

October 18, 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**
76 East Avenue, Ridgefield, 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 tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower and Cellco’s use of the tower were approved by the Siting Council (“Council”) in September of 1989 (Docket No. 113). A copy of the Council’s Docket No. 113 Decision and Order is included in Attachment 1.

Cellco’s proposed modification involves the installation of four (4) interference mitigation filters (“Filters”) on its existing antenna platform and 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 Ridgefield’s Chief Elected Official and Land Use Officer. The Town of Ridgefield is the owner of the Property.

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

Melanie A. Bachman, Esq.

October 18, 2023

Page 2

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 and 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:

Rudy Marconi, First Selectman

Alice Dew, Planning and Zoning Director

Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 113 - An application of
Metro Mobile CTS of Fairfield County,
Inc., for a Certificate of Environmental
Compatibility and Public Need for
cellular telephone antennas and
associated equipment in the Town of
Ridgefield, Connecticut.

: Connecticut
:
: Siting
:
: Council
:September 8, 1989

DECISION AND ORDER

Pursuant to the foregoing Opinion, the Connecticut Siting Council finds that the effects associated with the construction, operation, and maintenance of a cellular monopole tower and associated equipment at the proposed Ridgefield site, including effects on the natural environment; ecological balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife, are not significant either alone or cumulatively with other effects, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by Section 16-50k of the Connecticut General Statutes (CGS) be issued to Metro Mobile CTS of Fairfield County, Inc., for the construction, operation, and maintenance of a cellular telephone tower site and associated equipment at the proposed site on Governor Street in Ridgefield, Connecticut.

The facility shall be substantially constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions:

1. The tower shall be a monopole no taller than necessary to provide the proposed service, and in no event shall the structure exceed a total height of 143 feet, including antennas.

2. The facility shall be constructed in accordance with applicable sections of the State of Connecticut Basic Building Code.
3. Unless necessary to comply with conditions of the Federal Aviation Administration, no lights shall be installed on this tower.
4. The Certificate Holder or its successor shall not oppose public or private entities who seek to share space on the tower unless technical reasons preclude such tower sharing.
5. The Certificate Holder or its successor shall notify the Council for acknowledgement or approval if and when directional antennas or any equipment other than that listed in this application are added to this facility.
6. If this facility does not provide, or permanently ceases to provide, cellular service following the completion of construction, this Decision and Order shall be void, and the tower and all associated equipment in this application shall be dismantled and removed or reapplication for any new use shall be made to the Council and a Certificate granted before any such new use is made.
7. The Certificate Holder shall comply with any future radio frequency (RF) standard, promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facility granted in this Decision and Order shall be brought into compliance with such standards.
8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken in this Decision and Order.

Pursuant to Section 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below. A notice of issuance shall be published in the Danbury News-Times, the Stamford Advocate, and the White Plains Reporter Dispatch.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of State Agencies.

The parties or intervenors to this proceeding are:

PARTY

Metro Mobile CTS of
Fairfield County, Inc.
50 Rockland Road
South Norwalk, CT 06854
ATTN: Phillip Mayberry
General Manager

ITS REPRESENTATIVE

Jennifer Young Gaudet, Esq.
David W. Bogan, Esq.
Bryne, Slater, Sandler
Shulman & Rouse, P.C.
330 Main Street
P.O. Box 3216
Hartford, CT 06103

Fleischman and Walsh, P.C.
1400 16th Street, N.W.
Suite 600
Washington, D.C. 20036
ATTN: Richard Rubin, Esq.

INTERVENOR

SNET Cellular, Inc.
227 Church Street
New Haven, CT 06506

ITS REPRESENTATIVE

Peter J. Tyrrell
Senior Attorney
SNET Cellular, Inc.
Room 1021
227 Church Street
New Haven, CT 06506

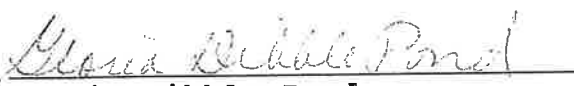
CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case in Docket No. 113 or read the record thereof, and that we voted as follows:

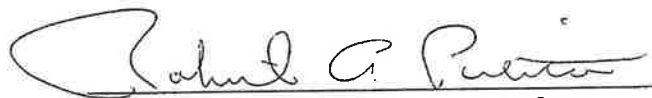
Dated at New Britain, Connecticut the 8th day of September, 1989.

Council Members

Vote Cast


Gloria Dibble Pond
Chairperson

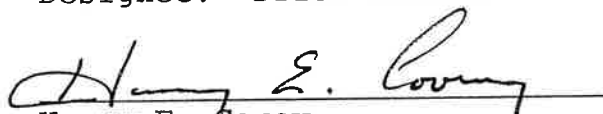
YES


Commissioner Peter Boucher
Designee: Robert A. Pulito

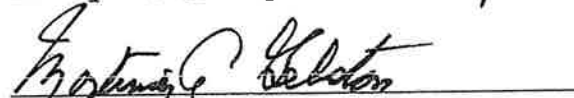
YES

Commissioner Leslie Carothers
Designee: Brian Emerick

ABSENT


Harry E. Covey

ABSTAIN


Mortimer A. Gelston


YES


Daniel P. Lynch, Jr.

YES


Paulann H. Sheets

YES


William H. Smith

YES


Colin C. Tait

YES

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The BSF0020 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the BSF0020 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the BSF0020 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



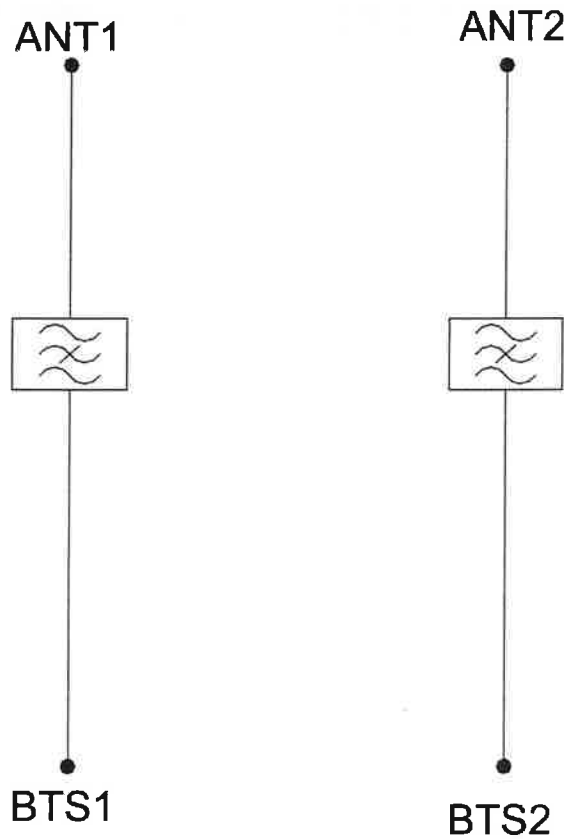
TECHNICAL SPECIFICATIONS

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.	

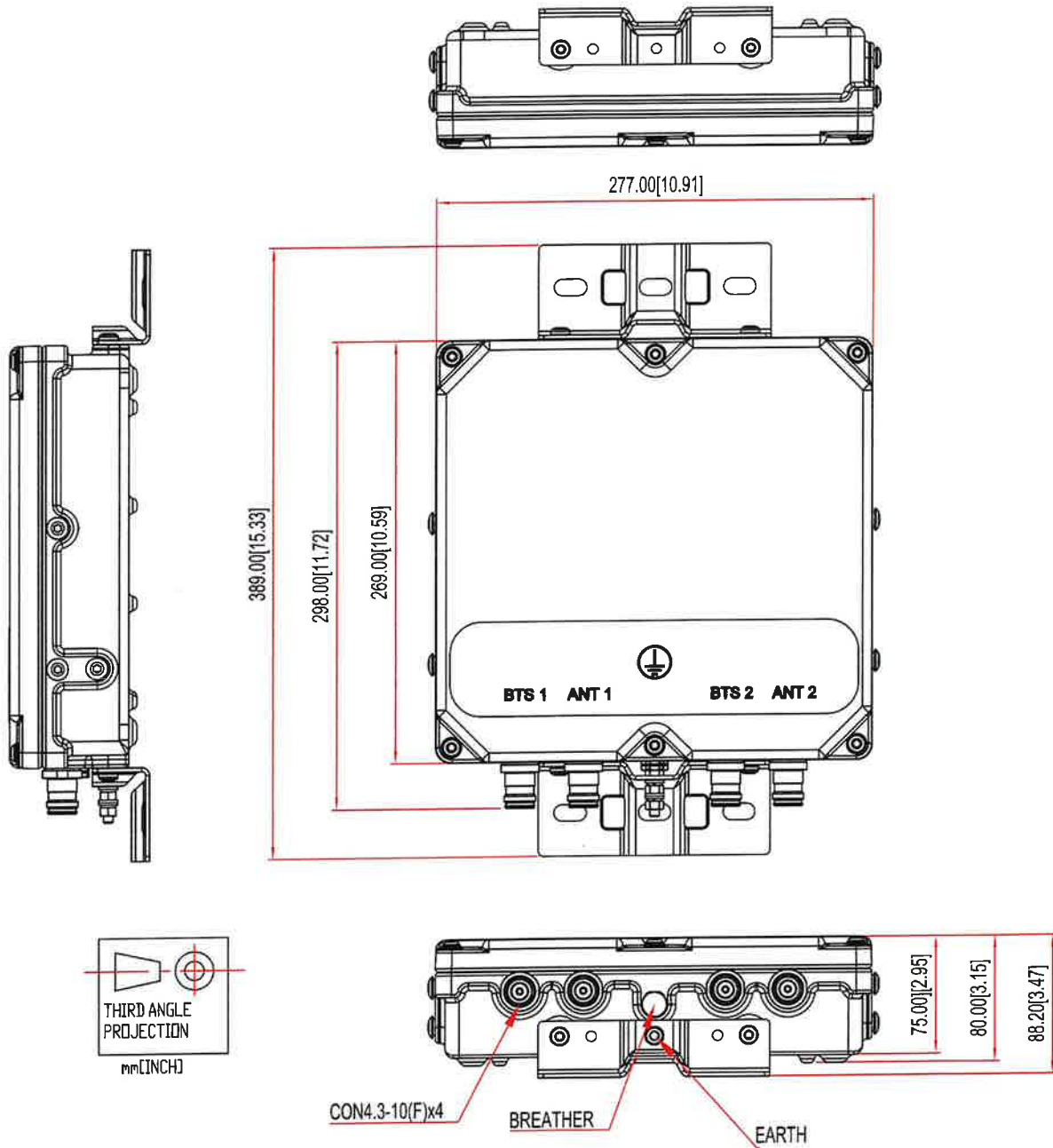
ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



Structural Analysis Report

Location Code: 468697
Site Name: RIDGEFIELD CT
FUZE Project ID: 17123986
Project Name: RF Filter Add
Address: 76 East Ridge Avenue
Ridgefield, CT 06877

Client:

verizon✓

**20 ALEXANDER DRIVE
WALLINGFORD, CT 06492**

Date: 09/19/2023



Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



Scope of Work:

Centerline Communications was authorized by Verizon Wireless to perform an analysis of the existing 130 ft. monopole to determine its capacity to support the existing and proposed equipment listed in this report.

Existing & Proposed Equipment:

Carrier	Mounting Level (ft)	Center Line Elevation (ft)	Number of Appurtenances	Antenna Manufacturer	Appurtenance Model	Feed Lines (in)
-	130.0	135.0	1	-	10' Omni	(1) 7/8
Verizon Wireless	128.0	128.0	6	Andrew	JAHH-65B-R3B	(12) 7/8 (2) 1-1/4 (1) 1/2
		128.0	3	Samsung	MT6407-77A	
		128.0	3	Antel	BXA-80080/4CF	
		128.0	3	Samsung	XXWMM-12.5-65-8T-CBRS	
		128.0	3	Commscope	CBC78T-DS-43-2X	
		128.0	3	Samsung	B2/B66A RRH-BR049	
		128.0	3	Samsung	B5/B13 RRH-BR04C	
		128.0	2	Raycap	RRFCD-3315-PF-48	
		128.0	4	Kaelus	KA-6030	
		128.0	2	Site Pro 1	RRUDSM	
		128.0	3	-	Platform w/ Handrails	
-	116.0	116.0	3	RFS/Celwave	APXVSPP18-C-A20	(3) 1-1/4 HCS
		116.0	3	RFS/Celwave	APXVTM14-C-120	
		116.0	3	ALU	30"x18"x4" RRH	
		116.0	3	ALU	800 MHz RRH	
		116.0	3	ALU	1900 MHz RRH	
		116.0	1	-	Low Profile Platform	
-	106.0	106.0	1	Andrew	VHLP3-11W-6WH	(1) EW63
		106.0	1	-	Pipe Mount	
-	99.0	103.0	2	RFI	BA4040-41-DIN	(23) 7/8
		99.0	3	Ericsson	AIR21 B2A/B4P	
		99.0	3	Ericsson	AIR21 B4A/B2P	
		99.0	3	Andrew	LNx-6515DS-VTM	
		99.0	3	Ericsson	RRUS 11	
		99.0	3	Ericsson	KRY 112 144/1 TMA	
		99.0	1	-	Platform w/ Handrails	

Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



-	87.0	87.0	1	Andrew	VHLP3-11W-6WH	(1) EW63
		87.0	1	-	Pipe Mount	
-	85.0	90.0	1	-	10' Omni	(2) 7/8 (1) EW63
		85.0	2	-	Side Arm	
		85.0	1	Andrew	VHLP3-11W-6WH	
		85.0	1	-	Pipe Mount	
		84.0	1	-	18" Dipole	
-	59.0	63.0	1	-	8 Element Yagi	(1) 7/8
		59.0	1	-	Side Arm	
-	57.0	60.0	1	-	2' Omni	(1) 7/8
		57.0	1	-	Pipe Mount	
-	50.0	50.0	1	-	GPS	(1) 1/2
		50.0	1	-	Side Arm	

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)	126 mph
Wind Speed with Ice	50 mph
Ice Thickness	1.00 in.
Exposure Category	B
Topographic Category	1
Risk Category	III
Site Soil Class (Assumed)	D – Stiff Soil
Seismic Design Category	B
Spectral Response Acceleration Parameter at a Short Periods, S_s	0.243 g
Spectral Response Acceleration Parameter at a Period of 1 Second, S_1	0.057 g
Short Period Site Coefficient, F_a	1.60
Long Period Site Coefficient, F_v	2.40

*Refer to calculations for additional design criteria.

Centerline Engineering Services, PA
 750 W Center St, Suite 301
 West Bridgewater, MA 02379
 781-713-4725



Conclusion:

Tower Section Capacity (Summary)

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
L1	130 - 125	Pole	TP17.3603x16.26x0.22	1	-4.49	710.32	8.0	Pass
L2	125 - 120	Pole	TP18.4606x17.3603x0.22	2	-4.77	755.92	17.7	Pass
L3	120 - 115	Pole	TP19.5609x18.4606x0.22	3	-7.01	801.51	27.0	Pass
L4	115 - 110	Pole	TP20.6612x19.5609x0.22	4	-7.38	847.11	37.3	Pass
L5	110 - 105	Pole	TP21.7615x20.6612x0.22	5	-7.86	892.71	46.3	Pass
L6	105 - 100	Pole	TP22.8618x21.7615x0.22	6	-8.30	938.31	54.6	Pass
L7	100 - 95	Pole	TP23.9621x22.8618x0.22	7	-11.38	983.91	65.9	Pass
L8	95 - 89.92	Pole	TP25.08x23.9621x0.22	8	-11.49	993.02	68.0	Pass
L9	89.92 - 89	Pole	TP24.8422x23.7422x0.31	9	-12.41	1432.55	51.5	Pass
L10	89 - 84	Pole	TP25.9422x24.8422x0.31	10	-13.38	1496.79	56.7	Pass
L11	84 - 79	Pole	TP27.0423x25.9422x0.31	11	-14.13	1561.02	62.0	Pass
L12	79 - 74	Pole	TP28.1423x27.0423x0.31	12	-14.92	1625.26	66.8	Pass
L13	74 - 69	Pole	TP29.2424x28.1423x0.31	13	-15.73	1689.50	71.1	Pass
L14	69 - 64	Pole	TP30.3424x29.2424x0.31	14	-16.58	1753.73	75.0	Pass
L15	64 - 60	Pole	TP31.2225x30.3424x0.31	15	-17.28	1805.12	77.9	Pass
L16	60 - 59.75	Pole	TP31.2775x31.2225x0.5975	16	-17.35	3453.06	39.0	Pass
L17	59.75 - 54.75	Pole	TP32.3775x31.2775x0.585	17	-18.87	3503.42	41.0	Pass
L18	54.75 - 44.83	Pole	TP34.56x32.3775x0.5725	18	-20.17	3542.61	43.0	Pass
L19	44.83 - 43.83	Pole	TP34.1596x32.8026x0.6425	19	-23.34	4056.50	41.2	Pass
L20	43.83 - 40	Pole	TP35.002x34.1596x0.63	20	-24.53	4079.04	42.6	Pass
L21	40 - 39.75	Pole	TP35.057x35.002x0.38	21	-24.60	2482.20	71.5	Pass
L22	39.75 - 34.75	Pole	TP36.1568x35.057x0.38	22	-25.73	2560.92	73.5	Pass
L23	34.75 - 29.75	Pole	TP37.2565x36.1568x0.38	23	-26.91	2639.64	75.4	Pass
L24	29.75 - 24.75	Pole	TP38.3563x37.2565x0.38	24	-28.12	2718.36	77.2	Pass
L25	24.75 - 22.5	Pole	TP38.8511x38.3563x0.38	25	-28.68	2753.79	77.9	Pass
L26	22.5 - 22.25	Pole	TP38.9061x38.8511x0.68	26	-28.78	4896.45	41.5	Pass
L27	22.25 - 17.25	Pole	TP40.0059x38.9061x0.6675	27	-30.62	4946.29	42.7	Pass
L28	17.25 - 12.25	Pole	TP41.1056x40.0059x0.655	28	-32.50	4990.89	43.8	Pass
L29	12.25 - 7.25	Pole	TP42.2054x41.1056x0.655	29	-34.41	5126.58	44.2	Pass
L30	7.25 - 3.5	Pole	TP43.0302x42.2054x0.6425	30	-35.87	5130.08	45.2	Pass
L31	3.5 - 3.25	Pole	TP43.0852x43.0302x0.6425	31	-35.97	5136.74	45.3	Pass
L32	3.25 - 3	Pole	TP43.1402x43.0852x0.88	32	-36.10	7005.28	33.6	Pass
L33	3 - 2.75	Pole	TP43.1951x43.1402x0.6175	33	-36.19	4952.57	47.0	Pass
L34	2.75 - 0	Pole	TP43.8x43.1951x0.6175	34	-37.18	5022.92	47.2	Pass
							Summary	
						Pole (L15)	77.9	Pass
						RATING =	77.9	Pass

Structure Rating (Max From All Components) =	77.9%
---	--------------

Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



Foundation Capacity (Summary)

Component	% Capacity	Pass Fail
Base Plate	43.3	Pass
Anchor Rods	82.0	Pass
Foundation Rating – Structural	84.6	Pass
Foundation Rating – Soil Interaction	42.0	Pass

Foundation Rating (Max From All Components) =	84.6%
---	-------

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 Modification Report and Drawings by Infinigy, dated September 3, 2021
- Antenna Mount Analysis Report by Colliers Engineering & Design Ct. P.C., dated August 13, 2023
- Lease Exhibit by Centerline, dated September 6, 2023

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 Modification Report by Hudson Design Group, LLC, dated September 2, 2021 and the Lease Exhibit by Centerline, dated September 6, 2023.

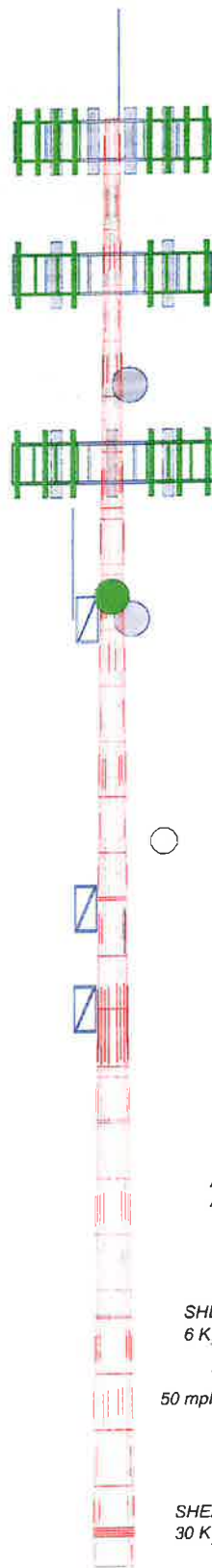
Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



Design Calculations

Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725

130.0 ft
125.0 ft
120.0 ft
115.0 ft
110.0 ft
105.0 ft
100.0 ft
95.0 ft
89.9 ft
84.0 ft
79.0 ft
74.0 ft
69.0 ft
64.0 ft
60.0 ft
54.8 ft
44.8 ft
40.0 ft
34.8 ft
29.8 ft
24.8 ft
22.5 ft
17.3 ft
12.3 ft
7.3 ft
3.5 ft
0.0 ft

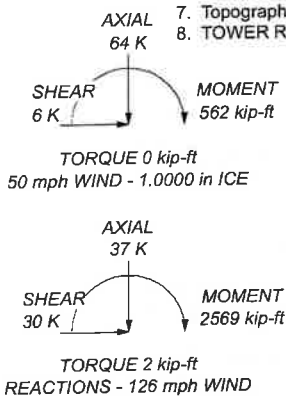


TYPE	ELEVATION	TYPE	ELEVATION
PD440-140	130	800 MHz RRH	116
(2) JAHB-65B-R3B w/ Mount Pipe	128	000 MHz RRH	116
(2) JAHB-65B-R3B w/ Mount Pipe	128	800 MHz RRH	116
(2) JAHB-65B-R3B w/ Mount Pipe	128	1900 MHz RRH	116
MT6407-77A w/ Pipe Mount	128	1900 MHz RRH	116
MT6407-77A w/ Pipe Mount	128	1900 MHz RRH	116
MT6407-77A w/ Pipe Mount	128	Low Profile Platform	116
XXDWMM-12.5-65-8T-CBRS w/ Mount Pipe	128	Pipe Mount	106
XXDWMM-12.5-65-8T-CBRS w/ Mount Pipe	128	VHLP3-11W-6WH/A	106
XXDWMM-12.5-65-8T-CBRS w/ Mount Pipe	128	BA4040-41-DIN	99
XXDWMM-12.5-65-8T-CBRS w/ Mount Pipe	128	AIR 21 B2A/B4P w/ Mount Pipe	99
XXDWMM-12.5-65-8T-CBRS w/ Mount Pipe	128	AIR 21 B2A/B4P w/ Mount Pipe	99
XXDWMM-12.5-65-8T-CBRS w/ Mount Pipe	128	AIR 21 B2A/B4P w/ Mount Pipe	99
BXA-80080/4CF w/ Mount Pipe	128	AIR 21 B4A/B2P w/ Mount Pipe	99
BXA-80080/4CF w/ Mount Pipe	128	AIR 21 B4A/B2P w/ Mount Pipe	99
BXA-80080/4CF w/ Mount Pipe	128	AIR 21 B4A/B2P w/ Mount Pipe	99
CBC78T-DS-43-2X	128	LNK-6515DS-VTM w/ Mount Pipe	99
CBC78T-DS-43-2X	128	LNK-6515DS-VTM w/ Mount Pipe	99
CBC78T-DS-43-2X	128	LNK-6515DS-VTM w/ Mount Pipe	99
B2/B66A RRH-BR049 (RFV01U-D1A)	128	RRUS 11	99
B2/B66A RRH-BR049 (RFV01U-D1A)	128	RRUS 11	99
B2/B66A RRH-BR049 (RFV01U-D1A)	128	RRUS 11	99
B5/B13 RRH-BR04C (RFV01U-D2A)	128	KRY 112 144/1	99
B5/B13 RRH-BR04C (RFV01U-D2A)	128	KRY 112 144/1	99
B5/B13 RRH-BR04C (RFV01U-D2A)	128	KRY 112 144/1	99
RRFDC-3315-PF-48	128	Platform w/ Handrails	99
RRFDC-3315-PF-48	128	BA4040-41-DIN	99
(2) KA-6030	128	Pipe Mount	87
(2) KA-6030	128	VHLP3-11W-6WH/A	87
RRUDSM	128	18" Dipole	85
RRUDSM	128	Pipe Mount	85
Platform w/ Handrails Kicker	128	10' Omni Antenna	85
APXVSP18-C-A20 w/ Mount Pipe	116	Side Arm	85
APXVSP18-C-A20 w/ Mount Pipe	116	VHLP3-11W-6WH/A	85
APXVSP18-C-A20 w/ Mount Pipe	116	8 Element Yagi	59
APXVTM14-C-120 w/ Mount Pipe	116	Side Arm	59
APXVTM14-C-120 w/ Mount Pipe	116	Pipe Mount	57
APXVTM14-C-120 w/ Mount Pipe	116	2' Omni Antenna	57
30"x18"x4" RRH	116	GPS	50
30"x18"x4" RRH	116	Side Arm	50
30"x18"x4" RRH	116		

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 126 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 III.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 77.9%

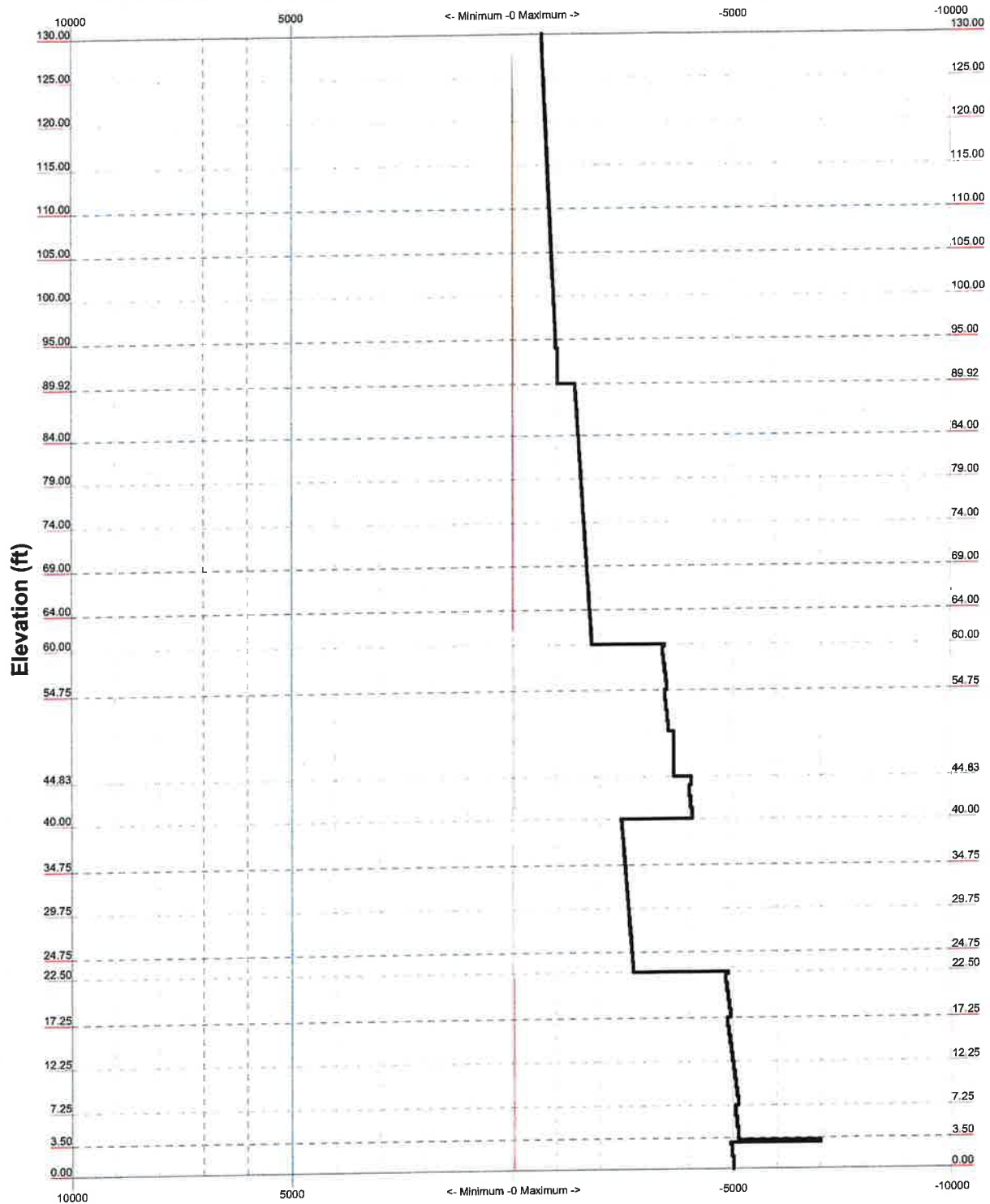
ALL REACTIONS
ARE FACTOR5.



Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	12	0.2200	0.2200	20.6612	18.4606	17.3603	16.2600
2	5.00	12	0.2200	0.2200	21.7615	20.6612	19.5609	18.4606
3	5.00	12	0.2200	0.2200	22.8618	21.7615	20.6612	19.5609
4	5.00	12	0.2200	0.2200	23.9621	22.8618	21.7615	20.6612
5	5.00	12	0.2200	0.2200	25.0624	23.9621	22.8618	21.7615
6	5.00	12	0.2200	0.2200	26.1627	25.0624	23.9621	22.8618
7	5.00	12	0.2200	0.2200	27.2630	26.1627	25.0624	23.9621
8	5.00	12	0.2200	0.2200	28.3633	27.2630	26.1627	25.0624
9	5.00	12	0.2200	0.2200	29.4636	28.3633	27.2630	26.1627
10	5.00	12	0.2200	0.2200	30.5639	29.4636	28.3633	27.2630
11	5.00	12	0.2200	0.2200	31.6642	30.5639	29.4636	28.3633
12	5.00	12	0.2200	0.2200	32.7645	31.6642	30.5639	29.4636
13	5.00	12	0.2200	0.2200	33.8648	32.7645	31.6642	30.5639
14	5.00	12	0.2200	0.2200	34.9651	33.8648	32.7645	31.6642
15	5.00	12	0.2200	0.2200	36.0654	34.9651	33.8648	32.7645
16	5.00	12	0.2200	0.2200	37.1657	36.0654	34.9651	33.8648
17	5.00	12	0.2200	0.2200	38.2660	37.1657	36.0654	34.9651
18	5.00	12	0.2200	0.2200	39.3663	38.2660	37.1657	36.0654
19	5.00	12	0.2200	0.2200	40.4666	39.3663	38.2660	37.1657
20	5.00	12	0.2200	0.2200	41.5669	40.4666	39.3663	38.2660
21	5.00	12	0.2200	0.2200	42.6672	41.5669	40.4666	39.3663
22	5.00	12	0.2200	0.2200	43.7675	42.6672	41.5669	40.4666
23	5.00	12	0.2200	0.2200	44.8678	43.7675	42.6672	41.5669
24	5.00	12	0.2200	0.2200	45.9681	44.8678	43.7675	42.6672
25	5.00	12	0.2200	0.2200	47.0684	45.9681	44.8678	43.7675
26	5.00	12	0.2200	0.2200	48.1687	47.0684	45.9681	44.8678
27	5.00	12	0.2200	0.2200	49.2690	48.1687	47.0684	45.9681
28	5.00	12	0.2200	0.2200	50.3693	49.2690	48.1687	47.0684
29	5.00	12	0.2200	0.2200	51.4696	50.3693	49.2690	48.1687
30	5.00	12	0.2200	0.2200	52.5699	51.4696	50.3693	49.2690
31	5.00	12	0.2200	0.2200	53.6702	52.5699	51.4696	49.2690
32	5.00	12	0.2200	0.2200	54.7705	53.6702	52.5699	49.2690
33	5.00	12	0.2200	0.2200	55.8708	54.7705	53.6702	49.2690
34	5.00	12	0.2200	0.2200	56.9711	55.8708	54.7705	49.2690
35	5.00	12	0.2200	0.2200	58.0714	56.9711	55.8708	49.2690
36	5.00	12	0.2200	0.2200	59.1717	58.0714	56.9711	49.2690
37	5.00	12	0.2200	0.2200	60.2720	59.1717	58.0714	49.2690
38	5.00	12	0.2200	0.2200	61.3723	60.2720	59.1717	49.2690
39	5.00	12	0.2200	0.2200	62.4726	61.3723	60.2720	49.2690
40	5.00	12	0.2200	0.2200	63.5729	62.4726	61.3723	49.2690
41	5.00	12	0.2200	0.2200	64.6732	63.5729	62.4726	49.2690
42	5.00	12	0.2200	0.2200	65.7735	64.6732	63.5729	49.2690
43	5.00	12	0.2200	0.2200	66.8738	65.7735	64.6732	49.2690
44	5.00	12	0.2200	0.2200	67.9741	66.8738	65.7735	49.2690
45	5.00	12	0.2200	0.2200	69.0744	67.9741	66.8738	49.2690
46	5.00	12	0.2200	0.2200	70.1747	69.0744	67.9741	49.2690
47	5.00	12	0.2200	0.2200	71.2750	70.1747	69.0744	49.2690
48	5.00	12	0.2200	0.2200	72.3753	71.2750	70.1747	49.2690
49	5.00	12	0.2200	0.2200	73.4756	72.3753	71.2750	49.2690
50	5.00	12	0.2200	0.2200	74.5759	73.4756	72.3753	49.2690
51	5.00	12	0.2200	0.2200	75.6762	74.5759	73.4756	49.2690
52	5.00	12	0.2200	0.2200	76.7765	75.6762	74.5759	49.2690
53	5.00	12	0.2200	0.2200	77.8768	76.7765	75.6762	49.2690
54	5.00	12	0.2200	0.2200	78.9771	77.8768	76.7765	49.2690
55	5.00	12	0.2200	0.2200	80.0774	78.9771	77.8768	49.2690
56	5.00	12	0.2200	0.2200	81.1777	80.0774	78.9771	49.2690
57	5.00	12	0.2200	0.2200	82.2780	81.1777	80.0774	49.2690
58	5.00	12	0.2200	0.2200	83.3783	82.2780	81.1777	49.2690
59	5.00	12	0.2200	0.2200	84.4786	83.3783	82.2780	49.2690
60	5.00	12	0.2200	0.2200	85.5789	84.4786	83.3783	49.2690
61	5.00	12	0.2200	0.2200	86.6792	85.5789	84.4786	49.2690
62	5.00	12	0.2200	0.2200	87.7795	86.6792	85.5789	49.2690
63	5.00	12	0.2200	0.2200	88.8798	87.7795	86.6792	49.2690
64	5.00	12	0.2200	0.2200	89.9801	88.8798	87.7795	49.2690
65	5.00	12	0.2200	0.2200	91.0804	89.9801	88.8798	49.2690
66	5.00	12	0.2200	0.2200	92.1807	91.0804	89.9801	49.2690
67	5.00	12	0.2200	0.2200	93.2810	92.1807	91.0804	49.2690
68	5.00	12	0.2200	0.2200	94.3813	93.2810	92.1807	49.2690
69	5.00	12	0.2200	0.2200	95.4816	94.3813	93.2810	49.2690
70	5.00	12	0.2200	0.2200	96.5819	95.4816	94.3813	49.2690
71	5.00	12	0.2200	0.2200	97.6822	96.5819	95.4816	49.2690
72	5.00	12	0.2200	0.2200	98.7825	97.6822	96.5819	49.2690
73	5.00	12	0.2200	0.2200	99.8828	98.7825	97.6822	49.2690
74	5.00	12	0.2200	0.2200	100.9831	99.8828	98.7825	49.2690
75	5.00	12	0.2200	0.2200	102.0834	100.9831	99.8828	49.2690
76	5.00	12	0.2200	0.2200	103.1837	102.0834	100.9831	49.2690
77	5.00	12	0.2200	0.2200	104.2840	103.1837	102.0834	49.2690
78	5.00	12	0.2200	0.2200	105.3843	104.2840	103.1837	49.2690
79	5.00	12	0.2200	0.2200	106.4846	105.3843	104.2840	49.2690
80	5.00	12	0.2200	0.2200	107.5849	106.4846	105.3843	49.2690
81	5.00	12	0.2200	0.2200	108.6852	107.5849	106.4846	49.2690
82	5.00	12	0.2200	0.2200	109.7855	108.6852	107.5849	49.2690
83	5.00	12	0.2200	0.2200	110.8858	109.7855	108.6852	49.2690
84	5.00	12	0.2200	0.2200	111.9861	110.8858	109.7855	49.2690
85	5.00	12	0.2200	0.2200	113.0864	111.9861	110.8858	49.2690
86	5.00	12	0.2200	0.2200	114.1867	113.0864	111.9861	49.2690
87	5.00	12	0.2200	0.2200	115.2870	114.1867	113.0864	49.2690
88	5.00	12	0.2200	0.2200	116.3873	115.2870	114.1867	49.2690
89	5.00	12	0.2200	0.2200	117.4876	116.3873	115.2870	49.2690
90	5.00	12	0.2200	0.2200	118.5879	117.4876	116.3873	49.2690
91	5.00	12	0.2200	0.2200	119.6882	118.5879	117.4876	49.2690
92	5.00	12	0.2200	0.2200	120.7885	119.6882	118.5879	49.2690
93	5.00	12	0.2200	0.2200	121.8888	120.7885	119.6882	49.2690
94	5.00	12	0.2200	0.2200	122.9891	121.8888	120.7885	49.2690
95	5.00	12	0.2200	0.2200	124.0894	122.9891	121.8888	49.2690
96	5.00	12	0.2200	0.2200	125.1897	124.0894	122.9891	49.2690
97	5.00	12	0.2200	0.2200	126.2900	125.1897	124.0894	49.2690
98	5.00	12	0.2200	0.2200	127.3903	126.2900	125.1897	49.2690
99	5.00	12	0.2200	0.2200	128.4906	127.3903	126.2900	49.2690
100	5.00	12	0.2200	0.2200	129.5909	128.4906	127.3903	49.2690
101	5.00	12	0.2200	0.2200	130.6912	129.5909	128.4906	49.2690
102	5.00	12	0.2200	0.2200	131.7915	130.6912	129.5909	49.2690
103	5.00	12	0.2200	0.2200	132.8918	131.7915	130.6912	49.2690
104	5.00	12	0.2200	0.2200	133.9921	132.8918	131.7915	49.2690
105	5.00	12	0.2200	0.2200	135.0924	133.9921	132.8918	49.2690
106	5.00	12	0.2200	0.2200	136.1927	135.0924	133.9921	49.2690
107	5.00	12	0.2200	0.2200	137.2930	136.1927	135.0924	49.2690
108	5.00	12	0.2200	0.2200	138.3933	137.2930	136.1927	49.2690
109	5.00	12	0.2200	0.2200	139.4936	138.3933	137.2930	49.2690
110	5.00	12	0.2200	0.2200	140.5939	139.4936	138.3933	49.2690
111	5.00	12	0.2200	0.2200	141.6942	140.5939	139.4936	49.2690
112	5.00	12	0.2200	0.2200	142.7945	141.6942	140.5939	49.2690
113	5.00	12	0.2200	0.2200	143.8948	142.7945	141.6942	49.2690
114	5.00	12	0.2200	0.2200	144.9951	143.8948	142.7945	49.2690
115	5.00	12	0.2200	0.2200	146.0954	144.9951	143.8948	49.2690
116	5.00	12	0.2200	0.2200	147.1957	146.0954	144.9951	49.2690
117	5.00	12	0.2200	0.2200	148.2960	147.1957	146.0954	49.2690
118	5.00	12	0.2200	0.2200	149.3963	148.2960	147.1957	49.2690
119	5.00	12	0.2200	0.2200	150.4966	149.3963	148.2960	49.2690
120	5.00	12	0.2200	0.2200	151.5969	150.4966	149.3963	49.2690
121	5.00	12	0.2200	0.2200	152.6972	151.5969	150.4966	49.2690
122	5.00	12	0.2200	0.2200	153.7975	152.6972	151.5969	49.2690
123	5.00	12	0.2200	0				

TIA-222-H - 126 mph/50 mph 1.0000 in Ice Exposure B

Leg Capacity ——— Leg Compression (K)



 Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job: Ridgefield CT		
	Project: 23CLVZ-0004		
	Client: Verizon Wireless	Drawn by: jboegel	App'd:
	Code: TIA-222-H	Date: 09/19/23	Scale: NTS
	Path:	Dwg No: E-3	

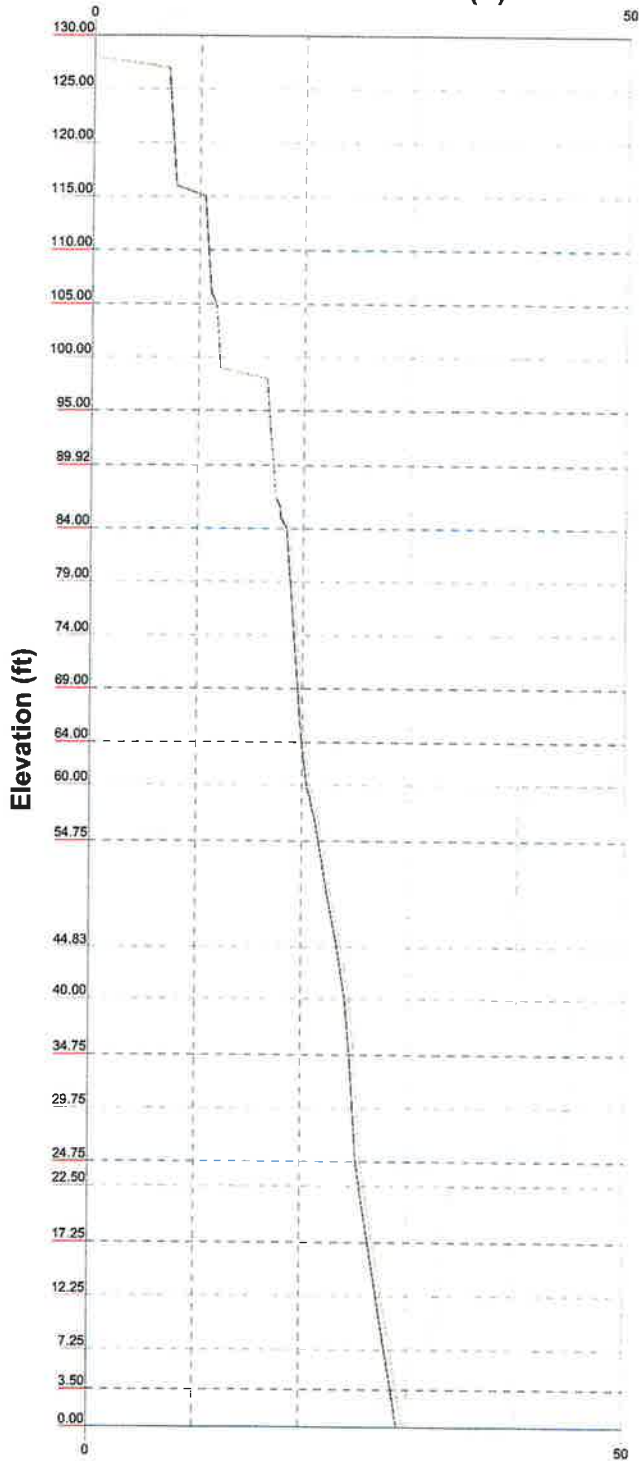
Vx

Vz

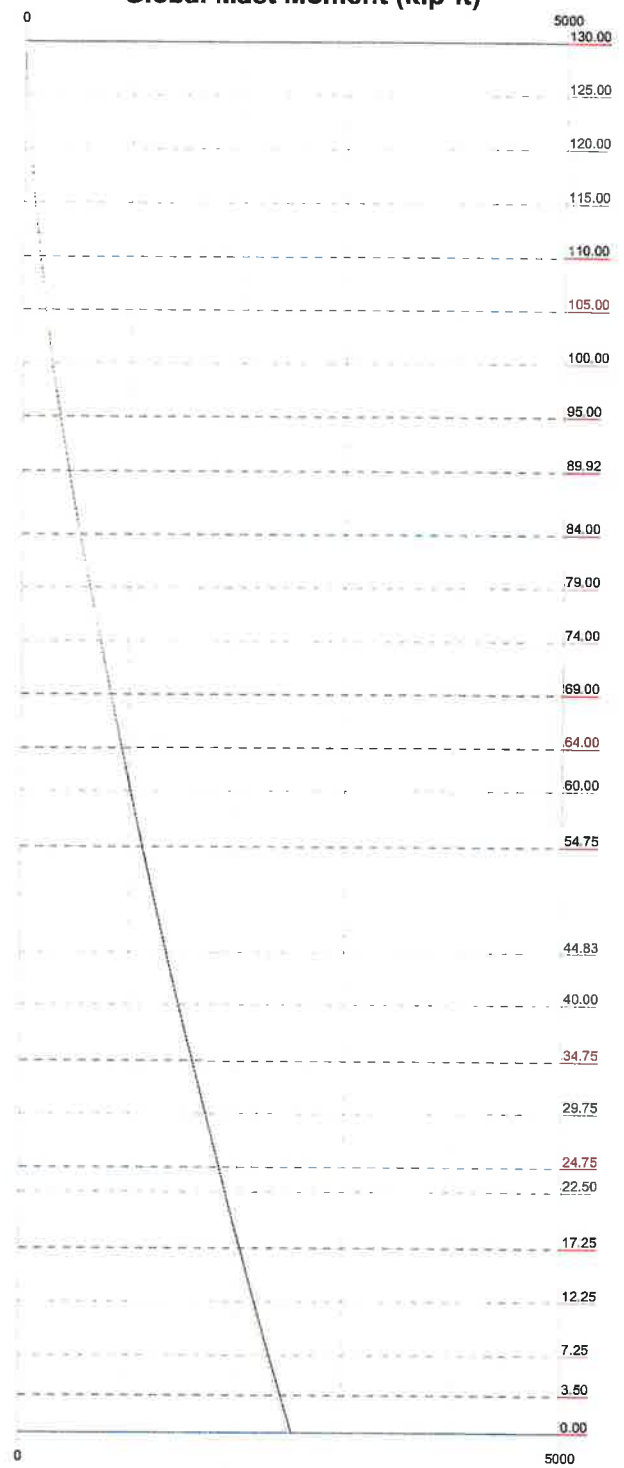
Mx

Mz

Global Mast Shear (K)



Global Mast Moment (kip-ft)

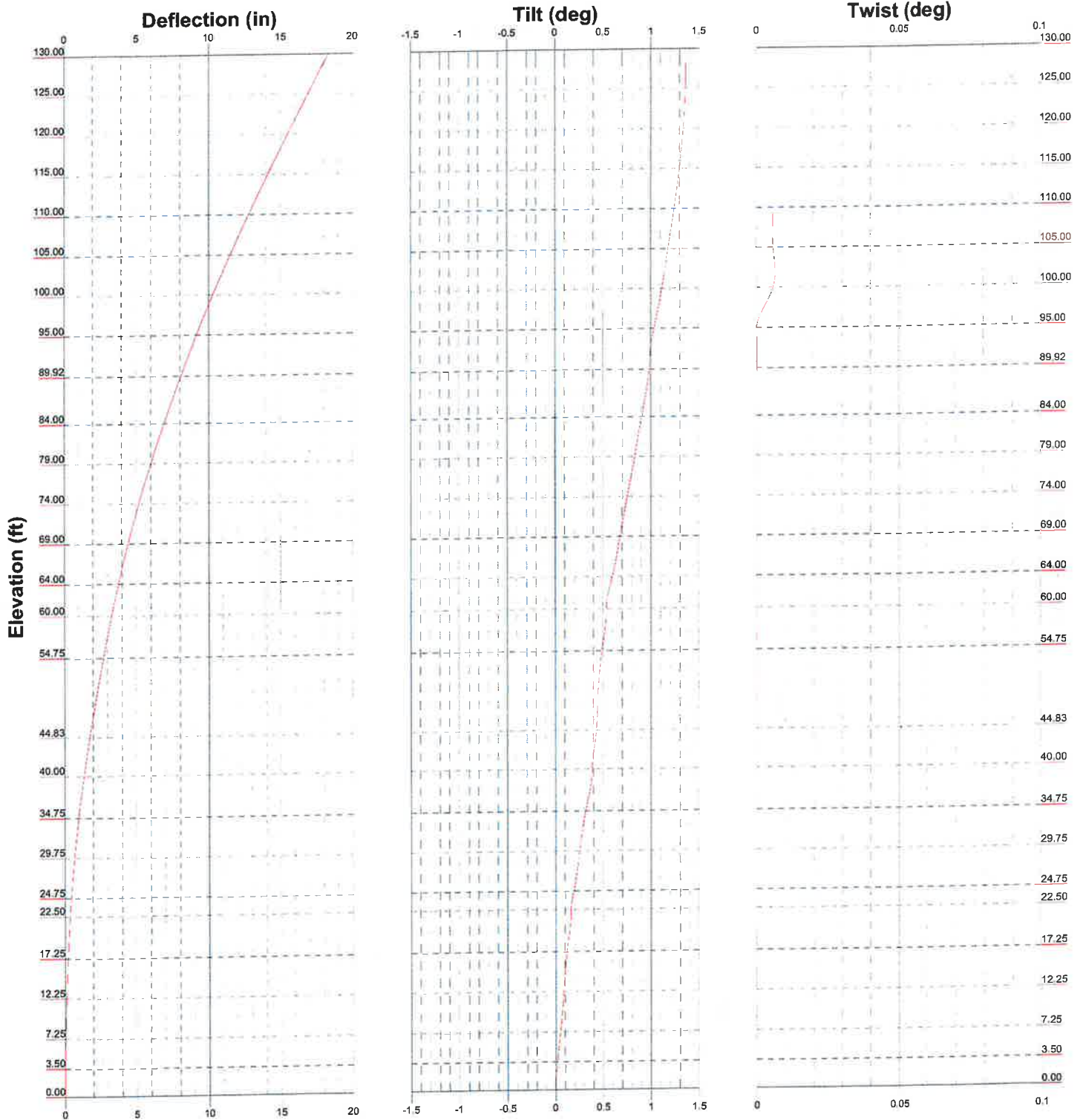


Centerline Engineering Services, PA
 750 W Center St, Suite 301
 West Bridgewater, MA 02379
 Phone: (781) 713-4725
 FAX:

Job: Ridgefield CT		
Project: 23CLVZ-0004		
Client: Verizon Wireless	Drawn by: jboegel	App'd:
Code: TIA-222-H	Date: 09/19/23	Scale: NTS
Path:	Dwg No. E-4	

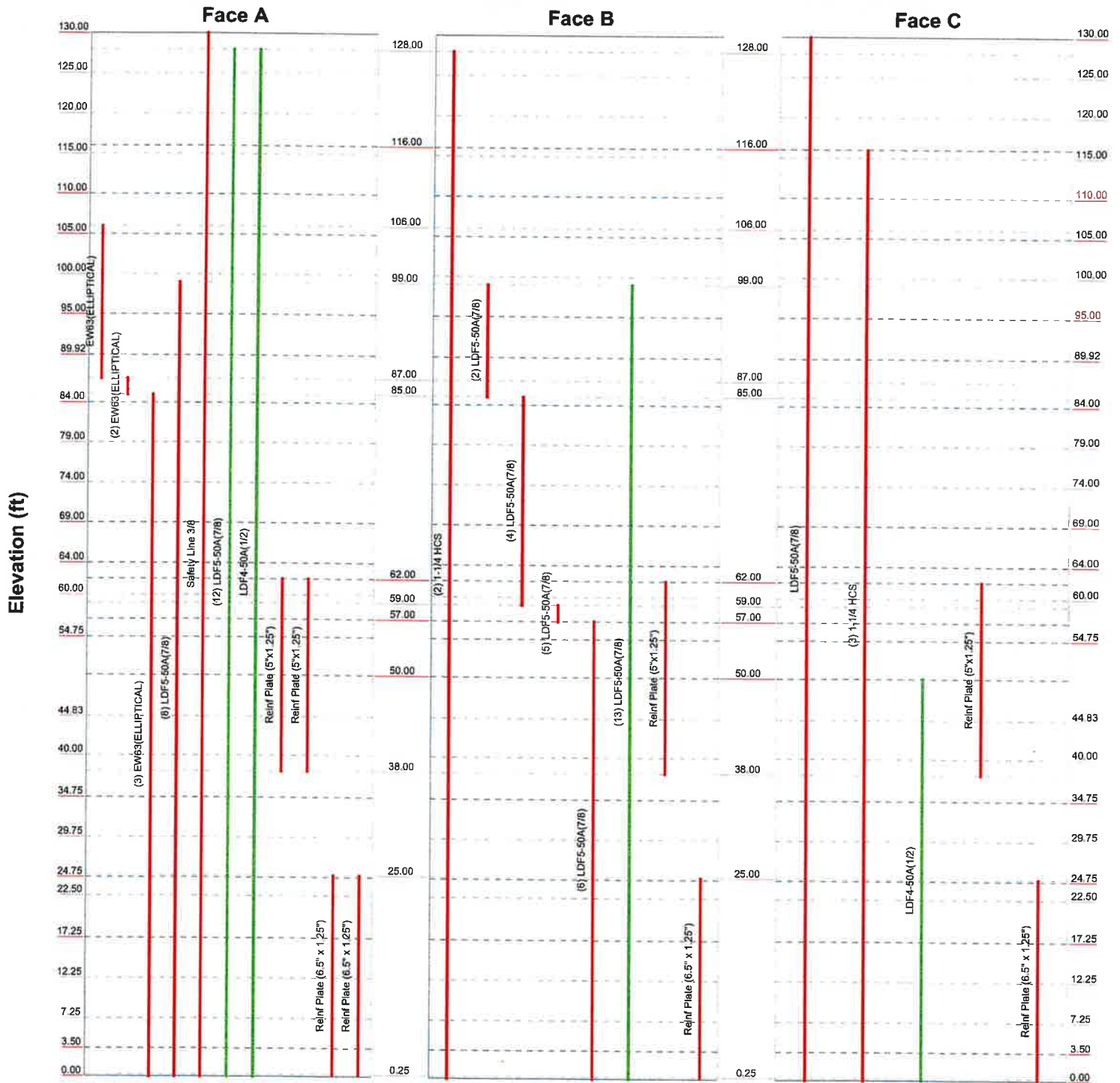
TIA-222-H - Service - 60 mph

Maximum Values



Feed Line Distribution Chart 0' - 130'

Round Flat App In Face App Out Face Truss Leg



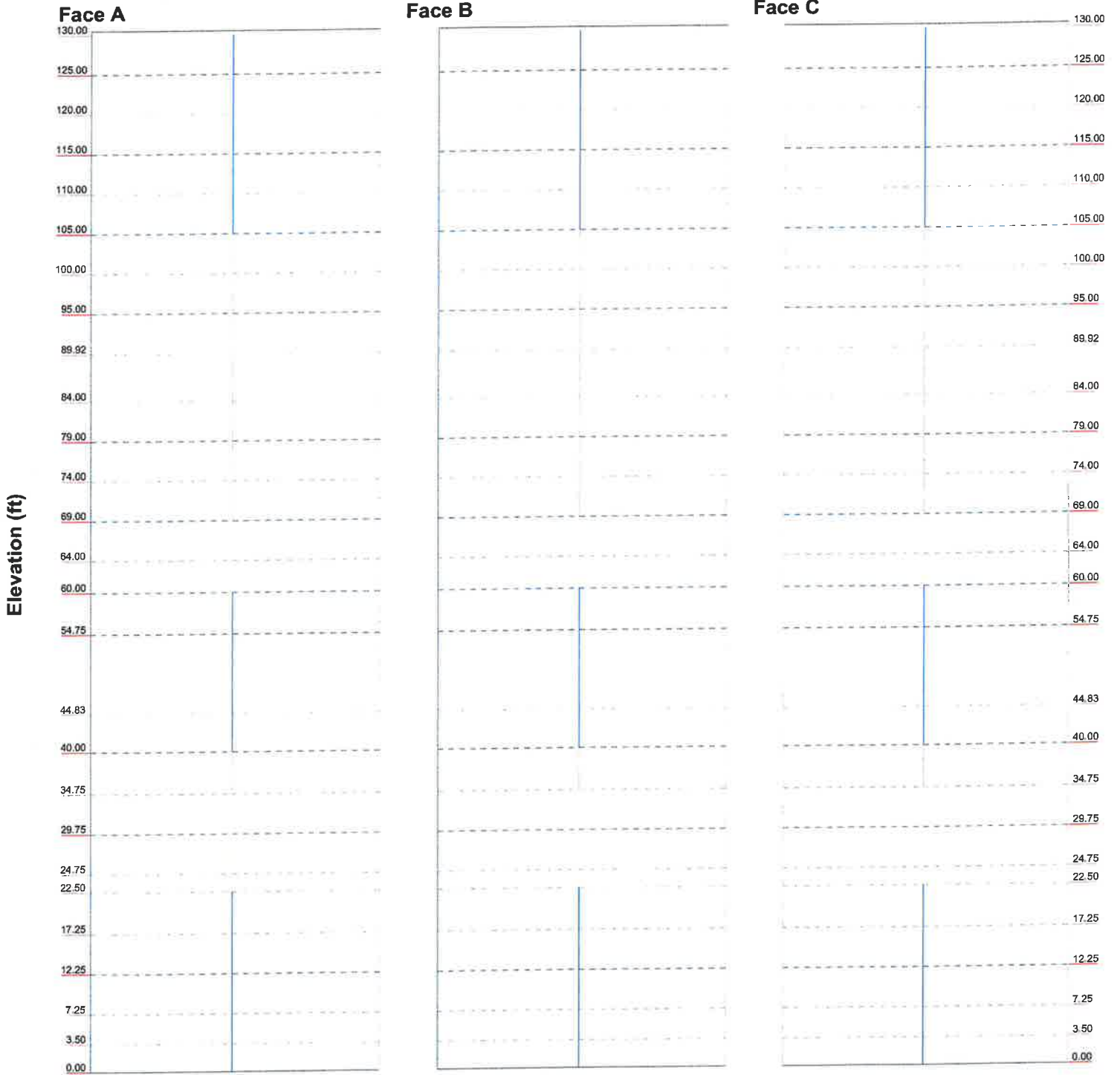
Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
Phone: (781) 713-4725
FAX:

Job: Ridgefield CT		
Project: 23CLVZ-0004		
Client: Verizon Wireless	Drawn by: jboegel	App'd:
Code: TIA-222-H	Date: 09/19/23	Scale: NTS
Path:		Dwg No. E-7

Stress Distribution Chart

0' - 130'

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



Centerline Engineering Services, PA

750 W Center St, Suite 301
West Bridgewater, MA 02379
Phone: (781) 713-4725
FAX:

Job: Ridgefield CT

Project: 23CLVZ-0004

Client: Verizon Wireless

Drawn by: jboegel

App'd:

Code: TIA-222-H

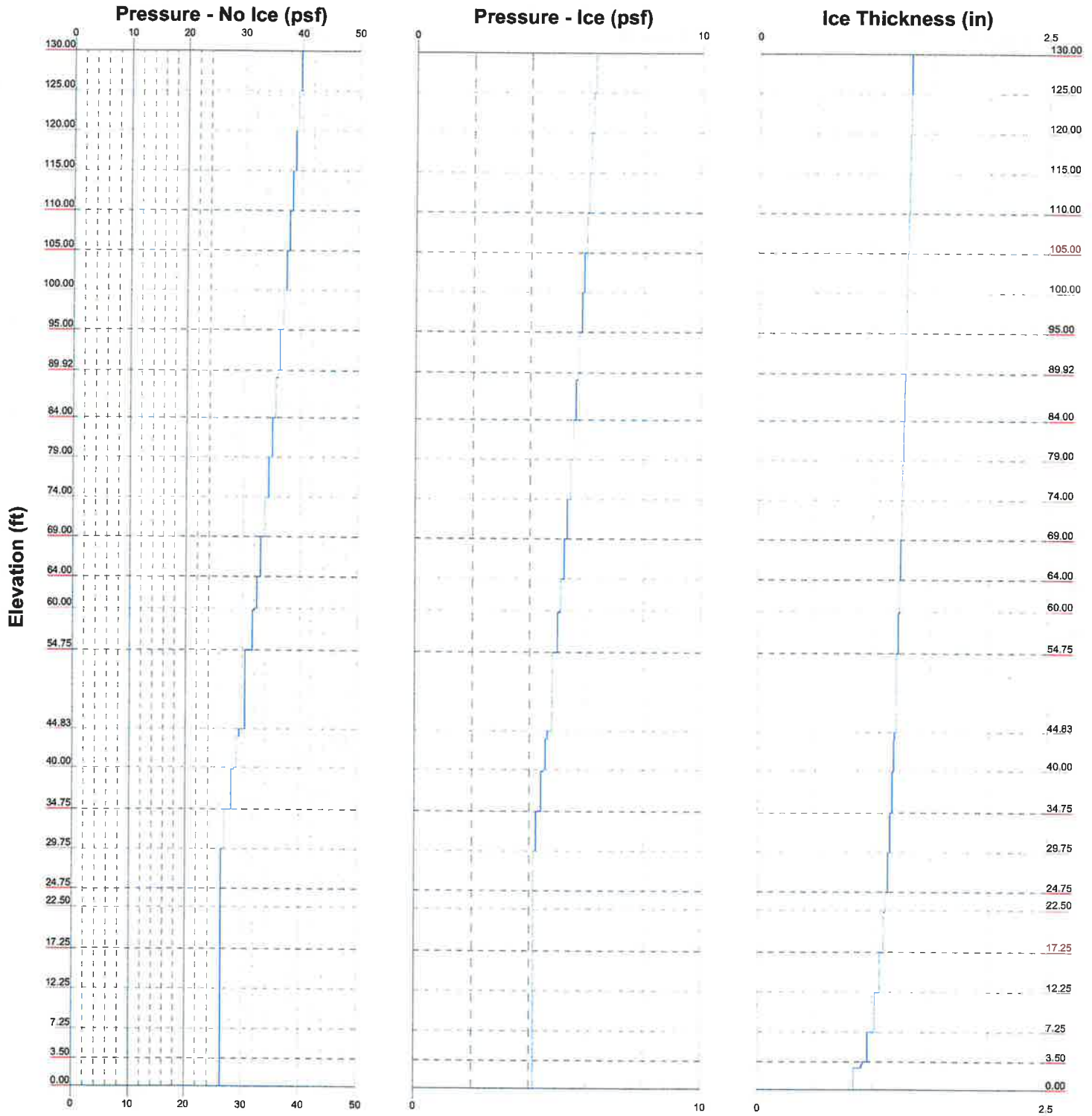
Date: 09/19/23

Scale: NTS

Path:

Dwg No. E-8

Wind Pressures and Ice Thickness
TIA-222-H - 126 mph/50 mph 1.0000 in Ice Exposure B



tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page 1 of 38
	Project	23CLVZ-0004	Date 09:11:47 09/19/23
	Client	Verizon Wireless	Designed by jboegel

Tower Input Data

The tower is a monopole.

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: 746.44 ft.

Basic wind speed of 126 mph.

Risk Category III.

Exposure Category B.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.0000 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 pole design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used: $K_{es}(F_w) = 1.0$, $K_{es}(t_i) = 1.0$.

Maximum demand-capacity ratio is: 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	✓ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	✓ Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
✓ Use Code Stress Ratios	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
✓ Use Code Safety Factors - Guys	Retension Guys To Initial Tension	Offset Girt At Foundation
Escalate Ice	✓ Bypass Mast Stability Checks	✓ Consider Feed Line Torque
Always Use Max Kz	✓ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Use Special Wind Profile	✓ Project Wind Area of Appurt.	Use TIA-222-H Bracing Resist. Exemption
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Use TIA-222-H Tension Splice Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Poles
Secondary Horizontal Braces Leg	✓ Sort Capacity Reports By Component	✓ Include Shear-Torsion Interaction
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Always Use Sub-Critical Flow
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Use Top Mounted Sockets
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole Without Linear Attachments
		Pole With Shroud Or No Appurtenances
		Outside and Inside Corner Radii Are
		Known

Tapered Pole Section Geometry

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	2 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	130.00-125.00	5.00	0.00	12	16.2600	17.3603	0.2200	0.8800	A572-65 (65 ksi)
L2	125.00-120.00	5.00	0.00	12	17.3603	18.4606	0.2200	0.8800	A572-65 (65 ksi)
L3	120.00-115.00	5.00	0.00	12	18.4606	19.5609	0.2200	0.8800	A572-65 (65 ksi)
L4	115.00-110.00	5.00	0.00	12	19.5609	20.6612	0.2200	0.8800	A572-65 (65 ksi)
L5	110.00-105.00	5.00	0.00	12	20.6612	21.7615	0.2200	0.8800	A572-65 (65 ksi)
L6	105.00-100.00	5.00	0.00	12	21.7615	22.8618	0.2200	0.8800	A572-65 (65 ksi)
L7	100.00-95.00	5.00	0.00	12	22.8618	23.9621	0.2200	0.8800	A572-65 (65 ksi)
L8	95.00-89.92	5.08	4.08	12	23.9621	25.0800	0.2200	0.8800	A572-65 (65 ksi)
L9	89.92-89.00	5.00	0.00	12	23.7422	24.8422	0.3100	1.2400	A572-65 (65 ksi)
L10	89.00-84.00	5.00	0.00	12	24.8422	25.9422	0.3100	1.2400	A572-65 (65 ksi)
L11	84.00-79.00	5.00	0.00	12	25.9422	27.0423	0.3100	1.2400	A572-65 (65 ksi)
L12	79.00-74.00	5.00	0.00	12	27.0423	28.1423	0.3100	1.2400	A572-65 (65 ksi)
L13	74.00-69.00	5.00	0.00	12	28.1423	29.2424	0.3100	1.2400	A572-65 (65 ksi)
L14	69.00-64.00	5.00	0.00	12	29.2424	30.3424	0.3100	1.2400	A572-65 (65 ksi)
L15	64.00-60.00	4.00	0.00	12	30.3424	31.2225	0.3100	1.2400	A572-65 (65 ksi)
L16	60.00-59.75	0.25	0.00	12	31.2225	31.2775	0.5975	2.3900	A572-65 (65 ksi)
L17	59.75-54.75	5.00	0.00	12	31.2775	32.3775	0.5850	2.3400	A572-65 (65 ksi)
L18	54.75-44.83	9.92	5.17	12	32.3775	34.5600	0.5725	2.2900	A572-65 (65 ksi)
L19	44.83-43.83	6.17	0.00	12	32.8026	34.1596	0.6425	2.5700	A572-65 (65 ksi)
L20	43.83-40.00	3.83	0.00	12	34.1596	35.0020	0.6300	2.5200	A572-65 (65 ksi)
L21	40.00-39.75	0.25	0.00	12	35.0020	35.0570	0.3800	1.5200	A572-65 (65 ksi)
L22	39.75-34.75	5.00	0.00	12	35.0570	36.1568	0.3800	1.5200	A572-65 (65 ksi)
L23	34.75-29.75	5.00	0.00	12	36.1568	37.2565	0.3800	1.5200	A572-65 (65 ksi)
L24	29.75-24.75	5.00	0.00	12	37.2565	38.3563	0.3800	1.5200	A572-65 (65 ksi)
L25	24.75-22.50	2.25	0.00	12	38.3563	38.8511	0.3800	1.5200	A572-65 (65 ksi)
L26	22.50-22.25	0.25	0.00	12	38.8511	38.9061	0.6800	2.7200	A572-65 (65 ksi)
L27	22.25-17.25	5.00	0.00	12	38.9061	40.0059	0.6675	2.6700	A572-65 (65 ksi)
L28	17.25-12.25	5.00	0.00	12	40.0059	41.1056	0.6550	2.6200	A572-65 (65 ksi)
L29	12.25-7.25	5.00	0.00	12	41.1056	42.2054	0.6550	2.6200	A572-65 (65 ksi)
L30	7.25-3.50	3.75	0.00	12	42.2054	43.0302	0.6425	2.5700	A572-65 (65 ksi)
L31	3.50-3.25	0.25	0.00	12	43.0302	43.0852	0.6425	2.5700	A572-65

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	3 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade (65 ksi)
L32	3.25-3.00	0.25	0.00	12	43.0852	43.1402	0.8800	3.5200	A572-65 (65 ksi)
L33	3.00-2.75	0.25	0.00	12	43.1402	43.1951	0.6175	2.4700	A572-65 (65 ksi)
L34	2.75-0.00	2.75		12	43.1951	43.8000	0.6175	2.4700	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L1	16.7560	11.3627	373.1450	5.7423	8.4227	44.3024	756.0929	5.5924	3.7681	17.128
	17.8951	12.1422	455.3231	6.1362	8.9926	50.6329	922.6080	5.9760	4.0630	18.468
L2	17.8951	12.1422	455.3231	6.1362	8.9926	50.6329	922.6080	5.9760	4.0630	18.468
	19.0342	12.9216	548.7592	6.5301	9.5626	57.3860	1111.9349	6.3596	4.3578	19.808
L3	19.0342	12.9216	548.7592	6.5301	9.5626	57.3860	1111.9349	6.3596	4.3578	19.808
	20.1733	13.7011	654.1757	6.9240	10.1325	64.5618	1325.5373	6.7433	4.6527	21.149
L4	20.1733	13.7011	654.1757	6.9240	10.1325	64.5618	1325.5373	6.7433	4.6527	21.149
	21.3124	14.4805	772.2956	7.3179	10.7025	72.1603	1564.8802	7.1269	4.9476	22.489
L5	21.3124	14.4805	772.2956	7.3179	10.7025	72.1603	1564.8802	7.1269	4.9476	22.489
	22.4516	15.2600	903.8412	7.7119	11.2725	80.1814	1831.4274	7.5105	5.2425	23.829
L6	22.4516	15.2600	903.8412	7.7119	11.2725	80.1814	1831.4274	7.5105	5.2425	23.829
	23.5907	16.0394	1049.5355	8.1058	11.8424	88.6252	2126.6434	7.8941	5.5374	25.17
L7	23.5907	16.0394	1049.5355	8.1058	11.8424	88.6252	2126.6434	7.8941	5.5374	25.17
	24.7298	16.8189	1210.1011	8.4997	12.4124	97.4916	2451.9930	8.2778	5.8322	26.51
L8	24.7298	16.8189	1210.1011	8.4997	12.4124	97.4916	2451.9930	8.2778	5.8322	26.51
	25.8871	17.6108	1389.2099	8.8999	12.9914	106.9327	2814.9159	8.6675	6.1318	27.872
L9	25.8871	17.6108	1389.2099	8.8999	12.9914	106.9327	2814.9159	8.6675	6.1318	27.872
	26.7480	18.4101	1581.1051	9.3725	13.5714	117.2878	3321.5272	9.0611	6.4165	29.247
L10	26.7480	18.4101	1581.1051	9.3725	13.5714	117.2878	3321.5272	9.0611	6.4165	29.247
	27.7869	19.2216	1792.2956	9.9240	14.1514	127.6434	3928.1427	9.4561	6.7113	30.622
L11	27.7869	19.2216	1792.2956	9.9240	14.1514	127.6434	3928.1427	9.4561	6.7113	30.622
	28.8258	20.0394	2022.2956	10.5000	14.7314	138.0000	4635.7500	9.8511	7.0062	32.000
L12	28.8258	20.0394	2022.2956	10.5000	14.7314	138.0000	4635.7500	9.8511	7.0062	32.000
	29.8647	20.8571	2272.2956	11.0429	15.3114	148.3571	5443.3571	10.2461	7.3010	33.375
L13	29.8647	20.8571	2272.2956	11.0429	15.3114	148.3571	5443.3571	10.2461	7.3010	33.375
	30.9036	21.6750	2542.2956	11.5857	15.8914	158.7143	6350.9643	10.6411	7.5960	34.750
L14	30.9036	21.6750	2542.2956	11.5857	15.8914	158.7143	6350.9643	10.6411	7.5960	34.750
	31.9425	22.4929	2832.2956	12.1286	16.4714	169.0714	7358.5714	11.0361	7.8910	36.125
L15	31.9425	22.4929	2832.2956	12.1286	16.4714	169.0714	7358.5714	11.0361	7.8910	36.125
	32.9814	23.3107	3142.2956	12.6714	17.0514	179.4286	8466.1786	11.4311	8.1860	37.500
L16	32.9814	23.3107	3142.2956	12.6714	17.0514	179.4286	8466.1786	11.4311	8.1860	37.500
	34.0203	24.1286	3472.2956	13.2143	17.6314	189.7857	9673.7857	11.8261	8.4810	38.875
L17	34.0203	24.1286	3472.2956	13.2143	17.6314	189.7857	9673.7857	11.8261	8.4810	38.875
	35.0592	24.9464	3822.2956	13.7571	18.2114	199.1429	10881.3929	12.2211	8.7760	40.250
L18	35.0592	24.9464	3822.2956	13.7571	18.2114	199.1429	10881.3929	12.2211	8.7760	40.250
	36.0981	25.7643	4192.2956	14.2999	18.7914	208.5000	12189.0000	12.6161	9.0710	41.625
L19	36.0981	25.7643	4192.2956	14.2999	18.7914	208.5000	12189.0000	12.6161	9.0710	41.625
	37.1370	26.5821	4582.2956	14.8429	19.3714	217.8571	13496.6071	13.0111	9.3660	43.000
L20	37.1370	26.5821	4582.2956	14.8429	19.3714	217.8571	13496.6071	13.0111	9.3660	43.000
	38.1759	27.4000	5002.2956	15.3857	19.9514	227.2143	14804.2143	13.4061	9.6610	44.375
L21	38.1759	27.4000	5002.2956	15.3857	19.9514	227.2143	14804.2143	13.4061	9.6610	44.375
	39.2148	28.2179	5442.2956	15.9286	20.5314	236.5714	16111.8214	13.8011	9.9560	45.750
L22	39.2148	28.2179	5442.2956	15.9286	20.5314	236.5714	16111.8214	13.8011	9.9560	45.750

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	4 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L23	37.2982	43.7765	7152.0244	12.8081	18.7292	381.8647	14491.9405	21.5454	8.6716	22.82
	38.4367	45.1221	7832.0450	13.2018	19.2989	405.8291	15869.8466	22.2077	8.9663	23.596
L24	38.4367	45.1221	7832.0450	13.2018	19.2989	405.8291	15869.8466	22.2077	8.9663	23.596
	39.5753	46.4678	8553.8599	13.5955	19.8685	430.5227	17332.4392	22.8700	9.2611	24.371
L25	39.5753	46.4678	8553.8599	13.5955	19.8685	430.5227	17332.4392	22.8700	9.2611	24.371
	40.0876	47.0733	8892.6437	13.7727	20.1249	441.8728	18018.9070	23.1680	9.3937	24.72
L26	39.9818	83.5795	15543.7726	13.6653	20.1249	772.3654	31495.8974	41.1353	8.5897	12.632
	40.0387	83.6999	15611.0436	13.6850	20.1534	774.6117	31632.2067	41.1946	8.6044	12.654
L27	40.0431	82.1882	15339.1138	13.6894	20.1534	761.1187	31081.2031	40.4505	8.6379	12.941
	41.1817	84.5519	16701.0024	14.0831	20.7230	805.9144	33840.7587	41.6139	8.9327	13.382
L28	41.1861	82.9949	16403.8769	14.0876	20.7230	791.5765	33238.7019	40.8476	8.9662	13.689
	42.3246	85.3144	17817.9962	14.4813	21.2927	836.8119	36104.0911	41.9892	9.2609	14.139
L29	42.3246	85.3144	17817.9962	14.4813	21.2927	836.8119	36104.0911	41.9892	9.2609	14.139
	43.4632	87.6339	19311.1354	14.8750	21.8624	883.3043	39129.5958	43.1307	9.5556	14.589
L30	43.4676	85.9873	18959.7035	14.8795	21.8624	867.2296	38417.4994	42.3204	9.5891	14.925
	44.3215	87.6937	20111.0092	15.1748	22.2896	902.2584	40750.3570	43.1602	9.8102	15.269
L31	44.3215	87.6937	20111.0092	15.1748	22.2896	902.2584	40750.3570	43.1602	9.8102	15.269
	44.3784	87.8075	20189.3772	15.1945	22.3181	904.6183	40909.1518	43.2162	9.8249	15.292
L32	44.2946	119.5926	27190.7591	15.1094	22.3181	1218.3268	55095.8497	58.8598	9.1884	10.441
	44.3515	119.7484	27297.1741	15.1291	22.3466	1221.5359	55311.4753	58.9365	9.2032	10.458
L33	44.4441	84.5499	19513.7098	15.2231	22.3466	873.2295	39540.0664	41.6129	9.9067	16.043
	44.5011	84.6593	19589.5085	15.2428	22.3751	875.5055	39693.6553	41.6667	9.9214	16.067
L34	44.5011	84.6593	19589.5085	15.2428	22.3751	875.5055	39693.6553	41.6667	9.9214	16.067
	45.1273	85.8619	20436.2934	15.4593	22.6884	900.7375	41409.4710	42.2586	10.0835	16.33

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft ²	in					in	in	in
L1				1	1	1			
130.00-125.00				1	1	1			
L2				1	1	1			
125.00-120.00				1	1	1			
L3				1	1	1			
120.00-115.00				1	1	1			
L4				1	1	1			
115.00-110.00				1	1	1			
L5				1	1	1			
110.00-105.00				1	1	1			
L6				1	1	1			
105.00-100.00				1	1	1			
L7				1	1	1			
100.00-95.00				1	1	1			
L8 95.00-89.92				1	1	1			
L9 89.92-89.00				1	1	1			
L10				1	1	1			
89.00-84.00				1	1	1			
L11				1	1	1			
84.00-79.00				1	1	1			
L12				1	1	1			
79.00-74.00				1	1	1			
L13				1	1	1			
74.00-69.00				1	1	1			
L14				1	1	1			
69.00-64.00				1	1	1			
L15				1	1	1			
64.00-60.00				1	1	0.947835			
L16				1	1	0.952546			
60.00-59.75				1	1	0.952546			
L17				1	1	0.952546			

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	7 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R	A_F	$C_A A_A$ In Face	$C_A A_A$ Out Face	Weight
			ft ²	ft ²	ft ²	ft ²	K
L1	130.00-125.00	A	0.000	0.000	0.188	0.000	0.01
		B	0.000	0.000	0.924	0.000	0.01
		C	0.000	0.000	0.545	0.000	0.00
L2	125.00-120.00	A	0.000	0.000	0.188	0.000	0.02
		B	0.000	0.000	1.540	0.000	0.02
		C	0.000	0.000	0.545	0.000	0.00
L3	120.00-115.00	A	0.000	0.000	0.188	0.000	0.02
		B	0.000	0.000	1.540	0.000	0.02
		C	0.000	0.000	1.007	0.000	0.01
L4	115.00-110.00	A	0.000	0.000	0.188	0.000	0.02
		B	0.000	0.000	1.540	0.000	0.02
		C	0.000	0.000	2.855	0.000	0.03
L5	110.00-105.00	A	0.000	0.000	0.389	0.000	0.02
		B	0.000	0.000	1.540	0.000	0.02
		C	0.000	0.000	2.855	0.000	0.03
L6	105.00-100.00	A	0.000	0.000	1.192	0.000	0.02
		B	0.000	0.000	1.540	0.000	0.02
		C	0.000	0.000	2.855	0.000	0.03
L7	100.00-95.00	A	0.000	0.000	2.937	0.000	0.03
		B	0.000	0.000	2.412	0.000	0.04
		C	0.000	0.000	2.855	0.000	0.03
L8	95.00-89.92	A	0.000	0.000	3.426	0.000	0.04
		B	0.000	0.000	2.672	0.000	0.04
		C	0.000	0.000	2.901	0.000	0.03
L9	89.92-89.00	A	0.000	0.000	0.621	0.000	0.01
		B	0.000	0.000	0.484	0.000	0.01
		C	0.000	0.000	0.525	0.000	0.00
L10	89.00-84.00	A	0.000	0.000	4.176	0.000	0.04
		B	0.000	0.000	2.848	0.000	0.04
		C	0.000	0.000	2.855	0.000	0.03
L11	84.00-79.00	A	0.000	0.000	5.383	0.000	0.04
		B	0.000	0.000	3.720	0.000	0.05
		C	0.000	0.000	2.855	0.000	0.03
L12	79.00-74.00	A	0.000	0.000	5.383	0.000	0.04
		B	0.000	0.000	3.720	0.000	0.05
		C	0.000	0.000	2.855	0.000	0.03
L13	74.00-69.00	A	0.000	0.000	5.383	0.000	0.04
		B	0.000	0.000	3.720	0.000	0.05
		C	0.000	0.000	2.855	0.000	0.03
L14	69.00-64.00	A	0.000	0.000	5.383	0.000	0.04
		B	0.000	0.000	3.720	0.000	0.05
		C	0.000	0.000	2.855	0.000	0.03
L15	64.00-60.00	A	0.000	0.000	5.139	0.000	0.03
		B	0.000	0.000	3.393	0.000	0.04
		C	0.000	0.000	2.701	0.000	0.02
L16	60.00-59.75	A	0.000	0.000	0.373	0.000	0.00
		B	0.000	0.000	0.238	0.000	0.00
		C	0.000	0.000	0.195	0.000	0.00
L17	59.75-54.75	A	0.000	0.000	7.466	0.000	0.04
		B	0.000	0.000	5.470	0.000	0.05
		C	0.000	0.000	3.897	0.000	0.03
L18	54.75-44.83	A	0.000	0.000	14.812	0.000	0.08
		B	0.000	0.000	11.610	0.000	0.10
		C	0.000	0.000	7.731	0.000	0.05
L19	44.83-43.83	A	0.000	0.000	1.493	0.000	0.01
		B	0.000	0.000	1.170	0.000	0.01

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	8 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L20	43.83-40.00	C	0.000	0.000	0.779	0.000	0.01
		A	0.000	0.000	5.719	0.000	0.03
		B	0.000	0.000	4.482	0.000	0.04
L21	40.00-39.75	C	0.000	0.000	2.985	0.000	0.02
		A	0.000	0.000	0.373	0.000	0.00
		B	0.000	0.000	0.293	0.000	0.00
L22	39.75-34.75	C	0.000	0.000	0.195	0.000	0.00
		A	0.000	0.000	6.112	0.000	0.04
		B	0.000	0.000	5.175	0.000	0.05
L23	34.75-29.75	C	0.000	0.000	3.220	0.000	0.03
		A	0.000	0.000	5.383	0.000	0.04
		B	0.000	0.000	4.810	0.000	0.05
L24	29.75-24.75	C	0.000	0.000	2.855	0.000	0.03
		A	0.000	0.000	5.487	0.000	0.04
		B	0.000	0.000	4.862	0.000	0.05
L25	24.75-22.50	C	0.000	0.000	2.907	0.000	0.03
		A	0.000	0.000	3.360	0.000	0.02
		B	0.000	0.000	2.633	0.000	0.02
L26	22.50-22.25	C	0.000	0.000	1.754	0.000	0.01
		A	0.000	0.000	0.373	0.000	0.00
		B	0.000	0.000	0.293	0.000	0.00
L27	22.25-17.25	C	0.000	0.000	0.195	0.000	0.00
		A	0.000	0.000	7.466	0.000	0.04
		B	0.000	0.000	5.852	0.000	0.05
L28	17.25-12.25	C	0.000	0.000	3.897	0.000	0.03
		A	0.000	0.000	7.466	0.000	0.04
		B	0.000	0.000	5.852	0.000	0.05
L29	12.25-7.25	C	0.000	0.000	3.897	0.000	0.03
		A	0.000	0.000	7.466	0.000	0.04
		B	0.000	0.000	5.852	0.000	0.05
L30	7.25-3.50	C	0.000	0.000	3.897	0.000	0.03
		A	0.000	0.000	5.599	0.000	0.03
		B	0.000	0.000	4.389	0.000	0.04
L31	3.50-3.25	C	0.000	0.000	2.922	0.000	0.02
		A	0.000	0.000	0.373	0.000	0.00
		B	0.000	0.000	0.293	0.000	0.00
L32	3.25-3.00	C	0.000	0.000	0.195	0.000	0.00
		A	0.000	0.000	0.373	0.000	0.00
		B	0.000	0.000	0.293	0.000	0.00
L33	3.00-2.75	C	0.000	0.000	0.195	0.000	0.00
		A	0.000	0.000	0.373	0.000	0.00
		B	0.000	0.000	0.293	0.000	0.00
L34	2.75-0.00	C	0.000	0.000	0.195	0.000	0.00
		A	0.000	0.000	4.002	0.000	0.02
		B	0.000	0.000	3.166	0.000	0.03
		C	0.000	0.000	2.091	0.000	0.02

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	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	130.00-125.00	A	1.316	0.000	0.000	1.504	0.000	0.03
		B		0.000	0.000	2.142	0.000	0.03
		C		0.000	0.000	1.861	0.000	0.02
L2	125.00-120.00	A	1.311	0.000	0.000	1.499	0.000	0.04
		B		0.000	0.000	3.564	0.000	0.05
		C		0.000	0.000	1.856	0.000	0.02

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	9 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

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 K
L3	120.00-115.00	A	1.306	0.000	0.000	1.493	0.000	0.04
		B		0.000	0.000	3.557	0.000	0.05
		C		0.000	0.000	2.755	0.000	0.03
L4	115.00-110.00	A	1.300	0.000	0.000	1.488	0.000	0.03
		B		0.000	0.000	3.550	0.000	0.05
		C		0.000	0.000	6.358	0.000	0.09
L5	110.00-105.00	A	1.294	0.000	0.000	1.941	0.000	0.04
		B		0.000	0.000	3.543	0.000	0.05
		C		0.000	0.000	6.344	0.000	0.09
L6	105.00-100.00	A	1.288	0.000	0.000	3.768	0.000	0.06
		B		0.000	0.000	3.535	0.000	0.05
		C		0.000	0.000	6.330	0.000	0.09
L7	100.00-95.00	A	1.282	0.000	0.000	7.217	0.000	0.11
		B		0.000	0.000	5.899	0.000	0.09
		C		0.000	0.000	6.316	0.000	0.09
L8	95.00-89.92	A	1.275	0.000	0.000	8.189	0.000	0.13
		B		0.000	0.000	6.578	0.000	0.10
		C		0.000	0.000	6.402	0.000	0.09
L9	89.92-89.00	A	1.271	0.000	0.000	1.483	0.000	0.02
		B		0.000	0.000	1.191	0.000	0.02
		C		0.000	0.000	1.159	0.000	0.02
L10	89.00-84.00	A	1.266	0.000	0.000	9.379	0.000	0.14
		B		0.000	0.000	6.726	0.000	0.10
		C		0.000	0.000	6.282	0.000	0.08
L11	84.00-79.00	A	1.259	0.000	0.000	11.087	0.000	0.15
		B		0.000	0.000	7.797	0.000	0.11
		C		0.000	0.000	6.265	0.000	0.08
L12	79.00-74.00	A	1.251	0.000	0.000	11.059	0.000	0.15
		B		0.000	0.000	7.777	0.000	0.11
		C		0.000	0.000	6.247	0.000	0.08
L13	74.00-69.00	A	1.242	0.000	0.000	11.030	0.000	0.15
		B		0.000	0.000	7.756	0.000	0.11
		C		0.000	0.000	6.228	0.000	0.08
L14	69.00-64.00	A	1.233	0.000	0.000	10.998	0.000	0.15
		B		0.000	0.000	7.734	0.000	0.11
		C		0.000	0.000	6.208	0.000	0.08
L15	64.00-60.00	A	1.225	0.000	0.000	10.588	0.000	0.15
		B		0.000	0.000	7.076	0.000	0.10
		C		0.000	0.000	5.857	0.000	0.08
L16	60.00-59.75	A	1.221	0.000	0.000	0.774	0.000	0.01
		B		0.000	0.000	0.498	0.000	0.01
		C		0.000	0.000	0.422	0.000	0.01
L17	59.75-54.75	A	1.215	0.000	0.000	15.448	0.000	0.23
		B		0.000	0.000	10.830	0.000	0.16
		C		0.000	0.000	8.423	0.000	0.12
L18	54.75-44.83	A	1.198	0.000	0.000	30.463	0.000	0.45
		B		0.000	0.000	22.315	0.000	0.32
		C		0.000	0.000	16.602	0.000	0.24
L19	44.83-43.83	A	1.184	0.000	0.000	3.071	0.000	0.05
		B		0.000	0.000	2.250	0.000	0.03
		C		0.000	0.000	1.674	0.000	0.02
L20	43.83-40.00	A	1.178	0.000	0.000	11.676	0.000	0.17
		B		0.000	0.000	8.561	0.000	0.12
		C		0.000	0.000	6.359	0.000	0.09
L21	40.00-39.75	A	1.172	0.000	0.000	0.761	0.000	0.01
		B		0.000	0.000	0.558	0.000	0.01
		C		0.000	0.000	0.414	0.000	0.01
L22	39.75-34.75	A	1.164	0.000	0.000	12.299	0.000	0.17
		B		0.000	0.000	9.694	0.000	0.13
		C		0.000	0.000	6.823	0.000	0.09
L23	34.75-29.75	A	1.147	0.000	0.000	10.697	0.000	0.14

