015	0	%100
45	M23	X	-1.776	-1.776	0	%100
46	M23	Z	-1.026	-1.026	0	%100
47	M24	X	-1.757	-1.757	0	%100
48	M24	Z	-1.015	-1.015	0	%100
49	M25	X	-1.757	-1.757	0	%100
50	M25	Z	-1.015	-1.015	0	%100
51	M26	X	-1.776	-1.776	0	%100
52	M26	Z	-1.026	-1.026	0	%100
53	M27	X	-1.757	-1.757	0	%100
54	M27	Z	-1.015	-1.015	0	%100
55	M28	X	-1.757	-1.757	0	%100
56	M28	Z	-1.015	-1.015	0	%100
57	M29	X	-1.776	-1.776	0	%100
58	M29	Z	-1.026	-1.026	0	%100
59	M30	X	-1.757	-1.757	0	%100
60	M30	Z	-1.015	-1.015	0	%100
61	M31	X	-1.757	-1.757	0	%100
62	M31	Z	-1.015	-1.015	0	%100
63	M32	X	-1.776	-1.776	0	%100
64	M32	Z	-1.026	-1.026	0	%100
65	M33	X	-2.511	-2.511	0	%100
66	M33	Z	-1.45	-1.45	0	%100
67	M34	X	-1.229	-1.229	0	%100
68	M34	Z	-.71	-.71	0	%100
69	M35	X	-2.039	-2.039	0	%100
70	M35	Z	-1.177	-1.177	0	%100
71	M36	X	-2.039	-2.039	0	%100
72	M36	Z	-1.177	-1.177	0	%100
73	M37	X	-2.039	-2.039	0	%100
74	M37	Z	-1.177	-1.177	0	%100
75	M38	X	-2.039	-2.039	0	%100
76	M38	Z	-1.177	-1.177	0	%100
77	M39	X	-2.039	-2.039	0	%100
78	M39	Z	-1.177	-1.177	0	%100
79	M40	X	-2.039	-2.039	0	%100
80	M40	Z	-1.177	-1.177	0	%100
81	MP1A	X	-2.004	-2.004	0	%100
82	MP1A	Z	-1.157	-1.157	0	%100
83	MP2A	X	-2.004	-2.004	0	%100
84	MP2A	Z	-1.157	-1.157	0	%100
85	MP3A	X	-2.127	-2.127	0	%100
86	MP3A	Z	-1.228	-1.228	0	%100
87	MP4A	X	-2.004	-2.004	0	%100
88	MP4A	Z	-1.157	-1.157	0	%100
89	MP5A	X	-2.004	-2.004	0	%100
90	MP5A	Z	-1.157	-1.157	0	%100
91	M60	X	-2.505	-2.505	0	%100
92	M60	Z	-1.446	-1.446	0	%100
93	M61	X	-.17	-.17	0	%100
94	M61	Z	-.098	-.098	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.963	-.963	0	%100
2	M1	Z	-1.668	-1.668	0	%100
3	M2	X	-.963	-.963	0	%100
4	M2	Z	-1.668	-1.668	0	%100
5	M3	X	-1.074	-1.074	0	%100
6	M3	Z	-1.86	-1.86	0	%100
7	M4	X	-.072	-.072	0	%100
8	M4	Z	-.125	-.125	0	%100
9	M5	X	-1.074	-1.074	0	%100
10	M5	Z	-1.86	-1.86	0	%100
11	M6	X	-.072	-.072	0	%100
12	M6	Z	-.125	-.125	0	%100
13	M7	X	-.894	-.894	0	%100
14	M7	Z	-1.548	-1.548	0	%100
15	M8	X	-.894	-.894	0	%100
16	M8	Z	-1.548	-1.548	0	%100
17	M9	X	-.656	-.656	0	%100
18	M9	Z	-1.137	-1.137	0	%100
19	M10	X	-.656	-.656	0	%100
20	M10	Z	-1.137	-1.137	0	%100
21	M11	X	-.881	-.881	0	%100
22	M11	Z	-1.526	-1.526	0	%100
23	M12	X	-.881	-.881	0	%100
24	M12	Z	-1.526	-1.526	0	%100
25	M13	X	-.932	-.932	0	%100
26	M13	Z	-1.614	-1.614	0	%100
27	M14	X	-.932	-.932	0	%100
28	M14	Z	-1.614	-1.614	0	%100
29	M15	X	-.881	-.881	0	%100
30	M15	Z	-1.526	-1.526	0	%100
31	M16	X	-.881	-.881	0	%100
32	M16	Z	-1.526	-1.526	0	%100
33	M17	X	-.389	-.389	0	%100
34	M17	Z	-.673	-.673	0	%100
35	M18	X	-.026	-.026	0	%100
36	M18	Z	-.045	-.045	0	%100
37	M19	X	-.389	-.389	0	%100
38	M19	Z	-.673	-.673	0	%100
39	M20	X	-.026	-.026	0	%100
40	M20	Z	-.045	-.045	0	%100
41	M21	X	-.621	-.621	0	%100
42	M21	Z	-1.075	-1.075	0	%100
43	M22	X	-.621	-.621	0	%100
44	M22	Z	-1.075	-1.075	0	%100
45	M23	X	-.649	-.649	0	%100
46	M23	Z	-1.124	-1.124	0	%100
47	M24	X	-.621	-.621	0	%100
48	M24	Z	-1.075	-1.075	0	%100
49	M25	X	-.621	-.621	0	%100
50	M25	Z	-1.075	-1.075	0	%100
51	M26	X	-.649	-.649	0	%100
52	M26	Z	-1.124	-1.124	0	%100
53	M27	X	-.621	-.621	0	%100
54	M27	Z	-1.075	-1.075	0	%100
55	M28	X	-.621	-.621	0	%100
56	M28	Z	-1.075	-1.075	0	%100
57	M29	X	-.649	-.649	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
58	M29	Z	-1.124	-1.124	0	%100
59	M30	X	-.621	-.621	0	%100
60	M30	Z	-1.075	-1.075	0	%100
61	M31	X	-.621	-.621	0	%100
62	M31	Z	-1.075	-1.075	0	%100
63	M32	X	-.649	-.649	0	%100
64	M32	Z	-1.124	-1.124	0	%100
65	M33	X	-1.45	-1.45	0	%100
66	M33	Z	-2.511	-2.511	0	%100
67	M34	X	-.091	-.091	0	%100
68	M34	Z	-.158	-.158	0	%100
69	M35	X	-1.177	-1.177	0	%100
70	M35	Z	-2.039	-2.039	0	%100
71	M36	X	-1.177	-1.177	0	%100
72	M36	Z	-2.039	-2.039	0	%100
73	M37	X	-1.177	-1.177	0	%100
74	M37	Z	-2.039	-2.039	0	%100
75	M38	X	-1.177	-1.177	0	%100
76	M38	Z	-2.039	-2.039	0	%100
77	M39	X	-1.177	-1.177	0	%100
78	M39	Z	-2.039	-2.039	0	%100
79	M40	X	-1.177	-1.177	0	%100
80	M40	Z	-2.039	-2.039	0	%100
81	MP1A	X	-1.157	-1.157	0	%100
82	MP1A	Z	-2.004	-2.004	0	%100
83	MP2A	X	-1.157	-1.157	0	%100
84	MP2A	Z	-2.004	-2.004	0	%100
85	MP3A	X	-1.228	-1.228	0	%100
86	MP3A	Z	-2.127	-2.127	0	%100
87	MP4A	X	-1.157	-1.157	0	%100
88	MP4A	Z	-2.004	-2.004	0	%100
89	MP5A	X	-1.157	-1.157	0	%100
90	MP5A	Z	-2.004	-2.004	0	%100
91	M60	X	-1.554	-1.554	0	%100
92	M60	Z	-2.691	-2.691	0	%100
93	M61	X	-.206	-.206	0	%100
94	M61	Z	-.356	-.356	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-.525	-.525	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.525	-.525	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.213	-.213	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.213	-.213	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.213	-.213	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-.213	-.213	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.331	-.331	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.331	-.331	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
17	M9	X	0	0	0	%100
18	M9	Z	-.252	-.252	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-.252	-.252	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.291	-.291	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-.291	-.291	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-.252	-.252	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-.252	-.252	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-.291	-.291	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-.291	-.291	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-.034	-.034	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-.034	-.034	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-.034	-.034	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-.034	-.034	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-.072	-.072	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-.072	-.072	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-.097	-.097	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-.072	-.072	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-.072	-.072	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-.097	-.097	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-.072	-.072	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-.072	-.072	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-.097	-.097	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-.072	-.072	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-.072	-.072	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-.097	-.097	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-.611	-.611	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	-.045	-.045	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	-.495	-.495	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	-.495	-.495	0	%100
73	M37	X	0	0	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
74	M37	Z	-.495	-.495	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	-.495	-.495	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	-.495	-.495	0	%100
79	M40	X	0	0	0	%100
80	M40	Z	-.495	-.495	0	%100
81	MP1A	X	0	0	0	%100
82	MP1A	Z	-.434	-.434	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-.434	-.434	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	-.485	-.485	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-.434	-.434	0	%100
89	MP5A	X	0	0	0	%100
90	MP5A	Z	-.434	-.434	0	%100
91	M60	X	0	0	0	%100
92	M60	Z	-.441	-.441	0	%100
93	M61	X	0	0	0	%100
94	M61	Z	-.441	-.441	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.197	.197	0	%100
2	M1	Z	-.341	-.341	0	%100
3	M2	X	.197	.197	0	%100
4	M2	Z	-.341	-.341	0	%100
5	M3	X	.014	.014	0	%100
6	M3	Z	-.023	-.023	0	%100
7	M4	X	.201	.201	0	%100
8	M4	Z	-.349	-.349	0	%100
9	M5	X	.014	.014	0	%100
10	M5	Z	-.023	-.023	0	%100
11	M6	X	.201	.201	0	%100
12	M6	Z	-.349	-.349	0	%100
13	M7	X	.165	.165	0	%100
14	M7	Z	-.287	-.287	0	%100
15	M8	X	.165	.165	0	%100
16	M8	Z	-.287	-.287	0	%100
17	M9	X	.148	.148	0	%100
18	M9	Z	-.256	-.256	0	%100
19	M10	X	.148	.148	0	%100
20	M10	Z	-.256	-.256	0	%100
21	M11	X	.146	.146	0	%100
22	M11	Z	-.252	-.252	0	%100
23	M12	X	.146	.146	0	%100
24	M12	Z	-.252	-.252	0	%100
25	M13	X	.104	.104	0	%100
26	M13	Z	-.18	-.18	0	%100
27	M14	X	.104	.104	0	%100
28	M14	Z	-.18	-.18	0	%100
29	M15	X	.146	.146	0	%100
30	M15	Z	-.252	-.252	0	%100
31	M16	X	.146	.146	0	%100
32	M16	Z	-.252	-.252	0	%100