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	10 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
		B		0.000	0.000	8.881	0.000	0.12
		C		0.000	0.000	6.014	0.000	0.08
L24	29.75-24.75	A	1.128	0.000	0.000	10.847	0.000	0.14
		B		0.000	0.000	8.941	0.000	0.12
		C		0.000	0.000	6.079	0.000	0.08
L25	24.75-22.50	A	1.112	0.000	0.000	6.697	0.000	0.10
		B		0.000	0.000	4.926	0.000	0.07
		C		0.000	0.000	3.640	0.000	0.05
L26	22.50-22.25	A	1.106	0.000	0.000	0.742	0.000	0.01
		B		0.000	0.000	0.546	0.000	0.01
		C		0.000	0.000	0.403	0.000	0.01
L27	22.25-17.25	A	1.092	0.000	0.000	14.773	0.000	0.22
		B		0.000	0.000	10.878	0.000	0.16
		C		0.000	0.000	8.024	0.000	0.12
L28	17.25-12.25	A	1.061	0.000	0.000	14.600	0.000	0.21
		B		0.000	0.000	10.767	0.000	0.15
		C		0.000	0.000	7.922	0.000	0.11
L29	12.25-7.25	A	1.018	0.000	0.000	14.363	0.000	0.21
		B		0.000	0.000	10.617	0.000	0.15
		C		0.000	0.000	7.782	0.000	0.11
L30	7.25-3.50	A	0.959	0.000	0.000	10.529	0.000	0.15
		B		0.000	0.000	7.808	0.000	0.11
		C		0.000	0.000	5.693	0.000	0.08
L31	3.50-3.25	A	0.916	0.000	0.000	0.690	0.000	0.01
		B		0.000	0.000	0.513	0.000	0.01
		C		0.000	0.000	0.372	0.000	0.00
L32	3.25-3.00	A	0.909	0.000	0.000	0.688	0.000	0.01
		B		0.000	0.000	0.512	0.000	0.01
		C		0.000	0.000	0.371	0.000	0.00
L33	3.00-2.75	A	0.901	0.000	0.000	0.686	0.000	0.01
		B		0.000	0.000	0.510	0.000	0.01
		C		0.000	0.000	0.370	0.000	0.00
L34	2.75-0.00	A	0.837	0.000	0.000	7.164	0.000	0.09
		B		0.000	0.000	5.397	0.000	0.07
		C		0.000	0.000	3.862	0.000	0.05

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
L1	130.00-125.00	0.8978	0.8411	1.0394	0.7488
L2	125.00-120.00	1.3927	1.0711	1.5392	0.9803
L3	120.00-115.00	1.5745	1.4335	1.6939	1.3137
L4	115.00-110.00	2.1385	2.5859	2.0773	2.2688
L5	110.00-105.00	1.9766	2.6576	1.9355	2.3750
L6	105.00-100.00	1.2907	2.8175	1.2321	2.5854
L7	100.00-95.00	0.7918	1.3728	0.8847	1.0965
L8	95.00-89.92	0.7002	1.0907	0.8430	0.8431
L9	89.92-89.00	0.7047	1.0971	0.8488	0.8486
L10	89.00-84.00	0.3175	1.2424	0.5246	0.9417
L11	84.00-79.00	0.1196	1.3195	0.3493	1.0127
L12	79.00-74.00	0.1253	1.3455	0.3609	1.0419
L13	74.00-69.00	0.1307	1.3705	0.3721	1.0705
L14	69.00-64.00	0.1360	1.3945	0.3829	1.0984
L15	64.00-60.00	0.3850	1.3095	0.6612	1.2018
L16	60.00-59.75	0.6151	1.3738	0.8982	1.2820

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	11 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L17	59.75-54.75	0.9492	1.2650	1.1172	1.2225
L18	54.75-44.83	1.1477	1.2326	1.2709	1.2261
L19	44.83-43.83	1.1585	1.2434	1.2881	1.2419
L20	43.83-40.00	1.1678	1.2525	1.3005	1.2547
L21	40.00-39.75	1.1741	1.2587	1.3116	1.2653
L22	39.75-34.75	0.9524	1.2180	1.0265	1.1640
L23	34.75-29.75	0.8682	1.2782	0.8612	1.1154
L24	29.75-24.75	0.9097	1.3044	0.9074	1.1473
L25	24.75-22.50	1.2326	1.3122	1.4003	1.3464
L26	22.50-22.25	1.2386	1.3183	1.4077	1.3538
L27	22.25-17.25	1.2474	1.3270	1.4205	1.3668
L28	17.25-12.25	1.2638	1.3433	1.4435	1.3907
L29	12.25-7.25	1.2798	1.3591	1.4636	1.4131
L30	7.25-3.50	1.2933	1.3726	1.4764	1.4302
L31	3.50-3.25	1.2994	1.3786	1.4787	1.4365
L32	3.25-3.00	1.3015	1.3809	1.4796	1.4380
L33	3.00-2.75	1.3008	1.3800	1.4784	1.4376
L34	2.75-0.00	1.2651	1.3685	1.4300	1.4218

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L1	1	LDF5-50A(7/8)	125.00 - 130.00	1.0000	1.0000
L1	3	1-1/4 HCS	125.00 - 128.00	1.0000	1.0000
L1	18	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L2	1	LDF5-50A(7/8)	120.00 - 125.00	1.0000	1.0000
L2	3	1-1/4 HCS	120.00 - 125.00	1.0000	1.0000
L2	18	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L3	1	LDF5-50A(7/8)	115.00 - 120.00	1.0000	1.0000
L3	3	1-1/4 HCS	115.00 - 120.00	1.0000	1.0000
L3	5	1-1/4 HCS	115.00 - 116.00	1.0000	1.0000
L3	18	Safety Line 3/8	115.00 - 120.00	1.0000	1.0000
L4	1	LDF5-50A(7/8)	110.00 - 115.00	1.0000	1.0000
L4	3	1-1/4 HCS	110.00 - 115.00	1.0000	1.0000
L4	5	1-1/4 HCS	110.00 - 115.00	1.0000	1.0000
L4	18	Safety Line 3/8	110.00 - 115.00	1.0000	1.0000
L5	1	LDF5-50A(7/8)	105.00 -	1.0000	1.0000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	12 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L5	3	1-1/4 HCS	110.00 105.00 -	1.0000	1.0000
L5	5	1-1/4 HCS	110.00 105.00 -	1.0000	1.0000
L5	7	EW63(ELLIPTICAL)	110.00 105.00 -	1.0000	1.0000
L5	18	Safety Line 3/8	106.00 105.00 -	1.0000	1.0000
L6	1	LDF5-50A(7/8)	110.00 100.00 -	1.0000	1.0000
L6	3	1-1/4 HCS	105.00 100.00 -	1.0000	1.0000
L6	5	1-1/4 HCS	105.00 100.00 -	1.0000	1.0000
L6	7	EW63(ELLIPTICAL)	105.00 100.00 -	1.0000	1.0000
L6	18	Safety Line 3/8	105.00 100.00 -	1.0000	1.0000
L7	1	LDF5-50A(7/8)	95.00 - 100.00	1.0000	1.0000
L7	3	1-1/4 HCS	95.00 - 100.00	1.0000	1.0000
L7	5	1-1/4 HCS	95.00 - 100.00	1.0000	1.0000
L7	7	EW63(ELLIPTICAL)	95.00 - 100.00	1.0000	1.0000
L7	11	LDF5-50A(7/8)	95.00 - 99.00	1.0000	1.0000
L7	13	LDF5-50A(7/8)	95.00 - 99.00	1.0000	1.0000
L7	18	Safety Line 3/8	95.00 - 100.00	1.0000	1.0000
L8	1	LDF5-50A(7/8)	89.92 - 95.00	1.0000	1.0000
L8	3	1-1/4 HCS	89.92 - 95.00	1.0000	1.0000
L8	5	1-1/4 HCS	89.92 - 95.00	1.0000	1.0000
L8	7	EW63(ELLIPTICAL)	89.92 - 95.00	1.0000	1.0000
L8	11	LDF5-50A(7/8)	89.92 - 95.00	1.0000	1.0000
L8	13	LDF5-50A(7/8)	89.92 - 95.00	1.0000	1.0000
L8	18	Safety Line 3/8	89.92 - 95.00	1.0000	1.0000
L9	1	LDF5-50A(7/8)	89.00 - 89.92	1.0000	1.0000
L9	3	1-1/4 HCS	89.00 - 89.92	1.0000	1.0000
L9	5	1-1/4 HCS	89.00 - 89.92	1.0000	1.0000
L9	7	EW63(ELLIPTICAL)	89.00 - 89.92	1.0000	1.0000
L9	11	LDF5-50A(7/8)	89.00 - 89.92	1.0000	1.0000
L9	13	LDF5-50A(7/8)	89.00 - 89.92	1.0000	1.0000
L9	18	Safety Line 3/8	89.00 - 89.92	1.0000	1.0000
L10	1	LDF5-50A(7/8)	84.00 - 89.00	1.0000	1.0000
L10	3	1-1/4 HCS	84.00 - 89.00	1.0000	1.0000
L10	5	1-1/4 HCS	84.00 - 89.00	1.0000	1.0000
L10	7	EW63(ELLIPTICAL)	84.00 - 89.00	1.0000	1.0000
L10	8	EW63(ELLIPTICAL)	87.00 - 89.00	1.0000	1.0000
L10	9	EW63(ELLIPTICAL)	85.00 - 87.00	1.0000	1.0000
L10	11	LDF5-50A(7/8)	84.00 - 85.00	1.0000	1.0000
L10	13	LDF5-50A(7/8)	84.00 - 89.00	1.0000	1.0000
L10	14	LDF5-50A(7/8)	85.00 - 89.00	1.0000	1.0000
L10	18	Safety Line 3/8	84.00 - 85.00	1.0000	1.0000
L11	1	LDF5-50A(7/8)	84.00 - 89.00	1.0000	1.0000
L11	3	1-1/4 HCS	79.00 - 84.00	1.0000	1.0000
L11	5	1-1/4 HCS	79.00 - 84.00	1.0000	1.0000
L11	9	EW63(ELLIPTICAL)	79.00 - 84.00	1.0000	1.0000
L11	11	LDF5-50A(7/8)	79.00 - 84.00	1.0000	1.0000
L11	14	LDF5-50A(7/8)	79.00 - 84.00	1.0000	1.0000
L11	18	Safety Line 3/8	79.00 - 84.00	1.0000	1.0000
L12	1	LDF5-50A(7/8)	79.00 - 84.00	1.0000	1.0000
L12	3	1-1/4 HCS	74.00 - 79.00	1.0000	1.0000
L12	5	1-1/4 HCS	74.00 - 79.00	1.0000	1.0000
L12	9	EW63(ELLIPTICAL)	74.00 - 79.00	1.0000	1.0000
L12	11	LDF5-50A(7/8)	74.00 - 79.00	1.0000	1.0000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page 13 of 38
	Project	23CLVZ-0004	Date 09:11:47 09/19/23
	Client	Verizon Wireless	Designed by jboegel

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
L12	14	LDF5-50A(7/8)	74.00 - 79.00	1.0000	1.0000
L12	18	Safety Line 3/8	74.00 - 79.00	1.0000	1.0000
L13	1	LDF5-50A(7/8)	69.00 - 74.00	1.0000	1.0000
L13	3	1-1/4 HCS	69.00 - 74.00	1.0000	1.0000
L13	5	1-1/4 HCS	69.00 - 74.00	1.0000	1.0000
L13	9	EW63(ELLIPTICAL)	69.00 - 74.00	1.0000	1.0000
L13	11	LDF5-50A(7/8)	69.00 - 74.00	1.0000	1.0000
L13	14	LDF5-50A(7/8)	69.00 - 74.00	1.0000	1.0000
L13	18	Safety Line 3/8	69.00 - 74.00	1.0000	1.0000
L14	1	LDF5-50A(7/8)	64.00 - 69.00	1.0000	1.0000
L14	3	1-1/4 HCS	64.00 - 69.00	1.0000	1.0000
L14	5	1-1/4 HCS	64.00 - 69.00	1.0000	1.0000
L14	9	EW63(ELLIPTICAL)	64.00 - 69.00	1.0000	1.0000
L14	11	LDF5-50A(7/8)	64.00 - 69.00	1.0000	1.0000
L14	14	LDF5-50A(7/8)	64.00 - 69.00	1.0000	1.0000
L14	18	Safety Line 3/8	64.00 - 69.00	1.0000	1.0000
L15	1	LDF5-50A(7/8)	60.00 - 64.00	1.0000	1.0000
L15	3	1-1/4 HCS	60.00 - 64.00	1.0000	1.0000
L15	5	1-1/4 HCS	60.00 - 64.00	1.0000	1.0000
L15	9	EW63(ELLIPTICAL)	60.00 - 64.00	1.0000	1.0000
L15	11	LDF5-50A(7/8)	60.00 - 64.00	1.0000	1.0000
L15	14	LDF5-50A(7/8)	60.00 - 64.00	1.0000	1.0000
L15	18	Safety Line 3/8	60.00 - 64.00	1.0000	1.0000
L15	27	Reinf Plate (5"x1.25")	60.00 - 62.00	1.0000	1.0000
L15	28	Reinf Plate (5"x1.25")	60.00 - 62.00	1.0000	1.0000
L15	29	Reinf Plate (5"x1.25")	60.00 - 62.00	1.0000	1.0000
L15	30	Reinf Plate (5"x1.25")	60.00 - 62.00	1.0000	1.0000
L16	1	LDF5-50A(7/8)	59.75 - 60.00	1.0000	1.0000
L16	3	1-1/4 HCS	59.75 - 60.00	1.0000	1.0000
L16	5	1-1/4 HCS	59.75 - 60.00	1.0000	1.0000
L16	9	EW63(ELLIPTICAL)	59.75 - 60.00	1.0000	1.0000
L16	11	LDF5-50A(7/8)	59.75 - 60.00	1.0000	1.0000
L16	14	LDF5-50A(7/8)	59.75 - 60.00	1.0000	1.0000
L16	18	Safety Line 3/8	59.75 - 60.00	1.0000	1.0000
L16	27	Reinf Plate (5"x1.25")	59.75 - 60.00	1.0000	1.0000
L16	28	Reinf Plate (5"x1.25")	59.75 - 60.00	1.0000	1.0000
L16	29	Reinf Plate (5"x1.25")	59.75 - 60.00	1.0000	1.0000
L16	30	Reinf Plate (5"x1.25")	59.75 - 60.00	1.0000	1.0000
L17	1	LDF5-50A(7/8)	54.75 - 59.75	1.0000	1.0000
L17	3	1-1/4 HCS	54.75 - 59.75	1.0000	1.0000
L17	5	1-1/4 HCS	54.75 - 59.75	1.0000	1.0000
L17	9	EW63(ELLIPTICAL)	54.75 - 59.75	1.0000	1.0000
L17	11	LDF5-50A(7/8)	54.75 - 59.75	1.0000	1.0000
L17	14	LDF5-50A(7/8)	59.00 - 59.75	1.0000	1.0000
L17	15	LDF5-50A(7/8)	57.00 - 59.00	1.0000	1.0000
L17	16	LDF5-50A(7/8)	54.75 - 57.00	1.0000	1.0000
L17	18	Safety Line 3/8	54.75 - 59.75	1.0000	1.0000
L17	27	Reinf Plate (5"x1.25")	54.75 - 59.75	1.0000	1.0000
L17	28	Reinf Plate (5"x1.25")	54.75 - 59.75	1.0000	1.0000
L17	29	Reinf Plate (5"x1.25")	54.75 - 59.75	1.0000	1.0000
L17	30	Reinf Plate (5"x1.25")	54.75 - 59.75	1.0000	1.0000
L18	1	LDF5-50A(7/8)	44.83 - 54.75	1.0000	1.0000
L18	3	1-1/4 HCS	44.83 - 54.75	1.0000	1.0000
L18	5	1-1/4 HCS	44.83 - 54.75	1.0000	1.0000
L18	9	EW63(ELLIPTICAL)	44.83 - 54.75	1.0000	1.0000
L18	11	LDF5-50A(7/8)	44.83 - 54.75	1.0000	1.0000
L18	16	LDF5-50A(7/8)	44.83 - 54.75	1.0000	1.0000
L18	18	Safety Line 3/8	44.83 - 54.75	1.0000	1.0000
L18	27	Reinf Plate (5"x1.25")	44.83 - 54.75	1.0000	1.0000
L18	28	Reinf Plate (5"x1.25")	44.83 - 54.75	1.0000	1.0000
L18	29	Reinf Plate (5"x1.25")	44.83 - 54.75	1.0000	1.0000
L18	30	Reinf Plate (5"x1.25")	44.83 - 54.75	1.0000	1.0000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	14 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L19	1	LDF5-50A(7/8)	43.83 - 44.83	1.0000	1.0000
L19	3	1-1/4 HCS	43.83 - 44.83	1.0000	1.0000
L19	5	1-1/4 HCS	43.83 - 44.83	1.0000	1.0000
L19	9	EW63(ELLIPTICAL)	43.83 - 44.83	1.0000	1.0000
L19	11	LDF5-50A(7/8)	43.83 - 44.83	1.0000	1.0000
L19	16	LDF5-50A(7/8)	43.83 - 44.83	1.0000	1.0000
L19	18	Safety Line 3/8	43.83 - 44.83	1.0000	1.0000
L19	27	Reinf Plate (5"x1.25")	43.83 - 44.83	1.0000	1.0000
L19	28	Reinf Plate (5"x1.25")	43.83 - 44.83	1.0000	1.0000
L19	29	Reinf Plate (5"x1.25")	43.83 - 44.83	1.0000	1.0000
L19	30	Reinf Plate (5"x1.25")	43.83 - 44.83	1.0000	1.0000
L20	1	LDF5-50A(7/8)	40.00 - 43.83	1.0000	1.0000
L20	3	1-1/4 HCS	40.00 - 43.83	1.0000	1.0000
L20	5	1-1/4 HCS	40.00 - 43.83	1.0000	1.0000
L20	9	EW63(ELLIPTICAL)	40.00 - 43.83	1.0000	1.0000
L20	11	LDF5-50A(7/8)	40.00 - 43.83	1.0000	1.0000
L20	16	LDF5-50A(7/8)	40.00 - 43.83	1.0000	1.0000
L20	18	Safety Line 3/8	40.00 - 43.83	1.0000	1.0000
L20	27	Reinf Plate (5"x1.25")	40.00 - 43.83	1.0000	1.0000
L20	28	Reinf Plate (5"x1.25")	40.00 - 43.83	1.0000	1.0000
L20	29	Reinf Plate (5"x1.25")	40.00 - 43.83	1.0000	1.0000
L20	30	Reinf Plate (5"x1.25")	40.00 - 43.83	1.0000	1.0000
L21	1	LDF5-50A(7/8)	39.75 - 40.00	1.0000	1.0000
L21	3	1-1/4 HCS	39.75 - 40.00	1.0000	1.0000
L21	5	1-1/4 HCS	39.75 - 40.00	1.0000	1.0000
L21	9	EW63(ELLIPTICAL)	39.75 - 40.00	1.0000	1.0000
L21	11	LDF5-50A(7/8)	39.75 - 40.00	1.0000	1.0000
L21	16	LDF5-50A(7/8)	39.75 - 40.00	1.0000	1.0000
L21	18	Safety Line 3/8	39.75 - 40.00	1.0000	1.0000
L21	27	Reinf Plate (5"x1.25")	39.75 - 40.00	1.0000	1.0000
L21	28	Reinf Plate (5"x1.25")	39.75 - 40.00	1.0000	1.0000
L21	29	Reinf Plate (5"x1.25")	39.75 - 40.00	1.0000	1.0000
L21	30	Reinf Plate (5"x1.25")	39.75 - 40.00	1.0000	1.0000
L22	1	LDF5-50A(7/8)	34.75 - 39.75	1.0000	1.0000
L22	3	1-1/4 HCS	34.75 - 39.75	1.0000	1.0000
L22	5	1-1/4 HCS	34.75 - 39.75	1.0000	1.0000
L22	9	EW63(ELLIPTICAL)	34.75 - 39.75	1.0000	1.0000
L22	11	LDF5-50A(7/8)	34.75 - 39.75	1.0000	1.0000
L22	16	LDF5-50A(7/8)	34.75 - 39.75	1.0000	1.0000
L22	18	Safety Line 3/8	34.75 - 39.75	1.0000	1.0000
L22	27	Reinf Plate (5"x1.25")	38.00 - 39.75	1.0000	1.0000
L22	28	Reinf Plate (5"x1.25")	38.00 - 39.75	1.0000	1.0000
L22	29	Reinf Plate (5"x1.25")	38.00 - 39.75	1.0000	1.0000
L22	30	Reinf Plate (5"x1.25")	38.00 - 39.75	1.0000	1.0000
L23	1	LDF5-50A(7/8)	29.75 - 34.75	1.0000	1.0000
L23	3	1-1/4 HCS	29.75 - 34.75	1.0000	1.0000
L23	5	1-1/4 HCS	29.75 - 34.75	1.0000	1.0000
L23	9	EW63(ELLIPTICAL)	29.75 - 34.75	1.0000	1.0000
L23	11	LDF5-50A(7/8)	29.75 - 34.75	1.0000	1.0000
L23	16	LDF5-50A(7/8)	29.75 - 34.75	1.0000	1.0000
L23	18	Safety Line 3/8	29.75 - 34.75	1.0000	1.0000
L24	1	LDF5-50A(7/8)	24.75 - 29.75	1.0000	1.0000
L24	3	1-1/4 HCS	24.75 - 29.75	1.0000	1.0000
L24	5	1-1/4 HCS	24.75 - 29.75	1.0000	1.0000
L24	9	EW63(ELLIPTICAL)	24.75 - 29.75	1.0000	1.0000
L24	11	LDF5-50A(7/8)	24.75 - 29.75	1.0000	1.0000
L24	16	LDF5-50A(7/8)	24.75 - 29.75	1.0000	1.0000
L24	18	Safety Line 3/8	24.75 - 29.75	1.0000	1.0000
L24	32	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	1.0000	1.0000
L24	33	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	1.0000	1.0000
L24	34	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	1.0000	1.0000
L24	35	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	1.0000	1.0000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page 15 of 38
	Project	23CLVZ-0004	Date 09:11:47 09/19/23
	Client	Verizon Wireless	Designed by jboegel

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
L25	1	LDF5-50A(7/8)	22.50 - 24.75	1.0000	1.0000
L25	3	1-1/4 HCS	22.50 - 24.75	1.0000	1.0000
L25	5	1-1/4 HCS	22.50 - 24.75	1.0000	1.0000
L25	9	EW63(ELLIPTICAL)	22.50 - 24.75	1.0000	1.0000
L25	11	LDF5-50A(7/8)	22.50 - 24.75	1.0000	1.0000
L25	16	LDF5-50A(7/8)	22.50 - 24.75	1.0000	1.0000
L25	18	Safety Line 3/8	22.50 - 24.75	1.0000	1.0000
L25	32	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	1.0000	1.0000
L25	33	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	1.0000	1.0000
L25	34	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	1.0000	1.0000
L25	35	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	1.0000	1.0000
L26	1	LDF5-50A(7/8)	22.25 - 22.50	1.0000	1.0000
L26	3	1-1/4 HCS	22.25 - 22.50	1.0000	1.0000
L26	5	1-1/4 HCS	22.25 - 22.50	1.0000	1.0000
L26	9	EW63(ELLIPTICAL)	22.25 - 22.50	1.0000	1.0000
L26	11	LDF5-50A(7/8)	22.25 - 22.50	1.0000	1.0000
L26	16	LDF5-50A(7/8)	22.25 - 22.50	1.0000	1.0000
L26	18	Safety Line 3/8	22.25 - 22.50	1.0000	1.0000
L26	32	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	1.0000	1.0000
L26	33	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	1.0000	1.0000
L26	34	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	1.0000	1.0000
L26	35	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	1.0000	1.0000
L27	1	LDF5-50A(7/8)	17.25 - 22.25	1.0000	1.0000
L27	3	1-1/4 HCS	17.25 - 22.25	1.0000	1.0000
L27	5	1-1/4 HCS	17.25 - 22.25	1.0000	1.0000
L27	9	EW63(ELLIPTICAL)	17.25 - 22.25	1.0000	1.0000
L27	11	LDF5-50A(7/8)	17.25 - 22.25	1.0000	1.0000
L27	16	LDF5-50A(7/8)	17.25 - 22.25	1.0000	1.0000
L27	18	Safety Line 3/8	17.25 - 22.25	1.0000	1.0000
L27	32	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	1.0000	1.0000
L27	33	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	1.0000	1.0000
L27	34	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	1.0000	1.0000
L27	35	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	1.0000	1.0000
L28	1	LDF5-50A(7/8)	12.25 - 17.25	1.0000	1.0000
L28	3	1-1/4 HCS	12.25 - 17.25	1.0000	1.0000
L28	5	1-1/4 HCS	12.25 - 17.25	1.0000	1.0000
L28	9	EW63(ELLIPTICAL)	12.25 - 17.25	1.0000	1.0000
L28	11	LDF5-50A(7/8)	12.25 - 17.25	1.0000	1.0000
L28	16	LDF5-50A(7/8)	12.25 - 17.25	1.0000	1.0000
L28	18	Safety Line 3/8	12.25 - 17.25	1.0000	1.0000
L28	32	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	1.0000	1.0000
L28	33	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	1.0000	1.0000
L28	34	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	1.0000	1.0000
L28	35	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	1.0000	1.0000
L29	1	LDF5-50A(7/8)	7.25 - 12.25	1.0000	1.0000
L29	3	1-1/4 HCS	7.25 - 12.25	1.0000	1.0000
L29	5	1-1/4 HCS	7.25 - 12.25	1.0000	1.0000
L29	9	EW63(ELLIPTICAL)	7.25 - 12.25	1.0000	1.0000
L29	11	LDF5-50A(7/8)	7.25 - 12.25	1.0000	1.0000
L29	16	LDF5-50A(7/8)	7.25 - 12.25	1.0000	1.0000
L29	18	Safety Line 3/8	7.25 - 12.25	1.0000	1.0000
L29	32	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	1.0000	1.0000
L29	33	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	1.0000	1.0000
L29	34	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	1.0000	1.0000
L29	35	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	1.0000	1.0000
L30	1	LDF5-50A(7/8)	3.50 - 7.25	1.0000	1.0000
L30	3	1-1/4 HCS	3.50 - 7.25	1.0000	1.0000
L30	5	1-1/4 HCS	3.50 - 7.25	1.0000	1.0000
L30	9	EW63(ELLIPTICAL)	3.50 - 7.25	1.0000	1.0000
L30	11	LDF5-50A(7/8)	3.50 - 7.25	1.0000	1.0000
L30	16	LDF5-50A(7/8)	3.50 - 7.25	1.0000	1.0000
L30	18	Safety Line 3/8	3.50 - 7.25	1.0000	1.0000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	16 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L30	32	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	1.0000	1.0000
L30	33	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	1.0000	1.0000
L30	34	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	1.0000	1.0000
L30	35	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	1.0000	1.0000
L31	1	LDF5-50A(7/8)	3.25 - 3.50	1.0000	1.0000
L31	3	1-1/4 HCS	3.25 - 3.50	1.0000	1.0000
L31	5	1-1/4 HCS	3.25 - 3.50	1.0000	1.0000
L31	9	EW63(ELLIPTICAL)	3.25 - 3.50	1.0000	1.0000
L31	11	LDF5-50A(7/8)	3.25 - 3.50	1.0000	1.0000
L31	16	LDF5-50A(7/8)	3.25 - 3.50	1.0000	1.0000
L31	18	Safety Line 3/8	3.25 - 3.50	1.0000	1.0000
L31	32	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	1.0000	1.0000
L31	33	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	1.0000	1.0000
L31	34	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	1.0000	1.0000
L31	35	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	1.0000	1.0000
L32	1	LDF5-50A(7/8)	3.00 - 3.25	1.0000	1.0000
L32	3	1-1/4 HCS	3.00 - 3.25	1.0000	1.0000
L32	5	1-1/4 HCS	3.00 - 3.25	1.0000	1.0000
L32	9	EW63(ELLIPTICAL)	3.00 - 3.25	1.0000	1.0000
L32	11	LDF5-50A(7/8)	3.00 - 3.25	1.0000	1.0000
L32	16	LDF5-50A(7/8)	3.00 - 3.25	1.0000	1.0000
L32	18	Safety Line 3/8	3.00 - 3.25	1.0000	1.0000
L32	32	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	1.0000	1.0000
L32	33	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	1.0000	1.0000
L32	34	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	1.0000	1.0000
L32	35	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	1.0000	1.0000
L33	1	LDF5-50A(7/8)	2.75 - 3.00	1.0000	1.0000
L33	3	1-1/4 HCS	2.75 - 3.00	1.0000	1.0000
L33	5	1-1/4 HCS	2.75 - 3.00	1.0000	1.0000
L33	9	EW63(ELLIPTICAL)	2.75 - 3.00	1.0000	1.0000
L33	11	LDF5-50A(7/8)	2.75 - 3.00	1.0000	1.0000
L33	16	LDF5-50A(7/8)	2.75 - 3.00	1.0000	1.0000
L33	18	Safety Line 3/8	2.75 - 3.00	1.0000	1.0000
L33	32	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	1.0000	1.0000
L33	33	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	1.0000	1.0000
L33	34	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	1.0000	1.0000
L33	35	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	1.0000	1.0000
L34	1	LDF5-50A(7/8)	0.00 - 2.75	1.0000	1.0000
L34	3	1-1/4 HCS	0.00 - 2.75	1.0000	1.0000
L34	5	1-1/4 HCS	0.00 - 2.75	1.0000	1.0000
L34	9	EW63(ELLIPTICAL)	0.00 - 2.75	1.0000	1.0000
L34	11	LDF5-50A(7/8)	0.00 - 2.75	1.0000	1.0000
L34	16	LDF5-50A(7/8)	0.00 - 2.75	1.0000	1.0000
L34	18	Safety Line 3/8	0.00 - 2.75	1.0000	1.0000
L34	32	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	1.0000	1.0000
L34	33	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	1.0000	1.0000
L34	34	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	1.0000	1.0000
L34	35	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
---------------	-----------------------	-------------	--------------------------	--------------------------	-----------------------

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page 17 of 38
	Project	23CLVZ-0004	Date 09:11:17 09/19/23
	Client	Verizon Wireless	Designed by jboegel

<i>Tower Section</i>	<i>Attachment Record No.</i>	<i>Description</i>	<i>Attachment Segment Elev.</i>	<i>Ratio Calculation Method</i>	<i>Effective Width Ratio</i>
L15	27	Reinf Plate (5"x1.25")	60.00 - 62.00	Manual	1.0000
L15	28	Reinf Plate (5"x1.25")	60.00 - 62.00	Manual	1.0000
L15	29	Reinf Plate (5"x1.25")	60.00 - 62.00	Manual	1.0000
L15	30	Reinf Plate (5"x1.25")	60.00 - 62.00	Manual	1.0000
L16	27	Reinf Plate (5"x1.25")	59.75 - 60.00	Manual	1.0000
L16	28	Reinf Plate (5"x1.25")	59.75 - 60.00	Manual	1.0000
L16	29	Reinf Plate (5"x1.25")	59.75 - 60.00	Manual	1.0000
L16	30	Reinf Plate (5"x1.25")	59.75 - 60.00	Manual	1.0000
L17	27	Reinf Plate (5"x1.25")	54.75 - 59.75	Manual	1.0000
L17	28	Reinf Plate (5"x1.25")	54.75 - 59.75	Manual	1.0000
L17	29	Reinf Plate (5"x1.25")	54.75 - 59.75	Manual	1.0000
L17	30	Reinf Plate (5"x1.25")	54.75 - 59.75	Manual	1.0000
L18	27	Reinf Plate (5"x1.25")	44.83 - 54.75	Manual	1.0000
L18	28	Reinf Plate (5"x1.25")	44.83 - 54.75	Manual	1.0000
L18	29	Reinf Plate (5"x1.25")	44.83 - 54.75	Manual	1.0000
L18	30	Reinf Plate (5"x1.25")	44.83 - 54.75	Manual	1.0000
L19	27	Reinf Plate (5"x1.25")	43.83 - 44.83	Manual	1.0000
L19	28	Reinf Plate (5"x1.25")	43.83 - 44.83	Manual	1.0000
L19	29	Reinf Plate (5"x1.25")	43.83 - 44.83	Manual	1.0000
L19	30	Reinf Plate (5"x1.25")	43.83 - 44.83	Manual	1.0000
L20	27	Reinf Plate (5"x1.25")	40.00 - 43.83	Manual	1.0000
L20	28	Reinf Plate (5"x1.25")	40.00 - 43.83	Manual	1.0000
L20	29	Reinf Plate (5"x1.25")	40.00 - 43.83	Manual	1.0000
L20	30	Reinf Plate (5"x1.25")	40.00 - 43.83	Manual	1.0000
L21	27	Reinf Plate (5"x1.25")	39.75 - 40.00	Manual	1.0000
L21	28	Reinf Plate (5"x1.25")	39.75 - 40.00	Manual	1.0000
L21	29	Reinf Plate (5"x1.25")	39.75 - 40.00	Manual	1.0000
L21	30	Reinf Plate (5"x1.25")	39.75 - 40.00	Manual	1.0000
L22	27	Reinf Plate (5"x1.25")	38.00 - 39.75	Manual	1.0000
L22	28	Reinf Plate (5"x1.25")	38.00 - 39.75	Manual	1.0000
L22	29	Reinf Plate (5"x1.25")	38.00 - 39.75	Manual	1.0000
L22	30	Reinf Plate (5"x1.25")	38.00 - 39.75	Manual	1.0000
L24	32	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	Manual	1.0000
L24	33	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	Manual	1.0000
L24	34	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	Manual	1.0000
L24	35	Reinf Plate (6.5" x 1.25")	24.75 - 25.00	Manual	1.0000
L25	32	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	Manual	1.0000
L25	33	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	Manual	1.0000
L25	34	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	Manual	1.0000
L25	35	Reinf Plate (6.5" x 1.25")	22.50 - 24.75	Manual	1.0000
L26	32	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	Manual	1.0000
L26	33	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	Manual	1.0000
L26	34	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	Manual	1.0000
L26	35	Reinf Plate (6.5" x 1.25")	22.25 - 22.50	Manual	1.0000
L27	32	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	Manual	1.0000
L27	33	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	Manual	1.0000
L27	34	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	Manual	1.0000
L27	35	Reinf Plate (6.5" x 1.25")	17.25 - 22.25	Manual	1.0000
L28	32	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	Manual	1.0000
L28	33	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	Manual	1.0000
L28	34	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	Manual	1.0000
L28	35	Reinf Plate (6.5" x 1.25")	12.25 - 17.25	Manual	1.0000
L29	32	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	Manual	1.0000
L29	33	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	Manual	1.0000
L29	34	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	Manual	1.0000
L29	35	Reinf Plate (6.5" x 1.25")	7.25 - 12.25	Manual	1.0000
L30	32	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	Manual	1.0000
L30	33	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	Manual	1.0000
L30	34	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	Manual	1.0000
L30	35	Reinf Plate (6.5" x 1.25")	3.50 - 7.25	Manual	1.0000
L31	32	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	Manual	1.0000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	18 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L31	33	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	Manual	1.0000
L31	34	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	Manual	1.0000
L31	35	Reinf Plate (6.5" x 1.25")	3.25 - 3.50	Manual	1.0000
L32	32	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	Manual	1.0000
L32	33	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	Manual	1.0000
L32	34	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	Manual	1.0000
L32	35	Reinf Plate (6.5" x 1.25")	3.00 - 3.25	Manual	1.0000
L33	32	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	Manual	1.0000
L33	33	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	Manual	1.0000
L33	34	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	Manual	1.0000
L33	35	Reinf Plate (6.5" x 1.25")	2.75 - 3.00	Manual	1.0000
L34	32	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	Manual	1.0000
L34	33	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	Manual	1.0000
L34	34	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	Manual	1.0000
L34	35	Reinf Plate (6.5" x 1.25")	0.25 - 2.75	Manual	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 K
PD440-140	B	From Face	0.00 0.00 5.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	2.66 4.44 6.22	2.66 4.44 6.22	0.02 0.03 0.05

(2) JAHH-65B-R3B w/ Mount Pipe	A	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	9.35 9.92 10.46	7.65 8.83 9.73	0.09 0.16 0.25
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	9.35 9.92 10.46	7.65 8.83 9.73	0.09 0.16 0.25
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	9.35 9.92 10.46	7.65 8.83 9.73	0.09 0.16 0.25
MT6407-77A w/ Pipe Mount	A	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	4.71 5.01 5.31	2.43 2.84 3.26	0.10 0.14 0.18
MT6407-77A w/ Pipe Mount	B	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	4.71 5.01 5.31	2.43 2.84 3.26	0.10 0.14 0.18
MT6407-77A w/ Pipe Mount	C	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	4.71 5.01 5.31	2.43 2.84 3.26	0.10 0.14 0.18
XXDWMM-12.5-65-8T-CBR S w/ Mount Pipe	A	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	3.12 3.96 4.69	2.65 3.60 4.40	0.05 0.08 0.12
XXDWMM-12.5-65-8T-CBR S w/ Mount Pipe	B	From Face	3.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	3.12 3.96 4.69	2.65 3.60 4.40	0.05 0.08 0.12
XXDWMM-12.5-65-8T-CBR	C	From Face	3.00	0.0000	128.00	No Ice	3.12	2.65	0.05

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	19 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
S w/ Mount Pipe			0.00		1/2" Ice	3.96	3.60	0.08
			0.00		1" Ice	4.69	4.40	0.12
BXA-80080/4CF w/ Mount Pipe	A	From Face	3.00	0.0000	128.00	No Ice	5.04	4.03
			0.00		1/2" Ice	5.42	4.65	0.08
			0.00		1" Ice	5.81	5.28	0.13
BXA-80080/4CF w/ Mount Pipe	B	From Face	3.00	0.0000	128.00	No Ice	5.04	4.03
			0.00		1/2" Ice	5.42	4.65	0.08
			0.00		1" Ice	5.81	5.28	0.13
BXA-80080/4CF w/ Mount Pipe	C	From Face	3.00	0.0000	128.00	No Ice	5.04	4.03
			0.00		1/2" Ice	5.42	4.65	0.08
			0.00		1" Ice	5.81	5.28	0.13
CBC78T-DS-43-2X	A	From Face	3.00	0.0000	128.00	No Ice	0.37	0.51
			0.00		1/2" Ice	0.45	0.60	0.03
			0.00		1" Ice	0.53	0.70	0.04
CBC78T-DS-43-2X	B	From Face	3.00	0.0000	128.00	No Ice	0.37	0.51
			0.00		1/2" Ice	0.45	0.60	0.03
			0.00		1" Ice	0.53	0.70	0.04
CBC78T-DS-43-2X	C	From Face	3.00	0.0000	128.00	No Ice	0.37	0.51
			0.00		1/2" Ice	0.45	0.60	0.03
			0.00		1" Ice	0.53	0.70	0.04
B2/B66A RRH-BR049 (RFV01U-D1A)	A	From Face	3.00	0.0000	128.00	No Ice	1.88	1.25
			0.00		1/2" Ice	2.05	1.39	0.10
			0.00		1" Ice	2.22	1.54	0.12
B2/B66A RRH-BR049 (RFV01U-D1A)	B	From Face	3.00	0.0000	128.00	No Ice	1.88	1.25
			0.00		1/2" Ice	2.05	1.39	0.10
			0.00		1" Ice	2.22	1.54	0.12
B2/B66A RRH-BR049 (RFV01U-D1A)	C	From Face	3.00	0.0000	128.00	No Ice	1.88	1.25
			0.00		1/2" Ice	2.05	1.39	0.10
			0.00		1" Ice	2.22	1.54	0.12
B5/B13 RRH-BR04C (RFV01U-D2A)	A	From Face	3.00	0.0000	128.00	No Ice	1.88	1.01
			0.00		1/2" Ice	2.05	1.14	0.07
			0.00		1" Ice	2.22	1.28	0.11
B5/B13 RRH-BR04C (RFV01U-D2A)	B	From Face	3.00	0.0000	128.00	No Ice	1.88	1.01
			0.00		1/2" Ice	2.05	1.14	0.09
			0.00		1" Ice	2.22	1.28	0.11
B5/B13 RRH-BR04C (RFV01U-D2A)	C	From Face	3.00	0.0000	128.00	No Ice	1.88	1.01
			0.00		1/2" Ice	2.05	1.14	0.09
			0.00		1" Ice	2.22	1.28	0.11
RRFDC-3315-PF-48	A	From Face	3.00	0.0000	128.00	No Ice	3.36	2.19
			0.00		1/2" Ice	3.60	2.39	0.06
			0.00		1" Ice	3.84	2.61	0.09
RRFDC-3315-PF-48	B	From Face	3.00	0.0000	128.00	No Ice	3.36	2.19
			0.00		1/2" Ice	3.60	2.39	0.06
			0.00		1" Ice	3.84	2.61	0.09
(2) KA-6030	A	From Face	3.00	0.0000	128.00	No Ice	0.77	0.28
			0.00		1/2" Ice	0.88	0.35	0.03
			0.00		1" Ice	1.00	0.43	0.04
(2) KA-6030	B	From Face	3.00	0.0000	128.00	No Ice	0.77	0.28
			0.00		1/2" Ice	0.88	0.35	0.03
			0.00		1" Ice	1.00	0.43	0.04
RRUDSM	A	From Face	3.00	0.0000	128.00	No Ice	1.13	1.13
			0.00		1/2" Ice	1.69	1.69	0.09
			0.00		1" Ice	2.25	2.25	0.13
RRUDSM	B	From Face	3.00	0.0000	128.00	No Ice	1.13	1.13
			0.00		1/2" Ice	1.69	1.69	0.09
			0.00		1" Ice	2.25	2.25	0.13
Platform w/ Handrails &	C	None	0.00	0.0000	128.00	No Ice	53.77	53.77

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	20 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
Kicker						1/2" Ice	59.70	59.70	3.69
*****						1" Ice	65.63	65.63	5.05
APXVSPP18-C-A20 w/ Mount Pipe	A	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	8.26	6.95	0.08
						1/2" Ice	8.82	8.13	0.15
						1" Ice	9.35	9.02	0.23
APXVSPP18-C-A20 w/ Mount Pipe	B	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	8.26	6.95	0.08
						1/2" Ice	8.82	8.13	0.15
						1" Ice	9.35	9.02	0.23
APXVSPP18-C-A20 w/ Mount Pipe	C	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	8.26	6.95	0.08
						1/2" Ice	8.82	8.13	0.15
						1" Ice	9.35	9.02	0.23
APXVTM14-C-120 w/ Mount Pipe	A	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	6.58	4.96	0.07
						1/2" Ice	7.03	5.75	0.13
						1" Ice	7.47	6.47	0.19
APXVTM14-C-120 w/ Mount Pipe	B	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	6.58	4.96	0.07
						1/2" Ice	7.03	5.75	0.13
						1" Ice	7.47	6.47	0.19
APXVTM14-C-120 w/ Mount Pipe	C	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	6.58	4.96	0.07
						1/2" Ice	7.03	5.75	0.13
						1" Ice	7.47	6.47	0.19
30"x18"x4" RRH	A	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	4.90	2.00	0.02
						1/2" Ice	5.30	2.26	0.05
						1" Ice	5.70	2.50	0.09
30"x18"x4" RRH	B	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	4.90	2.00	0.02
						1/2" Ice	5.30	2.26	0.05
						1" Ice	5.70	2.50	0.09
30"x18"x4" RRH	C	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	4.90	2.00	0.02
						1/2" Ice	5.30	2.26	0.05
						1" Ice	5.70	2.50	0.09
800 MHz RRH	A	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	0.17	0.41	0.01
						1/2" Ice	0.23	0.50	0.01
						1" Ice	0.29	0.59	0.02
800 MHz RRH	B	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	0.17	0.41	0.01
						1/2" Ice	0.23	0.50	0.01
						1" Ice	0.29	0.59	0.02
800 MHz RRH	C	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	0.17	0.41	0.01
						1/2" Ice	0.23	0.50	0.01
						1" Ice	0.29	0.59	0.02
1900 MHz RRH	A	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	0.23	0.43	0.02
						1/2" Ice	0.30	0.53	0.02
						1" Ice	0.37	0.63	0.03
1900 MHz RRH	B	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	0.23	0.43	0.02
						1/2" Ice	0.30	0.53	0.02
						1" Ice	0.37	0.63	0.03
1900 MHz RRH	C	From Face	3.00 0.00 0.00	0.0000	116.00	No Ice	0.23	0.43	0.02
						1/2" Ice	0.30	0.53	0.02
						1" Ice	0.37	0.63	0.03
Low Profile Platform	C	None		0.0000	116.00	No Ice	14.69	14.69	1.25
						1/2" Ice	18.01	18.01	1.57
						1" Ice	21.33	21.33	1.89

Pipe Mount	B	From Face	0.50 0.00 0.00	0.0000	106.00	No Ice	3.00	3.00	0.07
						1/2" Ice	3.74	3.74	0.08
						1" Ice	4.48	4.48	0.09

BA4040-41-DIN	B	From Face	3.00	0.0000	99.00	No Ice	6.20	6.20	0.07

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	21 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

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 K
			0.00			1/2" Ice	8.30	0.11
			4.00			1" Ice	10.40	0.16
BA4040-41-DIN	C	From Face	3.00	0.0000	99.00	No Ice	6.20	0.07
			0.00			1/2" Ice	8.30	0.11
			4.00			1" Ice	10.40	0.16
AIR 21 B2A/B4P w/ Mount Pipe	A	From Face	3.00	0.0000	99.00	No Ice	6.16	0.10
			0.00			1/2" Ice	6.60	0.16
			0.00			1" Ice	7.03	0.22
AIR 21 B2A/B4P w/ Mount Pipe	B	From Face	3.00	0.0000	99.00	No Ice	6.16	0.10
			0.00			1/2" Ice	6.60	0.16
			0.00			1" Ice	7.03	0.22
AIR 21 B2A/B4P w/ Mount Pipe	C	From Face	3.00	0.0000	99.00	No Ice	6.16	0.10
			0.00			1/2" Ice	6.60	0.16
			0.00			1" Ice	7.03	0.22
AIR 21 B4A/B2P w/ Mount Pipe	A	From Face	3.00	0.0000	99.00	No Ice	6.16	0.10
			0.00			1/2" Ice	6.60	0.16
			0.00			1" Ice	7.03	0.22
AIR 21 B4A/B2P w/ Mount Pipe	B	From Face	3.00	0.0000	99.00	No Ice	6.16	0.10
			0.00			1/2" Ice	6.60	0.16
			0.00			1" Ice	7.03	0.22
AIR 21 B4A/B2P w/ Mount Pipe	C	From Face	3.00	0.0000	99.00	No Ice	6.16	0.10
			0.00			1/2" Ice	6.60	0.16
			0.00			1" Ice	7.03	0.22
LNx-6515DS-VTM w/ Mount Pipe	A	From Face	3.00	0.0000	99.00	No Ice	11.63	0.07
			0.00			1/2" Ice	12.35	0.16
			0.00			1" Ice	13.07	0.26
LNx-6515DS-VTM w/ Mount Pipe	B	From Face	3.00	0.0000	99.00	No Ice	11.63	0.07
			0.00			1/2" Ice	12.35	0.16
			0.00			1" Ice	13.07	0.26
LNx-6515DS-VTM w/ Mount Pipe	C	From Face	3.00	0.0000	99.00	No Ice	11.63	0.07
			0.00			1/2" Ice	12.35	0.16
			0.00			1" Ice	13.07	0.26
RRUS 11	A	From Face	3.00	0.0000	99.00	No Ice	2.78	0.05
			0.00			1/2" Ice	2.99	0.07
			0.00			1" Ice	3.21	0.09
RRUS 11	B	From Face	3.00	0.0000	99.00	No Ice	2.78	0.05
			0.00			1/2" Ice	2.99	0.07
			0.00			1" Ice	3.21	0.09
RRUS 11	C	From Face	3.00	0.0000	99.00	No Ice	2.78	0.05
			0.00			1/2" Ice	2.99	0.07
			0.00			1" Ice	3.21	0.09
KRY 112 144/1	A	From Face	3.00	0.0000	99.00	No Ice	0.35	0.01
			0.00			1/2" Ice	0.43	0.01
			0.00			1" Ice	0.51	0.02
KRY 112 144/1	B	From Face	3.00	0.0000	99.00	No Ice	0.35	0.01
			0.00			1/2" Ice	0.43	0.01
			0.00			1" Ice	0.51	0.02
KRY 112 144/1	C	From Face	3.00	0.0000	99.00	No Ice	0.35	0.01
			0.00			1/2" Ice	0.43	0.01
			0.00			1" Ice	0.51	0.02
Platform w/ Handrails	C	None		0.0000	99.00	No Ice	31.07	1.34
						1/2" Ice	34.82	1.97
						1" Ice	38.57	2.59

Pipe Mount	C	From Face	0.50	0.0000	87.00	No Ice	3.00	0.07
			0.00			1/2" Ice	3.74	0.08
			0.00			1" Ice	4.48	0.09

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	22 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K

10' Omni Antenna	A	From Face	3.00 0.00 5.00	0.0000	85.00	No Ice 1/2" Ice 1" Ice	2.00 3.03 4.06	2.00 3.03 4.06	0.01 0.03 0.04
Side Arm	A	From Face	1.50 0.00 0.00	0.0000	85.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	0.07 0.08 0.09
18" Dipole	A	From Face	3.00 0.00 -1.00	0.0000	85.00	No Ice 1/2" Ice 1" Ice	0.17 0.27 0.37	0.17 0.27 0.37	0.01 0.02 0.02
Pipe Mount	B	From Face	0.50 0.00 0.00	0.0000	85.00	No Ice 1/2" Ice 1" Ice	3.00 3.74 4.48	3.00 3.74 4.48	0.07 0.08 0.09

8 Element Yagi	A	From Face	3.00 0.00 4.00	0.0000	59.00	No Ice 1/2" Ice 1" Ice	2.08 3.79 5.50	2.08 3.79 5.50	0.03 0.05 0.07
Side Arm	A	From Face	1.50 0.00 0.00	0.0000	59.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	0.07 0.08 0.09

2' Omni Antenna	B	From Face	0.00 0.00 0.00	0.0000	57.00	No Ice 1/2" Ice 1" Ice	0.30 0.43 0.56	0.30 0.43 0.56	0.01 0.01 0.02
Pipe Mount	B	From Face	0.50 0.00 0.00	0.0000	57.00	No Ice 1/2" Ice 1" Ice	3.00 3.74 4.48	3.00 3.74 4.48	0.07 0.08 0.09

GPS	A	From Face	3.00 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice	0.42 0.57 0.69	0.42 0.57 0.72	0.01 0.02 0.02
Side Arm	A	From Face	1.50 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	0.07 0.08 0.09

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight K
VHLP3-11W-6WH/A	B	Paraboloid w/Shroud (HP)	From Face	1.00 0.00 0.00	-20.0700		106.00	3.27	No Ice 1/2" Ice 1" Ice	8.42 8.86 9.29
VHLP3-11W-6WH/A	C	Paraboloid w/Shroud (HP)	From Face	1.00 0.00 0.00	9.3400		87.00	3.27	No Ice 1/2" Ice 1" Ice	8.42 8.86 9.29
VHLP3-11W-6WH/A	B	Paraboloid w/Shroud (HP)	From Face	1.00 0.00 0.00	-84.4300		85.00	3.27	No Ice 1/2" Ice 1" Ice	8.42 8.86 9.29

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	23 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

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 Member Forces

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	24 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	130 - 125	Pole	Max Tension	21	0.00	-0.00	-0.00
			Max. Compression	26	-12.37	-0.05	1.51
			Max. Mx	8	-4.49	-22.34	0.54
			Max. My	2	-4.50	-0.03	22.68
			Max. Vy	20	-7.22	22.30	0.51
			Max. Vx	2	-7.14	-0.03	22.68
L2	125 - 120	Pole	Max. Torque	20			-0.61
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-12.89	-0.09	1.55
			Max. Mx	8	-4.77	-59.29	0.57
			Max. My	2	-4.78	-0.07	59.25
			Max. Vy	20	-7.56	59.22	0.51
L3	120 - 115	Pole	Max. Vx	14	7.49	-0.02	-58.06
			Max. Torque	20			-0.61
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.97	-0.12	1.57
			Max. Mx	8	-7.02	-100.60	0.59
			Max. My	2	-7.02	-0.11	100.19
L4	115 - 110	Pole	Max. Vy	20	-10.55	100.51	0.49
			Max. Vx	14	10.48	-0.02	-98.99
			Max. Torque	20			-0.61
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-18.62	-0.16	1.55
			Max. Mx	8	-7.39	-154.24	0.60
L5	110 - 105	Pole	Max. My	2	-7.40	-0.16	153.41
			Max. Vy	20	-10.91	154.12	0.44
			Max. Vx	14	10.83	-0.02	-152.26
			Max. Torque	20			-0.61
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-19.56	-0.58	1.75
L6	105 - 100	Pole	Max. Mx	8	-7.88	-210.22	0.85
			Max. My	2	-7.88	-0.48	208.93
			Max. Vy	20	-11.70	209.78	0.27
			Max. Vx	14	11.67	0.04	-207.70
			Max. Torque	10			1.12
			Max Tension	1	0.00	0.00	0.00
L7	100 - 95	Pole	Max. Compression	26	-20.28	-0.60	1.73
			Max. Mx	8	-8.31	-269.39	1.66
			Max. My	2	-8.32	-1.28	267.80
			Max. Vy	20	-12.07	269.16	-0.90
			Max. Vx	14	12.04	0.96	-266.97
			Max. Torque	10			1.12
L8	95 - 89.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.88	-1.26	1.36
			Max. Mx	8	-11.40	-349.63	2.35
			Max. My	2	-11.40	-2.28	347.33
			Max. Vy	20	-16.77	349.09	-2.19
			Max. Vx	14	16.74	1.68	-347.21
L9	89.92 - 89	Pole	Max. Torque	24			-1.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28.05	-1.26	1.36
			Max. Mx	8	-11.51	-366.38	2.52
			Max. My	2	-11.51	-2.44	364.02
			Max. Vy	20	-16.84	365.88	-2.43
			Max. Vx	14	16.81	1.87	-363.98
			Max. Torque	24			-1.52
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.53	-1.24	1.39
			Max. Mx	8	-12.45	-451.39	3.34
			Max. My	14	-12.44	2.81	-449.13
			Max. Vy	20	-17.27	451.13	-3.60
			Max. Vx	20			

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	25 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L10	89 - 84	Pole	Max. Vx	14	17.25	2.81	-449.13
			Max. Torque	24			-1.52
			Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.31	-1.11	1.49
			Max. Mx	20	-13.45	540.37	-4.85
			Max. My	14	-13.42	3.86	-538.65
			Max. Vy	20	-18.48	540.37	-4.85
			Max. Vx	14	18.75	3.86	-538.65
			Max. Torque	24			-2.03
L11	84 - 79	Pole	Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-32.43	-1.07	1.54
			Max. Mx	20	-14.21	633.66	-5.87
			Max. My	14	-14.18	4.46	-633.32
			Max. Vy	20	-18.86	633.66	-5.87
			Max. Vx	14	19.13	4.46	-633.32
			Max. Torque	24			-2.03
			Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.58	-1.03	1.60
L12	79 - 74	Pole	Max. Mx	20	-15.00	728.83	-6.89
			Max. My	14	-14.97	5.06	-729.88
			Max. Vy	20	-19.23	728.83	-6.89
			Max. Vx	14	19.51	5.06	-729.88
			Max. Torque	24			-2.03
			Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.76	-0.98	1.65
			Max. Mx	20	-15.81	825.88	-7.90
			Max. My	14	-15.79	5.66	-828.32
L13	74 - 69	Pole	Max. Vy	20	-19.61	825.88	-7.90
			Max. Vx	14	19.88	5.66	-828.32
			Max. Torque	24			-2.03
			Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.96	-0.93	1.68
			Max. Mx	20	-16.66	924.80	-8.92
			Max. My	14	-16.64	6.26	-928.62
			Max. Vy	20	-19.98	924.80	-8.92
			Max. Vx	14	20.26	6.26	-928.62
L14	69 - 64	Pole	Max. Torque	24			-2.03
			Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.01	-0.88	1.73
			Max. Mx	20	-17.34	1005.72	-9.73
			Max. My	14	-17.32	6.74	-1010.65
			Max. Vy	20	-20.50	1005.72	-9.73
			Max. Vx	14	20.78	6.74	-1010.65
			Max. Torque	24			-2.03
			Max. Tension	1	0.00	0.00	0.00
L15	64 - 60	Pole	Max. Compression	26	-37.11	-0.87	1.73
			Max. Mx	20	-17.42	1010.85	-9.78
			Max. My	14	-17.40	6.77	-1015.85
			Max. Vy	20	-20.53	1010.85	-9.78
			Max. Vx	14	20.81	6.77	-1015.85
			Max. Torque	24			-2.03
			Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.37	-0.39	2.28
			Max. Mx	20	-18.93	1116.81	-10.59
L16	60 - 59.75	Pole	Max. My	14	-18.91	7.59	-1122.87
			Max. Vy	20	-21.60	1116.81	-10.59
			Max. Vx	14	21.91	7.59	-1122.87
			Max. Torque	24			-2.03
			Max. Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.23	-0.33	2.37
			Max. Mx	20	-20.22	1221.16	-11.60
			Max. My	14			
			Max. Vy	20			
L17	59.75 - 54.75	Pole	Max. Vx	14			
			Max. Torque	24			
			Max. Tension	1			
			Max. Compression	26			
			Max. Mx	20			
			Max. My	14			
			Max. Vy	20			
			Max. Vx	14			
			Max. Torque	24			
L18	54.75 - 44.83	Pole	Max. Tension	1			
			Max. Compression	26			
			Max. Mx	20			
			Max. My	14			
			Max. Vy	20			
			Max. Vx	14			
			Max. Torque	24			
			Max. Tension	1			
			Max. Compression	26			

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	26 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L19	44.83 - 43.83	Pole	Max. My	14	-20.20	8.21	-1228.77
			Max. Vy	20	-22.36	1221.16	-11.60
			Max. Vx	14	22.69	8.21	-1228.77
			Max. Torque	24			-2.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.50	0.13	2.70
			Max. Mx	20	-23.39	1363.04	-12.86
			Max. My	14	-23.37	9.33	-1372.52
			Max. Vy	20	-23.50	1363.04	-12.86
			Max. Vx	14	23.88	9.33	-1372.52
L20	43.83 - 40	Pole	Max. Torque	24			-1.90
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.14	0.18	2.77
			Max. Mx	20	-24.58	1454.16	-13.73
			Max. My	14	-24.56	9.88	-1465.12
			Max. Vy	20	-24.10	1454.16	-13.73
			Max. Vx	14	24.49	9.88	-1465.12
			Max. Torque	24			-1.90
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.22	0.18	2.77
L21	40 - 39.75	Pole	Max. Mx	20	-24.64	1460.19	-13.78
			Max. My	14	-24.62	9.91	-1471.24
			Max. Vy	20	-24.13	1460.19	-13.78
			Max. Vx	14	24.52	9.91	-1471.24
			Max. Torque	24			-1.90
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.79	0.23	2.84
			Max. Mx	20	-25.77	1581.85	-14.91
			Max. My	14	-25.76	10.62	-1594.87
			Max. Vy	20	-24.55	1581.85	-14.91
L22	39.75 - 34.75	Pole	Max. Vx	14	24.95	10.62	-1594.87
			Max. Torque	24			-1.90
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.33	0.26	2.89
			Max. Mx	20	-26.95	1705.35	-16.04
			Max. My	14	-26.93	11.33	-1720.33
			Max. Vy	20	-24.88	1705.35	-16.04
			Max. Vx	14	25.27	11.33	-1720.33
			Max. Torque	24			-1.89
			Max Tension	1	0.00	0.00	0.00
L23	34.75 - 29.75	Pole	Max. Compression	26	-51.91	0.30	2.94
			Max. Mx	20	-28.15	1830.46	-17.16
			Max. My	14	-28.14	12.04	-1847.40
			Max. Vy	20	-25.20	1830.46	-17.16
			Max. Vx	14	25.59	12.04	-1847.40
			Max. Torque	24			-1.89
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.70	0.33	2.99
			Max. Mx	20	-28.70	1887.49	-17.66
			Max. My	14	-28.69	12.35	-1905.32
L24	29.75 - 24.75	Pole	Max. Vy	20	-25.52	1887.49	-17.66
			Max. Vx	14	25.92	12.35	-1905.32
			Max. Torque	24			-1.90
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.82	0.34	2.99
			Max. Mx	20	-28.80	1893.87	-17.71
			Max. My	14	-28.79	12.39	-1911.80
			Max. Vy	20	-25.55	1893.87	-17.71
			Max. Vx	14	25.95	12.39	-1911.80
			Max. Torque	24			-1.90
L25	24.75 - 22.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.70	0.33	2.99
L26	22.5 - 22.25	Pole	Max. Mx	20	-28.70	1887.49	-17.66
			Max. My	14	-28.69	12.35	-1905.32
			Max. Vy	20	-25.52	1887.49	-17.66
			Max. Vx	14	25.92	12.35	-1905.32
			Max. Torque	24			-1.90
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.82	0.34	2.99
			Max. Mx	20	-28.80	1893.87	-17.71
			Max. My	14	-28.79	12.39	-1911.80
			Max. Vy	20	-25.55	1893.87	-17.71
L27	22.25 - 17.25	Pole	Max. Vx	14	25.95	12.39	-1911.80
			Max. Torque	24			-1.90
L28			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.70	0.33	2.99

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	27 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L28	17.25 - 12.25	Pole	Max. Compression	26	-55.24	0.41	3.10
			Max. Mx	20	-30.64	2023.57	-18.82
			Max. My	14	-30.63	13.09	-2043.58
			Max. Vy	20	-26.35	2023.57	-18.82
			Max. Vx	14	26.77	13.09	-2043.58
			Max. Torque	24		-1.91	
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.68	0.48	3.20
			Max. Mx	20	-32.51	2157.26	-19.93
			Max. My	14	-32.51	13.79	-2179.46
			Max. Vy	20	-27.15	2157.26	-19.93
			Max. Vx	14	27.60	13.79	-2179.46
			Max. Torque	24		-1.92	
			Max Tension	1	0.00	0.00	0.00
L29	12.25 - 7.25	Pole	Max. Compression	26	-60.13	0.55	3.30
			Max. Mx	20	-34.42	2294.96	-21.04
			Max. My	14	-34.41	14.48	-2319.47
			Max. Vy	20	-27.96	2294.96	-21.04
			Max. Vx	14	28.43	14.48	-2319.47
			Max. Torque	24		-1.94	
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.95	0.60	3.37
			Max. Mx	20	-35.87	2400.89	-21.86
			Max. My	14	-35.87	15.00	-2427.21
			Max. Vy	20	-28.57	2400.89	-21.86
			Max. Vx	14	29.05	15.00	-2427.21
			Max. Torque	24		-1.94	
			Max Tension	1	0.00	0.00	0.00
L30	7.25 - 3.5	Pole	Max. Compression	26	-62.08	0.60	3.37
			Max. Mx	20	-35.97	2408.03	-21.92
			Max. My	14	-35.97	15.04	-2434.47
			Max. Vy	20	-28.60	2408.03	-21.92
			Max. Vx	14	29.09	15.04	-2434.47
			Max. Torque	24		-1.94	
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.22	0.61	3.38
			Max. Mx	20	-36.10	2415.19	-21.97
			Max. My	14	-36.10	15.07	-2441.75
			Max. Vy	20	-28.64	2415.19	-21.97
			Max. Vx	14	29.13	15.07	-2441.75
			Max. Torque	24		-1.94	
			Max Tension	1	0.00	0.00	0.00
L31	3.5 - 3.25	Pole	Max. Compression	26	-62.34	0.61	3.38
			Max. Mx	20	-36.19	2422.35	-22.03
			Max. My	14	-36.19	15.11	-2449.04
			Max. Vy	20	-28.68	2422.35	-22.03
			Max. Vx	14	29.17	15.11	-2449.04
			Max. Torque	24		-1.94	
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.56	0.64	3.43
			Max. Mx	20	-37.18	2501.81	-22.63
			Max. My	14	-37.18	15.48	-2529.86
			Max. Vy	20	-29.13	2501.81	-22.63
			Max. Vx	14	29.63	15.48	-2529.86
			Max. Torque	14		1.97	
			Max Tension	1	0.00	0.00	0.00
L32	3.25 - 3	Pole	Max. Compression	26	-63.56	0.64	3.43
			Max. Mx	20	-37.18	2501.81	-22.63
			Max. My	14	-37.18	15.48	-2529.86
			Max. Vy	20	-29.13	2501.81	-22.63
			Max. Vx	14	29.63	15.48	-2529.86
			Max. Torque	14		1.97	
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.56	0.64	3.43
			Max. Mx	20	-37.18	2501.81	-22.63
			Max. My	14	-37.18	15.48	-2529.86
			Max. Vy	20	-29.13	2501.81	-22.63
			Max. Vx	14	29.63	15.48	-2529.86
			Max. Torque	14		1.97	
			Max Tension	1	0.00	0.00	0.00
L33	3 - 2.75	Pole	Max. Compression	26	-63.56	0.64	3.43
			Max. Mx	20	-37.18	2501.81	-22.63
			Max. My	14	-37.18	15.48	-2529.86
			Max. Vy	20	-29.13	2501.81	-22.63
			Max. Vx	14	29.63	15.48	-2529.86
			Max. Torque	14		1.97	
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.56	0.64	3.43
			Max. Mx	20	-37.18	2501.81	-22.63
			Max. My	14	-37.18	15.48	-2529.86
			Max. Vy	20	-29.13	2501.81	-22.63
			Max. Vx	14	29.63	15.48	-2529.86
			Max. Torque	14		1.97	
			Max Tension	1	0.00	0.00	0.00
L34	2.75 - 0	Pole	Max. Compression	26	-63.56	0.64	3.43
			Max. Mx	20	-37.18	2501.81	-22.63
			Max. My	14	-37.18	15.48	-2529.86
			Max. Vy	20	-29.13	2501.81	-22.63
			Max. Vx	14	29.63	15.48	-2529.86
			Max. Torque	14		1.97	
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.56	0.64	3.43
			Max. Mx	20	-37.18	2501.81	-22.63
			Max. My	14	-37.18	15.48	-2529.86
			Max. Vy	20	-29.13	2501.81	-22.63
			Max. Vx	14	29.63	15.48	-2529.86
			Max. Torque	14		1.97	
			Max Tension	1	0.00	0.00	0.00

Maximum Reactions

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	28 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	63.56	-0.00	0.00
	Max. H _x	21	27.89	29.11	-0.22
	Max. H _z	2	37.19	-0.14	29.31
	Max. M _x	2	2517.35	-0.14	29.31
	Max. M _z	8	2496.36	-29.06	0.07
	Max. Torsion	14	1.97	0.14	-29.61
	Min. Vert	23	27.89	22.81	13.39
	Min. H _x	8	37.19	-29.06	0.07
	Min. H _z	14	37.19	0.14	-29.61
	Min. M _x	14	-2529.86	0.14	-29.61
	Min. M _z	20	-2501.81	29.11	-0.22
	Min. Torsion	24	-1.94	13.66	24.27

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	30.99	0.00	0.00	-0.69	-0.11	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	37.19	0.14	-29.31	-2517.35	-15.13	1.82
0.9 Dead+1.0 Wind 0 deg - No Ice	27.89	0.14	-29.31	-2492.19	-14.93	1.81
1.2 Dead+1.0 Wind 30 deg - No Ice	37.19	14.62	-25.66	-2228.98	-1271.34	1.16
0.9 Dead+1.0 Wind 30 deg - No Ice	27.89	14.62	-25.66	-2206.73	-1258.68	1.16
1.2 Dead+1.0 Wind 60 deg - No Ice	37.19	24.86	-14.75	-1288.01	-2170.10	0.19
0.9 Dead+1.0 Wind 60 deg - No Ice	27.89	24.86	-14.75	-1275.03	-2148.43	0.20
1.2 Dead+1.0 Wind 90 deg - No Ice	37.19	29.06	-0.07	-9.82	-2496.36	-0.49
0.9 Dead+1.0 Wind 90 deg - No Ice	27.89	29.06	-0.07	-9.48	-2471.51	-0.47
1.2 Dead+1.0 Wind 120 deg - No Ice	37.19	22.87	13.38	1215.42	-2086.65	-1.63
0.9 Dead+1.0 Wind 120 deg - No Ice	27.89	22.87	13.38	1203.37	-2065.43	-1.61
1.2 Dead+1.0 Wind 150 deg - No Ice	37.19	13.64	24.28	2155.50	-1209.75	-1.85
0.9 Dead+1.0 Wind 150 deg - No Ice	27.89	13.64	24.28	2134.16	-1197.56	-1.84
1.2 Dead+1.0 Wind 180 deg - No Ice	37.19	-0.14	29.61	2529.86	15.48	-1.97
0.9 Dead+1.0 Wind 180 deg - No Ice	27.89	-0.14	29.61	2505.07	15.36	-1.96
1.2 Dead+1.0 Wind 210 deg - No Ice	37.19	-14.60	25.69	2232.34	1271.53	-1.49
0.9 Dead+1.0 Wind 210 deg - No Ice	27.89	-14.60	25.69	2210.50	1258.93	-1.49
1.2 Dead+1.0 Wind 240 deg - No Ice	37.19	-24.90	14.68	1282.81	2177.06	-0.38
0.9 Dead+1.0 Wind 240 deg - No Ice	27.89	-24.90	14.68	1270.29	2155.40	-0.39
1.2 Dead+1.0 Wind 270 deg - No Ice	37.19	-29.11	0.22	22.63	2501.81	0.23

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	29 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
No Ice						
0.9 Dead+1.0 Wind 270 deg - No Ice	27.89	-29.11	0.22	22.62	2476.99	0.21
1.2 Dead+1.0 Wind 300 deg - No Ice	37.19	-22.81	-13.39	-1217.60	2078.47	1.71
0.9 Dead+1.0 Wind 300 deg - No Ice	27.89	-22.81	-13.39	-1205.10	2057.40	1.69
1.2 Dead+1.0 Wind 330 deg - No Ice	37.19	-13.66	-24.27	-2155.11	1211.97	1.94
0.9 Dead+1.0 Wind 330 deg - No Ice	27.89	-13.66	-24.27	-2133.34	1199.83	1.92
1.2 Dead+1.0 Ice+1.0 Temp	63.56	0.00	-0.00	-3.43	0.64	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	63.56	0.03	-6.05	-562.12	-2.54	0.27
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	63.56	2.94	-5.15	-485.82	-275.07	0.09
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	63.56	5.02	-2.98	-283.71	-472.94	-0.13
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	63.56	6.01	-0.02	-5.66	-553.88	-0.25
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	63.56	4.69	2.74	265.90	-462.52	-0.40
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	63.56	2.80	4.97	472.43	-267.23	-0.36
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	63.56	-0.03	6.10	557.54	3.97	-0.30
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	63.56	-2.94	5.16	479.65	276.48	-0.14
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	63.56	-5.03	2.97	275.98	475.60	0.10
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	63.56	-6.01	0.04	1.20	556.24	0.20
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	63.56	-4.68	-2.74	-273.10	462.37	0.41
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	63.56	-2.80	-4.97	-479.16	269.00	0.38
Dead+Wind 0 deg - Service	30.99	0.03	-5.95	-508.64	-3.15	0.37
Dead+Wind 30 deg - Service	30.99	2.97	-5.21	-450.46	-256.71	0.24
Dead+Wind 60 deg - Service	30.99	5.04	-2.99	-260.52	-438.10	0.04
Dead+Wind 90 deg - Service	30.99	5.90	-0.01	-2.53	-503.94	-0.10
Dead+Wind 120 deg - Service	30.99	4.64	2.71	244.74	-421.20	-0.33
Dead+Wind 150 deg - Service	30.99	2.77	4.93	434.49	-244.25	-0.38
Dead+Wind 180 deg - Service	30.99	-0.03	6.01	510.08	3.02	-0.40
Dead+Wind 210 deg - Service	30.99	-2.96	5.21	450.05	256.55	-0.31
Dead+Wind 240 deg - Service	30.99	-5.05	2.98	258.38	439.31	-0.08
Dead+Wind 270 deg - Service	30.99	-5.91	0.04	4.02	504.85	0.04
Dead+Wind 300 deg - Service	30.99	-4.63	-2.72	-246.27	419.35	0.35
Dead+Wind 330 deg - Service	30.99	-2.77	-4.92	-435.50	244.50	0.40

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-30.99	0.00	0.00	30.99	0.00	0.000%
2	0.14	-37.19	-29.31	-0.14	37.19	29.31	0.000%
3	0.14	-27.89	-29.31	-0.14	27.89	29.31	0.000%
4	14.62	-37.19	-25.66	-14.62	37.19	25.66	0.000%

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	30 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
5	14.62	-27.89	-25.66	-14.62	27.89	25.66	0.000%
6	24.86	-37.19	-14.75	-24.86	37.19	14.75	0.000%
7	24.86	-27.89	-14.75	-24.86	27.89	14.75	0.000%
8	29.06	-37.19	-0.07	-29.06	37.19	0.07	0.000%
9	29.06	-27.89	-0.07	-29.06	27.89	0.07	0.000%
10	22.87	-37.19	13.38	-22.87	37.19	-13.38	0.000%
11	22.87	-27.89	13.38	-22.87	27.89	-13.38	0.000%
12	13.64	-37.19	24.28	-13.64	37.19	-24.28	0.000%
13	13.64	-27.89	24.28	-13.64	27.89	-24.28	0.000%
14	-0.14	-37.19	29.61	0.14	37.19	-29.61	0.000%
15	-0.14	-27.89	29.61	0.14	27.89	-29.61	0.000%
16	-14.60	-37.19	25.69	14.60	37.19	-25.69	0.000%
17	-14.60	-27.89	25.69	14.60	27.89	-25.69	0.000%
18	-24.90	-37.19	14.68	24.90	37.19	-14.68	0.000%
19	-24.90	-27.89	14.68	24.90	27.89	-14.68	0.000%
20	-29.11	-37.19	0.22	29.11	37.19	-0.22	0.000%
21	-29.11	-27.89	0.22	29.11	27.89	-0.22	0.000%
22	-22.81	-37.19	-13.39	22.81	37.19	13.39	0.000%
23	-22.81	-27.89	-13.39	22.81	27.89	13.39	0.000%
24	-13.66	-37.19	-24.27	13.66	37.19	24.27	0.000%
25	-13.66	-27.89	-24.27	13.66	27.89	24.27	0.000%
26	0.00	-63.56	0.00	-0.00	63.56	0.00	0.000%
27	0.03	-63.56	-6.05	-0.03	63.56	6.05	0.000%
28	2.94	-63.56	-5.15	-2.94	63.56	5.15	0.000%
29	5.02	-63.56	-2.98	-5.02	63.56	2.98	0.000%
30	6.01	-63.56	-0.02	-6.01	63.56	0.02	0.000%
31	4.69	-63.56	2.74	-4.69	63.56	-2.74	0.000%
32	2.80	-63.56	4.97	-2.80	63.56	-4.97	0.000%
33	-0.03	-63.56	6.10	0.03	63.56	-6.10	0.000%
34	-2.94	-63.56	5.16	2.94	63.56	-5.16	0.000%
35	-5.03	-63.56	2.97	5.03	63.56	-2.97	0.000%
36	-6.01	-63.56	0.04	6.01	63.56	-0.04	0.000%
37	-4.68	-63.56	-2.74	4.68	63.56	2.74	0.000%
38	-2.80	-63.56	-4.97	2.80	63.56	4.97	0.000%
39	0.03	-30.99	-5.95	-0.03	30.99	5.95	0.000%
40	2.97	-30.99	-5.21	-2.97	30.99	5.21	0.000%
41	5.04	-30.99	-2.99	-5.04	30.99	2.99	0.000%
42	5.90	-30.99	-0.01	-5.90	30.99	0.01	0.000%
43	4.64	-30.99	2.71	-4.64	30.99	-2.71	0.000%
44	2.77	-30.99	4.93	-2.77	30.99	-4.93	0.000%
45	-0.03	-30.99	6.01	0.03	30.99	-6.01	0.000%
46	-2.96	-30.99	5.21	2.96	30.99	-5.21	0.000%
47	-5.05	-30.99	2.98	5.05	30.99	-2.98	0.000%
48	-5.91	-30.99	0.04	5.91	30.99	-0.04	0.000%
49	-4.63	-30.99	-2.72	4.63	30.99	2.72	0.000%
50	-2.77	-30.99	-4.92	2.77	30.99	4.92	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00042883
3	Yes	5	0.00000001	0.00019173
4	Yes	6	0.00000001	0.00027528
5	Yes	6	0.00000001	0.00008395

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	31 of 38
	Project	23CLVZ-0004	Date	00:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

6	Yes	6	0.00000001	0.00026833
7	Yes	6	0.00000001	0.00008180
8	Yes	5	0.00000001	0.00024554
9	Yes	5	0.00000001	0.00010570
10	Yes	6	0.00000001	0.00024650
11	Yes	6	0.00000001	0.00007583
12	Yes	6	0.00000001	0.00026969
13	Yes	6	0.00000001	0.00008356
14	Yes	5	0.00000001	0.00029837
15	Yes	5	0.00000001	0.00013348
16	Yes	6	0.00000001	0.00026113
17	Yes	6	0.00000001	0.00007899
18	Yes	6	0.00000001	0.00026900
19	Yes	6	0.00000001	0.00008211
20	Yes	5	0.00000001	0.00009066
21	Yes	4	0.00000001	0.00083495
22	Yes	6	0.00000001	0.00026791
23	Yes	6	0.00000001	0.00008333
24	Yes	6	0.00000001	0.00024507
25	Yes	6	0.00000001	0.00007491
26	Yes	4	0.00000001	0.00028598
27	Yes	6	0.00000001	0.00048955
28	Yes	6	0.00000001	0.00053426
29	Yes	6	0.00000001	0.00053230
30	Yes	6	0.00000001	0.00048449
31	Yes	6	0.00000001	0.00051634
32	Yes	6	0.00000001	0.00051923
33	Yes	6	0.00000001	0.00048050
34	Yes	6	0.00000001	0.00052280
35	Yes	6	0.00000001	0.00052214
36	Yes	6	0.00000001	0.00048220
37	Yes	6	0.00000001	0.00052271
38	Yes	6	0.00000001	0.00052556
39	Yes	4	0.00000001	0.00049259
40	Yes	5	0.00000001	0.00007188
41	Yes	5	0.00000001	0.00006666
42	Yes	4	0.00000001	0.00039126
43	Yes	5	0.00000001	0.00005674
44	Yes	5	0.00000001	0.00007188
45	Yes	4	0.00000001	0.00048773
46	Yes	5	0.00000001	0.00006251
47	Yes	5	0.00000001	0.00006653
48	Yes	4	0.00000001	0.00035898
49	Yes	5	0.00000001	0.00007003
50	Yes	5	0.00000001	0.00005719

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	130 - 125	18.291	40	1.3645	0.0047
L2	125 - 120	16.864	40	1.3588	0.0045
L3	120 - 115	15.452	40	1.3348	0.0042
L4	115 - 110	14.074	40	1.2966	0.0040
L5	110 - 105	12.742	40	1.2451	0.0038
L6	105 - 100	11.470	40	1.1826	0.0036
L7	100 - 95	10.268	40	1.1119	0.0031
L8	95 - 89.92	9.144	40	1.0334	0.0027
L9	94 - 89	8.930	40	1.0166	0.0026

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	32 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L10	89 - 84	7.885	40	0.9731	0.0024
L11	84 - 79	6.903	40	0.9022	0.0021
L12	79 - 74	5.997	40	0.8280	0.0018
L13	74 - 69	5.170	40	0.7516	0.0015
L14	69 - 64	4.423	40	0.6739	0.0012
L15	64 - 60	3.758	40	0.5956	0.0010
L16	60 - 59.75	3.286	40	0.5329	0.0008
L17	59.75 - 54.75	3.258	40	0.5308	0.0008
L18	54.75 - 44.83	2.724	40	0.4883	0.0007
L19	50 - 43.83	2.259	40	0.4472	0.0006
L20	43.83 - 40	1.698	40	0.4175	0.0006
L21	40 - 39.75	1.376	40	0.3862	0.0005
L22	39.75 - 34.75	1.356	40	0.3829	0.0005
L23	34.75 - 29.75	0.989	40	0.3173	0.0004
L24	29.75 - 24.75	0.691	40	0.2526	0.0003
L25	24.75 - 22.5	0.459	40	0.1890	0.0002
L26	22.5 - 22.25	0.377	40	0.1607	0.0002
L27	22.25 - 17.25	0.369	40	0.1589	0.0002
L28	17.25 - 12.25	0.221	40	0.1228	0.0001
L29	12.25 - 7.25	0.112	40	0.0868	0.0001
L30	7.25 - 3.5	0.039	40	0.0514	0.0001
L31	3.5 - 3.25	0.009	40	0.0248	0.0000
L32	3.25 - 3	0.008	40	0.0231	0.0000
L33	3 - 2.75	0.007	40	0.0218	0.0000
L34	2.75 - 0	0.006	40	0.0200	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.00	PD440-140	40	18.291	1.3645	0.0047	19142
128.00	(2) JAHH-65B-R3B w/ Mount Pipe	40	17.719	1.3636	0.0046	19142
116.00	APXVSP18-C-A20 w/ Mount Pipe	40	14.346	1.3053	0.0040	6786
106.00	VHLP3-11W-6WH/A	40	11.719	1.1958	0.0036	4395
99.00	BA4040-41-DIN	40	10.037	1.0971	0.0031	3757
87.00	VHLP3-11W-6WH/A	40	7.484	0.9489	0.0023	4317
85.00	VHLP3-11W-6WH/A	40	7.093	0.9181	0.0022	4033
59.00	8 Element Yagi	40	3.175	0.5247	0.0008	5286
57.00	2' Omni Antenna	40	2.959	0.5081	0.0007	6155
50.00	GPS	40	2.259	0.4472	0.0006	9197

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	130 - 125	90.413	16	6.7408	0.0246
L2	125 - 120	83.397	16	6.7162	0.0235
L3	120 - 115	76.449	16	6.6013	0.0222
L4	115 - 110	69.655	16	6.4156	0.0209
L5	110 - 105	63.086	16	6.1643	0.0198

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	33 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L6	105 - 100	56.807	16	5.8585	0.0185
L7	100 - 95	50.868	16	5.5116	0.0162
L8	95 - 89.92	45.308	16	5.1250	0.0137
L9	94 - 89	44.246	16	5.0421	0.0132
L10	89 - 84	39.075	16	4.8270	0.0121
L11	84 - 79	34.212	16	4.4753	0.0105
L12	79 - 74	29.725	16	4.1074	0.0088
L13	74 - 69	25.626	16	3.7285	0.0073
L14	69 - 64	21.927	16	3.3430	0.0060
L15	64 - 60	18.633	16	2.9545	0.0048
L16	60 - 59.75	16.290	16	2.6433	0.0040
L17	59.75 - 54.75	16.152	16	2.6329	0.0039
L18	54.75 - 44.83	13.506	16	2.4217	0.0034
L19	50 - 43.83	11.200	16	2.2180	0.0030
L20	43.83 - 40	8.418	16	2.0709	0.0027
L21	40 - 39.75	6.820	16	1.9154	0.0025
L22	39.75 - 34.75	6.720	16	1.8990	0.0024
L23	34.75 - 29.75	4.903	16	1.5735	0.0019
L24	29.75 - 24.75	3.424	16	1.2527	0.0015
L25	24.75 - 22.5	2.278	16	0.9370	0.0011
L26	22.5 - 22.25	1.869	16	0.7967	0.0009
L27	22.25 - 17.25	1.828	16	0.7879	0.0009
L28	17.25 - 12.25	1.097	16	0.6090	0.0006
L29	12.25 - 7.25	0.553	16	0.4302	0.0004
L30	7.25 - 3.5	0.194	16	0.2548	0.0003
L31	3.5 - 3.25	0.046	16	0.1230	0.0001
L32	3.25 - 3	0.040	16	0.1143	0.0001
L33	3 - 2.75	0.034	16	0.1079	0.0001
L34	2.75 - 0	0.028	16	0.0989	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.00	PD440-140	16	90.413	6.7408	0.0246	4253
128.00	(2) JAHH-65B-R3B w/ Mount Pipe	16	87.603	6.7377	0.0242	4253
116.00	APXVSPP18-C-A20 w/ Mount Pipe	16	70.998	6.4581	0.0212	1422
106.00	VHLP3-11W-6WH/A	16	58.037	5.9234	0.0188	908
99.00	BA4040-41-DIN	16	49.723	5.4390	0.0157	774
87.00	VHLP3-11W-6WH/A	16	37.088	4.7069	0.0115	884
85.00	VHLP3-11W-6WH/A	16	35.156	4.5543	0.0109	825
59.00	8 Element Yagi	16	15.741	2.6026	0.0039	1070
57.00	2' Omni Antenna	16	14.669	2.5201	0.0037	1246
50.00	GPS	16	11.200	2.2180	0.0030	1860

Compression Checks

Pole Design Data

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	34 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L1	130 - 125 (1)	TP17.3603x16.26x0.22	5.00	0.00	0.0	12.1422	-4.49	710.32	0.006
L2	125 - 120 (2)	TP18.4606x17.3603x0.22	5.00	0.00	0.0	12.9216	-4.77	755.92	0.006
L3	120 - 115 (3)	TP19.5609x18.4606x0.22	5.00	0.00	0.0	13.7011	-7.01	801.51	0.009
L4	115 - 110 (4)	TP20.6612x19.5609x0.22	5.00	0.00	0.0	14.4805	-7.38	847.11	0.009
L5	110 - 105 (5)	TP21.7615x20.6612x0.22	5.00	0.00	0.0	15.2600	-7.86	892.71	0.009
L6	105 - 100 (6)	TP22.8618x21.7615x0.22	5.00	0.00	0.0	16.0394	-8.30	938.31	0.009
L7	100 - 95 (7)	TP23.9621x22.8618x0.22	5.00	0.00	0.0	16.8189	-11.38	983.91	0.012
L8	95 - 89.92 (8)	TP25.08x23.9621x0.22	5.08	0.00	0.0	16.9748	-11.49	993.02	0.012
L9	89.92 - 89 (9)	TP24.8422x23.7422x0.31	5.00	0.00	0.0	24.4880	-12.41	1432.55	0.009
L10	89 - 84 (10)	TP25.9422x24.8422x0.31	5.00	0.00	0.0	25.5861	-13.38	1496.79	0.009
L11	84 - 79 (11)	TP27.0423x25.9422x0.31	5.00	0.00	0.0	26.6842	-14.13	1561.02	0.009
L12	79 - 74 (12)	TP28.1423x27.0423x0.31	5.00	0.00	0.0	27.7822	-14.92	1625.26	0.009
L13	74 - 69 (13)	TP29.2424x28.1423x0.31	5.00	0.00	0.0	28.8803	-15.73	1689.50	0.009
L14	69 - 64 (14)	TP30.3424x29.2424x0.31	5.00	0.00	0.0	29.9784	-16.58	1753.73	0.009
L15	64 - 60 (15)	TP31.2225x30.3424x0.31	4.00	0.00	0.0	30.8568	-17.28	1805.12	0.010
L16	60 - 59.75 (16)	TP31.2775x31.2225x0.5975	0.25	0.00	0.0	59.0267	-17.35	3453.06	0.005
L17	59.75 - 54.75 (17)	TP32.3775x31.2775x0.585	5.00	0.00	0.0	59.8876	-18.87	3503.42	0.005
L18	54.75 - 44.83 (18)	TP34.56x32.3775x0.5725	9.92	0.00	0.0	60.5574	-20.17	3542.61	0.006
L19	44.83 - 43.83 (19)	TP34.1596x32.8026x0.6425	6.17	0.00	0.0	69.3419	-23.34	4056.50	0.006
L20	43.83 - 40 (20)	TP35.002x34.1596x0.63	3.83	0.00	0.0	69.7271	-24.53	4079.04	0.006
L21	40 - 39.75 (21)	TP35.057x35.002x0.38	0.25	0.00	0.0	42.4308	-24.60	2482.20	0.010
L22	39.75 - 34.75 (22)	TP36.1568x35.057x0.38	5.00	0.00	0.0	43.7765	-25.73	2560.92	0.010
L23	34.75 - 29.75 (23)	TP37.2565x36.1568x0.38	5.00	0.00	0.0	45.1221	-26.91	2639.64	0.010
L24	29.75 - 24.75 (24)	TP38.3563x37.2565x0.38	5.00	0.00	0.0	46.4678	-28.12	2718.36	0.010
L25	24.75 - 22.5 (25)	TP38.8511x38.3563x0.38	2.25	0.00	0.0	47.0733	-28.68	2753.79	0.010
L26	22.5 - 22.25 (26)	TP38.9061x38.8511x0.68	0.25	0.00	0.0	83.7000	-28.78	4896.45	0.006
L27	22.25 - 17.25 (27)	TP40.0059x38.9061x0.6675	5.00	0.00	0.0	84.5519	-30.62	4946.29	0.006
L28	17.25 - 12.25 (28)	TP41.1056x40.0059x0.655	5.00	0.00	0.0	85.3144	-32.50	4990.89	0.007
L29	12.25 - 7.25 (29)	TP42.2054x41.1056x0.655	5.00	0.00	0.0	87.6339	-34.41	5126.58	0.007
L30	7.25 - 3.5 (30)	TP43.0302x42.2054x0.6425	3.75	0.00	0.0	87.6937	-35.87	5130.08	0.007
L31	3.5 - 3.25 (31)	TP43.0852x43.0302x0.6425	0.25	0.00	0.0	87.8075	-35.97	5136.74	0.007
L32	3.25 - 3 (32)	TP43.1402x43.0852x0.88	0.25	0.00	0.0	119.748	-36.10	7005.28	0.005
L33	3 - 2.75 (33)	TP43.1951x43.1402x0.6175	0.25	0.00	0.0	84.6592	-36.19	4952.57	0.007
L34	2.75 - 0 (34)	TP43.8x43.1951x0.6175	2.75	0.00	0.0	85.8619	-37.18	5022.92	0.007

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio M _{ux} / φM _{ux}	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio M _{uy} / φM _{uy}
L1	130 - 125 (1)	TP17.3603x16.26x0.22	22.69	311.01	0.073	0.00	311.01	0.000
L2	125 - 120 (2)	TP18.4606x17.3603x0.22	59.47	351.42	0.169	0.00	351.42	0.000
L3	120 - 115 (3)	TP19.5609x18.4606x0.22	100.72	388.28	0.259	0.00	388.28	0.000
L4	115 - 110 (4)	TP20.6612x19.5609x0.22	154.28	426.06	0.362	0.00	426.06	0.000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	35 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M_{uy} kip-ft	ϕM_{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
L5	110 - 105 (5)	TP21.7615x20.6612x0.22	210.26	464.63	0.453	0.00	464.63	0.000
L6	105 - 100 (6)	TP22.8618x21.7615x0.22	269.64	503.85	0.535	0.00	503.85	0.000
L7	100 - 95 (7)	TP23.9621x22.8618x0.22	350.16	543.56	0.644	0.00	543.56	0.000
L8	95 - 89.92 (8)	TP25.08x23.9621x0.22	367.02	551.56	0.665	0.00	551.56	0.000
L9	89.92 - 89 (9)	TP24.8422x23.7422x0.31	453.06	897.92	0.505	0.00	897.92	0.000
L10	89 - 84 (10)	TP25.9422x24.8422x0.31	543.93	978.58	0.556	0.00	978.58	0.000
L11	84 - 79 (11)	TP27.0423x25.9422x0.31	640.45	1051.38	0.609	0.00	1051.38	0.000
L12	79 - 74 (12)	TP28.1423x27.0423x0.31	739.33	1125.54	0.657	0.00	1125.54	0.000
L13	74 - 69 (13)	TP29.2424x28.1423x0.31	840.54	1200.93	0.700	0.00	1200.93	0.000
L14	69 - 64 (14)	TP30.3424x29.2424x0.31	944.03	1277.42	0.739	0.00	1277.42	0.000
L15	64 - 60 (15)	TP31.2225x30.3424x0.31	1028.76	1339.28	0.768	0.00	1339.28	0.000
L16	60 - 59.75 (16)	TP31.2775x31.2225x0.5975	1034.13	2688.61	0.385	0.00	2688.61	0.000
L17	59.75 - 54.75 (17)	TP32.3775x31.2775x0.585	1144.41	2829.72	0.404	0.00	2829.72	0.000
L18	54.75 - 44.83 (18)	TP34.56x32.3775x0.5725	1252.92	2959.38	0.423	0.00	2959.38	0.000
L19	44.83 - 43.83 (19)	TP34.1596x32.8026x0.6425	1399.68	3451.58	0.406	0.00	3451.58	0.000
L20	43.83 - 40 (20)	TP35.002x34.1596x0.63	1493.73	3562.22	0.419	0.00	3562.22	0.000
L21	40 - 39.75 (21)	TP35.057x35.002x0.38	1499.94	2130.54	0.704	0.00	2130.54	0.000
L22	39.75 - 34.75 (22)	TP36.1568x35.057x0.38	1625.35	2244.35	0.724	0.00	2244.35	0.000
L23	34.75 - 29.75 (23)	TP37.2565x36.1568x0.38	1752.74	2359.45	0.743	0.00	2359.45	0.000
L24	29.75 - 24.75 (24)	TP38.3563x37.2565x0.38	1881.93	2475.70	0.760	0.00	2475.70	0.000
L25	24.75 - 22.5 (25)	TP38.8511x38.3563x0.38	1940.79	2528.36	0.768	0.00	2528.36	0.000
L26	22.5 - 22.25 (26)	TP38.9061x38.8511x0.68	1947.38	4758.05	0.409	0.00	4758.05	0.000
L27	22.25 - 17.25 (27)	TP40.0059x38.9061x0.6675	2080.87	4950.33	0.420	0.00	4950.33	0.000
L28	17.25 - 12.25 (28)	TP41.1056x40.0059x0.655	2217.93	5140.12	0.431	0.00	5140.12	0.000
L29	12.25 - 7.25 (29)	TP42.2054x41.1056x0.655	2358.62	5425.70	0.435	0.00	5425.70	0.000
L30	7.25 - 3.5 (30)	TP43.0302x42.2054x0.6425	2466.52	5542.13	0.445	0.00	5542.13	0.000
L31	3.5 - 3.25 (31)	TP43.0852x43.0302x0.6425	2473.78	5556.62	0.445	0.00	5556.62	0.000
L32	3.25 - 3 (32)	TP43.1402x43.0852x0.88	2481.06	7503.28	0.331	0.00	7503.28	0.000
L33	3 - 2.75 (33)	TP43.1951x43.1402x0.6175	2488.34	5377.79	0.463	0.00	5377.79	0.000
L34	2.75 - 0 (34)	TP43.8x43.1951x0.6175	2569.07	5532.78	0.464	0.00	5532.78	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	130 - 125 (1)	TP17.3603x16.26x0.22	7.17	213.10	0.034	0.24	321.29	0.001
L2	125 - 120 (2)	TP18.4606x17.3603x0.22	7.55	226.78	0.033	0.49	363.86	0.001
L3	120 - 115 (3)	TP19.5609x18.4606x0.22	10.54	240.45	0.044	0.49	409.08	0.001
L4	115 - 110 (4)	TP20.6612x19.5609x0.22	10.89	254.13	0.043	0.49	456.95	0.001
L5	110 - 105 (5)	TP21.7615x20.6612x0.22	11.70	267.81	0.044	0.41	507.47	0.001
L6	105 - 100 (6)	TP22.8618x21.7615x0.22	12.06	281.49	0.043	0.41	560.63	0.001
L7	100 - 95 (7)	TP23.9621x22.8618x0.22	16.83	295.17	0.057	0.32	616.44	0.001
L8	95 - 89.92 (8)	TP25.08x23.9621x0.22	16.91	297.91	0.057	0.32	627.92	0.001
L9	89.92 - 89 (9)	TP24.8422x23.7422x0.31	17.52	429.76	0.041	0.46	927.40	0.000

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	36 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L10	89 - 84 (10)	TP25.9422x24.8422x0.31	19.08	449.04	0.042	1.59	1012.43	0.002
L11	84 - 79 (11)	TP27.0423x25.9422x0.31	19.55	468.31	0.042	1.59	1101.20	0.001
L12	79 - 74 (12)	TP28.1423x27.0423x0.31	20.02	487.58	0.041	1.59	1193.70	0.001
L13	74 - 69 (13)	TP29.2424x28.1423x0.31	20.48	506.85	0.040	1.59	1289.92	0.001
L14	69 - 64 (14)	TP30.3424x29.2424x0.31	20.94	526.12	0.040	1.59	1389.88	0.001
L15	64 - 60 (15)	TP31.2225x30.3424x0.31	21.45	541.54	0.040	1.61	1472.53	0.001
L16	60 - 59.75 (16)	TP31.2775x31.2225x0.5975	21.48	1035.92	0.021	1.61	2795.63	0.001
L17	59.75 - 54.75 (17)	TP32.3775x31.2775x0.585	22.50	1051.03	0.021	1.27	2939.26	0.000
L18	54.75 - 44.83 (18)	TP34.56x32.3775x0.5725	23.20	1062.78	0.022	1.32	3071.01	0.000
L19	44.83 - 43.83 (19)	TP34.1596x32.8026x0.6425	24.29	1216.95	0.020	1.15	3587.90	0.000
L20	43.83 - 40 (20)	TP35.002x34.1596x0.63	24.85	1223.71	0.020	1.18	3699.85	0.000
L21	40 - 39.75 (21)	TP35.057x35.002x0.38	24.87	744.66	0.033	1.19	2271.43	0.001
L22	39.75 - 34.75 (22)	TP36.1568x35.057x0.38	25.31	768.28	0.033	1.19	2417.79	0.000
L23	34.75 - 29.75 (23)	TP37.2565x36.1568x0.38	25.67	791.89	0.032	1.19	2568.72	0.000
L24	29.75 - 24.75 (24)	TP38.3563x37.2565x0.38	26.03	815.51	0.032	1.19	2724.21	0.000
L25	24.75 - 22.5 (25)	TP38.8511x38.3563x0.38	26.32	826.14	0.032	1.21	2795.68	0.000
L26	22.5 - 22.25 (26)	TP38.9061x38.8511x0.68	26.34	1468.93	0.018	1.21	4939.27	0.000
L27	22.25 - 17.25 (27)	TP40.0059x38.9061x0.6675	27.07	1483.89	0.018	1.27	5134.73	0.000
L28	17.25 - 12.25 (28)	TP41.1056x40.0059x0.655	27.78	1497.27	0.019	1.34	5327.52	0.000
L29	12.25 - 7.25 (29)	TP42.2054x41.1056x0.655	28.51	1537.97	0.019	1.40	5621.13	0.000
L30	7.25 - 3.5 (30)	TP43.0302x42.2054x0.6425	29.06	1539.03	0.019	1.45	5738.32	0.000
L31	3.5 - 3.25 (31)	TP43.0852x43.0302x0.6425	29.09	1541.02	0.019	1.45	5753.22	0.000
L32	3.25 - 3 (32)	TP43.1402x43.0852x0.88	29.12	2101.58	0.014	1.45	7812.27	0.000
L33	3 - 2.75 (33)	TP43.1951x43.1402x0.6175	29.16	1485.77	0.020	1.46	5564.58	0.000
L34	2.75 - 0 (34)	TP43.8x43.1951x0.6175	29.57	1506.88	0.020	1.49	5723.81	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	130 - 125 (1)	0.006	0.073	0.000	0.034	0.001	0.080	1.000	4.8.2 ✓
L2	125 - 120 (2)	0.006	0.169	0.000	0.033	0.001	0.177	1.000	4.8.2 ✓
L3	120 - 115 (3)	0.009	0.259	0.000	0.044	0.001	0.270	1.000	4.8.2 ✓
L4	115 - 110 (4)	0.009	0.362	0.000	0.043	0.001	0.373	1.000	4.8.2 ✓
L5	110 - 105 (5)	0.009	0.453	0.000	0.044	0.001	0.463	1.000	4.8.2 ✓
L6	105 - 100 (6)	0.009	0.535	0.000	0.043	0.001	0.546	1.000	4.8.2 ✓

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	37 of 38
	Project	23CLVZ-0004	Date	09.11.47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L7	100 - 95 (7)	0.012	0.644	0.000	0.057	0.001	0.659	1.000	4.8.2 ✓
L8	95 - 89.92 (8)	0.012	0.665	0.000	0.057	0.001	0.680	1.000	4.8.2 ✓
L9	89.92 - 89 (9)	0.009	0.505	0.000	0.041	0.000	0.515	1.000	4.8.2 ✓
L10	89 - 84 (10)	0.009	0.556	0.000	0.042	0.002	0.567	1.000	4.8.2 ✓
L11	84 - 79 (11)	0.009	0.609	0.000	0.042	0.001	0.620	1.000	4.8.2 ✓
L12	79 - 74 (12)	0.009	0.657	0.000	0.041	0.001	0.668	1.000	4.8.2 ✓
L13	74 - 69 (13)	0.009	0.700	0.000	0.040	0.001	0.711	1.000	4.8.2 ✓
L14	69 - 64 (14)	0.009	0.739	0.000	0.040	0.001	0.750	1.000	4.8.2 ✓
L15	64 - 60 (15)	0.010	0.768	0.000	0.040	0.001	0.779	1.000	4.8.2 ✓
L16	60 - 59.75 (16)	0.005	0.385	0.000	0.021	0.001	0.390	1.000	4.8.2 ✓
L17	59.75 - 54.75 (17)	0.005	0.404	0.000	0.021	0.000	0.410	1.000	4.8.2 ✓
L18	54.75 - 44.83 (18)	0.006	0.423	0.000	0.022	0.000	0.430	1.000	4.8.2 ✓
L19	44.83 - 43.83 (19)	0.006	0.406	0.000	0.020	0.000	0.412	1.000	4.8.2 ✓
L20	43.83 - 40 (20)	0.006	0.419	0.000	0.020	0.000	0.426	1.000	4.8.2 ✓
L21	40 - 39.75 (21)	0.010	0.704	0.000	0.033	0.001	0.715	1.000	4.8.2 ✓
L22	39.75 - 34.75 (22)	0.010	0.724	0.000	0.033	0.000	0.735	1.000	4.8.2 ✓
L23	34.75 - 29.75 (23)	0.010	0.743	0.000	0.032	0.000	0.754	1.000	4.8.2 ✓
L24	29.75 - 24.75 (24)	0.010	0.760	0.000	0.032	0.000	0.772	1.000	4.8.2 ✓
L25	24.75 - 22.5 (25)	0.010	0.768	0.000	0.032	0.000	0.779	1.000	4.8.2 ✓
L26	22.5 - 22.25 (26)	0.006	0.409	0.000	0.018	0.000	0.415	1.000	4.8.2 ✓
L27	22.25 - 17.25 (27)	0.006	0.420	0.000	0.018	0.000	0.427	1.000	4.8.2 ✓
L28	17.25 - 12.25 (28)	0.007	0.431	0.000	0.019	0.000	0.438	1.000	4.8.2 ✓
L29	12.25 - 7.25 (29)	0.007	0.435	0.000	0.019	0.000	0.442	1.000	4.8.2 ✓
L30	7.25 - 3.5 (30)	0.007	0.445	0.000	0.019	0.000	0.452	1.000	4.8.2 ✓
L31	3.5 - 3.25 (31)	0.007	0.445	0.000	0.019	0.000	0.453	1.000	4.8.2 ✓
L32	3.25 - 3 (32)	0.005	0.331	0.000	0.014	0.000	0.336	1.000	4.8.2 ✓

tnxTower Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job	Ridgefield CT	Page	38 of 38
	Project	23CLVZ-0004	Date	09:11:47 09/19/23
	Client	Verizon Wireless	Designed by	jboegel

Section No.	Elevation ft	Ratio P_u ϕP_u	Ratio M_{ux} ϕM_{ux}	Ratio M_{uy} ϕM_{uy}	Ratio V_u ϕV_u	Ratio T_u ϕT_u	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L33	3 - 2.75 (33)	0.007	0.463	0.000	0.020	0.000	✓ 0.470	1.000	4.8.2 ✓
L34	2.75 - 0 (34)	0.007	0.464	0.000	0.020	0.000	✓ 0.472	1.000	4.8.2 ✓

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	130 - 125	Pole	TP17.3603x16.26x0.22	1	-4.49	710.32	8.0	Pass
L2	125 - 120	Pole	TP18.4606x17.3603x0.22	2	-4.77	755.92	17.7	Pass
L3	120 - 115	Pole	TP19.5609x18.4606x0.22	3	-7.01	801.51	27.0	Pass
L4	115 - 110	Pole	TP20.6612x19.5609x0.22	4	-7.38	847.11	37.3	Pass
L5	110 - 105	Pole	TP21.7615x20.6612x0.22	5	-7.86	892.71	46.3	Pass
L6	105 - 100	Pole	TP22.8618x21.7615x0.22	6	-8.30	938.31	54.6	Pass
L7	100 - 95	Pole	TP23.9621x22.8618x0.22	7	-11.38	983.91	65.9	Pass
L8	95 - 89.92	Pole	TP25.08x23.9621x0.22	8	-11.49	993.02	68.0	Pass
L9	89.92 - 89	Pole	TP24.8422x23.7422x0.31	9	-12.41	1432.55	51.5	Pass
L10	89 - 84	Pole	TP25.9422x24.8422x0.31	10	-13.38	1496.79	56.7	Pass
L11	84 - 79	Pole	TP27.0423x25.9422x0.31	11	-14.13	1561.02	62.0	Pass
L12	79 - 74	Pole	TP28.1423x27.0423x0.31	12	-14.92	1625.26	66.8	Pass
L13	74 - 69	Pole	TP29.2424x28.1423x0.31	13	-15.73	1689.50	71.1	Pass
L14	69 - 64	Pole	TP30.3424x29.2424x0.31	14	-16.58	1753.73	75.0	Pass
L15	64 - 60	Pole	TP31.2225x30.3424x0.31	15	-17.28	1805.12	77.9	Pass
L16	60 - 59.75	Pole	TP31.2775x31.2225x0.5975	16	-17.35	3453.06	39.0	Pass
L17	59.75 - 54.75	Pole	TP32.3775x31.2775x0.585	17	-18.87	3503.42	41.0	Pass
L18	54.75 - 44.83	Pole	TP34.56x32.3775x0.5725	18	-20.17	3542.61	43.0	Pass
L19	44.83 - 43.83	Pole	TP34.1596x32.8026x0.6425	19	-23.34	4056.50	41.2	Pass
L20	43.83 - 40	Pole	TP35.002x34.1596x0.63	20	-24.53	4079.04	42.6	Pass
L21	40 - 39.75	Pole	TP35.057x35.002x0.38	21	-24.60	2482.20	71.5	Pass
L22	39.75 - 34.75	Pole	TP36.1568x35.057x0.38	22	-25.73	2560.92	73.5	Pass
L23	34.75 - 29.75	Pole	TP37.2565x36.1568x0.38	23	-26.91	2639.64	75.4	Pass
L24	29.75 - 24.75	Pole	TP38.3563x37.2565x0.38	24	-28.12	2718.36	77.2	Pass
L25	24.75 - 22.5	Pole	TP38.8511x38.3563x0.38	25	-28.68	2753.79	77.9	Pass
L26	22.5 - 22.25	Pole	TP38.9061x38.8511x0.68	26	-28.78	4896.45	41.5	Pass
L27	22.25 - 17.25	Pole	TP40.0059x38.9061x0.6675	27	-30.62	4946.29	42.7	Pass
L28	17.25 - 12.25	Pole	TP41.1056x40.0059x0.655	28	-32.50	4990.89	43.8	Pass
L29	12.25 - 7.25	Pole	TP42.2054x41.1056x0.655	29	-34.41	5126.58	44.2	Pass
L30	7.25 - 3.5	Pole	TP43.0302x42.2054x0.6425	30	-35.87	5130.08	45.2	Pass
L31	3.5 - 3.25	Pole	TP43.0852x43.0302x0.6425	31	-35.97	5136.74	45.3	Pass
L32	3.25 - 3	Pole	TP43.1402x43.0852x0.88	32	-36.10	7005.28	33.6	Pass
L33	3 - 2.75	Pole	TP43.1951x43.1402x0.6175	33	-36.19	4952.57	47.0	Pass
L34	2.75 - 0	Pole	TP43.8x43.1951x0.6175	34	-37.18	5022.92	47.2	Pass
							Summary	
							Pole (L15)	77.9 Pass
							RATING =	77.9 Pass



Centerline Engineering Services, PA

750 W Center St, Suite 301

West Bridgewater, MA 02379

Tel: (781) 713-4725

Job: Ridgefield CT
Project: 23CLVZ-0004
Client: Verizon Wireless

Engineer: JLL
Date: 9/19/2023
Sheet: 1 of 1

Circular Base Plate and Anchor Rod Analysis (TIA-H)

Analysis Reactions and Information

Moment: 2569.00 ft-kips
Axial: 37.00 kips
Shear: 30.00 kips
Grout Considered: N/A
 I_{ar} : 0 in
Eta Factor, η : N/A

Anchor Rod Information

Quantity: 12
Diameter: 2.25 in
Bolt Grade: A615-75
Fy: 75 ksi
Fu: 100 ksi
Bolt Circle: 49.75 in

Tower Information

Diameter: 43.80 in
Thickness: 0.38 in
Pole Grade: A572-65
Fy: 65 ksi
Fu: 80 ksi
of Sides: Round

Base Plate Information

Diameter: 56.50 in
Thickness: 2.50 in
Plate Grade: A572-60
Fy: 60.00 ksi
Fu: 75.00 ksi

Capacity Results

Anchor Rod Results

Pu_c = 209.46 kips ϕPn_c = 243.75 kips
 Vu = 2.50 kips ϕVn = 73.13 kips
 Mu = N/A in-kips ϕMn = N/A in-kips

Anchor Rod Stress Ratio: 82.0%

Good

Base Plate Results

Base Plate Stress: 23.36 ksi
Allowable Plate Stress: 54 ksi
Base Plate Stress Ratio: 43.3%

Good



Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
Tel: (781) 713-4725

Job:	Ridgefield CT
Project:	23CLVZ-0004
Client:	Verizon Wireless

Engineer:	JLL
Date:	9/19/2023
Sheet:	1 of 1

Monopole Drilled Pier Analysis Summary (TIA-H)

Analysis Reactions

	Comp.	Uplift.	
Moment, M:	2,569.0	-	kip-ft
Axial, P:	37.0	-	kips
Shear, V:	30.0	-	kips

Material Properties

Rebar Strength, F _y :	60	ksi
Concrete Strength, f _c :	3.0	ksi
Dry Concrete Density, δ _c :	150	pcf

Pier Properties

Depth, D:	21.0	ft
Ext. Above Grade, E:	0.5	ft
Diameter, d:	6.0	ft
Rebar Quantity, R _q :	26	
Rebar Size, R _s :	11	
Clear Cover, cc:	3.00	in
Tie Size, T _s :	4	
Groundwater Depth, D _{gw} :	N/A	ft
Ultimate Gross End Bearing	5.9	ksf

Soil Properties

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	Soil Unit Weight (pcf)	Cohesion (ksf)	Friction Angle (deg)	Ult. Skin Friction - Comp (ksf)	Ult. Skin Friction - Uplift (ksf)	SPT Blow Count (N)
1	0.0	3.0	3.0	115	0.00	0	0.000	0.000	0
2	3.0	8.0	5.0	115	0.00	38	0.748	0.748	30
3	8.0	21.0	13.0	115	0.00	45	1.644	1.644	30

Foundation Analysis Results

Soil Lateral Capacity

	Comp.	Uplift
Dv=0 (ft):	5.96	-
Soil Safety Factor:	3.01	-
Max Moment (kip-ft):	2774.27	-
Rating:	42.0%	-

Reinforced Concrete Flexure Capacity

	Comp.	Uplift
Critical Depth (ft):	5.92	-
Critical Mom. (k-ft):	2774.26	-
Critical Mom. Cap.:	5190.38	-
Rating:	50.9%	-

Soil Vertical Capacity

	Comp.	Uplift.
Skin Friction (kips):	355.1	-
End Bearing (kips):	125.1	-
Wt. of Conc. (kips):	109.4	-
Total Cap. (kips):	480.2	-
Axial (kips):	146.4	-
Rating:	29.0%	-

Reinforced Concrete Shear Capacity

	Comp.	Uplift
Critical Depth (ft):	16.00	-
Critical Shear:	402.22	-
Critical Shear Cap.:	452.78	-
Rating:	84.6%	-

Soil Rating:	42.0%	GOOD
Structural Rating:	84.6%	GOOD



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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208083
Colliers Engineering & Design CT. P.C. Project #: 23777231

August 10, 2023

Site Information

Site ID: 5000386107-VZW / RIDGEFIELD CT
Site Name: RIDGEFIELD CT
Carrier Name: Verizon Wireless
Address: 76 East Ridge Ave
Ridgefield, Connecticut 06877
Fairfield County
Latitude: 41.280917°
Longitude: -73.492889°

Structure Information

Tower Type: 130-Ft Monopole
Mount Type: 12.83-Ft Platform

FUZE ID # 17123986

Analysis Results

Platform: 97.2% Pass*

***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: Selene Chen



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: 324770, dated March 4, 2021
Mount Mapping Report	Roaming Networks Inc., Site ID: 468697, dated April 2, 2021
Previous Mount Analysis Report	Maser Consulting Connecticut, Project #: 21777243, Dated June 25, 2021
Post-Modification Inspection Report	Maser Consulting Connecticut, Project #: 21777243, Dated November 3, 2022
Filter Add Scope	Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), 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 : 0.973
Seismic Parameters:	S_s : 0.243 g S_1 : 0.057 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, L_v : 250 lbs. Maintenance Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
125.50	128.00	6	Commscope	JAHH-65B-R3B	Retained
		3	Samsung	MT6407-77A	
		3	Antel	BXA-80080/4CF FP	
		3	Samsung	XXDWMM-12.5-65-8T-CBRS	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RRFDC-3315-PF-48	
		1	Generic	Unknown Dipole	
		4	KAelus	KA-6030	Added

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:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325

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
Standoff	27.7 %	Pass
Corner Plate	44.3 %	Pass
Face Horizontal Channel	28.2 %	Pass
Corner Pipe	27.3 %	Pass
Corner Pipe Plate	91.3 %	Pass
Face Horizontal Angles	97.2 %	Pass
Face Vertical	60.3 %	Pass
Platform Channel	13.8 %	Pass
Platform Angle	10.0 %	Pass
Kicker	20.0 %	Pass
Threaded Rod	42.8 %	Pass
Mount Pipe	20.3 %	Pass
Secondary Horizontal	29.3 %	Pass
V-Brace	5.8 %	Pass
Connection Check	32.3 %	Pass

Structure Rating – (Controlling Utilization of all Components)	97.2%
---	--------------

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	72.6	72.4	88.0	87.8
0.5	90.8	90.9	112.9	112.8
1	108.0	108.5	136.9	136.5

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount is **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

Contractor shall relocate position 3 radios above the support rail in the location shown in the placement diagrams.

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.

If required, ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other. 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 #: 5000386107

SMART Project #: 10208083

Fuze Project ID: 17123986

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 relocate position 3 radios above the support rail in the location shown in the placement diagrams.

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:	

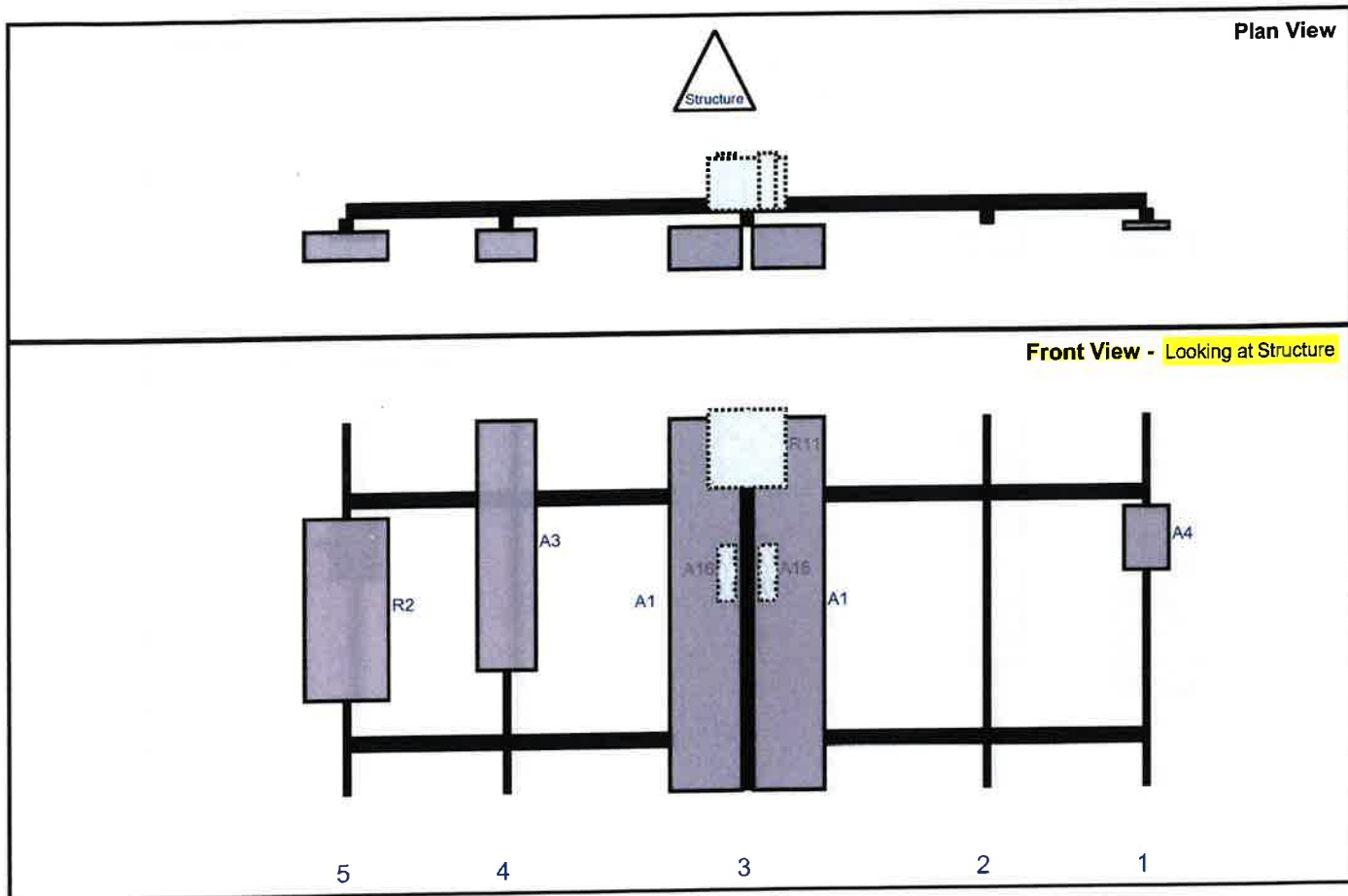
Sector: A

Structure Type: Monopole

10208083

Mount Elev: 125.50

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
A4	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	154	1	a	Front	24	0	Retained	10/21/2022
A1	JAHH-65B-R3B	72	13.8	77	3	a	Front	36	8	Retained	10/21/2022
A1	JAHH-65B-R3B	72	13.8	77	3	b	Front	36	-8	Retained	10/21/2022
R11	B2/B66A RRH-BR049	15	15	77	3	a	Behind	6	0	Retained	10/21/2022
A16	KA-6030	10.6	3.2	77	3	a	Behind	30	4	Added	
A16	KA-6030	10.6	3.2	77	3	b	Behind	30	-4	Added	
A3	BXA-80080/4CF FP	48.2	11.2	30.8	4	a	Front	24	0	Retained	10/21/2022
R2	MT6407-77A	35.1	16.1		5	a	Front	36	0	Retained	10/21/2022
M50	CBC78T-DS-43-2X	6.4	6.9		Member					Retained	10/21/2022
M41	B5/B13 RRH-BR04C	15	15		Member					Retained	10/21/2022
M188A	RRFDC-3315-PF-48	19.1	15.7		Member					Retained	10/21/2022
M51	CBC78T-DS-43	6.4	6.9		Member					Retained	10/21/2022
M200	CBC78T-DS-43	6.4	6.9		Member					Retained	10/21/2022
M49	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15		Member					Retained	10/21/2022
M45	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15		Member					Retained	10/21/2022

Structure: 5000386107-VZW - RIDGEFIELD CT

Sector: B

8/10/2023

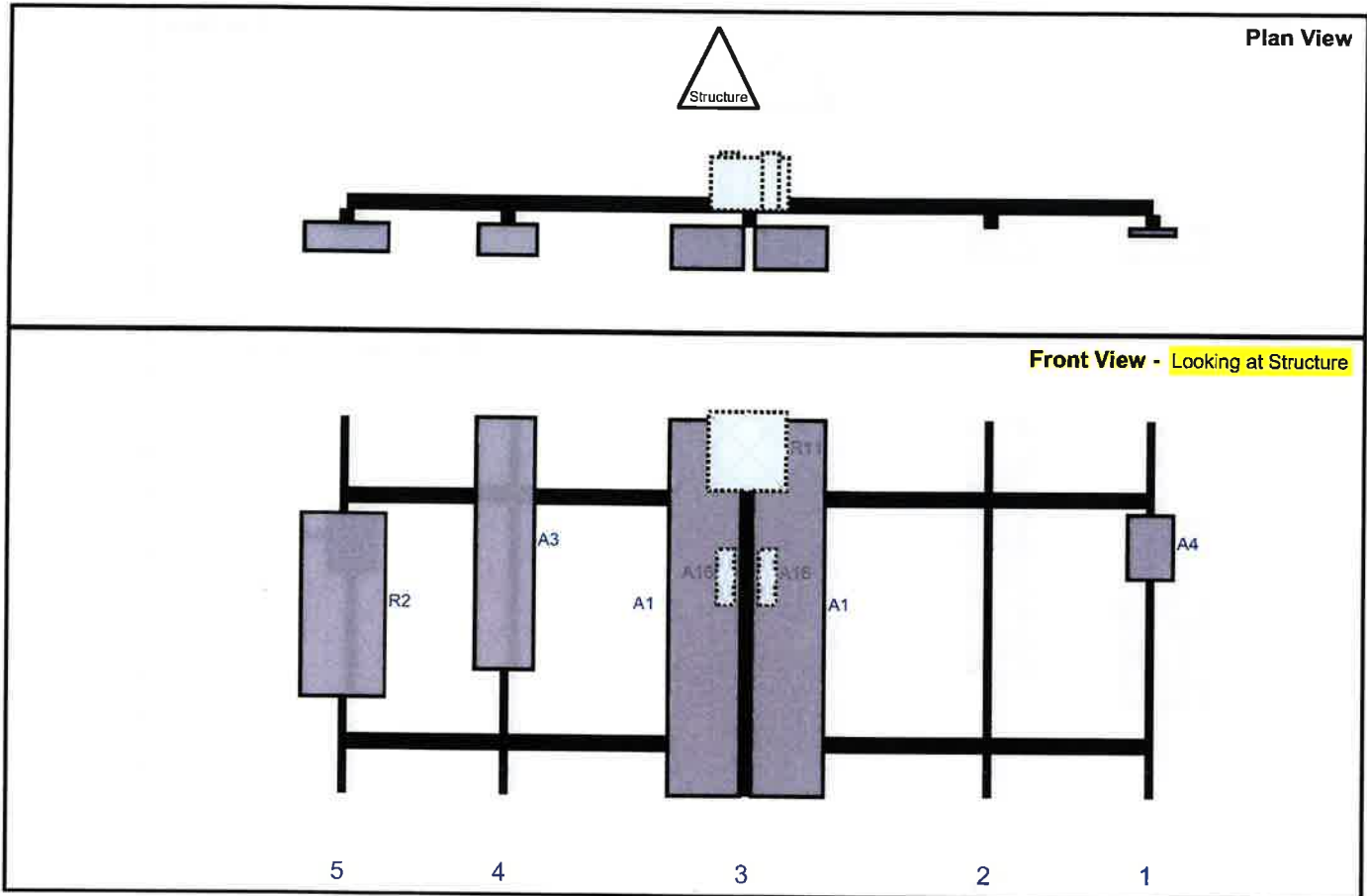
Structure Type: Monopole

10208083



Mount Elev: 125.50

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
A4	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	154	1	a	Front	24	0	Retained	10/21/2022
A1	JAHH-65B-R3B	72	13.8	77	3	a	Front	36	8	Retained	10/21/2022
A1	JAHH-65B-R3B	72	13.8	77	3	b	Front	36	-8	Retained	10/21/2022
R11	B2/B66A RRH-BR049	15	15	77	3	a	Behind	6	0	Retained	10/21/2022
A16	KA-6030	10.6	3.2	77	3	a	Behind	30	4	Added	
A16	KA-6030	10.6	3.2	77	3	b	Behind	30	-4	Added	
A3	BXA-80080/4CF FP	48.2	11.2	30.8	4	a	Front	24	0	Retained	10/21/2022
R2	MT6407-77A	35.1	16.1		5	a	Front	36	0	Retained	10/21/2022

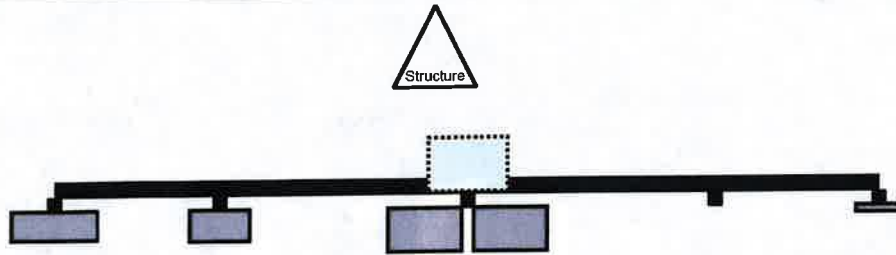
Sector: C

Structure Type: Monopole

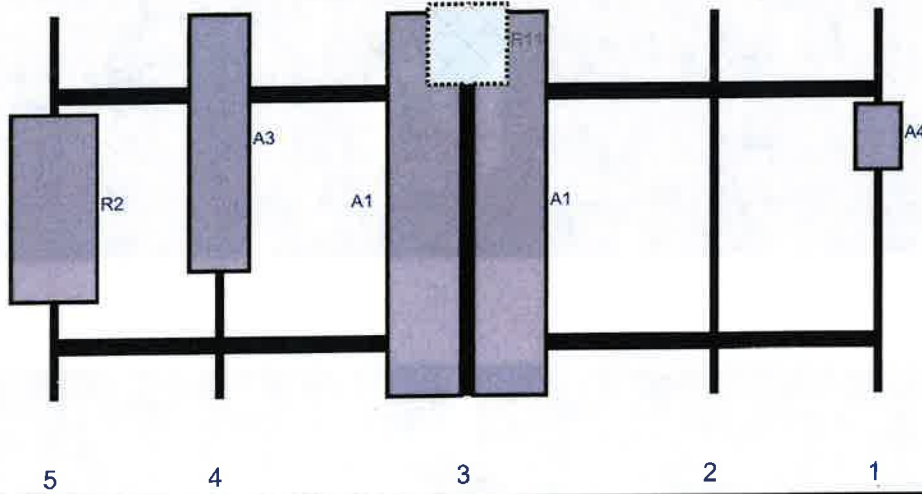
10208083

Mount Elev: 125.50

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
A4	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	154	1	a	Front	24	0	Retained	10/21/2022
A1	JAHH-65B-R3B	72	13.8	77	3	a	Front	36	8	Retained	10/21/2022
A1	JAHH-65B-R3B	72	13.8	77	3	b	Front	36	-8	Retained	10/21/2022
R11	B2/B66A RRH-BR049	15	15	77	3	a	Behind	6	0	Retained	10/21/2022
A3	BXA-80080/4CF FP	48.2	11.2	30.8	4	a	Front	24	0	Retained	10/21/2022
R2	MT6407-77A	35.1	16.1		5	a	Front	36	0	Retained	10/21/2022





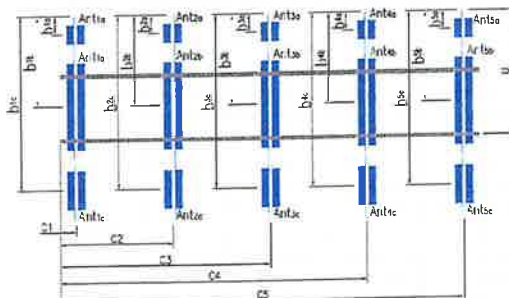
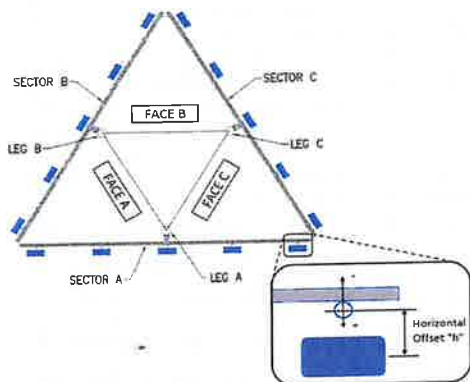
Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	Unknown
Site Name:	VZW: RIDGEFIELD CT
Site Number or ID:	468697
Mapping Contractor:	Roaming Networks Inc.

Mapping Date:	4.2.2021
Tower Type:	Monopole
Tower Height (Ft.):	N/A
Mount Elevation (Ft.):	129.92

Mapping Contractor:		Roaming Networks Inc.		Mount Elevation (ft.):	
<p>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.</p>					

Mount Pipe Configuration and Geometries (Unit = Inches)							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1				C1			
A2				C2			
A3				C3			
A4				C4			
A5				C5			
A6				C6			
B1				D1			
B2				D2			
B3				D3			
B4				D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
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.):				Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):			
				17.28			



Antenna Layout (Looking Out From Tower)

[illegible]

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

1		
2		
3		
4		
5		
6		
7		
8		

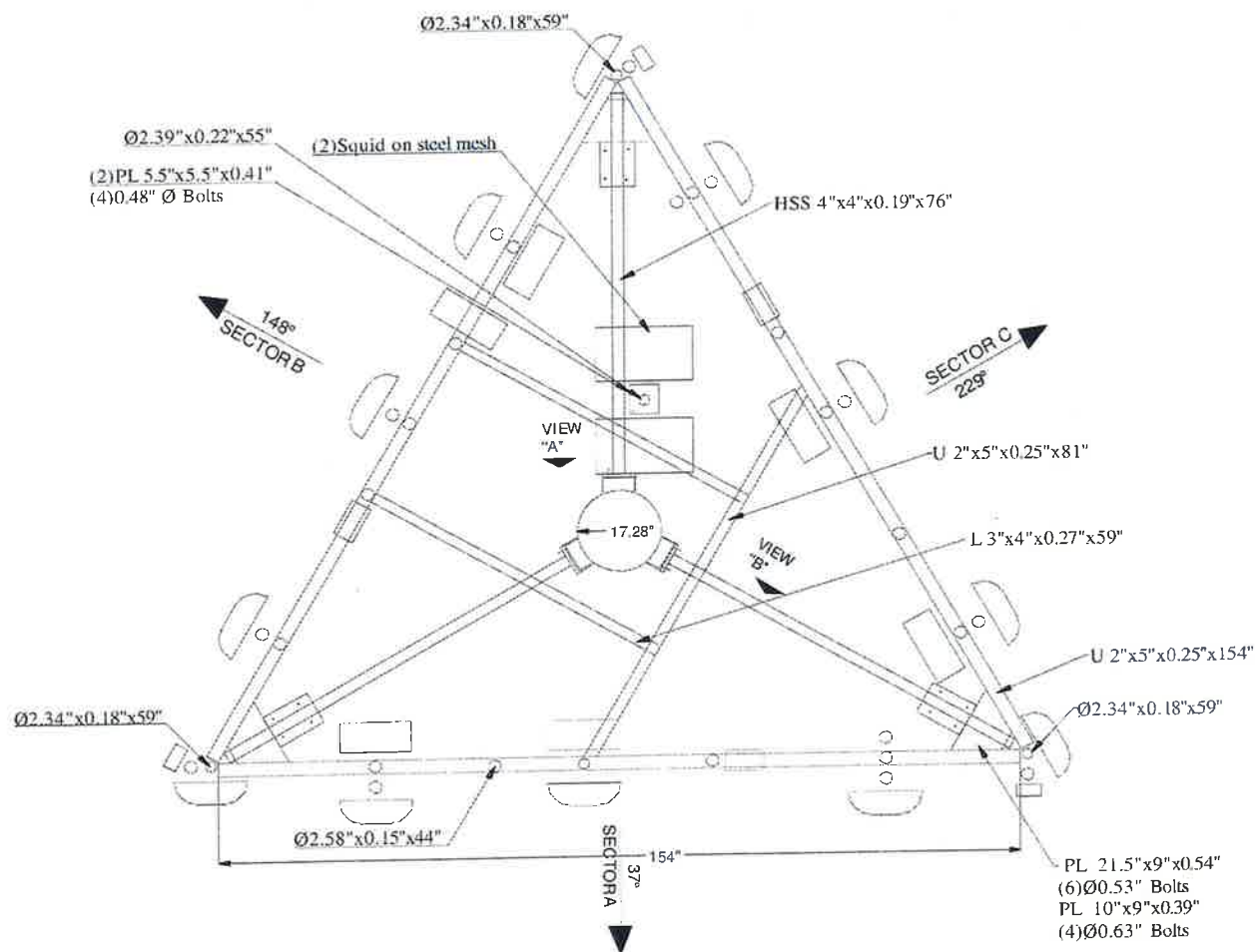
Mapping Notes	
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.) 2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use 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.	

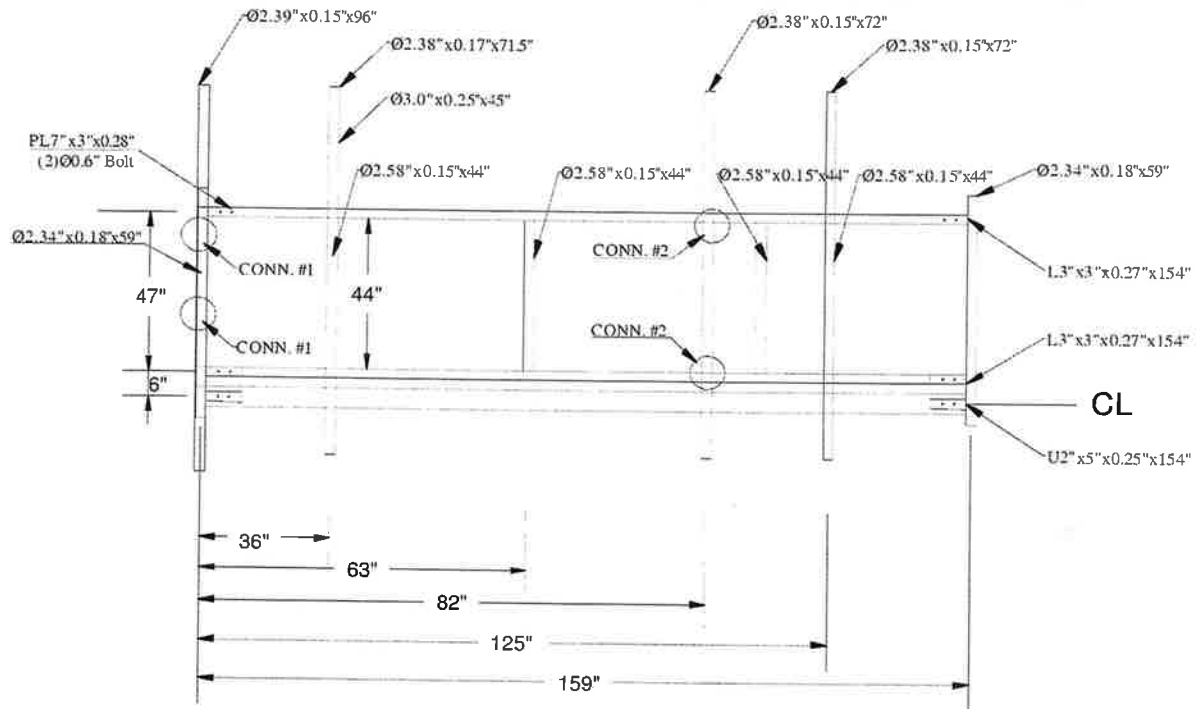
				Enter antenna model. If not labeled, enter "Unknown".				Mounting Locations (Units are inches and degrees)		Photos of antennas	
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Vertical Distance s" b _{1st} , b _{2nd} , b _{3rd} , b _{1b...} " (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
A1	PIPE 2.39"Ø x0.15"x96"	61.00	0.00	RT4401-48 A	11.40	5.50	16.20	37.5	10		11,12
A1											
A2	PIPE 2.38"Ø x0.17"x71.5"	62.50	36.00	QUAD656C0000G	20.50	7.20	74.40	34	7.5	37	13,14
A2											
A3	PIPE 2.58"Ø x0.15"x44"	45.50	63.00	CBC78T-DS-43-2X	6.93	9.65	6.38	27			4,5,6
A3											
A4	PIPE 2.38"Ø x0.15"x72"	62.00	82.00	SBNHH-1D85B	11.90	7.10	72.90	35	9	37	7,9
A4				RFV01U-D2A	10.30	15.88	15.49	36.5			8,10
A5	PIPE 2.38"Ø x0.15"x72"	62.50	125.00	SBNHH-1D85B	11.90	7.10	72.90	34.5	8.5	37	15,18
A5				RFV01U-D1A	10.30	15.88	15.49	36.5			16,17
A6	PIPE 2.34"Ø x0.18"x59"	50.00	159.00	BXA-80080-4CF-EDIN	8.00	5.90	47.50	29	11.5	37	19,20
A6											
A7	PIPE 3.0"Ø x0.25"x45"			Unknown							
A7											
A8											
A8											
B1	PIPE 2.39"Ø x0.15"x96"	61.00	0.00	RT4401-48 A	11.40	5.50	16.20	37.5	10		11,12
B1											
B2	PIPE 2.38"Ø x0.17"x71.5"	62.50	36.00	QUAD656C0000G	20.50	7.20	74.40	34	7.5	148	13,14
B2											
B3	PIPE 2.58"Ø x0.15"x44"	45.50	63.00	CBC78T-DS-43-2X	6.93	9.65	6.38	27			4,5,6
B3											
B4	PIPE 2.38"Ø x0.15"x72"	62.00	82.00	SBNHH-1D85B	11.90	7.10	72.90	35	9	148	7,9
B4											
B5	PIPE 2.58"Ø x0.15"x44"	45.50	92.00	RFV01U-D2A	10.30	15.88	15.49	36.5			362,363
B5											
B6	PIPE 2.38"Ø x0.15"x72"	62.50	125.00	SBNHH-1D85B	11.90	7.10	72.90	34.5	8.5	148	15,18
B6				RFV01U-D1A	10.30	15.88	15.49	36.5			16,17
B7	PIPE 2.34"Ø x0.18"x59"	50.00	159.00	BXA-80080-4CF-EDIN	8.00	5.90	47.50	29	11.5	148	19,20
B7											
A8											
A8											
C1	PIPE 2.39"Ø x0.15"x96"	61.00	0.00	RT4401-48 A	11.40	5.50	16.20	37.5	10		11,12
C1											
C2	PIPE 2.38"Ø x0.17"x71.5"	62.50	36.00	QUAD656C0000G	20.50	7.20	74.40	34	7.5	269	13,14
C2											
C3	PIPE 2.58"Ø x0.15"x44"	45.50	63.00	CBC78T-DS-43-2X	6.93	9.65	6.38	27			4,5,6
C3											
C4	PIPE 2.38"Ø x0.15"x72"	62.00	82.00	SBNHH-1D85B	11.90	7.10	72.90	35	9	269	7,9
C4				RFV01U-D2A	10.30	15.88	15.49	36.5			8,10
C5	PIPE 2.38"Ø x0.15"x72"	62.50	125.00	SBNHH-1D85B	11.90	7.10	72.90	34.5	8.5	269	15,18
C5				RFV01U-D1A	10.30	15.88	15.49	36.5			16,17
C6	PIPE 2.34"Ø x0.18"x59"	50.00	159.00	BXA-80080-4CF-EDIN	8.00	5.90	47.50	29	11.5	269	19,20
C6											
C7	PIPE 1.68"Ø x0.16"x45"			Unknown							
C5											
C5											
C6											
C6											
C7											
C7											

PAUL J. FORD
& COMPANY
Antenna Mount Mapping Form (PATENT PENDING)

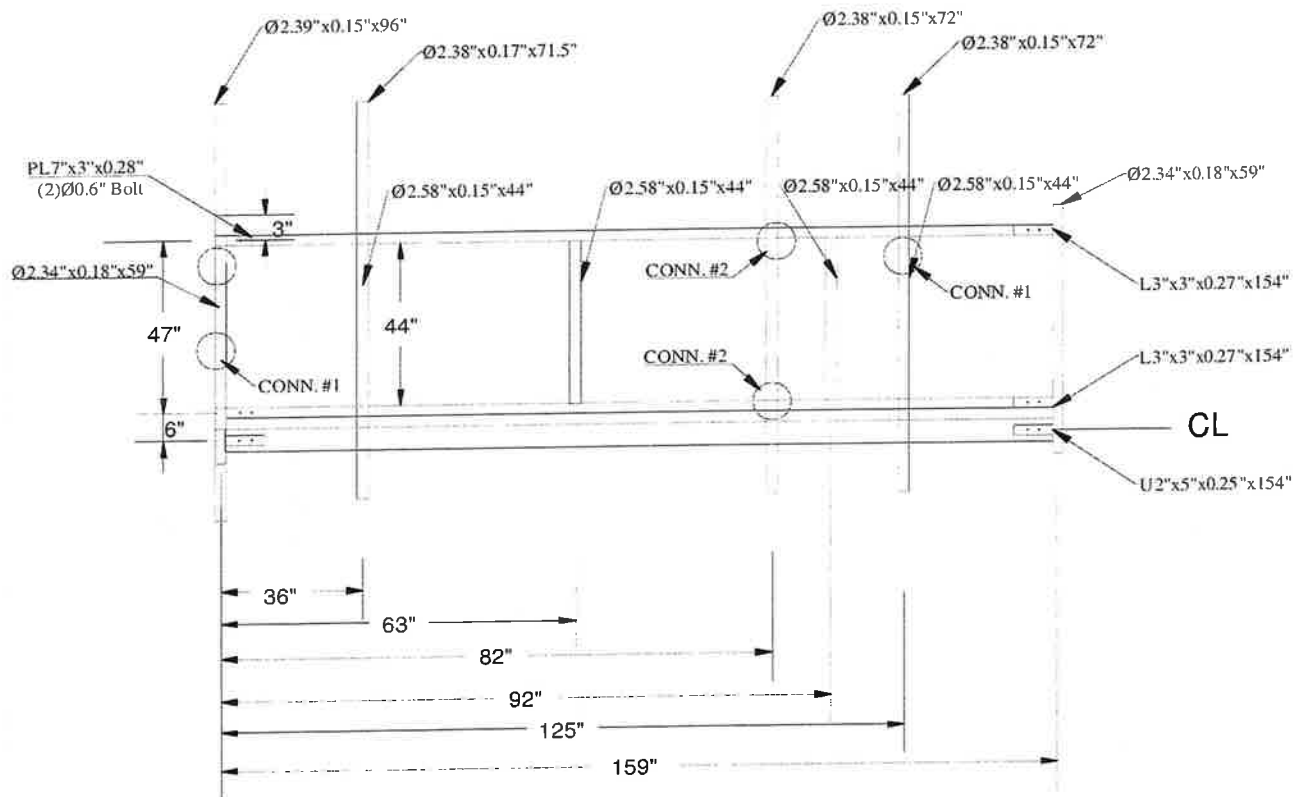
Tower Owner:	Unknown	Mapping Date:	4.2.2021
Site Name:	VZW; RIDGEFIELD CT	Tower Type:	Monopole
Site Number or ID:	468697	Tower Height (Ft.):	N/A
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	129.92

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.

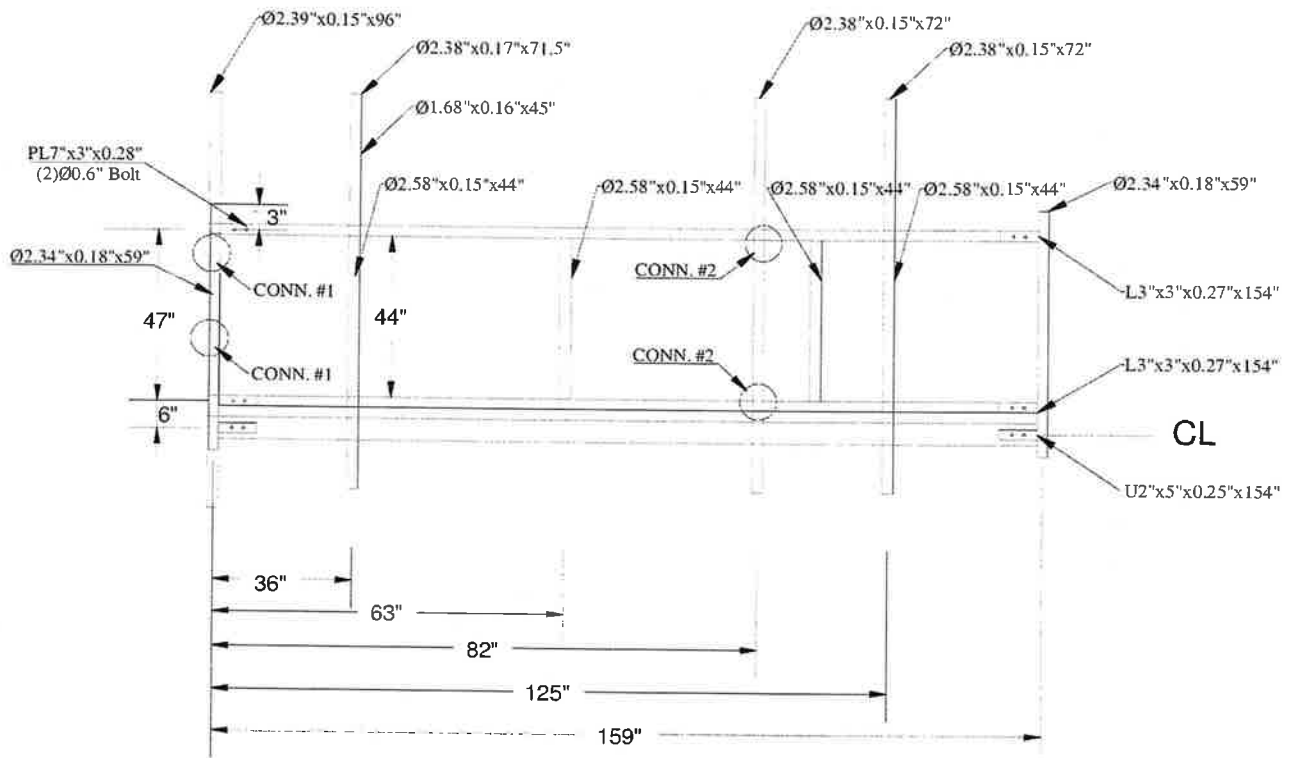
Please Insert Sketches of the Antenna Mount

Overall Mount Schematic



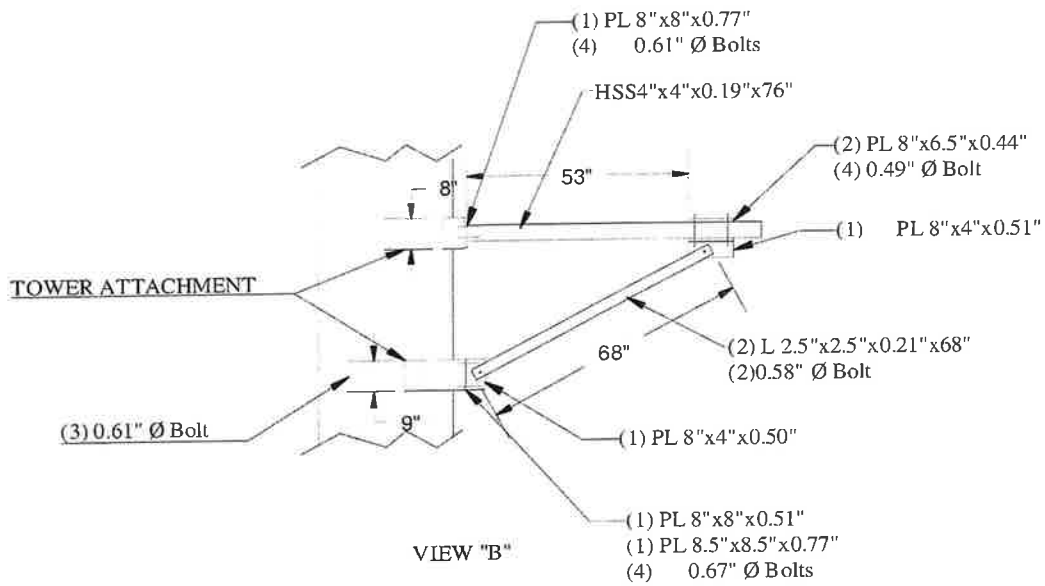
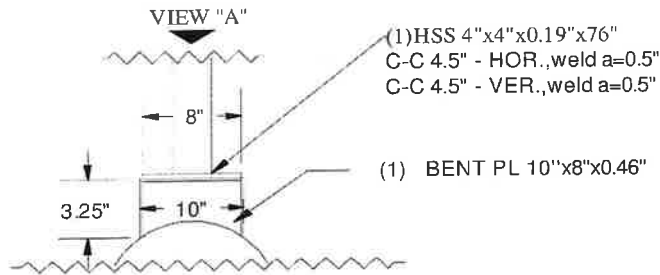
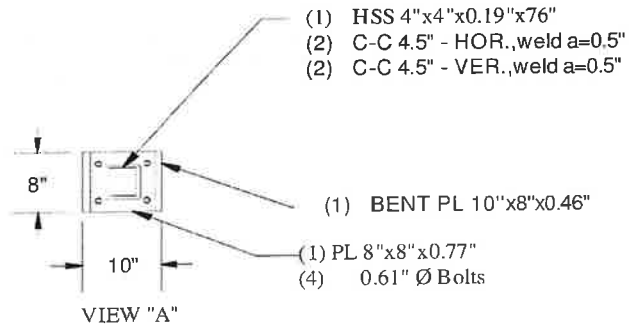
SECTOR A



SECTOR B



SECTOR C



PJF PAUL J. FORD
& COMPANY

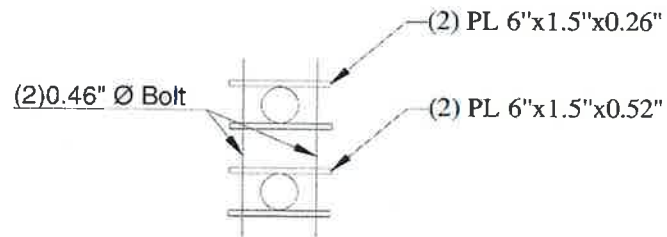
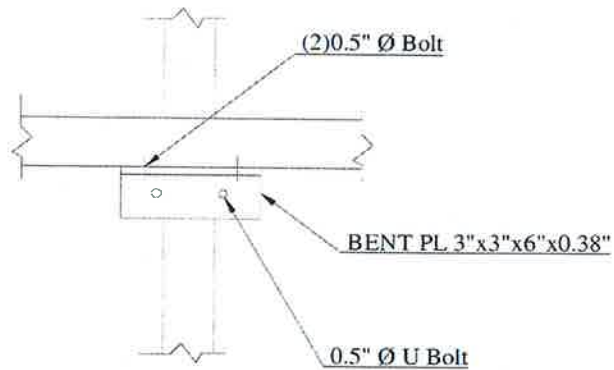
Antenna Mount Mapping Form (PATENT PENDING)

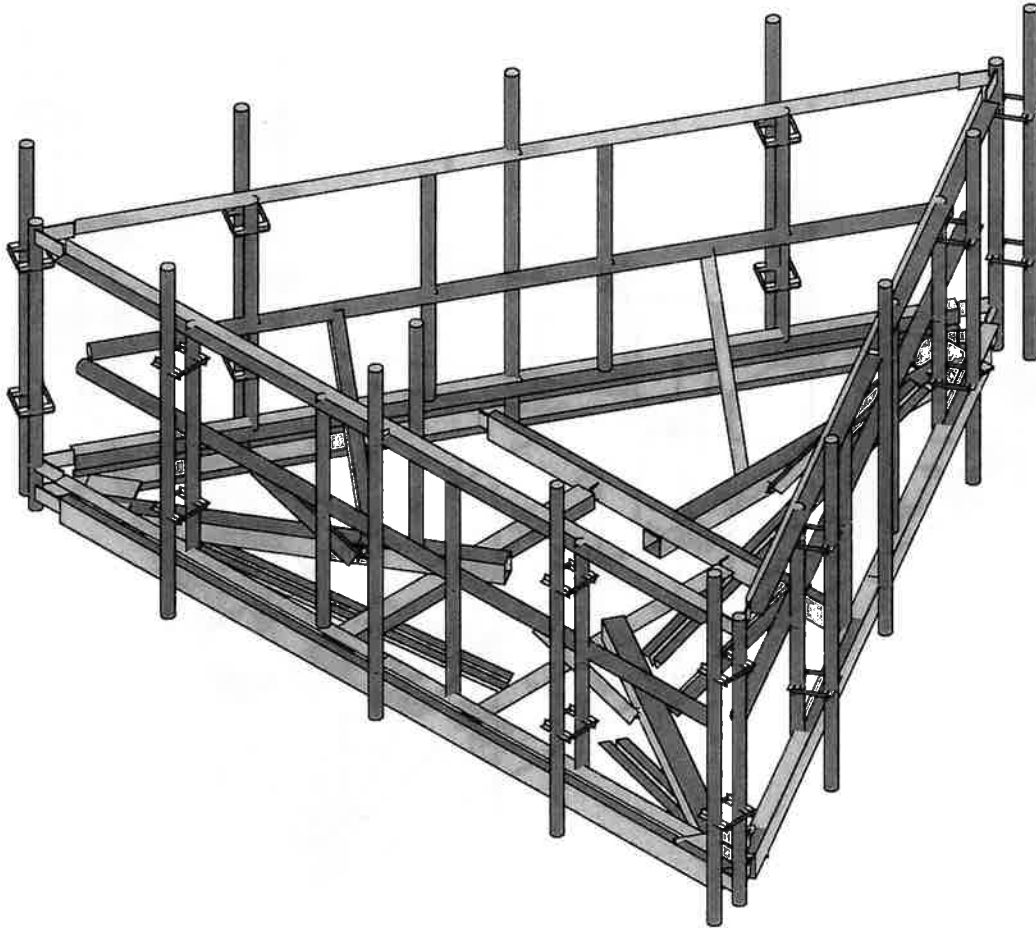
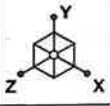
FCC #

N/A

Tower Owner:	Unknown	Mapping Date:	4.2.2021
Site Name:	VZW: RIDGEFIELD CT	Tower Type:	Monopole
Site Number or ID:	488697	Tower Height (Ft.):	N/A
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	129.92

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

CONNECTION #1

CONNECTION #2



Envelope Only Solution

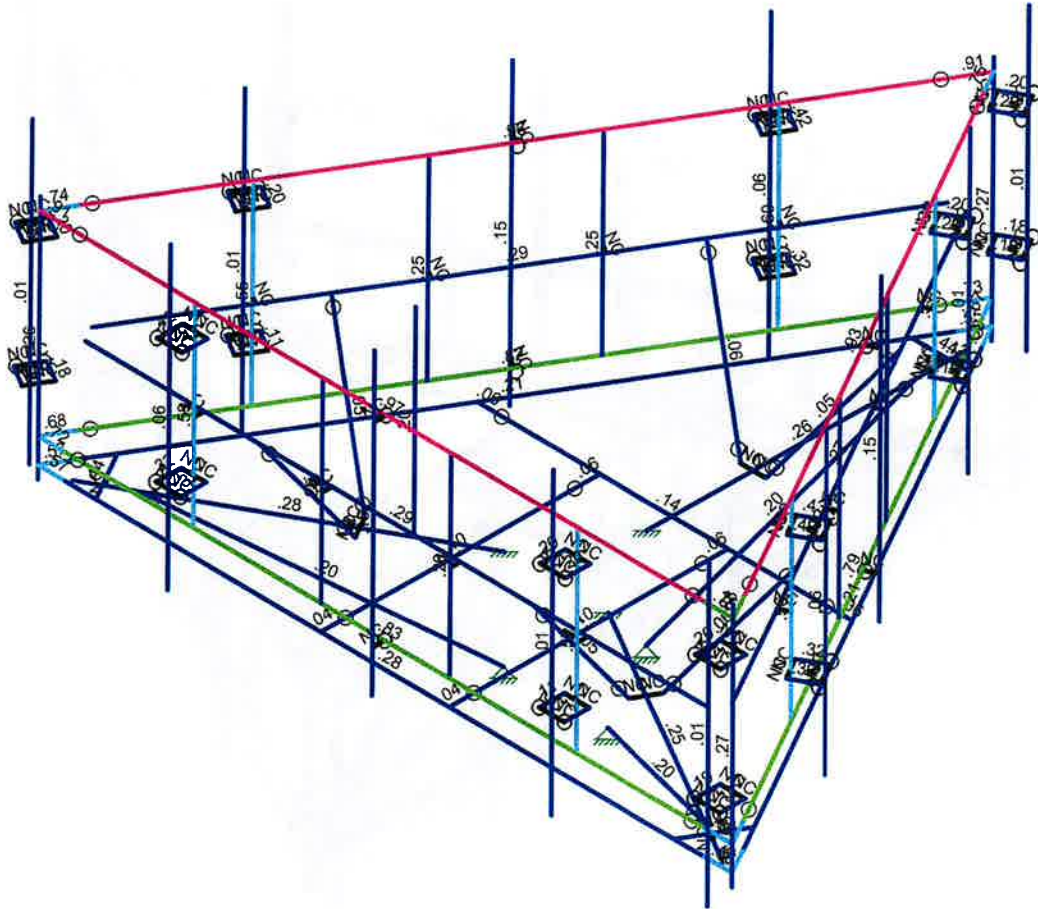
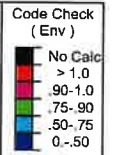
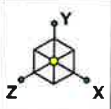
Colliers Engineering & De...
AJH

5000386107-VZW_MT_LO_H

SK - 1

Aug 10, 2023 at 4:57 PM

5000386107-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...

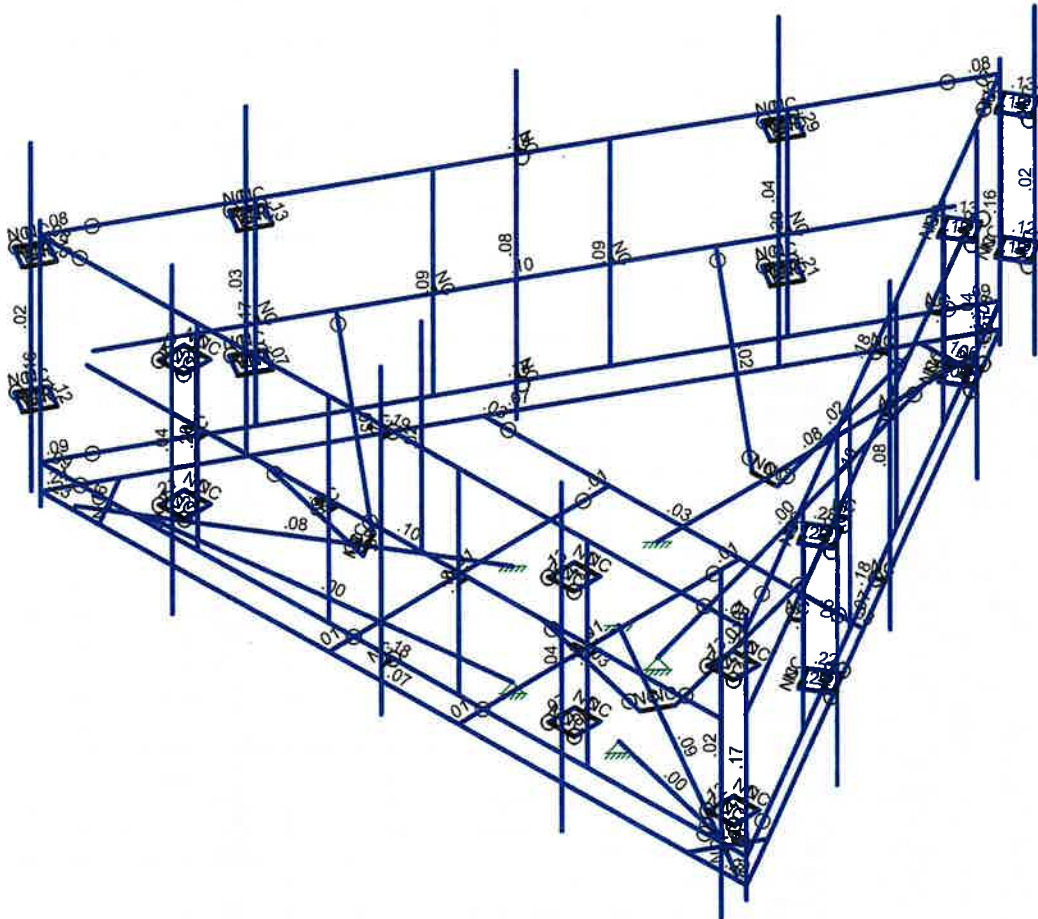
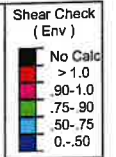
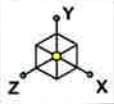
AJH

5000386107-VZW_MT_LO_H

SK - 2

Aug 10, 2023 at 4:57 PM

5000386107-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...
AJH

5000386107-VZW_MT_LO_H

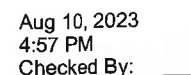
SK - 3

Aug 10, 2023 at 4:57 PM

5000386107-VZW_MT_LO_H.r3d

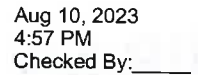
Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(...
1	Antenna D	None					144		
2	Antenna Di	None					144		
3	Antenna Wo (0 Deg)	None					144		
4	Antenna Wo (30 Deg)	None					144		
5	Antenna Wo (60 Deg)	None					144		
6	Antenna Wo (90 Deg)	None					144		
7	Antenna Wo (120 Deg)	None					144		
8	Antenna Wo (150 Deg)	None					144		
9	Antenna Wo (180 Deg)	None					144		
10	Antenna Wo (210 Deg)	None					144		
11	Antenna Wo (240 Deg)	None					144		
12	Antenna Wo (270 Deg)	None					144		
13	Antenna Wo (300 Deg)	None					144		
14	Antenna Wo (330 Deg)	None					144		
15	Antenna Wi (0 Deg)	None					144		
16	Antenna Wi (30 Deg)	None					144		
17	Antenna Wi (60 Deg)	None					144		
18	Antenna Wi (90 Deg)	None					144		
19	Antenna Wi (120 Deg)	None					144		
20	Antenna Wi (150 Deg)	None					144		
21	Antenna Wi (180 Deg)	None					144		
22	Antenna Wi (210 Deg)	None					144		
23	Antenna Wi (240 Deg)	None					144		
24	Antenna Wi (270 Deg)	None					144		
25	Antenna Wi (300 Deg)	None					144		
26	Antenna Wi (330 Deg)	None					144		
27	Antenna Wm (0 Deg)	None					144		
28	Antenna Wm (30 Deg)	None					144		
29	Antenna Wm (60 Deg)	None					144		
30	Antenna Wm (90 Deg)	None					144		
31	Antenna Wm (120 Deg)	None					144		
32	Antenna Wm (150 Deg)	None					144		
33	Antenna Wm (180 Deg)	None					144		
34	Antenna Wm (210 Deg)	None					144		
35	Antenna Wm (240 Deg)	None					144		
36	Antenna Wm (270 Deg)	None					144		
37	Antenna Wm (300 Deg)	None					144		
38	Antenna Wm (330 Deg)	None					144		
39	Structure D	None		-1				6	
40	Structure Di	None					118	6	
41	Structure Wo (0 Deg)	None					236		
42	Structure Wo (30 Deg)	None					236		
43	Structure Wo (60 Deg)	None					236		
44	Structure Wo (90 Deg)	None					236		
45	Structure Wo (120 Deg)	None					236		
46	Structure Wo (150 Deg)	None					236		
47	Structure Wo (180 Deg)	None					236		
48	Structure Wo (210 Deg)	None					236		
49	Structure Wo (240 Deg)	None					236		
50	Structure Wo (270 Deg)	None					236		
51	Structure Wo (300 Deg)	None					236		
52	Structure Wo (330 Deg)	None					236		
53	Structure Wi (0 Deg)	None					236		
54	Structure Wi (30 Deg)	None					236		
55	Structure Wi (60 Deg)	None					236		
56	Structure Wi (90 Deg)	None					236		



	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface...
57	Structure Wi (120 Deg)	None						236	
58	Structure Wi (150 Deg)	None						236	
59	Structure Wi (180 Deg)	None						236	
60	Structure Wi (210 Deg)	None						236	
61	Structure Wi (240 Deg)	None						236	
62	Structure Wi (270 Deg)	None						236	
63	Structure Wi (300 Deg)	None						236	
64	Structure Wi (330 Deg)	None						236	
65	Structure Wm (0 Deg)	None						236	
66	Structure Wm (30 Deg)	None						236	
67	Structure Wm (60 Deg)	None						236	
68	Structure Wm (90 Deg)	None						236	
69	Structure Wm (120 Deg)	None						236	
70	Structure Wm (150 Deg)	None						236	
71	Structure Wm (180 Deg)	None						236	
72	Structure Wm (210 Deg)	None						236	
73	Structure Wm (240 Deg)	None						236	
74	Structure Wm (270 Deg)	None						236	
75	Structure Wm (300 Deg)	None						236	
76	Structure Wm (330 Deg)	None						236	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					144		
82	Antenna Eh (0 Deg)	None					96		
83	Antenna Eh (90 Deg)	None					96		
84	Structure Ev	ELY		- .052					6
85	Structure Eh (0 Deg)	ELZ			-.13				6
86	Structure Eh (90 Deg)	ELX	.13						6
87	BLC 39 Transient Area L...	None						46	
88	BLC 40 Transient Area L...	None						46	
89	BLC 84 Transient Area L...	None						46	
90	BLC 85 Transient Area L...	None						46	
91	BLC 86 Transient Area L...	None						46	

[illegible]





Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
4:57 PM
Checked By: _____

Load Combinations (Continued)

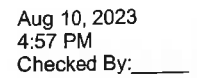
Load Combinations																				
	Description	So	P	S	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	BLCFac	
75	0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	.39	.9	.81	-1	ELY	-1	.82	.866	.83	-.5	ELZ	.866	ELX	-.5

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	0	-1.208333	0	
3	N3	0	0	-7.541667	0	
4	N4	0	0	-7.041667	0	
5	N5	0	0.166667	-7.041667	0	
6	N6	0.583333	0.166667	-7.041667	0	
7	N7	-0.583333	0.166667	-7.041667	0	
8	N9	-1.046447	0	0.604167	0	
9	N10	-6.531275	0	3.770833	0	
10	N11	-6.098262	0	3.520833	0	
11	N12	-6.098262	0.166667	3.520833	0	
12	N13	-6.389929	0.166667	3.015652	0	
13	N14	-5.806596	0.166667	4.026015	0	
14	N16	1.046447	0	0.604167	0	
15	N17	6.531275	0	3.770833	0	
16	N18	6.098262	0	3.520833	0	
17	N19	6.098262	0.166667	3.520833	0	
18	N20	5.806596	0.166667	4.026015	0	
19	N21	6.389929	0.166667	3.015652	0	
20	N20A	0	0.166667	4.026015	0	
21	N21A	6.416667	0.166667	4.026015	0	
22	N22	-6.416667	0.166667	4.026015	0	
23	N24	0.278298	0.166667	-7.570004	0	
24	N25	6.694964	0.166667	3.543989	0	
25	N27	-6.694964	0.166667	3.543989	0	
26	N28	-0.278298	0.166667	-7.570004	0	
27	N32	0	4.833333	-8.05203	0	
28	N28A	0	-0.083333	-8.05203	0	
29	N30	-6.973262	4.833333	4.026015	0	
30	N31	-6.973262	-0.083333	4.026015	0	
31	N33	6.973262	4.833333	4.026015	0	
32	N34	6.973262	-0.083333	4.026015	0	
33	N33A	6.973262	0.166667	4.026015	0	
34	N38	-6.973262	0.166667	4.026015	0	
35	N38A	-0	0.166667	-8.05203	0	
36	N36	6.416667	0.666667	4.026015	0	
37	N37	-6.416667	0.666667	4.026015	0	
38	N38B	0.278298	0.666667	-7.570004	0	
39	N39	6.694964	0.666667	3.543989	0	
40	N40	-6.694964	0.666667	3.543989	0	
41	N41	-0.278298	0.666667	-7.570004	0	
42	N42	6.973262	0.666667	4.026015	0	
43	N43	-6.973262	0.666667	4.026015	0	
44	N44	-0	0.666667	-8.05203	0	
45	N45	6.416667	4.583333	4.026015	0	
46	N46	-6.416667	4.583333	4.026015	0	
47	N47	0.278298	4.583333	-7.570004	0	
48	N48	6.694964	4.583333	3.543989	0	
49	N49	-6.694964	4.583333	3.543989	0	
50	N50	-0.278298	4.583333	-7.570004	0	
51	N51	6.973262	4.583333	4.026015	0	

Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
52	N52	-6.973262	4.583333	4.026015	0	
53	N53	-0.	4.583333	-8.05203	0	
54	N54	-3.85	0.666667	4.026015	0	
55	N55	-3.85	4.583333	4.026015	0	
56	N56	-1.283333	0.666667	4.026015	0	
57	N57	-1.283333	4.583333	4.026015	0	
58	N58	1.283333	0.666667	4.026015	0	
59	N59	1.283333	4.583333	4.026015	0	
60	N60	3.85	0.666667	4.026015	0	
61	N61	3.85	4.583333	4.026015	0	
62	N63	5.411631	0.666667	1.32119	0	
63	N64	5.411631	4.583333	1.32119	0	
64	N65	4.128298	0.666667	-0.901608	0	
65	N66	4.128298	4.583333	-0.901608	0	
66	N67	2.844964	0.666667	-3.124407	0	
67	N68	2.844964	4.583333	-3.124407	0	
68	N69	1.561631	0.666667	-5.347205	0	
69	N70	1.561631	4.583333	-5.347205	0	
70	N72	-1.561631	0.666667	-5.347205	0	
71	N73	-1.561631	4.583333	-5.347205	0	
72	N74	-2.844964	0.666667	-3.124407	0	
73	N75	-2.844964	4.583333	-3.124407	0	
74	N76	-4.128298	0.666667	-0.901608	0	
75	N77	-4.128298	4.583333	-0.901608	0	
76	N78	-5.411631	0.666667	1.32119	0	
77	N79	-5.411631	4.583333	1.32119	0	
78	N79A	3.50876	0.166667	-1.541667	0	
79	N80	-3.50876	0.166667	-1.541667	0	
80	N81	1.283333	0.166667	-1.291667	0	
81	N82	-1.283333	0.166667	-1.291667	0	
82	N83	1.283333	0.166667	3.776015	0	
83	N84	-1.283333	0.166667	3.776015	0	
84	N85	0	-2	-1.208333	0	
85	N86	-1.046447	-2	0.604167	0	
86	N87	1.046447	-2	0.604167	0	
87	N88	0	0	-6.541667	0	
88	N91	-5.66525	0	3.270833	0	
89	N94	5.66525	0	3.270833	0	
90	N91A	6.973262	4.083333	4.026015	0	
91	N92	7.223262	4.083333	4.026015	0	
92	N93	6.723262	4.083333	4.026015	0	
93	N94A	7.223262	4.083333	4.526015	0	
94	N95	6.723262	4.083333	4.526015	0	
95	N96	6.973262	4.083333	4.526015	0	
96	N97	6.973262	1.583333	4.026015	0	
97	N98	7.223262	1.583333	4.026015	0	
98	N99	6.723262	1.583333	4.026015	0	
99	N100	7.223262	1.583333	4.526015	0	
100	N101	6.723262	1.583333	4.526015	0	
101	N102	6.973262	1.583333	4.526015	0	
102	N105	3.85	4.083333	4.026015	0	
103	N106	4.1	4.083333	4.026015	0	
104	N107	3.6	4.083333	4.026015	0	
105	N108	4.1	4.083333	4.526015	0	
106	N109	3.6	4.083333	4.526015	0	
107	N110	3.85	4.083333	4.526015	0	
108	N111	3.85	1.583333	4.026015	0	





Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
4:57 PM
Checked By: _____

Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
166	N170	-7.281275	4.083333	3.559508	0	
167	N171	-7.406275	4.083333	3.776015	0	
168	N172	-6.973262	1.583333	4.026015	0	
169	N173	-7.098262	1.583333	4.242521	0	
170	N174	-6.848262	1.583333	3.809508	0	
171	N175	-7.531275	1.583333	3.992521	0	
172	N176	-7.281275	1.583333	3.559508	0	
173	N177	-7.406275	1.583333	3.776015	0	
174	N178	-5.411631	4.083333	1.32119	0	
175	N179	-5.536631	4.083333	1.537697	0	
176	N180	-5.286631	4.083333	1.104684	0	
177	N181	-5.969644	4.083333	1.287697	0	
178	N182	-5.719644	4.083333	0.854684	0	
179	N183	-5.844644	4.083333	1.07119	0	
180	N184	-5.411631	1.583333	1.32119	0	
181	N185	-5.536631	1.583333	1.537697	0	
182	N186	-5.286631	1.583333	1.104684	0	
183	N187	-5.969644	1.583333	1.287697	0	
184	N188	-5.719644	1.583333	0.854684	0	
185	N189	-5.844644	1.583333	1.07119	0	
186	N190	-1.561631	4.083333	-5.347205	0	
187	N191	-1.686631	4.083333	-5.130699	0	
188	N192	-1.436631	4.083333	-5.563712	0	
189	N193	-2.119644	4.083333	-5.380699	0	
190	N194	-1.869644	4.083333	-5.813712	0	
191	N195	-1.994644	4.083333	-5.597205	0	
192	N196	-1.561631	1.583333	-5.347205	0	
193	N197	-1.686631	1.583333	-5.130699	0	
194	N198	-1.436631	1.583333	-5.563712	0	
195	N199	-2.119644	1.583333	-5.380699	0	
196	N200	-1.869644	1.583333	-5.813712	0	
197	N201	-1.994644	1.583333	-5.597205	0	
198	N200A	3.85	5.833333	4.526015	0	
199	N201A	3.85	-0.166667	4.526015	0	
200	N205	6.973262	5.833333	4.526015	0	
201	N206	6.973262	-0.166667	4.526015	0	
202	N206A	-3.85	5.833333	4.526015	0	
203	N207	-3.85	-0.166667	4.526015	0	
204	N208	1.994644	5.833333	-5.597205	0	
205	N209	1.994644	-0.166667	-5.597205	0	
206	N210	0.433013	5.833333	-8.30203	0	
207	N211	0.433013	-0.166667	-8.30203	0	
208	N212	5.844644	5.833333	1.07119	0	
209	N213	5.844644	-0.166667	1.07119	0	
210	N215	-5.844644	5.833333	1.07119	0	
211	N216	-5.844644	-0.166667	1.07119	0	
212	N217	-7.406275	5.833333	3.776015	0	
213	N218	-7.406275	-0.166667	3.776015	0	
214	N219	-1.994644	5.833333	-5.597205	0	
215	N220	-1.994644	-0.166667	-5.597205	0	
216	N219A	0.	0.666667	4.026015	0	
217	N220A	0.	4.583333	4.026015	0	
218	N221	0.	0.666667	4.276015	0	
219	N222	0.	4.583333	4.276015	0	
220	N223	0.	5.833333	4.276015	0	
221	N224	0.	-0.166667	4.276015	0	
222	N226	3.703137	4.583333	-2.138007	0	

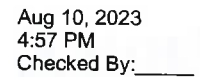


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
223	N227	3.703137	5.833333	-2.138007	0	
224	N228	3.703137	-0.166667	-2.138007	0	
225	N230	-3.703137	4.583333	-2.138007	0	
226	N231	-3.703137	5.833333	-2.138007	0	
227	N232	-3.703137	-0.166667	-2.138007	0	
228	N232A	3.486631	0.666667	-2.013007	0	
229	N233	3.486631	4.583333	-2.013007	0	
230	N234	3.703137	0.666667	-2.138007	0	
231	N237	-3.486631	0.666667	-2.013007	0	
232	N238	-3.486631	4.583333	-2.013007	0	
233	N239	-3.703137	0.666667	-2.138007	0	
234	N237B	1.283333	0.166667	2.026015	0	
235	N238B	-1.283333	0.166667	2.026015	0	
236	N239A	3.75876	0.166667	-1.541667	0	
237	N240	-3.75876	0.166667	-1.541667	0	
238	N241	1.283333	0.166667	4.026015	0	
239	N242	-1.283333	0.166667	4.026015	0	
240	N243	-2.201148	0	1.270833	0	
241	N242A	-2.201148	4	1.270833	0	
242	N243A	1.283333	0.166667	-1.541667	0	
243	N244	-1.283333	0.166667	-1.541667	0	
244	N246	0	0	-3.319444	0	
245	N254	6.25	2.583333	3.817681	0	
246	N255	-6.25	2.583333	3.817681	0	
247	N260	-3.85	2.583333	4.026015	0	
248	N261	-1.283333	2.583333	4.026015	0	
249	N262	1.283333	2.583333	4.026015	0	
250	N263	3.85	2.583333	4.026015	0	
251	N252	-3.85	2.583333	3.817681	0	
252	N253	-1.283333	2.583333	3.817681	0	
253	N254A	1.283333	2.583333	3.817681	0	
254	N255A	3.85	2.583333	3.817681	0	
255	N256	0.181209	2.583333	-7.3215	0	
256	N257	6.431209	2.583333	3.503818	0	
257	N258	5.411631	2.583333	1.32119	0	
258	N259	4.128298	2.583333	-0.901608	0	
259	N260A	2.844964	2.583333	-3.124407	0	
260	N261A	1.561631	2.583333	-5.347205	0	
261	N262A	5.231209	2.583333	1.425357	0	
262	N263A	3.947876	2.583333	-0.797441	0	
263	N264	2.664542	2.583333	-3.02024	0	
264	N265	1.381209	2.583333	-5.243039	0	
265	N266	-6.431209	2.583333	3.503818	0	
266	N267	-0.181209	2.583333	-7.3215	0	
267	N268	-1.561631	2.583333	-5.347205	0	
268	N269	-2.844964	2.583333	-3.124407	0	
269	N270	-4.128298	2.583333	-0.901608	0	
270	N271	-5.411631	2.583333	1.32119	0	
271	N272	-1.381209	2.583333	-5.243039	0	
272	N273	-2.664542	2.583333	-3.02024	0	
273	N274	-3.947876	2.583333	-0.797441	0	
274	N275	-5.231209	2.583333	1.425357	0	
275	N275A	.25	0	-3.319444	0	
276	N276	-.25	0	-3.319444	0	
277	N277	-2.874723	0	1.659722	0	
278	N278	-2.999723	0	1.443216	0	
279	N279	-2.749723	0	1.876229	0	