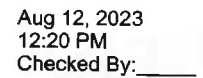


Company
Designer
Job Number
Model Name

Aug 12, 2023
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Checked By: _____

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
33	M17	X	.002	.002	0	%100
34	M17	Z	-.004	-.004	0	%100
35	M18	X	.032	.032	0	%100
36	M18	Z	-.055	-.055	0	%100
37	M19	X	.002	.002	0	%100
38	M19	Z	-.004	-.004	0	%100
39	M20	X	.032	.032	0	%100
40	M20	Z	-.055	-.055	0	%100
41	M21	X	.107	.107	0	%100
42	M21	Z	-.185	-.185	0	%100
43	M22	X	.107	.107	0	%100
44	M22	Z	-.185	-.185	0	%100
45	M23	X	.116	.116	0	%100
46	M23	Z	-.201	-.201	0	%100
47	M24	X	.107	.107	0	%100
48	M24	Z	-.185	-.185	0	%100
49	M25	X	.107	.107	0	%100
50	M25	Z	-.185	-.185	0	%100
51	M26	X	.116	.116	0	%100
52	M26	Z	-.201	-.201	0	%100
53	M27	X	.107	.107	0	%100
54	M27	Z	-.185	-.185	0	%100
55	M28	X	.107	.107	0	%100
56	M28	Z	-.185	-.185	0	%100
57	M29	X	.116	.116	0	%100
58	M29	Z	-.201	-.201	0	%100
59	M30	X	.107	.107	0	%100
60	M30	Z	-.185	-.185	0	%100
61	M31	X	.107	.107	0	%100
62	M31	Z	-.185	-.185	0	%100
63	M32	X	.116	.116	0	%100
64	M32	Z	-.201	-.201	0	%100
65	M33	X	.305	.305	0	%100
66	M33	Z	-.529	-.529	0	%100
67	M34	X	.162	.162	0	%100
68	M34	Z	-.281	-.281	0	%100
69	M35	X	.247	.247	0	%100
70	M35	Z	-.428	-.428	0	%100
71	M36	X	.247	.247	0	%100
72	M36	Z	-.428	-.428	0	%100
73	M37	X	.247	.247	0	%100
74	M37	Z	-.428	-.428	0	%100
75	M38	X	.247	.247	0	%100
76	M38	Z	-.428	-.428	0	%100
77	M39	X	.247	.247	0	%100
78	M39	Z	-.428	-.428	0	%100
79	M40	X	.247	.247	0	%100
80	M40	Z	-.428	-.428	0	%100
81	MP1A	X	.217	.217	0	%100
82	MP1A	Z	-.376	-.376	0	%100
83	MP2A	X	.217	.217	0	%100
84	MP2A	Z	-.376	-.376	0	%100
85	MP3A	X	.242	.242	0	%100
86	MP3A	Z	-.42	-.42	0	%100
87	MP4A	X	.217	.217	0	%100
88	MP4A	Z	-.376	-.376	0	%100
89	MP5A	X	.217	.217	0	%100



Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
49	M25	X	.431	.431	0	%100
50	M25	Z	-.249	-.249	0	%100
51	M26	X	.436	.436	0	%100
52	M26	Z	-.252	-.252	0	%100
53	M27	X	.431	.431	0	%100
54	M27	Z	-.249	-.249	0	%100
55	M28	X	.431	.431	0	%100
56	M28	Z	-.249	-.249	0	%100
57	M29	X	.436	.436	0	%100
58	M29	Z	-.252	-.252	0	%100
59	M30	X	.431	.431	0	%100
60	M30	Z	-.249	-.249	0	%100
61	M31	X	.431	.431	0	%100
62	M31	Z	-.249	-.249	0	%100
63	M32	X	.436	.436	0	%100
64	M32	Z	-.252	-.252	0	%100
65	M33	X	.529	.529	0	%100
66	M33	Z	-.305	-.305	0	%100
67	M34	X	.519	.519	0	%100
68	M34	Z	-.299	-.299	0	%100
69	M35	X	.428	.428	0	%100
70	M35	Z	-.247	-.247	0	%100
71	M36	X	.428	.428	0	%100
72	M36	Z	-.247	-.247	0	%100
73	M37	X	.428	.428	0	%100
74	M37	Z	-.247	-.247	0	%100
75	M38	X	.428	.428	0	%100
76	M38	Z	-.247	-.247	0	%100
77	M39	X	.428	.428	0	%100
78	M39	Z	-.247	-.247	0	%100
79	M40	X	.428	.428	0	%100
80	M40	Z	-.247	-.247	0	%100
81	MP1A	X	.376	.376	0	%100
82	MP1A	Z	-.217	-.217	0	%100
83	MP2A	X	.376	.376	0	%100
84	MP2A	Z	-.217	-.217	0	%100
85	MP3A	X	.42	.42	0	%100
86	MP3A	Z	-.242	-.242	0	%100
87	MP4A	X	.376	.376	0	%100
88	MP4A	Z	-.217	-.217	0	%100
89	MP5A	X	.376	.376	0	%100
90	MP5A	Z	-.217	-.217	0	%100
91	M60	X	.04	.04	0	%100
92	M60	Z	-.023	-.023	0	%100
93	M61	X	.591	.591	0	%100
94	M61	Z	-.341	-.341	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.221	.221	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.221	.221	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
8	M4	Z	0	0	0	%100
9	M5	X	.221	.221	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.221	.221	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.331	.331	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.331	.331	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.254	.254	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.254	.254	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.291	.291	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.291	.291	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	.254	.254	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	.254	.254	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.291	.291	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	.291	.291	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.035	.035	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.035	.035	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	.035	.035	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.035	.035	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	.639	.639	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	.639	.639	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	.639	.639	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	.639	.639	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	.639	.639	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	.639	.639	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	.639	.639	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	.639	.639	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	.639	.639	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	.639	.639	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	.639	.639	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	.639	.639	0	%100
64	M32	Z	0	0	0	%100



Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

RISA-3D Version 17.0.4 [.....\RISA\5000386297-VZW_MT_LOT_A_H.r3d] Page 98

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
24	M12	Z	.146	.146	0	%100
25	M13	X	.257	.257	0	%100
26	M13	Z	.148	.148	0	%100
27	M14	X	.257	.257	0	%100
28	M14	Z	.148	.148	0	%100
29	M15	X	.252	.252	0	%100
30	M15	Z	.146	.146	0	%100
31	M16	X	.252	.252	0	%100
32	M16	Z	.146	.146	0	%100
33	M17	X	.056	.056	0	%100
34	M17	Z	.032	.032	0	%100
35	M18	X	.004	.004	0	%100
36	M18	Z	.002	.002	0	%100
37	M19	X	.056	.056	0	%100
38	M19	Z	.032	.032	0	%100
39	M20	X	.004	.004	0	%100
40	M20	Z	.002	.002	0	%100
41	M21	X	.431	.431	0	%100
42	M21	Z	.249	.249	0	%100
43	M22	X	.431	.431	0	%100
44	M22	Z	.249	.249	0	%100
45	M23	X	.436	.436	0	%100
46	M23	Z	.252	.252	0	%100
47	M24	X	.431	.431	0	%100
48	M24	Z	.249	.249	0	%100
49	M25	X	.431	.431	0	%100
50	M25	Z	.249	.249	0	%100
51	M26	X	.436	.436	0	%100
52	M26	Z	.252	.252	0	%100
53	M27	X	.431	.431	0	%100
54	M27	Z	.249	.249	0	%100
55	M28	X	.431	.431	0	%100
56	M28	Z	.249	.249	0	%100
57	M29	X	.436	.436	0	%100
58	M29	Z	.252	.252	0	%100
59	M30	X	.431	.431	0	%100
60	M30	Z	.249	.249	0	%100
61	M31	X	.431	.431	0	%100
62	M31	Z	.249	.249	0	%100
63	M32	X	.436	.436	0	%100
64	M32	Z	.252	.252	0	%100
65	M33	X	.529	.529	0	%100
66	M33	Z	.305	.305	0	%100
67	M34	X	.272	.272	0	%100
68	M34	Z	.157	.157	0	%100
69	M35	X	.428	.428	0	%100
70	M35	Z	.247	.247	0	%100
71	M36	X	.428	.428	0	%100
72	M36	Z	.247	.247	0	%100
73	M37	X	.428	.428	0	%100
74	M37	Z	.247	.247	0	%100
75	M38	X	.428	.428	0	%100
76	M38	Z	.247	.247	0	%100
77	M39	X	.428	.428	0	%100
78	M39	Z	.247	.247	0	%100
79	M40	X	.428	.428	0	%100
80	M40	Z	.247	.247	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
81	MP1A	X	.376	.376	0	%100
82	MP1A	Z	.217	.217	0	%100
83	MP2A	X	.376	.376	0	%100
84	MP2A	Z	.217	.217	0	%100
85	MP3A	X	.42	.42	0	%100
86	MP3A	Z	.242	.242	0	%100
87	MP4A	X	.376	.376	0	%100
88	MP4A	Z	.217	.217	0	%100
89	MP5A	X	.376	.376	0	%100
90	MP5A	Z	.217	.217	0	%100
91	M60	X	.591	.591	0	%100
92	M60	Z	.341	.341	0	%100
93	M61	X	.04	.04	0	%100
94	M61	Z	.023	.023	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.197	.197	0	%100
2	M1	Z	.341	.341	0	%100
3	M2	X	.197	.197	0	%100
4	M2	Z	.341	.341	0	%100
5	M3	X	.201	.201	0	%100
6	M3	Z	.349	.349	0	%100
7	M4	X	.014	.014	0	%100
8	M4	Z	.023	.023	0	%100
9	M5	X	.201	.201	0	%100
10	M5	Z	.349	.349	0	%100
11	M6	X	.014	.014	0	%100
12	M6	Z	.023	.023	0	%100
13	M7	X	.165	.165	0	%100
14	M7	Z	.287	.287	0	%100
15	M8	X	.165	.165	0	%100
16	M8	Z	.287	.287	0	%100
17	M9	X	.104	.104	0	%100
18	M9	Z	.18	.18	0	%100
19	M10	X	.104	.104	0	%100
20	M10	Z	.18	.18	0	%100
21	M11	X	.146	.146	0	%100
22	M11	Z	.252	.252	0	%100
23	M12	X	.146	.146	0	%100
24	M12	Z	.252	.252	0	%100
25	M13	X	.148	.148	0	%100
26	M13	Z	.256	.256	0	%100
27	M14	X	.148	.148	0	%100
28	M14	Z	.256	.256	0	%100
29	M15	X	.146	.146	0	%100
30	M15	Z	.252	.252	0	%100
31	M16	X	.146	.146	0	%100
32	M16	Z	.252	.252	0	%100
33	M17	X	.032	.032	0	%100
34	M17	Z	.055	.055	0	%100
35	M18	X	.002	.002	0	%100
36	M18	Z	.004	.004	0	%100
37	M19	X	.032	.032	0	%100
38	M19	Z	.055	.055	0	%100
39	M20	X	.002	.002	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
40	M20	Z	.004	.004	0	%100
41	M21	X	.107	.107	0	%100
42	M21	Z	.185	.185	0	%100
43	M22	X	.107	.107	0	%100
44	M22	Z	.185	.185	0	%100
45	M23	X	.116	.116	0	%100
46	M23	Z	.201	.201	0	%100
47	M24	X	.107	.107	0	%100
48	M24	Z	.185	.185	0	%100
49	M25	X	.107	.107	0	%100
50	M25	Z	.185	.185	0	%100
51	M26	X	.116	.116	0	%100
52	M26	Z	.201	.201	0	%100
53	M27	X	.107	.107	0	%100
54	M27	Z	.185	.185	0	%100
55	M28	X	.107	.107	0	%100
56	M28	Z	.185	.185	0	%100
57	M29	X	.116	.116	0	%100
58	M29	Z	.201	.201	0	%100
59	M30	X	.107	.107	0	%100
60	M30	Z	.185	.185	0	%100
61	M31	X	.107	.107	0	%100
62	M31	Z	.185	.185	0	%100
63	M32	X	.116	.116	0	%100
64	M32	Z	.201	.201	0	%100
65	M33	X	.305	.305	0	%100
66	M33	Z	.529	.529	0	%100
67	M34	X	.02	.02	0	%100
68	M34	Z	.035	.035	0	%100
69	M35	X	.247	.247	0	%100
70	M35	Z	.428	.428	0	%100
71	M36	X	.247	.247	0	%100
72	M36	Z	.428	.428	0	%100
73	M37	X	.247	.247	0	%100
74	M37	Z	.428	.428	0	%100
75	M38	X	.247	.247	0	%100
76	M38	Z	.428	.428	0	%100
77	M39	X	.247	.247	0	%100
78	M39	Z	.428	.428	0	%100
79	M40	X	.247	.247	0	%100
80	M40	Z	.428	.428	0	%100
81	MP1A	X	.217	.217	0	%100
82	MP1A	Z	.376	.376	0	%100
83	MP2A	X	.217	.217	0	%100
84	MP2A	Z	.376	.376	0	%100
85	MP3A	X	.242	.242	0	%100
86	MP3A	Z	.42	.42	0	%100
87	MP4A	X	.217	.217	0	%100
88	MP4A	Z	.376	.376	0	%100
89	MP5A	X	.217	.217	0	%100
90	MP5A	Z	.376	.376	0	%100
91	M60	X	.367	.367	0	%100
92	M60	Z	.635	.635	0	%100
93	M61	X	.049	.049	0	%100
94	M61	Z	.084	.084	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	.525	.525	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.525	.525	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.213	.213	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.213	.213	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.213	.213	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.213	.213	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.331	.331	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.331	.331	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.252	.252	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.252	.252	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.291	.291	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	.291	.291	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	.252	.252	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	.252	.252	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	.291	.291	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	.291	.291	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	.034	.034	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.034	.034	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.034	.034	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.034	.034	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.072	.072	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	.072	.072	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	.097	.097	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	.072	.072	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	.072	.072	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	.097	.097	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	.072	.072	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	.072	.072	0	%100
57	M29	X	0	0	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft,%]	End Location[ft,%]
58	M29	Z	.097	.097	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	.072	.072	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	.072	.072	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	.097	.097	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	.611	.611	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	.045	.045	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	.495	.495	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	.495	.495	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	.495	.495	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	.495	.495	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	.495	.495	0	%100
79	M40	X	0	0	0	%100
80	M40	Z	.495	.495	0	%100
81	MP1A	X	0	0	0	%100
82	MP1A	Z	.434	.434	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	.434	.434	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	.485	.485	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	.434	.434	0	%100
89	MP5A	X	0	0	0	%100
90	MP5A	Z	.434	.434	0	%100
91	M60	X	0	0	0	%100
92	M60	Z	.441	.441	0	%100
93	M61	X	0	0	0	%100
94	M61	Z	.441	.441	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.197	-.197	0	%100
2	M1	Z	.341	.341	0	%100
3	M2	X	-.197	-.197	0	%100
4	M2	Z	.341	.341	0	%100
5	M3	X	-.014	-.014	0	%100
6	M3	Z	.023	.023	0	%100
7	M4	X	-.201	-.201	0	%100
8	M4	Z	.349	.349	0	%100
9	M5	X	-.014	-.014	0	%100
10	M5	Z	.023	.023	0	%100
11	M6	X	-.201	-.201	0	%100
12	M6	Z	.349	.349	0	%100
13	M7	X	-.165	-.165	0	%100
14	M7	Z	.287	.287	0	%100
15	M8	X	-.165	-.165	0	%100
16	M8	Z	.287	.287	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
17	M9	X	-.148	-.148	0	%100
18	M9	Z	.256	.256	0	%100
19	M10	X	-.148	-.148	0	%100
20	M10	Z	.256	.256	0	%100
21	M11	X	-.146	-.146	0	%100
22	M11	Z	.252	.252	0	%100
23	M12	X	-.146	-.146	0	%100
24	M12	Z	.252	.252	0	%100
25	M13	X	-.104	-.104	0	%100
26	M13	Z	.18	.18	0	%100
27	M14	X	-.104	-.104	0	%100
28	M14	Z	.18	.18	0	%100
29	M15	X	-.146	-.146	0	%100
30	M15	Z	.252	.252	0	%100
31	M16	X	-.146	-.146	0	%100
32	M16	Z	.252	.252	0	%100
33	M17	X	-.002	-.002	0	%100
34	M17	Z	.004	.004	0	%100
35	M18	X	-.032	-.032	0	%100
36	M18	Z	.055	.055	0	%100
37	M19	X	-.002	-.002	0	%100
38	M19	Z	.004	.004	0	%100
39	M20	X	-.032	-.032	0	%100
40	M20	Z	.055	.055	0	%100
41	M21	X	-.107	-.107	0	%100
42	M21	Z	.185	.185	0	%100
43	M22	X	-.107	-.107	0	%100
44	M22	Z	.185	.185	0	%100
45	M23	X	-.116	-.116	0	%100
46	M23	Z	.201	.201	0	%100
47	M24	X	-.107	-.107	0	%100
48	M24	Z	.185	.185	0	%100
49	M25	X	-.107	-.107	0	%100
50	M25	Z	.185	.185	0	%100
51	M26	X	-.116	-.116	0	%100
52	M26	Z	.201	.201	0	%100
53	M27	X	-.107	-.107	0	%100
54	M27	Z	.185	.185	0	%100
55	M28	X	-.107	-.107	0	%100
56	M28	Z	.185	.185	0	%100
57	M29	X	-.116	-.116	0	%100
58	M29	Z	.201	.201	0	%100
59	M30	X	-.107	-.107	0	%100
60	M30	Z	.185	.185	0	%100
61	M31	X	-.107	-.107	0	%100
62	M31	Z	.185	.185	0	%100
63	M32	X	-.116	-.116	0	%100
64	M32	Z	.201	.201	0	%100
65	M33	X	-.305	-.305	0	%100
66	M33	Z	.529	.529	0	%100
67	M34	X	-.162	-.162	0	%100
68	M34	Z	.281	.281	0	%100
69	M35	X	-.247	-.247	0	%100
70	M35	Z	.428	.428	0	%100
71	M36	X	-.247	-.247	0	%100
72	M36	Z	.428	.428	0	%100
73	M37	X	-.247	-.247	0	%100



Aug 12, 2023
12:20 PM
Checked By:

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
74	M37	Z	.428	.428	0	%100
75	M38	X	-.247	-.247	0	%100
76	M38	Z	.428	.428	0	%100
77	M39	X	-.247	-.247	0	%100
78	M39	Z	.428	.428	0	%100
79	M40	X	-.247	-.247	0	%100
80	M40	Z	.428	.428	0	%100
81	MP1A	X	-.217	-.217	0	%100
82	MP1A	Z	.376	.376	0	%100
83	MP2A	X	-.217	-.217	0	%100
84	MP2A	Z	.376	.376	0	%100
85	MP3A	X	-.242	-.242	0	%100
86	MP3A	Z	.42	.42	0	%100
87	MP4A	X	-.217	-.217	0	%100
88	MP4A	Z	.376	.376	0	%100
89	MP5A	X	-.217	-.217	0	%100
90	MP5A	Z	.376	.376	0	%100
91	M60	X	-.049	-.049	0	%100
92	M60	Z	.084	.084	0	%100
93	M61	X	-.367	-.367	0	%100
94	M61	Z	.635	.635	0	%100

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.114	-.114	0	%100
2	M1	Z	.066	.066	0	%100
3	M2	X	-.114	-.114	0	%100
4	M2	Z	.066	.066	0	%100
5	M3	X	-.027	-.027	0	%100
6	M3	Z	.016	.016	0	%100
7	M4	X	-.352	-.352	0	%100
8	M4	Z	.203	.203	0	%100
9	M5	X	-.027	-.027	0	%100
10	M5	Z	.016	.016	0	%100
11	M6	X	-.352	-.352	0	%100
12	M6	Z	.203	.203	0	%100
13	M7	X	-.287	-.287	0	%100
14	M7	Z	.165	.165	0	%100
15	M8	X	-.287	-.287	0	%100
16	M8	Z	.165	.165	0	%100
17	M9	X	-.257	-.257	0	%100
18	M9	Z	.148	.148	0	%100
19	M10	X	-.257	-.257	0	%100
20	M10	Z	.148	.148	0	%100
21	M11	X	-.252	-.252	0	%100
22	M11	Z	.146	.146	0	%100
23	M12	X	-.252	-.252	0	%100
24	M12	Z	.146	.146	0	%100
25	M13	X	-.181	-.181	0	%100
26	M13	Z	.105	.105	0	%100
27	M14	X	-.181	-.181	0	%100
28	M14	Z	.105	.105	0	%100
29	M15	X	-.252	-.252	0	%100
30	M15	Z	.146	.146	0	%100
31	M16	X	-.252	-.252	0	%100
32	M16	Z	.146	.146	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
33	M17	X	-.004	-.004	0	%100
34	M17	Z	.002	.002	0	%100
35	M18	X	-.056	-.056	0	%100
36	M18	Z	.032	.032	0	%100
37	M19	X	-.004	-.004	0	%100
38	M19	Z	.002	.002	0	%100
39	M20	X	-.056	-.056	0	%100
40	M20	Z	.032	.032	0	%100
41	M21	X	-.431	-.431	0	%100
42	M21	Z	.249	.249	0	%100
43	M22	X	-.431	-.431	0	%100
44	M22	Z	.249	.249	0	%100
45	M23	X	-.436	-.436	0	%100
46	M23	Z	.252	.252	0	%100
47	M24	X	-.431	-.431	0	%100
48	M24	Z	.249	.249	0	%100
49	M25	X	-.431	-.431	0	%100
50	M25	Z	.249	.249	0	%100
51	M26	X	-.436	-.436	0	%100
52	M26	Z	.252	.252	0	%100
53	M27	X	-.431	-.431	0	%100
54	M27	Z	.249	.249	0	%100
55	M28	X	-.431	-.431	0	%100
56	M28	Z	.249	.249	0	%100
57	M29	X	-.436	-.436	0	%100
58	M29	Z	.252	.252	0	%100
59	M30	X	-.431	-.431	0	%100
60	M30	Z	.249	.249	0	%100
61	M31	X	-.431	-.431	0	%100
62	M31	Z	.249	.249	0	%100
63	M32	X	-.436	-.436	0	%100
64	M32	Z	.252	.252	0	%100
65	M33	X	-.529	-.529	0	%100
66	M33	Z	.305	.305	0	%100
67	M34	X	-.519	-.519	0	%100
68	M34	Z	.299	.299	0	%100
69	M35	X	-.428	-.428	0	%100
70	M35	Z	.247	.247	0	%100
71	M36	X	-.428	-.428	0	%100
72	M36	Z	.247	.247	0	%100
73	M37	X	-.428	-.428	0	%100
74	M37	Z	.247	.247	0	%100
75	M38	X	-.428	-.428	0	%100
76	M38	Z	.247	.247	0	%100
77	M39	X	-.428	-.428	0	%100
78	M39	Z	.247	.247	0	%100
79	M40	X	-.428	-.428	0	%100
80	M40	Z	.247	.247	0	%100
81	MP1A	X	-.376	-.376	0	%100
82	MP1A	Z	.217	.217	0	%100
83	MP2A	X	-.376	-.376	0	%100
84	MP2A	Z	.217	.217	0	%100
85	MP3A	X	-.42	-.42	0	%100
86	MP3A	Z	.242	.242	0	%100
87	MP4A	X	-.376	-.376	0	%100
88	MP4A	Z	.217	.217	0	%100
89	MP5A	X	-.376	-.376	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
90	MP5A	Z	.217	.217	0	%100
91	M60	X	-.04	-.04	0	%100
92	M60	Z	.023	.023	0	%100
93	M61	X	-.591	-.591	0	%100
94	M61	Z	.341	.341	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.221	-.221	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.221	-.221	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.221	-.221	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.221	-.221	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.331	-.331	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.331	-.331	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.254	-.254	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.254	-.254	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.291	-.291	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.291	-.291	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-.254	-.254	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-.254	-.254	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-.291	-.291	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-.291	-.291	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-.035	-.035	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.035	-.035	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-.035	-.035	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.035	-.035	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-.639	-.639	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-.639	-.639	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-.639	-.639	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-.639	-.639	0	%100
48	M24	Z	0	0	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
49	M25	X	-639	-639	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-639	-639	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-639	-639	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-639	-639	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-639	-639	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-639	-639	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-639	-639	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-639	-639	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-611	-611	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	-594	-594	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	-495	-495	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	-495	-495	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	-495	-495	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	-495	-495	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	-495	-495	0	%100
78	M39	Z	0	0	0	%100
79	M40	X	-495	-495	0	%100
80	M40	Z	0	0	0	%100
81	MP1A	X	-434	-434	0	%100
82	MP1A	Z	0	0	0	%100