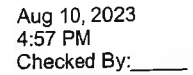


	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
280	N280	2.874723	0	1.659722	0	
281	N281	2.749723	0	1.876229	0	
282	N282	2.999723	0	1.443216	0	
283	N283	-2.749723	2.583333	3.817679	0	
284	N285	2.749723	2.583333	3.817679	0	
285	N287	4.681068	2.583333	0.472491	0	
286	N288	1.931345	2.583333	-4.290169	0	
287	N291	-1.931345	2.583333	-4.290169	0	
288	N292	-4.681068	2.583333	0.472491	0	

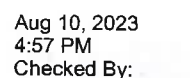
	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff	HSS4X4X3	Beam	Tube	A500 Gr. B	Typical	2.58	6.21	6.21	10
2	Platform Channel	C5x2x.25	Beam	Channel	A36 Gr.36	Typical	2.125	.745	7.544	.042
3	Platform Angle	L4X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.69	1.33	2.75	.039
4	Corner Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Face Horizontal An...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Face Horizontal Ch...	C5x2x.25	Beam	Channel	A36 Gr.36	Typical	2.125	.745	7.544	.042
7	Face Vertical	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
8	Kicker	LL2.5X2.5X3 HRA	Column	Double Angle (3/...	A36 Gr.36	Typical	1.92	2.096	1.158	.024
9	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
10	Corner Plate	PL1/2x9 HRA	Beam	RECT	A36 Gr.36	Typical	4.5	.094	30.375	.362
11	Corner Pipe Plate	PL1/4x3	Beam	RECT	A36 Gr.36	Typical	.75	.004	.563	.015
12	Threaded Rod	SR 0.5	Beam	BAR	A36 Gr.36	Typical	.196	.003	.003	.006
13	TES Platform Chan...	C5x2x.25	Beam	BAR	A36 Gr.36	Typical	2.125	.745	7.544	.042
14	TES Face Channel	C5x2x.25	Beam	BAR	A36 Gr.36	Typical	2.125	.745	7.544	.042
15	TES Kicker	L2x2x4	Beam	BAR	A36 Gr.36	Typical	.944	.346	.346	.021
16	Platform Member P...	PL3/8X3 HRA	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
17	Secondary Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
18	V-Brace	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	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

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2			Standoff	Beam	Tube	A500 Gr. ...	Typical
2	M2	N5	N4			RIGID	None	None	RIGID	Typical
3	M3	N7	N6		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
4	M4	N10	N9			Standoff	Beam	Tube	A500 Gr. ...	Typical
5	M5	N12	N11			RIGID	None	None	RIGID	Typical
6	M6	N14	N13		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
7	M7	N17	N16			Standoff	Beam	Tube	A500 Gr. ...	Typical
8	M8	N19	N18			RIGID	None	None	RIGID	Typical
9	M9	N21	N20		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
10	M10	N22	N21A		180	Face Horizont...	Beam	Channel	A36 Gr.36	Typical



	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
11	M11	N25	N24		180	Face Horizont...	Beam	Channel	A36 Gr.36	Typical
12	M12	N28	N27		180	Face Horizont...	Beam	Channel	A36 Gr.36	Typical
13	MP5B	N32	N28A			Corner Pipe	Column	Pipe	A53 Gr. B	Typical
14	MP5A	N30	N31			Corner Pipe	Column	Pipe	A53 Gr. B	Typical
15	MP5C	N33	N34			Corner Pipe	Column	Pipe	A53 Gr. B	Typical
16	M16	N21A	N33A			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
17	M18	N22	N38			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
18	M19	N24	N38A			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
19	M20	N25	N33A			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
20	M21	N27	N38			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
21	M22	N28	N38A			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
22	M23	N37	N36		90	Face Horizont...	Beam	Single Angle	A36 Gr.36	Typical
23	M24	N39	N38B		90	Face Horizont...	Beam	Single Angle	A36 Gr.36	Typical
24	M25	N41	N40		90	Face Horizont...	Beam	Single Angle	A36 Gr.36	Typical
25	M26	N36	N42			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
26	M27	N37	N43			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
27	M28	N38B	N44			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
28	M29	N39	N42			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
29	M30	N40	N43			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
30	M31	N41	N44			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
31	M32	N46	N45			Face Horizont...	Beam	Single Angle	A36 Gr.36	Typical
32	M33	N48	N47			Face Horizont...	Beam	Single Angle	A36 Gr.36	Typical
33	M34	N50	N49			Face Horizont...	Beam	Single Angle	A36 Gr.36	Typical
34	M35	N45	N51			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
35	M36	N46	N52			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
36	M37	N47	N53			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
37	M38	N48	N51			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
38	M39	N49	N52			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
39	M40	N50	N53			Corner Pipe Pl...	Beam	RECT	A36 Gr.36	Typical
40	M41	N55	N54			Face Vertical	Column	Pipe	A53 Gr. B	Typical
41	M201	N57	N56			Face Vertical	Column	Pipe	A53 Gr. B	Typical
42	M50	N59	N58			Face Vertical	Column	Pipe	A53 Gr. B	Typical
43	M44	N61	N60			Face Vertical	Column	Pipe	A53 Gr. B	Typical
44	M45	N64	N63			Face Vertical	Column	Pipe	A53 Gr. B	Typical
45	M203	N66	N65			Face Vertical	Column	Pipe	A53 Gr. B	Typical
46	M200	N68	N67			Face Vertical	Column	Pipe	A53 Gr. B	Typical
47	M48	N70	N69			Face Vertical	Column	Pipe	A53 Gr. B	Typical
48	M49	N73	N72			Face Vertical	Column	Pipe	A53 Gr. B	Typical
49	M202	N75	N74			Face Vertical	Column	Pipe	A53 Gr. B	Typical
50	M51	N77	N76			Face Vertical	Column	Pipe	A53 Gr. B	Typical
51	M52	N79	N78			Face Vertical	Column	Pipe	A53 Gr. B	Typical
52	M53	N80	N79A		180	Platform Chan...	Beam	Channel	A36 Gr.36	Typical
53	M54	N82	N84		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
54	M55	N83	N81		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
55	M56	N91	N86			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
56	M57	N88	N85			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
57	M58	N94	N87			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
58	M59	N93	N91A			RIGID	None	None	RIGID	Typical
59	M60	N91A	N92			RIGID	None	None	RIGID	Typical
60	M61	N93	N95			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
61	M62	N92	N94A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
62	M63	N95	N96			RIGID	None	None	RIGID	Typical
63	M64	N96	N94A			RIGID	None	None	RIGID	Typical
64	M65	N99	N97			RIGID	None	None	RIGID	Typical
65	M66	N97	N98			RIGID	None	None	RIGID	Typical
66	M67	N99	N101			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
67	M68	N98	N100			Threaded Rod	Beam	BAR	A36 Gr.36	Typical



	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
68	M69	N101	N102			RIGID	None	None	RIGID	Typical
69	M70	N102	N100			RIGID	None	None	RIGID	Typical
70	M71	N107	N105			RIGID	None	None	RIGID	Typical
71	M72	N105	N106			RIGID	None	None	RIGID	Typical
72	M73	N107	N109			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
73	M74	N106	N108			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
74	M75	N109	N110			RIGID	None	None	RIGID	Typical
75	M76	N110	N108			RIGID	None	None	RIGID	Typical
76	M77	N113	N111			RIGID	None	None	RIGID	Typical
77	M78	N111	N112			RIGID	None	None	RIGID	Typical
78	M79	N113	N115			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
79	M80	N112	N114			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
80	M81	N115	N116			RIGID	None	None	RIGID	Typical
81	M82	N116	N114			RIGID	None	None	RIGID	Typical
82	M83	N119	N117			RIGID	None	None	RIGID	Typical
83	M84	N117	N118			RIGID	None	None	RIGID	Typical
84	M85	N119	N121			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
85	M86	N118	N120			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
86	M87	N121	N122			RIGID	None	None	RIGID	Typical
87	M88	N122	N120			RIGID	None	None	RIGID	Typical
88	M89	N125	N123			RIGID	None	None	RIGID	Typical
89	M90	N123	N124			RIGID	None	None	RIGID	Typical
90	M91	N125	N127			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
91	M92	N124	N126			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
92	M93	N127	N128			RIGID	None	None	RIGID	Typical
93	M94	N128	N126			RIGID	None	None	RIGID	Typical
94	M95	N131	N129			RIGID	None	None	RIGID	Typical
95	M96	N129	N130			RIGID	None	None	RIGID	Typical
96	M97	N131	N133			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
97	M98	N130	N132			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
98	M99	N133	N134			RIGID	None	None	RIGID	Typical
99	M100	N134	N132			RIGID	None	None	RIGID	Typical
100	M101	N137	N135			RIGID	None	None	RIGID	Typical
101	M102	N135	N136			RIGID	None	None	RIGID	Typical
102	M103	N137	N139			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
103	M104	N136	N138			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
104	M105	N139	N140			RIGID	None	None	RIGID	Typical
105	M106	N140	N138			RIGID	None	None	RIGID	Typical
106	M107	N143	N141			RIGID	None	None	RIGID	Typical
107	M108	N141	N142			RIGID	None	None	RIGID	Typical
108	M109	N143	N145			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
109	M110	N142	N144			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
110	M111	N145	N146			RIGID	None	None	RIGID	Typical
111	M112	N146	N144			RIGID	None	None	RIGID	Typical
112	M113	N149	N147			RIGID	None	None	RIGID	Typical
113	M114	N147	N148			RIGID	None	None	RIGID	Typical
114	M115	N149	N151			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
115	M116	N148	N150			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
116	M117	N151	N152			RIGID	None	None	RIGID	Typical
117	M118	N152	N150			RIGID	None	None	RIGID	Typical
118	M119	N155	N153			RIGID	None	None	RIGID	Typical
119										

Member Primary Data (Continued)

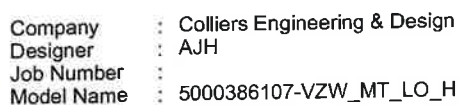
	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
125	M126	N159	N160			RIGID	None	None	RIGID	Typical
126	M127	N161	N163			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
127	M128	N160	N162			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
128	M129	N163	N164			RIGID	None	None	RIGID	Typical
129	M130	N164	N162			RIGID	None	None	RIGID	Typical
130	M131	N168	N166			RIGID	None	None	RIGID	Typical
131	M132	N166	N167			RIGID	None	None	RIGID	Typical
132	M133	N168	N170			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
133	M134	N167	N169			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
134	M135	N170	N171			RIGID	None	None	RIGID	Typical
135	M136	N171	N169			RIGID	None	None	RIGID	Typical
136	M137	N174	N172			RIGID	None	None	RIGID	Typical
137	M138	N172	N173			RIGID	None	None	RIGID	Typical
138	M139	N174	N176			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
139	M140	N173	N175			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
140	M141	N176	N177			RIGID	None	None	RIGID	Typical
141	M142	N177	N175			RIGID	None	None	RIGID	Typical
142	M143	N180	N178			RIGID	None	None	RIGID	Typical
143	M144	N178	N179			RIGID	None	None	RIGID	Typical
144	M145	N180	N182			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
145	M146	N179	N181			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
146	M147	N182	N183			RIGID	None	None	RIGID	Typical
147	M148	N183	N181			RIGID	None	None	RIGID	Typical
148	M149	N186	N184			RIGID	None	None	RIGID	Typical
149	M150	N184	N185			RIGID	None	None	RIGID	Typical
150	M151	N186	N188			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
151	M152	N185	N187			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
152	M153	N188	N189			RIGID	None	None	RIGID	Typical
153	M154	N189	N187			RIGID	None	None	RIGID	Typical
154	M155	N192	N190			RIGID	None	None	RIGID	Typical
155	M156	N190	N191			RIGID	None	None	RIGID	Typical
156	M157	N192	N194			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
157	M158	N191	N193			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
158	M159	N194	N195			RIGID	None	None	RIGID	Typical
159	M160	N195	N193			RIGID	None	None	RIGID	Typical
160	M161	N198	N196			RIGID	None	None	RIGID	Typical
161	M162	N196	N197			RIGID	None	None	RIGID	Typical
162	M163	N198	N200			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
163	M164	N197	N199			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
164	M165	N200	N201			RIGID	None	None	RIGID	Typical
165	M166	N201	N199			RIGID	None	None	RIGID	Typical
166	MP2A	N200A	N201A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
167	MP1A	N205	N206			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
168	MP4A	N206A	N207			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
169	MP2C	N208	N209			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
170	MP1C	N210	N211			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
171	MP4C	N212	N213			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
172	MP2B	N215	N216			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
173	MP1B	N217	N218			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
174	MP4B	N219	N220			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
175	M176	N220A	N222			RIGID	None	None	RIGID	Typical
176	M177	N219A	N221			RIGID	None	None	RIGID	Typical
177	MP3A	N223	N224			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
178	MP3C	N227	N228			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
179	MP3B	N231	N232			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
180	M181	N233	N226			RIGID	None	None	RIGID	Typical
181	M182	N232A	N234			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
182	M183	N238	N230			RIGID	None	None	RIGID	Typical
183	M184	N237	N239			RIGID	None	None	RIGID	Typical
184	M185A	N84	N242			Platform Mem...	Beam	RECT	A36 Gr.36	Typical
185	M186	N83	N241			Platform Mem...	Beam	RECT	A36 Gr.36	Typical
186	M187	N79A	N239A			Platform Mem...	Beam	RECT	A36 Gr.36	Typical
187	M188	N80	N240			Platform Mem...	Beam	RECT	A36 Gr.36	Typical
188	M188A	N242A	N243			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
189	M189	N82	N244			Platform Mem...	Beam	RECT	A36 Gr.36	Typical
190	M190	N81	N243A			Platform Mem...	Beam	RECT	A36 Gr.36	Typical
191	M197	N255	N254			Secondary Hor...	Beam	Pipe	A53 Gr. B	Typical
192	M192	N260	N252			RIGID	None	None	RIGID	Typical
193	M193	N261	N253			RIGID	None	None	RIGID	Typical
194	M194	N262	N254A			RIGID	None	None	RIGID	Typical
195	M195	N263	N255A			RIGID	None	None	RIGID	Typical
196	M196	N257	N256			Secondary Hor...	Beam	Pipe	A53 Gr. B	Typical
197	M197A	N258	N262A			RIGID	None	None	RIGID	Typical
198	M198	N259	N263A			RIGID	None	None	RIGID	Typical
199	M199	N260A	N264			RIGID	None	None	RIGID	Typical
200	M200A	N261A	N265			RIGID	None	None	RIGID	Typical
201	M201A	N267	N266			Secondary Hor...	Beam	Pipe	A53 Gr. B	Typical
202	M202A	N268	N272			RIGID	None	None	RIGID	Typical
203	M203A	N269	N273			RIGID	None	None	RIGID	Typical
204	M204	N270	N274			RIGID	None	None	RIGID	Typical
205	M205	N271	N275			RIGID	None	None	RIGID	Typical
206	M206	N276	N246			RIGID	None	None	RIGID	Typical
207	M207	N275A	N246			RIGID	None	None	RIGID	Typical
208	M208	N279	N277			RIGID	None	None	RIGID	Typical
209	M209	N278	N277			RIGID	None	None	RIGID	Typical
210	M210	N282	N280			RIGID	None	None	RIGID	Typical
211	M211	N281	N280			RIGID	None	None	RIGID	Typical
212	M212	N283	N279		90	V-Brace	Column	Single Angle	A36 Gr.36	Typical
213	M213	N285	N281		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical
214	M214	N287	N282		90	V-Brace	Column	Single Angle	A36 Gr.36	Typical
215	M215	N288	N275A		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical
216	M216	N291	N276		90	V-Brace	Column	Single Angle	A36 Gr.36	Typical
217	M217	N292	N278		180	V-Brace	Column	Single Angle	A36 Gr.36	Typical

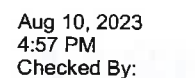
Member Advanced Data

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes	** NA **			None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes	** NA **			None
6	M6						Yes				None
7	M7						Yes				None
8	M8						Yes	** NA **			None
9	M9						Yes				None
10	M10						Yes				None
11	M11						Yes				None
12	M12						Yes				None
13	MP5B						Yes	** NA **			None
14	MP5A						Yes	** NA **			None
15	MP5C						Yes	** NA **			None
16	M16						Yes				None

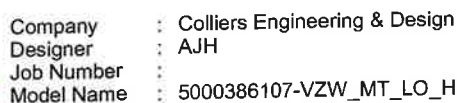


Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
17	M18						Yes				None
18	M19						Yes				None
19	M20						Yes				None
20	M21						Yes				None
21	M22						Yes				None
22	M23	00000X	00000X				Yes				None
23	M24	00000X	00000X				Yes				None
24	M25	00000X	00000X				Yes				None
25	M26						Yes				None
26	M27						Yes				None
27	M28						Yes				None
28	M29						Yes				None
29	M30						Yes				None
30	M31						Yes				None
31	M32	0000XO	0000XO				Yes				None
32	M33	0000XO	0000XO				Yes				None
33	M34	0000XO	0000XO				Yes				None
34	M35						Yes				None
35	M36						Yes				None
36	M37						Yes				None
37	M38						Yes				None
38	M39						Yes				None
39	M40						Yes				None
40	M41						Yes	** NA **			None
41	M201						Yes	** NA **			None
42	M50						Yes	** NA **			None
43	M44						Yes	** NA **			None
44	M45						Yes	** NA **			None
45	M203						Yes	** NA **			None
46	M200						Yes	** NA **			None
47	M48						Yes	** NA **			None
48	M49						Yes	** NA **			None
49	M202						Yes	** NA **			None
50	M51						Yes	** NA **			None
51	M52						Yes	** NA **			None
52	M53	0000XO	0000XO				Yes				None
53	M54	00000X	00000X				Yes				None
54	M55	00000X	00000X				Yes				None
55	M56	BenPIN					Yes	** NA **			None
56	M57	BenPIN					Yes	** NA **			None
57	M58	BenPIN					Yes	** NA **			None
58	M59						Yes	** NA **			None
59	M60						Yes				None
60	M61						Yes				None
61	M62						Yes				None
62	M63		000X00				Yes	** NA **			None
63	M64	000X0X					Yes	** NA **			None
64	M65						Yes	** NA **			None
65	M66						Yes				None
66	M67						Yes				None
67	M68						Yes				None
68	M69		000X00				Yes	** NA **			None
69	M70	000X0X					Yes	** NA **			None
70	M71						Yes	** NA **			None
71	M72						Yes				None
72	M73						Yes				None
73	M74						Yes				None



	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
74	M75		OOOXOO				Yes	** NA **			None
75	M76	OOOXOX					Yes	** NA **			None
76	M77						Yes	** NA **			None
77	M78						Yes	** NA **			None
78	M79						Yes				None
79	M80						Yes				None
80	M81		OOOXOO				Yes	** NA **			None
81	M82	OOOXOX					Yes	** NA **			None
82	M83						Yes	** NA **			None
83	M84						Yes	** NA **			None
84	M85						Yes				None
85	M86						Yes				None
86	M87		OOOXOO				Yes	** NA **			None
87	M88	OOOXOX					Yes	** NA **			None
88	M89						Yes	** NA **			None
89	M90						Yes	** NA **			None
90	M91						Yes				None
91	M92						Yes				None
92	M93		OOOXOO				Yes	** NA **			None
93	M94	OOOXOX					Yes	** NA **			None
94	M95						Yes	** NA **			None
95	M96						Yes	** NA **			None
96	M97						Yes				None
97	M98						Yes				None
98	M99		OOOXOO				Yes	** NA **			None
99	M100	OOOXOX					Yes	** NA **			None
100	M101						Yes	** NA **			None
101	M102						Yes	** NA **			None
102	M103						Yes				None
103	M104						Yes				None
104	M105		OOOXOO				Yes	** NA **			None
105	M106	OOOXOX					Yes	** NA **			None
106	M107						Yes	** NA **			None
107	M108						Yes	** NA **			None
108	M109						Yes				None
109	M110						Yes				None
110	M111		OOOXOO				Yes	** NA **			None
111	M112	OOOXOX					Yes	** NA **			None
112	M113						Yes	** NA **			None
113	M114						Yes	** NA **			None
114	M115						Yes				None
115	M116						Yes				None
116	M117		OOOXOO				Yes	** NA **			None
117	M118	OOOXOX					Yes	** NA **			None
118	M119						Yes	** NA **			None
119	M120						Yes	** NA **			None
120	M121						Yes				None
121	M122						Yes				None
122	M123		OOOXOO				Yes	** NA **			None
123	M124	OOOXOX					Yes	** NA **			None
124	M125						Yes	** NA **			None
125	M126						Yes	** NA **			None
126	M127						Yes				None
127	M128						Yes				None
128	M129		OOOXOO				Yes	** NA **			None
129	M130	OOOXOX					Yes	** NA **			None
130	M131						Yes	** NA **			None



Aug 10, 2023
4:57 PM
Checked By:

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
131	M132						Yes	** NA **			None
132	M133						Yes				None
133	M134						Yes				None
134	M135		OOOXOO				Yes	** NA **			None
135	M136	OOOXOX					Yes	** NA **			None
136	M137						Yes	** NA **			None
137	M138						Yes				None
138	M139						Yes				None
139	M140						Yes				None
140	M141		OOOXOO				Yes	** NA **			None
141	M142	OOOXOX					Yes	** NA **			None
142	M143						Yes	** NA **			None
143	M144						Yes				None
144	M145						Yes				None
145	M146						Yes				None
146	M147		OOOXOO				Yes	** NA **			None
147	M148	OOOXOX					Yes	** NA **			None
148	M149						Yes	** NA **			None
149	M150						Yes	** NA **			None
150	M151						Yes				None
151	M152						Yes				None
152	M153		OOOXOO				Yes	** NA **			None
153	M154	OOOXOX					Yes	** NA **			None
154	M155						Yes	** NA **			None
155	M156						Yes	** NA **			None
156	M157						Yes				None
157	M158						Yes				None
158	M159		OOOXOO				Yes	** NA **			None
159	M160	OOOXOX					Yes	** NA **			None
160	M161						Yes	** NA **			None
161	M162						Yes	** NA **			None
162	M163						Yes				None
163	M164						Yes				None
164	M165		OOOXOO				Yes	** NA **			None
165	M166	OOOXOX					Yes	** NA **			None
166	MP2A						Yes	** NA **			None
167	MP1A						Yes	** NA **			None
168	MP4A						Yes	** NA **			None
169	MP2C						Yes	** NA **			None
170	MP1C						Yes	** NA **			None
171	MP4C						Yes	** NA **			None
172	MP2B						Yes	** NA **			None
173	MP1B						Yes	** NA **			None
174	MP4B						Yes	** NA **			None
175	M176		OOOXOO				Yes	** NA **			None
176	M177		OOOXOO				Yes	** NA **			None
177	MP3A						Yes	** NA **			None
178	MP3C						Yes	** NA **			None
179	MP3B						Yes	** NA **			None
180	M181		OOOXOO				Yes	** NA **			None
181	M182		OOOXOO				Yes	** NA **			None
182	M183		OOOXOO				Yes	** NA **			None
183	M184		OOOXOO				Yes	** NA **			None
184	M185A						Yes				None
185	M186						Yes				None
186	M187						Yes				None
187	M188						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
188	M188A						Yes	** NA **			None
189	M189						Yes				None
190	M190						Yes				None
191	M197						Yes				None
192	M192						Yes	** NA **			None
193	M193						Yes	** NA **			None
194	M194						Yes	** NA **			None
195	M195						Yes	** NA **			None
196	M196						Yes	** NA **			None
197	M197A						Yes	** NA **			None
198	M198						Yes	** NA **			None
199	M199						Yes	** NA **			None
200	M200A						Yes	** NA **			None
201	M201A						Yes				None
202	M202A						Yes	** NA **			None
203	M203A						Yes	** NA **			None
204	M204						Yes	** NA **			None
205	M205						Yes	** NA **			None
206	M206						Yes	** NA **			None
207	M207						Yes	** NA **			None
208	M208						Yes	** NA **			None
209	M209						Yes	** NA **			None
210	M210						Yes	** NA **			None
211	M211						Yes	** NA **			None
212	M212	BenPIN	BenPIN				Yes	** NA **			None
213	M213	BenPIN	BenPIN				Yes	** NA **			None
214	M214	BenPIN	BenPIN				Yes	** NA **			None
215	M215	BenPIN	BenPIN				Yes	** NA **			None
216	M216	BenPIN	BenPIN				Yes	** NA **			None
217	M217	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-31.65	.5
2	MP3A	My	-.016	.5
3	MP3A	Mz	.021	.5
4	MP3A	Y	-31.65	5.5
5	MP3A	Mv	-.016	5.5
6	MP3A	Mz	.021	5.5
7	MP3B	Y	-31.65	.5
8	MP3B	Mv	-.006	.5
9	MP3B	Mz	-.026	.5
10	MP3B	Y	-31.65	5.5
11	MP3B	Mv	-.006	5.5
12	MP3B	Mz	-.026	5.5
13	MP3C	Y	-31.65	.5
14	MP3C	Mv	.026	.5
15	MP3C	Mz	.003	.5
16	MP3C	Y	-31.65	5.5
17	MP3C	Mv	.026	5.5
18	MP3C	Mz	.003	5.5
19	MP3A	Y	-31.65	.5
20	MP3A	My	-.016	.5
21	MP3A	Mz	-.021	.5
22	MP3A	Y	-31.65	5.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb.k.ft]	Location[ft.%]
23	MP3A	Mv	-.016	5.5
24	MP3A	Mz	-.021	5.5
25	MP3B	Y	-31.65	.5
26	MP3B	My	.026	.5
27	MP3B	Mz	.001	.5
28	MP3B	Y	-31.65	5.5
29	MP3B	Mv	.026	5.5
30	MP3B	Mz	.001	5.5
31	MP3C	Y	-31.65	.5
32	MP3C	My	-.01	.5
33	MP3C	Mz	.024	.5
34	MP3C	Y	-31.65	5.5
35	MP3C	Mv	-.01	5.5
36	MP3C	Mz	.024	5.5
37	MP5A	Y	-43.55	2
38	MP5A	Mv	-.022	2
39	MP5A	Mz	0	2
40	MP5A	Y	-43.55	4
41	MP5A	Mv	-.022	4
42	MP5A	Mz	0	4
43	MP5B	Y	-43.55	2
44	MP5B	Mv	.014	2
45	MP5B	Mz	-.017	2
46	MP5B	Y	-43.55	4
47	MP5B	Mv	.014	4
48	MP5B	Mz	-.017	4
49	MP5C	Y	-43.55	2
50	MP5C	Mv	.011	2
51	MP5C	Mz	.019	2
52	MP5C	Y	-43.55	4
53	MP5C	Mv	.011	4
54	MP5C	Mz	.019	4
55	MP4A	Y	-7.15	.5
56	MP4A	My	-.004	.5
57	MP4A	Mz	-.000621	.5
58	MP4A	Y	-7.15	3.5
59	MP4A	Mv	-.004	3.5
60	MP4A	Mz	-.000621	3.5
61	MP4B	Y	-7.15	.5
62	MP4B	Mv	.002	.5
63	MP4B	Mz	-.003	.5
64	MP4B	Y	-7.15	3.5
65	MP4B	Mv	.002	3.5
66	MP4B	Mz	-.003	3.5
67	MP4C	Y	-7.15	.5
68	MP4C	My	.001	.5
69	MP4C	Mz	.003	.5
70	MP4C	Y	-7.15	3.5
71	MP4C	Mv	.001	3.5
72	MP4C	Mz	.003	3.5
73	MP1A	Y	-4.4	2
74	MP1A	Mv	-.002	2
75	MP1A	Mz	0	2
76	MP1B	Y	-4.4	2
77	MP1B	My	.001	2
78	MP1B	Mz	-.002	2
79	MP1C	Y	-4.4	2

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP1C	My	.001	2
81	MP1C	Mz	.002	2
82	M50	Y	-10.4	2
83	M50	My	0	2
84	M50	Mz	0	2
85	M41	Y	-70.3	1.5
86	M41	My	0	1.5
87	M41	Mz	0	1.5
88	M188A	Y	-26.9	2
89	M188A	My	0	2
90	M188A	Mz	0	2
91	M51	Y	-10.4	2
92	M51	My	0	2
93	M51	Mz	0	2
94	M200	Y	-10.4	2
95	M200	My	.005	2
96	M200	Mz	-.002	2
97	MP3A	Y	-84.4	.5
98	MP3A	My	.042	.5
99	MP3A	Mz	0	.5
100	MP3B	Y	-84.4	.5
101	MP3B	My	-.027	.5
102	MP3B	Mz	.032	.5
103	MP3C	Y	-84.4	.5
104	MP3C	My	-.021	.5
105	MP3C	Mz	-.037	.5
106	M49	Y	-70.3	1.5
107	M49	My	0	1.5
108	M49	Mz	0	1.5
109	M45	Y	-70.3	1.5
110	M45	My	0	1.5
111	M45	Mz	0	1.5
112	M188A	Y	-26.9	2
113	M188A	My	0	2
114	M188A	Mz	0	2
115	MP3A	Y	-8.8	2
116	MP3A	My	.008	2
117	MP3A	Mz	.004	2
118	MP3A	Y	-8.8	3
119	MP3A	My	.008	3
120	MP3A	Mz	.004	3
121	MP3B	Y	-8.8	2
122	MP3B	My	-.008	2
123	MP3B	Mz	.005	2
124	MP3B	Y	-8.8	3
125	MP3B	My	-.008	3
126	MP3B	Mz	.005	3
127	MP3A	Y	-8.8	2
128	MP3A	My	.009	2
129	MP3A	Mz	-.001	2
130	MP3A	Y	-8.8	3
131	MP3A	My	.009	3
132	MP3A	Mz	-.001	3
133	MP3B	Y	-8.8	2
134	MP3B	My	-.003	2
135	MP3B	Mz	.009	2
136	MP3B	Y	-8.8	3

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
137	MP3B	Mv	-.003	3
138	MP3B	Mz	.009	3
139	M48	Y	-15	.25
140	M48	My	0	.25
141	M48	Mz	0	.25
142	M48	Y	-15	1.25
143	M48	Mv	0	1.25
144	M48	Mz	0	1.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-69.213	.5
2	MP3A	Mv	-.035	.5
3	MP3A	Mz	.046	.5
4	MP3A	Y	-69.213	5.5
5	MP3A	Mv	-.035	5.5
6	MP3A	Mz	.046	5.5
7	MP3B	Y	-69.213	.5
8	MP3B	My	-.013	.5
9	MP3B	Mz	-.056	.5
10	MP3B	Y	-69.213	5.5
11	MP3B	Mv	-.013	5.5
12	MP3B	Mz	-.056	5.5
13	MP3C	Y	-69.213	.5
14	MP3C	My	.057	.5
15	MP3C	Mz	.007	.5
16	MP3C	Y	-69.213	5.5
17	MP3C	Mv	.057	5.5
18	MP3C	Mz	.007	5.5
19	MP3A	Y	-69.213	.5
20	MP3A	My	-.035	.5
21	MP3A	Mz	-.046	.5
22	MP3A	Y	-69.213	5.5
23	MP3A	Mv	-.035	5.5
24	MP3A	Mz	-.046	5.5
25	MP3B	Y	-69.213	.5
26	MP3B	My	.058	.5
27	MP3B	Mz	.003	.5
28	MP3B	Y	-69.213	5.5
29	MP3B	Mv	.058	5.5
30	MP3B	Mz	.003	5.5
31	MP3C	Y	-69.213	.5
32	MP3C	My	-.023	.5
33	MP3C	Mz	.053	.5
34	MP3C	Y	-69.213	5.5
35	MP3C	Mv	-.023	5.5
36	MP3C	Mz	.053	5.5
37	MP5A	Y	-35.233	2
38	MP5A	My	-.018	2
39	MP5A	Mz	0	2
40	MP5A	Y	-35.233	4
41	MP5A	Mv	-.018	4
42	MP5A	Mz	0	4
43	MP5B	Y	-35.233	2
44	MP5B	My	.011	2
45	MP5B	Mz	-.013	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
46	MP5B	Y	-35.233	4
47	MP5B	Mv	.011	4
48	MP5B	Mz	-.013	4
49	MP5C	Y	-35.233	2
50	MP5C	Mv	.009	2
51	MP5C	Mz	.015	2
52	MP5C	Y	-35.233	4
53	MP5C	Mv	.009	4
54	MP5C	Mz	.015	4
55	MP4A	Y	-37.419	.5
56	MP4A	Mv	-.018	.5
57	MP4A	Mz	-.003	.5
58	MP4A	Y	-37.419	3.5
59	MP4A	Mv	-.018	3.5
60	MP4A	Mz	-.003	3.5
61	MP4B	Y	-37.419	.5
62	MP4B	Mv	.012	.5
63	MP4B	Mz	-.014	.5
64	MP4B	Y	-37.419	3.5
65	MP4B	Mv	.012	3.5
66	MP4B	Mz	-.014	3.5
67	MP4C	Y	-37.419	.5
68	MP4C	Mv	.006	.5
69	MP4C	Mz	.018	.5
70	MP4C	Y	-37.419	3.5
71	MP4C	Mv	.006	3.5
72	MP4C	Mz	.018	3.5
73	MP1A	Y	-13.287	2
74	MP1A	Mv	-.007	2
75	MP1A	Mz	0	2
76	MP1B	Y	-13.287	2
77	MP1B	Mv	.004	2
78	MP1B	Mz	-.005	2
79	MP1C	Y	-13.287	2
80	MP1C	Mv	.003	2
81	MP1C	Mz	.006	2
82	M50	Y	-10.61	2
83	M50	Mv	0	2
84	M50	Mz	0	2
85	M41	Y	-39.938	1.5
86	M41	Mv	0	1.5
87	M41	Mz	0	1.5
88	M188A	Y	-54.696	2
89	M188A	Mv	0	2
90	M188A	Mz	0	2
91	M51	Y	-10.61	2
92	M51	Mv	0	2
93	M51	Mz	0	2
94	M200	Y	-10.61	2
95	M200	Mv	.005	2
96	M200	Mz	-.002	2
97	MP3A	Y	-44.413	.5
98	MP3A	Mv	.022	.5
99	MP3A	Mz	0	.5
100	MP3B	Y	-44.413	.5
101	MP3B	Mv	-.014	.5
102	MP3B	Mz	.017	.5

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

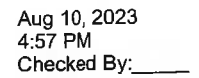
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
103	MP3C	Y	-44.413	.5
104	MP3C	My	-.011	.5
105	MP3C	Mz	-.019	.5
106	M49	Y	-39.938	1.5
107	M49	My	0	1.5
108	M49	Mz	0	1.5
109	M45	Y	-39.938	1.5
110	M45	My	0	1.5
111	M45	Mz	0	1.5
112	M188A	Y	-54.696	2
113	M188A	My	0	2
114	M188A	Mz	0	2
115	MP3A	Y	3.3	2
116	MP3A	My	-.003	2
117	MP3A	Mz	-.002	2
118	MP3A	Y	3.3	3
119	MP3A	My	-.003	3
120	MP3A	Mz	-.002	3
121	MP3B	Y	3.3	2
122	MP3B	My	.003	2
123	MP3B	Mz	-.002	2
124	MP3B	Y	3.3	3
125	MP3B	My	.003	3
126	MP3B	Mz	-.002	3
127	MP3A	Y	3.3	2
128	MP3A	My	-.003	2
129	MP3A	Mz	.00051	2
130	MP3A	Y	3.3	3
131	MP3A	My	-.003	3
132	MP3A	Mz	.00051	3
133	MP3B	Y	3.3	2
134	MP3B	My	.001	2
135	MP3B	Mz	-.003	2
136	MP3B	Y	3.3	3
137	MP3B	My	.001	3
138	MP3B	Mz	-.003	3
139	M48	Y	-20.537	.25
140	M48	My	0	.25
141	M48	Mz	0	.25
142	M48	Y	-20.537	1.25
143	M48	My	0	1.25
144	M48	Mz	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	-147.357	.5
3	MP3A	Mx	-.098	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-147.357	5.5
6	MP3A	Mx	-.098	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-117.678	.5
9	MP3B	Mx	.096	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-117.678	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP3B	Mx	.096	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-109.426	.5
15	MP3C	Mx	-.011	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-109.426	5.5
18	MP3C	Mx	-.011	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-147.357	.5
21	MP3A	Mx	.098	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-147.357	5.5
24	MP3A	Mx	.098	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-117.678	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-117.678	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-109.426	.5
33	MP3C	Mx	-.084	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-109.426	5.5
36	MP3C	Mx	-.084	5.5
37	MP5A	X	0	2
38	MP5A	Z	-63.407	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	-63.407	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	-39.013	2
45	MP5B	Mx	.015	2
46	MP5B	X	0	4
47	MP5B	Z	-39.013	4
48	MP5B	Mx	.015	4
49	MP5C	X	0	2
50	MP5C	Z	-32.229	2
51	MP5C	Mx	-.014	2
52	MP5C	X	0	4
53	MP5C	Z	-32.229	4
54	MP5C	Mx	-.014	4
55	MP4A	X	0	.5
56	MP4A	Z	-76.686	.5
57	MP4A	Mx	.007	.5
58	MP4A	X	0	3.5
59	MP4A	Z	-76.686	3.5
60	MP4A	Mx	.007	3.5
61	MP4B	X	0	.5
62	MP4B	Z	-59.054	.5
63	MP4B	Mx	.023	.5
64	MP4B	X	0	3.5
65	MP4B	Z	-59.054	3.5
66	MP4B	Mx	.023	3.5
67	MP4C	X	0	.5
68	MP4C	Z	-49.672	.5



Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]	
69	MP4C	Mx	-.023	.5
70	MP4C	X	0	3.5
71	MP4C	Z	-49.672	3.5
72	MP4C	Mx	-.023	3.5
73	MP1A	X	0	2
74	MP1A	Z	-28.792	2
75	MP1A	Mx	0	2
76	MP1B	X	0	2
77	MP1B	Z	-15.21	2
78	MP1B	Mx	.006	2
79	MP1C	X	0	2
80	MP1C	Z	-11.433	2
81	MP1C	Mx	-.005	2
82	M50	X	0	2
83	M50	Z	-11.538	2
84	M50	Mx	0	2
85	M41	X	0	1.5
86	M41	Z	-47.494	1.5
87	M41	Mx	0	1.5
88	M188A	X	0	2
89	M188A	Z	-77.56	2
90	M188A	Mx	0	2
91	M51	X	0	2
92	M51	Z	-11.538	2
93	M51	Mx	0	2
94	M200	X	0	2
95	M200	Z	-11.538	2
96	M200	Mx	.002	2
97	MP3A	X	0	.5
98	MP3A	Z	-50.143	.5
99	MP3A	Mx	0	.5
100	MP3B	X	0	.5
101	MP3B	Z	-40.462	.5
102	MP3B	Mx	-.015	.5
103	MP3C	X	0	.5
104	MP3C	Z	-37.769	.5
105	MP3C	Mx	.016	.5
106	M49	X	0	1.5
107	M49	Z	-47.494	1.5
108	M49	Mx	0	1.5
109	M45	X	0	1.5
110	M45	Z	-47.494	1.5
111	M45	Mx	0	1.5
112	M188A	X	0	2
113	M188A	Z	-77.56	2
114	M188A	Mx	0	2
115	MP3A	X	0	2
116	MP3A	Z	-15.53	2
117	MP3A	Mx	-.008	2
118	MP3A	X	0	3
119	MP3A	Z	-15.53	3
120	MP3A	Mx	-.008	3
121	MP3B	X	0	2
122	MP3B	Z	-15.555	2
123	MP3B	Mx	-.009	2
124	MP3B	X	0	3
125	MP3B	Z	-15.555	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
126	MP3B	Mx	-.009	3
127	MP3A	X	0	2
128	MP3A	Z	-15.53	2
129	MP3A	Mx	.002	2
130	MP3A	X	0	3
131	MP3A	Z	-15.53	3
132	MP3A	Mx	.002	3
133	MP3B	X	0	2
134	MP3B	Z	-15.555	2
135	MP3B	Mx	-.015	2
136	MP3B	X	0	3
137	MP3B	Z	-15.555	3
138	MP3B	Mx	-.015	3
139	M48	X	0	.25
140	M48	Z	-53.705	.25
141	M48	Mx	0	.25
142	M48	X	0	1.25
143	M48	Z	-53.705	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	67.357	.5
2	MP3A	Z	-116.665	.5
3	MP3A	Mx	-.111	.5
4	MP3A	X	67.357	5.5
5	MP3A	Z	-116.665	5.5
6	MP3A	Mx	-.111	5.5
7	MP3B	X	49.154	.5
8	MP3B	Z	-85.137	.5
9	MP3B	Mx	.06	.5
10	MP3B	X	49.154	5.5
11	MP3B	Z	-85.137	5.5
12	MP3B	Mx	.06	5.5
13	MP3C	X	67.357	.5
14	MP3C	Z	-116.665	.5
15	MP3C	Mx	.044	.5
16	MP3C	X	67.357	5.5
17	MP3C	Z	-116.665	5.5
18	MP3C	Mx	.044	5.5
19	MP3A	X	67.357	.5
20	MP3A	Z	-116.665	.5
21	MP3A	Mx	.044	.5
22	MP3A	X	67.357	5.5
23	MP3A	Z	-116.665	5.5
24	MP3A	Mx	.044	5.5
25	MP3B	X	49.154	.5
26	MP3B	Z	-85.137	.5
27	MP3B	Mx	.037	.5
28	MP3B	X	49.154	5.5
29	MP3B	Z	-85.137	5.5
30	MP3B	Mx	.037	5.5
31	MP3C	X	67.357	.5
32	MP3C	Z	-116.665	.5
33	MP3C	Mx	-.111	.5
34	MP3C	X	67.357	5.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

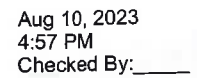
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP3C	Z	-116.665	5.5
36	MP3C	Mx	-.111	5.5
37	MP5A	X	26.507	2
38	MP5A	Z	-45.912	2
39	MP5A	Mx	-.013	2
40	MP5A	X	26.507	4
41	MP5A	Z	-45.912	4
42	MP5A	Mx	-.013	4
43	MP5B	X	11.545	2
44	MP5B	Z	-19.997	2
45	MP5B	Mx	.011	2
46	MP5B	X	11.545	4
47	MP5B	Z	-19.997	4
48	MP5B	Mx	.011	4
49	MP5C	X	26.507	2
50	MP5C	Z	-45.912	2
51	MP5C	Mx	-.013	2
52	MP5C	X	26.507	4
53	MP5C	Z	-45.912	4
54	MP5C	Mx	-.013	4
55	MP4A	X	36.968	.5
56	MP4A	Z	-64.031	.5
57	MP4A	Mx	-.013	.5
58	MP4A	X	36.968	3.5
59	MP4A	Z	-64.031	3.5
60	MP4A	Mx	-.013	3.5
61	MP4B	X	23.461	.5
62	MP4B	Z	-40.636	.5
63	MP4B	Mx	.023	.5
64	MP4B	X	23.461	3.5
65	MP4B	Z	-40.636	3.5
66	MP4B	Mx	.023	3.5
67	MP4C	X	32.277	.5
68	MP4C	Z	-55.906	.5
69	MP4C	Mx	-.021	.5
70	MP4C	X	32.277	3.5
71	MP4C	Z	-55.906	3.5
72	MP4C	Mx	-.021	3.5
73	MP1A	X	11.503	2
74	MP1A	Z	-19.923	2
75	MP1A	Mx	-.006	2
76	MP1B	X	3.172	2
77	MP1B	Z	-5.494	2
78	MP1B	Mx	.003	2
79	MP1C	X	11.503	2
80	MP1C	Z	-19.923	2
81	MP1C	Mx	-.006	2
82	M50	X	4.903	2
83	M50	Z	-8.492	2
84	M50	Mx	0	2
85	M41	X	18.427	1.5
86	M41	Z	-31.917	1.5
87	M41	Mx	0	1.5
88	M188A	X	32.118	2
89	M188A	Z	-55.631	2
90	M188A	Mx	0	2
91	M51	X	4.903	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	M51	Z	-8.492	2
93	M51	Mx	0	2
94	M200	X	4.903	2
95	M200	Z	-8.492	2
96	M200	Mx	.004	2
97	MP3A	X	23.009	.5
98	MP3A	Z	-39.853	.5
99	MP3A	Mx	.012	.5
100	MP3B	X	17.071	.5
101	MP3B	Z	-29.568	.5
102	MP3B	Mx	-.017	.5
103	MP3C	X	23.009	.5
104	MP3C	Z	-39.853	.5
105	MP3C	Mx	.012	.5
106	M49	X	18.427	1.5
107	M49	Z	-31.917	1.5
108	M49	Mx	0	1.5
109	M45	X	18.427	1.5
110	M45	Z	-31.917	1.5
111	M45	Mx	0	1.5
112	M188A	X	32.118	2
113	M188A	Z	-55.631	2
114	M188A	Mx	0	2
115	MP3A	X	7.767	2
116	MP3A	Z	-13.453	2
117	MP3A	Mx	.000447	2
118	MP3A	X	7.767	3
119	MP3A	Z	-13.453	3
120	MP3A	Mx	.000447	3
121	MP3B	X	7.786	2
122	MP3B	Z	-13.486	2
123	MP3B	Mx	-.014	2
124	MP3B	X	7.786	3
125	MP3B	Z	-13.486	3
126	MP3B	Mx	-.014	3
127	MP3A	X	7.767	2
128	MP3A	Z	-13.453	2
129	MP3A	Mx	.01	2
130	MP3A	X	7.767	3
131	MP3A	Z	-13.453	3
132	MP3A	Mx	.01	3
133	MP3B	X	7.786	2
134	MP3B	Z	-13.486	2
135	MP3B	Mx	-.016	2
136	MP3B	X	7.786	3
137	MP3B	Z	-13.486	3
138	MP3B	Mx	-.016	3
139	M48	X	12.564	.25
140	M48	Z	-21.762	.25
141	M48	Mx	0	.25
142	M48	X	12.564	1.25
143	M48	Z	-21.762	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
--	--------------	-----------	--------------------	----------------



Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
1	MP3A	X	94.766	.5
2	MP3A	Z	-54.713	.5
3	MP3A	Mx	-.084	.5
4	MP3A	X	94.766	5.5
5	MP3A	Z	-54.713	5.5
6	MP3A	Mx	-.084	5.5
7	MP3B	X	88.939	.5
8	MP3B	Z	-51.349	.5
9	MP3B	Mx	.025	.5
10	MP3B	X	88.939	5.5
11	MP3B	Z	-51.349	5.5
12	MP3B	Mx	.025	5.5
13	MP3C	X	127.615	.5
14	MP3C	Z	-73.678	.5
15	MP3C	Mx	.098	.5
16	MP3C	X	127.615	5.5
17	MP3C	Z	-73.678	5.5
18	MP3C	Mx	.098	5.5
19	MP3A	X	94.766	.5
20	MP3A	Z	-54.713	.5
21	MP3A	Mx	-.011	.5
22	MP3A	X	94.766	5.5
23	MP3A	Z	-54.713	5.5
24	MP3A	Mx	-.011	5.5
25	MP3B	X	88.939	.5
26	MP3B	Z	-51.349	.5
27	MP3B	Mx	.072	.5
28	MP3B	X	88.939	5.5
29	MP3B	Z	-51.349	5.5
30	MP3B	Mx	.072	5.5
31	MP3C	X	127.615	.5
32	MP3C	Z	-73.678	.5
33	MP3C	Mx	-.098	.5
34	MP3C	X	127.615	5.5
35	MP3C	Z	-73.678	5.5
36	MP3C	Mx	-.098	5.5
37	MP5A	X	27.911	2
38	MP5A	Z	-16.115	2
39	MP5A	Mx	-.014	2
40	MP5A	X	27.911	4
41	MP5A	Z	-16.115	4
42	MP5A	Mx	-.014	4
43	MP5B	X	23.122	2
44	MP5B	Z	-13.35	2
45	MP5B	Mx	.013	2
46	MP5B	X	23.122	4
47	MP5B	Z	-13.35	4
48	MP5B	Mx	.013	4
49	MP5C	X	54.912	2
50	MP5C	Z	-31.704	2
51	MP5C	Mx	0	2
52	MP5C	X	54.912	4
53	MP5C	Z	-31.704	4
54	MP5C	Mx	0	4
55	MP4A	X	51.142	.5
56	MP4A	Z	-29.527	.5
57	MP4A	Mx	-.023	.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP4A	X	51.142	3.5
59	MP4A	Z	-29.527	3.5
60	MP4A	Mx	-.023	3.5
61	MP4B	X	43.017	.5
62	MP4B	Z	-24.836	.5
63	MP4B	Mx	.023	.5
64	MP4B	X	43.017	3.5
65	MP4B	Z	-24.836	3.5
66	MP4B	Mx	.023	3.5
67	MP4C	X	66.412	.5
68	MP4C	Z	-38.343	.5
69	MP4C	Mx	-.007	.5
70	MP4C	X	66.412	3.5
71	MP4C	Z	-38.343	3.5
72	MP4C	Mx	-.007	3.5
73	MP1A	X	9.901	2
74	MP1A	Z	-5.716	2
75	MP1A	Mx	-.005	2
76	MP1B	X	7.235	2
77	MP1B	Z	-4.177	2
78	MP1B	Mx	.004	2
79	MP1C	X	24.935	2
80	MP1C	Z	-14.396	2
81	MP1C	Mx	0	2
82	M50	X	7.269	2
83	M50	Z	-4.196	2
84	M50	Mx	0	2
85	M41	X	24.405	1.5
86	M41	Z	-14.09	1.5
87	M41	Mx	0	1.5
88	M188A	X	46.225	2
89	M188A	Z	-26.688	2
90	M188A	Mx	0	2
91	M51	X	7.269	2
92	M51	Z	-4.196	2
93	M51	Mx	0	2
94	M200	X	7.269	2
95	M200	Z	-4.196	2
96	M200	Mx	.004	2
97	MP3A	X	32.709	.5
98	MP3A	Z	-18.885	.5
99	MP3A	Mx	.016	.5
100	MP3B	X	30.809	.5
101	MP3B	Z	-17.787	.5
102	MP3B	Mx	-.017	.5
103	MP3C	X	43.425	.5
104	MP3C	Z	-25.072	.5
105	MP3C	Mx	0	.5
106	M49	X	24.405	1.5
107	M49	Z	-14.09	1.5
108	M49	Mx	0	1.5
109	M45	X	24.405	1.5
110	M45	Z	-14.09	1.5
111	M45	Mx	0	1.5
112	M188A	X	46.225	2
113	M188A	Z	-26.688	2
114	M188A	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP3A	X	13.471	2
116	MP3A	Z	-7.778	2
117	MP3A	Mx	.009	2
118	MP3A	X	13.471	3
119	MP3A	Z	-7.778	3
120	MP3A	Mx	.009	3
121	MP3B	X	13.483	2
122	MP3B	Z	-7.784	2
123	MP3B	Mx	-.016	2
124	MP3B	X	13.483	3
125	MP3B	Z	-7.784	3
126	MP3B	Mx	-.016	3
127	MP3A	X	13.471	2
128	MP3A	Z	-7.778	2
129	MP3A	Mx	.015	2
130	MP3A	X	13.471	3
131	MP3A	Z	-7.778	3
132	MP3A	Mx	.015	3
133	MP3B	X	13.483	2
134	MP3B	Z	-7.784	2
135	MP3B	Mx	-.013	2
136	MP3B	X	13.483	3
137	MP3B	Z	-7.784	3
138	MP3B	Mx	-.013	3
139	M48	X	1.588	.25
140	M48	Z	-.917	.25
141	M48	Mx	0	.25
142	M48	X	1.588	1.25
143	M48	Z	-.917	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	96.782	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.048	.5
4	MP3A	X	96.782	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.048	5.5
7	MP3B	X	126.461	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.024	.5
10	MP3B	X	126.461	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.024	5.5
13	MP3C	X	134.713	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.111	.5
16	MP3C	X	134.713	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.111	5.5
19	MP3A	X	96.782	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.048	.5
22	MP3A	X	96.782	5.5
23	MP3A	Z	0	5.5

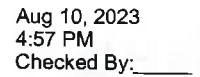
Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
24	MP3A	Mx	-.048	5.5
25	MP3B	X	126.461	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.105	.5
28	MP3B	X	126.461	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.105	5.5
31	MP3C	X	134.713	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.044	.5
34	MP3C	X	134.713	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.044	5.5
37	MP5A	X	21.837	2
38	MP5A	Z	0	2
39	MP5A	Mx	-.011	2
40	MP5A	X	21.837	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.011	4
43	MP5B	X	46.231	2
44	MP5B	Z	0	2
45	MP5B	Mx	.015	2
46	MP5B	X	46.231	4
47	MP5B	Z	0	4
48	MP5B	Mx	.015	4
49	MP5C	X	53.015	2
50	MP5C	Z	0	2
51	MP5C	Mx	.013	2
52	MP5C	X	53.015	4
53	MP5C	Z	0	4
54	MP5C	Mx	.013	4
55	MP4A	X	46.922	.5
56	MP4A	Z	0	.5
57	MP4A	Mx	-.023	.5
58	MP4A	X	46.922	3.5
59	MP4A	Z	0	3.5
60	MP4A	Mx	-.023	3.5
61	MP4B	X	64.554	.5
62	MP4B	Z	0	.5
63	MP4B	Mx	.021	.5
64	MP4B	X	64.554	3.5
65	MP4B	Z	0	3.5
66	MP4B	Mx	.021	3.5
67	MP4C	X	73.936	.5
68	MP4C	Z	0	.5
69	MP4C	Mx	.013	.5
70	MP4C	X	73.936	3.5
71	MP4C	Z	0	3.5
72	MP4C	Mx	.013	3.5
73	MP1A	X	5.646	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.003	2
76	MP1B	X	19.229	2
77	MP1B	Z	0	2
78	MP1B	Mx	.006	2
79	MP1C	X	23.006	2
80	MP1C	Z	0	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1C	Mx	.006	2
82	M50	X	8.713	2
83	M50	Z	0	2
84	M50	Mx	0	2
85	M41	X	30.147	1.5
86	M41	Z	0	1.5
87	M41	Mx	0	1.5
88	M188A	X	55.838	2
89	M188A	Z	0	2
90	M188A	Mx	0	2
91	M51	X	8.713	2
92	M51	Z	0	2
93	M51	Mx	0	2
94	M200	X	8.713	2
95	M200	Z	0	2
96	M200	Mx	.004	2
97	MP3A	X	33.645	.5
98	MP3A	Z	0	.5
99	MP3A	Mx	.017	.5
100	MP3B	X	43.326	.5
101	MP3B	Z	0	.5
102	MP3B	Mx	-.014	.5
103	MP3C	X	46.019	.5
104	MP3C	Z	0	.5
105	MP3C	Mx	-.012	.5
106	M49	X	30.147	1.5
107	M49	Z	0	1.5
108	M49	Mx	0	1.5
109	M45	X	30.147	1.5
110	M45	Z	0	1.5
111	M45	Mx	0	1.5
112	M188A	X	55.838	2
113	M188A	Z	0	2
114	M188A	Mx	0	2
115	MP3A	X	15.573	2
116	MP3A	Z	0	2
117	MP3A	Mx	.014	2
118	MP3A	X	15.573	3
119	MP3A	Z	0	3
120	MP3A	Mx	.014	3
121	MP3B	X	15.547	2
122	MP3B	Z	0	2
123	MP3B	Mx	-.014	2
124	MP3B	X	15.547	3
125	MP3B	Z	0	3
126	MP3B	Mx	-.014	3
127	MP3A	X	15.573	2
128	MP3A	Z	0	2
129	MP3A	Mx	.016	2
130	MP3A	X	15.573	3
131	MP3A	Z	0	3
132	MP3A	Mx	.016	3
133	MP3B	X	15.547	2
134	MP3B	Z	0	2
135	MP3B	Mx	-.006	2
136	MP3B	X	15.547	3
137	MP3B	Z	0	3





Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP5B	Z	31.077	4
48	MP5B	Mx	.005	4
49	MP5C	X	27.911	2
50	MP5C	Z	16.115	2
51	MP5C	Mx	.014	2
52	MP5C	X	27.911	4
53	MP5C	Z	16.115	4
54	MP5C	Mx	.014	4
55	MP4A	X	43.017	.5
56	MP4A	Z	24.836	.5
57	MP4A	Mx	-.023	.5
58	MP4A	X	43.017	3.5
59	MP4A	Z	24.836	3.5
60	MP4A	Mx	-.023	3.5
61	MP4B	X	66.412	.5
62	MP4B	Z	38.343	.5
63	MP4B	Mx	.007	.5
64	MP4B	X	66.412	3.5
65	MP4B	Z	38.343	3.5
66	MP4B	Mx	.007	3.5
67	MP4C	X	51.142	.5
68	MP4C	Z	29.527	.5
69	MP4C	Mx	.023	.5
70	MP4C	X	51.142	3.5
71	MP4C	Z	29.527	3.5
72	MP4C	Mx	.023	3.5
73	MP1A	X	9.901	2
74	MP1A	Z	5.716	2
75	MP1A	Mx	-.005	2
76	MP1B	X	24.33	2
77	MP1B	Z	14.047	2
78	MP1B	Mx	.002	2
79	MP1C	X	9.901	2
80	MP1C	Z	5.716	2
81	MP1C	Mx	.005	2
82	M50	X	9.046	2
83	M50	Z	5.223	2
84	M50	Mx	0	2
85	M41	X	35.322	1.5
86	M41	Z	20.393	1.5
87	M41	Mx	0	1.5
88	M188A	X	59.895	2
89	M188A	Z	34.58	2
90	M188A	Mx	0	2
91	M51	X	9.046	2
92	M51	Z	5.223	2
93	M51	Mx	0	2
94	M200	X	9.046	2
95	M200	Z	5.223	2
96	M200	Mx	.003	2
97	MP3A	X	32.709	.5
98	MP3A	Z	18.885	.5
99	MP3A	Mx	.016	.5
100	MP3B	X	42.995	.5
101	MP3B	Z	24.823	.5
102	MP3B	Mx	-.004	.5
103	MP3C	X	32.709	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
104	MP3C	Z	18.885	.5
105	MP3C	Mx	-.016	.5
106	M49	X	35.322	1.5
107	M49	Z	20.393	1.5
108	M49	Mx	0	1.5
109	M45	X	35.322	1.5
110	M45	Z	20.393	1.5
111	M45	Mx	0	1.5
112	M188A	X	59.895	2
113	M188A	Z	34.58	2
114	M188A	Mx	0	2
115	MP3A	X	13.483	2
116	MP3A	Z	7.784	2
117	MP3A	Mx	.016	2
118	MP3A	X	13.483	3
119	MP3A	Z	7.784	3
120	MP3A	Mx	.016	3
121	MP3B	X	13.449	2
122	MP3B	Z	7.765	2
123	MP3B	Mx	-.008	2
124	MP3B	X	13.449	3
125	MP3B	Z	7.765	3
126	MP3B	Mx	-.008	3
127	MP3A	X	13.483	2
128	MP3A	Z	7.784	2
129	MP3A	Mx	.013	2
130	MP3A	X	13.483	3
131	MP3A	Z	7.784	3
132	MP3A	Mx	.013	3
133	MP3B	X	13.449	2
134	MP3B	Z	7.765	2
135	MP3B	Mx	.002	2
136	MP3B	X	13.449	3
137	MP3B	Z	7.765	3
138	MP3B	Mx	.002	3
139	M48	X	30.909	.25
140	M48	Z	17.845	.25
141	M48	Mx	0	.25
142	M48	X	30.909	1.25
143	M48	Z	17.845	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	67.357	.5
2	MP3A	Z	116.665	.5
3	MP3A	Mx	.044	.5
4	MP3A	X	67.357	5.5
5	MP3A	Z	116.665	5.5
6	MP3A	Mx	.044	5.5
7	MP3B	X	70.72	.5
8	MP3B	Z	122.491	.5
9	MP3B	Mx	-.113	.5
10	MP3B	X	70.72	5.5
11	MP3B	Z	122.491	5.5
12	MP3B	Mx	-.113	5.5

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

	Member Label	Direction	Magnitude[<u>lb.k-ft</u>]	Location[<u>ft.%</u>]
13	MP3C	X	48.391	.5
14	MP3C	Z	83.816	.5
15	MP3C	Mx	.048	.5
16	MP3C	X	48.391	5.5
17	MP3C	Z	83.816	5.5
18	MP3C	Mx	.048	5.5
19	MP3A	X	67.357	.5
20	MP3A	Z	116.665	.5
21	MP3A	Mx	-.111	.5
22	MP3A	X	67.357	5.5
23	MP3A	Z	116.665	5.5
24	MP3A	Mx	-.111	5.5
25	MP3B	X	70.72	.5
26	MP3B	Z	122.491	.5
27	MP3B	Mx	.064	.5
28	MP3B	X	70.72	5.5
29	MP3B	Z	122.491	5.5
30	MP3B	Mx	.064	5.5
31	MP3C	X	48.391	.5
32	MP3C	Z	83.816	.5
33	MP3C	Mx	.048	.5
34	MP3C	X	48.391	5.5
35	MP3C	Z	83.816	5.5
36	MP3C	Mx	.048	5.5
37	MP5A	X	26.507	2
38	MP5A	Z	45.912	2
39	MP5A	Mx	-.013	2
40	MP5A	X	26.507	4
41	MP5A	Z	45.912	4
42	MP5A	Mx	-.013	4
43	MP5B	X	29.272	2
44	MP5B	Z	50.701	2
45	MP5B	Mx	-.01	2
46	MP5B	X	29.272	4
47	MP5B	Z	50.701	4
48	MP5B	Mx	-.01	4
49	MP5C	X	10.918	2
50	MP5C	Z	18.911	2
51	MP5C	Mx	.011	2
52	MP5C	X	10.918	4
53	MP5C	Z	18.911	4
54	MP5C	Mx	.011	4
55	MP4A	X	32.277	.5
56	MP4A	Z	55.906	.5
57	MP4A	Mx	-.021	.5
58	MP4A	X	32.277	3.5
59	MP4A	Z	55.906	3.5
60	MP4A	Mx	-.021	3.5
61	MP4B	X	36.968	.5
62	MP4B	Z	64.031	.5
63	MP4B	Mx	-.013	.5
64	MP4B	X	36.968	3.5
65	MP4B	Z	64.031	3.5
66	MP4B	Mx	-.013	3.5
67	MP4C	X	23.461	.5
68	MP4C	Z	40.636	.5
69	MP4C	Mx	.023	.5

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

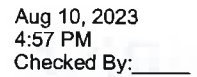
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
70	MP4C	X	23.461	3.5
71	MP4C	Z	40.636	3.5
72	MP4C	Mx	.023	3.5
73	MP1A	X	11.503	2
74	MP1A	Z	19.923	2
75	MP1A	Mx	-.006	2
76	MP1B	X	13.042	2
77	MP1B	Z	22.59	2
78	MP1B	Mx	-.004	2
79	MP1C	X	2.823	2
80	MP1C	Z	4.89	2
81	MP1C	Mx	.003	2
82	M50	X	5.929	2
83	M50	Z	10.27	2
84	M50	Mx	0	2
85	M41	X	24.73	1.5
86	M41	Z	42.834	1.5
87	M41	Mx	0	1.5
88	M188A	X	40.011	2
89	M188A	Z	69.301	2
90	M188A	Mx	0	2
91	M51	X	5.929	2
92	M51	Z	10.27	2
93	M51	Mx	0	2
94	M200	X	5.929	2
95	M200	Z	10.27	2
96	M200	Mx	.001	2
97	MP3A	X	23.009	.5
98	MP3A	Z	39.853	.5
99	MP3A	Mx	.012	.5
100	MP3B	X	24.107	.5
101	MP3B	Z	41.754	.5
102	MP3B	Mx	.008	.5
103	MP3C	X	16.822	.5
104	MP3C	Z	29.137	.5
105	MP3C	Mx	-.017	.5
106	M49	X	24.73	1.5
107	M49	Z	42.834	1.5
108	M49	Mx	0	1.5
109	M45	X	24.73	1.5
110	M45	Z	42.834	1.5
111	M45	Mx	0	1.5
112	M188A	X	40.011	2
113	M188A	Z	69.301	2
114	M188A	Mx	0	2
115	MP3A	X	7.774	2
116	MP3A	Z	13.464	2
117	MP3A	Mx	.014	2
118	MP3A	X	7.774	3
119	MP3A	Z	13.464	3
120	MP3A	Mx	.014	3
121	MP3B	X	7.767	2
122	MP3B	Z	13.453	2
123	MP3B	Mx	.000447	2
124	MP3B	X	7.767	3
125	MP3B	Z	13.453	3
126	MP3B	Mx	.000447	3

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

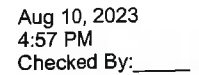
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
127	MP3A	X	7.774	2
128	MP3A	Z	13.464	2
129	MP3A	Mx	.006	2
130	MP3A	X	7.774	3
131	MP3A	Z	13.464	3
132	MP3A	Mx	.006	3
133	MP3B	X	7.767	2
134	MP3B	Z	13.453	2
135	MP3B	Mx	.01	2
136	MP3B	X	7.767	3
137	MP3B	Z	13.453	3
138	MP3B	Mx	.01	3
139	M48	X	29.493	.25
140	M48	Z	51.083	.25
141	M48	Mx	0	.25
142	M48	X	29.493	1.25
143	M48	Z	51.083	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	147.357	.5
3	MP3A	Mx	.098	.5
4	MP3A	X	0	5.5
5	MP3A	Z	147.357	5.5
6	MP3A	Mx	.098	5.5
7	MP3B	X	0	.5
8	MP3B	Z	117.678	.5
9	MP3B	Mx	-.096	.5
10	MP3B	X	0	5.5
11	MP3B	Z	117.678	5.5
12	MP3B	Mx	-.096	5.5
13	MP3C	X	0	.5
14	MP3C	Z	109.426	.5
15	MP3C	Mx	.011	.5
16	MP3C	X	0	5.5
17	MP3C	Z	109.426	5.5
18	MP3C	Mx	.011	5.5
19	MP3A	X	0	.5
20	MP3A	Z	147.357	.5
21	MP3A	Mx	-.098	.5
22	MP3A	X	0	5.5
23	MP3A	Z	147.357	5.5
24	MP3A	Mx	-.098	5.5
25	MP3B	X	0	.5
26	MP3B	Z	117.678	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	0	5.5
29	MP3B	Z	117.678	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	0	.5
32	MP3C	Z	109.426	.5
33	MP3C	Mx	.084	.5
34	MP3C	X	0	5.5
35	MP3C	Z	109.426	5.5



RISA-3D Version 17.0.4 [.....\Rev. 0\RISA\5000386107-VZW MT LO H.r3d] Page 39



Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1 MP3A	X	-67.357	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
2	MP3A	Z	116.665	.5
3	MP3A	Mx	.111	.5
4	MP3A	X	-67.357	5.5
5	MP3A	Z	116.665	5.5
6	MP3A	Mx	.111	5.5
7	MP3B	X	-49.154	.5
8	MP3B	Z	85.137	.5
9	MP3B	Mx	-.06	.5
10	MP3B	X	-49.154	5.5
11	MP3B	Z	85.137	5.5
12	MP3B	Mx	-.06	5.5
13	MP3C	X	-67.357	.5
14	MP3C	Z	116.665	.5
15	MP3C	Mx	-.044	.5
16	MP3C	X	-67.357	5.5
17	MP3C	Z	116.665	5.5
18	MP3C	Mx	-.044	5.5
19	MP3A	X	-67.357	.5
20	MP3A	Z	116.665	.5
21	MP3A	Mx	-.044	.5
22	MP3A	X	-67.357	5.5
23	MP3A	Z	116.665	5.5
24	MP3A	Mx	-.044	5.5
25	MP3B	X	-49.154	.5
26	MP3B	Z	85.137	.5
27	MP3B	Mx	-.037	.5
28	MP3B	X	-49.154	5.5
29	MP3B	Z	85.137	5.5
30	MP3B	Mx	-.037	5.5
31	MP3C	X	-67.357	.5
32	MP3C	Z	116.665	.5
33	MP3C	Mx	.111	.5
34	MP3C	X	-67.357	5.5
35	MP3C	Z	116.665	5.5
36	MP3C	Mx	.111	5.5
37	MP5A	X	-26.507	2
38	MP5A	Z	45.912	2
39	MP5A	Mx	.013	2
40	MP5A	X	-26.507	4
41	MP5A	Z	45.912	4
42	MP5A	Mx	.013	4
43	MP5B	X	-11.545	2
44	MP5B	Z	19.997	2
45	MP5B	Mx	-.011	2
46	MP5B	X	-11.545	4
47	MP5B	Z	19.997	4
48	MP5B	Mx	-.011	4
49	MP5C	X	-26.507	2
50	MP5C	Z	45.912	2
51	MP5C	Mx	.013	2
52	MP5C	X	-26.507	4
53	MP5C	Z	45.912	4
54	MP5C	Mx	.013	4
55	MP4A	X	-36.968	.5
56	MP4A	Z	64.031	.5
57	MP4A	Mx	.013	.5
58	MP4A	X	-36.968	3.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP4A	Z	64.031	3.5
60	MP4A	Mx	.013	3.5
61	MP4B	X	-23.461	.5
62	MP4B	Z	40.636	.5
63	MP4B	Mx	-.023	.5
64	MP4B	X	-23.461	3.5
65	MP4B	Z	40.636	3.5
66	MP4B	Mx	-.023	3.5
67	MP4C	X	-32.277	.5
68	MP4C	Z	55.906	.5
69	MP4C	Mx	.021	.5
70	MP4C	X	-32.277	3.5
71	MP4C	Z	55.906	3.5
72	MP4C	Mx	.021	3.5
73	MP1A	X	-11.503	2
74	MP1A	Z	19.923	2
75	MP1A	Mx	.006	2
76	MP1B	X	-3.172	2
77	MP1B	Z	5.494	2
78	MP1B	Mx	-.003	2
79	MP1C	X	-11.503	2
80	MP1C	Z	19.923	2
81	MP1C	Mx	.006	2
82	M50	X	-4.903	2
83	M50	Z	8.492	2
84	M50	Mx	0	2
85	M41	X	-18.427	1.5
86	M41	Z	31.917	1.5
87	M41	Mx	0	1.5
88	M188A	X	-32.118	2
89	M188A	Z	55.631	2
90	M188A	Mx	0	2
91	M51	X	-4.903	2
92	M51	Z	8.492	2
93	M51	Mx	0	2
94	M200	X	-4.903	2
95	M200	Z	8.492	2
96	M200	Mx	-.004	2
97	MP3A	X	-23.009	.5
98	MP3A	Z	39.853	.5
99	MP3A	Mx	-.012	.5
100	MP3B	X	-17.071	.5
101	MP3B	Z	29.568	.5
102	MP3B	Mx	.017	.5
103	MP3C	X	-23.009	.5
104	MP3C	Z	39.853	.5
105	MP3C	Mx	-.012	.5
106	M49	X	-18.427	1.5
107	M49	Z	31.917	1.5
108	M49	Mx	0	1.5
109	M45	X	-18.427	1.5
110	M45	Z	31.917	1.5
111	M45	Mx	0	1.5
112	M188A	X	-32.118	2
113	M188A	Z	55.631	2
114	M188A	Mx	0	2
115	MP3A	X	-7.767	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
116	MP3A	Z	13.453	2
117	MP3A	Mx	-.000447	2
118	MP3A	X	-7.767	3
119	MP3A	Z	13.453	3
120	MP3A	Mx	-.000447	3
121	MP3B	X	-7.786	2
122	MP3B	Z	13.486	2
123	MP3B	Mx	.014	2
124	MP3B	X	-7.786	3
125	MP3B	Z	13.486	3
126	MP3B	Mx	.014	3
127	MP3A	X	-7.767	2
128	MP3A	Z	13.453	2
129	MP3A	Mx	-.01	2
130	MP3A	X	-7.767	3
131	MP3A	Z	13.453	3
132	MP3A	Mx	-.01	3
133	MP3B	X	-7.786	2
134	MP3B	Z	13.486	2
135	MP3B	Mx	.016	2
136	MP3B	X	-7.786	3
137	MP3B	Z	13.486	3
138	MP3B	Mx	.016	3
139	M48	X	-12.564	.25
140	M48	Z	21.762	.25
141	M48	Mx	0	.25
142	M48	X	-12.564	1.25
143	M48	Z	21.762	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-94.766	.5
2	MP3A	Z	54.713	.5
3	MP3A	Mx	.084	.5
4	MP3A	X	-94.766	5.5
5	MP3A	Z	54.713	5.5
6	MP3A	Mx	.084	5.5
7	MP3B	X	-88.939	.5
8	MP3B	Z	51.349	.5
9	MP3B	Mx	-.025	.5
10	MP3B	X	-88.939	5.5
11	MP3B	Z	51.349	5.5
12	MP3B	Mx	-.025	5.5
13	MP3C	X	-127.615	.5
14	MP3C	Z	73.678	.5
15	MP3C	Mx	-.098	.5
16	MP3C	X	-127.615	5.5
17	MP3C	Z	73.678	5.5
18	MP3C	Mx	-.098	5.5
19	MP3A	X	-94.766	.5
20	MP3A	Z	54.713	.5
21	MP3A	Mx	.011	.5
22	MP3A	X	-94.766	5.5
23	MP3A	Z	54.713	5.5
24	MP3A	Mx	.011	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP3B	X	-88.939	.5
26	MP3B	Z	51.349	.5
27	MP3B	Mx	-.072	.5
28	MP3B	X	-88.939	5.5
29	MP3B	Z	51.349	5.5
30	MP3B	Mx	-.072	5.5
31	MP3C	X	-127.615	.5
32	MP3C	Z	73.678	.5
33	MP3C	Mx	.098	.5
34	MP3C	X	-127.615	5.5
35	MP3C	Z	73.678	5.5
36	MP3C	Mx	.098	5.5
37	MP5A	X	-27.911	2
38	MP5A	Z	16.115	2
39	MP5A	Mx	.014	2
40	MP5A	X	-27.911	4
41	MP5A	Z	16.115	4
42	MP5A	Mx	.014	4
43	MP5B	X	-23.122	2
44	MP5B	Z	13.35	2
45	MP5B	Mx	-.013	2
46	MP5B	X	-23.122	4
47	MP5B	Z	13.35	4
48	MP5B	Mx	-.013	4
49	MP5C	X	-54.912	2
50	MP5C	Z	31.704	2
51	MP5C	Mx	0	2
52	MP5C	X	-54.912	4
53	MP5C	Z	31.704	4
54	MP5C	Mx	0	4
55	MP4A	X	-51.142	.5
56	MP4A	Z	29.527	.5
57	MP4A	Mx	.023	.5
58	MP4A	X	-51.142	3.5
59	MP4A	Z	29.527	3.5
60	MP4A	Mx	.023	3.5
61	MP4B	X	-43.017	.5
62	MP4B	Z	24.836	.5
63	MP4B	Mx	-.023	.5
64	MP4B	X	-43.017	3.5
65	MP4B	Z	24.836	3.5
66	MP4B	Mx	-.023	3.5
67	MP4C	X	-66.412	.5
68	MP4C	Z	38.343	.5
69	MP4C	Mx	.007	.5
70	MP4C	X	-66.412	3.5
71	MP4C	Z	38.343	3.5
72	MP4C	Mx	.007	3.5
73	MP1A	X	-9.901	2
74	MP1A	Z	5.716	2
75	MP1A	Mx	.005	2
76	MP1B	X	-7.235	2
77	MP1B	Z	4.177	2
78	MP1B	Mx	-.004	2
79	MP1C	X	-24.935	2
80	MP1C	Z	14.396	2
81	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
82	M50	X	-7.269	2
83	M50	Z	4.196	2
84	M50	Mx	0	2
85	M41	X	-24.405	1.5
86	M41	Z	14.09	1.5
87	M41	Mx	0	1.5
88	M188A	X	-46.225	2
89	M188A	Z	26.688	2
90	M188A	Mx	0	2
91	M51	X	-7.269	2
92	M51	Z	4.196	2
93	M51	Mx	0	2
94	M200	X	-7.269	2
95	M200	Z	4.196	2
96	M200	Mx	-.004	2
97	MP3A	X	-32.709	.5
98	MP3A	Z	18.885	.5
99	MP3A	Mx	-.016	.5
100	MP3B	X	-30.809	.5
101	MP3B	Z	17.787	.5
102	MP3B	Mx	.017	.5
103	MP3C	X	-43.425	.5
104	MP3C	Z	25.072	.5
105	MP3C	Mx	0	.5
106	M49	X	-24.405	1.5
107	M49	Z	14.09	1.5
108	M49	Mx	0	1.5
109	M45	X	-24.405	1.5
110	M45	Z	14.09	1.5
111	M45	Mx	0	1.5
112	M188A	X	-46.225	2
113	M188A	Z	26.688	2
114	M188A	Mx	0	2
115	MP3A	X	-13.471	2
116	MP3A	Z	7.778	2
117	MP3A	Mx	-.009	2
118	MP3A	X	-13.471	3
119	MP3A	Z	7.778	3
120	MP3A	Mx	-.009	3
121	MP3B	X	-13.483	2
122	MP3B	Z	7.784	2
123	MP3B	Mx	.016	2
124	MP3B	X	-13.483	3
125	MP3B	Z	7.784	3
126	MP3B	Mx	.016	3
127	MP3A	X	-13.471	2
128	MP3A	Z	7.778	2
129	MP3A	Mx	-.015	2
130	MP3A	X	-13.471	3
131	MP3A	Z	7.778	3
132	MP3A	Mx	-.015	3
133	MP3B	X	-13.483	2
134	MP3B	Z	7.784	2
135	MP3B	Mx	.013	2
136	MP3B	X	-13.483	3
137	MP3B	Z	7.784	3
138	MP3B	Mx	.013	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
139	M48	X	-1.588	.25
140	M48	Z	.917	.25
141	M48	Mx	0	.25
142	M48	X	-1.588	1.25
143	M48	Z	.917	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-96.782	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.048	.5
4	MP3A	X	-96.782	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.048	5.5
7	MP3B	X	-126.461	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.024	.5
10	MP3B	X	-126.461	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.024	5.5
13	MP3C	X	-134.713	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.111	.5
16	MP3C	X	-134.713	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.111	5.5
19	MP3A	X	-96.782	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.048	.5
22	MP3A	X	-96.782	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.048	5.5
25	MP3B	X	-126.461	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.105	.5
28	MP3B	X	-126.461	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.105	5.5
31	MP3C	X	-134.713	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.044	.5
34	MP3C	X	-134.713	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.044	5.5
37	MP5A	X	-21.837	2
38	MP5A	Z	0	2
39	MP5A	Mx	.011	2
40	MP5A	X	-21.837	4
41	MP5A	Z	0	4
42	MP5A	Mx	.011	4
43	MP5B	X	-46.231	2
44	MP5B	Z	0	2
45	MP5B	Mx	-.015	2
46	MP5B	X	-46.231	4
47	MP5B	Z	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
48	MP5B	Mx	- .015	4
49	MP5C	X	-53.015	2
50	MP5C	Z	0	2
51	MP5C	Mx	- .013	2
52	MP5C	X	-53.015	4
53	MP5C	Z	0	4
54	MP5C	Mx	- .013	4
55	MP4A	X	-46.922	.5
56	MP4A	Z	0	.5
57	MP4A	Mx	.023	.5
58	MP4A	X	-46.922	3.5
59	MP4A	Z	0	3.5
60	MP4A	Mx	.023	3.5
61	MP4B	X	-64.554	.5
62	MP4B	Z	0	.5
63	MP4B	Mx	- .021	.5
64	MP4B	X	-64.554	3.5
65	MP4B	Z	0	3.5
66	MP4B	Mx	- .021	3.5
67	MP4C	X	-73.936	.5
68	MP4C	Z	0	.5
69	MP4C	Mx	- .013	.5
70	MP4C	X	-73.936	3.5
71	MP4C	Z	0	3.5
72	MP4C	Mx	- .013	3.5
73	MP1A	X	-5.646	2
74	MP1A	Z	0	2
75	MP1A	Mx	.003	2
76	MP1B	X	-19.229	2
77	MP1B	Z	0	2
78	MP1B	Mx	- .006	2
79	MP1C	X	-23.006	2
80	MP1C	Z	0	2
81	MP1C	Mx	- .006	2
82	M50	X	-8.713	2
83	M50	Z	0	2
84	M50	Mx	0	2
85	M41	X	-30.147	1.5
86	M41	Z	0	1.5
87	M41	Mx	0	1.5
88	M188A	X	-55.838	2
89	M188A	Z	0	2
90	M188A	Mx	0	2
91	M51	X	-8.713	2
92	M51	Z	0	2
93	M51	Mx	0	2
94	M200	X	-8.713	2
95	M200	Z	0	2
96	M200	Mx	- .004	2
97	MP3A	X	-33.645	.5
98	MP3A	Z	0	.5
99	MP3A	Mx	- .017	.5
100	MP3B	X	-43.326	.5
101	MP3B	Z	0	.5
102	MP3B	Mx	.014	.5
103	MP3C	X	-46.019	.5
104	MP3C	Z	0	.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

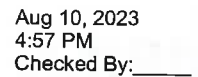
Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
105	MP3C	Mx	.012	.5
106	M49	X	-30.147	1.5
107	M49	Z	0	1.5
108	M49	Mx	0	1.5
109	M45	X	-30.147	1.5
110	M45	Z	0	1.5
111	M45	Mx	0	1.5
112	M188A	X	-55.838	2
113	M188A	Z	0	2
114	M188A	Mx	0	2
115	MP3A	X	-15.573	2
116	MP3A	Z	0	2
117	MP3A	Mx	-.014	2
118	MP3A	X	-15.573	3
119	MP3A	Z	0	3
120	MP3A	Mx	-.014	3
121	MP3B	X	-15.547	2
122	MP3B	Z	0	2
123	MP3B	Mx	.014	2
124	MP3B	X	-15.547	3
125	MP3B	Z	0	3
126	MP3B	Mx	.014	3
127	MP3A	X	-15.573	2
128	MP3A	Z	0	2
129	MP3A	Mx	-.016	2
130	MP3A	X	-15.573	3
131	MP3A	Z	0	3
132	MP3A	Mx	-.016	3
133	MP3B	X	-15.547	2
134	MP3B	Z	0	2
135	MP3B	Mx	.006	2
136	MP3B	X	-15.547	3
137	MP3B	Z	0	3
138	MP3B	Mx	.006	3
139	M48	X	-7.114	.25
140	M48	Z	0	.25
141	M48	Mx	0	.25
142	M48	X	-7.114	1.25
143	M48	Z	0	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-94.766	.5
2	MP3A	Z	-54.713	.5
3	MP3A	Mx	.011	.5
4	MP3A	X	-94.766	5.5
5	MP3A	Z	-54.713	5.5
6	MP3A	Mx	.011	5.5
7	MP3B	X	-126.294	.5
8	MP3B	Z	-72.916	.5
9	MP3B	Mx	.083	.5
10	MP3B	X	-126.294	5.5
11	MP3B	Z	-72.916	5.5
12	MP3B	Mx	.083	5.5
13	MP3C	X	-94.766	.5



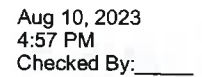


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

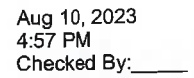
Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4C	Z	-29.527	3.5
72	MP4C	Mx	-.023	3.5
73	MP1A	X	-9.901	2
74	MP1A	Z	-5.716	2
75	MP1A	Mx	.005	2
76	MP1B	X	-24.33	2
77	MP1B	Z	-14.047	2
78	MP1B	Mx	-.002	2
79	MP1C	X	-9.901	2
80	MP1C	Z	-5.716	2
81	MP1C	Mx	-.005	2
82	M50	X	-9.046	2
83	M50	Z	-5.223	2
84	M50	Mx	0	2
85	M41	X	-35.322	1.5
86	M41	Z	-20.393	1.5
87	M41	Mx	0	1.5
88	M188A	X	-59.895	2
89	M188A	Z	-34.58	2
90	M188A	Mx	0	2
91	M51	X	-9.046	2
92	M51	Z	-5.223	2
93	M51	Mx	0	2
94	M200	X	-9.046	2
95	M200	Z	-5.223	2
96	M200	Mx	-.003	2
97	MP3A	X	-32.709	.5
98	MP3A	Z	-18.885	.5
99	MP3A	Mx	-.016	.5
100	MP3B	X	-42.995	.5
101	MP3B	Z	-24.823	.5
102	MP3B	Mx	.004	.5
103	MP3C	X	-32.709	.5
104	MP3C	Z	-18.885	.5
105	MP3C	Mx	.016	.5
106	M49	X	-35.322	1.5
107	M49	Z	-20.393	1.5
108	M49	Mx	0	1.5
109	M45	X	-35.322	1.5
110	M45	Z	-20.393	1.5
111	M45	Mx	0	1.5
112	M188A	X	-59.895	2
113	M188A	Z	-34.58	2
114	M188A	Mx	0	2
115	MP3A	X	-13.483	2
116	MP3A	Z	-7.784	2
117	MP3A	Mx	-.016	2
118	MP3A	X	-13.483	3
119	MP3A	Z	-7.784	3
120	MP3A	Mx	-.016	3
121	MP3B	X	-13.449	2
122	MP3B	Z	-7.765	2
123	MP3B	Mx	.008	2
124	MP3B	X	-13.449	3
125	MP3B	Z	-7.765	3
126	MP3B	Mx	.008	3
127	MP3A	X	-13.483	2



Page 51



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP5A	X	-26.507	2
38	MP5A	Z	-45.912	2
39	MP5A	Mx	.013	2
40	MP5A	X	-26.507	4
41	MP5A	Z	-45.912	4
42	MP5A	Mx	.013	4
43	MP5B	X	-29.272	2
44	MP5B	Z	-50.701	2
45	MP5B	Mx	.01	2
46	MP5B	X	-29.272	4
47	MP5B	Z	-50.701	4
48	MP5B	Mx	.01	4
49	MP5C	X	-10.918	2
50	MP5C	Z	-18.911	2
51	MP5C	Mx	-.011	2
52	MP5C	X	-10.918	4
53	MP5C	Z	-18.911	4
54	MP5C	Mx	-.011	4
55	MP4A	X	-32.277	.5
56	MP4A	Z	-55.906	.5
57	MP4A	Mx	.021	.5
58	MP4A	X	-32.277	3.5
59	MP4A	Z	-55.906	3.5
60	MP4A	Mx	.021	3.5
61	MP4B	X	-36.968	.5
62	MP4B	Z	-64.031	.5
63	MP4B	Mx	.013	.5
64	MP4B	X	-36.968	3.5
65	MP4B	Z	-64.031	3.5
66	MP4B	Mx	.013	3.5
67	MP4C	X	-23.461	.5
68	MP4C	Z	-40.636	.5
69	MP4C	Mx	-.023	.5
70	MP4C	X	-23.461	3.5
71	MP4C	Z	-40.636	3.5
72	MP4C	Mx	-.023	3.5
73	MP1A	X	-11.503	2
74	MP1A	Z	-19.923	2
75	MP1A	Mx	.006	2
76	MP1B	X	-13.042	2
77	MP1B	Z	-22.59	2
78	MP1B	Mx	.004	2
79	MP1C	X	-2.823	2
80	MP1C	Z	-4.89	2
81	MP1C	Mx	-.003	2
82	M50	X	-5.929	2
83	M50	Z	-10.27	2
84	M50	Mx	0	2
85	M41	X	-24.73	1.5
86	M41	Z	-42.834	1.5
87	M41	Mx	0	1.5
88	M188A	X	-40.011	2
89	M188A	Z	-69.301	2
90	M188A	Mx	0	2
91	M51	X	-5.929	2
92	M51	Z	-10.27	2
93	M51	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	M200	X	-5.929	2
95	M200	Z	-10.27	2
96	M200	Mx	-.001	2
97	MP3A	X	-23.009	.5
98	MP3A	Z	-39.853	.5
99	MP3A	Mx	-.012	.5
100	MP3B	X	-24.107	.5
101	MP3B	Z	-41.754	.5
102	MP3B	Mx	-.008	.5
103	MP3C	X	-16.822	.5
104	MP3C	Z	-29.137	.5
105	MP3C	Mx	.017	.5
106	M49	X	-24.73	1.5
107	M49	Z	-42.834	1.5
108	M49	Mx	0	1.5
109	M45	X	-24.73	1.5
110	M45	Z	-42.834	1.5
111	M45	Mx	0	1.5
112	M188A	X	-40.011	2
113	M188A	Z	-69.301	2
114	M188A	Mx	0	2
115	MP3A	X	-7.774	2
116	MP3A	Z	-13.464	2
117	MP3A	Mx	-.014	2
118	MP3A	X	-7.774	3
119	MP3A	Z	-13.464	3
120	MP3A	Mx	-.014	3
121	MP3B	X	-7.767	2
122	MP3B	Z	-13.453	2
123	MP3B	Mx	-.000447	2
124	MP3B	X	-7.767	3
125	MP3B	Z	-13.453	3
126	MP3B	Mx	-.000447	3
127	MP3A	X	-7.774	2
128	MP3A	Z	-13.464	2
129	MP3A	Mx	-.006	2
130	MP3A	X	-7.774	3
131	MP3A	Z	-13.464	3
132	MP3A	Mx	-.006	3
133	MP3B	X	-7.767	2
134	MP3B	Z	-13.453	2
135	MP3B	Mx	-.01	2
136	MP3B	X	-7.767	3
137	MP3B	Z	-13.453	3
138	MP3B	Mx	-.01	3
139	M48	X	-29.493	.25
140	M48	Z	-51.083	.25
141	M48	Mx	0	.25
142	M48	X	-29.493	1.25
143	M48	Z	-51.083	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	-28.009	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
3	MP3A	Mx	-.019	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-28.009	5.5
6	MP3A	Mx	-.019	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-22.781	.5
9	MP3B	Mx	.018	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-22.781	5.5
12	MP3B	Mx	.018	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-21.327	.5
15	MP3C	Mx	-.002	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-21.327	5.5
18	MP3C	Mx	-.002	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-28.009	.5
21	MP3A	Mx	.019	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-28.009	5.5
24	MP3A	Mx	.019	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-22.781	.5
27	MP3B	Mx	-.001	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-22.781	5.5
30	MP3B	Mx	-.001	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-21.327	.5
33	MP3C	Mx	-.016	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-21.327	5.5
36	MP3C	Mx	-.016	5.5
37	MP5A	X	0	2
38	MP5A	Z	-14.894	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	-14.894	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	-9.873	2
45	MP5B	Mx	.004	2
46	MP5B	X	0	4
47	MP5B	Z	-9.873	4
48	MP5B	Mx	.004	4
49	MP5C	X	0	2
50	MP5C	Z	-8.478	2
51	MP5C	Mx	-.004	2
52	MP5C	X	0	4
53	MP5C	Z	-8.478	4
54	MP5C	Mx	-.004	4
55	MP4A	X	0	.5
56	MP4A	Z	-15.044	.5
57	MP4A	Mx	.001	.5
58	MP4A	X	0	3.5
59	MP4A	Z	-15.044	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP4A	Mx	.001	3.5
61	MP4B	X	0	.5
62	MP4B	Z	-11.875	.5
63	MP4B	Mx	.005	.5
64	MP4B	X	0	3.5
65	MP4B	Z	-11.875	3.5
66	MP4B	Mx	.005	3.5
67	MP4C	X	0	.5
68	MP4C	Z	-10.189	.5
69	MP4C	Mx	-.005	.5
70	MP4C	X	0	3.5
71	MP4C	Z	-10.189	3.5
72	MP4C	Mx	-.005	3.5
73	MP1A	X	0	2
74	MP1A	Z	-6.462	2
75	MP1A	Mx	0	2
76	MP1B	X	0	2
77	MP1B	Z	-3.781	2
78	MP1B	Mx	.001	2
79	MP1C	X	0	2
80	MP1C	Z	-3.035	2
81	MP1C	Mx	-.001	2
82	M50	X	0	2
83	M50	Z	-2.951	2
84	M50	Mx	0	2
85	M41	X	0	1.5
86	M41	Z	-11.929	1.5
87	M41	Mx	0	1.5
88	M188A	X	0	2
89	M188A	Z	-15.734	2
90	M188A	Mx	0	2
91	M51	X	0	2
92	M51	Z	-2.951	2
93	M51	Mx	0	2
94	M200	X	0	2
95	M200	Z	-2.951	2
96	M200	Mx	.000505	2
97	MP3A	X	0	.5
98	MP3A	Z	-12.546	.5
99	MP3A	Mx	0	.5
100	MP3B	X	0	.5
101	MP3B	Z	-10.303	.5
102	MP3B	Mx	-.004	.5
103	MP3C	X	0	.5
104	MP3C	Z	-9.679	.5
105	MP3C	Mx	.004	.5
106	M49	X	0	1.5
107	M49	Z	-11.929	1.5
108	M49	Mx	0	1.5
109	M45	X	0	1.5
110	M45	Z	-11.929	1.5
111	M45	Mx	0	1.5
112	M188A	X	0	2
113	M188A	Z	-15.734	2
114	M188A	Mx	0	2
115	MP3A	X	0	2
116	MP3A	Z	-1.361	2

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

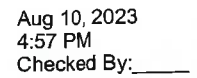
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
117	MP3A	Mx	-.000683	2
118	MP3A	X	0	3
119	MP3A	Z	-1.361	3
120	MP3A	Mx	-.000683	3
121	MP3B	X	0	2
122	MP3B	Z	-2.558	2
123	MP3B	Mx	-.001	2
124	MP3B	X	0	3
125	MP3B	Z	-2.558	3
126	MP3B	Mx	-.001	3
127	MP3A	X	0	2
128	MP3A	Z	-1.361	2
129	MP3A	Mx	.00021	2
130	MP3A	X	0	3
131	MP3A	Z	-1.361	3
132	MP3A	Mx	.00021	3
133	MP3B	X	0	2
134	MP3B	Z	-2.558	2
135	MP3B	Mx	-.003	2
136	MP3B	X	0	3
137	MP3B	Z	-2.558	3
138	MP3B	Mx	-.003	3
139	M48	X	0	.25
140	M48	Z	-14.604	.25
141	M48	Mx	0	.25
142	M48	X	0	1.25
143	M48	Z	-14.604	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	12.891	.5
2	MP3A	Z	-22.328	.5
3	MP3A	Mx	-.021	.5
4	MP3A	X	12.891	5.5
5	MP3A	Z	-22.328	5.5
6	MP3A	Mx	-.021	5.5
7	MP3B	X	9.684	.5
8	MP3B	Z	-16.774	.5
9	MP3B	Mx	.012	.5
10	MP3B	X	9.684	5.5
11	MP3B	Z	-16.774	5.5
12	MP3B	Mx	.012	5.5
13	MP3C	X	12.891	.5
14	MP3C	Z	-22.328	.5
15	MP3C	Mx	.008	.5
16	MP3C	X	12.891	5.5
17	MP3C	Z	-22.328	5.5
18	MP3C	Mx	.008	5.5
19	MP3A	X	12.891	.5
20	MP3A	Z	-22.328	.5
21	MP3A	Mx	.008	.5
22	MP3A	X	12.891	5.5
23	MP3A	Z	-22.328	5.5
24	MP3A	Mx	.008	5.5
25	MP3B	X	9.684	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	-16.774	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	9.684	5.5
29	MP3B	Z	-16.774	5.5
30	MP3B	Mx	.007	5.5
31	MP3C	X	12.891	.5
32	MP3C	Z	-22.328	.5
33	MP3C	Mx	-.021	.5
34	MP3C	X	12.891	5.5
35	MP3C	Z	-22.328	5.5
36	MP3C	Mx	-.021	5.5
37	MP5A	X	6.377	2
38	MP5A	Z	-11.046	2
39	MP5A	Mx	-.003	2
40	MP5A	X	6.377	4
41	MP5A	Z	-11.046	4
42	MP5A	Mx	-.003	4
43	MP5B	X	3.298	2
44	MP5B	Z	-5.713	2
45	MP5B	Mx	.003	2
46	MP5B	X	3.298	4
47	MP5B	Z	-5.713	4
48	MP5B	Mx	.003	4
49	MP5C	X	6.377	2
50	MP5C	Z	-11.046	2
51	MP5C	Mx	-.003	2
52	MP5C	X	6.377	4
53	MP5C	Z	-11.046	4
54	MP5C	Mx	-.003	4
55	MP4A	X	7.275	.5
56	MP4A	Z	-12.601	.5
57	MP4A	Mx	-.002	.5
58	MP4A	X	7.275	3.5
59	MP4A	Z	-12.601	3.5
60	MP4A	Mx	-.002	3.5
61	MP4B	X	4.847	.5
62	MP4B	Z	-8.396	.5
63	MP4B	Mx	.005	.5
64	MP4B	X	4.847	3.5
65	MP4B	Z	-8.396	3.5
66	MP4B	Mx	.005	3.5
67	MP4C	X	6.432	.5
68	MP4C	Z	-11.14	.5
69	MP4C	Mx	-.004	.5
70	MP4C	X	6.432	3.5
71	MP4C	Z	-11.14	3.5
72	MP4C	Mx	-.004	3.5
73	MP1A	X	2.66	2
74	MP1A	Z	-4.607	2
75	MP1A	Mx	-.001	2
76	MP1B	X	1.016	2
77	MP1B	Z	-1.759	2
78	MP1B	Mx	.001	2
79	MP1C	X	2.66	2
80	MP1C	Z	-4.607	2
81	MP1C	Mx	-.001	2
82	M50	X	1.297	2



Page 58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
140	M48	Z	-12.647	.25
141	M48	Mx	0	.25
142	M48	X	7.302	1.25
143	M48	Z	-12.647	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	18.47	.5
2	MP3A	Z	-10.664	.5
3	MP3A	Mx	-.016	.5
4	MP3A	X	18.47	5.5
5	MP3A	Z	-10.664	5.5
6	MP3A	Mx	-.016	5.5
7	MP3B	X	17.444	.5
8	MP3B	Z	-10.071	.5
9	MP3B	Mx	.005	.5
10	MP3B	X	17.444	5.5
11	MP3B	Z	-10.071	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	24.257	.5
14	MP3C	Z	-14.005	.5
15	MP3C	Mx	.019	.5
16	MP3C	X	24.257	5.5
17	MP3C	Z	-14.005	5.5
18	MP3C	Mx	.019	5.5
19	MP3A	X	18.47	.5
20	MP3A	Z	-10.664	.5
21	MP3A	Mx	-.002	.5
22	MP3A	X	18.47	5.5
23	MP3A	Z	-10.664	5.5
24	MP3A	Mx	-.002	5.5
25	MP3B	X	17.444	.5
26	MP3B	Z	-10.071	.5
27	MP3B	Mx	.014	.5
28	MP3B	X	17.444	5.5
29	MP3B	Z	-10.071	5.5
30	MP3B	Mx	.014	5.5
31	MP3C	X	24.257	.5
32	MP3C	Z	-14.005	.5
33	MP3C	Mx	-.019	.5
34	MP3C	X	24.257	5.5
35	MP3C	Z	-14.005	5.5
36	MP3C	Mx	-.019	5.5
37	MP5A	X	7.342	2
38	MP5A	Z	-4.239	2
39	MP5A	Mx	-.004	2
40	MP5A	X	7.342	4
41	MP5A	Z	-4.239	4
42	MP5A	Mx	-.004	4
43	MP5B	X	6.356	2
44	MP5B	Z	-3.67	2
45	MP5B	Mx	.003	2
46	MP5B	X	6.356	4
47	MP5B	Z	-3.67	4
48	MP5B	Mx	.003	4

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

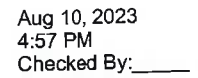
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP5C	X	12.898	2
50	MP5C	Z	-7.447	2
51	MP5C	Mx	0	2
52	MP5C	X	12.898	4
53	MP5C	Z	-7.447	4
54	MP5C	Mx	0	4
55	MP4A	X	10.284	.5
56	MP4A	Z	-5.938	.5
57	MP4A	Mx	-.005	.5
58	MP4A	X	10.284	3.5
59	MP4A	Z	-5.938	3.5
60	MP4A	Mx	-.005	3.5
61	MP4B	X	8.824	.5
62	MP4B	Z	-5.095	.5
63	MP4B	Mx	.005	.5
64	MP4B	X	8.824	3.5
65	MP4B	Z	-5.095	3.5
66	MP4B	Mx	.005	3.5
67	MP4C	X	13.029	.5
68	MP4C	Z	-7.522	.5
69	MP4C	Mx	-.001	.5
70	MP4C	X	13.029	3.5
71	MP4C	Z	-7.522	3.5
72	MP4C	Mx	-.001	3.5
73	MP1A	X	2.629	2
74	MP1A	Z	-1.518	2
75	MP1A	Mx	-.001	2
76	MP1B	X	2.102	2
77	MP1B	Z	-1.214	2
78	MP1B	Mx	.001	2
79	MP1C	X	5.596	2
80	MP1C	Z	-3.231	2
81	MP1C	Mx	0	2
82	M50	X	1.994	2
83	M50	Z	-1.151	2
84	M50	Mx	0	2
85	M41	X	6.435	1.5
86	M41	Z	-3.715	1.5
87	M41	Mx	0	1.5
88	M188A	X	9.741	2
89	M188A	Z	-5.624	2
90	M188A	Mx	0	2
91	M51	X	1.994	2
92	M51	Z	-1.151	2
93	M51	Mx	0	2
94	M200	X	1.994	2
95	M200	Z	-1.151	2
96	M200	Mx	.001	2
97	MP3A	X	8.382	.5
98	MP3A	Z	-4.839	.5
99	MP3A	Mx	.004	.5
100	MP3B	X	7.942	.5
101	MP3B	Z	-4.585	.5
102	MP3B	Mx	-.004	.5
103	MP3C	X	10.865	.5
104	MP3C	Z	-6.273	.5
105	MP3C	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
106	M49	X	6.435	1.5
107	M49	Z	-3.715	1.5
108	M49	Mx	0	1.5
109	M45	X	6.435	1.5
110	M45	Z	-3.715	1.5
111	M45	Mx	0	1.5
112	M188A	X	9.741	2
113	M188A	Z	-5.624	2
114	M188A	Mx	0	2
115	MP3A	X	2.215	2
116	MP3A	Z	-1.279	2
117	MP3A	Mx	.001	2
118	MP3A	X	2.215	3
119	MP3A	Z	-1.279	3
120	MP3A	Mx	.001	3
121	MP3B	X	2.767	2
122	MP3B	Z	-1.597	2
123	MP3B	Mx	-.003	2
124	MP3B	X	2.767	3
125	MP3B	Z	-1.597	3
126	MP3B	Mx	-.003	3
127	MP3A	X	2.215	2
128	MP3A	Z	-1.279	2
129	MP3A	Mx	.003	2
130	MP3A	X	2.215	3
131	MP3A	Z	-1.279	3
132	MP3A	Mx	.003	3
133	MP3B	X	2.767	2
134	MP3B	Z	-1.597	2
135	MP3B	Mx	-.003	2
136	MP3B	X	2.767	3
137	MP3B	Z	-1.597	3
138	MP3B	Mx	-.003	3
139	M48	X	12.647	.25
140	M48	Z	-7.302	.25
141	M48	Mx	0	.25
142	M48	X	12.647	1.25
143	M48	Z	-7.302	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	19.1	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.01	.5
4	MP3A	X	19.1	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.01	5.5
7	MP3B	X	24.328	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.005	.5
10	MP3B	X	24.328	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	25.782	.5
14	MP3C	Z	0	.5



Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
15	MP3C	Mx	.021	.5
16	MP3C	X	25.782	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.021	5.5
19	MP3A	X	19.1	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.01	.5
22	MP3A	X	19.1	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.01	5.5
25	MP3B	X	24.328	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.02	.5
28	MP3B	X	24.328	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.02	5.5
31	MP3C	X	25.782	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.008	.5
34	MP3C	X	25.782	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.008	5.5
37	MP5A	X	6.339	2
38	MP5A	Z	0	2
39	MP5A	Mx	-.003	2
40	MP5A	X	6.339	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.003	4
43	MP5B	X	11.359	2
44	MP5B	Z	0	2
45	MP5B	Mx	.004	2
46	MP5B	X	11.359	4
47	MP5B	Z	0	4
48	MP5B	Mx	.004	4
49	MP5C	X	12.755	2
50	MP5C	Z	0	2
51	MP5C	Mx	.003	2
52	MP5C	X	12.755	4
53	MP5C	Z	0	4
54	MP5C	Mx	.003	4
55	MP4A	X	9.695	.5
56	MP4A	Z	0	.5
57	MP4A	Mx	-.005	.5
58	MP4A	X	9.695	3.5
59	MP4A	Z	0	3.5
60	MP4A	Mx	-.005	3.5
61	MP4B	X	12.864	.5
62	MP4B	Z	0	.5
63	MP4B	Mx	.004	.5
64	MP4B	X	12.864	3.5
65	MP4B	Z	0	3.5
66	MP4B	Mx	.004	3.5
67	MP4C	X	14.55	.5
68	MP4C	Z	0	.5
69	MP4C	Mx	.002	.5
70	MP4C	X	14.55	3.5
71	MP4C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP4C	Mx	.002	3.5
73	MP1A	X	1.893	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.000947	2
76	MP1B	X	4.574	2
77	MP1B	Z	0	2
78	MP1B	Mx	.001	2
79	MP1C	X	5.32	2
80	MP1C	Z	0	2
81	MP1C	Mx	.001	2
82	M50	X	2.368	2
83	M50	Z	0	2
84	M50	Mx	0	2
85	M41	X	7.888	1.5
86	M41	Z	0	1.5
87	M41	Mx	0	1.5
88	M188A	X	11.705	2
89	M188A	Z	0	2
90	M188A	Mx	0	2
91	M51	X	2.368	2
92	M51	Z	0	2
93	M51	Mx	0	2
94	M200	X	2.368	2
95	M200	Z	0	2
96	M200	Mx	.001	2
97	MP3A	X	8.723	.5
98	MP3A	Z	0	.5
99	MP3A	Mx	.004	.5
100	MP3B	X	10.966	.5
101	MP3B	Z	0	.5
102	MP3B	Mx	-.004	.5
103	MP3C	X	11.59	.5
104	MP3C	Z	0	.5
105	MP3C	Mx	-.003	.5
106	M49	X	7.888	1.5
107	M49	Z	0	1.5
108	M49	Mx	0	1.5
109	M45	X	7.888	1.5
110	M45	Z	0	1.5
111	M45	Mx	0	1.5
112	M188A	X	11.705	2
113	M188A	Z	0	2
114	M188A	Mx	0	2
115	MP3A	X	3.381	2
116	MP3A	Z	0	2
117	MP3A	Mx	.003	2
118	MP3A	X	3.381	3
119	MP3A	Z	0	3
120	MP3A	Mx	.003	3
121	MP3B	X	2.184	2
122	MP3B	Z	0	2
123	MP3B	Mx	-.002	2
124	MP3B	X	2.184	3
125	MP3B	Z	0	3
126	MP3B	Mx	-.002	3
127	MP3A	X	3.381	2
128	MP3A	Z	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
129	MP3A	Mx	.004	2
130	MP3A	X	3.381	3
131	MP3A	Z	0	3
132	MP3A	Mx	.004	3
133	MP3B	X	2.184	2
134	MP3B	Z	0	2
135	MP3B	Mx	-.000846	2
136	MP3B	X	2.184	3
137	MP3B	Z	0	3
138	MP3B	Mx	-.000846	3
139	M48	X	14.604	25
140	M48	Z	0	25
141	M48	Mx	0	25
142	M48	X	14.604	1.25
143	M48	Z	0	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	18.47	.5
2	MP3A	Z	10.664	.5
3	MP3A	Mx	-.002	.5
4	MP3A	X	18.47	5.5
5	MP3A	Z	10.664	5.5
6	MP3A	Mx	-.002	5.5
7	MP3B	X	24.024	.5
8	MP3B	Z	13.87	.5
9	MP3B	Mx	-.016	.5
10	MP3B	X	24.024	5.5
11	MP3B	Z	13.87	5.5
12	MP3B	Mx	-.016	5.5
13	MP3C	X	18.47	.5
14	MP3C	Z	10.664	.5
15	MP3C	Mx	.016	.5
16	MP3C	X	18.47	5.5
17	MP3C	Z	10.664	5.5
18	MP3C	Mx	.016	5.5
19	MP3A	X	18.47	.5
20	MP3A	Z	10.664	.5
21	MP3A	Mx	-.016	.5
22	MP3A	X	18.47	5.5
23	MP3A	Z	10.664	5.5
24	MP3A	Mx	-.016	5.5
25	MP3B	X	24.024	.5
26	MP3B	Z	13.87	.5
27	MP3B	Mx	.021	.5
28	MP3B	X	24.024	5.5
29	MP3B	Z	13.87	5.5
30	MP3B	Mx	.021	5.5
31	MP3C	X	18.47	.5
32	MP3C	Z	10.664	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	18.47	5.5
35	MP3C	Z	10.664	5.5
36	MP3C	Mx	.002	5.5
37	MP5A	X	7.342	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP5A	Z	4.239	2
39	MP5A	Mx	-.004	2
40	MP5A	X	7.342	4
41	MP5A	Z	4.239	4
42	MP5A	Mx	-.004	4
43	MP5B	X	12.675	2
44	MP5B	Z	7.318	2
45	MP5B	Mx	.001	2
46	MP5B	X	12.675	4
47	MP5B	Z	7.318	4
48	MP5B	Mx	.001	4
49	MP5C	X	7.342	2
50	MP5C	Z	4.239	2
51	MP5C	Mx	.004	2
52	MP5C	X	7.342	4
53	MP5C	Z	4.239	4
54	MP5C	Mx	.004	4
55	MP4A	X	8.824	.5
56	MP4A	Z	5.095	.5
57	MP4A	Mx	-.005	.5
58	MP4A	X	8.824	3.5
59	MP4A	Z	5.095	3.5
60	MP4A	Mx	-.005	3.5
61	MP4B	X	13.029	.5
62	MP4B	Z	7.522	.5
63	MP4B	Mx	.001	.5
64	MP4B	X	13.029	3.5
65	MP4B	Z	7.522	3.5
66	MP4B	Mx	.001	3.5
67	MP4C	X	10.284	.5
68	MP4C	Z	5.938	.5
69	MP4C	Mx	.005	.5
70	MP4C	X	10.284	3.5
71	MP4C	Z	5.938	3.5
72	MP4C	Mx	.005	3.5
73	MP1A	X	2.629	2
74	MP1A	Z	1.518	2
75	MP1A	Mx	-.001	2
76	MP1B	X	5.477	2
77	MP1B	Z	3.162	2
78	MP1B	Mx	.000549	2
79	MP1C	X	2.629	2
80	MP1C	Z	1.518	2
81	MP1C	Mx	.001	2
82	M50	X	2.36	2
83	M50	Z	1.363	2
84	M50	Mx	0	2
85	M41	X	8.977	1.5
86	M41	Z	5.183	1.5
87	M41	Mx	0	1.5
88	M188A	X	12.277	2
89	M188A	Z	7.088	2
90	M188A	Mx	0	2
91	M51	X	2.36	2
92	M51	Z	1.363	2
93	M51	Mx	0	2
94	M200	X	2.36	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
95	M200	Z	1.363	2
96	M200	Mx	.000876	2
97	MP3A	X	8.382	.5
98	MP3A	Z	4.839	.5
99	MP3A	Mx	.004	.5
100	MP3B	X	10.765	.5
101	MP3B	Z	6.215	.5
102	MP3B	Mx	-.001	.5
103	MP3C	X	8.382	.5
104	MP3C	Z	4.839	.5
105	MP3C	Mx	-.004	.5
106	M49	X	8.977	1.5
107	M49	Z	5.183	1.5
108	M49	Mx	0	1.5
109	M45	X	8.977	1.5
110	M45	Z	5.183	1.5
111	M45	Mx	0	1.5
112	M188A	X	12.277	2
113	M188A	Z	7.088	2
114	M188A	Mx	0	2
115	MP3A	X	2.767	2
116	MP3A	Z	1.597	2
117	MP3A	Mx	.003	2
118	MP3A	X	2.767	3
119	MP3A	Z	1.597	3
120	MP3A	Mx	.003	3
121	MP3B	X	1.178	2
122	MP3B	Z	.68	2
123	MP3B	Mx	-.000683	2
124	MP3B	X	1.178	3
125	MP3B	Z	.68	3
126	MP3B	Mx	-.000683	3
127	MP3A	X	2.767	2
128	MP3A	Z	1.597	2
129	MP3A	Mx	.003	2
130	MP3A	X	2.767	3
131	MP3A	Z	1.597	3
132	MP3A	Mx	.003	3
133	MP3B	X	1.178	2
134	MP3B	Z	.68	2
135	MP3B	Mx	.00021	2
136	MP3B	X	1.178	3
137	MP3B	Z	.68	3
138	MP3B	Mx	.00021	3
139	M48	X	12.647	.25
140	M48	Z	7.302	.25
141	M48	Mx	0	.25
142	M48	X	12.647	1.25
143	M48	Z	7.302	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	12.891	.5
2	MP3A	Z	22.328	.5
3	MP3A	Mx	.008	.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	MP3A	X	12.891	5.5
5	MP3A	Z	22.328	5.5
6	MP3A	Mx	.008	5.5
7	MP3B	X	13.484	.5
8	MP3B	Z	23.354	.5
9	MP3B	Mx	-.022	.5
10	MP3B	X	13.484	5.5
11	MP3B	Z	23.354	5.5
12	MP3B	Mx	-.022	5.5
13	MP3C	X	9.55	.5
14	MP3C	Z	16.541	.5
15	MP3C	Mx	.01	.5
16	MP3C	X	9.55	5.5
17	MP3C	Z	16.541	5.5
18	MP3C	Mx	.01	5.5
19	MP3A	X	12.891	.5
20	MP3A	Z	22.328	.5
21	MP3A	Mx	-.021	.5
22	MP3A	X	12.891	5.5
23	MP3A	Z	22.328	5.5
24	MP3A	Mx	-.021	5.5
25	MP3B	X	13.484	.5
26	MP3B	Z	23.354	.5
27	MP3B	Mx	.012	.5
28	MP3B	X	13.484	5.5
29	MP3B	Z	23.354	5.5
30	MP3B	Mx	.012	5.5
31	MP3C	X	9.55	.5
32	MP3C	Z	16.541	.5
33	MP3C	Mx	.01	.5
34	MP3C	X	9.55	5.5
35	MP3C	Z	16.541	5.5
36	MP3C	Mx	.01	5.5
37	MP5A	X	6.377	2
38	MP5A	Z	11.046	2
39	MP5A	Mx	-.003	2
40	MP5A	X	6.377	4
41	MP5A	Z	11.046	4
42	MP5A	Mx	-.003	4
43	MP5B	X	6.946	2
44	MP5B	Z	12.032	2
45	MP5B	Mx	-.002	2
46	MP5B	X	6.946	4
47	MP5B	Z	12.032	4
48	MP5B	Mx	-.002	4
49	MP5C	X	3.169	2
50	MP5C	Z	5.49	2
51	MP5C	Mx	.003	2
52	MP5C	X	3.169	4
53	MP5C	Z	5.49	4
54	MP5C	Mx	.003	4
55	MP4A	X	6.432	.5
56	MP4A	Z	11.14	.5
57	MP4A	Mx	-.004	.5
58	MP4A	X	6.432	3.5
59	MP4A	Z	11.14	3.5
60	MP4A	Mx	-.004	3.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb, k-ft]	Location[ft, %]
61	MP4B	X	7.275	.5
62	MP4B	Z	12.601	.5
63	MP4B	Mx	-.002	.5
64	MP4B	X	7.275	3.5
65	MP4B	Z	12.601	3.5
66	MP4B	Mx	-.002	3.5
67	MP4C	X	4.847	.5
68	MP4C	Z	8.396	.5
69	MP4C	Mx	.005	.5
70	MP4C	X	4.847	3.5
71	MP4C	Z	8.396	3.5
72	MP4C	Mx	.005	3.5
73	MP1A	X	2.66	2
74	MP1A	Z	4.607	2
75	MP1A	Mx	-.001	2
76	MP1B	X	2.964	2
77	MP1B	Z	5.133	2
78	MP1B	Mx	-.001	2
79	MP1C	X	.947	2
80	MP1C	Z	1.64	2
81	MP1C	Mx	.000947	2
82	M50	X	1.508	2
83	M50	Z	2.612	2
84	M50	Mx	0	2
85	M41	X	6.193	1.5
86	M41	Z	10.727	1.5
87	M41	Mx	0	1.5
88	M188A	X	8.095	2
89	M188A	Z	14.022	2
90	M188A	Mx	0	2
91	M51	X	1.508	2
92	M51	Z	2.612	2
93	M51	Mx	0	2
94	M200	X	1.508	2
95	M200	Z	2.612	2
96	M200	Mx	.000262	2
97	MP3A	X	5.795	.5
98	MP3A	Z	10.037	.5
99	MP3A	Mx	.003	.5
100	MP3B	X	6.049	.5
101	MP3B	Z	10.478	.5
102	MP3B	Mx	.002	.5
103	MP3C	X	4.362	.5
104	MP3C	Z	7.555	.5
105	MP3C	Mx	-.004	.5
106	M49	X	6.193	1.5
107	M49	Z	10.727	1.5
108	M49	Mx	0	1.5
109	M45	X	6.193	1.5
110	M45	Z	10.727	1.5
111	M45	Mx	0	1.5
112	M188A	X	8.095	2
113	M188A	Z	14.022	2
114	M188A	Mx	0	2
115	MP3A	X	1.092	2
116	MP3A	Z	1.892	2
117	MP3A	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
118	MP3A	X	1.092	3
119	MP3A	Z	1.892	3
120	MP3A	Mx	.002	3
121	MP3B	X	.774	2
122	MP3B	Z	1.34	2
123	MP3B	Mx	4.4e-5	2
124	MP3B	X	.774	3
125	MP3B	Z	1.34	3
126	MP3B	Mx	4.4e-5	3
127	MP3A	X	1.092	2
128	MP3A	Z	1.892	2
129	MP3A	Mx	.000846	2
130	MP3A	X	1.092	3
131	MP3A	Z	1.892	3
132	MP3A	Mx	.000846	3
133	MP3B	X	.774	2
134	MP3B	Z	1.34	2
135	MP3B	Mx	.001	2
136	MP3B	X	.774	3
137	MP3B	Z	1.34	3
138	MP3B	Mx	.001	3
139	M48	X	7.302	.25
140	M48	Z	12.647	.25
141	M48	Mx	0	.25
142	M48	X	7.302	1.25
143	M48	Z	12.647	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	28.009	.5
3	MP3A	Mx	.019	.5
4	MP3A	X	0	5.5
5	MP3A	Z	28.009	5.5
6	MP3A	Mx	.019	5.5
7	MP3B	X	0	.5
8	MP3B	Z	22.781	.5
9	MP3B	Mx	-.018	.5
10	MP3B	X	0	5.5
11	MP3B	Z	22.781	5.5
12	MP3B	Mx	-.018	5.5
13	MP3C	X	0	.5
14	MP3C	Z	21.327	.5
15	MP3C	Mx	.002	.5
16	MP3C	X	0	5.5
17	MP3C	Z	21.327	5.5
18	MP3C	Mx	.002	5.5
19	MP3A	X	0	.5
20	MP3A	Z	28.009	.5
21	MP3A	Mx	-.019	.5
22	MP3A	X	0	5.5
23	MP3A	Z	28.009	5.5
24	MP3A	Mx	-.019	5.5
25	MP3B	X	0	.5
26	MP3B	Z	22.781	.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	.001	.5
28	MP3B	X	0	5.5
29	MP3B	Z	22.781	5.5
30	MP3B	Mx	.001	5.5
31	MP3C	X	0	.5
32	MP3C	Z	21.327	.5
33	MP3C	Mx	.016	.5
34	MP3C	X	0	5.5
35	MP3C	Z	21.327	5.5
36	MP3C	Mx	.016	5.5
37	MP5A	X	0	2
38	MP5A	Z	14.894	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	14.894	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	9.873	2
45	MP5B	Mx	-.004	2
46	MP5B	X	0	4
47	MP5B	Z	9.873	4
48	MP5B	Mx	-.004	4
49	MP5C	X	0	2
50	MP5C	Z	8.478	2
51	MP5C	Mx	.004	2
52	MP5C	X	0	4
53	MP5C	Z	8.478	4
54	MP5C	Mx	.004	4
55	MP4A	X	0	.5
56	MP4A	Z	15.044	.5
57	MP4A	Mx	-.001	.5
58	MP4A	X	0	3.5
59	MP4A	Z	15.044	3.5
60	MP4A	Mx	-.001	3.5
61	MP4B	X	0	.5
62	MP4B	Z	11.875	.5
63	MP4B	Mx	-.005	.5
64	MP4B	X	0	3.5
65	MP4B	Z	11.875	3.5
66	MP4B	Mx	-.005	3.5
67	MP4C	X	0	.5
68	MP4C	Z	10.189	.5
69	MP4C	Mx	.005	.5
70	MP4C	X	0	3.5
71	MP4C	Z	10.189	3.5
72	MP4C	Mx	.005	3.5
73	MP1A	X	0	2
74	MP1A	Z	6.462	2
75	MP1A	Mx	0	2
76	MP1B	X	0	2
77	MP1B	Z	3.781	2
78	MP1B	Mx	-.001	2
79	MP1C	X	0	2
80	MP1C	Z	3.035	2
81	MP1C	Mx	.001	2
82	M50	X	0	2
83	M50	Z	2.951	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
84	M50	Mx	0	2
85	M41	X	0	1.5
86	M41	Z	11.929	1.5
87	M41	Mx	0	1.5
88	M188A	X	0	2
89	M188A	Z	15.734	2
90	M188A	Mx	0	2
91	M51	X	0	2
92	M51	Z	2.951	2
93	M51	Mx	0	2
94	M200	X	0	2
95	M200	Z	2.951	2
96	M200	Mx	-.000505	2
97	MP3A	X	0	.5
98	MP3A	Z	12.546	.5
99	MP3A	Mx	0	.5
100	MP3B	X	0	.5
101	MP3B	Z	10.303	.5
102	MP3B	Mx	.004	.5
103	MP3C	X	0	.5
104	MP3C	Z	9.679	.5
105	MP3C	Mx	-.004	.5
106	M49	X	0	1.5
107	M49	Z	11.929	1.5
108	M49	Mx	0	1.5
109	M45	X	0	1.5
110	M45	Z	11.929	1.5
111	M45	Mx	0	1.5
112	M188A	X	0	2
113	M188A	Z	15.734	2
114	M188A	Mx	0	2
115	MP3A	X	0	2
116	MP3A	Z	1.361	2
117	MP3A	Mx	.000683	2
118	MP3A	X	0	3
119	MP3A	Z	1.361	3
120	MP3A	Mx	.000683	3
121	MP3B	X	0	2
122	MP3B	Z	2.558	2
123	MP3B	Mx	.001	2
124	MP3B	X	0	3
125	MP3B	Z	2.558	3
126	MP3B	Mx	.001	3
127	MP3A	X	0	2
128	MP3A	Z	1.361	2
129	MP3A	Mx	-.00021	2
130	MP3A	X	0	3
131	MP3A	Z	1.361	3
132	MP3A	Mx	-.00021	3
133	MP3B	X	0	2
134	MP3B	Z	2.558	2
135	MP3B	Mx	.003	2
136	MP3B	X	0	3
137	MP3B	Z	2.558	3
138	MP3B	Mx	.003	3
139	M48	X	0	.25
140	M48	Z	14.604	.25

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

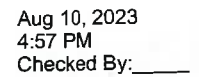
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
141	M48	Mx	0	.25
142	M48	X	0	1.25
143	M48	Z	14.604	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-12.891	.5
2	MP3A	Z	22.328	.5
3	MP3A	Mx	.021	.5
4	MP3A	X	-12.891	5.5
5	MP3A	Z	22.328	5.5
6	MP3A	Mx	.021	5.5
7	MP3B	X	-9.684	.5
8	MP3B	Z	16.774	.5
9	MP3B	Mx	-.012	.5
10	MP3B	X	-9.684	5.5
11	MP3B	Z	16.774	5.5
12	MP3B	Mx	-.012	5.5
13	MP3C	X	-12.891	.5
14	MP3C	Z	22.328	.5
15	MP3C	Mx	-.008	.5
16	MP3C	X	-12.891	5.5
17	MP3C	Z	22.328	5.5
18	MP3C	Mx	-.008	5.5
19	MP3A	X	-12.891	.5
20	MP3A	Z	22.328	.5
21	MP3A	Mx	-.008	.5
22	MP3A	X	-12.891	5.5
23	MP3A	Z	22.328	5.5
24	MP3A	Mx	-.008	5.5
25	MP3B	X	-9.684	.5
26	MP3B	Z	16.774	.5
27	MP3B	Mx	-.007	.5
28	MP3B	X	-9.684	5.5
29	MP3B	Z	16.774	5.5
30	MP3B	Mx	-.007	5.5
31	MP3C	X	-12.891	.5
32	MP3C	Z	22.328	.5
33	MP3C	Mx	.021	.5
34	MP3C	X	-12.891	5.5
35	MP3C	Z	22.328	5.5
36	MP3C	Mx	.021	5.5
37	MP5A	X	-6.377	2
38	MP5A	Z	11.046	2
39	MP5A	Mx	.003	2
40	MP5A	X	-6.377	4
41	MP5A	Z	11.046	4
42	MP5A	Mx	.003	4
43	MP5B	X	-3.298	2
44	MP5B	Z	5.713	2
45	MP5B	Mx	-.003	2
46	MP5B	X	-3.298	4
47	MP5B	Z	5.713	4
48	MP5B	Mx	-.003	4
49	MP5C	X	-6.377	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP5C	Z	11.046	2
51	MP5C	Mx	.003	2
52	MP5C	X	-6.377	4
53	MP5C	Z	11.046	4
54	MP5C	Mx	.003	4
55	MP4A	X	-7.275	.5
56	MP4A	Z	12.601	.5
57	MP4A	Mx	.002	.5
58	MP4A	X	-7.275	3.5
59	MP4A	Z	12.601	3.5
60	MP4A	Mx	.002	3.5
61	MP4B	X	-4.847	.5
62	MP4B	Z	8.396	.5
63	MP4B	Mx	-.005	.5
64	MP4B	X	-4.847	3.5
65	MP4B	Z	8.396	3.5
66	MP4B	Mx	-.005	3.5
67	MP4C	X	-6.432	.5
68	MP4C	Z	11.14	.5
69	MP4C	Mx	.004	.5
70	MP4C	X	-6.432	3.5
71	MP4C	Z	11.14	3.5
72	MP4C	Mx	.004	3.5
73	MP1A	X	-2.66	2
74	MP1A	Z	4.607	2
75	MP1A	Mx	.001	2
76	MP1B	X	-1.016	2
77	MP1B	Z	1.759	2
78	MP1B	Mx	-.001	2
79	MP1C	X	-2.66	2
80	MP1C	Z	4.607	2
81	MP1C	Mx	.001	2
82	M50	X	-1.297	2
83	M50	Z	2.246	2
84	M50	Mx	0	2
85	M41	X	-4.725	1.5
86	M41	Z	8.184	1.5
87	M41	Mx	0	1.5
88	M188A	X	-6.631	2
89	M188A	Z	11.486	2
90	M188A	Mx	0	2
91	M51	X	-1.297	2
92	M51	Z	2.246	2
93	M51	Mx	0	2
94	M200	X	-1.297	2
95	M200	Z	2.246	2
96	M200	Mx	-.000993	2
97	MP3A	X	-5.795	.5
98	MP3A	Z	10.037	.5
99	MP3A	Mx	-.003	.5
100	MP3B	X	-4.419	.5
101	MP3B	Z	7.654	.5
102	MP3B	Mx	.004	.5
103	MP3C	X	-5.795	.5
104	MP3C	Z	10.037	.5
105	MP3C	Mx	-.003	.5
106	M49	X	-4.725	1.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft. %)
16	MP3C	X	-24.257	5.5
17	MP3C	Z	14.005	5.5
18	MP3C	Mx	-0.19	5.5
19	MP3A	X	-18.47	.5
20	MP3A	Z	10.664	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	-18.47	5.5
23	MP3A	Z	10.664	5.5
24	MP3A	Mx	.002	5.5
25	MP3B	X	-17.444	.5
26	MP3B	Z	10.071	.5
27	MP3B	Mx	-.014	.5
28	MP3B	X	-17.444	5.5
29	MP3B	Z	10.071	5.5
30	MP3B	Mx	-.014	5.5
31	MP3C	X	-24.257	.5
32	MP3C	Z	14.005	.5
33	MP3C	Mx	.019	.5
34	MP3C	X	-24.257	5.5
35	MP3C	Z	14.005	5.5
36	MP3C	Mx	.019	5.5
37	MP5A	X	-7.342	2
38	MP5A	Z	4.239	2
39	MP5A	Mx	.004	2
40	MP5A	X	-7.342	4
41	MP5A	Z	4.239	4
42	MP5A	Mx	.004	4
43	MP5B	X	-6.356	2
44	MP5B	Z	3.67	2
45	MP5B	Mx	-.003	2
46	MP5B	X	-6.356	4
47	MP5B	Z	3.67	4
48	MP5B	Mx	-.003	4
49	MP5C	X	-12.898	2
50	MP5C	Z	7.447	2
51	MP5C	Mx	0	2
52	MP5C	X	-12.898	4
53	MP5C	Z	7.447	4
54	MP5C	Mx	0	4
55	MP4A	X	-10.284	.5
56	MP4A	Z	5.938	.5
57	MP4A	Mx	.005	.5
58	MP4A	X	-10.284	3.5
59	MP4A	Z	5.938	3.5
60	MP4A	Mx	.005	3.5
61	MP4B	X	-8.824	.5
62	MP4B	Z	5.095	.5
63	MP4B	Mx	-.005	.5
64	MP4B	X	-8.824	3.5
65	MP4B	Z	5.095	3.5
66	MP4B	Mx	-.005	3.5
67	MP4C	X	-13.029	.5
68	MP4C	Z	7.522	.5
69	MP4C	Mx	.001	.5
70	MP4C	X	-13.029	3.5
71	MP4C	Z	7.522	3.5
72	MP4C	Mx	.001	3.5



Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
4:57 PM
Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP1A	X	-2.629	2
74	MP1A	Z	1.518	2
75	MP1A	Mx	.001	2
76	MP1B	X	-2.102	2
77	MP1B	Z	1.214	2
78	MP1B	Mx	-.001	2
79	MP1C	X	-5.596	2
80	MP1C	Z	3.231	2
81	MP1C	Mx	0	2
82	M50	X	-1.994	2
83	M50	Z	1.151	2
84	M50	Mx	0	2
85	M41	X	-6.435	1.5
86	M41	Z	3.715	1.5
87	M41	Mx	0	1.5
88	M188A	X	-9.741	2
89	M188A	Z	5.624	2
90	M188A	Mx	0	2
91	M51	X	-1.994	2
92	M51	Z	1.151	2
93	M51	Mx	0	2
94	M200	X	-1.994	2
95	M200	Z	1.151	2
96	M200	Mx	-.001	2
97	MP3A	X	-8.382	.5
98	MP3A	Z	4.839	.5
99	MP3A	Mx	-.004	.5
100	MP3B	X	-7.942	.5
101	MP3B	Z	4.585	.5
102	MP3B	Mx	.004	.5
103	MP3C	X	-10.865	.5
104	MP3C	Z	6.273	.5
105	MP3C	Mx	0	.5
106	M49	X	-6.435	1.5
107	M49	Z	3.715	1.5
108	M49	Mx	0	1.5
109	M45	X	-6.435	1.5
110	M45	Z	3.715	1.5
111	M45	Mx	0	1.5
112	M188A	X	-9.741	2
113	M188A	Z	5.624	2
114	M188A	Mx	0	2
115	MP3A	X	-2.215	2
116	MP3A	Z	1.279	2
117	MP3A	Mx	-.001	2
118	MP3A	X	-2.215	3
119	MP3A	Z	1.279	3
120	MP3A	Mx	-.001	3
121	MP3B	X	-2.767	2
122	MP3B	Z	1.597	2
123	MP3B	Mx	.003	2
124	MP3B	X	-2.767	3
125	MP3B	Z	1.597	3
126	MP3B	Mx	.003	3
127	MP3A	X	-2.215	2
128	MP3A	Z	1.279	2
129	MP3A	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
130	MP3A	X	-2.215	3
131	MP3A	Z	1.279	3
132	MP3A	Mx	-.003	3
133	MP3B	X	-2.767	2
134	MP3B	Z	1.597	2
135	MP3B	Mx	.003	2
136	MP3B	X	-2.767	3
137	MP3B	Z	1.597	3
138	MP3B	Mx	.003	3
139	M48	X	-12.647	.25
140	M48	Z	7.302	.25
141	M48	Mx	0	.25
142	M48	X	-12.647	1.25
143	M48	Z	7.302	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-19.1	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.01	.5
4	MP3A	X	-19.1	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.01	5.5
7	MP3B	X	-24.328	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.005	.5
10	MP3B	X	-24.328	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	-25.782	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.021	.5
16	MP3C	X	-25.782	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.021	5.5
19	MP3A	X	-19.1	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.01	.5
22	MP3A	X	-19.1	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.01	5.5
25	MP3B	X	-24.328	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.02	.5
28	MP3B	X	-24.328	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.02	5.5
31	MP3C	X	-25.782	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.008	.5
34	MP3C	X	-25.782	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.008	5.5
37	MP5A	X	-6.339	2
38	MP5A	Z	0	2



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
39	MP5A	Mx	.003	2
40	MP5A	X	-6.339	4
41	MP5A	Z	0	4
42	MP5A	Mx	.003	4
43	MP5B	X	-11.359	2
44	MP5B	Z	0	2
45	MP5B	Mx	-.004	2
46	MP5B	X	-11.359	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.004	4
49	MP5C	X	-12.755	2
50	MP5C	Z	0	2
51	MP5C	Mx	-.003	2
52	MP5C	X	-12.755	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.003	4
55	MP4A	X	-9.695	.5
56	MP4A	Z	0	.5
57	MP4A	Mx	.005	.5
58	MP4A	X	-9.695	3.5
59	MP4A	Z	0	3.5
60	MP4A	Mx	.005	3.5
61	MP4B	X	-12.864	.5
62	MP4B	Z	0	.5
63	MP4B	Mx	-.004	.5
64	MP4B	X	-12.864	3.5
65	MP4B	Z	0	3.5
66	MP4B	Mx	-.004	3.5
67	MP4C	X	-14.55	.5
68	MP4C	Z	0	.5
69	MP4C	Mx	-.002	.5
70	MP4C	X	-14.55	3.5
71	MP4C	Z	0	3.5
72	MP4C	Mx	-.002	3.5
73	MP1A	X	-1.893	2
74	MP1A	Z	0	2
75	MP1A	Mx	.000947	2
76	MP1B	X	-4.574	2
77	MP1B	Z	0	2
78	MP1B	Mx	-.001	2
79	MP1C	X	-5.32	2
80	MP1C	Z	0	2
81	MP1C	Mx	-.001	2
82	M50	X	-2.368	2
83	M50	Z	0	2
84	M50	Mx	0	2
85	M41	X	-7.888	1.5
86	M41	Z	0	1.5
87	M41	Mx	0	1.5
88	M188A	X	-11.705	2
89	M188A	Z	0	2
90	M188A	Mx	0	2
91	M51	X	-2.368	2
92	M51	Z	0	2
93	M51	Mx	0	2
94	M200	X	-2.368	2
95	M200	Z	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
96	M200	Mx	-.001	2
97	MP3A	X	-8.723	.5
98	MP3A	Z	0	.5
99	MP3A	Mx	-.004	.5
100	MP3B	X	-10.966	.5
101	MP3B	Z	0	.5
102	MP3B	Mx	.004	.5
103	MP3C	X	-11.59	.5
104	MP3C	Z	0	.5
105	MP3C	Mx	.003	.5
106	M49	X	-7.888	1.5
107	M49	Z	0	1.5
108	M49	Mx	0	1.5
109	M45	X	-7.888	1.5
110	M45	Z	0	1.5
111	M45	Mx	0	1.5
112	M188A	X	-11.705	2
113	M188A	Z	0	2
114	M188A	Mx	0	2
115	MP3A	X	-3.381	2
116	MP3A	Z	0	2
117	MP3A	Mx	-.003	2
118	MP3A	X	-3.381	3
119	MP3A	Z	0	3
120	MP3A	Mx	-.003	3
121	MP3B	X	-2.184	2
122	MP3B	Z	0	2
123	MP3B	Mx	.002	2
124	MP3B	X	-2.184	3
125	MP3B	Z	0	3
126	MP3B	Mx	.002	3
127	MP3A	X	-3.381	2
128	MP3A	Z	0	2
129	MP3A	Mx	-.004	2
130	MP3A	X	-3.381	3
131	MP3A	Z	0	3
132	MP3A	Mx	-.004	3
133	MP3B	X	-2.184	2
134	MP3B	Z	0	2
135	MP3B	Mx	.000846	2
136	MP3B	X	-2.184	3
137	MP3B	Z	0	3
138	MP3B	Mx	.000846	3
139	M48	X	-14.604	.25
140	M48	Z	0	.25
141	M48	Mx	0	.25
142	M48	X	-14.604	1.25
143	M48	Z	0	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-18.47	.5
2	MP3A	Z	-10.664	.5
3	MP3A	Mx	.002	.5
4	MP3A	X	-18.47	5.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

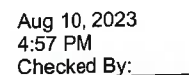
Aug 10, 2023
 4:57 PM
 Checked By: _____

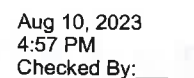
Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP3A	Z	-10.664	5.5
6	MP3A	Mx	.002	5.5
7	MP3B	X	-24.024	.5
8	MP3B	Z	-13.87	.5
9	MP3B	Mx	.016	.5
10	MP3B	X	-24.024	5.5
11	MP3B	Z	-13.87	5.5
12	MP3B	Mx	.016	5.5
13	MP3C	X	-18.47	.5
14	MP3C	Z	-10.664	.5
15	MP3C	Mx	-.016	.5
16	MP3C	X	-18.47	5.5
17	MP3C	Z	-10.664	5.5
18	MP3C	Mx	-.016	5.5
19	MP3A	X	-18.47	.5
20	MP3A	Z	-10.664	.5
21	MP3A	Mx	.016	.5
22	MP3A	X	-18.47	5.5
23	MP3A	Z	-10.664	5.5
24	MP3A	Mx	.016	5.5
25	MP3B	X	-24.024	.5
26	MP3B	Z	-13.87	.5
27	MP3B	Mx	-.021	.5
28	MP3B	X	-24.024	5.5
29	MP3B	Z	-13.87	5.5
30	MP3B	Mx	-.021	5.5
31	MP3C	X	-18.47	.5
32	MP3C	Z	-10.664	.5
33	MP3C	Mx	-.002	.5
34	MP3C	X	-18.47	5.5
35	MP3C	Z	-10.664	5.5
36	MP3C	Mx	-.002	5.5
37	MP5A	X	-7.342	2
38	MP5A	Z	-4.239	2
39	MP5A	Mx	.004	2
40	MP5A	X	-7.342	4
41	MP5A	Z	-4.239	4
42	MP5A	Mx	.004	4
43	MP5B	X	-12.675	2
44	MP5B	Z	-7.318	2
45	MP5B	Mx	-.001	2
46	MP5B	X	-12.675	4
47	MP5B	Z	-7.318	4
48	MP5B	Mx	-.001	4
49	MP5C	X	-7.342	2
50	MP5C	Z	-4.239	2
51	MP5C	Mx	-.004	2
52	MP5C	X	-7.342	4
53	MP5C	Z	-4.239	4
54	MP5C	Mx	-.004	4
55	MP4A	X	-8.824	.5
56	MP4A	Z	-5.095	.5
57	MP4A	Mx	.005	.5
58	MP4A	X	-8.824	3.5
59	MP4A	Z	-5.095	3.5
60	MP4A	Mx	.005	3.5
61	MP4B	X	-13.029	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP4B	Z	-7.522	.5
63	MP4B	Mx	-.001	.5
64	MP4B	X	-13.029	3.5
65	MP4B	Z	-7.522	3.5
66	MP4B	Mx	-.001	3.5
67	MP4C	X	-10.284	.5
68	MP4C	Z	-5.938	.5
69	MP4C	Mx	-.005	.5
70	MP4C	X	-10.284	3.5
71	MP4C	Z	-5.938	3.5
72	MP4C	Mx	-.005	3.5
73	MP1A	X	-2.629	2
74	MP1A	Z	-1.518	2
75	MP1A	Mx	.001	2
76	MP1B	X	-5.477	2
77	MP1B	Z	-3.162	2
78	MP1B	Mx	-.000549	2
79	MP1C	X	-2.629	2
80	MP1C	Z	-1.518	2
81	MP1C	Mx	-.001	2
82	M50	X	-2.36	2
83	M50	Z	-1.363	2
84	M50	Mx	0	2
85	M41	X	-8.977	1.5
86	M41	Z	-5.183	1.5
87	M41	Mx	0	1.5
88	M188A	X	-12.277	2
89	M188A	Z	-7.088	2
90	M188A	Mx	0	2
91	M51	X	-2.36	2
92	M51	Z	-1.363	2
93	M51	Mx	0	2
94	M200	X	-2.36	2
95	M200	Z	-1.363	2
96	M200	Mx	-.000876	2
97	MP3A	X	-8.382	.5
98	MP3A	Z	-4.839	.5
99	MP3A	Mx	-.004	.5
100	MP3B	X	-10.765	.5
101	MP3B	Z	-6.215	.5
102	MP3B	Mx	.001	.5
103	MP3C	X	-8.382	.5
104	MP3C	Z	-4.839	.5
105	MP3C	Mx	.004	.5
106	M49	X	-8.977	1.5
107	M49	Z	-5.183	1.5
108	M49	Mx	0	1.5
109	M45	X	-8.977	1.5
110	M45	Z	-5.183	1.5
111	M45	Mx	0	1.5
112	M188A	X	-12.277	2
113	M188A	Z	-7.088	2
114	M188A	Mx	0	2
115	MP3A	X	-2.767	2
116	MP3A	Z	-1.597	2
117	MP3A	Mx	-.003	2
118	MP3A	X	-2.767	3





RISA-3D Version 17.0.4 [.....]Rev. 0[RISA]5000386107-VZW MT LO H.r3d] Page 83

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
85	M41	X	-6.193	1.5
86	M41	Z	-10.727	1.5
87	M41	Mx	0	1.5
88	M188A	X	-8.095	2
89	M188A	Z	-14.022	2
90	M188A	Mx	0	2
91	M51	X	-1.508	2
92	M51	Z	-2.612	2
93	M51	Mx	0	2
94	M200	X	-1.508	2
95	M200	Z	-2.612	2
96	M200	Mx	-0.00262	2
97	MP3A	X	-5.795	.5
98	MP3A	Z	-10.037	.5
99	MP3A	Mx	-.003	.5
100	MP3B	X	-6.049	.5
101	MP3B	Z	-10.478	.5
102	MP3B	Mx	-.002	.5
103	MP3C	X	-4.362	.5
104	MP3C	Z	-7.555	.5
105	MP3C	Mx	.004	.5
106	M49	X	-6.193	1.5
107	M49	Z	-10.727	1.5
108	M49	Mx	0	1.5
109	M45	X	-6.193	1.5
110	M45	Z	-10.727	1.5
111	M45	Mx	0	1.5
112	M188A	X	-8.095	2
113	M188A	Z	-14.022	2
114	M188A	Mx	0	2
115	MP3A	X	-1.092	2
116	MP3A	Z	-1.892	2
117	MP3A	Mx	-.002	2
118	MP3A	X	-1.092	3
119	MP3A	Z	-1.892	3
120	MP3A	Mx	-.002	3
121	MP3B	X	-.774	2
122	MP3B	Z	-1.34	2
123	MP3B	Mx	-4.4e-5	2
124	MP3B	X	-.774	3
125	MP3B	Z	-1.34	3
126	MP3B	Mx	-4.4e-5	3
127	MP3A	X	-1.092	2
128	MP3A	Z	-1.892	2
129	MP3A	Mx	-.000846	2
130	MP3A	X	-1.092	3
131	MP3A	Z	-1.892	3
132	MP3A	Mx	-.000846	3
133	MP3B	X	-.774	2
134	MP3B	Z	-1.34	2
135	MP3B	Mx	-.001	2
136	MP3B	X	-.774	3
137	MP3B	Z	-1.34	3
138	MP3B	Mx	-.001	3
139	M48	X	-7.302	.25
140	M48	Z	-12.647	.25
141	M48	Mx	0	.25



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
142	M48	X	-7.302	1.25
143	M48	Z	-12.647	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	-9.21	.5
3	MP3A	Mx	-.006	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-9.21	5.5
6	MP3A	Mx	-.006	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-7.355	.5
9	MP3B	Mx	.006	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-7.355	5.5
12	MP3B	Mx	.006	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-6.839	.5
15	MP3C	Mx	-.000682	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-6.839	5.5
18	MP3C	Mx	-.000682	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-9.21	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-9.21	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-7.355	.5
27	MP3B	Mx	-.000335	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-7.355	5.5
30	MP3B	Mx	-.000335	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-6.839	.5
33	MP3C	Mx	-.005	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-6.839	5.5
36	MP3C	Mx	-.005	5.5
37	MP5A	X	0	2
38	MP5A	Z	-3.963	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	-3.963	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	-2.438	2
45	MP5B	Mx	.000934	2
46	MP5B	X	0	4
47	MP5B	Z	-2.438	4
48	MP5B	Mx	.000934	4
49	MP5C	X	0	2
50	MP5C	Z	-2.014	2

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

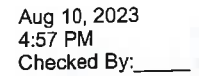
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
51	MP5C	Mx	-.000872	2
52	MP5C	X	0	4
53	MP5C	Z	-2.014	4
54	MP5C	Mx	-.000872	4
55	MP4A	X	0	.5
56	MP4A	Z	-4.793	.5
57	MP4A	Mx	.000416	.5
58	MP4A	X	0	3.5
59	MP4A	Z	-4.793	3.5
60	MP4A	Mx	.000416	3.5
61	MP4B	X	0	.5
62	MP4B	Z	-3.691	.5
63	MP4B	Mx	.001	.5
64	MP4B	X	0	3.5
65	MP4B	Z	-3.691	3.5
66	MP4B	Mx	.001	3.5
67	MP4C	X	0	.5
68	MP4C	Z	-3.105	.5
69	MP4C	Mx	-.001	.5
70	MP4C	X	0	3.5
71	MP4C	Z	-3.105	3.5
72	MP4C	Mx	-.001	3.5
73	MP1A	X	0	2
74	MP1A	Z	-1.8	2
75	MP1A	Mx	0	2
76	MP1B	X	0	2
77	MP1B	Z	-.951	2
78	MP1B	Mx	.000364	2
79	MP1C	X	0	2
80	MP1C	Z	-.715	2
81	MP1C	Mx	-.00031	2
82	M50	X	0	2
83	M50	Z	-.721	2
84	M50	Mx	0	2
85	M41	X	0	1.5
86	M41	Z	-2.968	1.5
87	M41	Mx	0	1.5
88	M188A	X	0	2
89	M188A	Z	-4.847	2
90	M188A	Mx	0	2
91	M51	X	0	2
92	M51	Z	-.721	2
93	M51	Mx	0	2
94	M200	X	0	2
95	M200	Z	-.721	2
96	M200	Mx	.000123	2
97	MP3A	X	0	.5
98	MP3A	Z	-3.134	.5
99	MP3A	Mx	0	.5
100	MP3B	X	0	.5
101	MP3B	Z	-2.529	.5
102	MP3B	Mx	-.000969	.5
103	MP3C	X	0	.5
104	MP3C	Z	-2.361	.5
105	MP3C	Mx	.001	.5
106	M49	X	0	1.5
107	M49	Z	-2.968	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
108	M49	Mx	0	1.5
109	M45	X	0	1.5
110	M45	Z	-2.968	1.5
111	M45	Mx	0	1.5
112	M188A	X	0	2
113	M188A	Z	-4.847	2
114	M188A	Mx	0	2
115	MP3A	X	0	2
116	MP3A	Z	-.971	2
117	MP3A	Mx	-.000487	2
118	MP3A	X	0	3
119	MP3A	Z	-.971	3
120	MP3A	Mx	-.000487	3
121	MP3B	X	0	2
122	MP3B	Z	-.972	2
123	MP3B	Mx	-.000536	2
124	MP3B	X	0	3
125	MP3B	Z	-.972	3
126	MP3B	Mx	-.000536	3
127	MP3A	X	0	2
128	MP3A	Z	-.971	2
129	MP3A	Mx	.00015	2
130	MP3A	X	0	3
131	MP3A	Z	-.971	3
132	MP3A	Mx	.00015	3
133	MP3B	X	0	2
134	MP3B	Z	-.972	2
135	MP3B	Mx	-.000953	2
136	MP3B	X	0	3
137	MP3B	Z	-.972	3
138	MP3B	Mx	-.000953	3
139	M48	X	0	.25
140	M48	Z	-3.357	.25
141	M48	Mx	0	.25
142	M48	X	0	1.25
143	M48	Z	-3.357	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.21	.5
2	MP3A	Z	-7.292	.5
3	MP3A	Mx	-.007	.5
4	MP3A	X	4.21	5.5
5	MP3A	Z	-7.292	5.5
6	MP3A	Mx	-.007	5.5
7	MP3B	X	3.072	.5
8	MP3B	Z	-5.321	.5
9	MP3B	Mx	.004	.5
10	MP3B	X	3.072	5.5
11	MP3B	Z	-5.321	5.5
12	MP3B	Mx	.004	5.5
13	MP3C	X	4.21	.5
14	MP3C	Z	-7.292	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	4.21	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
74	MP1A	Z	-1.245	2
75	MP1A	Mx	-.00036	2
76	MP1B	X	.198	2
77	MP1B	Z	-.343	2
78	MP1B	Mx	.000195	2
79	MP1C	X	.719	2
80	MP1C	Z	-1.245	2
81	MP1C	Mx	-.000359	2
82	M50	X	.306	2
83	M50	Z	-.531	2
84	M50	Mx	0	2
85	M41	X	1.152	1.5
86	M41	Z	-1.995	1.5
87	M41	Mx	0	1.5
88	M188A	X	2.007	2
89	M188A	Z	-3.477	2
90	M188A	Mx	0	2
91	M51	X	.306	2
92	M51	Z	-.531	2
93	M51	Mx	0	2
94	M200	X	.306	2
95	M200	Z	-.531	2
96	M200	Mx	.000235	2
97	MP3A	X	1.438	.5
98	MP3A	Z	-2.491	.5
99	MP3A	Mx	.000719	.5
100	MP3B	X	1.067	.5
101	MP3B	Z	-1.848	.5
102	MP3B	Mx	-.001	.5
103	MP3C	X	1.438	.5
104	MP3C	Z	-2.491	.5
105	MP3C	Mx	.000719	.5
106	M49	X	1.152	1.5
107	M49	Z	-1.995	1.5
108	M49	Mx	0	1.5
109	M45	X	1.152	1.5
110	M45	Z	-1.995	1.5
111	M45	Mx	0	1.5
112	M188A	X	2.007	2
113	M188A	Z	-3.477	2
114	M188A	Mx	0	2
115	MP3A	X	.485	2
116	MP3A	Z	-.841	2
117	MP3A	Mx	2.7e-5	2
118	MP3A	X	.485	3
119	MP3A	Z	-.841	3
120	MP3A	Mx	2.7e-5	3
121	MP3B	X	.487	2
122	MP3B	Z	-.843	2
123	MP3B	Mx	-.000903	2
124	MP3B	X	.487	3
125	MP3B	Z	-.843	3
126	MP3B	Mx	-.000903	3
127	MP3A	X	.485	2
128	MP3A	Z	-.841	2
129	MP3A	Mx	.000636	2
130	MP3A	X	.485	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
131	MP3A	Z	-.841	3
132	MP3A	Mx	.000636	3
133	MP3B	X	.487	2
134	MP3B	Z	-.843	2
135	MP3B	Mx	-.001	2
136	MP3B	X	.487	3
137	MP3B	Z	-.843	3
138	MP3B	Mx	-.001	3
139	M48	X	.785	.25
140	M48	Z	-1.36	.25
141	M48	Mx	0	.25
142	M48	X	.785	1.25
143	M48	Z	-1.36	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	5.923	.5
2	MP3A	Z	-3.42	.5
3	MP3A	Mx	-.005	.5
4	MP3A	X	5.923	5.5
5	MP3A	Z	-3.42	5.5
6	MP3A	Mx	-.005	5.5
7	MP3B	X	5.559	.5
8	MP3B	Z	-3.209	.5
9	MP3B	Mx	.002	.5
10	MP3B	X	5.559	5.5
11	MP3B	Z	-3.209	5.5
12	MP3B	Mx	.002	5.5
13	MP3C	X	7.976	.5
14	MP3C	Z	-4.605	.5
15	MP3C	Mx	.006	.5
16	MP3C	X	7.976	5.5
17	MP3C	Z	-4.605	5.5
18	MP3C	Mx	.006	5.5
19	MP3A	X	5.923	.5
20	MP3A	Z	-3.42	.5
21	MP3A	Mx	-.000681	.5
22	MP3A	X	5.923	5.5
23	MP3A	Z	-3.42	5.5
24	MP3A	Mx	-.000681	5.5
25	MP3B	X	5.559	.5
26	MP3B	Z	-3.209	.5
27	MP3B	Mx	.004	.5
28	MP3B	X	5.559	5.5
29	MP3B	Z	-3.209	5.5
30	MP3B	Mx	.004	5.5
31	MP3C	X	7.976	.5
32	MP3C	Z	-4.605	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	7.976	5.5
35	MP3C	Z	-4.605	5.5
36	MP3C	Mx	-.006	5.5
37	MP5A	X	1.744	2
38	MP5A	Z	-1.007	2
39	MP5A	Mx	-.000872	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP5A	X	1.744	4
41	MP5A	Z	-1.007	4
42	MP5A	Mx	-.000872	4
43	MP5B	X	1.445	2
44	MP5B	Z	-.834	2
45	MP5B	Mx	.000784	2
46	MP5B	X	1.445	4
47	MP5B	Z	-.834	4
48	MP5B	Mx	.000784	4
49	MP5C	X	3.432	2
50	MP5C	Z	-1.981	2
51	MP5C	Mx	0	2
52	MP5C	X	3.432	4
53	MP5C	Z	-1.981	4
54	MP5C	Mx	0	4
55	MP4A	X	3.196	.5
56	MP4A	Z	-1.845	.5
57	MP4A	Mx	-.001	.5
58	MP4A	X	3.196	3.5
59	MP4A	Z	-1.845	3.5
60	MP4A	Mx	-.001	3.5
61	MP4B	X	2.689	.5
62	MP4B	Z	-1.552	.5
63	MP4B	Mx	.001	.5
64	MP4B	X	2.689	3.5
65	MP4B	Z	-1.552	3.5
66	MP4B	Mx	.001	3.5
67	MP4C	X	4.151	.5
68	MP4C	Z	-2.396	.5
69	MP4C	Mx	-.000416	.5
70	MP4C	X	4.151	3.5
71	MP4C	Z	-2.396	3.5
72	MP4C	Mx	-.000416	3.5
73	MP1A	X	.619	2
74	MP1A	Z	-.357	2
75	MP1A	Mx	-.00031	2
76	MP1B	X	.452	2
77	MP1B	Z	-.261	2
78	MP1B	Mx	.000245	2
79	MP1C	X	1.558	2
80	MP1C	Z	-.9	2
81	MP1C	Mx	0	2
82	M50	X	.454	2
83	M50	Z	-.262	2
84	M50	Mx	0	2
85	M41	X	1.525	1.5
86	M41	Z	-.881	1.5
87	M41	Mx	0	1.5
88	M188A	X	2.889	2
89	M188A	Z	-1.668	2
90	M188A	Mx	0	2
91	M51	X	.454	2
92	M51	Z	-.262	2
93	M51	Mx	0	2
94	M200	X	.454	2
95	M200	Z	-.262	2
96	M200	Mx	.000258	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
97	MP3A	X	2.044	.5
98	MP3A	Z	-1.18	.5
99	MP3A	Mx	.001	.5
100	MP3B	X	1.926	.5
101	MP3B	Z	-1.112	.5
102	MP3B	Mx	-.001	.5
103	MP3C	X	2.714	.5
104	MP3C	Z	-1.567	.5
105	MP3C	Mx	0	.5
106	M49	X	1.525	1.5
107	M49	Z	-.881	1.5
108	M49	Mx	0	1.5
109	M45	X	1.525	1.5
110	M45	Z	-.881	1.5
111	M45	Mx	0	1.5
112	M188A	X	2.889	2
113	M188A	Z	-1.668	2
114	M188A	Mx	0	2
115	MP3A	X	.842	2
116	MP3A	Z	-.486	2
117	MP3A	Mx	.000537	2
118	MP3A	X	.842	3
119	MP3A	Z	-.486	3
120	MP3A	Mx	.000537	3
121	MP3B	X	.843	2
122	MP3B	Z	-.487	2
123	MP3B	Mx	-.001	2
124	MP3B	X	.843	3
125	MP3B	Z	-.487	3
126	MP3B	Mx	-.001	3
127	MP3A	X	.842	2
128	MP3A	Z	-.486	2
129	MP3A	Mx	.000953	2
130	MP3A	X	.842	3
131	MP3A	Z	-.486	3
132	MP3A	Mx	.000953	3
133	MP3B	X	.843	2
134	MP3B	Z	-.487	2
135	MP3B	Mx	-.000804	2
136	MP3B	X	.843	3
137	MP3B	Z	-.487	3
138	MP3B	Mx	-.000804	3
139	M48	X	.099	.25
140	M48	Z	-.057	.25
141	M48	Mx	0	.25
142	M48	X	.099	1.25
143	M48	Z	-.057	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.049	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	6.049	5.5
5	MP3A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP3A	Mx	-.003	5.5
7	MP3B	X	7.904	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.001	.5
10	MP3B	X	7.904	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.001	5.5
13	MP3C	X	8.42	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.007	.5
16	MP3C	X	8.42	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.007	5.5
19	MP3A	X	6.049	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	6.049	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	7.904	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	7.904	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.007	5.5
31	MP3C	X	8.42	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	8.42	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.003	5.5
37	MP5A	X	1.365	2
38	MP5A	Z	0	2
39	MP5A	Mx	-.000682	2
40	MP5A	X	1.365	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.000682	4
43	MP5B	X	2.889	2
44	MP5B	Z	0	2
45	MP5B	Mx	.000929	2
46	MP5B	X	2.889	4
47	MP5B	Z	0	4
48	MP5B	Mx	.000929	4
49	MP5C	X	3.313	2
50	MP5C	Z	0	2
51	MP5C	Mx	.000828	2
52	MP5C	X	3.313	4
53	MP5C	Z	0	4
54	MP5C	Mx	.000828	4
55	MP4A	X	2.933	.5
56	MP4A	Z	0	.5
57	MP4A	Mx	-.001	.5
58	MP4A	X	2.933	3.5
59	MP4A	Z	0	3.5
60	MP4A	Mx	-.001	3.5
61	MP4B	X	4.035	.5
62	MP4B	Z	0	.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP4B	Mx	.001	.5
64	MP4B	X	4.035	3.5
65	MP4B	Z	0	3.5
66	MP4B	Mx	.001	3.5
67	MP4C	X	4.621	.5
68	MP4C	Z	0	.5
69	MP4C	Mx	.00079	.5
70	MP4C	X	4.621	3.5
71	MP4C	Z	0	3.5
72	MP4C	Mx	.00079	3.5
73	MP1A	X	.353	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.000176	2
76	MP1B	X	1.202	2
77	MP1B	Z	0	2
78	MP1B	Mx	.000386	2
79	MP1C	X	1.438	2
80	MP1C	Z	0	2
81	MP1C	Mx	.00036	2
82	M50	X	.545	2
83	M50	Z	0	2
84	M50	Mx	0	2
85	M41	X	1.884	1.5
86	M41	Z	0	1.5
87	M41	Mx	0	1.5
88	M188A	X	3.49	2
89	M188A	Z	0	2
90	M188A	Mx	0	2
91	M51	X	.545	2
92	M51	Z	0	2
93	M51	Mx	0	2
94	M200	X	.545	2
95	M200	Z	0	2
96	M200	Mx	.000256	2
97	MP3A	X	2.103	.5
98	MP3A	Z	0	.5
99	MP3A	Mx	.001	.5
100	MP3B	X	2.708	.5
101	MP3B	Z	0	.5
102	MP3B	Mx	-.00087	.5
103	MP3C	X	2.876	.5
104	MP3C	Z	0	.5
105	MP3C	Mx	-.000719	.5
106	M49	X	1.884	1.5
107	M49	Z	0	1.5
108	M49	Mx	0	1.5
109	M45	X	1.884	1.5
110	M45	Z	0	1.5
111	M45	Mx	0	1.5
112	M188A	X	3.49	2
113	M188A	Z	0	2
114	M188A	Mx	0	2
115	MP3A	X	.973	2
116	MP3A	Z	0	2
117	MP3A	Mx	.000902	2
118	MP3A	X	.973	3
119	MP3A	Z	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
120	MP3A	Mx	.000902	3
121	MP3B	X	.972	2
122	MP3B	Z	0	2
123	MP3B	Mx	-.000873	2
124	MP3B	X	.972	3
125	MP3B	Z	0	3
126	MP3B	Mx	-.000873	3
127	MP3A	X	.973	2
128	MP3A	Z	0	2
129	MP3A	Mx	.001	2
130	MP3A	X	.973	3
131	MP3A	Z	0	3
132	MP3A	Mx	.001	3
133	MP3B	X	.972	2
134	MP3B	Z	0	2
135	MP3B	Mx	-.000377	2
136	MP3B	X	.972	3
137	MP3B	Z	0	3
138	MP3B	Mx	-.000377	3
139	M48	X	.445	.25
140	M48	Z	0	.25
141	M48	Mx	0	.25
142	M48	X	.445	1.25
143	M48	Z	0	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	5.923	.5
2	MP3A	Z	3.42	.5
3	MP3A	Mx	-.000681	.5
4	MP3A	X	5.923	5.5
5	MP3A	Z	3.42	5.5
6	MP3A	Mx	-.000681	5.5
7	MP3B	X	7.893	.5
8	MP3B	Z	4.557	.5
9	MP3B	Mx	-.005	.5
10	MP3B	X	7.893	5.5
11	MP3B	Z	4.557	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	5.923	.5
14	MP3C	Z	3.42	.5
15	MP3C	Mx	.005	.5
16	MP3C	X	5.923	5.5
17	MP3C	Z	3.42	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	5.923	.5
20	MP3A	Z	3.42	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	5.923	5.5
23	MP3A	Z	3.42	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	7.893	.5
26	MP3B	Z	4.557	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	7.893	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	4.557	5.5
30	MP3B	Mx	.007	5.5
31	MP3C	X	5.923	.5
32	MP3C	Z	3.42	.5
33	MP3C	Mx	.000682	.5
34	MP3C	X	5.923	5.5
35	MP3C	Z	3.42	5.5
36	MP3C	Mx	.000682	5.5
37	MP5A	X	1.744	2
38	MP5A	Z	1.007	2
39	MP5A	Mx	-.000872	2
40	MP5A	X	1.744	4
41	MP5A	Z	1.007	4
42	MP5A	Mx	-.000872	4
43	MP5B	X	3.364	2
44	MP5B	Z	1.942	2
45	MP5B	Mx	.000337	2
46	MP5B	X	3.364	4
47	MP5B	Z	1.942	4
48	MP5B	Mx	.000337	4
49	MP5C	X	1.744	2
50	MP5C	Z	1.007	2
51	MP5C	Mx	.000872	2
52	MP5C	X	1.744	4
53	MP5C	Z	1.007	4
54	MP5C	Mx	.000872	4
55	MP4A	X	2.689	.5
56	MP4A	Z	1.552	.5
57	MP4A	Mx	-.001	.5
58	MP4A	X	2.689	3.5
59	MP4A	Z	1.552	3.5
60	MP4A	Mx	-.001	3.5
61	MP4B	X	4.151	.5
62	MP4B	Z	2.396	.5
63	MP4B	Mx	.000416	.5
64	MP4B	X	4.151	3.5
65	MP4B	Z	2.396	3.5
66	MP4B	Mx	.000416	3.5
67	MP4C	X	3.196	.5
68	MP4C	Z	1.845	.5
69	MP4C	Mx	.001	.5
70	MP4C	X	3.196	3.5
71	MP4C	Z	1.845	3.5
72	MP4C	Mx	.001	3.5
73	MP1A	X	.619	2
74	MP1A	Z	.357	2
75	MP1A	Mx	-.00031	2
76	MP1B	X	1.521	2
77	MP1B	Z	.878	2
78	MP1B	Mx	.000153	2
79	MP1C	X	.619	2
80	MP1C	Z	.357	2
81	MP1C	Mx	.000309	2
82	M50	X	.565	2
83	M50	Z	.326	2
84	M50	Mx	0	2
85	M41	X	2.208	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	M41	Z	1.275	1.5
87	M41	Mx	0	1.5
88	M188A	X	3.743	2
89	M188A	Z	2.161	2
90	M188A	Mx	0	2
91	M51	X	.565	2
92	M51	Z	.326	2
93	M51	Mx	0	2
94	M200	X	.565	2
95	M200	Z	.326	2
96	M200	Mx	.00021	2
97	MP3A	X	2.044	.5
98	MP3A	Z	1.18	.5
99	MP3A	Mx	.001	.5
100	MP3B	X	2.687	.5
101	MP3B	Z	1.551	.5
102	MP3B	Mx	-.00027	.5
103	MP3C	X	2.044	.5
104	MP3C	Z	1.18	.5
105	MP3C	Mx	-.001	.5
106	M49	X	2.208	1.5
107	M49	Z	1.275	1.5
108	M49	Mx	0	1.5
109	M45	X	2.208	1.5
110	M45	Z	1.275	1.5
111	M45	Mx	0	1.5
112	M188A	X	3.743	2
113	M188A	Z	2.161	2
114	M188A	Mx	0	2
115	MP3A	X	.843	2
116	MP3A	Z	.487	2
117	MP3A	Mx	.001	2
118	MP3A	X	.843	3
119	MP3A	Z	.487	3
120	MP3A	Mx	.001	3
121	MP3B	X	.841	2
122	MP3B	Z	.485	2
123	MP3B	Mx	-.000488	2
124	MP3B	X	.841	3
125	MP3B	Z	.485	3
126	MP3B	Mx	-.000488	3
127	MP3A	X	.843	2
128	MP3A	Z	.487	2
129	MP3A	Mx	.000804	2
130	MP3A	X	.843	3
131	MP3A	Z	.487	3
132	MP3A	Mx	.000804	3
133	MP3B	X	.841	2
134	MP3B	Z	.485	2
135	MP3B	Mx	.00015	2
136	MP3B	X	.841	3
137	MP3B	Z	.485	3
138	MP3B	Mx	.00015	3
139	M48	X	1.932	.25
140	M48	Z	1.115	.25
141	M48	Mx	0	.25
142	M48	X	1.932	1.25



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
143	M48	Z	1.115	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.21	.5
2	MP3A	Z	7.292	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	4.21	5.5
5	MP3A	Z	7.292	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	4.42	.5
8	MP3B	Z	7.656	.5
9	MP3B	Mx	-.007	.5
10	MP3B	X	4.42	5.5
11	MP3B	Z	7.656	5.5
12	MP3B	Mx	-.007	5.5
13	MP3C	X	3.024	.5
14	MP3C	Z	5.238	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	3.024	5.5
17	MP3C	Z	5.238	5.5
18	MP3C	Mx	.003	5.5
19	MP3A	X	4.21	.5
20	MP3A	Z	7.292	.5
21	MP3A	Mx	-.007	.5
22	MP3A	X	4.21	5.5
23	MP3A	Z	7.292	5.5
24	MP3A	Mx	-.007	5.5
25	MP3B	X	4.42	.5
26	MP3B	Z	7.656	.5
27	MP3B	Mx	.004	.5
28	MP3B	X	4.42	5.5
29	MP3B	Z	7.656	5.5
30	MP3B	Mx	.004	5.5
31	MP3C	X	3.024	.5
32	MP3C	Z	5.238	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	3.024	5.5
35	MP3C	Z	5.238	5.5
36	MP3C	Mx	.003	5.5
37	MP5A	X	1.657	2
38	MP5A	Z	2.869	2
39	MP5A	Mx	-.000828	2
40	MP5A	X	1.657	4
41	MP5A	Z	2.869	4
42	MP5A	Mx	-.000828	4
43	MP5B	X	1.83	2
44	MP5B	Z	3.169	2
45	MP5B	Mx	-.000626	2
46	MP5B	X	1.83	4
47	MP5B	Z	3.169	4
48	MP5B	Mx	-.000626	4
49	MP5C	X	.682	2
50	MP5C	Z	1.182	2
51	MP5C	Mx	.000682	2

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

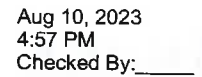
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
52	MP5C	X	.682	4
53	MP5C	Z	1.182	4
54	MP5C	Mx	.000682	4
55	MP4A	X	2.017	.5
56	MP4A	Z	3.494	.5
57	MP4A	Mx	-.001	.5
58	MP4A	X	2.017	3.5
59	MP4A	Z	3.494	3.5
60	MP4A	Mx	-.001	3.5
61	MP4B	X	2.311	.5
62	MP4B	Z	4.002	.5
63	MP4B	Mx	-.00079	.5
64	MP4B	X	2.311	3.5
65	MP4B	Z	4.002	3.5
66	MP4B	Mx	-.00079	3.5
67	MP4C	X	1.466	.5
68	MP4C	Z	2.54	.5
69	MP4C	Mx	.001	.5
70	MP4C	X	1.466	3.5
71	MP4C	Z	2.54	3.5
72	MP4C	Mx	.001	3.5
73	MP1A	X	.719	2
74	MP1A	Z	1.245	2
75	MP1A	Mx	-.00036	2
76	MP1B	X	.815	2
77	MP1B	Z	1.412	2
78	MP1B	Mx	-.000279	2
79	MP1C	X	.176	2
80	MP1C	Z	.306	2
81	MP1C	Mx	.000177	2
82	M50	X	.371	2
83	M50	Z	.642	2
84	M50	Mx	0	2
85	M41	X	1.546	1.5
86	M41	Z	2.677	1.5
87	M41	Mx	0	1.5
88	M188A	X	2.501	2
89	M188A	Z	4.331	2
90	M188A	Mx	0	2
91	M51	X	.371	2
92	M51	Z	.642	2
93	M51	Mx	0	2
94	M200	X	.371	2
95	M200	Z	.642	2
96	M200	Mx	6.5e-5	2
97	MP3A	X	1.438	.5
98	MP3A	Z	2.491	.5
99	MP3A	Mx	.000719	.5
100	MP3B	X	1.507	.5
101	MP3B	Z	2.61	.5
102	MP3B	Mx	.000515	.5
103	MP3C	X	1.051	.5
104	MP3C	Z	1.821	.5
105	MP3C	Mx	-.001	.5
106	M49	X	1.546	1.5
107	M49	Z	2.677	1.5
108	M49	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
109	M45	X	1.546	1.5
110	M45	Z	2.677	1.5
111	M45	Mx	0	1.5
112	M188A	X	2.501	2
113	M188A	Z	4.331	2
114	M188A	Mx	0	2
115	MP3A	X	.486	2
116	MP3A	Z	.842	2
117	MP3A	Mx	.000873	2
118	MP3A	X	.486	3
119	MP3A	Z	.842	3
120	MP3A	Mx	.000873	3
121	MP3B	X	.485	2
122	MP3B	Z	.841	2
123	MP3B	Mx	2.8e-5	2
124	MP3B	X	.485	3
125	MP3B	Z	.841	3
126	MP3B	Mx	2.8e-5	3
127	MP3A	X	.486	2
128	MP3A	Z	.842	2
129	MP3A	Mx	.000377	2
130	MP3A	X	.486	3
131	MP3A	Z	.842	3
132	MP3A	Mx	.000377	3
133	MP3B	X	.485	2
134	MP3B	Z	.841	2
135	MP3B	Mx	.000637	2
136	MP3B	X	.485	3
137	MP3B	Z	.841	3
138	MP3B	Mx	.000637	3
139	M48	X	1.843	.25
140	M48	Z	3.193	.25
141	M48	Mx	0	.25
142	M48	X	1.843	1.25
143	M48	Z	3.193	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	9.21	.5
3	MP3A	Mx	.006	.5
4	MP3A	X	0	5.5
5	MP3A	Z	9.21	5.5
6	MP3A	Mx	.006	5.5
7	MP3B	X	0	.5
8	MP3B	Z	7.355	.5
9	MP3B	Mx	-.006	.5
10	MP3B	X	0	5.5
11	MP3B	Z	7.355	5.5
12	MP3B	Mx	-.006	5.5
13	MP3C	X	0	.5
14	MP3C	Z	6.839	.5
15	MP3C	Mx	.000682	.5
16	MP3C	X	0	5.5
17	MP3C	Z	6.839	5.5



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP3C	Mx	.000682	5.5
19	MP3A	X	0	.5
20	MP3A	Z	9.21	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	0	5.5
23	MP3A	Z	9.21	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	0	.5
26	MP3B	Z	7.355	.5
27	MP3B	Mx	.000335	.5
28	MP3B	X	0	5.5
29	MP3B	Z	7.355	5.5
30	MP3B	Mx	.000335	5.5
31	MP3C	X	0	.5
32	MP3C	Z	6.839	.5
33	MP3C	Mx	.005	.5
34	MP3C	X	0	5.5
35	MP3C	Z	6.839	5.5
36	MP3C	Mx	.005	5.5
37	MP5A	X	0	2
38	MP5A	Z	3.963	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	3.963	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	2.438	2
45	MP5B	Mx	-.000934	2
46	MP5B	X	0	4
47	MP5B	Z	2.438	4
48	MP5B	Mx	-.000934	4
49	MP5C	X	0	2
50	MP5C	Z	2.014	2
51	MP5C	Mx	.000872	2
52	MP5C	X	0	4
53	MP5C	Z	2.014	4
54	MP5C	Mx	.000872	4
55	MP4A	X	0	.5
56	MP4A	Z	4.793	.5
57	MP4A	Mx	-.000416	.5
58	MP4A	X	0	3.5
59	MP4A	Z	4.793	3.5
60	MP4A	Mx	-.000416	3.5
61	MP4B	X	0	.5
62	MP4B	Z	3.691	.5
63	MP4B	Mx	-.001	.5
64	MP4B	X	0	3.5
65	MP4B	Z	3.691	3.5
66	MP4B	Mx	-.001	3.5
67	MP4C	X	0	.5
68	MP4C	Z	3.105	.5
69	MP4C	Mx	.001	.5
70	MP4C	X	0	3.5
71	MP4C	Z	3.105	3.5
72	MP4C	Mx	.001	3.5
73	MP1A	X	0	2
74	MP1A	Z	1.8	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	MP1A	Mx	0	2
76	MP1B	X	0	2
77	MP1B	Z	.951	2
78	MP1B	Mx	-.000364	2
79	MP1C	X	0	2
80	MP1C	Z	.715	2
81	MP1C	Mx	.00031	2
82	M50	X	0	2
83	M50	Z	.721	2
84	M50	Mx	0	2
85	M41	X	0	1.5
86	M41	Z	2.968	1.5
87	M41	Mx	0	1.5
88	M188A	X	0	2
89	M188A	Z	4.847	2
90	M188A	Mx	0	2
91	M51	X	0	2
92	M51	Z	.721	2
93	M51	Mx	0	2
94	M200	X	0	2
95	M200	Z	.721	2
96	M200	Mx	-.000123	2
97	MP3A	X	0	.5
98	MP3A	Z	3.134	.5
99	MP3A	Mx	0	.5
100	MP3B	X	0	.5
101	MP3B	Z	2.529	.5
102	MP3B	Mx	.000969	.5
103	MP3C	X	0	.5
104	MP3C	Z	2.361	.5
105	MP3C	Mx	-.001	.5
106	M49	X	0	1.5
107	M49	Z	2.968	1.5
108	M49	Mx	0	1.5
109	M45	X	0	1.5
110	M45	Z	2.968	1.5
111	M45	Mx	0	1.5
112	M188A	X	0	2
113	M188A	Z	4.847	2
114	M188A	Mx	0	2
115	MP3A	X	0	2
116	MP3A	Z	.971	2
117	MP3A	Mx	.000487	2
118	MP3A	X	0	3
119	MP3A	Z	.971	3
120	MP3A	Mx	.000487	3
121	MP3B	X	0	2
122	MP3B	Z	.972	2
123	MP3B	Mx	.000536	2
124	MP3B	X	0	3
125	MP3B	Z	.972	3
126	MP3B	Mx	.000536	3
127	MP3A	X	0	2
128	MP3A	Z	.971	2
129	MP3A	Mx	-.00015	2
130	MP3A	X	0	3
131	MP3A	Z	.971	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
132	MP3A	Mx	-.00015	3
133	MP3B	X	0	2
134	MP3B	Z	.972	2
135	MP3B	Mx	.000953	2
136	MP3B	X	0	3
137	MP3B	Z	.972	3
138	MP3B	Mx	.000953	3
139	M48	X	0	.25
140	M48	Z	3.357	.25
141	M48	Mx	0	.25
142	M48	X	0	1.25
143	M48	Z	3.357	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.21	.5
2	MP3A	Z	7.292	.5
3	MP3A	Mx	.007	.5
4	MP3A	X	-4.21	5.5
5	MP3A	Z	7.292	5.5
6	MP3A	Mx	.007	5.5
7	MP3B	X	-3.072	.5
8	MP3B	Z	5.321	.5
9	MP3B	Mx	-.004	.5
10	MP3B	X	-3.072	5.5
11	MP3B	Z	5.321	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	-4.21	.5
14	MP3C	Z	7.292	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	-4.21	5.5
17	MP3C	Z	7.292	5.5
18	MP3C	Mx	-.003	5.5
19	MP3A	X	-4.21	.5
20	MP3A	Z	7.292	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	-4.21	5.5
23	MP3A	Z	7.292	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	-3.072	.5
26	MP3B	Z	5.321	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	-3.072	5.5
29	MP3B	Z	5.321	5.5
30	MP3B	Mx	-.002	5.5
31	MP3C	X	-4.21	.5
32	MP3C	Z	7.292	.5
33	MP3C	Mx	.007	.5
34	MP3C	X	-4.21	5.5
35	MP3C	Z	7.292	5.5
36	MP3C	Mx	.007	5.5
37	MP5A	X	-1.657	2
38	MP5A	Z	2.869	2
39	MP5A	Mx	.000828	2
40	MP5A	X	-1.657	4