83	MP2A	X	-434	-434	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	-485	-485	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	-434	-434	0	%100
88	MP4A	Z	0	0	0	%100
89	MP5A	X	-434	-434	0	%100
90	MP5A	Z	0	0	0	%100
91	M60	X	-339	-339	0	%100
92	M60	Z	0	0	0	%100
93	M61	X	-339	-339	0	%100
94	M61	Z	0	0	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-114	-114	0	%100
2	M1	Z	-066	-066	0	%100
3	M2	X	-114	-114	0	%100
4	M2	Z	-066	-066	0	%100
5	M3	X	-352	-352	0	%100
6	M3	Z	-203	-203	0	%100
7	M4	X	-027	-027	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
8	M4	Z	-.016	-.016	0	%100
9	M5	X	-.352	-.352	0	%100
10	M5	Z	-.203	-.203	0	%100
11	M6	X	-.027	-.027	0	%100
12	M6	Z	-.016	-.016	0	%100
13	M7	X	-.287	-.287	0	%100
14	M7	Z	-.165	-.165	0	%100
15	M8	X	-.287	-.287	0	%100
16	M8	Z	-.165	-.165	0	%100
17	M9	X	-.181	-.181	0	%100
18	M9	Z	-.105	-.105	0	%100
19	M10	X	-.181	-.181	0	%100
20	M10	Z	-.105	-.105	0	%100
21	M11	X	-.252	-.252	0	%100
22	M11	Z	-.146	-.146	0	%100
23	M12	X	-.252	-.252	0	%100
24	M12	Z	-.146	-.146	0	%100
25	M13	X	-.257	-.257	0	%100
26	M13	Z	-.148	-.148	0	%100
27	M14	X	-.257	-.257	0	%100
28	M14	Z	-.148	-.148	0	%100
29	M15	X	-.252	-.252	0	%100
30	M15	Z	-.146	-.146	0	%100
31	M16	X	-.252	-.252	0	%100
32	M16	Z	-.146	-.146	0	%100
33	M17	X	-.056	-.056	0	%100
34	M17	Z	-.032	-.032	0	%100
35	M18	X	-.004	-.004	0	%100
36	M18	Z	-.002	-.002	0	%100
37	M19	X	-.056	-.056	0	%100
38	M19	Z	-.032	-.032	0	%100
39	M20	X	-.004	-.004	0	%100
40	M20	Z	-.002	-.002	0	%100
41	M21	X	-.431	-.431	0	%100
42	M21	Z	-.249	-.249	0	%100
43	M22	X	-.431	-.431	0	%100
44	M22	Z	-.249	-.249	0	%100
45	M23	X	-.436	-.436	0	%100
46	M23	Z	-.252	-.252	0	%100
47	M24	X	-.431	-.431	0	%100
48	M24	Z	-.249	-.249	0	%100
49	M25	X	-.431	-.431	0	%100
50	M25	Z	-.249	-.249	0	%100
51	M26	X	-.436	-.436	0	%100
52	M26	Z	-.252	-.252	0	%100
53	M27	X	-.431	-.431	0	%100
54	M27	Z	-.249	-.249	0	%100
55	M28	X	-.431	-.431	0	%100
56	M28	Z	-.249	-.249	0	%100
57	M29	X	-.436	-.436	0	%100
58	M29	Z	-.252	-.252	0	%100
59	M30	X	-.431	-.431	0	%100
60	M30	Z	-.249	-.249	0	%100
61	M31	X	-.431	-.431	0	%100
62	M31	Z	-.249	-.249	0	%100
63	M32	X	-.436	-.436	0	%100
64	M32	Z	-.252	-.252	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
65	M33	X	-.529	-.529	0	%100
66	M33	Z	-.305	-.305	0	%100
67	M34	X	-.272	-.272	0	%100
68	M34	Z	-.157	-.157	0	%100
69	M35	X	-.428	-.428	0	%100
70	M35	Z	-.247	-.247	0	%100
71	M36	X	-.428	-.428	0	%100
72	M36	Z	-.247	-.247	0	%100
73	M37	X	-.428	-.428	0	%100
74	M37	Z	-.247	-.247	0	%100
75	M38	X	-.428	-.428	0	%100
76	M38	Z	-.247	-.247	0	%100
77	M39	X	-.428	-.428	0	%100
78	M39	Z	-.247	-.247	0	%100
79	M40	X	-.428	-.428	0	%100
80	M40	Z	-.247	-.247	0	%100
81	MP1A	X	-.376	-.376	0	%100
82	MP1A	Z	-.217	-.217	0	%100
83	MP2A	X	-.376	-.376	0	%100
84	MP2A	Z	-.217	-.217	0	%100
85	MP3A	X	-.42	-.42	0	%100
86	MP3A	Z	-.242	-.242	0	%100
87	MP4A	X	-.376	-.376	0	%100
88	MP4A	Z	-.217	-.217	0	%100
89	MP5A	X	-.376	-.376	0	%100
90	MP5A	Z	-.217	-.217	0	%100
91	M60	X	-.591	-.591	0	%100
92	M60	Z	-.341	-.341	0	%100
93	M61	X	-.04	-.04	0	%100
94	M61	Z	-.023	-.023	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.197	-.197	0	%100
2	M1	Z	-.341	-.341	0	%100
3	M2	X	-.197	-.197	0	%100
4	M2	Z	-.341	-.341	0	%100
5	M3	X	-.201	-.201	0	%100
6	M3	Z	-.349	-.349	0	%100
7	M4	X	-.014	-.014	0	%100
8	M4	Z	-.023	-.023	0	%100
9	M5	X	-.201	-.201	0	%100
10	M5	Z	-.349	-.349	0	%100
11	M6	X	-.014	-.014	0	%100
12	M6	Z	-.023	-.023	0	%100
13	M7	X	-.165	-.165	0	%100
14	M7	Z	-.287	-.287	0	%100
15	M8	X	-.165	-.165	0	%100
16	M8	Z	-.287	-.287	0	%100
17	M9	X	-.104	-.104	0	%100
18	M9	Z	-.18	-.18	0	%100
19	M10	X	-.104	-.104	0	%100
20	M10	Z	-.18	-.18	0	%100
21	M11	X	-.146	-.146	0	%100
22	M11	Z	-.252	-.252	0	%100
23	M12	X	-.146	-.146	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
24	M12	Z	-.252	-.252	0	%100
25	M13	X	-.148	-.148	0	%100
26	M13	Z	-.256	-.256	0	%100
27	M14	X	-.148	-.148	0	%100
28	M14	Z	-.256	-.256	0	%100
29	M15	X	-.146	-.146	0	%100
30	M15	Z	-.252	-.252	0	%100
31	M16	X	-.146	-.146	0	%100
32	M16	Z	-.252	-.252	0	%100
33	M17	X	-.032	-.032	0	%100
34	M17	Z	-.055	-.055	0	%100
35	M18	X	-.002	-.002	0	%100
36	M18	Z	-.004	-.004	0	%100
37	M19	X	-.032	-.032	0	%100
38	M19	Z	-.055	-.055	0	%100
39	M20	X	-.002	-.002	0	%100
40	M20	Z	-.004	-.004	0	%100
41	M21	X	-.107	-.107	0	%100
42	M21	Z	-.185	-.185	0	%100
43	M22	X	-.107	-.107	0	%100
44	M22	Z	-.185	-.185	0	%100
45	M23	X	-.116	-.116	0	%100
46	M23	Z	-.201	-.201	0	%100
47	M24	X	-.107	-.107	0	%100
48	M24	Z	-.185	-.185	0	%100
49	M25	X	-.107	-.107	0	%100
50	M25	Z	-.185	-.185	0	%100
51	M26	X	-.116	-.116	0	%100
52	M26	Z	-.201	-.201	0	%100
53	M27	X	-.107	-.107	0	%100
54	M27	Z	-.185	-.185	0	%100
55	M28	X	-.107	-.107	0	%100
56	M28	Z	-.185	-.185	0	%100
57	M29	X	-.116	-.116	0	%100
58	M29	Z	-.201	-.201	0	%100
59	M30	X	-.107	-.107	0	%100
60	M30	Z	-.185	-.185	0	%100
61	M31	X	-.107	-.107	0	%100
62	M31	Z	-.185	-.185	0	%100
63	M32	X	-.116	-.116	0	%100
64	M32	Z	-.201	-.201	0	%100
65	M33	X	-.305	-.305	0	%100
66	M33	Z	-.529	-.529	0	%100
67	M34	X	-.02	-.02	0	%100
68	M34	Z	-.035	-.035	0	%100
69	M35	X	-.247	-.247	0	%100
70	M35	Z	-.428	-.428	0	%100
71	M36	X	-.247	-.247	0	%100
72	M36	Z	-.428	-.428	0	%100
73	M37	X	-.247	-.247	0	%100
74	M37	Z	-.428	-.428	0	%100
75	M38	X	-.247	-.247	0	%100
76	M38	Z	-.428	-.428	0	%100
77	M39	X	-.247	-.247	0	%100
78	M39	Z	-.428	-.428	0	%100
79	M40	X	-.247	-.247	0	%100
80	M40	Z	-.428	-.428	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.]	End Magnitude[lb/ft.]	Start Location[ft.%]	End Location[ft.%]
81	MP1A	X	-.217	-.217	0	%100
82	MP1A	Z	-.376	-.376	0	%100
83	MP2A	X	-.217	-.217	0	%100
84	MP2A	Z	-.376	-.376	0	%100
85	MP3A	X	-.242	-.242	0	%100
86	MP3A	Z	-.42	-.42	0	%100
87	MP4A	X	-.217	-.217	0	%100
88	MP4A	Z	-.376	-.376	0	%100
89	MP5A	X	-.217	-.217	0	%100
90	MP5A	Z	-.376	-.376	0	%100
91	M60	X	-.367	-.367	0	%100
92	M60	Z	-.635	-.635	0	%100
93	M61	X	-.049	-.049	0	%100
94	M61	Z	-.084	-.084	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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