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

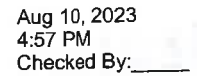
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP5A	Z	2.869	4
42	MP5A	Mx	.000828	4
43	MP5B	X	-.722	2
44	MP5B	Z	1.25	2
45	MP5B	Mx	-.000711	2
46	MP5B	X	-.722	4
47	MP5B	Z	1.25	4
48	MP5B	Mx	-.000711	4
49	MP5C	X	-1.657	2
50	MP5C	Z	2.869	2
51	MP5C	Mx	.000828	2
52	MP5C	X	-1.657	4
53	MP5C	Z	2.869	4
54	MP5C	Mx	.000828	4
55	MP4A	X	-2.311	.5
56	MP4A	Z	4.002	.5
57	MP4A	Mx	.00079	.5
58	MP4A	X	-2.311	3.5
59	MP4A	Z	4.002	3.5
60	MP4A	Mx	.00079	3.5
61	MP4B	X	-1.466	.5
62	MP4B	Z	2.54	.5
63	MP4B	Mx	-.001	.5
64	MP4B	X	-1.466	3.5
65	MP4B	Z	2.54	3.5
66	MP4B	Mx	-.001	3.5
67	MP4C	X	-2.017	.5
68	MP4C	Z	3.494	.5
69	MP4C	Mx	.001	.5
70	MP4C	X	-2.017	3.5
71	MP4C	Z	3.494	3.5
72	MP4C	Mx	.001	3.5
73	MP1A	X	-.719	2
74	MP1A	Z	1.245	2
75	MP1A	Mx	.00036	2
76	MP1B	X	-.198	2
77	MP1B	Z	.343	2
78	MP1B	Mx	-.000195	2
79	MP1C	X	-.719	2
80	MP1C	Z	1.245	2
81	MP1C	Mx	.000359	2
82	M50	X	-.306	2
83	M50	Z	.531	2
84	M50	Mx	0	2
85	M41	X	-1.152	1.5
86	M41	Z	1.995	1.5
87	M41	Mx	0	1.5
88	M188A	X	-2.007	2
89	M188A	Z	3.477	2
90	M188A	Mx	0	2
91	M51	X	-.306	2
92	M51	Z	.531	2
93	M51	Mx	0	2
94	M200	X	-.306	2
95	M200	Z	.531	2
96	M200	Mx	-.000235	2
97	MP3A	X	-1.438	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	MP3A	Z	2.491	.5
99	MP3A	Mx	-.000719	.5
100	MP3B	X	-1.067	.5
101	MP3B	Z	1.848	.5
102	MP3B	Mx	.001	.5
103	MP3C	X	-1.438	.5
104	MP3C	Z	2.491	.5
105	MP3C	Mx	-.000719	.5
106	M49	X	-1.152	1.5
107	M49	Z	1.995	1.5
108	M49	Mx	0	1.5
109	M45	X	-1.152	1.5
110	M45	Z	1.995	1.5
111	M45	Mx	0	1.5
112	M188A	X	-2.007	2
113	M188A	Z	3.477	2
114	M188A	Mx	0	2
115	MP3A	X	-.485	2
116	MP3A	Z	.841	2
117	MP3A	Mx	-2.7e-5	2
118	MP3A	X	-.485	3
119	MP3A	Z	.841	3
120	MP3A	Mx	-2.7e-5	3
121	MP3B	X	-.487	2
122	MP3B	Z	.843	2
123	MP3B	Mx	.000903	2
124	MP3B	X	-.487	3
125	MP3B	Z	.843	3
126	MP3B	Mx	.000903	3
127	MP3A	X	-.485	2
128	MP3A	Z	.841	2
129	MP3A	Mx	-.000636	2
130	MP3A	X	-.485	3
131	MP3A	Z	.841	3
132	MP3A	Mx	-.000636	3
133	MP3B	X	-.487	2
134	MP3B	Z	.843	2
135	MP3B	Mx	.001	2
136	MP3B	X	-.487	3
137	MP3B	Z	.843	3
138	MP3B	Mx	.001	3
139	M48	X	-.785	.25
140	M48	Z	1.36	.25
141	M48	Mx	0	.25
142	M48	X	-.785	1.25
143	M48	Z	1.36	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-5.923	.5
2	MP3A	Z	3.42	.5
3	MP3A	Mx	.005	.5
4	MP3A	X	-5.923	5.5
5	MP3A	Z	3.42	5.5
6	MP3A	Mx	.005	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP4B	X	-2.689	3.5
65	MP4B	Z	1.552	3.5
66	MP4B	Mx	-.001	3.5
67	MP4C	X	-4.151	.5
68	MP4C	Z	2.396	.5
69	MP4C	Mx	.000416	.5
70	MP4C	X	-4.151	3.5
71	MP4C	Z	2.396	3.5
72	MP4C	Mx	.000416	3.5
73	MP1A	X	-.619	2
74	MP1A	Z	.357	2
75	MP1A	Mx	.00031	2
76	MP1B	X	-.452	2
77	MP1B	Z	.261	2
78	MP1B	Mx	-.000245	2
79	MP1C	X	-1.558	2
80	MP1C	Z	.9	2
81	MP1C	Mx	0	2
82	M50	X	-.454	2
83	M50	Z	.262	2
84	M50	Mx	0	2
85	M41	X	-1.525	1.5
86	M41	Z	.881	1.5
87	M41	Mx	0	1.5
88	M188A	X	-2.889	2
89	M188A	Z	1.668	2
90	M188A	Mx	0	2
91	M51	X	-.454	2
92	M51	Z	.262	2
93	M51	Mx	0	2
94	M200	X	-.454	2
95	M200	Z	.262	2
96	M200	Mx	-.000258	2
97	MP3A	X	-2.044	.5
98	MP3A	Z	1.18	.5
99	MP3A	Mx	-.001	.5
100	MP3B	X	-1.926	.5
101	MP3B	Z	1.112	.5
102	MP3B	Mx	.001	.5
103	MP3C	X	-2.714	.5
104	MP3C	Z	1.567	.5
105	MP3C	Mx	0	.5
106	M49	X	-1.525	1.5
107	M49	Z	.881	1.5
108	M49	Mx	0	1.5
109	M45	X	-1.525	1.5
110	M45	Z	.881	1.5
111	M45	Mx	0	1.5
112	M188A	X	-2.889	2
113	M188A	Z	1.668	2
114	M188A	Mx	0	2
115	MP3A	X	-.842	2
116	MP3A	Z	.486	2
117	MP3A	Mx	-.000537	2
118	MP3A	X	-.842	3
119	MP3A	Z	.486	3
120	MP3A	Mx	-.000537	3



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
121	MP3B	X	-.843	2
122	MP3B	Z	.487	2
123	MP3B	Mx	.001	2
124	MP3B	X	-.843	3
125	MP3B	Z	.487	3
126	MP3B	Mx	.001	3
127	MP3A	X	-.842	2
128	MP3A	Z	.486	2
129	MP3A	Mx	-.000953	2
130	MP3A	X	-.842	3
131	MP3A	Z	.486	3
132	MP3A	Mx	-.000953	3
133	MP3B	X	-.843	2
134	MP3B	Z	.487	2
135	MP3B	Mx	.000804	2
136	MP3B	X	-.843	3
137	MP3B	Z	.487	3
138	MP3B	Mx	.000804	3
139	M48	X	-.099	.25
140	M48	Z	.057	.25
141	M48	Mx	0	.25
142	M48	X	-.099	1.25
143	M48	Z	.057	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.049	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	-6.049	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	-7.904	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.001	.5
10	MP3B	X	-7.904	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	-8.42	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.007	.5
16	MP3C	X	-8.42	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.007	5.5
19	MP3A	X	-6.049	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-6.049	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	-7.904	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.007	.5
28	MP3B	X	-7.904	5.5
29	MP3B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
30	MP3B	Mx	-.007	5.5
31	MP3C	X	-8.42	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	-8.42	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.003	5.5
37	MP5A	X	-1.365	2
38	MP5A	Z	0	2
39	MP5A	Mx	.000682	2
40	MP5A	X	-1.365	4
41	MP5A	Z	0	4
42	MP5A	Mx	.000682	4
43	MP5B	X	-2.889	2
44	MP5B	Z	0	2
45	MP5B	Mx	-.000929	2
46	MP5B	X	-2.889	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.000929	4
49	MP5C	X	-3.313	2
50	MP5C	Z	0	2
51	MP5C	Mx	-.000828	2
52	MP5C	X	-3.313	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.000828	4
55	MP4A	X	-2.933	.5
56	MP4A	Z	0	.5
57	MP4A	Mx	.001	.5
58	MP4A	X	-2.933	3.5
59	MP4A	Z	0	3.5
60	MP4A	Mx	.001	3.5
61	MP4B	X	-4.035	.5
62	MP4B	Z	0	.5
63	MP4B	Mx	-.001	.5
64	MP4B	X	-4.035	3.5
65	MP4B	Z	0	3.5
66	MP4B	Mx	-.001	3.5
67	MP4C	X	-4.621	.5
68	MP4C	Z	0	.5
69	MP4C	Mx	-.00079	.5
70	MP4C	X	-4.621	3.5
71	MP4C	Z	0	3.5
72	MP4C	Mx	-.00079	3.5
73	MP1A	X	-.353	2
74	MP1A	Z	0	2
75	MP1A	Mx	.000176	2
76	MP1B	X	-1.202	2
77	MP1B	Z	0	2
78	MP1B	Mx	-.000386	2
79	MP1C	X	-1.438	2
80	MP1C	Z	0	2
81	MP1C	Mx	-.00036	2
82	M50	X	-.545	2
83	M50	Z	0	2
84	M50	Mx	0	2
85	M41	X	-1.884	1.5
86	M41	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
87	M41	Mx	0	1.5
88	M188A	X	-3.49	2
89	M188A	Z	0	2
90	M188A	Mx	0	2
91	M51	X	-.545	2
92	M51	Z	0	2
93	M51	Mx	0	2
94	M200	X	-.545	2
95	M200	Z	0	2
96	M200	Mx	-.000256	2
97	MP3A	X	-2.103	.5
98	MP3A	Z	0	.5
99	MP3A	Mx	-.001	.5
100	MP3B	X	-2.708	.5
101	MP3B	Z	0	.5
102	MP3B	Mx	.00087	.5
103	MP3C	X	-2.876	.5
104	MP3C	Z	0	.5
105	MP3C	Mx	.000719	.5
106	M49	X	-1.884	1.5
107	M49	Z	0	1.5
108	M49	Mx	0	1.5
109	M45	X	-1.884	1.5
110	M45	Z	0	1.5
111	M45	Mx	0	1.5
112	M188A	X	-3.49	2
113	M188A	Z	0	2
114	M188A	Mx	0	2
115	MP3A	X	-.973	2
116	MP3A	Z	0	2
117	MP3A	Mx	-.000902	2
118	MP3A	X	-.973	3
119	MP3A	Z	0	3
120	MP3A	Mx	-.000902	3
121	MP3B	X	-.972	2
122	MP3B	Z	0	2
123	MP3B	Mx	.000873	2
124	MP3B	X	-.972	3
125	MP3B	Z	0	3
126	MP3B	Mx	.000873	3
127	MP3A	X	-.973	2
128	MP3A	Z	0	2
129	MP3A	Mx	-.001	2
130	MP3A	X	-.973	3
131	MP3A	Z	0	3
132	MP3A	Mx	-.001	3
133	MP3B	X	-.972	2
134	MP3B	Z	0	2
135	MP3B	Mx	.000377	2
136	MP3B	X	-.972	3
137	MP3B	Z	0	3
138	MP3B	Mx	.000377	3
139	M48	X	-.445	.25
140	M48	Z	0	.25
141	M48	Mx	0	.25
142	M48	X	-.445	1.25
143	M48	Z	0	1.25



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

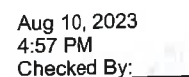
Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-5.923	.5
2	MP3A	Z	-3.42	.5
3	MP3A	Mx	.000681	.5
4	MP3A	X	-5.923	5.5
5	MP3A	Z	-3.42	5.5
6	MP3A	Mx	.000681	5.5
7	MP3B	X	-7.893	.5
8	MP3B	Z	-4.557	.5
9	MP3B	Mx	.005	.5
10	MP3B	X	-7.893	5.5
11	MP3B	Z	-4.557	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	-5.923	.5
14	MP3C	Z	-3.42	.5
15	MP3C	Mx	-.005	.5
16	MP3C	X	-5.923	5.5
17	MP3C	Z	-3.42	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-5.923	.5
20	MP3A	Z	-3.42	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-5.923	5.5
23	MP3A	Z	-3.42	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-7.893	.5
26	MP3B	Z	-4.557	.5
27	MP3B	Mx	-.007	.5
28	MP3B	X	-7.893	5.5
29	MP3B	Z	-4.557	5.5
30	MP3B	Mx	-.007	5.5
31	MP3C	X	-5.923	.5
32	MP3C	Z	-3.42	.5
33	MP3C	Mx	-.000682	.5
34	MP3C	X	-5.923	5.5
35	MP3C	Z	-3.42	5.5
36	MP3C	Mx	-.000682	5.5
37	MP5A	X	-1.744	2
38	MP5A	Z	-1.007	2
39	MP5A	Mx	.000872	2
40	MP5A	X	-1.744	4
41	MP5A	Z	-1.007	4
42	MP5A	Mx	.000872	4
43	MP5B	X	-3.364	2
44	MP5B	Z	-1.942	2
45	MP5B	Mx	-.000337	2
46	MP5B	X	-3.364	4
47	MP5B	Z	-1.942	4
48	MP5B	Mx	-.000337	4
49	MP5C	X	-1.744	2
50	MP5C	Z	-1.007	2
51	MP5C	Mx	-.000872	2
52	MP5C	X	-1.744	4



RISA-3D Version 17.0.4 [\\...\\...\\Rev. 0\\RISA\\5000386107-VZW_MT_LO_H.r3d] Page 112



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
110	M45	Z	-1.275	1.5
111	M45	Mx	0	1.5
112	M188A	X	-3.743	2
113	M188A	Z	-2.161	2
114	M188A	Mx	0	2
115	MP3A	X	-.843	2
116	MP3A	Z	-.487	2
117	MP3A	Mx	-.001	2
118	MP3A	X	-.843	3
119	MP3A	Z	-.487	3
120	MP3A	Mx	-.001	3
121	MP3B	X	-.841	2
122	MP3B	Z	-.485	2
123	MP3B	Mx	.000488	2
124	MP3B	X	-.841	3
125	MP3B	Z	-.485	3
126	MP3B	Mx	.000488	3
127	MP3A	X	-.843	2
128	MP3A	Z	-.487	2
129	MP3A	Mx	-.000804	2
130	MP3A	X	-.843	3
131	MP3A	Z	-.487	3
132	MP3A	Mx	-.000804	3
133	MP3B	X	-.841	2
134	MP3B	Z	-.485	2
135	MP3B	Mx	-.00015	2
136	MP3B	X	-.841	3
137	MP3B	Z	-.485	3
138	MP3B	Mx	-.00015	3
139	M48	X	-1.932	.25
140	M48	Z	-1.115	.25
141	M48	Mx	0	.25
142	M48	X	-1.932	1.25
143	M48	Z	-1.115	1.25
144	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.21	.5
2	MP3A	Z	-7.292	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	-4.21	5.5
5	MP3A	Z	-7.292	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	-4.42	.5
8	MP3B	Z	-7.656	.5
9	MP3B	Mx	.007	.5
10	MP3B	X	-4.42	5.5
11	MP3B	Z	-7.656	5.5
12	MP3B	Mx	.007	5.5
13	MP3C	X	-3.024	.5
14	MP3C	Z	-5.238	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	-3.024	5.5
17	MP3C	Z	-5.238	5.5
18	MP3C	Mx	-.003	5.5



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP3A	X	-4.21	.5
20	MP3A	Z	-7.292	.5
21	MP3A	Mx	.007	.5
22	MP3A	X	-4.21	5.5
23	MP3A	Z	-7.292	5.5
24	MP3A	Mx	.007	5.5
25	MP3B	X	-4.42	.5
26	MP3B	Z	-7.656	.5
27	MP3B	Mx	-.004	.5
28	MP3B	X	-4.42	5.5
29	MP3B	Z	-7.656	5.5
30	MP3B	Mx	-.004	5.5
31	MP3C	X	-3.024	.5
32	MP3C	Z	-5.238	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	-3.024	5.5
35	MP3C	Z	-5.238	5.5
36	MP3C	Mx	-.003	5.5
37	MP5A	X	-1.657	2
38	MP5A	Z	-2.869	2
39	MP5A	Mx	.000828	2
40	MP5A	X	-1.657	4
41	MP5A	Z	-2.869	4
42	MP5A	Mx	.000828	4
43	MP5B	X	-1.83	2
44	MP5B	Z	-3.169	2
45	MP5B	Mx	.000626	2
46	MP5B	X	-1.83	4
47	MP5B	Z	-3.169	4
48	MP5B	Mx	.000626	4
49	MP5C	X	-.682	2
50	MP5C	Z	-1.182	2
51	MP5C	Mx	-.000682	2
52	MP5C	X	-.682	4
53	MP5C	Z	-1.182	4
54	MP5C	Mx	-.000682	4
55	MP4A	X	-2.017	.5
56	MP4A	Z	-3.494	.5
57	MP4A	Mx	.001	.5
58	MP4A	X	-2.017	3.5
59	MP4A	Z	-3.494	3.5
60	MP4A	Mx	.001	3.5
61	MP4B	X	-2.311	.5
62	MP4B	Z	-4.002	.5
63	MP4B	Mx	.00079	.5
64	MP4B	X	-2.311	3.5
65	MP4B	Z	-4.002	3.5
66	MP4B	Mx	.00079	3.5
67	MP4C	X	-1.466	.5
68	MP4C	Z	-2.54	.5
69	MP4C	Mx	-.001	.5
70	MP4C	X	-1.466	3.5
71	MP4C	Z	-2.54	3.5
72	MP4C	Mx	-.001	3.5
73	MP1A	X	-.719	2
74	MP1A	Z	-1.245	2
75	MP1A	Mx	.00036	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP1B	X	-.815	2
77	MP1B	Z	-1.412	2
78	MP1B	Mx	.000279	2
79	MP1C	X	-.176	2
80	MP1C	Z	-.306	2
81	MP1C	Mx	-.000177	2
82	M50	X	-.371	2
83	M50	Z	-.642	2
84	M50	Mx	0	2
85	M41	X	-1.546	1.5
86	M41	Z	-2.677	1.5
87	M41	Mx	0	1.5
88	M188A	X	-2.501	2
89	M188A	Z	-4.331	2
90	M188A	Mx	0	2
91	M51	X	-.371	2
92	M51	Z	-.642	2
93	M51	Mx	0	2
94	M200	X	-.371	2
95	M200	Z	-.642	2
96	M200	Mx	-6.5e-5	2
97	MP3A	X	-1.438	.5
98	MP3A	Z	-2.491	.5
99	MP3A	Mx	-.000719	.5
100	MP3B	X	-1.507	.5
101	MP3B	Z	-2.61	.5
102	MP3B	Mx	-.000515	.5
103	MP3C	X	-1.051	.5
104	MP3C	Z	-1.821	.5
105	MP3C	Mx	.001	.5
106	M49	X	-1.546	1.5
107	M49	Z	-2.677	1.5
108	M49	Mx	0	1.5
109	M45	X	-1.546	1.5
110	M45	Z	-2.677	1.5
111	M45	Mx	0	1.5
112	M188A	X	-2.501	2
113	M188A	Z	-4.331	2
114	M188A	Mx	0	2
115	MP3A	X	-.486	2
116	MP3A	Z	-.842	2
117	MP3A	Mx	-.000873	2
118	MP3A	X	-.486	3
119	MP3A	Z	-.842	3
120	MP3A	Mx	-.000873	3
121	MP3B	X	-.485	2
122	MP3B	Z	-.841	2
123	MP3B	Mx	-2.8e-5	2
124	MP3B	X	-.485	3
125	MP3B	Z	-.841	3
126	MP3B	Mx	-2.8e-5	3
127	MP3A	X	-.486	2
128	MP3A	Z	-.842	2
129	MP3A	Mx	-.000377	2
130	MP3A	X	-.486	3
131	MP3A	Z	-.842	3
132	MP3A	Mx	-.000377	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
133	MP3B	X	-.485	2
134	MP3B	Z	-.841	2
135	MP3B	Mx	-.000637	2
136	MP3B	X	-.485	3
137	MP3B	Z	-.841	3
138	MP3B	Mx	-.000637	3
139	M48	X	-1.843	.25
140	M48	Z	-3.193	.25
141	M48	Mx	0	.25
142	M48	X	-1.843	1.25
143	M48	Z	-3.193	1.25
144	M48	Mx	0	1.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M10	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M10	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M10	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M10	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-1.641	.5
2	MP3A	My	-.00082	.5
3	MP3A	Mz	.001	.5
4	MP3A	Y	-1.641	5.5
5	MP3A	Mv	-.00082	5.5
6	MP3A	Mz	.001	5.5
7	MP3B	Y	-1.641	.5
8	MP3B	My	-.000311	.5
9	MP3B	Mz	-.001	.5
10	MP3B	Y	-1.641	5.5
11	MP3B	Mv	-.000311	5.5
12	MP3B	Mz	-.001	5.5
13	MP3C	Y	-1.641	.5
14	MP3C	My	.001	.5
15	MP3C	Mz	.000164	.5
16	MP3C	Y	-1.641	5.5
17	MP3C	Mv	.001	5.5
18	MP3C	Mz	.000164	5.5
19	MP3A	Y	-1.641	.5
20	MP3A	My	-.00082	.5
21	MP3A	Mz	-.001	.5
22	MP3A	Y	-1.641	5.5
23	MP3A	My	-.00082	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
24	MP3A	Mz	-.001	5.5
25	MP3B	Y	-1.641	.5
26	MP3B	My	.001	.5
27	MP3B	Mz	7.5e-5	.5
28	MP3B	Y	-1.641	5.5
29	MP3B	My	.001	5.5
30	MP3B	Mz	7.5e-5	5.5
31	MP3C	Y	-1.641	.5
32	MP3C	My	-.000537	.5
33	MP3C	Mz	.001	.5
34	MP3C	Y	-1.641	5.5
35	MP3C	My	-.000537	5.5
36	MP3C	Mz	.001	5.5
37	MP5A	Y	-2.258	2
38	MP5A	My	-.001	2
39	MP5A	Mz	0	2
40	MP5A	Y	-2.258	4
41	MP5A	My	-.001	4
42	MP5A	Mz	0	4
43	MP5B	Y	-2.258	2
44	MP5B	My	.000726	2
45	MP5B	Mz	-.000865	2
46	MP5B	Y	-2.258	4
47	MP5B	My	.000726	4
48	MP5B	Mz	-.000865	4
49	MP5C	Y	-2.258	2
50	MP5C	My	.000564	2
51	MP5C	Mz	.000978	2
52	MP5C	Y	-2.258	4
53	MP5C	My	.000564	4
54	MP5C	Mz	.000978	4
55	MP4A	Y	-.371	.5
56	MP4A	My	-.000183	.5
57	MP4A	Mz	-3.2e-5	.5
58	MP4A	Y	-.371	3.5
59	MP4A	My	-.000183	3.5
60	MP4A	Mz	-3.2e-5	3.5
61	MP4B	Y	-.371	.5
62	MP4B	My	.000119	.5
63	MP4B	Mz	-.000142	.5
64	MP4B	Y	-.371	3.5
65	MP4B	My	.000119	3.5
66	MP4B	Mz	-.000142	3.5
67	MP4C	Y	-.371	.5
68	MP4C	My	6.3e-5	.5
69	MP4C	Mz	.000174	.5
70	MP4C	Y	-.371	3.5
71	MP4C	My	6.3e-5	3.5
72	MP4C	Mz	.000174	3.5
73	MP1A	Y	-.228	2
74	MP1A	My	-.000114	2
75	MP1A	Mz	0	2
76	MP1B	Y	-.228	2
77	MP1B	My	7.3e-5	2
78	MP1B	Mz	-8.7e-5	2
79	MP1C	Y	-.228	2
80	MP1C	My	5.7e-5	2



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP1C	Mz	9.9e-5	2
82	M50	Y	-.539	2
83	M50	Mv	0	2
84	M50	Mz	0	2
85	M41	Y	-3.644	1.5
86	M41	Mv	0	1.5
87	M41	Mz	0	1.5
88	M188A	Y	-1.394	2
89	M188A	Mv	0	2
90	M188A	Mz	0	2
91	M51	Y	-.539	2
92	M51	Mv	0	2
93	M51	Mz	0	2
94	M200	Y	-.539	2
95	M200	Mv	.000253	2
96	M200	Mz	-9.2e-5	2
97	MP3A	Y	-4.375	.5
98	MP3A	Mv	.002	.5
99	MP3A	Mz	0	.5
100	MP3B	Y	-4.375	.5
101	MP3B	Mv	-.001	.5
102	MP3B	Mz	.002	.5
103	MP3C	Y	-4.375	.5
104	MP3C	Mv	-.001	.5
105	MP3C	Mz	-.002	.5
106	M49	Y	-3.644	1.5
107	M49	Mv	0	1.5
108	M49	Mz	0	1.5
109	M45	Y	-3.644	1.5
110	M45	Mv	0	1.5
111	M45	Mz	0	1.5
112	M188A	Y	-1.394	2
113	M188A	Mv	0	2
114	M188A	Mz	0	2
115	MP3A	Y	-.456	2
116	MP3A	Mv	.000423	2
117	MP3A	Mz	.000229	2
118	MP3A	Y	-.456	3
119	MP3A	Mv	.000423	3
120	MP3A	Mz	.000229	3
121	MP3B	Y	-.456	2
122	MP3B	Mv	-.00041	2
123	MP3B	Mz	.000252	2
124	MP3B	Y	-.456	3
125	MP3B	Mv	-.00041	3
126	MP3B	Mz	.000252	3
127	MP3A	Y	-.456	2
128	MP3A	Mv	.000476	2
129	MP3A	Mz	-7.1e-5	2
130	MP3A	Y	-.456	3
131	MP3A	Mv	.000476	3
132	MP3A	Mz	-7.1e-5	3
133	MP3B	Y	-.456	2
134	MP3B	Mv	-.000177	2
135	MP3B	Mz	.000447	2
136	MP3B	Y	-.456	3
137	MP3B	Mv	-.000177	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
138	MP3B	Mz	.000447	3
139	M48	Y	-.778	.25
140	M48	My	0	.25
141	M48	Mz	0	.25
142	M48	Y	-.778	1.25
143	M48	Mv	0	1.25
144	M48	Mz	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Z	-4.102	.5
2	MP3A	Mx	-.003	.5
3	MP3A	Z	-4.102	5.5
4	MP3A	Mx	-.003	5.5
5	MP3B	Z	-4.102	.5
6	MP3B	Mx	.003	.5
7	MP3B	Z	-4.102	5.5
8	MP3B	Mx	.003	5.5
9	MP3C	Z	-4.102	.5
10	MP3C	Mx	-.000409	.5
11	MP3C	Z	-4.102	5.5
12	MP3C	Mx	-.000409	5.5
13	MP3A	Z	-4.102	.5
14	MP3A	Mx	.003	.5
15	MP3A	Z	-4.102	5.5
16	MP3A	Mx	.003	5.5
17	MP3B	Z	-4.102	.5
18	MP3B	Mx	-.000187	.5
19	MP3B	Z	-4.102	5.5
20	MP3B	Mx	-.000187	5.5
21	MP3C	Z	-4.102	.5
22	MP3C	Mx	-.003	.5
23	MP3C	Z	-4.102	5.5
24	MP3C	Mx	-.003	5.5
25	MP5A	Z	-5.644	2
26	MP5A	Mx	0	2
27	MP5A	Z	-5.644	4
28	MP5A	Mx	0	4
29	MP5B	Z	-5.644	2
30	MP5B	Mx	.002	2
31	MP5B	Z	-5.644	4
32	MP5B	Mx	.002	4
33	MP5C	Z	-5.644	2
34	MP5C	Mx	-.002	2
35	MP5C	Z	-5.644	4
36	MP5C	Mx	-.002	4
37	MP4A	Z	-.927	.5
38	MP4A	Mx	8e-5	.5
39	MP4A	Z	-.927	3.5
40	MP4A	Mx	8e-5	3.5
41	MP4B	Z	-.927	.5
42	MP4B	Mx	.000355	.5
43	MP4B	Z	-.927	3.5
44	MP4B	Mx	.000355	3.5
45	MP4C	Z	-.927	.5
46	MP4C	Mx	-.000435	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP4C	Z	-.927	3.5
48	MP4C	Mx	-.000435	3.5
49	MP1A	Z	-.57	2
50	MP1A	Mx	0	2
51	MP1B	Z	-.57	2
52	MP1B	Mx	.000218	2
53	MP1C	Z	-.57	2
54	MP1C	Mx	-.000247	2
55	M50	Z	-1.348	2
56	M50	Mx	0	2
57	M41	Z	-9.111	1.5
58	M41	Mx	0	1.5
59	M188A	Z	-3.486	2
60	M188A	Mx	0	2
61	M51	Z	-1.348	2
62	M51	Mx	0	2
63	M200	Z	-1.348	2
64	M200	Mx	.00023	2
65	MP3A	Z	-10.938	.5
66	MP3A	Mx	0	.5
67	MP3B	Z	-10.938	.5
68	MP3B	Mx	-.004	.5
69	MP3C	Z	-10.938	.5
70	MP3C	Mx	.005	.5
71	M49	Z	-9.111	1.5
72	M49	Mx	0	1.5
73	M45	Z	-9.111	1.5
74	M45	Mx	0	1.5
75	M188A	Z	-3.486	2
76	M188A	Mx	0	2
77	MP3A	Z	-1.14	2
78	MP3A	Mx	-.000572	2
79	MP3A	Z	-1.14	3
80	MP3A	Mx	-.000572	3
81	MP3B	Z	-1.14	2
82	MP3B	Mx	-.000629	2
83	MP3B	Z	-1.14	3
84	MP3B	Mx	-.000629	3
85	MP3A	Z	-1.14	2
86	MP3A	Mx	.000176	2
87	MP3A	Z	-1.14	3
88	MP3A	Mx	.000176	3
89	MP3B	Z	-1.14	2
90	MP3B	Mx	-.001	2
91	MP3B	Z	-1.14	3
92	MP3B	Mx	-.001	3
93	M48	Z	-1.944	.25
94	M48	Mx	0	.25
95	M48	Z	-1.944	1.25
96	M48	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.102	.5
2	MP3A	Mx	-.002	.5
3	MP3A	X	4.102	5.5

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

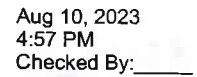
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	MP3A	Mx	- .002	5.5
5	MP3B	X	4.102	.5
6	MP3B	Mx	-.000776	.5
7	MP3B	X	4.102	5.5
8	MP3B	Mx	-.000776	5.5
9	MP3C	X	4.102	.5
10	MP3C	Mx	.003	.5
11	MP3C	X	4.102	5.5
12	MP3C	Mx	.003	5.5
13	MP3A	X	4.102	.5
14	MP3A	Mx	-.002	.5
15	MP3A	X	4.102	5.5
16	MP3A	Mx	-.002	5.5
17	MP3B	X	4.102	.5
18	MP3B	Mx	.003	.5
19	MP3B	X	4.102	5.5
20	MP3B	Mx	.003	5.5
21	MP3C	X	4.102	.5
22	MP3C	Mx	-.001	.5
23	MP3C	X	4.102	5.5
24	MP3C	Mx	-.001	5.5
25	MP5A	X	5.644	2
26	MP5A	Mx	-.003	2
27	MP5A	X	5.644	4
28	MP5A	Mx	-.003	4
29	MP5B	X	5.644	2
30	MP5B	Mx	.002	2
31	MP5B	X	5.644	4
32	MP5B	Mx	.002	4
33	MP5C	X	5.644	2
34	MP5C	Mx	.001	2
35	MP5C	X	5.644	4
36	MP5C	Mx	.001	4
37	MP4A	X	.927	.5
38	MP4A	Mx	-.000456	.5
39	MP4A	X	.927	3.5
40	MP4A	Mx	-.000456	3.5
41	MP4B	X	.927	.5
42	MP4B	Mx	.000298	.5
43	MP4B	X	.927	3.5
44	MP4B	Mx	.000298	3.5
45	MP4C	X	.927	.5
46	MP4C	Mx	.000158	.5
47	MP4C	X	.927	3.5
48	MP4C	Mx	.000158	3.5
49	MP1A	X	.57	2
50	MP1A	Mx	-.000285	2
51	MP1B	X	.57	2
52	MP1B	Mx	.000183	2
53	MP1C	X	.57	2
54	MP1C	Mx	.000143	2
55	M50	X	1.348	2
56	M50	Mx	0	2
57	M41	X	9.111	1.5
58	M41	Mx	0	1.5
59	M188A	X	3.486	2
60	M188A	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	M51	X	1.348	2
62	M51	Mx	0	2
63	M200	X	1.348	2
64	M200	Mx	.000633	2
65	MP3A	X	10.938	.5
66	MP3A	Mx	.005	.5
67	MP3B	X	10.938	.5
68	MP3B	Mx	-.004	.5
69	MP3C	X	10.938	.5
70	MP3C	Mx	-.003	.5
71	M49	X	9.111	1.5
72	M49	Mx	0	1.5
73	M45	X	9.111	1.5
74	M45	Mx	0	1.5
75	M188A	X	3.486	2
76	M188A	Mx	0	2
77	MP3A	X	1.14	2
78	MP3A	Mx	.001	2
79	MP3A	X	1.14	3
80	MP3A	Mx	.001	3
81	MP3B	X	1.14	2
82	MP3B	Mx	-.001	2
83	MP3B	X	1.14	3
84	MP3B	Mx	-.001	3
85	MP3A	X	1.14	2
86	MP3A	Mx	.001	2
87	MP3A	X	1.14	3
88	MP3A	Mx	.001	3
89	MP3B	X	1.14	2
90	MP3B	Mx	-.000442	2
91	MP3B	X	1.14	3
92	MP3B	Mx	-.000442	3
93	M48	X	1.944	.25
94	M48	Mx	0	.25
95	M48	X	1.944	1.25
96	M48	Mx	0	1.25

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	-9.495	-9.495	0	%100
2	M3	Y	-14.182	-14.182	0	%100
3	M4	Y	-9.495	-9.495	0	%100
4	M6	Y	-14.182	-14.182	0	%100
5	M7	Y	-9.495	-9.495	0	%100
6	M9	Y	-14.182	-14.182	0	%100
7	M10	Y	-9.057	-9.057	0	%100
8	M11	Y	-9.057	-9.057	0	%100
9	M12	Y	-9.057	-9.057	0	%100
10	MP5B	Y	-4.912	-4.912	0	%100
11	MP5A	Y	-4.912	-4.912	0	%100
12	MP5C	Y	-4.912	-4.912	0	%100
13	M16	Y	-5.799	-5.799	0	%100
14	M18	Y	-5.799	-5.799	0	%100
15	M19	Y	-5.799	-5.799	0	%100
16	M20	Y	-5.799	-5.799	0	%100





Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

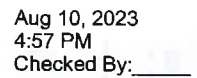
Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
74	M116	Y	-2.294	-2.294	0	%100
75	M121	Y	-2.294	-2.294	0	%100
76	M122	Y	-2.294	-2.294	0	%100
77	M127	Y	-2.294	-2.294	0	%100
78	M128	Y	-2.294	-2.294	0	%100
79	M133	Y	-2.294	-2.294	0	%100
80	M134	Y	-2.294	-2.294	0	%100
81	M139	Y	-2.294	-2.294	0	%100
82	M140	Y	-2.294	-2.294	0	%100
83	M145	Y	-2.294	-2.294	0	%100
84	M146	Y	-2.294	-2.294	0	%100
85	M151	Y	-2.294	-2.294	0	%100
86	M152	Y	-2.294	-2.294	0	%100
87	M157	Y	-2.294	-2.294	0	%100
88	M158	Y	-2.294	-2.294	0	%100
89	M163	Y	-2.294	-2.294	0	%100
90	M164	Y	-2.294	-2.294	0	%100
91	MP2A	Y	-4.912	-4.912	0	%100
92	MP1A	Y	-4.912	-4.912	0	%100
93	MP4A	Y	-4.912	-4.912	0	%100
94	MP2C	Y	-4.912	-4.912	0	%100
95	MP1C	Y	-4.912	-4.912	0	%100
96	MP4C	Y	-4.912	-4.912	0	%100
97	MP2B	Y	-4.912	-4.912	0	%100
98	MP1B	Y	-4.912	-4.912	0	%100
99	MP4B	Y	-4.912	-4.912	0	%100
100	MP3A	Y	-4.912	-4.912	0	%100
101	MP3C	Y	-4.912	-4.912	0	%100
102	MP3B	Y	-4.912	-4.912	0	%100
103	M185A	Y	-5.817	-5.817	0	%100
104	M186	Y	-5.817	-5.817	0	%100
105	M187	Y	-5.817	-5.817	0	%100
106	M188	Y	-5.817	-5.817	0	%100
107	M188A	Y	-4.912	-4.912	0	%100
108	M189	Y	-5.817	-5.817	0	%100
109	M190	Y	-5.817	-5.817	0	%100
110	M197	Y	-5.61	-5.61	0	%100
111	M196	Y	-5.61	-5.61	0	%100
112	M201A	Y	-5.61	-5.61	0	%100
113	M212	Y	-6.533	-6.533	0	%100
114	M213	Y	-6.533	-6.533	0	%100
115	M214	Y	-6.533	-6.533	0	%100
116	M215	Y	-6.533	-6.533	0	%100
117	M216	Y	-6.533	-6.533	0	%100
118	M217	Y	-6.533	-6.533	0	%100

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	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-1.618	-1.618	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-10.008	-10.008	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-404	-404	0	%100



RISA-3D Version 17.0.4 [\\...\\Rev. 01\\RISA\\5000386107-VZW MT_LO H.r3d] Page 125

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.%]
66	M37	Z	-2.426	-2.426	0	%100
67	M38	X	0	0	0	%100
68	M38	Z	-2.426	-2.426	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	-2.426	-2.426	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	-2.426	-2.426	0	%100
73	M41	X	0	0	0	%100
74	M41	Z	-6.942	-6.942	0	%100
75	M201	X	0	0	0	%100
76	M201	Z	-6.942	-6.942	0	%100
77	M50	X	0	0	0	%100
78	M50	Z	-6.942	-6.942	0	%100
79	M44	X	0	0	0	%100
80	M44	Z	-6.942	-6.942	0	%100
81	M45	X	0	0	0	%100
82	M45	Z	-6.942	-6.942	0	%100
83	M203	X	0	0	0	%100
84	M203	Z	-6.942	-6.942	0	%100
85	M200	X	0	0	0	%100
86	M200	Z	-6.942	-6.942	0	%100
87	M48	X	0	0	0	%100
88	M48	Z	-6.942	-6.942	0	%100
89	M49	X	0	0	0	%100
90	M49	Z	-6.942	-6.942	0	%100
91	M202	X	0	0	0	%100
92	M202	Z	-6.942	-6.942	0	%100
93	M51	X	0	0	0	%100
94	M51	Z	-6.942	-6.942	0	%100
95	M52	X	0	0	0	%100
96	M52	Z	-6.942	-6.942	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	-23.293	-23.293	0	%100
99	M54	X	0	0	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	0	0	0	%100
102	M55	Z	0	0	0	%100
103	M56	X	0	0	0	%100
104	M56	Z	-10.784	-10.784	0	%100
105	M57	X	0	0	0	%100
106	M57	Z	-2.696	-2.696	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	-10.784	-10.784	0	%100
109	M61	X	0	0	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	0	0	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	0	0	0	%100
114	M67	Z	0	0	0	%100
115	M68	X	0	0	0	%100
116	M68	Z	0	0	0	%100
117	M73	X	0	0	0	%100
118	M73	Z	0	0	0	%100
119	M74	X	0	0	0	%100
120	M74	Z	0	0	0	%100
121	M79	X	0	0	0	%100
122	M79	Z	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.%]
123	M80	X	0	0	0	%100
124	M80	Z	0	0	0	%100
125	M85	X	0	0	0	%100
126	M85	Z	0	0	0	%100
127	M86	X	0	0	0	%100
128	M86	Z	0	0	0	%100
129	M91	X	0	0	0	%100
130	M91	Z	0	0	0	%100
131	M92	X	0	0	0	%100
132	M92	Z	0	0	0	%100
133	M97	X	0	0	0	%100
134	M97	Z	-921	-921	0	%100
135	M98	X	0	0	0	%100
136	M98	Z	-921	-921	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	-921	-921	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	-921	-921	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	-921	-921	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	-921	-921	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	-921	-921	0	%100
147	M116	X	0	0	0	%100
148	M116	Z	-921	-921	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	-921	-921	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	-921	-921	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	-921	-921	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	-921	-921	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	-921	-921	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	-921	-921	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	-921	-921	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	-921	-921	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	-921	-921	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	-921	-921	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	-921	-921	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	-921	-921	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	-921	-921	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	-921	-921	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	-921	-921	0	%100
179	M164	X	0	0	0	%100

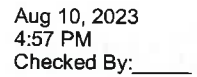


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

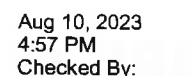
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
180	M164	Z	- .921	- .921	0	%100
181	MP2A	X	0	0	0	%100
182	MP2A	Z	-7.683	-7.683	0	%100
183	MP1A	X	0	0	0	%100
184	MP1A	Z	-7.683	-7.683	0	%100
185	MP4A	X	0	0	0	%100
186	MP4A	Z	-7.683	-7.683	0	%100
187	MP2C	X	0	0	0	%100
188	MP2C	Z	-7.683	-7.683	0	%100
189	MP1C	X	0	0	0	%100
190	MP1C	Z	-7.683	-7.683	0	%100
191	MP4C	X	0	0	0	%100
192	MP4C	Z	-7.683	-7.683	0	%100
193	MP2B	X	0	0	0	%100
194	MP2B	Z	-7.683	-7.683	0	%100
195	MP1B	X	0	0	0	%100
196	MP1B	Z	-7.683	-7.683	0	%100
197	MP4B	X	0	0	0	%100
198	MP4B	Z	-7.683	-7.683	0	%100
199	MP3A	X	0	0	0	%100
200	MP3A	Z	-7.683	-7.683	0	%100
201	MP3C	X	0	0	0	%100
202	MP3C	Z	-7.683	-7.683	0	%100
203	MP3B	X	0	0	0	%100
204	MP3B	Z	-7.683	-7.683	0	%100
205	M185A	X	0	0	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	0	0	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	-9.705	-9.705	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	-9.705	-9.705	0	%100
213	M188A	X	0	0	0	%100
214	M188A	Z	-7.002	-7.002	0	%100
215	M189	X	0	0	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	0	0	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	-9.301	-9.301	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	-2.325	-2.325	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	-2.325	-2.325	0	%100
225	M212	X	0	0	0	%100
226	M212	Z	-7.252	-7.252	0	%100
227	M213	X	0	0	0	%100
228	M213	Z	-7.252	-7.252	0	%100
229	M214	X	0	0	0	%100
230	M214	Z	-10.324	-10.324	0	%100
231	M215	X	0	0	0	%100
232	M215	Z	-10.324	-10.324	0	%100
233	M216	X	0	0	0	%100
234	M216	Z	-10.324	-10.324	0	%100
235	M217	X	0	0	0	%100
236	M217	Z	-10.324	-10.324	0	%100



RISA-3D Version 17.0.4 [.....\Rev. 0\RISA\5000386107-VZW MT LO H.r3d] Page 129

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.%]
58	M33	Z	-10.506	-10.506	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	3.639	3.639	0	%100
62	M35	Z	-6.304	-6.304	0	%100
63	M36	X	3.639	3.639	0	%100
64	M36	Z	-6.304	-6.304	0	%100
65	M37	X	3.639	3.639	0	%100
66	M37	Z	-6.304	-6.304	0	%100
67	M38	X	3.639	3.639	0	%100
68	M38	Z	-6.304	-6.304	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	3.471	3.471	0	%100
74	M41	Z	-6.012	-6.012	0	%100
75	M201	X	3.471	3.471	0	%100
76	M201	Z	-6.012	-6.012	0	%100
77	M50	X	3.471	3.471	0	%100
78	M50	Z	-6.012	-6.012	0	%100
79	M44	X	3.471	3.471	0	%100
80	M44	Z	-6.012	-6.012	0	%100
81	M45	X	3.471	3.471	0	%100
82	M45	Z	-6.012	-6.012	0	%100
83	M203	X	3.471	3.471	0	%100
84	M203	Z	-6.012	-6.012	0	%100
85	M200	X	3.471	3.471	0	%100
86	M200	Z	-6.012	-6.012	0	%100
87	M48	X	3.471	3.471	0	%100
88	M48	Z	-6.012	-6.012	0	%100
89	M49	X	3.471	3.471	0	%100
90	M49	Z	-6.012	-6.012	0	%100
91	M202	X	3.471	3.471	0	%100
92	M202	Z	-6.012	-6.012	0	%100
93	M51	X	3.471	3.471	0	%100
94	M51	Z	-6.012	-6.012	0	%100
95	M52	X	3.471	3.471	0	%100
96	M52	Z	-6.012	-6.012	0	%100
97	M53	X	8.735	8.735	0	%100
98	M53	Z	-15.129	-15.129	0	%100
99	M54	X	1.692	1.692	0	%100
100	M54	Z	-2.93	-2.93	0	%100
101	M55	X	1.692	1.692	0	%100
102	M55	Z	-2.93	-2.93	0	%100
103	M56	X	2.696	2.696	0	%100
104	M56	Z	-4.67	-4.67	0	%100
105	M57	X	2.696	2.696	0	%100
106	M57	Z	-4.67	-4.67	0	%100
107	M58	X	6.74	6.74	0	%100
108	M58	Z	-11.674	-11.674	0	%100
109	M61	X	.154	.154	0	%100
110	M61	Z	-.266	-.266	0	%100
111	M62	X	.154	.154	0	%100
112	M62	Z	-.266	-.266	0	%100
113	M67	X	.154	.154	0	%100
114	M67	Z	-.266	-.266	0	%100



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

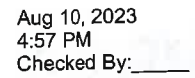
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
172	M152	Z	-1.064	-1.064	0	%100
173	M157	X	.614	.614	0	%100
174	M157	Z	-1.064	-1.064	0	%100
175	M158	X	.614	.614	0	%100
176	M158	Z	-1.064	-1.064	0	%100
177	M163	X	.614	.614	0	%100
178	M163	Z	-1.064	-1.064	0	%100
179	M164	X	.614	.614	0	%100
180	M164	Z	-1.064	-1.064	0	%100
181	MP2A	X	3.842	3.842	0	%100
182	MP2A	Z	-6.654	-6.654	0	%100
183	MP1A	X	3.842	3.842	0	%100
184	MP1A	Z	-6.654	-6.654	0	%100
185	MP4A	X	3.842	3.842	0	%100
186	MP4A	Z	-6.654	-6.654	0	%100
187	MP2C	X	3.842	3.842	0	%100
188	MP2C	Z	-6.654	-6.654	0	%100
189	MP1C	X	3.842	3.842	0	%100
190	MP1C	Z	-6.654	-6.654	0	%100
191	MP4C	X	3.842	3.842	0	%100
192	MP4C	Z	-6.654	-6.654	0	%100
193	MP2B	X	3.842	3.842	0	%100
194	MP2B	Z	-6.654	-6.654	0	%100
195	MP1B	X	3.842	3.842	0	%100
196	MP1B	Z	-6.654	-6.654	0	%100
197	MP4B	X	3.842	3.842	0	%100
198	MP4B	Z	-6.654	-6.654	0	%100
199	MP3A	X	3.842	3.842	0	%100
200	MP3A	Z	-6.654	-6.654	0	%100
201	MP3C	X	3.842	3.842	0	%100
202	MP3C	Z	-6.654	-6.654	0	%100
203	MP3B	X	3.842	3.842	0	%100
204	MP3B	Z	-6.654	-6.654	0	%100
205	M185A	X	1.213	1.213	0	%100
206	M185A	Z	-2.101	-2.101	0	%100
207	M186	X	1.213	1.213	0	%100
208	M186	Z	-2.101	-2.101	0	%100
209	M187	X	3.639	3.639	0	%100
210	M187	Z	-6.304	-6.304	0	%100
211	M188	X	3.639	3.639	0	%100
212	M188	Z	-6.304	-6.304	0	%100
213	M188A	X	3.501	3.501	0	%100
214	M188A	Z	-6.064	-6.064	0	%100
215	M189	X	1.213	1.213	0	%100
216	M189	Z	-2.101	-2.101	0	%100
217	M190	X	1.213	1.213	0	%100
218	M190	Z	-2.101	-2.101	0	%100
219	M197	X	3.488	3.488	0	%100
220	M197	Z	-6.041	-6.041	0	%100
221	M196	X	3.488	3.488	0	%100
222	M196	Z	-6.041	-6.041	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	4.138	4.138	0	%100
226	M212	Z	-7.167	-7.167	0	%100
227	M213	X	4.138	4.138	0	%100
228	M213	Z	-7.167	-7.167	0	%100

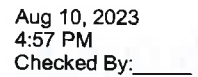
Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
229	M214	X	4.138	4.138	0	%100
230	M214	Z	-7.167	-7.167	0	%100
231	M215	X	4.138	4.138	0	%100
232	M215	Z	-7.167	-7.167	0	%100
233	M216	X	5.674	5.674	0	%100
234	M216	Z	-9.827	-9.827	0	%100
235	M217	X	5.674	5.674	0	%100
236	M217	Z	-9.827	-9.827	0	%100

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	8.668	8.668	0	%100
2	M1	Z	-5.004	-5.004	0	%100
3	M3	X	.35	.35	0	%100
4	M3	Z	-.202	-.202	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	1.401	1.401	0	%100
8	M6	Z	-.809	-.809	0	%100
9	M7	X	8.668	8.668	0	%100
10	M7	Z	-5.004	-5.004	0	%100
11	M9	X	.35	.35	0	%100
12	M9	Z	-.202	-.202	0	%100
13	M10	X	5.837	5.837	0	%100
14	M10	Z	-3.37	-3.37	0	%100
15	M11	X	23.347	23.347	0	%100
16	M11	Z	-13.479	-13.479	0	%100
17	M12	X	5.837	5.837	0	%100
18	M12	Z	-3.37	-3.37	0	%100
19	MP5B	X	6.634	6.634	0	%100
20	MP5B	Z	-3.83	-3.83	0	%100
21	MP5A	X	6.634	6.634	0	%100
22	MP5A	Z	-3.83	-3.83	0	%100
23	MP5C	X	6.634	6.634	0	%100
24	MP5C	Z	-3.83	-3.83	0	%100
25	M16	X	2.101	2.101	0	%100
26	M16	Z	-1.213	-1.213	0	%100
27	M18	X	2.101	2.101	0	%100
28	M18	Z	-1.213	-1.213	0	%100
29	M19	X	8.405	8.405	0	%100
30	M19	Z	-4.853	-4.853	0	%100
31	M20	X	8.405	8.405	0	%100
32	M20	Z	-4.853	-4.853	0	%100
33	M21	X	2.101	2.101	0	%100
34	M21	Z	-1.213	-1.213	0	%100
35	M22	X	2.101	2.101	0	%100
36	M22	Z	-1.213	-1.213	0	%100
37	M23	X	3.502	3.502	0	%100
38	M23	Z	-2.022	-2.022	0	%100
39	M24	X	14.008	14.008	0	%100
40	M24	Z	-8.088	-8.088	0	%100
41	M25	X	3.502	3.502	0	%100
42	M25	Z	-2.022	-2.022	0	%100
43	M26	X	2.101	2.101	0	%100
44	M26	Z	-1.213	-1.213	0	%100
45	M27	X	2.101	2.101	0	%100





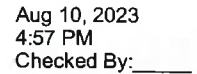


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
160	M134	Z	-.461	-.461	0	%100
161	M139	X	.798	.798	0	%100
162	M139	Z	-.461	-.461	0	%100
163	M140	X	.798	.798	0	%100
164	M140	Z	-.461	-.461	0	%100
165	M145	X	.798	.798	0	%100
166	M145	Z	-.461	-.461	0	%100
167	M146	X	.798	.798	0	%100
168	M146	Z	-.461	-.461	0	%100
169	M151	X	.798	.798	0	%100
170	M151	Z	-.461	-.461	0	%100
171	M152	X	.798	.798	0	%100
172	M152	Z	-.461	-.461	0	%100
173	M157	X	.798	.798	0	%100
174	M157	Z	-.461	-.461	0	%100
175	M158	X	.798	.798	0	%100
176	M158	Z	-.461	-.461	0	%100
177	M163	X	.798	.798	0	%100
178	M163	Z	-.461	-.461	0	%100
179	M164	X	.798	.798	0	%100
180	M164	Z	-.461	-.461	0	%100
181	MP2A	X	6.654	6.654	0	%100
182	MP2A	Z	-3.842	-3.842	0	%100
183	MP1A	X	6.654	6.654	0	%100
184	MP1A	Z	-3.842	-3.842	0	%100
185	MP4A	X	6.654	6.654	0	%100
186	MP4A	Z	-3.842	-3.842	0	%100
187	MP2C	X	6.654	6.654	0	%100
188	MP2C	Z	-3.842	-3.842	0	%100
189	MP1C	X	6.654	6.654	0	%100
190	MP1C	Z	-3.842	-3.842	0	%100
191	MP4C	X	6.654	6.654	0	%100
192	MP4C	Z	-3.842	-3.842	0	%100
193	MP2B	X	6.654	6.654	0	%100
194	MP2B	Z	-3.842	-3.842	0	%100
195	MP1B	X	6.654	6.654	0	%100
196	MP1B	Z	-3.842	-3.842	0	%100
197	MP4B	X	6.654	6.654	0	%100
198	MP4B	Z	-3.842	-3.842	0	%100
199	MP3A	X	6.654	6.654	0	%100
200	MP3A	Z	-3.842	-3.842	0	%100
201	MP3C	X	6.654	6.654	0	%100
202	MP3C	Z	-3.842	-3.842	0	%100
203	MP3B	X	6.654	6.654	0	%100
204	MP3B	Z	-3.842	-3.842	0	%100
205	M185A	X	6.304	6.304	0	%100
206	M185A	Z	-3.639	-3.639	0	%100
207	M186	X	6.304	6.304	0	%100
208	M186	Z	-3.639	-3.639	0	%100
209	M187	X	2.101	2.101	0	%100
210	M187	Z	-1.213	-1.213	0	%100
211	M188	X	2.101	2.101	0	%100
212	M188	Z	-1.213	-1.213	0	%100
213	M188A	X	6.064	6.064	0	%100
214	M188A	Z	-3.501	-3.501	0	%100
215	M189	X	6.304	6.304	0	%100
216	M189	Z	-3.639	-3.639	0	%100



RISA-3D Version 17.0.4 [\\...\\...\\...\\Rev. 0\\RISA\\5000386107-VZW_MT_LO_H.r3d] Page 137

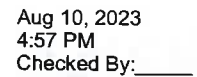


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 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.%]
34	M21	Z	0	0	0	%100
35	M22	X	7.279	7.279	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	12.131	12.131	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	12.131	12.131	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	7.279	7.279	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	7.279	7.279	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	7.279	7.279	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	7.279	7.279	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	12.131	12.131	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	12.131	12.131	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	0	0	0	%100
65	M37	X	7.279	7.279	0	%100
66	M37	Z	0	0	0	%100
67	M38	X	7.279	7.279	0	%100
68	M38	Z	0	0	0	%100
69	M39	X	7.279	7.279	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	7.279	7.279	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	6.942	6.942	0	%100
74	M41	Z	0	0	0	%100
75	M201	X	6.942	6.942	0	%100
76	M201	Z	0	0	0	%100
77	M50	X	6.942	6.942	0	%100
78	M50	Z	0	0	0	%100
79	M44	X	6.942	6.942	0	%100
80	M44	Z	0	0	0	%100
81	M45	X	6.942	6.942	0	%100
82	M45	Z	0	0	0	%100
83	M203	X	6.942	6.942	0	%100
84	M203	Z	0	0	0	%100
85	M200	X	6.942	6.942	0	%100
86	M200	Z	0	0	0	%100
87	M48	X	6.942	6.942	0	%100
88	M48	Z	0	0	0	%100
89	M49	X	6.942	6.942	0	%100
90	M49	Z	0	0	0	%100



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

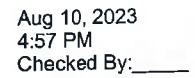
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
148	M116	Z	0	0	0	%100
149	M121	X	.307	.307	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	.307	.307	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	.307	.307	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	.307	.307	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	.307	.307	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	.307	.307	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	.307	.307	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	.307	.307	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	.307	.307	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	.307	.307	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	.307	.307	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	.307	.307	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	.307	.307	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	.307	.307	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	.307	.307	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	.307	.307	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	7.683	7.683	0	%100
182	MP2A	Z	0	0	0	%100
183	MP1A	X	7.683	7.683	0	%100
184	MP1A	Z	0	0	0	%100
185	MP4A	X	7.683	7.683	0	%100
186	MP4A	Z	0	0	0	%100
187	MP2C	X	7.683	7.683	0	%100
188	MP2C	Z	0	0	0	%100
189	MP1C	X	7.683	7.683	0	%100
190	MP1C	Z	0	0	0	%100
191	MP4C	X	7.683	7.683	0	%100
192	MP4C	Z	0	0	0	%100
193	MP2B	X	7.683	7.683	0	%100
194	MP2B	Z	0	0	0	%100
195	MP1B	X	7.683	7.683	0	%100
196	MP1B	Z	0	0	0	%100
197	MP4B	X	7.683	7.683	0	%100
198	MP4B	Z	0	0	0	%100
199	MP3A	X	7.683	7.683	0	%100
200	MP3A	Z	0	0	0	%100
201	MP3C	X	7.683	7.683	0	%100
202	MP3C	Z	0	0	0	%100
203	MP3B	X	7.683	7.683	0	%100
204	MP3B	Z	0	0	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.%]
205	M185A	X	9.705	9.705	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	9.705	9.705	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	0	0	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	0	0	0	%100
213	M188A	X	7.002	7.002	0	%100
214	M188A	Z	0	0	0	%100
215	M189	X	9.705	9.705	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	9.705	9.705	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	0	0	0	%100
221	M196	X	6.976	6.976	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	6.976	6.976	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	11.348	11.348	0	%100
226	M212	Z	0	0	0	%100
227	M213	X	11.348	11.348	0	%100
228	M213	Z	0	0	0	%100
229	M214	X	8.276	8.276	0	%100
230	M214	Z	0	0	0	%100
231	M215	X	8.276	8.276	0	%100
232	M215	Z	0	0	0	%100
233	M216	X	8.276	8.276	0	%100
234	M216	Z	0	0	0	%100
235	M217	X	8.276	8.276	0	%100
236	M217	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	8.668	8.668	0	%100
2	M1	Z	5.004	5.004	0	%100
3	M3	X	.35	.35	0	%100
4	M3	Z	.202	.202	0	%100
5	M4	X	8.668	8.668	0	%100
6	M4	Z	5.004	5.004	0	%100
7	M6	X	.35	.35	0	%100
8	M6	Z	.202	.202	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M9	X	1.401	1.401	0	%100
12	M9	Z	.809	.809	0	%100
13	M10	X	5.837	5.837	0	%100
14	M10	Z	3.37	3.37	0	%100
15	M11	X	5.837	5.837	0	%100
16	M11	Z	3.37	3.37	0	%100
17	M12	X	23.347	23.347	0	%100
18	M12	Z	13.479	13.479	0	%100
19	MP5B	X	6.634	6.634	0	%100
20	MP5B	Z	3.83	3.83	0	%100
21	MP5A	X	6.634	6.634	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.%]
79	M44	X	6.012	6.012	0	%100
80	M44	Z	3.471	3.471	0	%100
81	M45	X	6.012	6.012	0	%100
82	M45	Z	3.471	3.471	0	%100
83	M203	X	6.012	6.012	0	%100
84	M203	Z	3.471	3.471	0	%100
85	M200	X	6.012	6.012	0	%100
86	M200	Z	3.471	3.471	0	%100
87	M48	X	6.012	6.012	0	%100
88	M48	Z	3.471	3.471	0	%100
89	M49	X	6.012	6.012	0	%100
90	M49	Z	3.471	3.471	0	%100
91	M202	X	6.012	6.012	0	%100
92	M202	Z	3.471	3.471	0	%100
93	M51	X	6.012	6.012	0	%100
94	M51	Z	3.471	3.471	0	%100
95	M52	X	6.012	6.012	0	%100
96	M52	Z	3.471	3.471	0	%100
97	M53	X	5.043	5.043	0	%100
98	M53	Z	2.912	2.912	0	%100
99	M54	X	8.791	8.791	0	%100
100	M54	Z	5.075	5.075	0	%100
101	M55	X	8.791	8.791	0	%100
102	M55	Z	5.075	5.075	0	%100
103	M56	X	9.339	9.339	0	%100
104	M56	Z	5.392	5.392	0	%100
105	M57	X	9.339	9.339	0	%100
106	M57	Z	5.392	5.392	0	%100
107	M58	X	2.335	2.335	0	%100
108	M58	Z	1.348	1.348	0	%100
109	M61	X	.798	.798	0	%100
110	M61	Z	.461	.461	0	%100
111	M62	X	.798	.798	0	%100
112	M62	Z	.461	.461	0	%100
113	M67	X	.798	.798	0	%100
114	M67	Z	.461	.461	0	%100
115	M68	X	.798	.798	0	%100
116	M68	Z	.461	.461	0	%100
117	M73	X	.798	.798	0	%100
118	M73	Z	.461	.461	0	%100
119	M74	X	.798	.798	0	%100
120	M74	Z	.461	.461	0	%100
121	M79	X	.798	.798	0	%100
122	M79	Z	.461	.461	0	%100
123	M80	X	.798	.798	0	%100
124	M80	Z	.461	.461	0	%100
125	M85	X	.798	.798	0	%100
126	M85	Z	.461	.461	0	%100
127	M86	X	.798	.798	0	%100
128	M86	Z	.461	.461	0	%100
129	M91	X	.798	.798	0	%100
130	M91	Z	.461	.461	0	%100
131	M92	X	.798	.798	0	%100
132	M92	Z	.461	.461	0	%100
133	M97	X	.798	.798	0	%100
134	M97	Z	.461	.461	0	%100
135	M98	X	.798	.798	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 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.%]
136	M98	Z	.461	.461	0	%100
137	M103	X	.798	.798	0	%100
138	M103	Z	.461	.461	0	%100
139	M104	X	.798	.798	0	%100
140	M104	Z	.461	.461	0	%100
141	M109	X	.798	.798	0	%100
142	M109	Z	.461	.461	0	%100
143	M110	X	.798	.798	0	%100
144	M110	Z	.461	.461	0	%100
145	M115	X	.798	.798	0	%100
146	M115	Z	.461	.461	0	%100
147	M116	X	.798	.798	0	%100
148	M116	Z	.461	.461	0	%100
149	M121	X	.798	.798	0	%100
150	M121	Z	.461	.461	0	%100
151	M122	X	.798	.798	0	%100
152	M122	Z	.461	.461	0	%100
153	M127	X	.798	.798	0	%100
154	M127	Z	.461	.461	0	%100
155	M128	X	.798	.798	0	%100
156	M128	Z	.461	.461	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	6.654	6.654	0	%100
182	MP2A	Z	3.842	3.842	0	%100
183	MP1A	X	6.654	6.654	0	%100
184	MP1A	Z	3.842	3.842	0	%100
185	MP4A	X	6.654	6.654	0	%100
186	MP4A	Z	3.842	3.842	0	%100
187	MP2C	X	6.654	6.654	0	%100
188	MP2C	Z	3.842	3.842	0	%100
189	MP1C	X	6.654	6.654	0	%100
190	MP1C	Z	3.842	3.842	0	%100
191	MP4C	X	6.654	6.654	0	%100
192	MP4C	Z	3.842	3.842	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.%]
193	MP2B	X	6.654	6.654	0	%100
194	MP2B	Z	3.842	3.842	0	%100
195	MP1B	X	6.654	6.654	0	%100
196	MP1B	Z	3.842	3.842	0	%100
197	MP4B	X	6.654	6.654	0	%100
198	MP4B	Z	3.842	3.842	0	%100
199	MP3A	X	6.654	6.654	0	%100
200	MP3A	Z	3.842	3.842	0	%100
201	MP3C	X	6.654	6.654	0	%100
202	MP3C	Z	3.842	3.842	0	%100
203	MP3B	X	6.654	6.654	0	%100
204	MP3B	Z	3.842	3.842	0	%100
205	M185A	X	6.304	6.304	0	%100
206	M185A	Z	3.639	3.639	0	%100
207	M186	X	6.304	6.304	0	%100
208	M186	Z	3.639	3.639	0	%100
209	M187	X	2.101	2.101	0	%100
210	M187	Z	1.213	1.213	0	%100
211	M188	X	2.101	2.101	0	%100
212	M188	Z	1.213	1.213	0	%100
213	M188A	X	6.064	6.064	0	%100
214	M188A	Z	3.501	3.501	0	%100
215	M189	X	6.304	6.304	0	%100
216	M189	Z	3.639	3.639	0	%100
217	M190	X	6.304	6.304	0	%100
218	M190	Z	3.639	3.639	0	%100
219	M197	X	2.014	2.014	0	%100
220	M197	Z	1.163	1.163	0	%100
221	M196	X	2.014	2.014	0	%100
222	M196	Z	1.163	1.163	0	%100
223	M201A	X	8.055	8.055	0	%100
224	M201A	Z	4.65	4.65	0	%100
225	M212	X	8.941	8.941	0	%100
226	M212	Z	5.162	5.162	0	%100
227	M213	X	8.941	8.941	0	%100
228	M213	Z	5.162	5.162	0	%100
229	M214	X	8.941	8.941	0	%100
230	M214	Z	5.162	5.162	0	%100
231	M215	X	8.941	8.941	0	%100
232	M215	Z	5.162	5.162	0	%100
233	M216	X	6.28	6.28	0	%100
234	M216	Z	3.626	3.626	0	%100
235	M217	X	6.28	6.28	0	%100
236	M217	Z	3.626	3.626	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	1.668	1.668	0	%100
2	M1	Z	2.889	2.889	0	%100
3	M3	X	.607	.607	0	%100
4	M3	Z	1.051	1.051	0	%100
5	M4	X	6.672	6.672	0	%100
6	M4	Z	11.557	11.557	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	1.668	1.668	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
10	M7	Z	2.889	2.889	0	%100
11	M9	X	.607	.607	0	%100
12	M9	Z	1.051	1.051	0	%100
13	M10	X	10.11	10.11	0	%100
14	M10	Z	17.51	17.51	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	10.11	10.11	0	%100
18	M12	Z	17.51	17.51	0	%100
19	MP5B	X	3.83	3.83	0	%100
20	MP5B	Z	6.634	6.634	0	%100
21	MP5A	X	3.83	3.83	0	%100
22	MP5A	Z	6.634	6.634	0	%100
23	MP5C	X	3.83	3.83	0	%100
24	MP5C	Z	6.634	6.634	0	%100
25	M16	X	3.639	3.639	0	%100
26	M16	Z	6.304	6.304	0	%100
27	M18	X	3.639	3.639	0	%100
28	M18	Z	6.304	6.304	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	3.639	3.639	0	%100
34	M21	Z	6.304	6.304	0	%100
35	M22	X	3.639	3.639	0	%100
36	M22	Z	6.304	6.304	0	%100
37	M23	X	6.066	6.066	0	%100
38	M23	Z	10.506	10.506	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	6.066	6.066	0	%100
42	M25	Z	10.506	10.506	0	%100
43	M26	X	3.639	3.639	0	%100
44	M26	Z	6.304	6.304	0	%100
45	M27	X	3.639	3.639	0	%100
46	M27	Z	6.304	6.304	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	3.639	3.639	0	%100
52	M30	Z	6.304	6.304	0	%100
53	M31	X	3.639	3.639	0	%100
54	M31	Z	6.304	6.304	0	%100
55	M32	X	6.066	6.066	0	%100
56	M32	Z	10.506	10.506	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	6.066	6.066	0	%100
60	M34	Z	10.506	10.506	0	%100
61	M35	X	3.639	3.639	0	%100
62	M35	Z	6.304	6.304	0	%100
63	M36	X	3.639	3.639	0	%100
64	M36	Z	6.304	6.304	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	0	0	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.%]
67	M38	X	0	0	0	%100
68	M38	Z	0	0	0	%100
69	M39	X	3.639	3.639	0	%100
70	M39	Z	6.304	6.304	0	%100
71	M40	X	3.639	3.639	0	%100
72	M40	Z	6.304	6.304	0	%100
73	M41	X	3.471	3.471	0	%100
74	M41	Z	6.012	6.012	0	%100
75	M201	X	3.471	3.471	0	%100
76	M201	Z	6.012	6.012	0	%100
77	M50	X	3.471	3.471	0	%100
78	M50	Z	6.012	6.012	0	%100
79	M44	X	3.471	3.471	0	%100
80	M44	Z	6.012	6.012	0	%100
81	M45	X	3.471	3.471	0	%100
82	M45	Z	6.012	6.012	0	%100
83	M203	X	3.471	3.471	0	%100
84	M203	Z	6.012	6.012	0	%100
85	M200	X	3.471	3.471	0	%100
86	M200	Z	6.012	6.012	0	%100
87	M48	X	3.471	3.471	0	%100
88	M48	Z	6.012	6.012	0	%100
89	M49	X	3.471	3.471	0	%100
90	M49	Z	6.012	6.012	0	%100
91	M202	X	3.471	3.471	0	%100
92	M202	Z	6.012	6.012	0	%100
93	M51	X	3.471	3.471	0	%100
94	M51	Z	6.012	6.012	0	%100
95	M52	X	3.471	3.471	0	%100
96	M52	Z	6.012	6.012	0	%100
97	M53	X	8.735	8.735	0	%100
98	M53	Z	15.129	15.129	0	%100
99	M54	X	1.692	1.692	0	%100
100	M54	Z	2.93	2.93	0	%100
101	M55	X	1.692	1.692	0	%100
102	M55	Z	2.93	2.93	0	%100
103	M56	X	6.74	6.74	0	%100
104	M56	Z	11.674	11.674	0	%100
105	M57	X	2.696	2.696	0	%100
106	M57	Z	4.67	4.67	0	%100
107	M58	X	2.696	2.696	0	%100
108	M58	Z	4.67	4.67	0	%100
109	M61	X	.154	.154	0	%100
110	M61	Z	.266	.266	0	%100
111	M62	X	.154	.154	0	%100
112	M62	Z	.266	.266	0	%100
113	M67	X	.154	.154	0	%100
114	M67	Z	.266	.266	0	%100
115	M68	X	.154	.154	0	%100
116	M68	Z	.266	.266	0	%100
117	M73	X	.154	.154	0	%100
118	M73	Z	.266	.266	0	%100
119	M74	X	.154	.154	0	%100
120	M74	Z	.266	.266	0	%100
121	M79	X	.154	.154	0	%100
122	M79	Z	.266	.266	0	%100
123	M80	X	.154	.154	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
124	M80	Z	.266	.266	0	%100
125	M85	X	.154	.154	0	%100
126	M85	Z	.266	.266	0	%100
127	M86	X	.154	.154	0	%100
128	M86	Z	.266	.266	0	%100
129	M91	X	.154	.154	0	%100
130	M91	Z	.266	.266	0	%100
131	M92	X	.154	.154	0	%100
132	M92	Z	.266	.266	0	%100
133	M97	X	.614	.614	0	%100
134	M97	Z	1.064	1.064	0	%100
135	M98	X	.614	.614	0	%100
136	M98	Z	1.064	1.064	0	%100
137	M103	X	.614	.614	0	%100
138	M103	Z	1.064	1.064	0	%100
139	M104	X	.614	.614	0	%100
140	M104	Z	1.064	1.064	0	%100
141	M109	X	.614	.614	0	%100
142	M109	Z	1.064	1.064	0	%100
143	M110	X	.614	.614	0	%100
144	M110	Z	1.064	1.064	0	%100
145	M115	X	.614	.614	0	%100
146	M115	Z	1.064	1.064	0	%100
147	M116	X	.614	.614	0	%100
148	M116	Z	1.064	1.064	0	%100
149	M121	X	.614	.614	0	%100
150	M121	Z	1.064	1.064	0	%100
151	M122	X	.614	.614	0	%100
152	M122	Z	1.064	1.064	0	%100
153	M127	X	.614	.614	0	%100
154	M127	Z	1.064	1.064	0	%100
155	M128	X	.614	.614	0	%100
156	M128	Z	1.064	1.064	0	%100
157	M133	X	.154	.154	0	%100
158	M133	Z	.266	.266	0	%100
159	M134	X	.154	.154	0	%100
160	M134	Z	.266	.266	0	%100
161	M139	X	.154	.154	0	%100
162	M139	Z	.266	.266	0	%100
163	M140	X	.154	.154	0	%100
164	M140	Z	.266	.266	0	%100
165	M145	X	.154	.154	0	%100
166	M145	Z	.266	.266	0	%100
167	M146	X	.154	.154	0	%100
168	M146	Z	.266	.266	0	%100
169	M151	X	.154	.154	0	%100
170	M151	Z	.266	.266	0	%100
171	M152	X	.154	.154	0	%100
172	M152	Z	.266	.266	0	%100
173	M157	X	.154	.154	0	%100
174	M157	Z	.266	.266	0	%100
175	M158	X	.154	.154	0	%100
176	M158	Z	.266	.266	0	%100
177	M163	X	.154	.154	0	%100
178	M163	Z	.266	.266	0	%100
179	M164	X	.154	.154	0	%100
180	M164	Z	.266	.266	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.%]
181	MP2A	X	3.842	3.842	0	%100
182	MP2A	Z	6.654	6.654	0	%100
183	MP1A	X	3.842	3.842	0	%100
184	MP1A	Z	6.654	6.654	0	%100
185	MP4A	X	3.842	3.842	0	%100
186	MP4A	Z	6.654	6.654	0	%100
187	MP2C	X	3.842	3.842	0	%100
188	MP2C	Z	6.654	6.654	0	%100
189	MP1C	X	3.842	3.842	0	%100
190	MP1C	Z	6.654	6.654	0	%100
191	MP4C	X	3.842	3.842	0	%100
192	MP4C	Z	6.654	6.654	0	%100
193	MP2B	X	3.842	3.842	0	%100
194	MP2B	Z	6.654	6.654	0	%100
195	MP1B	X	3.842	3.842	0	%100
196	MP1B	Z	6.654	6.654	0	%100
197	MP4B	X	3.842	3.842	0	%100
198	MP4B	Z	6.654	6.654	0	%100
199	MP3A	X	3.842	3.842	0	%100
200	MP3A	Z	6.654	6.654	0	%100
201	MP3C	X	3.842	3.842	0	%100
202	MP3C	Z	6.654	6.654	0	%100
203	MP3B	X	3.842	3.842	0	%100
204	MP3B	Z	6.654	6.654	0	%100
205	M185A	X	1.213	1.213	0	%100
206	M185A	Z	2.101	2.101	0	%100
207	M186	X	1.213	1.213	0	%100
208	M186	Z	2.101	2.101	0	%100
209	M187	X	3.639	3.639	0	%100
210	M187	Z	6.304	6.304	0	%100
211	M188	X	3.639	3.639	0	%100
212	M188	Z	6.304	6.304	0	%100
213	M188A	X	3.501	3.501	0	%100
214	M188A	Z	6.064	6.064	0	%100
215	M189	X	1.213	1.213	0	%100
216	M189	Z	2.101	2.101	0	%100
217	M190	X	1.213	1.213	0	%100
218	M190	Z	2.101	2.101	0	%100
219	M197	X	3.488	3.488	0	%100
220	M197	Z	6.041	6.041	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	3.488	3.488	0	%100
224	M201A	Z	6.041	6.041	0	%100
225	M212	X	4.138	4.138	0	%100
226	M212	Z	7.167	7.167	0	%100
227	M213	X	4.138	4.138	0	%100
228	M213	Z	7.167	7.167	0	%100
229	M214	X	5.674	5.674	0	%100
230	M214	Z	9.827	9.827	0	%100
231	M215	X	5.674	5.674	0	%100
232	M215	Z	9.827	9.827	0	%100
233	M216	X	4.138	4.138	0	%100
234	M216	Z	7.167	7.167	0	%100
235	M217	X	4.138	4.138	0	%100
236	M217	Z	7.167	7.167	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	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	1.618	1.618	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	10.008	10.008	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.404	.404	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	10.008	10.008	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.404	.404	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	26.959	26.959	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	6.74	6.74	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	6.74	6.74	0	%100
19	MP5B	X	0	0	0	%100
20	MP5B	Z	7.661	7.661	0	%100
21	MP5A	X	0	0	0	%100
22	MP5A	Z	7.661	7.661	0	%100
23	MP5C	X	0	0	0	%100
24	MP5C	Z	7.661	7.661	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	9.705	9.705	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	9.705	9.705	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	2.426	2.426	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	2.426	2.426	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	2.426	2.426	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	2.426	2.426	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	16.175	16.175	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	4.044	4.044	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	4.044	4.044	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	9.705	9.705	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	9.705	9.705	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	2.426	2.426	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	2.426	2.426	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	2.426	2.426	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	2.426	2.426	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	16.175	16.175	0	%100
57	M33	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.%]
58	M33	Z	4.044	4.044	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	4.044	4.044	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	9.705	9.705	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	9.705	9.705	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	2.426	2.426	0	%100
67	M38	X	0	0	0	%100
68	M38	Z	2.426	2.426	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	2.426	2.426	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	2.426	2.426	0	%100
73	M41	X	0	0	0	%100
74	M41	Z	6.942	6.942	0	%100
75	M201	X	0	0	0	%100
76	M201	Z	6.942	6.942	0	%100
77	M50	X	0	0	0	%100
78	M50	Z	6.942	6.942	0	%100
79	M44	X	0	0	0	%100
80	M44	Z	6.942	6.942	0	%100
81	M45	X	0	0	0	%100
82	M45	Z	6.942	6.942	0	%100
83	M203	X	0	0	0	%100
84	M203	Z	6.942	6.942	0	%100
85	M200	X	0	0	0	%100
86	M200	Z	6.942	6.942	0	%100
87	M48	X	0	0	0	%100
88	M48	Z	6.942	6.942	0	%100
89	M49	X	0	0	0	%100
90	M49	Z	6.942	6.942	0	%100
91	M202	X	0	0	0	%100
92	M202	Z	6.942	6.942	0	%100
93	M51	X	0	0	0	%100
94	M51	Z	6.942	6.942	0	%100
95	M52	X	0	0	0	%100
96	M52	Z	6.942	6.942	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	23.293	23.293	0	%100
99	M54	X	0	0	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	0	0	0	%100
102	M55	Z	0	0	0	%100
103	M56	X	0	0	0	%100
104	M56	Z	10.784	10.784	0	%100
105	M57	X	0	0	0	%100
106	M57	Z	2.696	2.696	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	10.784	10.784	0	%100
109	M61	X	0	0	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	0	0	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	0	0	0	%100
114	M67	Z	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.%]
115	M68	X	0	0	%100
116	M68	Z	0	0	%100
117	M73	X	0	0	%100
118	M73	Z	0	0	%100
119	M74	X	0	0	%100
120	M74	Z	0	0	%100
121	M79	X	0	0	%100
122	M79	Z	0	0	%100
123	M80	X	0	0	%100
124	M80	Z	0	0	%100
125	M85	X	0	0	%100
126	M85	Z	0	0	%100
127	M86	X	0	0	%100
128	M86	Z	0	0	%100
129	M91	X	0	0	%100
130	M91	Z	0	0	%100
131	M92	X	0	0	%100
132	M92	Z	0	0	%100
133	M97	X	0	0	%100
134	M97	Z	.921	.921	%100
135	M98	X	0	0	%100
136	M98	Z	.921	.921	%100
137	M103	X	0	0	%100
138	M103	Z	.921	.921	%100
139	M104	X	0	0	%100
140	M104	Z	.921	.921	%100
141	M109	X	0	0	%100
142	M109	Z	.921	.921	%100
143	M110	X	0	0	%100
144	M110	Z	.921	.921	%100
145	M115	X	0	0	%100
146	M115	Z	.921	.921	%100
147	M116	X	0	0	%100
148	M116	Z	.921	.921	%100
149	M121	X	0	0	%100
150	M121	Z	.921	.921	%100
151	M122	X	0	0	%100
152	M122	Z	.921	.921	%100
153	M127	X	0	0	%100
154	M127	Z	.921	.921	%100
155	M128	X	0	0	%100
156	M128	Z	.921	.921	%100
157	M133	X	0	0	%100
158	M133	Z	.921	.921	%100
159	M134	X	0	0	%100
160	M134	Z	.921	.921	%100
161	M139	X	0	0	%100
162	M139	Z	.921	.921	%100
163	M140	X	0	0	%100
164	M140	Z	.921	.921	%100
165	M145	X	0	0	%100
166	M145	Z	.921	.921	%100
167	M146	X	0	0	%100
168	M146	Z	.921	.921	%100
169	M151	X	0	0	%100
170	M151	Z	.921	.921	%100
171	M152	X	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.%]
172	M152	Z	.921	.921	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	.921	.921	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	.921	.921	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	.921	.921	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	.921	.921	0	%100
181	MP2A	X	0	0	0	%100
182	MP2A	Z	7.683	7.683	0	%100
183	MP1A	X	0	0	0	%100
184	MP1A	Z	7.683	7.683	0	%100
185	MP4A	X	0	0	0	%100
186	MP4A	Z	7.683	7.683	0	%100
187	MP2C	X	0	0	0	%100
188	MP2C	Z	7.683	7.683	0	%100
189	MP1C	X	0	0	0	%100
190	MP1C	Z	7.683	7.683	0	%100
191	MP4C	X	0	0	0	%100
192	MP4C	Z	7.683	7.683	0	%100
193	MP2B	X	0	0	0	%100
194	MP2B	Z	7.683	7.683	0	%100
195	MP1B	X	0	0	0	%100
196	MP1B	Z	7.683	7.683	0	%100
197	MP4B	X	0	0	0	%100
198	MP4B	Z	7.683	7.683	0	%100
199	MP3A	X	0	0	0	%100
200	MP3A	Z	7.683	7.683	0	%100
201	MP3C	X	0	0	0	%100
202	MP3C	Z	7.683	7.683	0	%100
203	MP3B	X	0	0	0	%100
204	MP3B	Z	7.683	7.683	0	%100
205	M185A	X	0	0	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	0	0	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	9.705	9.705	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	9.705	9.705	0	%100
213	M188A	X	0	0	0	%100
214	M188A	Z	7.002	7.002	0	%100
215	M189	X	0	0	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	0	0	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	9.301	9.301	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	2.325	2.325	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	2.325	2.325	0	%100
225	M212	X	0	0	0	%100
226	M212	Z	7.252	7.252	0	%100
227	M213	X	0	0	0	%100
228	M213	Z	7.252	7.252	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

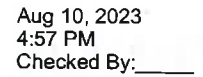
Aug 10, 2023
 4:57 PM
 Checked By: _____

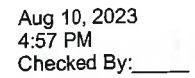
Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
229	M214	X	0	0	0	%100
230	M214	Z	10.324	10.324	0	%100
231	M215	X	0	0	0	%100
232	M215	Z	10.324	10.324	0	%100
233	M216	X	0	0	0	%100
234	M216	Z	10.324	10.324	0	%100
235	M217	X	0	0	0	%100
236	M217	Z	10.324	10.324	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	-1.668	-1.668	0	%100
2	M1	Z	2.889	2.889	0	%100
3	M3	X	-.607	-.607	0	%100
4	M3	Z	1.051	1.051	0	%100
5	M4	X	-1.668	-1.668	0	%100
6	M4	Z	2.889	2.889	0	%100
7	M6	X	-.607	-.607	0	%100
8	M6	Z	1.051	1.051	0	%100
9	M7	X	-6.672	-6.672	0	%100
10	M7	Z	11.557	11.557	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	-10.11	-10.11	0	%100
14	M10	Z	17.51	17.51	0	%100
15	M11	X	-10.11	-10.11	0	%100
16	M11	Z	17.51	17.51	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	0	0	0	%100
19	MP5B	X	-3.83	-3.83	0	%100
20	MP5B	Z	6.634	6.634	0	%100
21	MP5A	X	-3.83	-3.83	0	%100
22	MP5A	Z	6.634	6.634	0	%100
23	MP5C	X	-3.83	-3.83	0	%100
24	MP5C	Z	6.634	6.634	0	%100
25	M16	X	-3.639	-3.639	0	%100
26	M16	Z	6.304	6.304	0	%100
27	M18	X	-3.639	-3.639	0	%100
28	M18	Z	6.304	6.304	0	%100
29	M19	X	-3.639	-3.639	0	%100
30	M19	Z	6.304	6.304	0	%100
31	M20	X	-3.639	-3.639	0	%100
32	M20	Z	6.304	6.304	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-6.066	-6.066	0	%100
38	M23	Z	10.506	10.506	0	%100
39	M24	X	-6.066	-6.066	0	%100
40	M24	Z	10.506	10.506	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-3.639	-3.639	0	%100
44	M26	Z	6.304	6.304	0	%100
45	M27	X	-3.639	-3.639	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.%]
160	M134	Z	1.064	1.064	0	%100
161	M139	X	- .614	- .614	0	%100
162	M139	Z	1.064	1.064	0	%100
163	M140	X	- .614	- .614	0	%100
164	M140	Z	1.064	1.064	0	%100
165	M145	X	- .614	- .614	0	%100
166	M145	Z	1.064	1.064	0	%100
167	M146	X	- .614	- .614	0	%100
168	M146	Z	1.064	1.064	0	%100
169	M151	X	- .614	- .614	0	%100
170	M151	Z	1.064	1.064	0	%100
171	M152	X	- .614	- .614	0	%100
172	M152	Z	1.064	1.064	0	%100
173	M157	X	- .614	- .614	0	%100
174	M157	Z	1.064	1.064	0	%100
175	M158	X	- .614	- .614	0	%100
176	M158	Z	1.064	1.064	0	%100
177	M163	X	- .614	- .614	0	%100
178	M163	Z	1.064	1.064	0	%100
179	M164	X	- .614	- .614	0	%100
180	M164	Z	1.064	1.064	0	%100
181	MP2A	X	-3.842	-3.842	0	%100
182	MP2A	Z	6.654	6.654	0	%100
183	MP1A	X	-3.842	-3.842	0	%100
184	MP1A	Z	6.654	6.654	0	%100
185	MP4A	X	-3.842	-3.842	0	%100
186	MP4A	Z	6.654	6.654	0	%100
187	MP2C	X	-3.842	-3.842	0	%100
188	MP2C	Z	6.654	6.654	0	%100
189	MP1C	X	-3.842	-3.842	0	%100
190	MP1C	Z	6.654	6.654	0	%100
191	MP4C	X	-3.842	-3.842	0	%100
192	MP4C	Z	6.654	6.654	0	%100
193	MP2B	X	-3.842	-3.842	0	%100
194	MP2B	Z	6.654	6.654	0	%100
195	MP1B	X	-3.842	-3.842	0	%100
196	MP1B	Z	6.654	6.654	0	%100
197	MP4B	X	-3.842	-3.842	0	%100
198	MP4B	Z	6.654	6.654	0	%100
199	MP3A	X	-3.842	-3.842	0	%100
200	MP3A	Z	6.654	6.654	0	%100
201	MP3C	X	-3.842	-3.842	0	%100
202	MP3C	Z	6.654	6.654	0	%100
203	MP3B	X	-3.842	-3.842	0	%100
204	MP3B	Z	6.654	6.654	0	%100
205	M185A	X	-1.213	-1.213	0	%100
206	M185A	Z	2.101	2.101	0	%100
207	M186	X	-1.213	-1.213	0	%100
208	M186	Z	2.101	2.101	0	%100
209	M187	X	-3.639	-3.639	0	%100
210	M187	Z	6.304	6.304	0	%100
211	M188	X	-3.639	-3.639	0	%100
212	M188	Z	6.304	6.304	0	%100
213	M188A	X	-3.501	-3.501	0	%100
214	M188A	Z	6.064	6.064	0	%100
215	M189	X	-1.213	-1.213	0	%100
216	M189	Z	2.101	2.101	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

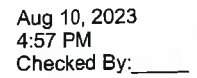
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
217	M190	X	-1.213	-1.213	0	%100
218	M190	Z	2.101	2.101	0	%100
219	M197	X	-3.488	-3.488	0	%100
220	M197	Z	6.041	6.041	0	%100
221	M196	X	-3.488	-3.488	0	%100
222	M196	Z	6.041	6.041	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	-4.138	-4.138	0	%100
226	M212	Z	7.167	7.167	0	%100
227	M213	X	-4.138	-4.138	0	%100
228	M213	Z	7.167	7.167	0	%100
229	M214	X	-4.138	-4.138	0	%100
230	M214	Z	7.167	7.167	0	%100
231	M215	X	-4.138	-4.138	0	%100
232	M215	Z	7.167	7.167	0	%100
233	M216	X	-5.674	-5.674	0	%100
234	M216	Z	9.827	9.827	0	%100
235	M217	X	-5.674	-5.674	0	%100
236	M217	Z	9.827	9.827	0	%100

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

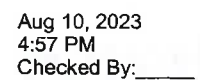
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-8.668	-8.668	0	%100
2	M1	Z	5.004	5.004	0	%100
3	M3	X	-.35	-.35	0	%100
4	M3	Z	.202	.202	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	-1.401	-1.401	0	%100
8	M6	Z	.809	.809	0	%100
9	M7	X	-8.668	-8.668	0	%100
10	M7	Z	5.004	5.004	0	%100
11	M9	X	-.35	-.35	0	%100
12	M9	Z	.202	.202	0	%100
13	M10	X	-5.837	-5.837	0	%100
14	M10	Z	3.37	3.37	0	%100
15	M11	X	-23.347	-23.347	0	%100
16	M11	Z	13.479	13.479	0	%100
17	M12	X	-5.837	-5.837	0	%100
18	M12	Z	3.37	3.37	0	%100
19	MP5B	X	-6.634	-6.634	0	%100
20	MP5B	Z	3.83	3.83	0	%100
21	MP5A	X	-6.634	-6.634	0	%100
22	MP5A	Z	3.83	3.83	0	%100
23	MP5C	X	-6.634	-6.634	0	%100
24	MP5C	Z	3.83	3.83	0	%100
25	M16	X	-2.101	-2.101	0	%100
26	M16	Z	1.213	1.213	0	%100
27	M18	X	-2.101	-2.101	0	%100
28	M18	Z	1.213	1.213	0	%100
29	M19	X	-8.405	-8.405	0	%100
30	M19	Z	4.853	4.853	0	%100
31	M20	X	-8.405	-8.405	0	%100
32	M20	Z	4.853	4.853	0	%100
33	M21	X	-2.101	-2.101	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.%]
34	M21	Z	1.213	1.213	0	%100
35	M22	X	-2.101	-2.101	0	%100
36	M22	Z	1.213	1.213	0	%100
37	M23	X	-3.502	-3.502	0	%100
38	M23	Z	2.022	2.022	0	%100
39	M24	X	-14.008	-14.008	0	%100
40	M24	Z	8.088	8.088	0	%100
41	M25	X	-3.502	-3.502	0	%100
42	M25	Z	2.022	2.022	0	%100
43	M26	X	-2.101	-2.101	0	%100
44	M26	Z	1.213	1.213	0	%100
45	M27	X	-2.101	-2.101	0	%100
46	M27	Z	1.213	1.213	0	%100
47	M28	X	-8.405	-8.405	0	%100
48	M28	Z	4.853	4.853	0	%100
49	M29	X	-8.405	-8.405	0	%100
50	M29	Z	4.853	4.853	0	%100
51	M30	X	-2.101	-2.101	0	%100
52	M30	Z	1.213	1.213	0	%100
53	M31	X	-2.101	-2.101	0	%100
54	M31	Z	1.213	1.213	0	%100
55	M32	X	-3.502	-3.502	0	%100
56	M32	Z	2.022	2.022	0	%100
57	M33	X	-14.008	-14.008	0	%100
58	M33	Z	8.088	8.088	0	%100
59	M34	X	-3.502	-3.502	0	%100
60	M34	Z	2.022	2.022	0	%100
61	M35	X	-2.101	-2.101	0	%100
62	M35	Z	1.213	1.213	0	%100
63	M36	X	-2.101	-2.101	0	%100
64	M36	Z	1.213	1.213	0	%100
65	M37	X	-8.405	-8.405	0	%100
66	M37	Z	4.853	4.853	0	%100
67	M38	X	-8.405	-8.405	0	%100
68	M38	Z	4.853	4.853	0	%100
69	M39	X	-2.101	-2.101	0	%100
70	M39	Z	1.213	1.213	0	%100
71	M40	X	-2.101	-2.101	0	%100
72	M40	Z	1.213	1.213	0	%100
73	M41	X	-6.012	-6.012	0	%100
74	M41	Z	3.471	3.471	0	%100
75	M201	X	-6.012	-6.012	0	%100
76	M201	Z	3.471	3.471	0	%100
77	M50	X	-6.012	-6.012	0	%100
78	M50	Z	3.471	3.471	0	%100
79	M44	X	-6.012	-6.012	0	%100
80	M44	Z	3.471	3.471	0	%100
81	M45	X	-6.012	-6.012	0	%100
82	M45	Z	3.471	3.471	0	%100
83	M203	X	-6.012	-6.012	0	%100
84	M203	Z	3.471	3.471	0	%100
85	M200	X	-6.012	-6.012	0	%100
86	M200	Z	3.471	3.471	0	%100
87	M48	X	-6.012	-6.012	0	%100
88	M48	Z	3.471	3.471	0	%100
89	M49	X	-6.012	-6.012	0	%100
90	M49	Z	3.471	3.471	0	%100



RISA-3D Version 17.0.4 [\\...\\...\\...\\...\\Rev. 0\\RISA\\5000386107-VZW_MT_LO_H.r3d] Page 160



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.%]
205	M185A	X	-6.304	-6.304	0	%100
206	M185A	Z	3.639	3.639	0	%100
207	M186	X	-6.304	-6.304	0	%100
208	M186	Z	3.639	3.639	0	%100
209	M187	X	-2.101	-2.101	0	%100
210	M187	Z	1.213	1.213	0	%100
211	M188	X	-2.101	-2.101	0	%100
212	M188	Z	1.213	1.213	0	%100
213	M188A	X	-6.064	-6.064	0	%100
214	M188A	Z	3.501	3.501	0	%100
215	M189	X	-6.304	-6.304	0	%100
216	M189	Z	3.639	3.639	0	%100
217	M190	X	-6.304	-6.304	0	%100
218	M190	Z	3.639	3.639	0	%100
219	M197	X	-2.014	-2.014	0	%100
220	M197	Z	1.163	1.163	0	%100
221	M196	X	-8.055	-8.055	0	%100
222	M196	Z	4.65	4.65	0	%100
223	M201A	X	-2.014	-2.014	0	%100
224	M201A	Z	1.163	1.163	0	%100
225	M212	X	-8.941	-8.941	0	%100
226	M212	Z	5.162	5.162	0	%100
227	M213	X	-8.941	-8.941	0	%100
228	M213	Z	5.162	5.162	0	%100
229	M214	X	-6.28	-6.28	0	%100
230	M214	Z	3.626	3.626	0	%100
231	M215	X	-6.28	-6.28	0	%100
232	M215	Z	3.626	3.626	0	%100
233	M216	X	-8.941	-8.941	0	%100
234	M216	Z	5.162	5.162	0	%100
235	M217	X	-8.941	-8.941	0	%100
236	M217	Z	5.162	5.162	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	-13.345	-13.345	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M4	X	-3.336	-3.336	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	-1.213	-1.213	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-3.336	-3.336	0	%100
10	M7	Z	0	0	0	%100
11	M9	X	-1.213	-1.213	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	-20.219	-20.219	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-20.219	-20.219	0	%100
18	M12	Z	0	0	0	%100
19	MP5B	X	-7.661	-7.661	0	%100
20	MP5B	Z	0	0	0	%100
21	MP5A	X	-7.661	-7.661	0	%100

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

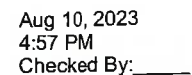
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location(lft.%)	End Location(lft.%)
22	MP5A	Z	0	0	0	%100
23	MP5C	X	-7.661	-7.661	0	%100
24	MP5C	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-7.279	-7.279	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-7.279	-7.279	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-7.279	-7.279	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-7.279	-7.279	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-12.131	-12.131	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-12.131	-12.131	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-7.279	-7.279	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-7.279	-7.279	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-7.279	-7.279	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-7.279	-7.279	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-12.131	-12.131	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-12.131	-12.131	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	0	0	0	%100
65	M37	X	-7.279	-7.279	0	%100
66	M37	Z	0	0	0	%100
67	M38	X	-7.279	-7.279	0	%100
68	M38	Z	0	0	0	%100
69	M39	X	-7.279	-7.279	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	-7.279	-7.279	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	-6.942	-6.942	0	%100
74	M41	Z	0	0	0	%100
75	M201	X	-6.942	-6.942	0	%100
76	M201	Z	0	0	0	%100
77	M50	X	-6.942	-6.942	0	%100
78	M50	Z	0	0	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.%]
79	M44	X	-6.942	-6.942	0	%100
80	M44	Z	0	0	0	%100
81	M45	X	-6.942	-6.942	0	%100
82	M45	Z	0	0	0	%100
83	M203	X	-6.942	-6.942	0	%100
84	M203	Z	0	0	0	%100
85	M200	X	-6.942	-6.942	0	%100
86	M200	Z	0	0	0	%100
87	M48	X	-6.942	-6.942	0	%100
88	M48	Z	0	0	0	%100
89	M49	X	-6.942	-6.942	0	%100
90	M49	Z	0	0	0	%100
91	M202	X	-6.942	-6.942	0	%100
92	M202	Z	0	0	0	%100
93	M51	X	-6.942	-6.942	0	%100
94	M51	Z	0	0	0	%100
95	M52	X	-6.942	-6.942	0	%100
96	M52	Z	0	0	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	0	0	0	%100
99	M54	X	-13.534	-13.534	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	-13.534	-13.534	0	%100
102	M55	Z	0	0	0	%100
103	M56	X	-5.392	-5.392	0	%100
104	M56	Z	0	0	0	%100
105	M57	X	-13.479	-13.479	0	%100
106	M57	Z	0	0	0	%100
107	M58	X	-5.392	-5.392	0	%100
108	M58	Z	0	0	0	%100
109	M61	X	-1.228	-1.228	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	-1.228	-1.228	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	-1.228	-1.228	0	%100
114	M67	Z	0	0	0	%100
115	M68	X	-1.228	-1.228	0	%100
116	M68	Z	0	0	0	%100
117	M73	X	-1.228	-1.228	0	%100
118	M73	Z	0	0	0	%100
119	M74	X	-1.228	-1.228	0	%100
120	M74	Z	0	0	0	%100
121	M79	X	-1.228	-1.228	0	%100
122	M79	Z	0	0	0	%100
123	M80	X	-1.228	-1.228	0	%100
124	M80	Z	0	0	0	%100
125	M85	X	-1.228	-1.228	0	%100
126	M85	Z	0	0	0	%100
127	M86	X	-1.228	-1.228	0	%100
128	M86	Z	0	0	0	%100
129	M91	X	-1.228	-1.228	0	%100
130	M91	Z	0	0	0	%100
131	M92	X	-1.228	-1.228	0	%100
132	M92	Z	0	0	0	%100
133	M97	X	-.307	-.307	0	%100
134	M97	Z	0	0	0	%100
135	M98	X	-.307	-.307	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.%)
136	M98	Z	0	0	0	%100
137	M103	X	-.307	-.307	0	%100
138	M103	Z	0	0	0	%100
139	M104	X	-.307	-.307	0	%100
140	M104	Z	0	0	0	%100
141	M109	X	-.307	-.307	0	%100
142	M109	Z	0	0	0	%100
143	M110	X	-.307	-.307	0	%100
144	M110	Z	0	0	0	%100
145	M115	X	-.307	-.307	0	%100
146	M115	Z	0	0	0	%100
147	M116	X	-.307	-.307	0	%100
148	M116	Z	0	0	0	%100
149	M121	X	-.307	-.307	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	-.307	-.307	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	-.307	-.307	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	-.307	-.307	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	-.307	-.307	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	-.307	-.307	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	-.307	-.307	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	-.307	-.307	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	-.307	-.307	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	-.307	-.307	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	-.307	-.307	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	-.307	-.307	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	-.307	-.307	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	-.307	-.307	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	-.307	-.307	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	-.307	-.307	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	-7.683	-7.683	0	%100
182	MP2A	Z	0	0	0	%100
183	MP1A	X	-7.683	-7.683	0	%100
184	MP1A	Z	0	0	0	%100
185	MP4A	X	-7.683	-7.683	0	%100
186	MP4A	Z	0	0	0	%100
187	MP2C	X	-7.683	-7.683	0	%100
188	MP2C	Z	0	0	0	%100
189	MP1C	X	-7.683	-7.683	0	%100
190	MP1C	Z	0	0	0	%100
191	MP4C	X	-7.683	-7.683	0	%100
192	MP4C	Z	0	0	0	%100



Member ID	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
193	MP2B	X	-7.683	-7.683	0	%100
194	MP2B	Z	0	0	0	%100
195	MP1B	X	-7.683	-7.683	0	%100
196	MP1B	Z	0	0	0	%100
197	MP4B	X	-7.683	-7.683	0	%100
198	MP4B	Z	0	0	0	%100
199	MP3A	X	-7.683	-7.683	0	%100
200	MP3A	Z	0	0	0	%100
201	MP3C	X	-7.683	-7.683	0	%100
202	MP3C	Z	0	0	0	%100
203	MP3B	X	-7.683	-7.683	0	%100
204	MP3B	Z	0	0	0	%100
205	M185A	X	-9.705	-9.705	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	-9.705	-9.705	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	0	0	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	0	0	0	%100
213	M188A	X	-7.002	-7.002	0	%100
214	M188A	Z	0	0	0	%100
215	M189	X	-9.705	-9.705	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	-9.705	-9.705	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	0	0	0	%100
221	M196	X	-6.976	-6.976	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	-6.976	-6.976	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	-11.348	-11.348	0	%100
226	M212	Z	0	0	0	%100
227	M213	X	-11.348	-11.348	0	%100
228	M213	Z	0	0	0	%100
229	M214	X	-8.276	-8.276	0	%100
230	M214	Z	0	0	0	%100
231	M215	X	-8.276	-8.276	0	%100
232	M215	Z	0	0	0	%100
233	M216	X	-8.276	-8.276	0	%100
234	M216	Z	0	0	0	%100
235	M217	X	-8.276	-8.276	0	%100
236	M217	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	-8.668	-8.668	0	%100
2	M1	Z	-5.004	-5.004	0	%100
3	M3	X	-.35	-.35	0	%100
4	M3	Z	-.202	-.202	0	%100
5	M4	X	-8.668	-8.668	0	%100
6	M4	Z	-5.004	-5.004	0	%100
7	M6	X	-.35	-.35	0	%100
8	M6	Z	-.202	-.202	0	%100
9	M7	X	0	0	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.%]
10	M7	Z	0	0	0	%100
11	M9	X	-1.401	-1.401	0	%100
12	M9	Z	-.809	-.809	0	%100
13	M10	X	-5.837	-5.837	0	%100
14	M10	Z	-3.37	-3.37	0	%100
15	M11	X	-5.837	-5.837	0	%100
16	M11	Z	-3.37	-3.37	0	%100
17	M12	X	-23.347	-23.347	0	%100
18	M12	Z	-13.479	-13.479	0	%100
19	MP5B	X	-6.634	-6.634	0	%100
20	MP5B	Z	-3.83	-3.83	0	%100
21	MP5A	X	-6.634	-6.634	0	%100
22	MP5A	Z	-3.83	-3.83	0	%100
23	MP5C	X	-6.634	-6.634	0	%100
24	MP5C	Z	-3.83	-3.83	0	%100
25	M16	X	-2.101	-2.101	0	%100
26	M16	Z	-1.213	-1.213	0	%100
27	M18	X	-2.101	-2.101	0	%100
28	M18	Z	-1.213	-1.213	0	%100
29	M19	X	-2.101	-2.101	0	%100
30	M19	Z	-1.213	-1.213	0	%100
31	M20	X	-2.101	-2.101	0	%100
32	M20	Z	-1.213	-1.213	0	%100
33	M21	X	-8.405	-8.405	0	%100
34	M21	Z	-4.853	-4.853	0	%100
35	M22	X	-8.405	-8.405	0	%100
36	M22	Z	-4.853	-4.853	0	%100
37	M23	X	-3.502	-3.502	0	%100
38	M23	Z	-2.022	-2.022	0	%100
39	M24	X	-3.502	-3.502	0	%100
40	M24	Z	-2.022	-2.022	0	%100
41	M25	X	-14.008	-14.008	0	%100
42	M25	Z	-8.088	-8.088	0	%100
43	M26	X	-2.101	-2.101	0	%100
44	M26	Z	-1.213	-1.213	0	%100
45	M27	X	-2.101	-2.101	0	%100
46	M27	Z	-1.213	-1.213	0	%100
47	M28	X	-2.101	-2.101	0	%100
48	M28	Z	-1.213	-1.213	0	%100
49	M29	X	-2.101	-2.101	0	%100
50	M29	Z	-1.213	-1.213	0	%100
51	M30	X	-8.405	-8.405	0	%100
52	M30	Z	-4.853	-4.853	0	%100
53	M31	X	-8.405	-8.405	0	%100
54	M31	Z	-4.853	-4.853	0	%100
55	M32	X	-3.502	-3.502	0	%100
56	M32	Z	-2.022	-2.022	0	%100
57	M33	X	-3.502	-3.502	0	%100
58	M33	Z	-2.022	-2.022	0	%100
59	M34	X	-14.008	-14.008	0	%100
60	M34	Z	-8.088	-8.088	0	%100
61	M35	X	-2.101	-2.101	0	%100
62	M35	Z	-1.213	-1.213	0	%100
63	M36	X	-2.101	-2.101	0	%100
64	M36	Z	-1.213	-1.213	0	%100
65	M37	X	-2.101	-2.101	0	%100
66	M37	Z	-1.213	-1.213	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
67	M38	X	-2.101	-2.101	0	%100
68	M38	Z	-1.213	-1.213	0	%100
69	M39	X	-8.405	-8.405	0	%100
70	M39	Z	-4.853	-4.853	0	%100
71	M40	X	-8.405	-8.405	0	%100
72	M40	Z	-4.853	-4.853	0	%100
73	M41	X	-6.012	-6.012	0	%100
74	M41	Z	-3.471	-3.471	0	%100
75	M201	X	-6.012	-6.012	0	%100
76	M201	Z	-3.471	-3.471	0	%100
77	M50	X	-6.012	-6.012	0	%100
78	M50	Z	-3.471	-3.471	0	%100
79	M44	X	-6.012	-6.012	0	%100
80	M44	Z	-3.471	-3.471	0	%100
81	M45	X	-6.012	-6.012	0	%100
82	M45	Z	-3.471	-3.471	0	%100
83	M203	X	-6.012	-6.012	0	%100
84	M203	Z	-3.471	-3.471	0	%100
85	M200	X	-6.012	-6.012	0	%100
86	M200	Z	-3.471	-3.471	0	%100
87	M48	X	-6.012	-6.012	0	%100
88	M48	Z	-3.471	-3.471	0	%100
89	M49	X	-6.012	-6.012	0	%100
90	M49	Z	-3.471	-3.471	0	%100
91	M202	X	-6.012	-6.012	0	%100
92	M202	Z	-3.471	-3.471	0	%100
93	M51	X	-6.012	-6.012	0	%100
94	M51	Z	-3.471	-3.471	0	%100
95	M52	X	-6.012	-6.012	0	%100
96	M52	Z	-3.471	-3.471	0	%100
97	M53	X	-5.043	-5.043	0	%100
98	M53	Z	-2.912	-2.912	0	%100
99	M54	X	-8.791	-8.791	0	%100
100	M54	Z	-5.075	-5.075	0	%100
101	M55	X	-8.791	-8.791	0	%100
102	M55	Z	-5.075	-5.075	0	%100
103	M56	X	-9.339	-9.339	0	%100
104	M56	Z	-5.392	-5.392	0	%100
105	M57	X	-9.339	-9.339	0	%100
106	M57	Z	-5.392	-5.392	0	%100
107	M58	X	-2.335	-2.335	0	%100
108	M58	Z	-1.348	-1.348	0	%100
109	M61	X	-798	-798	0	%100
110	M61	Z	-461	-461	0	%100
111	M62	X	-798	-798	0	%100
112	M62	Z	-461	-461	0	%100
113	M67	X	-798	-798	0	%100
114	M67	Z	-461	-461	0	%100
115	M68	X	-798	-798	0	%100
116	M68	Z	-461	-461	0	%100
117	M73	X	-798	-798	0	%100
118	M73	Z	-461	-461	0	%100
119	M74	X	-798	-798	0	%100
120	M74	Z	-461	-461	0	%100
121	M79	X	-798	-798	0	%100
122	M79	Z	-461	-461	0	%100
123	M80	X	-798	-798	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.%]
124	M80	Z	-461	-461	0	%100
125	M85	X	-798	-798	0	%100
126	M85	Z	-461	-461	0	%100
127	M86	X	-798	-798	0	%100
128	M86	Z	-461	-461	0	%100
129	M91	X	-798	-798	0	%100
130	M91	Z	-461	-461	0	%100
131	M92	X	-798	-798	0	%100
132	M92	Z	-461	-461	0	%100
133	M97	X	-798	-798	0	%100
134	M97	Z	-461	-461	0	%100
135	M98	X	-798	-798	0	%100
136	M98	Z	-461	-461	0	%100
137	M103	X	-798	-798	0	%100
138	M103	Z	-461	-461	0	%100
139	M104	X	-798	-798	0	%100
140	M104	Z	-461	-461	0	%100
141	M109	X	-798	-798	0	%100
142	M109	Z	-461	-461	0	%100
143	M110	X	-798	-798	0	%100
144	M110	Z	-461	-461	0	%100
145	M115	X	-798	-798	0	%100
146	M115	Z	-461	-461	0	%100
147	M116	X	-798	-798	0	%100
148	M116	Z	-461	-461	0	%100
149	M121	X	-798	-798	0	%100
150	M121	Z	-461	-461	0	%100
151	M122	X	-798	-798	0	%100
152	M122	Z	-461	-461	0	%100
153	M127	X	-798	-798	0	%100
154	M127	Z	-461	-461	0	%100
155	M128	X	-798	-798	0	%100
156	M128	Z	-461	-461	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	0	0	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%)
181	MP2A	X	-6.654	-6.654	0	%100
182	MP2A	Z	-3.842	-3.842	0	%100
183	MP1A	X	-6.654	-6.654	0	%100
184	MP1A	Z	-3.842	-3.842	0	%100
185	MP4A	X	-6.654	-6.654	0	%100
186	MP4A	Z	-3.842	-3.842	0	%100
187	MP2C	X	-6.654	-6.654	0	%100
188	MP2C	Z	-3.842	-3.842	0	%100
189	MP1C	X	-6.654	-6.654	0	%100
190	MP1C	Z	-3.842	-3.842	0	%100
191	MP4C	X	-6.654	-6.654	0	%100
192	MP4C	Z	-3.842	-3.842	0	%100
193	MP2B	X	-6.654	-6.654	0	%100
194	MP2B	Z	-3.842	-3.842	0	%100
195	MP1B	X	-6.654	-6.654	0	%100
196	MP1B	Z	-3.842	-3.842	0	%100
197	MP4B	X	-6.654	-6.654	0	%100
198	MP4B	Z	-3.842	-3.842	0	%100
199	MP3A	X	-6.654	-6.654	0	%100
200	MP3A	Z	-3.842	-3.842	0	%100
201	MP3C	X	-6.654	-6.654	0	%100
202	MP3C	Z	-3.842	-3.842	0	%100
203	MP3B	X	-6.654	-6.654	0	%100
204	MP3B	Z	-3.842	-3.842	0	%100
205	M185A	X	-6.304	-6.304	0	%100
206	M185A	Z	-3.639	-3.639	0	%100
207	M186	X	-6.304	-6.304	0	%100
208	M186	Z	-3.639	-3.639	0	%100
209	M187	X	-2.101	-2.101	0	%100
210	M187	Z	-1.213	-1.213	0	%100
211	M188	X	-2.101	-2.101	0	%100
212	M188	Z	-1.213	-1.213	0	%100
213	M188A	X	-6.064	-6.064	0	%100
214	M188A	Z	-3.501	-3.501	0	%100
215	M189	X	-6.304	-6.304	0	%100
216	M189	Z	-3.639	-3.639	0	%100
217	M190	X	-6.304	-6.304	0	%100
218	M190	Z	-3.639	-3.639	0	%100
219	M197	X	-2.014	-2.014	0	%100
220	M197	Z	-1.163	-1.163	0	%100
221	M196	X	-2.014	-2.014	0	%100
222	M196	Z	-1.163	-1.163	0	%100
223	M201A	X	-8.055	-8.055	0	%100
224	M201A	Z	-4.65	-4.65	0	%100
225	M212	X	-8.941	-8.941	0	%100
226	M212	Z	-5.162	-5.162	0	%100
227	M213	X	-8.941	-8.941	0	%100
228	M213	Z	-5.162	-5.162	0	%100
229	M214	X	-8.941	-8.941	0	%100
230	M214	Z	-5.162	-5.162	0	%100
231	M215	X	-8.941	-8.941	0	%100
232	M215	Z	-5.162	-5.162	0	%100
233	M216	X	-6.28	-6.28	0	%100
234	M216	Z	-3.626	-3.626	0	%100
235	M217	X	-6.28	-6.28	0	%100
236	M217	Z	-3.626	-3.626	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.668	-1.668	0	%100
2	M1	Z	-2.889	-2.889	0	%100
3	M3	X	-.607	-.607	0	%100
4	M3	Z	-1.051	-1.051	0	%100
5	M4	X	-6.672	-6.672	0	%100
6	M4	Z	-11.557	-11.557	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-1.668	-1.668	0	%100
10	M7	Z	-2.889	-2.889	0	%100
11	M9	X	-.607	-.607	0	%100
12	M9	Z	-1.051	-1.051	0	%100
13	M10	X	-10.11	-10.11	0	%100
14	M10	Z	-17.51	-17.51	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-10.11	-10.11	0	%100
18	M12	Z	-17.51	-17.51	0	%100
19	MP5B	X	-3.83	-3.83	0	%100
20	MP5B	Z	-6.634	-6.634	0	%100
21	MP5A	X	-3.83	-3.83	0	%100
22	MP5A	Z	-6.634	-6.634	0	%100
23	MP5C	X	-3.83	-3.83	0	%100
24	MP5C	Z	-6.634	-6.634	0	%100
25	M16	X	-3.639	-3.639	0	%100
26	M16	Z	-6.304	-6.304	0	%100
27	M18	X	-3.639	-3.639	0	%100
28	M18	Z	-6.304	-6.304	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-3.639	-3.639	0	%100
34	M21	Z	-6.304	-6.304	0	%100
35	M22	X	-3.639	-3.639	0	%100
36	M22	Z	-6.304	-6.304	0	%100
37	M23	X	-6.066	-6.066	0	%100
38	M23	Z	-10.506	-10.506	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-6.066	-6.066	0	%100
42	M25	Z	-10.506	-10.506	0	%100
43	M26	X	-3.639	-3.639	0	%100
44	M26	Z	-6.304	-6.304	0	%100
45	M27	X	-3.639	-3.639	0	%100
46	M27	Z	-6.304	-6.304	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-3.639	-3.639	0	%100
52	M30	Z	-6.304	-6.304	0	%100
53	M31	X	-3.639	-3.639	0	%100
54	M31	Z	-6.304	-6.304	0	%100
55	M32	X	-6.066	-6.066	0	%100
56	M32	Z	-10.506	-10.506	0	%100
57	M33	X	0	0	0	%100

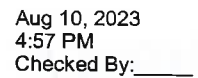


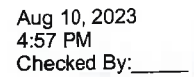
Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
58	M33	Z	0	0	0	%100
59	M34	X	-6.066	-6.066	0	%100
60	M34	Z	-10.506	-10.506	0	%100
61	M35	X	-3.639	-3.639	0	%100
62	M35	Z	-6.304	-6.304	0	%100
63	M36	X	-3.639	-3.639	0	%100
64	M36	Z	-6.304	-6.304	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	0	0	0	%100
67	M38	X	0	0	0	%100
68	M38	Z	0	0	0	%100
69	M39	X	-3.639	-3.639	0	%100
70	M39	Z	-6.304	-6.304	0	%100
71	M40	X	-3.639	-3.639	0	%100
72	M40	Z	-6.304	-6.304	0	%100
73	M41	X	-3.471	-3.471	0	%100
74	M41	Z	-6.012	-6.012	0	%100
75	M201	X	-3.471	-3.471	0	%100
76	M201	Z	-6.012	-6.012	0	%100
77	M50	X	-3.471	-3.471	0	%100
78	M50	Z	-6.012	-6.012	0	%100
79	M44	X	-3.471	-3.471	0	%100
80	M44	Z	-6.012	-6.012	0	%100
81	M45	X	-3.471	-3.471	0	%100
82	M45	Z	-6.012	-6.012	0	%100
83	M203	X	-3.471	-3.471	0	%100
84	M203	Z	-6.012	-6.012	0	%100
85	M200	X	-3.471	-3.471	0	%100
86	M200	Z	-6.012	-6.012	0	%100
87	M48	X	-3.471	-3.471	0	%100
88	M48	Z	-6.012	-6.012	0	%100
89	M49	X	-3.471	-3.471	0	%100
90	M49	Z	-6.012	-6.012	0	%100
91	M202	X	-3.471	-3.471	0	%100
92	M202	Z	-6.012	-6.012	0	%100
93	M51	X	-3.471	-3.471	0	%100
94	M51	Z	-6.012	-6.012	0	%100
95	M52	X	-3.471	-3.471	0	%100
96	M52	Z	-6.012	-6.012	0	%100
97	M53	X	-8.735	-8.735	0	%100
98	M53	Z	-15.129	-15.129	0	%100
99	M54	X	-1.692	-1.692	0	%100
100	M54	Z	-2.93	-2.93	0	%100
101	M55	X	-1.692	-1.692	0	%100
102	M55	Z	-2.93	-2.93	0	%100
103	M56	X	-6.74	-6.74	0	%100
104	M56	Z	-11.674	-11.674	0	%100
105	M57	X	-2.696	-2.696	0	%100
106	M57	Z	-4.67	-4.67	0	%100
107	M58	X	-2.696	-2.696	0	%100
108	M58	Z	-4.67	-4.67	0	%100
109	M61	X	-.154	-.154	0	%100
110	M61	Z	-.266	-.266	0	%100
111	M62	X	-.154	-.154	0	%100
112	M62	Z	-.266	-.266	0	%100
113	M67	X	-.154	-.154	0	%100
114	M67	Z	-.266	-.266	0	%100





	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
172	M152	Z	- .266	- .266	0	%100
173	M157	X	- .154	- .154	0	%100
174	M157	Z	- .266	- .266	0	%100
175	M158	X	- .154	- .154	0	%100
176	M158	Z	- .266	- .266	0	%100
177	M163	X	- .154	- .154	0	%100
178	M163	Z	- .266	- .266	0	%100
179	M164	X	- .154	- .154	0	%100
180	M164	Z	- .266	- .266	0	%100
181	MP2A	X	-3.842	-3.842	0	%100
182	MP2A	Z	-6.654	-6.654	0	%100
183	MP1A	X	-3.842	-3.842	0	%100
184	MP1A	Z	-6.654	-6.654	0	%100
185	MP4A	X	-3.842	-3.842	0	%100
186	MP4A	Z	-6.654	-6.654	0	%100
187	MP2C	X	-3.842	-3.842	0	%100
188	MP2C	Z	-6.654	-6.654	0	%100
189	MP1C	X	-3.842	-3.842	0	%100
190	MP1C	Z	-6.654	-6.654	0	%100
191	MP4C	X	-3.842	-3.842	0	%100
192	MP4C	Z	-6.654	-6.654	0	%100
193	MP2B	X	-3.842	-3.842	0	%100
194	MP2B	Z	-6.654	-6.654	0	%100
195	MP1B	X	-3.842	-3.842	0	%100
196	MP1B	Z	-6.654	-6.654	0	%100
197	MP4B	X	-3.842	-3.842	0	%100
198	MP4B	Z	-6.654	-6.654	0	%100
199	MP3A	X	-3.842	-3.842	0	%100
200	MP3A	Z	-6.654	-6.654	0	%100
201	MP3C	X	-3.842	-3.842	0	%100
202	MP3C	Z	-6.654	-6.654	0	%100
203	MP3B	X	-3.842	-3.842	0	%100
204	MP3B	Z	-6.654	-6.654	0	%100
205	M185A	X	-1.213	-1.213	0	%100
206	M185A	Z	-2.101	-2.101	0	%100
207	M186	X	-1.213	-1.213	0	%100
208	M186	Z	-2.101	-2.101	0	%100
209	M187	X	-3.639	-3.639	0	%100
210	M187	Z	-6.304	-6.304	0	%100
211	M188	X	-3.639	-3.639	0	%100
212	M188	Z	-6.304	-6.304	0	%100
213	M188A	X	-3.501	-3.501	0	%100
214	M188A	Z	-6.064	-6.064	0	%100
215	M189	X	-1.213	-1.213	0	%100
216	M189	Z	-2.101	-2.101	0	%100
217	M190	X	-1.213	-1.213	0	%100
218	M190	Z	-2.101	-2.101	0	%100
219	M197	X	-3.488	-3.488	0	%100
220	M197	Z	-6.041	-6.041	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	-3.488	-3.488	0	%100
224	M201A	Z	-6.041	-6.041	0	%100
225	M212	X	-4.138	-4.138	0	%100
226	M212	Z	-7.167	-7.167	0	%100
227	M213	X	-4.138	-4.138	0	%100
228	M213	Z	-7.167	-7.167	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.%]
229	M214	X	-5.674	-5.674	0	%100
230	M214	Z	-9.827	-9.827	0	%100
231	M215	X	-5.674	-5.674	0	%100
232	M215	Z	-9.827	-9.827	0	%100
233	M216	X	-4.138	-4.138	0	%100
234	M216	Z	-7.167	-7.167	0	%100
235	M217	X	-4.138	-4.138	0	%100
236	M217	Z	-7.167	-7.167	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	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-1.116	-1.116	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-2.7	-2.7	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-2.79	-2.79	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-2.7	-2.7	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-2.79	-2.79	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-5.964	-5.964	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	-1.491	-1.491	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	-1.491	-1.491	0	%100
19	MP5B	X	0	0	0	%100
20	MP5B	Z	-2.614	-2.614	0	%100
21	MP5A	X	0	0	0	%100
22	MP5A	Z	-2.614	-2.614	0	%100
23	MP5C	X	0	0	0	%100
24	MP5C	Z	-2.614	-2.614	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-2.444	-2.444	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-2.444	-2.444	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-6.11	-6.11	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-6.11	-6.11	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-6.11	-6.11	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-6.11	-6.11	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-4.092	-4.092	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-1.023	-1.023	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-1.023	-1.023	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-2.444	-2.444	0	%100
45	M27	X	0	0	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.%]
46	M27	Z	-2.444	-2.444	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-.611	-.611	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-.611	-.611	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-.611	-.611	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-.611	-.611	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-4.092	-4.092	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-1.023	-1.023	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-1.023	-1.023	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-2.444	-2.444	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-2.444	-2.444	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	-.611	-.611	0	%100
67	M38	X	0	0	0	%100
68	M38	Z	-.611	-.611	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	-.611	-.611	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	-.611	-.611	0	%100
73	M41	X	0	0	0	%100
74	M41	Z	-2.383	-2.383	0	%100
75	M201	X	0	0	0	%100
76	M201	Z	-2.383	-2.383	0	%100
77	M50	X	0	0	0	%100
78	M50	Z	-2.383	-2.383	0	%100
79	M44	X	0	0	0	%100
80	M44	Z	-2.383	-2.383	0	%100
81	M45	X	0	0	0	%100
82	M45	Z	-2.383	-2.383	0	%100
83	M203	X	0	0	0	%100
84	M203	Z	-2.383	-2.383	0	%100
85	M200	X	0	0	0	%100
86	M200	Z	-2.383	-2.383	0	%100
87	M48	X	0	0	0	%100
88	M48	Z	-2.383	-2.383	0	%100
89	M49	X	0	0	0	%100
90	M49	Z	-2.383	-2.383	0	%100
91	M202	X	0	0	0	%100
92	M202	Z	-2.383	-2.383	0	%100
93	M51	X	0	0	0	%100
94	M51	Z	-2.383	-2.383	0	%100
95	M52	X	0	0	0	%100
96	M52	Z	-2.383	-2.383	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	-5.328	-5.328	0	%100
99	M54	X	0	0	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	0	0	0	%100
102	M55	Z	0	0	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.%]
103	M56	X	0	0	0	%100
104	M56	Z	-2.875	-2.875	0	%100
105	M57	X	0	0	0	%100
106	M57	Z	-.626	-.626	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	-2.875	-2.875	0	%100
109	M61	X	0	0	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	0	0	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	0	0	0	%100
114	M67	Z	0	0	0	%100
115	M68	X	0	0	0	%100
116	M68	Z	0	0	0	%100
117	M73	X	0	0	0	%100
118	M73	Z	0	0	0	%100
119	M74	X	0	0	0	%100
120	M74	Z	0	0	0	%100
121	M79	X	0	0	0	%100
122	M79	Z	0	0	0	%100
123	M80	X	0	0	0	%100
124	M80	Z	0	0	0	%100
125	M85	X	0	0	0	%100
126	M85	Z	0	0	0	%100
127	M86	X	0	0	0	%100
128	M86	Z	0	0	0	%100
129	M91	X	0	0	0	%100
130	M91	Z	0	0	0	%100
131	M92	X	0	0	0	%100
132	M92	Z	0	0	0	%100
133	M97	X	0	0	0	%100
134	M97	Z	-.724	-.724	0	%100
135	M98	X	0	0	0	%100
136	M98	Z	-.724	-.724	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	-.724	-.724	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	-.724	-.724	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	-.724	-.724	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	-.724	-.724	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	-.724	-.724	0	%100
147	M116	X	0	0	0	%100
148	M116	Z	-.724	-.724	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	-.724	-.724	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	-.724	-.724	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	-.724	-.724	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	-.724	-.724	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	-.724	-.724	0	%100
159	M134	X	0	0	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.%]
160	M134	Z	- .724	- .724	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	- .724	- .724	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	- .724	- .724	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	- .724	- .724	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	- .724	- .724	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	- .724	- .724	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	- .724	- .724	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	- .724	- .724	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	- .724	- .724	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	- .724	- .724	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	- .724	- .724	0	%100
181	MP2A	X	0	0	0	%100
182	MP2A	Z	-2.618	-2.618	0	%100
183	MP1A	X	0	0	0	%100
184	MP1A	Z	-2.618	-2.618	0	%100
185	MP4A	X	0	0	0	%100
186	MP4A	Z	-2.618	-2.618	0	%100
187	MP2C	X	0	0	0	%100
188	MP2C	Z	-2.618	-2.618	0	%100
189	MP1C	X	0	0	0	%100
190	MP1C	Z	-2.618	-2.618	0	%100
191	MP4C	X	0	0	0	%100
192	MP4C	Z	-2.618	-2.618	0	%100
193	MP2B	X	0	0	0	%100
194	MP2B	Z	-2.618	-2.618	0	%100
195	MP1B	X	0	0	0	%100
196	MP1B	Z	-2.618	-2.618	0	%100
197	MP4B	X	0	0	0	%100
198	MP4B	Z	-2.618	-2.618	0	%100
199	MP3A	X	0	0	0	%100
200	MP3A	Z	-2.618	-2.618	0	%100
201	MP3C	X	0	0	0	%100
202	MP3C	Z	-2.618	-2.618	0	%100
203	MP3B	X	0	0	0	%100
204	MP3B	Z	-2.618	-2.618	0	%100
205	M185A	X	0	0	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	0	0	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	-2.434	-2.434	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	-2.434	-2.434	0	%100
213	M188A	X	0	0	0	%100
214	M188A	Z	-2.404	-2.404	0	%100
215	M189	X	0	0	0	%100
216	M189	Z	0	0	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.%]
217	M190	X	0	0	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	-2.899	-2.899	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	-.725	-.725	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	-.725	-.725	0	%100
225	M212	X	0	0	0	%100
226	M212	Z	-1.957	-1.957	0	%100
227	M213	X	0	0	0	%100
228	M213	Z	-1.957	-1.957	0	%100
229	M214	X	0	0	0	%100
230	M214	Z	-2.786	-2.786	0	%100
231	M215	X	0	0	0	%100
232	M215	Z	-2.786	-2.786	0	%100
233	M216	X	0	0	0	%100
234	M216	Z	-2.786	-2.786	0	%100
235	M217	X	0	0	0	%100
236	M217	Z	-2.786	-2.786	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	.45	.45	0	%100
2	M1	Z	-.78	-.78	0	%100
3	M3	X	.418	.418	0	%100
4	M3	Z	-.725	-.725	0	%100
5	M4	X	.45	.45	0	%100
6	M4	Z	-.78	-.78	0	%100
7	M6	X	.418	.418	0	%100
8	M6	Z	-.725	-.725	0	%100
9	M7	X	1.8	1.8	0	%100
10	M7	Z	-3.118	-3.118	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	2.237	2.237	0	%100
14	M10	Z	-3.874	-3.874	0	%100
15	M11	X	2.237	2.237	0	%100
16	M11	Z	-3.874	-3.874	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	0	0	0	%100
19	MP5B	X	1.307	1.307	0	%100
20	MP5B	Z	-2.264	-2.264	0	%100
21	MP5A	X	1.307	1.307	0	%100
22	MP5A	Z	-2.264	-2.264	0	%100
23	MP5C	X	1.307	1.307	0	%100
24	MP5C	Z	-2.264	-2.264	0	%100
25	M16	X	.916	.916	0	%100
26	M16	Z	-1.587	-1.587	0	%100
27	M18	X	.916	.916	0	%100
28	M18	Z	-1.587	-1.587	0	%100
29	M19	X	.916	.916	0	%100
30	M19	Z	-1.587	-1.587	0	%100
31	M20	X	.916	.916	0	%100
32	M20	Z	-1.587	-1.587	0	%100
33	M21	X	0	0	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
34	M21	Z	0	0	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	1.535	1.535	0	%100
38	M23	Z	-2.658	-2.658	0	%100
39	M24	X	1.535	1.535	0	%100
40	M24	Z	-2.658	-2.658	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	.916	.916	0	%100
44	M26	Z	-1.587	-1.587	0	%100
45	M27	X	.916	.916	0	%100
46	M27	Z	-1.587	-1.587	0	%100
47	M28	X	.916	.916	0	%100
48	M28	Z	-1.587	-1.587	0	%100
49	M29	X	.916	.916	0	%100
50	M29	Z	-1.587	-1.587	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	1.535	1.535	0	%100
56	M32	Z	-2.658	-2.658	0	%100
57	M33	X	1.535	1.535	0	%100
58	M33	Z	-2.658	-2.658	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	.916	.916	0	%100
62	M35	Z	-1.587	-1.587	0	%100
63	M36	X	.916	.916	0	%100
64	M36	Z	-1.587	-1.587	0	%100
65	M37	X	.916	.916	0	%100
66	M37	Z	-1.587	-1.587	0	%100
67	M38	X	.916	.916	0	%100
68	M38	Z	-1.587	-1.587	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	1.192	1.192	0	%100
74	M41	Z	-2.064	-2.064	0	%100
75	M201	X	1.192	1.192	0	%100
76	M201	Z	-2.064	-2.064	0	%100
77	M50	X	1.192	1.192	0	%100
78	M50	Z	-2.064	-2.064	0	%100
79	M44	X	1.192	1.192	0	%100
80	M44	Z	-2.064	-2.064	0	%100
81	M45	X	1.192	1.192	0	%100
82	M45	Z	-2.064	-2.064	0	%100
83	M203	X	1.192	1.192	0	%100
84	M203	Z	-2.064	-2.064	0	%100
85	M200	X	1.192	1.192	0	%100
86	M200	Z	-2.064	-2.064	0	%100
87	M48	X	1.192	1.192	0	%100
88	M48	Z	-2.064	-2.064	0	%100
89	M49	X	1.192	1.192	0	%100
90	M49	Z	-2.064	-2.064	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
91	M202	X	1.192	1.192	0	%100
92	M202	Z	-2.064	-2.064	0	%100
93	M51	X	1.192	1.192	0	%100
94	M51	Z	-2.064	-2.064	0	%100
95	M52	X	1.192	1.192	0	%100
96	M52	Z	-2.064	-2.064	0	%100
97	M53	X	1.998	1.998	0	%100
98	M53	Z	-3.461	-3.461	0	%100
99	M54	X	.454	.454	0	%100
100	M54	Z	-.787	-.787	0	%100
101	M55	X	.454	.454	0	%100
102	M55	Z	-.787	-.787	0	%100
103	M56	X	.688	.688	0	%100
104	M56	Z	-1.191	-1.191	0	%100
105	M57	X	.688	.688	0	%100
106	M57	Z	-1.191	-1.191	0	%100
107	M58	X	1.812	1.812	0	%100
108	M58	Z	-3.138	-3.138	0	%100
109	M61	X	.121	.121	0	%100
110	M61	Z	-.209	-.209	0	%100
111	M62	X	.121	.121	0	%100
112	M62	Z	-.209	-.209	0	%100
113	M67	X	.121	.121	0	%100
114	M67	Z	-.209	-.209	0	%100
115	M68	X	.121	.121	0	%100
116	M68	Z	-.209	-.209	0	%100
117	M73	X	.121	.121	0	%100
118	M73	Z	-.209	-.209	0	%100
119	M74	X	.121	.121	0	%100
120	M74	Z	-.209	-.209	0	%100
121	M79	X	.121	.121	0	%100
122	M79	Z	-.209	-.209	0	%100
123	M80	X	.121	.121	0	%100
124	M80	Z	-.209	-.209	0	%100
125	M85	X	.121	.121	0	%100
126	M85	Z	-.209	-.209	0	%100
127	M86	X	.121	.121	0	%100
128	M86	Z	-.209	-.209	0	%100
129	M91	X	.121	.121	0	%100
130	M91	Z	-.209	-.209	0	%100
131	M92	X	.121	.121	0	%100
132	M92	Z	-.209	-.209	0	%100
133	M97	X	.121	.121	0	%100
134	M97	Z	-.209	-.209	0	%100
135	M98	X	.121	.121	0	%100
136	M98	Z	-.209	-.209	0	%100
137	M103	X	.121	.121	0	%100
138	M103	Z	-.209	-.209	0	%100
139	M104	X	.121	.121	0	%100
140	M104	Z	-.209	-.209	0	%100
141	M109	X	.121	.121	0	%100
142	M109	Z	-.209	-.209	0	%100
143	M110	X	.121	.121	0	%100
144	M110	Z	-.209	-.209	0	%100
145	M115	X	.121	.121	0	%100
146	M115	Z	-.209	-.209	0	%100
147	M116	X	.121	.121	0	%100

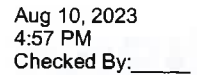


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

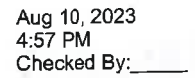
Aug 10, 2023
 4:57 PM
 Checked By: _____

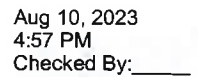
Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
148	M116	Z	-.209	-.209	0	%100
149	M121	X	.121	.121	0	%100
150	M121	Z	-.209	-.209	0	%100
151	M122	X	.121	.121	0	%100
152	M122	Z	-.209	-.209	0	%100
153	M127	X	.121	.121	0	%100
154	M127	Z	-.209	-.209	0	%100
155	M128	X	.121	.121	0	%100
156	M128	Z	-.209	-.209	0	%100
157	M133	X	.483	.483	0	%100
158	M133	Z	-.836	-.836	0	%100
159	M134	X	.483	.483	0	%100
160	M134	Z	-.836	-.836	0	%100
161	M139	X	.483	.483	0	%100
162	M139	Z	-.836	-.836	0	%100
163	M140	X	.483	.483	0	%100
164	M140	Z	-.836	-.836	0	%100
165	M145	X	.483	.483	0	%100
166	M145	Z	-.836	-.836	0	%100
167	M146	X	.483	.483	0	%100
168	M146	Z	-.836	-.836	0	%100
169	M151	X	.483	.483	0	%100
170	M151	Z	-.836	-.836	0	%100
171	M152	X	.483	.483	0	%100
172	M152	Z	-.836	-.836	0	%100
173	M157	X	.483	.483	0	%100
174	M157	Z	-.836	-.836	0	%100
175	M158	X	.483	.483	0	%100
176	M158	Z	-.836	-.836	0	%100
177	M163	X	.483	.483	0	%100
178	M163	Z	-.836	-.836	0	%100
179	M164	X	.483	.483	0	%100
180	M164	Z	-.836	-.836	0	%100
181	MP2A	X	1.309	1.309	0	%100
182	MP2A	Z	-2.267	-2.267	0	%100
183	MP1A	X	1.309	1.309	0	%100
184	MP1A	Z	-2.267	-2.267	0	%100
185	MP4A	X	1.309	1.309	0	%100
186	MP4A	Z	-2.267	-2.267	0	%100
187	MP2C	X	1.309	1.309	0	%100
188	MP2C	Z	-2.267	-2.267	0	%100
189	MP1C	X	1.309	1.309	0	%100
190	MP1C	Z	-2.267	-2.267	0	%100
191	MP4C	X	1.309	1.309	0	%100
192	MP4C	Z	-2.267	-2.267	0	%100
193	MP2B	X	1.309	1.309	0	%100
194	MP2B	Z	-2.267	-2.267	0	%100
195	MP1B	X	1.309	1.309	0	%100
196	MP1B	Z	-2.267	-2.267	0	%100
197	MP4B	X	1.309	1.309	0	%100
198	MP4B	Z	-2.267	-2.267	0	%100
199	MP3A	X	1.309	1.309	0	%100
200	MP3A	Z	-2.267	-2.267	0	%100
201	MP3C	X	1.309	1.309	0	%100
202	MP3C	Z	-2.267	-2.267	0	%100
203	MP3B	X	1.309	1.309	0	%100
204	MP3B	Z	-2.267	-2.267	0	%100



	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.339	2.339	0	%100
2	M1	Z	-1.35	-1.35	0	%100
3	M3	X	.242	.242	0	%100
4	M3	Z	-.139	-.139	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	.966	.966	0	%100
8	M6	Z	-.558	-.558	0	%100
9	M7	X	2.339	2.339	0	%100
10	M7	Z	-1.35	-1.35	0	%100
11	M9	X	.242	.242	0	%100
12	M9	Z	-.139	-.139	0	%100
13	M10	X	1.291	1.291	0	%100
14	M10	Z	-.746	-.746	0	%100
15	M11	X	5.165	5.165	0	%100
16	M11	Z	-2.982	-2.982	0	%100
17	M12	X	1.291	1.291	0	%100
18	M12	Z	-.746	-.746	0	%100
19	MP5B	X	2.264	2.264	0	%100
20	MP5B	Z	-1.307	-1.307	0	%100
21	MP5A	X	2.264	2.264	0	%100





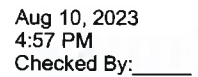


Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
4:57 PM
Checked By: _____

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.%]
136	M98	Z	0	0	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	0	0	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	0	0	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	0	0	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	0	0	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	0	0	0	%100
147	M116	X	0	0	0	%100
148	M116	Z	0	0	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	.627	.627	0	%100
158	M133	Z	-.362	-.362	0	%100
159	M134	X	.627	.627	0	%100
160	M134	Z	-.362	-.362	0	%100
161	M139	X	.627	.627	0	%100
162	M139	Z	-.362	-.362	0	%100
163	M140	X	.627	.627	0	%100
164	M140	Z	-.362	-.362	0	%100
165	M145	X	.627	.627	0	%100
166	M145	Z	-.362	-.362	0	%100
167	M146	X	.627	.627	0	%100
168	M146	Z	-.362	-.362	0	%100
169	M151	X	.627	.627	0	%100
170	M151	Z	-.362	-.362	0	%100
171	M152	X	.627	.627	0	%100
172	M152	Z	-.362	-.362	0	%100
173	M157	X	.627	.627	0	%100
174	M157	Z	-.362	-.362	0	%100
175	M158	X	.627	.627	0	%100
176	M158	Z	-.362	-.362	0	%100
177	M163	X	.627	.627	0	%100
178	M163	Z	-.362	-.362	0	%100
179	M164	X	.627	.627	0	%100
180	M164	Z	-.362	-.362	0	%100
181	MP2A	X	2.267	2.267	0	%100
182	MP2A	Z	-1.309	-1.309	0	%100
183	MP1A	X	2.267	2.267	0	%100
184	MP1A	Z	-1.309	-1.309	0	%100
185	MP4A	X	2.267	2.267	0	%100
186	MP4A	Z	-1.309	-1.309	0	%100
187	MP2C	X	2.267	2.267	0	%100
188	MP2C	Z	-1.309	-1.309	0	%100
189	MP1C	X	2.267	2.267	0	%100
190	MP1C	Z	-1.309	-1.309	0	%100
191	MP4C	X	2.267	2.267	0	%100
192	MP4C	Z	-1.309	-1.309	0	%100



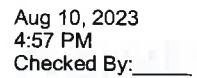


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
10	M7	Z	0	0	0	%100
11	M9	X	.837	.837	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	4.473	4.473	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	4.473	4.473	0	%100
18	M12	Z	0	0	0	%100
19	MP5B	X	2.614	2.614	0	%100
20	MP5B	Z	0	0	0	%100
21	MP5A	X	2.614	2.614	0	%100
22	MP5A	Z	0	0	0	%100
23	MP5C	X	2.614	2.614	0	%100
24	MP5C	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	1.833	1.833	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	1.833	1.833	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	1.833	1.833	0	%100
34	M21	Z	- 0	0	0	%100
35	M22	X	1.833	1.833	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	3.069	3.069	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	3.069	3.069	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	1.833	1.833	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	1.833	1.833	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	1.833	1.833	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	1.833	1.833	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	3.069	3.069	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	3.069	3.069	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	0	0	0	%100
65	M37	X	1.833	1.833	0	%100
66	M37	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
124	M80	Z	0	0	0	%100
125	M85	X	.965	.965	0	%100
126	M85	Z	0	0	0	%100
127	M86	X	.965	.965	0	%100
128	M86	Z	0	0	0	%100
129	M91	X	.965	.965	0	%100
130	M91	Z	0	0	0	%100
131	M92	X	.965	.965	0	%100
132	M92	Z	0	0	0	%100
133	M97	X	.241	.241	0	%100
134	M97	Z	0	0	0	%100
135	M98	X	.241	.241	0	%100
136	M98	Z	0	0	0	%100
137	M103	X	.241	.241	0	%100
138	M103	Z	0	0	0	%100
139	M104	X	.241	.241	0	%100
140	M104	Z	0	0	0	%100
141	M109	X	.241	.241	0	%100
142	M109	Z	0	0	0	%100
143	M110	X	.241	.241	0	%100
144	M110	Z	0	0	0	%100
145	M115	X	.241	.241	0	%100
146	M115	Z	0	0	0	%100
147	M116	X	.241	.241	0	%100
148	M116	Z	0	0	0	%100
149	M121	X	.241	.241	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	.241	.241	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	.241	.241	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	.241	.241	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	.241	.241	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	.241	.241	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	.241	.241	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	.241	.241	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	.241	.241	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	.241	.241	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	.241	.241	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	.241	.241	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	.241	.241	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	.241	.241	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	.241	.241	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	.241	.241	0	%100
180	M164	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
181	MP2A	X	2.618	2.618	0	%100
182	MP2A	Z	0	0	0	%100
183	MP1A	X	2.618	2.618	0	%100
184	MP1A	Z	0	0	0	%100
185	MP4A	X	2.618	2.618	0	%100
186	MP4A	Z	0	0	0	%100
187	MP2C	X	2.618	2.618	0	%100
188	MP2C	Z	0	0	0	%100
189	MP1C	X	2.618	2.618	0	%100
190	MP1C	Z	0	0	0	%100
191	MP4C	X	2.618	2.618	0	%100
192	MP4C	Z	0	0	0	%100
193	MP2B	X	2.618	2.618	0	%100
194	MP2B	Z	0	0	0	%100
195	MP1B	X	2.618	2.618	0	%100
196	MP1B	Z	0	0	0	%100
197	MP4B	X	2.618	2.618	0	%100
198	MP4B	Z	0	0	0	%100
199	MP3A	X	2.618	2.618	0	%100
200	MP3A	Z	0	0	0	%100
201	MP3C	X	2.618	2.618	0	%100
202	MP3C	Z	0	0	0	%100
203	MP3B	X	2.618	2.618	0	%100
204	MP3B	Z	0	0	0	%100
205	M185A	X	2.434	2.434	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	2.434	2.434	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	0	0	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	0	0	0	%100
213	M188A	X	2.404	2.404	0	%100
214	M188A	Z	0	0	0	%100
215	M189	X	2.434	2.434	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	2.434	2.434	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	0	0	0	%100
221	M196	X	2.174	2.174	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	2.174	2.174	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	3.063	3.063	0	%100
226	M212	Z	0	0	0	%100
227	M213	X	3.063	3.063	0	%100
228	M213	Z	0	0	0	%100
229	M214	X	2.234	2.234	0	%100
230	M214	Z	0	0	0	%100
231	M215	X	2.234	2.234	0	%100
232	M215	Z	0	0	0	%100
233	M216	X	2.234	2.234	0	%100
234	M216	Z	0	0	0	%100
235	M217	X	2.234	2.234	0	%100
236	M217	Z	0	0	0	%100

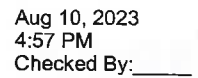


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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	2.339	2.339	0	%100
2	M1	Z	1.35	1.35	0	%100
3	M3	X	.242	.242	0	%100
4	M3	Z	.139	.139	0	%100
5	M4	X	2.339	2.339	0	%100
6	M4	Z	1.35	1.35	0	%100
7	M6	X	.242	.242	0	%100
8	M6	Z	.139	.139	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M9	X	.966	.966	0	%100
12	M9	Z	.558	.558	0	%100
13	M10	X	1.291	1.291	0	%100
14	M10	Z	.746	.746	0	%100
15	M11	X	1.291	1.291	0	%100
16	M11	Z	.746	.746	0	%100
17	M12	X	5.165	5.165	0	%100
18	M12	Z	2.982	2.982	0	%100
19	MP5B	X	2.264	2.264	0	%100
20	MP5B	Z	1.307	1.307	0	%100
21	MP5A	X	2.264	2.264	0	%100
22	MP5A	Z	1.307	1.307	0	%100
23	MP5C	X	2.264	2.264	0	%100
24	MP5C	Z	1.307	1.307	0	%100
25	M16	X	.529	.529	0	%100
26	M16	Z	.305	.305	0	%100
27	M18	X	.529	.529	0	%100
28	M18	Z	.305	.305	0	%100
29	M19	X	.529	.529	0	%100
30	M19	Z	.305	.305	0	%100
31	M20	X	.529	.529	0	%100
32	M20	Z	.305	.305	0	%100
33	M21	X	2.116	2.116	0	%100
34	M21	Z	1.222	1.222	0	%100
35	M22	X	2.116	2.116	0	%100
36	M22	Z	1.222	1.222	0	%100
37	M23	X	.886	.886	0	%100
38	M23	Z	.512	.512	0	%100
39	M24	X	.886	.886	0	%100
40	M24	Z	.512	.512	0	%100
41	M25	X	3.544	3.544	0	%100
42	M25	Z	2.046	2.046	0	%100
43	M26	X	.529	.529	0	%100
44	M26	Z	.305	.305	0	%100
45	M27	X	.529	.529	0	%100
46	M27	Z	.305	.305	0	%100
47	M28	X	.529	.529	0	%100
48	M28	Z	.305	.305	0	%100
49	M29	X	.529	.529	0	%100
50	M29	Z	.305	.305	0	%100
51	M30	X	2.116	2.116	0	%100
52	M30	Z	1.222	1.222	0	%100
53	M31	X	2.116	2.116	0	%100
54	M31	Z	1.222	1.222	0	%100
55	M32	X	.886	.886	0	%100
56	M32	Z	.512	.512	0	%100
57	M33	X	.886	.886	0	%100





Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
4:57 PM
Checked By: _____

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.%]
115	M68	X	.627	.627	0	%100
116	M68	Z	.362	.362	0	%100
117	M73	X	.627	.627	0	%100
118	M73	Z	.362	.362	0	%100
119	M74	X	.627	.627	0	%100
120	M74	Z	.362	.362	0	%100
121	M79	X	.627	.627	0	%100
122	M79	Z	.362	.362	0	%100
123	M80	X	.627	.627	0	%100
124	M80	Z	.362	.362	0	%100
125	M85	X	.627	.627	0	%100
126	M85	Z	.362	.362	0	%100
127	M86	X	.627	.627	0	%100
128	M86	Z	.362	.362	0	%100
129	M91	X	.627	.627	0	%100
130	M91	Z	.362	.362	0	%100
131	M92	X	.627	.627	0	%100
132	M92	Z	.362	.362	0	%100
133	M97	X	.627	.627	0	%100
134	M97	Z	.362	.362	0	%100
135	M98	X	.627	.627	0	%100
136	M98	Z	.362	.362	0	%100
137	M103	X	.627	.627	0	%100
138	M103	Z	.362	.362	0	%100
139	M104	X	.627	.627	0	%100
140	M104	Z	.362	.362	0	%100
141	M109	X	.627	.627	0	%100
142	M109	Z	.362	.362	0	%100
143	M110	X	.627	.627	0	%100
144	M110	Z	.362	.362	0	%100
145	M115	X	.627	.627	0	%100
146	M115	Z	.362	.362	0	%100
147	M116	X	.627	.627	0	%100
148	M116	Z	.362	.362	0	%100
149	M121	X	.627	.627	0	%100
150	M121	Z	.362	.362	0	%100
151	M122	X	.627	.627	0	%100
152	M122	Z	.362	.362	0	%100
153	M127	X	.627	.627	0	%100
154	M127	Z	.362	.362	0	%100
155	M128	X	.627	.627	0	%100
156	M128	Z	.362	.362	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	0	0	0	%100

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

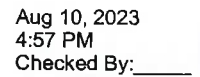
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
172	M152	Z	0	0	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	2.267	2.267	0	%100
182	MP2A	Z	1.309	1.309	0	%100
183	MP1A	X	2.267	2.267	0	%100
184	MP1A	Z	1.309	1.309	0	%100
185	MP4A	X	2.267	2.267	0	%100
186	MP4A	Z	1.309	1.309	0	%100
187	MP2C	X	2.267	2.267	0	%100
188	MP2C	Z	1.309	1.309	0	%100
189	MP1C	X	2.267	2.267	0	%100
190	MP1C	Z	1.309	1.309	0	%100
191	MP4C	X	2.267	2.267	0	%100
192	MP4C	Z	1.309	1.309	0	%100
193	MP2B	X	2.267	2.267	0	%100
194	MP2B	Z	1.309	1.309	0	%100
195	MP1B	X	2.267	2.267	0	%100
196	MP1B	Z	1.309	1.309	0	%100
197	MP4B	X	2.267	2.267	0	%100
198	MP4B	Z	1.309	1.309	0	%100
199	MP3A	X	2.267	2.267	0	%100
200	MP3A	Z	1.309	1.309	0	%100
201	MP3C	X	2.267	2.267	0	%100
202	MP3C	Z	1.309	1.309	0	%100
203	MP3B	X	2.267	2.267	0	%100
204	MP3B	Z	1.309	1.309	0	%100
205	M185A	X	1.581	1.581	0	%100
206	M185A	Z	.913	.913	0	%100
207	M186	X	1.581	1.581	0	%100
208	M186	Z	.913	.913	0	%100
209	M187	X	.527	.527	0	%100
210	M187	Z	.304	.304	0	%100
211	M188	X	.527	.527	0	%100
212	M188	Z	.304	.304	0	%100
213	M188A	X	2.082	2.082	0	%100
214	M188A	Z	1.202	1.202	0	%100
215	M189	X	1.581	1.581	0	%100
216	M189	Z	.913	.913	0	%100
217	M190	X	1.581	1.581	0	%100
218	M190	Z	.913	.913	0	%100
219	M197	X	.628	.628	0	%100
220	M197	Z	.362	.362	0	%100
221	M196	X	.628	.628	0	%100
222	M196	Z	.362	.362	0	%100
223	M201A	X	2.51	2.51	0	%100
224	M201A	Z	1.449	1.449	0	%100
225	M212	X	2.413	2.413	0	%100
226	M212	Z	1.393	1.393	0	%100
227	M213	X	2.413	2.413	0	%100
228	M213	Z	1.393	1.393	0	%100

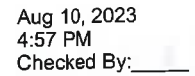
Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
229	M214	X	2.413	2.413	0	%100
230	M214	Z	1.393	1.393	0	%100
231	M215	X	2.413	2.413	0	%100
232	M215	Z	1.393	1.393	0	%100
233	M216	X	1.695	1.695	0	%100
234	M216	Z	.979	.979	0	%100
235	M217	X	1.695	1.695	0	%100
236	M217	Z	.979	.979	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	.45	.45	0	%100
2	M1	Z	.78	.78	0	%100
3	M3	X	.418	.418	0	%100
4	M3	Z	.725	.725	0	%100
5	M4	X	1.8	1.8	0	%100
6	M4	Z	3.118	3.118	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.45	.45	0	%100
10	M7	Z	.78	.78	0	%100
11	M9	X	.418	.418	0	%100
12	M9	Z	.725	.725	0	%100
13	M10	X	2.237	2.237	0	%100
14	M10	Z	3.874	3.874	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	2.237	2.237	0	%100
18	M12	Z	3.874	3.874	0	%100
19	MP5B	X	1.307	1.307	0	%100
20	MP5B	Z	2.264	2.264	0	%100
21	MP5A	X	1.307	1.307	0	%100
22	MP5A	Z	2.264	2.264	0	%100
23	MP5C	X	1.307	1.307	0	%100
24	MP5C	Z	2.264	2.264	0	%100
25	M16	X	.916	.916	0	%100
26	M16	Z	1.587	1.587	0	%100
27	M18	X	.916	.916	0	%100
28	M18	Z	1.587	1.587	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.916	.916	0	%100
34	M21	Z	1.587	1.587	0	%100
35	M22	X	.916	.916	0	%100
36	M22	Z	1.587	1.587	0	%100
37	M23	X	1.535	1.535	0	%100
38	M23	Z	2.658	2.658	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	1.535	1.535	0	%100
42	M25	Z	2.658	2.658	0	%100
43	M26	X	.916	.916	0	%100
44	M26	Z	1.587	1.587	0	%100
45	M27	X	.916	.916	0	%100







Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

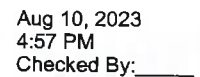
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
160	M134	Z	.209	.209	0	%100
161	M139	X	.121	.121	0	%100
162	M139	Z	.209	.209	0	%100
163	M140	X	.121	.121	0	%100
164	M140	Z	.209	.209	0	%100
165	M145	X	.121	.121	0	%100
166	M145	Z	.209	.209	0	%100
167	M146	X	.121	.121	0	%100
168	M146	Z	.209	.209	0	%100
169	M151	X	.121	.121	0	%100
170	M151	Z	.209	.209	0	%100
171	M152	X	.121	.121	0	%100
172	M152	Z	.209	.209	0	%100
173	M157	X	.121	.121	0	%100
174	M157	Z	.209	.209	0	%100
175	M158	X	.121	.121	0	%100
176	M158	Z	.209	.209	0	%100
177	M163	X	.121	.121	0	%100
178	M163	Z	.209	.209	0	%100
179	M164	X	.121	.121	0	%100
180	M164	Z	.209	.209	0	%100
181	MP2A	X	1.309	1.309	0	%100
182	MP2A	Z	2.267	2.267	0	%100
183	MP1A	X	1.309	1.309	0	%100
184	MP1A	Z	2.267	2.267	0	%100
185	MP4A	X	1.309	1.309	0	%100
186	MP4A	Z	2.267	2.267	0	%100
187	MP2C	X	1.309	1.309	0	%100
188	MP2C	Z	2.267	2.267	0	%100
189	MP1C	X	1.309	1.309	0	%100
190	MP1C	Z	2.267	2.267	0	%100
191	MP4C	X	1.309	1.309	0	%100
192	MP4C	Z	2.267	2.267	0	%100
193	MP2B	X	1.309	1.309	0	%100
194	MP2B	Z	2.267	2.267	0	%100
195	MP1B	X	1.309	1.309	0	%100
196	MP1B	Z	2.267	2.267	0	%100
197	MP4B	X	1.309	1.309	0	%100
198	MP4B	Z	2.267	2.267	0	%100
199	MP3A	X	1.309	1.309	0	%100
200	MP3A	Z	2.267	2.267	0	%100
201	MP3C	X	1.309	1.309	0	%100
202	MP3C	Z	2.267	2.267	0	%100
203	MP3B	X	1.309	1.309	0	%100
204	MP3B	Z	2.267	2.267	0	%100
205	M185A	X	.304	.304	0	%100
206	M185A	Z	.527	.527	0	%100
207	M186	X	.304	.304	0	%100
208	M186	Z	.527	.527	0	%100
209	M187	X	.913	.913	0	%100
210	M187	Z	1.581	1.581	0	%100
211	M188	X	.913	.913	0	%100
212	M188	Z	1.581	1.581	0	%100
213	M188A	X	1.202	1.202	0	%100
214	M188A	Z	2.082	2.082	0	%100
215	M189	X	.304	.304	0	%100
216	M189	Z	.527	.527	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.%]
217	M190	X	.304	.304	0	%100
218	M190	Z	.527	.527	0	%100
219	M197	X	1.087	1.087	0	%100
220	M197	Z	1.883	1.883	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	1.087	1.087	0	%100
224	M201A	Z	1.883	1.883	0	%100
225	M212	X	1.117	1.117	0	%100
226	M212	Z	1.934	1.934	0	%100
227	M213	X	1.117	1.117	0	%100
228	M213	Z	1.934	1.934	0	%100
229	M214	X	1.531	1.531	0	%100
230	M214	Z	2.653	2.653	0	%100
231	M215	X	1.531	1.531	0	%100
232	M215	Z	2.653	2.653	0	%100
233	M216	X	1.117	1.117	0	%100
234	M216	Z	1.934	1.934	0	%100
235	M217	X	1.117	1.117	0	%100
236	M217	Z	1.934	1.934	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	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	1.116	1.116	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	2.7	2.7	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.279	.279	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	2.7	2.7	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.279	.279	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	5.964	5.964	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	1.491	1.491	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	1.491	1.491	0	%100
19	MP5B	X	0	0	0	%100
20	MP5B	Z	2.614	2.614	0	%100
21	MP5A	X	0	0	0	%100
22	MP5A	Z	2.614	2.614	0	%100
23	MP5C	X	0	0	0	%100
24	MP5C	Z	2.614	2.614	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	2.444	2.444	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	2.444	2.444	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.611	.611	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	.611	.611	0	%100
33	M21	X	0	0	0	%100



RISA-3D Version 17.0.4 [.....]Rev. 01RISA15000386107-VZW MT LO H.r3d] Page 201



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

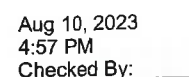
Aug 10, 2023
 4:57 PM
 Checked By: _____

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

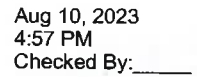
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
91	M202	X	0	0	0	%100
92	M202	Z	2.383	2.383	0	%100
93	M51	X	0	0	0	%100
94	M51	Z	2.383	2.383	0	%100
95	M52	X	0	0	0	%100
96	M52	Z	2.383	2.383	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	5.328	5.328	0	%100
99	M54	X	0	0	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	0	0	0	%100
102	M55	Z	0	0	0	%100
103	M56	X	0	0	0	%100
104	M56	Z	2.875	2.875	0	%100
105	M57	X	0	0	0	%100
106	M57	Z	.626	.626	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	2.875	2.875	0	%100
109	M61	X	0	0	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	0	0	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	0	0	0	%100
114	M67	Z	0	0	0	%100
115	M68	X	0	0	0	%100
116	M68	Z	0	0	0	%100
117	M73	X	0	0	0	%100
118	M73	Z	0	0	0	%100
119	M74	X	0	0	0	%100
120	M74	Z	0	0	0	%100
121	M79	X	0	0	0	%100
122	M79	Z	0	0	0	%100
123	M80	X	0	0	0	%100
124	M80	Z	0	0	0	%100
125	M85	X	0	0	0	%100
126	M85	Z	0	0	0	%100
127	M86	X	0	0	0	%100
128	M86	Z	0	0	0	%100
129	M91	X	0	0	0	%100
130	M91	Z	0	0	0	%100
131	M92	X	0	0	0	%100
132	M92	Z	0	0	0	%100
133	M97	X	0	0	0	%100
134	M97	Z	.724	.724	0	%100
135	M98	X	0	0	0	%100
136	M98	Z	.724	.724	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	.724	.724	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	.724	.724	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	.724	.724	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	.724	.724	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	.724	.724	0	%100
147	M116	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. %)
148	M116	Z	.724	.724	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	.724	.724	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	.724	.724	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	.724	.724	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	.724	.724	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	.724	.724	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	.724	.724	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	.724	.724	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	.724	.724	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	.724	.724	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	.724	.724	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	.724	.724	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	.724	.724	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	.724	.724	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	.724	.724	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	.724	.724	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	.724	.724	0	%100
181	MP2A	X	0	0	0	%100
182	MP2A	Z	2.618	2.618	0	%100
183	MP1A	X	0	0	0	%100
184	MP1A	Z	2.618	2.618	0	%100
185	MP4A	X	0	0	0	%100
186	MP4A	Z	2.618	2.618	0	%100
187	MP2C	X	0	0	0	%100
188	MP2C	Z	2.618	2.618	0	%100
189	MP1C	X	0	0	0	%100
190	MP1C	Z	2.618	2.618	0	%100
191	MP4C	X	0	0	0	%100
192	MP4C	Z	2.618	2.618	0	%100
193	MP2B	X	0	0	0	%100
194	MP2B	Z	2.618	2.618	0	%100
195	MP1B	X	0	0	0	%100
196	MP1B	Z	2.618	2.618	0	%100
197	MP4B	X	0	0	0	%100
198	MP4B	Z	2.618	2.618	0	%100
199	MP3A	X	0	0	0	%100
200	MP3A	Z	2.618	2.618	0	%100
201	MP3C	X	0	0	0	%100
202	MP3C	Z	2.618	2.618	0	%100
203	MP3B	X	0	0	0	%100
204	MP3B	Z	2.618	2.618	0	%100



RISA-3D Version 17.0.4 [\\...\\...\\Rev. 0\\RISA\\5000386107-VZW_MT_LO_H.r3d] Page 204





Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
79	M44	X	-1.192	-1.192	0	%100
80	M44	Z	2.064	2.064	0	%100
81	M45	X	-1.192	-1.192	0	%100
82	M45	Z	2.064	2.064	0	%100
83	M203	X	-1.192	-1.192	0	%100
84	M203	Z	2.064	2.064	0	%100
85	M200	X	-1.192	-1.192	0	%100
86	M200	Z	2.064	2.064	0	%100
87	M48	X	-1.192	-1.192	0	%100
88	M48	Z	2.064	2.064	0	%100
89	M49	X	-1.192	-1.192	0	%100
90	M49	Z	2.064	2.064	0	%100
91	M202	X	-1.192	-1.192	0	%100
92	M202	Z	2.064	2.064	0	%100
93	M51	X	-1.192	-1.192	0	%100
94	M51	Z	2.064	2.064	0	%100
95	M52	X	-1.192	-1.192	0	%100
96	M52	Z	2.064	2.064	0	%100
97	M53	X	-1.998	-1.998	0	%100
98	M53	Z	3.461	3.461	0	%100
99	M54	X	-.454	-.454	0	%100
100	M54	Z	.787	.787	0	%100
101	M55	X	-.454	-.454	0	%100
102	M55	Z	.787	.787	0	%100
103	M56	X	-.688	-.688	0	%100
104	M56	Z	1.191	1.191	0	%100
105	M57	X	-.688	-.688	0	%100
106	M57	Z	1.191	1.191	0	%100
107	M58	X	-1.812	-1.812	0	%100
108	M58	Z	3.138	3.138	0	%100
109	M61	X	-.121	-.121	0	%100
110	M61	Z	.209	.209	0	%100
111	M62	X	-.121	-.121	0	%100
112	M62	Z	.209	.209	0	%100
113	M67	X	-.121	-.121	0	%100
114	M67	Z	.209	.209	0	%100
115	M68	X	-.121	-.121	0	%100
116	M68	Z	.209	.209	0	%100
117	M73	X	-.121	-.121	0	%100
118	M73	Z	.209	.209	0	%100
119	M74	X	-.121	-.121	0	%100
120	M74	Z	.209	.209	0	%100
121	M79	X	-.121	-.121	0	%100
122	M79	Z	.209	.209	0	%100
123	M80	X	-.121	-.121	0	%100
124	M80	Z	.209	.209	0	%100
125	M85	X	-.121	-.121	0	%100
126	M85	Z	.209	.209	0	%100
127	M86	X	-.121	-.121	0	%100
128	M86	Z	.209	.209	0	%100
129	M91	X	-.121	-.121	0	%100
130	M91	Z	.209	.209	0	%100
131	M92	X	-.121	-.121	0	%100
132	M92	Z	.209	.209	0	%100
133	M97	X	-.121	-.121	0	%100
134	M97	Z	.209	.209	0	%100
135	M98	X	-.121	-.121	0	%100

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.%]
136	M98	Z	.209	.209	0	%100
137	M103	X	-.121	-.121	0	%100
138	M103	Z	.209	.209	0	%100
139	M104	X	-.121	-.121	0	%100
140	M104	Z	.209	.209	0	%100
141	M109	X	-.121	-.121	0	%100
142	M109	Z	.209	.209	0	%100
143	M110	X	-.121	-.121	0	%100
144	M110	Z	.209	.209	0	%100
145	M115	X	-.121	-.121	0	%100
146	M115	Z	.209	.209	0	%100
147	M116	X	-.121	-.121	0	%100
148	M116	Z	.209	.209	0	%100
149	M121	X	-.121	-.121	0	%100
150	M121	Z	.209	.209	0	%100
151	M122	X	-.121	-.121	0	%100
152	M122	Z	.209	.209	0	%100
153	M127	X	-.121	-.121	0	%100
154	M127	Z	.209	.209	0	%100
155	M128	X	-.121	-.121	0	%100
156	M128	Z	.209	.209	0	%100
157	M133	X	-.483	-.483	0	%100
158	M133	Z	.836	.836	0	%100
159	M134	X	-.483	-.483	0	%100
160	M134	Z	.836	.836	0	%100
161	M139	X	-.483	-.483	0	%100
162	M139	Z	.836	.836	0	%100
163	M140	X	-.483	-.483	0	%100
164	M140	Z	.836	.836	0	%100
165	M145	X	-.483	-.483	0	%100
166	M145	Z	.836	.836	0	%100
167	M146	X	-.483	-.483	0	%100
168	M146	Z	.836	.836	0	%100
169	M151	X	-.483	-.483	0	%100
170	M151	Z	.836	.836	0	%100
171	M152	X	-.483	-.483	0	%100
172	M152	Z	.836	.836	0	%100
173	M157	X	-.483	-.483	0	%100
174	M157	Z	.836	.836	0	%100
175	M158	X	-.483	-.483	0	%100
176	M158	Z	.836	.836	0	%100
177	M163	X	-.483	-.483	0	%100
178	M163	Z	.836	.836	0	%100
179	M164	X	-.483	-.483	0	%100
180	M164	Z	.836	.836	0	%100
181	MP2A	X	-1.309	-1.309	0	%100
182	MP2A	Z	2.267	2.267	0	%100
183	MP1A	X	-1.309	-1.309	0	%100
184	MP1A	Z	2.267	2.267	0	%100
185	MP4A	X	-1.309	-1.309	0	%100
186	MP4A	Z	2.267	2.267	0	%100
187	MP2C	X	-1.309	-1.309	0	%100
188	MP2C	Z	2.267	2.267	0	%100
189	MP1C	X	-1.309	-1.309	0	%100
190	MP1C	Z	2.267	2.267	0	%100
191	MP4C	X	-1.309	-1.309	0	%100
192	MP4C	Z	2.267	2.267	0	%100

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.%]
193	MP2B	X	-1.309	-1.309	0	%100
194	MP2B	Z	2.267	2.267	0	%100
195	MP1B	X	-1.309	-1.309	0	%100
196	MP1B	Z	2.267	2.267	0	%100
197	MP4B	X	-1.309	-1.309	0	%100
198	MP4B	Z	2.267	2.267	0	%100
199	MP3A	X	-1.309	-1.309	0	%100
200	MP3A	Z	2.267	2.267	0	%100
201	MP3C	X	-1.309	-1.309	0	%100
202	MP3C	Z	2.267	2.267	0	%100
203	MP3B	X	-1.309	-1.309	0	%100
204	MP3B	Z	2.267	2.267	0	%100
205	M185A	X	-.304	-.304	0	%100
206	M185A	Z	.527	.527	0	%100
207	M186	X	-.304	-.304	0	%100
208	M186	Z	.527	.527	0	%100
209	M187	X	-.913	-.913	0	%100
210	M187	Z	1.581	1.581	0	%100
211	M188	X	-.913	-.913	0	%100
212	M188	Z	1.581	1.581	0	%100
213	M188A	X	-1.202	-1.202	0	%100
214	M188A	Z	2.082	2.082	0	%100
215	M189	X	-.304	-.304	0	%100
216	M189	Z	.527	.527	0	%100
217	M190	X	-.304	-.304	0	%100
218	M190	Z	.527	.527	0	%100
219	M197	X	-1.087	-1.087	0	%100
220	M197	Z	1.883	1.883	0	%100
221	M196	X	-1.087	-1.087	0	%100
222	M196	Z	1.883	1.883	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	-1.117	-1.117	0	%100
226	M212	Z	1.934	1.934	0	%100
227	M213	X	-1.117	-1.117	0	%100
228	M213	Z	1.934	1.934	0	%100
229	M214	X	-1.117	-1.117	0	%100
230	M214	Z	1.934	1.934	0	%100
231	M215	X	-1.117	-1.117	0	%100
232	M215	Z	1.934	1.934	0	%100
233	M216	X	-1.531	-1.531	0	%100
234	M216	Z	2.653	2.653	0	%100
235	M217	X	-1.531	-1.531	0	%100
236	M217	Z	2.653	2.653	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	-2.339	-2.339	0	%100
2	M1	Z	1.35	1.35	0	%100
3	M3	X	-.242	-.242	0	%100
4	M3	Z	.139	.139	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	-.966	-.966	0	%100
8	M6	Z	.558	.558	0	%100
9	M7	X	-2.339	-2.339	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.%]
10	M7	Z	1.35	1.35	0	%100
11	M9	X	-.242	-.242	0	%100
12	M9	Z	.139	.139	0	%100
13	M10	X	-1.291	-1.291	0	%100
14	M10	Z	.746	.746	0	%100
15	M11	X	-5.165	-5.165	0	%100
16	M11	Z	2.982	2.982	0	%100
17	M12	X	-1.291	-1.291	0	%100
18	M12	Z	.746	.746	0	%100
19	MP5B	X	-2.264	-2.264	0	%100
20	MP5B	Z	1.307	1.307	0	%100
21	MP5A	X	-2.264	-2.264	0	%100
22	MP5A	Z	1.307	1.307	0	%100
23	MP5C	X	-2.264	-2.264	0	%100
24	MP5C	Z	1.307	1.307	0	%100
25	M16	X	-.529	-.529	0	%100
26	M16	Z	.305	.305	0	%100
27	M18	X	-.529	-.529	0	%100
28	M18	Z	.305	.305	0	%100
29	M19	X	-2.116	-2.116	0	%100
30	M19	Z	1.222	1.222	0	%100
31	M20	X	-2.116	-2.116	0	%100
32	M20	Z	1.222	1.222	0	%100
33	M21	X	-.529	-.529	0	%100
34	M21	Z	.305	.305	0	%100
35	M22	X	-.529	-.529	0	%100
36	M22	Z	.305	.305	0	%100
37	M23	X	-.886	-.886	0	%100
38	M23	Z	.512	.512	0	%100
39	M24	X	-3.544	-3.544	0	%100
40	M24	Z	2.046	2.046	0	%100
41	M25	X	-.886	-.886	0	%100
42	M25	Z	.512	.512	0	%100
43	M26	X	-.529	-.529	0	%100
44	M26	Z	.305	.305	0	%100
45	M27	X	-.529	-.529	0	%100
46	M27	Z	.305	.305	0	%100
47	M28	X	-2.116	-2.116	0	%100
48	M28	Z	1.222	1.222	0	%100
49	M29	X	-2.116	-2.116	0	%100
50	M29	Z	1.222	1.222	0	%100
51	M30	X	-.529	-.529	0	%100
52	M30	Z	.305	.305	0	%100
53	M31	X	-.529	-.529	0	%100
54	M31	Z	.305	.305	0	%100
55	M32	X	-.886	-.886	0	%100
56	M32	Z	.512	.512	0	%100
57	M33	X	-3.544	-3.544	0	%100
58	M33	Z	2.046	2.046	0	%100
59	M34	X	-.886	-.886	0	%100
60	M34	Z	.512	.512	0	%100
61	M35	X	-.529	-.529	0	%100
62	M35	Z	.305	.305	0	%100
63	M36	X	-.529	-.529	0	%100
64	M36	Z	.305	.305	0	%100
65	M37	X	-2.116	-2.116	0	%100
66	M37	Z	1.222	1.222	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
67	M38	X	-2.116	-2.116	0	%100
68	M38	Z	1.222	1.222	0	%100
69	M39	X	-.529	-.529	0	%100
70	M39	Z	.305	.305	0	%100
71	M40	X	-.529	-.529	0	%100
72	M40	Z	.305	.305	0	%100
73	M41	X	-2.064	-2.064	0	%100
74	M41	Z	1.192	1.192	0	%100
75	M201	X	-2.064	-2.064	0	%100
76	M201	Z	1.192	1.192	0	%100
77	M50	X	-2.064	-2.064	0	%100
78	M50	Z	1.192	1.192	0	%100
79	M44	X	-2.064	-2.064	0	%100
80	M44	Z	1.192	1.192	0	%100
81	M45	X	-2.064	-2.064	0	%100
82	M45	Z	1.192	1.192	0	%100
83	M203	X	-2.064	-2.064	0	%100
84	M203	Z	1.192	1.192	0	%100
85	M200	X	-2.064	-2.064	0	%100
86	M200	Z	1.192	1.192	0	%100
87	M48	X	-2.064	-2.064	0	%100
88	M48	Z	1.192	1.192	0	%100
89	M49	X	-2.064	-2.064	0	%100
90	M49	Z	1.192	1.192	0	%100
91	M202	X	-2.064	-2.064	0	%100
92	M202	Z	1.192	1.192	0	%100
93	M51	X	-2.064	-2.064	0	%100
94	M51	Z	1.192	1.192	0	%100
95	M52	X	-2.064	-2.064	0	%100
96	M52	Z	1.192	1.192	0	%100
97	M53	X	-1.154	-1.154	0	%100
98	M53	Z	.666	.666	0	%100
99	M54	X	-2.36	-2.36	0	%100
100	M54	Z	1.363	1.363	0	%100
101	M55	X	-2.36	-2.36	0	%100
102	M55	Z	1.363	1.363	0	%100
103	M56	X	-.542	-.542	0	%100
104	M56	Z	.313	.313	0	%100
105	M57	X	-2.489	-2.489	0	%100
106	M57	Z	1.437	1.437	0	%100
107	M58	X	-2.489	-2.489	0	%100
108	M58	Z	1.437	1.437	0	%100
109	M61	X	-.627	-.627	0	%100
110	M61	Z	.362	.362	0	%100
111	M62	X	-.627	-.627	0	%100
112	M62	Z	.362	.362	0	%100
113	M67	X	-.627	-.627	0	%100
114	M67	Z	.362	.362	0	%100
115	M68	X	-.627	-.627	0	%100
116	M68	Z	.362	.362	0	%100
117	M73	X	-.627	-.627	0	%100
118	M73	Z	.362	.362	0	%100
119	M74	X	-.627	-.627	0	%100
120	M74	Z	.362	.362	0	%100
121	M79	X	-.627	-.627	0	%100
122	M79	Z	.362	.362	0	%100
123	M80	X	-.627	-.627	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.%)
124	M80	Z	.362	.362	0	%100
125	M85	X	-.627	-.627	0	%100
126	M85	Z	.362	.362	0	%100
127	M86	X	-.627	-.627	0	%100
128	M86	Z	.362	.362	0	%100
129	M91	X	-.627	-.627	0	%100
130	M91	Z	.362	.362	0	%100
131	M92	X	-.627	-.627	0	%100
132	M92	Z	.362	.362	0	%100
133	M97	X	0	0	0	%100
134	M97	Z	0	0	0	%100
135	M98	X	0	0	0	%100
136	M98	Z	0	0	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	0	0	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	0	0	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	0	0	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	0	0	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	0	0	0	%100
147	M116	X	0	0	0	%100
148	M116	Z	0	0	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	-.627	-.627	0	%100
158	M133	Z	.362	.362	0	%100
159	M134	X	-.627	-.627	0	%100
160	M134	Z	.362	.362	0	%100
161	M139	X	-.627	-.627	0	%100
162	M139	Z	.362	.362	0	%100
163	M140	X	-.627	-.627	0	%100
164	M140	Z	.362	.362	0	%100
165	M145	X	-.627	-.627	0	%100
166	M145	Z	.362	.362	0	%100
167	M146	X	-.627	-.627	0	%100
168	M146	Z	.362	.362	0	%100
169	M151	X	-.627	-.627	0	%100
170	M151	Z	.362	.362	0	%100
171	M152	X	-.627	-.627	0	%100
172	M152	Z	.362	.362	0	%100
173	M157	X	-.627	-.627	0	%100
174	M157	Z	.362	.362	0	%100
175	M158	X	-.627	-.627	0	%100
176	M158	Z	.362	.362	0	%100
177	M163	X	-.627	-.627	0	%100
178	M163	Z	.362	.362	0	%100
179	M164	X	-.627	-.627	0	%100
180	M164	Z	.362	.362	0	%100