	Member	Shape	Code Check	L	LC	Shear C	Loc	phi*P	phi*P	phi*M	phi*M	Eqn
1	M1	PIPE 2.5	.189	8.5	47	.137	12...	117871...	50715	3.596	3.596	H1-1b
2	M2	PIPE 2.5	.236	4...	11	.120	12...	57871...	50715	3.596	3.596	H1-1b
3	M3	PIPE 2.0	.310	4...	29	.079	0	2921054...	32130	1.872	1.872	H1-1b
4	M4	PIPE 2.0	.343	4...	22	.082	0	2221054...	32130	1.872	1.872	H1-1b
5	M5	PIPE 2.0	.302	5...	28	.081	5.3...	2921054...	32130	1.872	1.872	H1-1b
6	M6	PIPE 2.0	.335	5...	23	.089	5.3...	1021054...	32130	1.872	1.872	H1-1b
7	M7	PIPE 2.0	.021	0	17	.003	0	1529957...	32130	1.872	1.872	H1-1...
8	M8	PIPE 2.0	.018	0	29	.003	2.4...	3529957...	32130	1.872	1.872	H1-1...
9	M9	HSS1.5...	.289	2...	22	.015	4.1...	85200...	8550...	.327	.327	H1-1a
10	M10	HSS1.5...	.105	2...	22	.015	4.1...	85200...	8550...	.327	.327	H1-1b
11	M11	HSS1.5...	.116	3...	23	.020	3.1...	116432...	8550...	.327	.327	H1-1...
12	M12	HSS1.5...	.217	0	22	.019	0	106432...	8550...	.327	.327	H1-1a
13	M13	HSS1.5...	.252	2...	28	.018	0	75200...	8550...	.327	.327	H1-1a
14	M14	HSS1.5...	.091	2...	28	.018	4.1...	85200...	8550...	.327	.327	H1-1b
15	M15	HSS1.5...	.112	3...	28	.025	3.1...	116432...	8550...	.327	.327	H1-1...
16	M16	HSS1.5...	.105	3...	29	.021	0	116432...	8550...	.327	.327	H1-1...
17	M17	PL3/8x3.5	.549	25	29	.079	.25 y	4640839...	42525	.332	3.101	H1-1b
18	M18	PL3/8x3.5	.610	25	22	.053	0 z	4140839...	42525	.332	3.101	H1-1b
19	M19	PL3/8x3.5	.481	25	29	.083	0 y	1140839...	42525	.332	3.101	H1-1b
20	M20	PL3/8x3.5	.533	25	23	.078	0 y	540839...	42525	.332	3.101	H1-1b
21	M21	PL3/8x3.5	.023	0	45	.021	0 y	1142097...	42525	.332	3.101	H1-1b
22	M22	PL3/8x3.5	.059	0	9	.018	0 y	1142097...	42525	.332	3.101	H1-1b
23	M23	PL3/8x3.5	.038	0	47	.018	0 y	1536175...	42525	.332	3.101	H1-1b
24	M24	PL3/8x3.5	.022	1...	39	.021	.125 y	1142097...	42525	.332	3.101	H1-1b
25	M25	PL3/8x3.5	.038	1...	47	.018	.125 y	1142097...	42525	.332	3.101	H1-1b
26	M26	PL3/8x3.5	.051	.5	10	.018	.5 y	1536175...	42525	.332	3.101	H1-1b
27	M27	PL3/8x3.5	.030	0	41	.026	0 y	1142097...	42525	.332	3.101	H1-1b
28	M28	PL3/8x3.5	.042	0	41	.020	0 y	1142097...	42525	.332	3.101	H1-1b
29	M29	PL3/8x3.5	.044	0	41	.016	0 y	4936175...	42525	.332	3.101	H1-1b
30	M30	PL3/8x3.5	.030	1...	29	.026	.125 y	1142097...	42525	.332	3.101	H1-1b
31	M31	PL3/8x3.5	.039	1...	41	.020	.125 y	1142097...	42525	.332	3.101	H1-1b
32	M32	PL3/8x3.5	.047	.5	41	.016	0 y	4936175...	42525	.332	3.101	H1-1b
33	M33	PIPE 4.0	.121	4...	23	.124	4.1...	1188331...	95904	10.935	10.935	H1-1b

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

Member	Shape	Code Check	L...	LC	Shear C...	Loc...	phi*P...	phi*P...	phi*M...	phi*M...	Eqn
34	M34 PIPE 3.0	.099	7...	4	.007	0	2118453...	.67068	5.913	5.913	H1-1b
35	MP1A PIPE 2.0	.080	4...	15	.035	4.5...	923808...	.32130	1.872	1.872	H1-1b
36	MP2A PIPE 2.0	.431	2...	11	.165	1.51	423808...	.32130	1.872	1.872	H1-1b
37	MP3A PIPE 2.5	.080	1...	10	.051	1.1...	441331...	.50715	3.596	3.596	H1-1b
38	MP4A PIPE 2.0	.181	1...	32	.031	1.3...	3519988...	.32130	1.872	1.872	H1-1b
39	MP5A PIPE 2.0	.163	5...	49	.027	2.0...	4920741...	.32130	1.872	1.872	H1-1b
40	M60 L2.5x2.5...	.129	3...	5	.005	0	y287947...	.38556	1.114	2.034	H2-1
41	M61 L2.5x2.5...	.221	3...	9	.005	7.3...	y27947...	.38556	1.114	2.034	H2-1

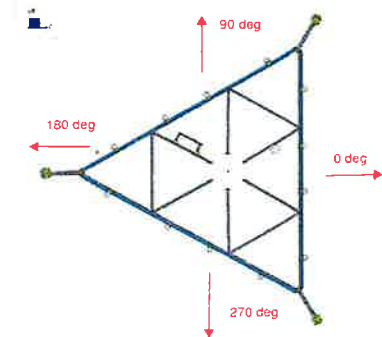
Envelope AISI S100-16: LRFD Cold Formed Steel Code Checks

Member	Shape	Code Check	Loc[ft]	LC	Shea...	Loc[ft]	Dir	LC	phi*Pn[...	phi*Tn[...	phi*Mn...	phi*Mn...	phi*...	phi*...	Cb	Eqn
1	M35 1.625CS1.625x1...	.136	1.53	7	.018	0	y	11	8974.0...	15151...	.408	.646	224...	448...	1.299	H1.2-1
2	M36 1.625CS1.625x1...	.132	1.53	7	.018	0	y	11	8974.0...	15151...	.408	.646	224...	448...	1.299	H1.2-1
3	M37 1.625CS1.625x1...	.136	1.53	6	.015	0	y	8	8974.0...	15151...	.408	.646	224...	448...	1.303	H1.2-1
4	M38 1.625CS1.625x1...	.142	1.53	6	.015	0	y	8	8974.0...	15151...	.408	.646	224...	448...	1.303	H1.2-1
5	M39 1.625CS1.625x1...	.069	1.922	29	.008	3.417	y	9	8974.0...	15151...	.408	.646	224...	448...	1.136	H1.2-1
6	M40 1.625CS1.625x1...	.031	1.708	10	.007	3.417	y	9	8974.0...	15151...	.408	.646	224...	448...	1.136	H1.2-1

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	N71	max	783.023	28	2416.984	6	620.351	12	0	75	0	75	0	75
2		min	-1126.769	11	-1969.919	12	-2060.679	6	0	1	0	1	0	1
3	N72	max	1105.591	11	3230.461	12	2283.543	24	0	75	0	75	0	75
4		min	-779.225	29	-1240.293	6	33.42	6	0	1	0	1	0	1
5	N90	max	371.254	5	97.632	15	1460.136	3	0	75	0	75	0	75
6		min	-371.619	11	41.639	72	-1464.355	9	0	1	0	1	0	1
7	N93	max	1795.707	11	257.526	3	330.257	9	0	27	0	49	0	14
8		min	-1749.752	4	-51.567	9	-888.079	3	0	45	0	14	0	49
9	Totals:	max	1437.926	10	2689.459	21	1847.884	1						
10		min	-1437.924	4	1033.84	67	-1847.895	7						

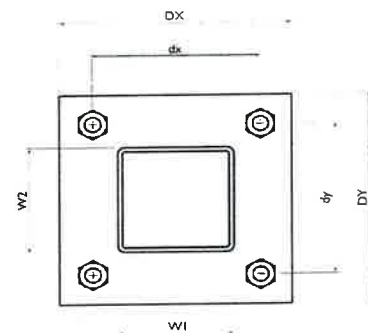
Custom Orientation Required

Yes[illegible]

Yes

Parallel

4
3.375
3
A36
0.5
0.0
0.8
6.4
3.8
21.7%



No

ATTACHMENT 4



Brad
Legal

370 WEST MAIN STREET



Google Maps

Google Directions

Zoom

[View Details](#)

Property Record Card

Parcel Master

Site Address 370 WEST MAIN STREET
Property ID S 033 9409
Town Name STAMFORD

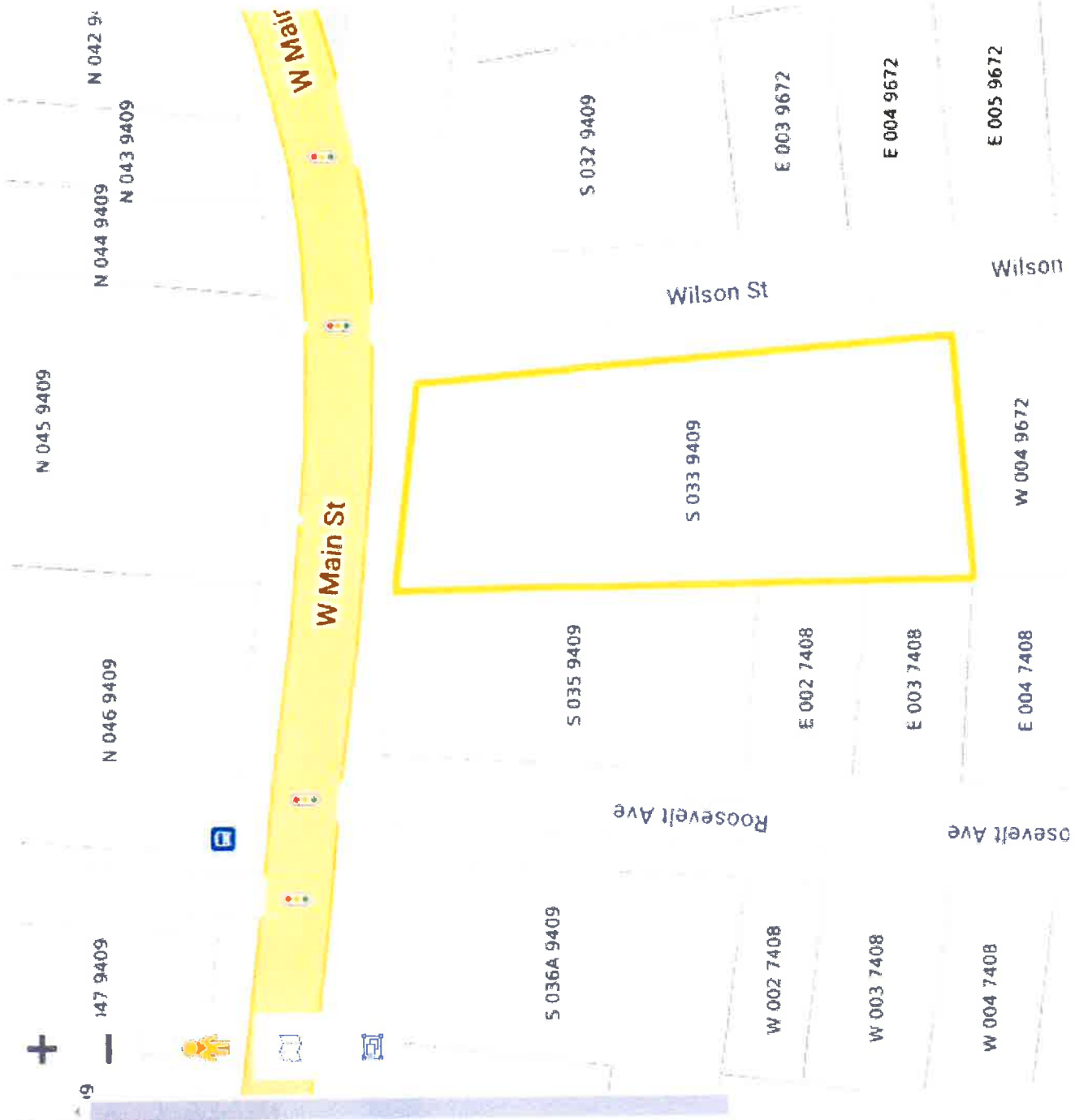
Ownership

Owner NSP II STAMFORD DST
Co Owner
Mailing Address 26 WEST 17TH STREET

Land

NEW YORK NY 10011

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ATTACHMENT 5

Certificate of Mailing — Firm

Name and Address of Sender		TOTAL NO. of Pieces Listed by Sender		TOTAL NO. of Pieces Received at Post Office™		Affix Stamp Here Postmark with Date of Receipt.	
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103		3		3			
Postmaster, per (name of receiving employee)		[Signature]		USPS			
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel AirLift		
1.	Caroline Simmons, Mayor City of Stamford 888 Washington Boulevard Stamford, CT 06901						
2.	Ralph Blessing, Land Use Bureau Chief City of Stamford 888 Washington Boulevard Stamford, CT 06901 NSP II Stamford DST 26 West 17th Street New York, NY 10011						
3.							
4.							
5.							
6.							