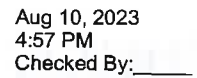


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

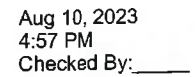
Aug 10, 2023
 4:57 PM
 Checked By: _____

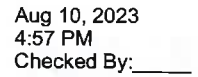
Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
181	MP2A	X	-2.267	-2.267	0	%100
182	MP2A	Z	1.309	1.309	0	%100
183	MP1A	X	-2.267	-2.267	0	%100
184	MP1A	Z	1.309	1.309	0	%100
185	MP4A	X	-2.267	-2.267	0	%100
186	MP4A	Z	1.309	1.309	0	%100
187	MP2C	X	-2.267	-2.267	0	%100
188	MP2C	Z	1.309	1.309	0	%100
189	MP1C	X	-2.267	-2.267	0	%100
190	MP1C	Z	1.309	1.309	0	%100
191	MP4C	X	-2.267	-2.267	0	%100
192	MP4C	Z	1.309	1.309	0	%100
193	MP2B	X	-2.267	-2.267	0	%100
194	MP2B	Z	1.309	1.309	0	%100
195	MP1B	X	-2.267	-2.267	0	%100
196	MP1B	Z	1.309	1.309	0	%100
197	MP4B	X	-2.267	-2.267	0	%100
198	MP4B	Z	1.309	1.309	0	%100
199	MP3A	X	-2.267	-2.267	0	%100
200	MP3A	Z	1.309	1.309	0	%100
201	MP3C	X	-2.267	-2.267	0	%100
202	MP3C	Z	1.309	1.309	0	%100
203	MP3B	X	-2.267	-2.267	0	%100
204	MP3B	Z	1.309	1.309	0	%100
205	M185A	X	-1.581	-1.581	0	%100
206	M185A	Z	.913	.913	0	%100
207	M186	X	-1.581	-1.581	0	%100
208	M186	Z	.913	.913	0	%100
209	M187	X	-.527	-.527	0	%100
210	M187	Z	.304	.304	0	%100
211	M188	X	-.527	-.527	0	%100
212	M188	Z	.304	.304	0	%100
213	M188A	X	-2.082	-2.082	0	%100
214	M188A	Z	1.202	1.202	0	%100
215	M189	X	-1.581	-1.581	0	%100
216	M189	Z	.913	.913	0	%100
217	M190	X	-1.581	-1.581	0	%100
218	M190	Z	.913	.913	0	%100
219	M197	X	-.628	-.628	0	%100
220	M197	Z	.362	.362	0	%100
221	M196	X	-2.51	-2.51	0	%100
222	M196	Z	1.449	1.449	0	%100
223	M201A	X	-.628	-.628	0	%100
224	M201A	Z	.362	.362	0	%100
225	M212	X	-2.413	-2.413	0	%100
226	M212	Z	1.393	1.393	0	%100
227	M213	X	-2.413	-2.413	0	%100
228	M213	Z	1.393	1.393	0	%100
229	M214	X	-1.695	-1.695	0	%100
230	M214	Z	.979	.979	0	%100
231	M215	X	-1.695	-1.695	0	%100
232	M215	Z	.979	.979	0	%100
233	M216	X	-2.413	-2.413	0	%100
234	M216	Z	1.393	1.393	0	%100
235	M217	X	-2.413	-2.413	0	%100
236	M217	Z	1.393	1.393	0	%100



RISA-3D Version 17.0.4 [\\...\\Rev. 0\\RISA\\5000386107-VZW MT LO H.r3d] Page 213







Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
172	M152	Z	0	0	0	%100
173	M157	X	-.241	-.241	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	-.241	-.241	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	-.241	-.241	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	-.241	-.241	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	-2.618	-2.618	0	%100
182	MP2A	Z	0	0	0	%100
183	MP1A	X	-2.618	-2.618	0	%100
184	MP1A	Z	0	0	0	%100
185	MP4A	X	-2.618	-2.618	0	%100
186	MP4A	Z	0	0	0	%100
187	MP2C	X	-2.618	-2.618	0	%100
188	MP2C	Z	0	0	0	%100
189	MP1C	X	-2.618	-2.618	0	%100
190	MP1C	Z	0	0	0	%100
191	MP4C	X	-2.618	-2.618	0	%100
192	MP4C	Z	0	0	0	%100
193	MP2B	X	-2.618	-2.618	0	%100
194	MP2B	Z	0	0	0	%100
195	MP1B	X	-2.618	-2.618	0	%100
196	MP1B	Z	0	0	0	%100
197	MP4B	X	-2.618	-2.618	0	%100
198	MP4B	Z	0	0	0	%100
199	MP3A	X	-2.618	-2.618	0	%100
200	MP3A	Z	0	0	0	%100
201	MP3C	X	-2.618	-2.618	0	%100
202	MP3C	Z	0	0	0	%100
203	MP3B	X	-2.618	-2.618	0	%100
204	MP3B	Z	0	0	0	%100
205	M185A	X	-2.434	-2.434	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	-2.434	-2.434	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	0	0	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	0	0	0	%100
213	M188A	X	-2.404	-2.404	0	%100
214	M188A	Z	0	0	0	%100
215	M189	X	-2.434	-2.434	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	-2.434	-2.434	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	0	0	0	%100
221	M196	X	-2.174	-2.174	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	-2.174	-2.174	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	-3.063	-3.063	0	%100
226	M212	Z	0	0	0	%100
227	M213	X	-3.063	-3.063	0	%100
228	M213	Z	0	0	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.%]
229	M214	X	-2.234	-2.234	0	%100
230	M214	Z	0	0	0	%100
231	M215	X	-2.234	-2.234	0	%100
232	M215	Z	0	0	0	%100
233	M216	X	-2.234	-2.234	0	%100
234	M216	Z	0	0	0	%100
235	M217	X	-2.234	-2.234	0	%100
236	M217	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.339	-2.339	0	%100
2	M1	Z	-1.35	-1.35	0	%100
3	M3	X	-.242	-.242	0	%100
4	M3	Z	-.139	-.139	0	%100
5	M4	X	-2.339	-2.339	0	%100
6	M4	Z	-1.35	-1.35	0	%100
7	M6	X	-.242	-.242	0	%100
8	M6	Z	-.139	-.139	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M9	X	-.966	-.966	0	%100
12	M9	Z	-.558	-.558	0	%100
13	M10	X	-1.291	-1.291	0	%100
14	M10	Z	-.746	-.746	0	%100
15	M11	X	-1.291	-1.291	0	%100
16	M11	Z	-.746	-.746	0	%100
17	M12	X	-5.165	-5.165	0	%100
18	M12	Z	-2.982	-2.982	0	%100
19	MP5B	X	-2.264	-2.264	0	%100
20	MP5B	Z	-1.307	-1.307	0	%100
21	MP5A	X	-2.264	-2.264	0	%100
22	MP5A	Z	-1.307	-1.307	0	%100
23	MP5C	X	-2.264	-2.264	0	%100
24	MP5C	Z	-1.307	-1.307	0	%100
25	M16	X	-.529	-.529	0	%100
26	M16	Z	-.305	-.305	0	%100
27	M18	X	-.529	-.529	0	%100
28	M18	Z	-.305	-.305	0	%100
29	M19	X	-.529	-.529	0	%100
30	M19	Z	-.305	-.305	0	%100
31	M20	X	-.529	-.529	0	%100
32	M20	Z	-.305	-.305	0	%100
33	M21	X	-2.116	-2.116	0	%100
34	M21	Z	-1.222	-1.222	0	%100
35	M22	X	-2.116	-2.116	0	%100
36	M22	Z	-1.222	-1.222	0	%100
37	M23	X	-.886	-.886	0	%100
38	M23	Z	-.512	-.512	0	%100
39	M24	X	-.886	-.886	0	%100
40	M24	Z	-.512	-.512	0	%100
41	M25	X	-3.544	-3.544	0	%100
42	M25	Z	-2.046	-2.046	0	%100
43	M26	X	-.529	-.529	0	%100
44	M26	Z	-.305	-.305	0	%100
45	M27	X	-.529	-.529	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
46	M27	Z	- .305	- .305	0	%100
47	M28	X	- .529	- .529	0	%100
48	M28	Z	- .305	- .305	0	%100
49	M29	X	- .529	- .529	0	%100
50	M29	Z	- .305	- .305	0	%100
51	M30	X	-2.116	-2.116	0	%100
52	M30	Z	-1.222	-1.222	0	%100
53	M31	X	-2.116	-2.116	0	%100
54	M31	Z	-1.222	-1.222	0	%100
55	M32	X	- .886	- .886	0	%100
56	M32	Z	- .512	- .512	0	%100
57	M33	X	- .886	- .886	0	%100
58	M33	Z	- .512	- .512	0	%100
59	M34	X	-3.544	-3.544	0	%100
60	M34	Z	-2.046	-2.046	0	%100
61	M35	X	- .529	- .529	0	%100
62	M35	Z	- .305	- .305	0	%100
63	M36	X	- .529	- .529	0	%100
64	M36	Z	- .305	- .305	0	%100
65	M37	X	- .529	- .529	0	%100
66	M37	Z	- .305	- .305	0	%100
67	M38	X	- .529	- .529	0	%100
68	M38	Z	- .305	- .305	0	%100
69	M39	X	-2.116	-2.116	0	%100
70	M39	Z	-1.222	-1.222	0	%100
71	M40	X	-2.116	-2.116	0	%100
72	M40	Z	-1.222	-1.222	0	%100
73	M41	X	-2.064	-2.064	0	%100
74	M41	Z	-1.192	-1.192	0	%100
75	M201	X	-2.064	-2.064	0	%100
76	M201	Z	-1.192	-1.192	0	%100
77	M50	X	-2.064	-2.064	0	%100
78	M50	Z	-1.192	-1.192	0	%100
79	M44	X	-2.064	-2.064	0	%100
80	M44	Z	-1.192	-1.192	0	%100
81	M45	X	-2.064	-2.064	0	%100
82	M45	Z	-1.192	-1.192	0	%100
83	M203	X	-2.064	-2.064	0	%100
84	M203	Z	-1.192	-1.192	0	%100
85	M200	X	-2.064	-2.064	0	%100
86	M200	Z	-1.192	-1.192	0	%100
87	M48	X	-2.064	-2.064	0	%100
88	M48	Z	-1.192	-1.192	0	%100
89	M49	X	-2.064	-2.064	0	%100
90	M49	Z	-1.192	-1.192	0	%100
91	M202	X	-2.064	-2.064	0	%100
92	M202	Z	-1.192	-1.192	0	%100
93	M51	X	-2.064	-2.064	0	%100
94	M51	Z	-1.192	-1.192	0	%100
95	M52	X	-2.064	-2.064	0	%100
96	M52	Z	-1.192	-1.192	0	%100
97	M53	X	-1.154	-1.154	0	%100
98	M53	Z	- .666	- .666	0	%100
99	M54	X	-2.36	-2.36	0	%100
100	M54	Z	-1.363	-1.363	0	%100
101	M55	X	-2.36	-2.36	0	%100
102	M55	Z	-1.363	-1.363	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.%]
103	M56	X	-2.489	-2.489	0	%100
104	M56	Z	-1.437	-1.437	0	%100
105	M57	X	-2.489	-2.489	0	%100
106	M57	Z	-1.437	-1.437	0	%100
107	M58	X	-.542	-.542	0	%100
108	M58	Z	-.313	-.313	0	%100
109	M61	X	-.627	-.627	0	%100
110	M61	Z	-.362	-.362	0	%100
111	M62	X	-.627	-.627	0	%100
112	M62	Z	-.362	-.362	0	%100
113	M67	X	-.627	-.627	0	%100
114	M67	Z	-.362	-.362	0	%100
115	M68	X	-.627	-.627	0	%100
116	M68	Z	-.362	-.362	0	%100
117	M73	X	-.627	-.627	0	%100
118	M73	Z	-.362	-.362	0	%100
119	M74	X	-.627	-.627	0	%100
120	M74	Z	-.362	-.362	0	%100
121	M79	X	-.627	-.627	0	%100
122	M79	Z	-.362	-.362	0	%100
123	M80	X	-.627	-.627	0	%100
124	M80	Z	-.362	-.362	0	%100
125	M85	X	-.627	-.627	0	%100
126	M85	Z	-.362	-.362	0	%100
127	M86	X	-.627	-.627	0	%100
128	M86	Z	-.362	-.362	0	%100
129	M91	X	-.627	-.627	0	%100
130	M91	Z	-.362	-.362	0	%100
131	M92	X	-.627	-.627	0	%100
132	M92	Z	-.362	-.362	0	%100
133	M97	X	-.627	-.627	0	%100
134	M97	Z	-.362	-.362	0	%100
135	M98	X	-.627	-.627	0	%100
136	M98	Z	-.362	-.362	0	%100
137	M103	X	-.627	-.627	0	%100
138	M103	Z	-.362	-.362	0	%100
139	M104	X	-.627	-.627	0	%100
140	M104	Z	-.362	-.362	0	%100
141	M109	X	-.627	-.627	0	%100
142	M109	Z	-.362	-.362	0	%100
143	M110	X	-.627	-.627	0	%100
144	M110	Z	-.362	-.362	0	%100
145	M115	X	-.627	-.627	0	%100
146	M115	Z	-.362	-.362	0	%100
147	M116	X	-.627	-.627	0	%100
148	M116	Z	-.362	-.362	0	%100
149	M121	X	-.627	-.627	0	%100
150	M121	Z	-.362	-.362	0	%100
151	M122	X	-.627	-.627	0	%100
152	M122	Z	-.362	-.362	0	%100
153	M127	X	-.627	-.627	0	%100
154	M127	Z	-.362	-.362	0	%100
155	M128	X	-.627	-.627	0	%100
156	M128	Z	-.362	-.362	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	0	0	0	%100

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

Member ID	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
160	M134	Z	0	0	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	-2.267	-2.267	0	%100
182	MP2A	Z	-1.309	-1.309	0	%100
183	MP1A	X	-2.267	-2.267	0	%100
184	MP1A	Z	-1.309	-1.309	0	%100
185	MP4A	X	-2.267	-2.267	0	%100
186	MP4A	Z	-1.309	-1.309	0	%100
187	MP2C	X	-2.267	-2.267	0	%100
188	MP2C	Z	-1.309	-1.309	0	%100
189	MP1C	X	-2.267	-2.267	0	%100
190	MP1C	Z	-1.309	-1.309	0	%100
191	MP4C	X	-2.267	-2.267	0	%100
192	MP4C	Z	-1.309	-1.309	0	%100
193	MP2B	X	-2.267	-2.267	0	%100
194	MP2B	Z	-1.309	-1.309	0	%100
195	MP1B	X	-2.267	-2.267	0	%100
196	MP1B	Z	-1.309	-1.309	0	%100
197	MP4B	X	-2.267	-2.267	0	%100
198	MP4B	Z	-1.309	-1.309	0	%100
199	MP3A	X	-2.267	-2.267	0	%100
200	MP3A	Z	-1.309	-1.309	0	%100
201	MP3C	X	-2.267	-2.267	0	%100
202	MP3C	Z	-1.309	-1.309	0	%100
203	MP3B	X	-2.267	-2.267	0	%100
204	MP3B	Z	-1.309	-1.309	0	%100
205	M185A	X	-1.581	-1.581	0	%100
206	M185A	Z	-.913	-.913	0	%100
207	M186	X	-1.581	-1.581	0	%100
208	M186	Z	-.913	-.913	0	%100
209	M187	X	-.527	-.527	0	%100
210	M187	Z	-.304	-.304	0	%100
211	M188	X	-.527	-.527	0	%100
212	M188	Z	-.304	-.304	0	%100
213	M188A	X	-2.082	-2.082	0	%100
214	M188A	Z	-1.202	-1.202	0	%100
215	M189	X	-1.581	-1.581	0	%100
216	M189	Z	-.913	-.913	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.%]
217	M190	X	-1.581	-1.581	0	%100
218	M190	Z	-.913	-.913	0	%100
219	M197	X	-.628	-.628	0	%100
220	M197	Z	-.362	-.362	0	%100
221	M196	X	-.628	-.628	0	%100
222	M196	Z	-.362	-.362	0	%100
223	M201A	X	-2.51	-2.51	0	%100
224	M201A	Z	-1.449	-1.449	0	%100
225	M212	X	-2.413	-2.413	0	%100
226	M212	Z	-1.393	-1.393	0	%100
227	M213	X	-2.413	-2.413	0	%100
228	M213	Z	-1.393	-1.393	0	%100
229	M214	X	-2.413	-2.413	0	%100
230	M214	Z	-1.393	-1.393	0	%100
231	M215	X	-2.413	-2.413	0	%100
232	M215	Z	-1.393	-1.393	0	%100
233	M216	X	-1.695	-1.695	0	%100
234	M216	Z	-.979	-.979	0	%100
235	M217	X	-1.695	-1.695	0	%100
236	M217	Z	-.979	-.979	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	-.45	-.45	0	%100
2	M1	Z	-.78	-.78	0	%100
3	M3	X	-.418	-.418	0	%100
4	M3	Z	-.725	-.725	0	%100
5	M4	X	-1.8	-1.8	0	%100
6	M4	Z	-3.118	-3.118	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.45	-.45	0	%100
10	M7	Z	-.78	-.78	0	%100
11	M9	X	-.418	-.418	0	%100
12	M9	Z	-.725	-.725	0	%100
13	M10	X	-2.237	-2.237	0	%100
14	M10	Z	-3.874	-3.874	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-2.237	-2.237	0	%100
18	M12	Z	-3.874	-3.874	0	%100
19	MP5B	X	-1.307	-1.307	0	%100
20	MP5B	Z	-2.264	-2.264	0	%100
21	MP5A	X	-1.307	-1.307	0	%100
22	MP5A	Z	-2.264	-2.264	0	%100
23	MP5C	X	-1.307	-1.307	0	%100
24	MP5C	Z	-2.264	-2.264	0	%100
25	M16	X	-.916	-.916	0	%100
26	M16	Z	-1.587	-1.587	0	%100
27	M18	X	-.916	-.916	0	%100
28	M18	Z	-1.587	-1.587	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.916	-.916	0	%100



Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-V7W_MT_LO_H

Aug 10, 2023
4:57 PM
Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft]	End Magnitude[lb/ft]	Start Location[ft,%]	End Location[ft,%]
34	M21	Z	-1.587	-1.587	0	%100
35	M22	X	-916	-916	0	%100
36	M22	Z	-1.587	-1.587	0	%100
37	M23	X	-1.535	-1.535	0	%100
38	M23	Z	-2.658	-2.658	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-1.535	-1.535	0	%100
42	M25	Z	-2.658	-2.658	0	%100
43	M26	X	-916	-916	0	%100
44	M26	Z	-1.587	-1.587	0	%100
45	M27	X	-916	-916	0	%100
46	M27	Z	-1.587	-1.587	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-916	-916	0	%100
52	M30	Z	-1.587	-1.587	0	%100
53	M31	X	-916	-916	0	%100
54	M31	Z	-1.587	-1.587	0	%100
55	M32	X	-1.535	-1.535	0	%100
56	M32	Z	-2.658	-2.658	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-1.535	-1.535	0	%100
60	M34	Z	-2.658	-2.658	0	%100
61	M35	X	-916	-916	0	%100
62	M35	Z	-1.587	-1.587	0	%100
63	M36	X	-916	-916	0	%100
64	M36	Z	-1.587	-1.587	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	0	0	0	%100
67	M38	X	0	0	0	%100
68	M38	Z	0	0	0	%100
69	M39	X	-916	-916	0	%100
70	M39	Z	-1.587	-1.587	0	%100
71	M40	X	-916	-916	0	%100
72	M40	Z	-1.587	-1.587	0	%100
73	M41	X	-1.192	-1.192	0	%100
74	M41	Z	-2.064	-2.064	0	%100
75	M201	X	-1.192	-1.192	0	%100
76	M201	Z	-2.064	-2.064	0	%100
77	M50	X	-1.192	-1.192	0	%100
78	M50	Z	-2.064	-2.064	0	%100
79	M44	X	-1.192	-1.192	0	%100
80	M44	Z	-2.064	-2.064	0	%100
81	M45	X	-1.192	-1.192	0	%100
82	M45	Z	-2.064	-2.064	0	%100
83	M203	X	-1.192	-1.192	0	%100
84	M203	Z	-2.064	-2.064	0	%100
85	M200	X	-1.192	-1.192	0	%100
86	M200	Z	-2.064	-2.064	0	%100
87	M48	X	-1.192	-1.192	0	%100
88	M48	Z	-2.064	-2.064	0	%100
89	M49	X	-1.192	-1.192	0	%100
90	M49	Z	-2.064	-2.064	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.%]
91	M202	X	-1.192	-1.192	0	%100
92	M202	Z	-2.064	-2.064	0	%100
93	M51	X	-1.192	-1.192	0	%100
94	M51	Z	-2.064	-2.064	0	%100
95	M52	X	-1.192	-1.192	0	%100
96	M52	Z	-2.064	-2.064	0	%100
97	M53	X	-1.998	-1.998	0	%100
98	M53	Z	-3.461	-3.461	0	%100
99	M54	X	-.454	-.454	0	%100
100	M54	Z	-.787	-.787	0	%100
101	M55	X	-.454	-.454	0	%100
102	M55	Z	-.787	-.787	0	%100
103	M56	X	-1.812	-1.812	0	%100
104	M56	Z	-3.138	-3.138	0	%100
105	M57	X	-.688	-.688	0	%100
106	M57	Z	-1.191	-1.191	0	%100
107	M58	X	-.688	-.688	0	%100
108	M58	Z	-1.191	-1.191	0	%100
109	M61	X	-.121	-.121	0	%100
110	M61	Z	-.209	-.209	0	%100
111	M62	X	-.121	-.121	0	%100
112	M62	Z	-.209	-.209	0	%100
113	M67	X	-.121	-.121	0	%100
114	M67	Z	-.209	-.209	0	%100
115	M68	X	-.121	-.121	0	%100
116	M68	Z	-.209	-.209	0	%100
117	M73	X	-.121	-.121	0	%100
118	M73	Z	-.209	-.209	0	%100
119	M74	X	-.121	-.121	0	%100
120	M74	Z	-.209	-.209	0	%100
121	M79	X	-.121	-.121	0	%100
122	M79	Z	-.209	-.209	0	%100
123	M80	X	-.121	-.121	0	%100
124	M80	Z	-.209	-.209	0	%100
125	M85	X	-.121	-.121	0	%100
126	M85	Z	-.209	-.209	0	%100
127	M86	X	-.121	-.121	0	%100
128	M86	Z	-.209	-.209	0	%100
129	M91	X	-.121	-.121	0	%100
130	M91	Z	-.209	-.209	0	%100
131	M92	X	-.121	-.121	0	%100
132	M92	Z	-.209	-.209	0	%100
133	M97	X	-.483	-.483	0	%100
134	M97	Z	-.836	-.836	0	%100
135	M98	X	-.483	-.483	0	%100
136	M98	Z	-.836	-.836	0	%100
137	M103	X	-.483	-.483	0	%100
138	M103	Z	-.836	-.836	0	%100
139	M104	X	-.483	-.483	0	%100
140	M104	Z	-.836	-.836	0	%100
141	M109	X	-.483	-.483	0	%100
142	M109	Z	-.836	-.836	0	%100
143	M110	X	-.483	-.483	0	%100
144	M110	Z	-.836	-.836	0	%100
145	M115	X	-.483	-.483	0	%100
146	M115	Z	-.836	-.836	0	%100
147	M116	X	-.483	-.483	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
148	M116	Z	- 836	- 836	0	%100
149	M121	X	- 483	- 483	0	%100
150	M121	Z	- 836	- 836	0	%100
151	M122	X	- 483	- 483	0	%100
152	M122	Z	- 836	- 836	0	%100
153	M127	X	- 483	- 483	0	%100
154	M127	Z	- 836	- 836	0	%100
155	M128	X	- 483	- 483	0	%100
156	M128	Z	- 836	- 836	0	%100
157	M133	X	- 121	- 121	0	%100
158	M133	Z	- 209	- 209	0	%100
159	M134	X	- 121	- 121	0	%100
160	M134	Z	- 209	- 209	0	%100
161	M139	X	- 121	- 121	0	%100
162	M139	Z	- 209	- 209	0	%100
163	M140	X	- 121	- 121	0	%100
164	M140	Z	- 209	- 209	0	%100
165	M145	X	- 121	- 121	0	%100
166	M145	Z	- 209	- 209	0	%100
167	M146	X	- 121	- 121	0	%100
168	M146	Z	- 209	- 209	0	%100
169	M151	X	- 121	- 121	0	%100
170	M151	Z	- 209	- 209	0	%100
171	M152	X	- 121	- 121	0	%100
172	M152	Z	- 209	- 209	0	%100
173	M157	X	- 121	- 121	0	%100
174	M157	Z	- 209	- 209	0	%100
175	M158	X	- 121	- 121	0	%100
176	M158	Z	- 209	- 209	0	%100
177	M163	X	- 121	- 121	0	%100
178	M163	Z	- 209	- 209	0	%100
179	M164	X	- 121	- 121	0	%100
180	M164	Z	- 209	- 209	0	%100
181	MP2A	X	-1.309	-1.309	0	%100
182	MP2A	Z	-2.267	-2.267	0	%100
183	MP1A	X	-1.309	-1.309	0	%100
184	MP1A	Z	-2.267	-2.267	0	%100
185	MP4A	X	-1.309	-1.309	0	%100
186	MP4A	Z	-2.267	-2.267	0	%100
187	MP2C	X	-1.309	-1.309	0	%100
188	MP2C	Z	-2.267	-2.267	0	%100
189	MP1C	X	-1.309	-1.309	0	%100
190	MP1C	Z	-2.267	-2.267	0	%100
191	MP4C	X	-1.309	-1.309	0	%100
192	MP4C	Z	-2.267	-2.267	0	%100
193	MP2B	X	-1.309	-1.309	0	%100
194	MP2B	Z	-2.267	-2.267	0	%100
195	MP1B	X	-1.309	-1.309	0	%100
196	MP1B	Z	-2.267	-2.267	0	%100
197	MP4B	X	-1.309	-1.309	0	%100
198	MP4B	Z	-2.267	-2.267	0	%100
199	MP3A	X	-1.309	-1.309	0	%100
200	MP3A	Z	-2.267	-2.267	0	%100
201	MP3C	X	-1.309	-1.309	0	%100
202	MP3C	Z	-2.267	-2.267	0	%100
203	MP3B	X	-1.309	-1.309	0	%100
204	MP3B	Z	-2.267	-2.267	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.%]
205	M185A	X	- .304	- .304	0	%100
206	M185A	Z	- .527	- .527	0	%100
207	M186	X	- .304	- .304	0	%100
208	M186	Z	- .527	- .527	0	%100
209	M187	X	- .913	- .913	0	%100
210	M187	Z	-1.581	-1.581	0	%100
211	M188	X	- .913	- .913	0	%100
212	M188	Z	-1.581	-1.581	0	%100
213	M188A	X	-1.202	-1.202	0	%100
214	M188A	Z	-2.082	-2.082	0	%100
215	M189	X	- .304	- .304	0	%100
216	M189	Z	- .527	- .527	0	%100
217	M190	X	- .304	- .304	0	%100
218	M190	Z	- .527	- .527	0	%100
219	M197	X	-1.087	-1.087	0	%100
220	M197	Z	-1.883	-1.883	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	-1.087	-1.087	0	%100
224	M201A	Z	-1.883	-1.883	0	%100
225	M212	X	-1.117	-1.117	0	%100
226	M212	Z	-1.934	-1.934	0	%100
227	M213	X	-1.117	-1.117	0	%100
228	M213	Z	-1.934	-1.934	0	%100
229	M214	X	-1.531	-1.531	0	%100
230	M214	Z	-2.653	-2.653	0	%100
231	M215	X	-1.531	-1.531	0	%100
232	M215	Z	-2.653	-2.653	0	%100
233	M216	X	-1.117	-1.117	0	%100
234	M216	Z	-1.934	-1.934	0	%100
235	M217	X	-1.117	-1.117	0	%100
236	M217	Z	-1.934	-1.934	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	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	- .101	- .101	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	- .626	- .626	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	- .025	- .025	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	- .626	- .626	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	- .025	- .025	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-1.685	-1.685	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	- .421	- .421	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	- .421	- .421	0	%100
19	MP5B	X	0	0	0	%100
20	MP5B	Z	- .479	- .479	0	%100
21	MP5A	X	0	0	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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,%]
22	MP5A	Z	-.479	-.479	0	%100
23	MP5C	X	0	0	0	%100
24	MP5C	Z	-.479	-.479	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-.607	-.607	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.607	-.607	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.152	-.152	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-.152	-.152	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-.152	-.152	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-.152	-.152	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-1.011	-1.011	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-.253	-.253	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-.253	-.253	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-.607	-.607	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-.607	-.607	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-.152	-.152	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-.152	-.152	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-.152	-.152	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-.152	-.152	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-1.011	-1.011	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-.253	-.253	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-.253	-.253	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-.607	-.607	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-.607	-.607	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	-.152	-.152	0	%100
67	M38	X	0	0	0	%100
68	M38	Z	-.152	-.152	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	-.152	-.152	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	-.152	-.152	0	%100
73	M41	X	0	0	0	%100
74	M41	Z	-.434	-.434	0	%100
75	M201	X	0	0	0	%100
76	M201	Z	-.434	-.434	0	%100
77	M50	X	0	0	0	%100
78	M50	Z	-.434	-.434	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.%]
79	M44	X	0	0	0	%100
80	M44	Z	- .434	- .434	0	%100
81	M45	X	0	0	0	%100
82	M45	Z	- .434	- .434	0	%100
83	M203	X	0	0	0	%100
84	M203	Z	- .434	- .434	0	%100
85	M200	X	0	0	0	%100
86	M200	Z	- .434	- .434	0	%100
87	M48	X	0	0	0	%100
88	M48	Z	- .434	- .434	0	%100
89	M49	X	0	0	0	%100
90	M49	Z	- .434	- .434	0	%100
91	M202	X	0	0	0	%100
92	M202	Z	- .434	- .434	0	%100
93	M51	X	0	0	0	%100
94	M51	Z	- .434	- .434	0	%100
95	M52	X	0	0	0	%100
96	M52	Z	- .434	- .434	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	-1.456	-1.456	0	%100
99	M54	X	0	0	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	0	0	0	%100
102	M55	Z	0	0	0	%100
103	M56	X	0	0	0	%100
104	M56	Z	- .674	- .674	0	%100
105	M57	X	0	0	0	%100
106	M57	Z	- .169	- .169	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	- .674	- .674	0	%100
109	M61	X	0	0	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	0	0	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	0	0	0	%100
114	M67	Z	0	0	0	%100
115	M68	X	0	0	0	%100
116	M68	Z	0	0	0	%100
117	M73	X	0	0	0	%100
118	M73	Z	0	0	0	%100
119	M74	X	0	0	0	%100
120	M74	Z	0	0	0	%100
121	M79	X	0	0	0	%100
122	M79	Z	0	0	0	%100
123	M80	X	0	0	0	%100
124	M80	Z	0	0	0	%100
125	M85	X	0	0	0	%100
126	M85	Z	0	0	0	%100
127	M86	X	0	0	0	%100
128	M86	Z	0	0	0	%100
129	M91	X	0	0	0	%100
130	M91	Z	0	0	0	%100
131	M92	X	0	0	0	%100
132	M92	Z	0	0	0	%100
133	M97	X	0	0	0	%100
134	M97	Z	- .058	- .058	0	%100
135	M98	X	0	0	0	%100



Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
4:57 PM
Checked By: _____

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

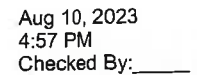
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
136	M98	Z	-.058	-.058	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	-.058	-.058	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	-.058	-.058	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	-.058	-.058	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	-.058	-.058	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	-.058	-.058	0	%100
147	M116	X	0	0	0	%100
148	M116	Z	-.058	-.058	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	-.058	-.058	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	-.058	-.058	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	-.058	-.058	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	-.058	-.058	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	-.058	-.058	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	-.058	-.058	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	-.058	-.058	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	-.058	-.058	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	-.058	-.058	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	-.058	-.058	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	-.058	-.058	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	-.058	-.058	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	-.058	-.058	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	-.058	-.058	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	-.058	-.058	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	-.058	-.058	0	%100
181	MP2A	X	0	0	0	%100
182	MP2A	Z	-.48	-.48	0	%100
183	MP1A	X	0	0	0	%100
184	MP1A	Z	-.48	-.48	0	%100
185	MP4A	X	0	0	0	%100
186	MP4A	Z	-.48	-.48	0	%100
187	MP2C	X	0	0	0	%100
188	MP2C	Z	-.48	-.48	0	%100
189	MP1C	X	0	0	0	%100
190	MP1C	Z	-.48	-.48	0	%100
191	MP4C	X	0	0	0	%100
192	MP4C	Z	-.48	-.48	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.%]
193	MP2B	X	0	0	0	%100
194	MP2B	Z	-.48	-.48	0	%100
195	MP1B	X	0	0	0	%100
196	MP1B	Z	-.48	-.48	0	%100
197	MP4B	X	0	0	0	%100
198	MP4B	Z	-.48	-.48	0	%100
199	MP3A	X	0	0	0	%100
200	MP3A	Z	-.48	-.48	0	%100
201	MP3C	X	0	0	0	%100
202	MP3C	Z	-.48	-.48	0	%100
203	MP3B	X	0	0	0	%100
204	MP3B	Z	-.48	-.48	0	%100
205	M185A	X	0	0	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	0	0	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	-.607	-.607	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	-.607	-.607	0	%100
213	M188A	X	0	0	0	%100
214	M188A	Z	-.438	-.438	0	%100
215	M189	X	0	0	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	0	0	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	-.581	-.581	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	-.145	-.145	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	-.145	-.145	0	%100
225	M212	X	0	0	0	%100
226	M212	Z	-.453	-.453	0	%100
227	M213	X	0	0	0	%100
228	M213	Z	-.453	-.453	0	%100
229	M214	X	0	0	0	%100
230	M214	Z	-.645	-.645	0	%100
231	M215	X	0	0	0	%100
232	M215	Z	-.645	-.645	0	%100
233	M216	X	0	0	0	%100
234	M216	Z	-.645	-.645	0	%100
235	M217	X	0	0	0	%100
236	M217	Z	-.645	-.645	0	%100

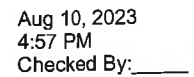
Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

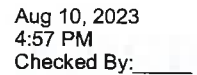
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.104	.104	0	%100
2	M1	Z	-.181	-.181	0	%100
3	M3	X	.038	.038	0	%100
4	M3	Z	-.066	-.066	0	%100
5	M4	X	.104	.104	0	%100
6	M4	Z	-.181	-.181	0	%100
7	M6	X	.038	.038	0	%100
8	M6	Z	-.066	-.066	0	%100
9	M7	X	.417	.417	0	%100



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.%]
67	M38	X	.227	.227	0	%100
68	M38	Z	-.394	-.394	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	.217	.217	0	%100
74	M41	Z	-.376	-.376	0	%100
75	M201	X	.217	.217	0	%100
76	M201	Z	-.376	-.376	0	%100
77	M50	X	.217	.217	0	%100
78	M50	Z	-.376	-.376	0	%100
79	M44	X	.217	.217	0	%100
80	M44	Z	-.376	-.376	0	%100
81	M45	X	.217	.217	0	%100
82	M45	Z	-.376	-.376	0	%100
83	M203	X	.217	.217	0	%100
84	M203	Z	-.376	-.376	0	%100
85	M200	X	.217	.217	0	%100
86	M200	Z	-.376	-.376	0	%100
87	M48	X	.217	.217	0	%100
88	M48	Z	-.376	-.376	0	%100
89	M49	X	.217	.217	0	%100
90	M49	Z	-.376	-.376	0	%100
91	M202	X	.217	.217	0	%100
92	M202	Z	-.376	-.376	0	%100
93	M51	X	.217	.217	0	%100
94	M51	Z	-.376	-.376	0	%100
95	M52	X	.217	.217	0	%100
96	M52	Z	-.376	-.376	0	%100
97	M53	X	.546	.546	0	%100
98	M53	Z	-.946	-.946	0	%100
99	M54	X	.106	.106	0	%100
100	M54	Z	-.183	-.183	0	%100
101	M55	X	.106	.106	0	%100
102	M55	Z	-.183	-.183	0	%100
103	M56	X	.168	.168	0	%100
104	M56	Z	-.292	-.292	0	%100
105	M57	X	.168	.168	0	%100
106	M57	Z	-.292	-.292	0	%100
107	M58	X	.421	.421	0	%100
108	M58	Z	-.73	-.73	0	%100
109	M61	X	.01	.01	0	%100
110	M61	Z	-.017	-.017	0	%100
111	M62	X	.01	.01	0	%100
112	M62	Z	-.017	-.017	0	%100
113	M67	X	.01	.01	0	%100
114	M67	Z	-.017	-.017	0	%100
115	M68	X	.01	.01	0	%100
116	M68	Z	-.017	-.017	0	%100
117	M73	X	.01	.01	0	%100
118	M73	Z	-.017	-.017	0	%100
119	M74	X	.01	.01	0	%100
120	M74	Z	-.017	-.017	0	%100
121	M79	X	.01	.01	0	%100
122	M79	Z	-.017	-.017	0	%100
123	M80	X	.01	.01	0	%100





RISA-3D Version 17.0.4 [.....\Rev. 0\RISA\5000386107-VZW MT LO H.r3d] Page 233

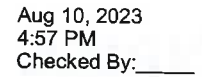


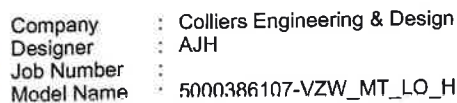
Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-V7W_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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

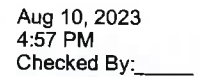
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.542	.542	0	%100
2	M1	Z	-.313	-.313	0	%100
3	M3	X	.022	.022	0	%100
4	M3	Z	-.013	-.013	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	.088	.088	0	%100
8	M6	Z	-.051	-.051	0	%100
9	M7	X	.542	.542	0	%100
10	M7	Z	-.313	-.313	0	%100
11	M9	X	.022	.022	0	%100
12	M9	Z	-.013	-.013	0	%100
13	M10	X	.365	.365	0	%100
14	M10	Z	-.211	-.211	0	%100
15	M11	X	1.459	1.459	0	%100
16	M11	Z	-.842	-.842	0	%100
17	M12	X	.365	.365	0	%100
18	M12	Z	-.211	-.211	0	%100
19	MP5B	X	.415	.415	0	%100
20	MP5B	Z	-.239	-.239	0	%100
21	MP5A	X	.415	.415	0	%100
22	MP5A	Z	-.239	-.239	0	%100
23	MP5C	X	.415	.415	0	%100
24	MP5C	Z	-.239	-.239	0	%100
25	M16	X	.131	.131	0	%100
26	M16	Z	-.076	-.076	0	%100
27	M18	X	.131	.131	0	%100
28	M18	Z	-.076	-.076	0	%100
29	M19	X	.525	.525	0	%100
30	M19	Z	-.303	-.303	0	%100
31	M20	X	.525	.525	0	%100
32	M20	Z	-.303	-.303	0	%100
33	M21	X	.131	.131	0	%100
34	M21	Z	-.076	-.076	0	%100
35	M22	X	.131	.131	0	%100
36	M22	Z	-.076	-.076	0	%100
37	M23	X	.219	.219	0	%100
38	M23	Z	-.126	-.126	0	%100
39	M24	X	.876	.876	0	%100
40	M24	Z	-.505	-.505	0	%100
41	M25	X	.219	.219	0	%100
42	M25	Z	-.126	-.126	0	%100
43	M26	X	.131	.131	0	%100
44	M26	Z	-.076	-.076	0	%100
45	M27	X	.131	.131	0	%100
46	M27	Z	-.076	-.076	0	%100
47	M28	X	.525	.525	0	%100
48	M28	Z	-.303	-.303	0	%100
49	M29	X	.525	.525	0	%100
50	M29	Z	-.303	-.303	0	%100
51	M30	X	.131	.131	0	%100
52	M30	Z	-.076	-.076	0	%100
53	M31	X	.131	.131	0	%100
54	M31	Z	-.076	-.076	0	%100
55	M32	X	.219	.219	0	%100
56	M32	Z	-.126	-.126	0	%100
57	M33	X	.876	.876	0	%100





Aug 10, 2023
4:57 PM
Checked By: _____

Member ID	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
115	M68	X	.05	.05	0	%100
116	M68	Z	-.029	-.029	0	%100
117	M73	X	.05	.05	0	%100
118	M73	Z	-.029	-.029	0	%100
119	M74	X	.05	.05	0	%100
120	M74	Z	-.029	-.029	0	%100
121	M79	X	.05	.05	0	%100
122	M79	Z	-.029	-.029	0	%100
123	M80	X	.05	.05	0	%100
124	M80	Z	-.029	-.029	0	%100
125	M85	X	.05	.05	0	%100
126	M85	Z	-.029	-.029	0	%100
127	M86	X	.05	.05	0	%100
128	M86	Z	-.029	-.029	0	%100
129	M91	X	.05	.05	0	%100
130	M91	Z	-.029	-.029	0	%100
131	M92	X	.05	.05	0	%100
132	M92	Z	-.029	-.029	0	%100
133	M97	X	0	0	0	%100
134	M97	Z	0	0	0	%100
135	M98	X	0	0	0	%100
136	M98	Z	0	0	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	0	0	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	0	0	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	0	0	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	0	0	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	0	0	0	%100
147	M116	X	0	0	0	%100
148	M116	Z	0	0	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	.05	.05	0	%100
158	M133	Z	-.029	-.029	0	%100
159	M134	X	.05	.05	0	%100
160	M134	Z	-.029	-.029	0	%100
161	M139	X	.05	.05	0	%100
162	M139	Z	-.029	-.029	0	%100
163	M140	X	.05	.05	0	%100
164	M140	Z	-.029	-.029	0	%100
165	M145	X	.05	.05	0	%100
166	M145	Z	-.029	-.029	0	%100
167	M146	X	.05	.05	0	%100
168	M146	Z	-.029	-.029	0	%100
169	M151	X	.05	.05	0	%100
170	M151	Z	-.029	-.029	0	%100
171	M152	X	.05	.05	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.%]
229	M214	X	.393	.393	0	%100
230	M214	Z	-.227	-.227	0	%100
231	M215	X	.393	.393	0	%100
232	M215	Z	-.227	-.227	0	%100
233	M216	X	.559	.559	0	%100
234	M216	Z	-.323	-.323	0	%100
235	M217	X	.559	.559	0	%100
236	M217	Z	-.323	-.323	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	.834	.834	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M4	X	.209	.209	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	.076	.076	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.209	.209	0	%100
10	M7	Z	0	0	0	%100
11	M9	X	.076	.076	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	1.264	1.264	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	1.264	1.264	0	%100
18	M12	Z	0	0	0	%100
19	MP5B	X	.479	.479	0	%100
20	MP5B	Z	0	0	0	%100
21	MP5A	X	.479	.479	0	%100
22	MP5A	Z	0	0	0	%100
23	MP5C	X	.479	.479	0	%100
24	MP5C	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.455	.455	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.455	.455	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.455	.455	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	.455	.455	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	.758	.758	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	.758	.758	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	0	0	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.%]
46	M27	Z	0	0	0	%100
47	M28	X	.455	.455	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	.455	.455	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	.455	.455	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	.455	.455	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	.758	.758	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	.758	.758	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	0	0	0	%100
65	M37	X	.455	.455	0	%100
66	M37	Z	0	0	0	%100
67	M38	X	.455	.455	0	%100
68	M38	Z	0	0	0	%100
69	M39	X	.455	.455	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	.455	.455	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	.434	.434	0	%100
74	M41	Z	0	0	0	%100
75	M201	X	.434	.434	0	%100
76	M201	Z	0	0	0	%100
77	M50	X	.434	.434	0	%100
78	M50	Z	0	0	0	%100
79	M44	X	.434	.434	0	%100
80	M44	Z	0	0	0	%100
81	M45	X	.434	.434	0	%100
82	M45	Z	0	0	0	%100
83	M203	X	.434	.434	0	%100
84	M203	Z	0	0	0	%100
85	M200	X	.434	.434	0	%100
86	M200	Z	0	0	0	%100
87	M48	X	.434	.434	0	%100
88	M48	Z	0	0	0	%100
89	M49	X	.434	.434	0	%100
90	M49	Z	0	0	0	%100
91	M202	X	.434	.434	0	%100
92	M202	Z	0	0	0	%100
93	M51	X	.434	.434	0	%100
94	M51	Z	0	0	0	%100
95	M52	X	.434	.434	0	%100
96	M52	Z	0	0	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	0	0	0	%100
99	M54	X	.846	.846	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	.846	.846	0	%100
102	M55	Z	0	0	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
103	M56	X	.337	.337	0	%100
104	M56	Z	0	0	0	%100
105	M57	X	.842	.842	0	%100
106	M57	Z	0	0	0	%100
107	M58	X	.337	.337	0	%100
108	M58	Z	0	0	0	%100
109	M61	X	.077	.077	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	.077	.077	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	.077	.077	0	%100
114	M67	Z	0	0	0	%100
115	M68	X	.077	.077	0	%100
116	M68	Z	0	0	0	%100
117	M73	X	.077	.077	0	%100
118	M73	Z	0	0	0	%100
119	M74	X	.077	.077	0	%100
120	M74	Z	0	0	0	%100
121	M79	X	.077	.077	0	%100
122	M79	Z	0	0	0	%100
123	M80	X	.077	.077	0	%100
124	M80	Z	0	0	0	%100
125	M85	X	.077	.077	0	%100
126	M85	Z	0	0	0	%100
127	M86	X	.077	.077	0	%100
128	M86	Z	0	0	0	%100
129	M91	X	.077	.077	0	%100
130	M91	Z	0	0	0	%100
131	M92	X	.077	.077	0	%100
132	M92	Z	0	0	0	%100
133	M97	X	.019	.019	0	%100
134	M97	Z	0	0	0	%100
135	M98	X	.019	.019	0	%100
136	M98	Z	0	0	0	%100
137	M103	X	.019	.019	0	%100
138	M103	Z	0	0	0	%100
139	M104	X	.019	.019	0	%100
140	M104	Z	0	0	0	%100
141	M109	X	.019	.019	0	%100
142	M109	Z	0	0	0	%100
143	M110	X	.019	.019	0	%100
144	M110	Z	0	0	0	%100
145	M115	X	.019	.019	0	%100
146	M115	Z	0	0	0	%100
147	M116	X	.019	.019	0	%100
148	M116	Z	0	0	0	%100
149	M121	X	.019	.019	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	.019	.019	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	.019	.019	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	.019	.019	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	.019	.019	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	.019	.019	0	%100

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

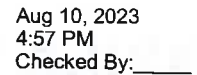
	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
160	M134	Z	0	0	0	%100
161	M139	X	.019	.019	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	.019	.019	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	.019	.019	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	.019	.019	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	.019	.019	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	.019	.019	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	.019	.019	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	.019	.019	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	.019	.019	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	.019	.019	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	.48	.48	0	%100
182	MP2A	Z	0	0	0	%100
183	MP1A	X	.48	.48	0	%100
184	MP1A	Z	0	0	0	%100
185	MP4A	X	.48	.48	0	%100
186	MP4A	Z	0	0	0	%100
187	MP2C	X	.48	.48	0	%100
188	MP2C	Z	0	0	0	%100
189	MP1C	X	.48	.48	0	%100
190	MP1C	Z	0	0	0	%100
191	MP4C	X	.48	.48	0	%100
192	MP4C	Z	0	0	0	%100
193	MP2B	X	.48	.48	0	%100
194	MP2B	Z	0	0	0	%100
195	MP1B	X	.48	.48	0	%100
196	MP1B	Z	0	0	0	%100
197	MP4B	X	.48	.48	0	%100
198	MP4B	Z	0	0	0	%100
199	MP3A	X	.48	.48	0	%100
200	MP3A	Z	0	0	0	%100
201	MP3C	X	.48	.48	0	%100
202	MP3C	Z	0	0	0	%100
203	MP3B	X	.48	.48	0	%100
204	MP3B	Z	0	0	0	%100
205	M185A	X	.607	.607	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	.607	.607	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	0	0	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	0	0	0	%100
213	M188A	X	.438	.438	0	%100
214	M188A	Z	0	0	0	%100
215	M189	X	.607	.607	0	%100
216	M189	Z	0	0	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.%]
217	M190	X	.607	.607	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	0	0	0	%100
221	M196	X	.436	.436	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	.436	.436	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	.709	.709	0	%100
226	M212	Z	0	0	0	%100
227	M213	X	.709	.709	0	%100
228	M213	Z	0	0	0	%100
229	M214	X	.517	.517	0	%100
230	M214	Z	0	0	0	%100
231	M215	X	.517	.517	0	%100
232	M215	Z	0	0	0	%100
233	M216	X	.517	.517	0	%100
234	M216	Z	0	0	0	%100
235	M217	X	.517	.517	0	%100
236	M217	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.542	.542	0	%100
2	M1	Z	.313	.313	0	%100
3	M3	X	.022	.022	0	%100
4	M3	Z	.013	.013	0	%100
5	M4	X	.542	.542	0	%100
6	M4	Z	.313	.313	0	%100
7	M6	X	.022	.022	0	%100
8	M6	Z	.013	.013	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M9	X	.088	.088	0	%100
12	M9	Z	.051	.051	0	%100
13	M10	X	.365	.365	0	%100
14	M10	Z	.211	.211	0	%100
15	M11	X	.365	.365	0	%100
16	M11	Z	.211	.211	0	%100
17	M12	X	1.459	1.459	0	%100
18	M12	Z	.842	.842	0	%100
19	MP5B	X	.415	.415	0	%100
20	MP5B	Z	.239	.239	0	%100
21	MP5A	X	.415	.415	0	%100
22	MP5A	Z	.239	.239	0	%100
23	MP5C	X	.415	.415	0	%100
24	MP5C	Z	.239	.239	0	%100
25	M16	X	.131	.131	0	%100
26	M16	Z	.076	.076	0	%100
27	M18	X	.131	.131	0	%100
28	M18	Z	.076	.076	0	%100
29	M19	X	.131	.131	0	%100
30	M19	Z	.076	.076	0	%100
31	M20	X	.131	.131	0	%100
32	M20	Z	.076	.076	0	%100
33	M21	X	.525	.525	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.%]
91	M202	X	.376	.376	0	%100
92	M202	Z	.217	.217	0	%100
93	M51	X	.376	.376	0	%100
94	M51	Z	.217	.217	0	%100
95	M52	X	.376	.376	0	%100
96	M52	Z	.217	.217	0	%100
97	M53	X	.315	.315	0	%100
98	M53	Z	.182	.182	0	%100
99	M54	X	.549	.549	0	%100
100	M54	Z	.317	.317	0	%100
101	M55	X	.549	.549	0	%100
102	M55	Z	.317	.317	0	%100
103	M56	X	.584	.584	0	%100
104	M56	Z	.337	.337	0	%100
105	M57	X	.584	.584	0	%100
106	M57	Z	.337	.337	0	%100
107	M58	X	.146	.146	0	%100
108	M58	Z	.084	.084	0	%100
109	M61	X	.05	.05	0	%100
110	M61	Z	.029	.029	0	%100
111	M62	X	.05	.05	0	%100
112	M62	Z	.029	.029	0	%100
113	M67	X	.05	.05	0	%100
114	M67	Z	.029	.029	0	%100
115	M68	X	.05	.05	0	%100
116	M68	Z	.029	.029	0	%100
117	M73	X	.05	.05	0	%100
118	M73	Z	.029	.029	0	%100
119	M74	X	.05	.05	0	%100
120	M74	Z	.029	.029	0	%100
121	M79	X	.05	.05	0	%100
122	M79	Z	.029	.029	0	%100
123	M80	X	.05	.05	0	%100
124	M80	Z	.029	.029	0	%100
125	M85	X	.05	.05	0	%100
126	M85	Z	.029	.029	0	%100
127	M86	X	.05	.05	0	%100
128	M86	Z	.029	.029	0	%100
129	M91	X	.05	.05	0	%100
130	M91	Z	.029	.029	0	%100
131	M92	X	.05	.05	0	%100
132	M92	Z	.029	.029	0	%100
133	M97	X	.05	.05	0	%100
134	M97	Z	.029	.029	0	%100
135	M98	X	.05	.05	0	%100
136	M98	Z	.029	.029	0	%100
137	M103	X	.05	.05	0	%100
138	M103	Z	.029	.029	0	%100
139	M104	X	.05	.05	0	%100
140	M104	Z	.029	.029	0	%100
141	M109	X	.05	.05	0	%100
142	M109	Z	.029	.029	0	%100
143	M110	X	.05	.05	0	%100
144	M110	Z	.029	.029	0	%100
145	M115	X	.05	.05	0	%100
146	M115	Z	.029	.029	0	%100
147	M116	X	.05	.05	0	%100

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

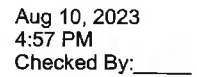
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
148	M116	Z	.029	.029	0	%100
149	M121	X	.05	.05	0	%100
150	M121	Z	.029	.029	0	%100
151	M122	X	.05	.05	0	%100
152	M122	Z	.029	.029	0	%100
153	M127	X	.05	.05	0	%100
154	M127	Z	.029	.029	0	%100
155	M128	X	.05	.05	0	%100
156	M128	Z	.029	.029	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	.416	.416	0	%100
182	MP2A	Z	.24	.24	0	%100
183	MP1A	X	.416	.416	0	%100
184	MP1A	Z	.24	.24	0	%100
185	MP4A	X	.416	.416	0	%100
186	MP4A	Z	.24	.24	0	%100
187	MP2C	X	.416	.416	0	%100
188	MP2C	Z	.24	.24	0	%100
189	MP1C	X	.416	.416	0	%100
190	MP1C	Z	.24	.24	0	%100
191	MP4C	X	.416	.416	0	%100
192	MP4C	Z	.24	.24	0	%100
193	MP2B	X	.416	.416	0	%100
194	MP2B	Z	.24	.24	0	%100
195	MP1B	X	.416	.416	0	%100
196	MP1B	Z	.24	.24	0	%100
197	MP4B	X	.416	.416	0	%100
198	MP4B	Z	.24	.24	0	%100
199	MP3A	X	.416	.416	0	%100
200	MP3A	Z	.24	.24	0	%100
201	MP3C	X	.416	.416	0	%100
202	MP3C	Z	.24	.24	0	%100
203	MP3B	X	.416	.416	0	%100
204	MP3B	Z	.24	.24	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.%]
205	M185A	X	.394	.394	0	%100
206	M185A	Z	.227	.227	0	%100
207	M186	X	.394	.394	0	%100
208	M186	Z	.227	.227	0	%100
209	M187	X	.131	.131	0	%100
210	M187	Z	.076	.076	0	%100
211	M188	X	.131	.131	0	%100
212	M188	Z	.076	.076	0	%100
213	M188A	X	.379	.379	0	%100
214	M188A	Z	.219	.219	0	%100
215	M189	X	.394	.394	0	%100
216	M189	Z	.227	.227	0	%100
217	M190	X	.394	.394	0	%100
218	M190	Z	.227	.227	0	%100
219	M197	X	.126	.126	0	%100
220	M197	Z	.073	.073	0	%100
221	M196	X	.126	.126	0	%100
222	M196	Z	.073	.073	0	%100
223	M201A	X	.503	.503	0	%100
224	M201A	Z	.291	.291	0	%100
225	M212	X	.559	.559	0	%100
226	M212	Z	.323	.323	0	%100
227	M213	X	.559	.559	0	%100
228	M213	Z	.323	.323	0	%100
229	M214	X	.559	.559	0	%100
230	M214	Z	.323	.323	0	%100
231	M215	X	.559	.559	0	%100
232	M215	Z	.323	.323	0	%100
233	M216	X	.393	.393	0	%100
234	M216	Z	.227	.227	0	%100
235	M217	X	.393	.393	0	%100
236	M217	Z	.227	.227	0	%100

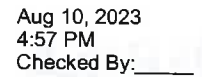
Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.104	.104	0	%100
2	M1	Z	.181	.181	0	%100
3	M3	X	.038	.038	0	%100
4	M3	Z	.066	.066	0	%100
5	M4	X	.417	.417	0	%100
6	M4	Z	.722	.722	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.104	.104	0	%100
10	M7	Z	.181	.181	0	%100
11	M9	X	.038	.038	0	%100
12	M9	Z	.066	.066	0	%100
13	M10	X	.632	.632	0	%100
14	M10	Z	1.094	1.094	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	.632	.632	0	%100
18	M12	Z	1.094	1.094	0	%100
19	MP5B	X	.239	.239	0	%100
20	MP5B	Z	.415	.415	0	%100
21	MP5A	X	.239	.239	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.%]
79	M44	X	.217	.217	0	%100
80	M44	Z	.376	.376	0	%100
81	M45	X	.217	.217	0	%100
82	M45	Z	.376	.376	0	%100
83	M203	X	.217	.217	0	%100
84	M203	Z	.376	.376	0	%100
85	M200	X	.217	.217	0	%100
86	M200	Z	.376	.376	0	%100
87	M48	X	.217	.217	0	%100
88	M48	Z	.376	.376	0	%100
89	M49	X	.217	.217	0	%100
90	M49	Z	.376	.376	0	%100
91	M202	X	.217	.217	0	%100
92	M202	Z	.376	.376	0	%100
93	M51	X	.217	.217	0	%100
94	M51	Z	.376	.376	0	%100
95	M52	X	.217	.217	0	%100
96	M52	Z	.376	.376	0	%100
97	M53	X	.546	.546	0	%100
98	M53	Z	.946	.946	0	%100
99	M54	X	.106	.106	0	%100
100	M54	Z	.183	.183	0	%100
101	M55	X	.106	.106	0	%100
102	M55	Z	.183	.183	0	%100
103	M56	X	.421	.421	0	%100
104	M56	Z	.73	.73	0	%100
105	M57	X	.168	.168	0	%100
106	M57	Z	.292	.292	0	%100
107	M58	X	.168	.168	0	%100
108	M58	Z	.292	.292	0	%100
109	M61	X	.01	.01	0	%100
110	M61	Z	.017	.017	0	%100
111	M62	X	.01	.01	0	%100
112	M62	Z	.017	.017	0	%100
113	M67	X	.01	.01	0	%100
114	M67	Z	.017	.017	0	%100
115	M68	X	.01	.01	0	%100
116	M68	Z	.017	.017	0	%100
117	M73	X	.01	.01	0	%100
118	M73	Z	.017	.017	0	%100
119	M74	X	.01	.01	0	%100
120	M74	Z	.017	.017	0	%100
121	M79	X	.01	.01	0	%100
122	M79	Z	.017	.017	0	%100
123	M80	X	.01	.01	0	%100
124	M80	Z	.017	.017	0	%100
125	M85	X	.01	.01	0	%100
126	M85	Z	.017	.017	0	%100
127	M86	X	.01	.01	0	%100
128	M86	Z	.017	.017	0	%100
129	M91	X	.01	.01	0	%100
130	M91	Z	.017	.017	0	%100
131	M92	X	.01	.01	0	%100
132	M92	Z	.017	.017	0	%100
133	M97	X	.038	.038	0	%100
134	M97	Z	.066	.066	0	%100
135	M98	X	.038	.038	0	%100





Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
193	MP2B	X	.24	.24	0	%100
194	MP2B	Z	.416	.416	0	%100
195	MP1B	X	.24	.24	0	%100
196	MP1B	Z	.416	.416	0	%100
197	MP4B	X	.24	.24	0	%100
198	MP4B	Z	.416	.416	0	%100
199	MP3A	X	.24	.24	0	%100
200	MP3A	Z	.416	.416	0	%100
201	MP3C	X	.24	.24	0	%100
202	MP3C	Z	.416	.416	0	%100
203	MP3B	X	.24	.24	0	%100
204	MP3B	Z	.416	.416	0	%100
205	M185A	X	.076	.076	0	%100
206	M185A	Z	.131	.131	0	%100
207	M186	X	.076	.076	0	%100
208	M186	Z	.131	.131	0	%100
209	M187	X	.227	.227	0	%100
210	M187	Z	.394	.394	0	%100
211	M188	X	.227	.227	0	%100
212	M188	Z	.394	.394	0	%100
213	M188A	X	.219	.219	0	%100
214	M188A	Z	.379	.379	0	%100
215	M189	X	.076	.076	0	%100
216	M189	Z	.131	.131	0	%100
217	M190	X	.076	.076	0	%100
218	M190	Z	.131	.131	0	%100
219	M197	X	.218	.218	0	%100
220	M197	Z	.378	.378	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	0	0	0	%100
223	M201A	X	.218	.218	0	%100
224	M201A	Z	.378	.378	0	%100
225	M212	X	.259	.259	0	%100
226	M212	Z	.448	.448	0	%100
227	M213	X	.259	.259	0	%100
228	M213	Z	.448	.448	0	%100
229	M214	X	.355	.355	0	%100
230	M214	Z	.614	.614	0	%100
231	M215	X	.355	.355	0	%100
232	M215	Z	.614	.614	0	%100
233	M216	X	.259	.259	0	%100
234	M216	Z	.448	.448	0	%100
235	M217	X	.259	.259	0	%100
236	M217	Z	.448	.448	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	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	.101	.101	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	.626	.626	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.025	.025	0	%100
9	M7	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.%]
10	M7	Z	.626	.626	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.025	.025	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	1.685	1.685	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	.421	.421	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	.421	.421	0	%100
19	MP5B	X	0	0	0	%100
20	MP5B	Z	.479	.479	0	%100
21	MP5A	X	0	0	0	%100
22	MP5A	Z	.479	.479	0	%100
23	MP5C	X	0	0	0	%100
24	MP5C	Z	.479	.479	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	.607	.607	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.607	.607	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.152	.152	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	.152	.152	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.152	.152	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	.152	.152	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	1.011	1.011	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	.253	.253	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.253	.253	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	.607	.607	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	.607	.607	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	.152	.152	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	.152	.152	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	.152	.152	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	.152	.152	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	1.011	1.011	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	.253	.253	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	.253	.253	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	.607	.607	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	.607	.607	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	.152	.152	0	%100

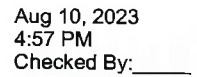


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
67	M38	X	0	0	0	%100
68	M38	Z	.152	.152	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	.152	.152	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	.152	.152	0	%100
73	M41	X	0	0	0	%100
74	M41	Z	.434	.434	0	%100
75	M201	X	0	0	0	%100
76	M201	Z	.434	.434	0	%100
77	M50	X	0	0	0	%100
78	M50	Z	.434	.434	0	%100
79	M44	X	0	0	0	%100
80	M44	Z	.434	.434	0	%100
81	M45	X	0	0	0	%100
82	M45	Z	.434	.434	0	%100
83	M203	X	0	0	0	%100
84	M203	Z	.434	.434	0	%100
85	M200	X	0	0	0	%100
86	M200	Z	.434	.434	0	%100
87	M48	X	0	0	0	%100
88	M48	Z	.434	.434	0	%100
89	M49	X	0	0	0	%100
90	M49	Z	.434	.434	0	%100
91	M202	X	0	0	0	%100
92	M202	Z	.434	.434	0	%100
93	M51	X	0	0	0	%100
94	M51	Z	.434	.434	0	%100
95	M52	X	0	0	0	%100
96	M52	Z	.434	.434	0	%100
97	M53	X	0	0	0	%100
98	M53	Z	1.456	1.456	0	%100
99	M54	X	0	0	0	%100
100	M54	Z	0	0	0	%100
101	M55	X	0	0	0	%100
102	M55	Z	0	0	0	%100
103	M56	X	0	0	0	%100
104	M56	Z	.674	.674	0	%100
105	M57	X	0	0	0	%100
106	M57	Z	.169	.169	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	.674	.674	0	%100
109	M61	X	0	0	0	%100
110	M61	Z	0	0	0	%100
111	M62	X	0	0	0	%100
112	M62	Z	0	0	0	%100
113	M67	X	0	0	0	%100
114	M67	Z	0	0	0	%100
115	M68	X	0	0	0	%100
116	M68	Z	0	0	0	%100
117	M73	X	0	0	0	%100
118	M73	Z	0	0	0	%100
119	M74	X	0	0	0	%100
120	M74	Z	0	0	0	%100
121	M79	X	0	0	0	%100
122	M79	Z	0	0	0	%100
123	M80	X	0	0	0	%100

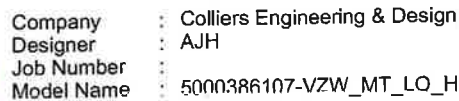


Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
181	MP2A	X	0	0	0	%100
182	MP2A	Z	.48	.48	0	%100
183	MP1A	X	0	0	0	%100
184	MP1A	Z	.48	.48	0	%100
185	MP4A	X	0	0	0	%100
186	MP4A	Z	.48	.48	0	%100
187	MP2C	X	0	0	0	%100
188	MP2C	Z	.48	.48	0	%100
189	MP1C	X	0	0	0	%100
190	MP1C	Z	.48	.48	0	%100
191	MP4C	X	0	0	0	%100
192	MP4C	Z	.48	.48	0	%100
193	MP2B	X	0	0	0	%100
194	MP2B	Z	.48	.48	0	%100
195	MP1B	X	0	0	0	%100
196	MP1B	Z	.48	.48	0	%100
197	MP4B	X	0	0	0	%100
198	MP4B	Z	.48	.48	0	%100
199	MP3A	X	0	0	0	%100
200	MP3A	Z	.48	.48	0	%100
201	MP3C	X	0	0	0	%100
202	MP3C	Z	.48	.48	0	%100
203	MP3B	X	0	0	0	%100
204	MP3B	Z	.48	.48	0	%100
205	M185A	X	0	0	0	%100
206	M185A	Z	0	0	0	%100
207	M186	X	0	0	0	%100
208	M186	Z	0	0	0	%100
209	M187	X	0	0	0	%100
210	M187	Z	.607	.607	0	%100
211	M188	X	0	0	0	%100
212	M188	Z	.607	.607	0	%100
213	M188A	X	0	0	0	%100
214	M188A	Z	.438	.438	0	%100
215	M189	X	0	0	0	%100
216	M189	Z	0	0	0	%100
217	M190	X	0	0	0	%100
218	M190	Z	0	0	0	%100
219	M197	X	0	0	0	%100
220	M197	Z	.581	.581	0	%100
221	M196	X	0	0	0	%100
222	M196	Z	.145	.145	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	.145	.145	0	%100
225	M212	X	0	0	0	%100
226	M212	Z	.453	.453	0	%100
227	M213	X	0	0	0	%100
228	M213	Z	.453	.453	0	%100
229	M214	X	0	0	0	%100
230	M214	Z	.645	.645	0	%100
231	M215	X	0	0	0	%100
232	M215	Z	.645	.645	0	%100
233	M216	X	0	0	0	%100
234	M216	Z	.645	.645	0	%100
235	M217	X	0	0	0	%100
236	M217	Z	.645	.645	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	-.104	-.104	0	%100
2	M1	Z	.181	.181	0	%100
3	M3	X	-.038	-.038	0	%100
4	M3	Z	.066	.066	0	%100
5	M4	X	-.104	-.104	0	%100
6	M4	Z	.181	.181	0	%100
7	M6	X	-.038	-.038	0	%100
8	M6	Z	.066	.066	0	%100
9	M7	X	-.417	-.417	0	%100
10	M7	Z	.722	.722	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	-.632	-.632	0	%100
14	M10	Z	1.094	1.094	0	%100
15	M11	X	-.632	-.632	0	%100
16	M11	Z	1.094	1.094	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	0	0	0	%100
19	MP5B	X	-.239	-.239	0	%100
20	MP5B	Z	.415	.415	0	%100
21	MP5A	X	-.239	-.239	0	%100
22	MP5A	Z	.415	.415	0	%100
23	MP5C	X	-.239	-.239	0	%100
24	MP5C	Z	.415	.415	0	%100
25	M16	X	-.227	-.227	0	%100
26	M16	Z	.394	.394	0	%100
27	M18	X	-.227	-.227	0	%100
28	M18	Z	.394	.394	0	%100
29	M19	X	-.227	-.227	0	%100
30	M19	Z	.394	.394	0	%100
31	M20	X	-.227	-.227	0	%100
32	M20	Z	.394	.394	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-.379	-.379	0	%100
38	M23	Z	.657	.657	0	%100
39	M24	X	-.379	-.379	0	%100
40	M24	Z	.657	.657	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-.227	-.227	0	%100
44	M26	Z	.394	.394	0	%100
45	M27	X	-.227	-.227	0	%100
46	M27	Z	.394	.394	0	%100
47	M28	X	-.227	-.227	0	%100
48	M28	Z	.394	.394	0	%100
49	M29	X	-.227	-.227	0	%100
50	M29	Z	.394	.394	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-.379	-.379	0	%100
56	M32	Z	.657	.657	0	%100
57	M33	X	-.379	-.379	0	%100



Aug 10, 2023
4:57 PM
Checked By: _____

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.%)
58	M33	Z	.657	.657	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-.227	-.227	0	%100
62	M35	Z	.394	.394	0	%100
63	M36	X	-.227	-.227	0	%100
64	M36	Z	.394	.394	0	%100
65	M37	X	-.227	-.227	0	%100
66	M37	Z	.394	.394	0	%100
67	M38	X	-.227	-.227	0	%100
68	M38	Z	.394	.394	0	%100
69	M39	X	0	0	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	0	0	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	-.217	-.217	0	%100
74	M41	Z	.376	.376	0	%100
75	M201	X	-.217	-.217	0	%100
76	M201	Z	.376	.376	0	%100
77	M50	X	-.217	-.217	0	%100
78	M50	Z	.376	.376	0	%100
79	M44	X	-.217	-.217	0	%100
80	M44	Z	.376	.376	0	%100
81	M45	X	-.217	-.217	0	%100
82	M45	Z	.376	.376	0	%100
83	M203	X	-.217	-.217	0	%100
84	M203	Z	.376	.376	0	%100
85	M200	X	-.217	-.217	0	%100
86	M200	Z	.376	.376	0	%100
87	M48	X	-.217	-.217	0	%100
88	M48	Z	.376	.376	0	%100
89	M49	X	-.217	-.217	0	%100
90	M49	Z	.376	.376	0	%100
91	M202	X	-.217	-.217	0	%100
92	M202	Z	.376	.376	0	%100
93	M51	X	-.217	-.217	0	%100
94	M51	Z	.376	.376	0	%100
95	M52	X	-.217	-.217	0	%100
96	M52	Z	.376	.376	0	%100
97	M53	X	-.546	-.546	0	%100
98	M53	Z	.946	.946	0	%100
99	M54	X	-.106	-.106	0	%100
100	M54	Z	.183	.183	0	%100
101	M55	X	-.106	-.106	0	%100
102	M55	Z	.183	.183	0	%100
103	M56	X	-.168	-.168	0	%100
104	M56	Z	.292	.292	0	%100
105	M57	X	-.168	-.168	0	%100
106	M57	Z	.292	.292	0	%100
107	M58	X	-.421	-.421	0	%100
108	M58	Z	.73	.73	0	%100
109	M61	X	-.01	-.01	0	%100
110	M61	Z	.017	.017	0	%100
111	M62	X	-.01	-.01	0	%100
112	M62	Z	.017	.017	0	%100
113	M67	X	-.01	-.01	0	%100
114	M67	Z	.017	.017	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.%]
115	M68	X	-.01	-.01	0	%100
116	M68	Z	.017	.017	0	%100
117	M73	X	-.01	-.01	0	%100
118	M73	Z	.017	.017	0	%100
119	M74	X	-.01	-.01	0	%100
120	M74	Z	.017	.017	0	%100
121	M79	X	-.01	-.01	0	%100
122	M79	Z	.017	.017	0	%100
123	M80	X	-.01	-.01	0	%100
124	M80	Z	.017	.017	0	%100
125	M85	X	-.01	-.01	0	%100
126	M85	Z	.017	.017	0	%100
127	M86	X	-.01	-.01	0	%100
128	M86	Z	.017	.017	0	%100
129	M91	X	-.01	-.01	0	%100
130	M91	Z	.017	.017	0	%100
131	M92	X	-.01	-.01	0	%100
132	M92	Z	.017	.017	0	%100
133	M97	X	-.01	-.01	0	%100
134	M97	Z	.017	.017	0	%100
135	M98	X	-.01	-.01	0	%100
136	M98	Z	.017	.017	0	%100
137	M103	X	-.01	-.01	0	%100
138	M103	Z	.017	.017	0	%100
139	M104	X	-.01	-.01	0	%100
140	M104	Z	.017	.017	0	%100
141	M109	X	-.01	-.01	0	%100
142	M109	Z	.017	.017	0	%100
143	M110	X	-.01	-.01	0	%100
144	M110	Z	.017	.017	0	%100
145	M115	X	-.01	-.01	0	%100
146	M115	Z	.017	.017	0	%100
147	M116	X	-.01	-.01	0	%100
148	M116	Z	.017	.017	0	%100
149	M121	X	-.01	-.01	0	%100
150	M121	Z	.017	.017	0	%100
151	M122	X	-.01	-.01	0	%100
152	M122	Z	.017	.017	0	%100
153	M127	X	-.01	-.01	0	%100
154	M127	Z	.017	.017	0	%100
155	M128	X	-.01	-.01	0	%100
156	M128	Z	.017	.017	0	%100
157	M133	X	-.038	-.038	0	%100
158	M133	Z	.066	.066	0	%100
159	M134	X	-.038	-.038	0	%100
160	M134	Z	.066	.066	0	%100
161	M139	X	-.038	-.038	0	%100
162	M139	Z	.066	.066	0	%100
163	M140	X	-.038	-.038	0	%100
164	M140	Z	.066	.066	0	%100
165	M145	X	-.038	-.038	0	%100
166	M145	Z	.066	.066	0	%100
167	M146	X	-.038	-.038	0	%100
168	M146	Z	.066	.066	0	%100
169	M151	X	-.038	-.038	0	%100
170	M151	Z	.066	.066	0	%100
171	M152	X	-.038	-.038	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.%]
172	M152	Z	.066	.066	0	%100
173	M157	X	-.038	-.038	0	%100
174	M157	Z	.066	.066	0	%100
175	M158	X	-.038	-.038	0	%100
176	M158	Z	.066	.066	0	%100
177	M163	X	-.038	-.038	0	%100
178	M163	Z	.066	.066	0	%100
179	M164	X	-.038	-.038	0	%100
180	M164	Z	.066	.066	0	%100
181	MP2A	X	-.24	-.24	0	%100
182	MP2A	Z	.416	.416	0	%100
183	MP1A	X	-.24	-.24	0	%100
184	MP1A	Z	.416	.416	0	%100
185	MP4A	X	-.24	-.24	0	%100
186	MP4A	Z	.416	.416	0	%100
187	MP2C	X	-.24	-.24	0	%100
188	MP2C	Z	.416	.416	0	%100
189	MP1C	X	-.24	-.24	0	%100
190	MP1C	Z	.416	.416	0	%100
191	MP4C	X	-.24	-.24	0	%100
192	MP4C	Z	.416	.416	0	%100
193	MP2B	X	-.24	-.24	0	%100
194	MP2B	Z	.416	.416	0	%100
195	MP1B	X	-.24	-.24	0	%100
196	MP1B	Z	.416	.416	0	%100
197	MP4B	X	-.24	-.24	0	%100
198	MP4B	Z	.416	.416	0	%100
199	MP3A	X	-.24	-.24	0	%100
200	MP3A	Z	.416	.416	0	%100
201	MP3C	X	-.24	-.24	0	%100
202	MP3C	Z	.416	.416	0	%100
203	MP3B	X	-.24	-.24	0	%100
204	MP3B	Z	.416	.416	0	%100
205	M185A	X	-.076	-.076	0	%100
206	M185A	Z	.131	.131	0	%100
207	M186	X	-.076	-.076	0	%100
208	M186	Z	.131	.131	0	%100
209	M187	X	-.227	-.227	0	%100
210	M187	Z	.394	.394	0	%100
211	M188	X	-.227	-.227	0	%100
212	M188	Z	.394	.394	0	%100
213	M188A	X	-.219	-.219	0	%100
214	M188A	Z	.379	.379	0	%100
215	M189	X	-.076	-.076	0	%100
216	M189	Z	.131	.131	0	%100
217	M190	X	-.076	-.076	0	%100
218	M190	Z	.131	.131	0	%100
219	M197	X	-.218	-.218	0	%100
220	M197	Z	.378	.378	0	%100
221	M196	X	-.218	-.218	0	%100
222	M196	Z	.378	.378	0	%100
223	M201A	X	0	0	0	%100
224	M201A	Z	0	0	0	%100
225	M212	X	-.259	-.259	0	%100
226	M212	Z	.448	.448	0	%100
227	M213	X	-.259	-.259	0	%100
228	M213	Z	.448	.448	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.%]
229	M214	X	-.259	-.259	0	%100
230	M214	Z	.448	.448	0	%100
231	M215	X	-.259	-.259	0	%100
232	M215	Z	.448	.448	0	%100
233	M216	X	-.355	-.355	0	%100
234	M216	Z	.614	.614	0	%100
235	M217	X	-.355	-.355	0	%100
236	M217	Z	.614	.614	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.542	-.542	0	%100
2	M1	Z	.313	.313	0	%100
3	M3	X	-.022	-.022	0	%100
4	M3	Z	.013	.013	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	-.088	-.088	0	%100
8	M6	Z	.051	.051	0	%100
9	M7	X	-.542	-.542	0	%100
10	M7	Z	.313	.313	0	%100
11	M9	X	-.022	-.022	0	%100
12	M9	Z	.013	.013	0	%100
13	M10	X	-.365	-.365	0	%100
14	M10	Z	.211	.211	0	%100
15	M11	X	-1.459	-1.459	0	%100
16	M11	Z	.842	.842	0	%100
17	M12	X	-.365	-.365	0	%100
18	M12	Z	.211	.211	0	%100
19	MP5B	X	-.415	-.415	0	%100
20	MP5B	Z	.239	.239	0	%100
21	MP5A	X	-.415	-.415	0	%100
22	MP5A	Z	.239	.239	0	%100
23	MP5C	X	-.415	-.415	0	%100
24	MP5C	Z	.239	.239	0	%100
25	M16	X	-.131	-.131	0	%100
26	M16	Z	.076	.076	0	%100
27	M18	X	-.131	-.131	0	%100
28	M18	Z	.076	.076	0	%100
29	M19	X	-.525	-.525	0	%100
30	M19	Z	.303	.303	0	%100
31	M20	X	-.525	-.525	0	%100
32	M20	Z	.303	.303	0	%100
33	M21	X	-.131	-.131	0	%100
34	M21	Z	.076	.076	0	%100
35	M22	X	-.131	-.131	0	%100
36	M22	Z	.076	.076	0	%100
37	M23	X	-.219	-.219	0	%100
38	M23	Z	.126	.126	0	%100
39	M24	X	-.876	-.876	0	%100
40	M24	Z	.505	.505	0	%100
41	M25	X	-.219	-.219	0	%100
42	M25	Z	.126	.126	0	%100
43	M26	X	-.131	-.131	0	%100
44	M26	Z	.076	.076	0	%100
45	M27	X	-.131	-.131	0	%100



Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
46	M27	Z	.076	.076	0	%100
47	M28	X	-.525	-.525	0	%100
48	M28	Z	.303	.303	0	%100
49	M29	X	-.525	-.525	0	%100
50	M29	Z	.303	.303	0	%100
51	M30	X	-.131	-.131	0	%100
52	M30	Z	.076	.076	0	%100
53	M31	X	-.131	-.131	0	%100
54	M31	Z	.076	.076	0	%100
55	M32	X	-.219	-.219	0	%100
56	M32	Z	.126	.126	0	%100
57	M33	X	-.876	-.876	0	%100
58	M33	Z	.505	.505	0	%100
59	M34	X	-.219	-.219	0	%100
60	M34	Z	.126	.126	0	%100
61	M35	X	-.131	-.131	0	%100
62	M35	Z	.076	.076	0	%100
63	M36	X	-.131	-.131	0	%100
64	M36	Z	.076	.076	0	%100
65	M37	X	-.525	-.525	0	%100
66	M37	Z	.303	.303	0	%100
67	M38	X	-.525	-.525	0	%100
68	M38	Z	.303	.303	0	%100
69	M39	X	-.131	-.131	0	%100
70	M39	Z	.076	.076	0	%100
71	M40	X	-.131	-.131	0	%100
72	M40	Z	.076	.076	0	%100
73	M41	X	-.376	-.376	0	%100
74	M41	Z	.217	.217	0	%100
75	M201	X	-.376	-.376	0	%100
76	M201	Z	.217	.217	0	%100
77	M50	X	-.376	-.376	0	%100
78	M50	Z	.217	.217	0	%100
79	M44	X	-.376	-.376	0	%100
80	M44	Z	.217	.217	0	%100
81	M45	X	-.376	-.376	0	%100
82	M45	Z	.217	.217	0	%100
83	M203	X	-.376	-.376	0	%100
84	M203	Z	.217	.217	0	%100
85	M200	X	-.376	-.376	0	%100
86	M200	Z	.217	.217	0	%100
87	M48	X	-.376	-.376	0	%100
88	M48	Z	.217	.217	0	%100
89	M49	X	-.376	-.376	0	%100
90	M49	Z	.217	.217	0	%100
91	M202	X	-.376	-.376	0	%100
92	M202	Z	.217	.217	0	%100
93	M51	X	-.376	-.376	0	%100
94	M51	Z	.217	.217	0	%100
95	M52	X	-.376	-.376	0	%100
96	M52	Z	.217	.217	0	%100
97	M53	X	-.315	-.315	0	%100
98	M53	Z	.182	.182	0	%100
99	M54	X	-.549	-.549	0	%100
100	M54	Z	.317	.317	0	%100
101	M55	X	-.549	-.549	0	%100
102	M55	Z	.317	.317	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.%]
103	M56	X	-.146	-.146	0	%100
104	M56	Z	.084	.084	0	%100
105	M57	X	-.584	-.584	0	%100
106	M57	Z	.337	.337	0	%100
107	M58	X	-.584	-.584	0	%100
108	M58	Z	.337	.337	0	%100
109	M61	X	-.05	-.05	0	%100
110	M61	Z	.029	.029	0	%100
111	M62	X	-.05	-.05	0	%100
112	M62	Z	.029	.029	0	%100
113	M67	X	-.05	-.05	0	%100
114	M67	Z	.029	.029	0	%100
115	M68	X	-.05	-.05	0	%100
116	M68	Z	.029	.029	0	%100
117	M73	X	-.05	-.05	0	%100
118	M73	Z	.029	.029	0	%100
119	M74	X	-.05	-.05	0	%100
120	M74	Z	.029	.029	0	%100
121	M79	X	-.05	-.05	0	%100
122	M79	Z	.029	.029	0	%100
123	M80	X	-.05	-.05	0	%100
124	M80	Z	.029	.029	0	%100
125	M85	X	-.05	-.05	0	%100
126	M85	Z	.029	.029	0	%100
127	M86	X	-.05	-.05	0	%100
128	M86	Z	.029	.029	0	%100
129	M91	X	-.05	-.05	0	%100
130	M91	Z	.029	.029	0	%100
131	M92	X	-.05	-.05	0	%100
132	M92	Z	.029	.029	0	%100
133	M97	X	0	0	0	%100
134	M97	Z	0	0	0	%100
135	M98	X	0	0	0	%100
136	M98	Z	0	0	0	%100
137	M103	X	0	0	0	%100
138	M103	Z	0	0	0	%100
139	M104	X	0	0	0	%100
140	M104	Z	0	0	0	%100
141	M109	X	0	0	0	%100
142	M109	Z	0	0	0	%100
143	M110	X	0	0	0	%100
144	M110	Z	0	0	0	%100
145	M115	X	0	0	0	%100
146	M115	Z	0	0	0	%100
147	M116	X	0	0	0	%100
148	M116	Z	0	0	0	%100
149	M121	X	0	0	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	0	0	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	0	0	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	0	0	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	-.05	-.05	0	%100
158	M133	Z	.029	.029	0	%100
159	M134	X	-.05	-.05	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.%]
160	M134	Z	.029	.029	0	%100
161	M139	X	-.05	-.05	0	%100
162	M139	Z	.029	.029	0	%100
163	M140	X	-.05	-.05	0	%100
164	M140	Z	.029	.029	0	%100
165	M145	X	-.05	-.05	0	%100
166	M145	Z	.029	.029	0	%100
167	M146	X	-.05	-.05	0	%100
168	M146	Z	.029	.029	0	%100
169	M151	X	-.05	-.05	0	%100
170	M151	Z	.029	.029	0	%100
171	M152	X	-.05	-.05	0	%100
172	M152	Z	.029	.029	0	%100
173	M157	X	-.05	-.05	0	%100
174	M157	Z	.029	.029	0	%100
175	M158	X	-.05	-.05	0	%100
176	M158	Z	.029	.029	0	%100
177	M163	X	-.05	-.05	0	%100
178	M163	Z	.029	.029	0	%100
179	M164	X	-.05	-.05	0	%100
180	M164	Z	.029	.029	0	%100
181	MP2A	X	-.416	-.416	0	%100
182	MP2A	Z	.24	.24	0	%100
183	MP1A	X	-.416	-.416	0	%100
184	MP1A	Z	.24	.24	0	%100
185	MP4A	X	-.416	-.416	0	%100
186	MP4A	Z	.24	.24	0	%100
187	MP2C	X	-.416	-.416	0	%100
188	MP2C	Z	.24	.24	0	%100
189	MP1C	X	-.416	-.416	0	%100
190	MP1C	Z	.24	.24	0	%100
191	MP4C	X	-.416	-.416	0	%100
192	MP4C	Z	.24	.24	0	%100
193	MP2B	X	-.416	-.416	0	%100
194	MP2B	Z	.24	.24	0	%100
195	MP1B	X	-.416	-.416	0	%100
196	MP1B	Z	.24	.24	0	%100
197	MP4B	X	-.416	-.416	0	%100
198	MP4B	Z	.24	.24	0	%100
199	MP3A	X	-.416	-.416	0	%100
200	MP3A	Z	.24	.24	0	%100
201	MP3C	X	-.416	-.416	0	%100
202	MP3C	Z	.24	.24	0	%100
203	MP3B	X	-.416	-.416	0	%100
204	MP3B	Z	.24	.24	0	%100
205	M185A	X	-.394	-.394	0	%100
206	M185A	Z	.227	.227	0	%100
207	M186	X	-.394	-.394	0	%100
208	M186	Z	.227	.227	0	%100
209	M187	X	-.131	-.131	0	%100
210	M187	Z	.076	.076	0	%100
211	M188	X	-.131	-.131	0	%100
212	M188	Z	.076	.076	0	%100
213	M188A	X	-.379	-.379	0	%100
214	M188A	Z	.219	.219	0	%100
215	M189	X	-.394	-.394	0	%100
216	M189	Z	.227	.227	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.%]
217	M190	X	-.394	-.394	0	%100
218	M190	Z	.227	.227	0	%100
219	M197	X	-.126	-.126	0	%100
220	M197	Z	.073	.073	0	%100
221	M196	X	-.503	-.503	0	%100
222	M196	Z	.291	.291	0	%100
223	M201A	X	-.126	-.126	0	%100
224	M201A	Z	.073	.073	0	%100
225	M212	X	-.559	-.559	0	%100
226	M212	Z	.323	.323	0	%100
227	M213	X	-.559	-.559	0	%100
228	M213	Z	.323	.323	0	%100
229	M214	X	-.393	-.393	0	%100
230	M214	Z	.227	.227	0	%100
231	M215	X	-.393	-.393	0	%100
232	M215	Z	.227	.227	0	%100
233	M216	X	-.559	-.559	0	%100
234	M216	Z	.323	.323	0	%100
235	M217	X	-.559	-.559	0	%100
236	M217	Z	.323	.323	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	-.834	-.834	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M4	X	-.209	-.209	0	%100
6	M4	Z	0	0	0	%100
7	M6	X	-.076	-.076	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.209	-.209	0	%100
10	M7	Z	0	0	0	%100
11	M9	X	-.076	-.076	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	-1.264	-1.264	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-1.264	-1.264	0	%100
18	M12	Z	0	0	0	%100
19	MP5B	X	-.479	-.479	0	%100
20	MP5B	Z	0	0	0	%100
21	MP5A	X	-.479	-.479	0	%100
22	MP5A	Z	0	0	0	%100
23	MP5C	X	-.479	-.479	0	%100
24	MP5C	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-.455	-.455	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.455	-.455	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.455	-.455	0	%100

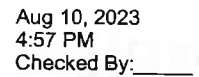


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
34	M21	Z	0	0	0	%100
35	M22	X	-.455	-.455	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-.758	-.758	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-.758	-.758	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-.455	-.455	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-.455	-.455	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-.455	-.455	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-.455	-.455	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-.758	-.758	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-.758	-.758	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	0	0	0	%100
65	M37	X	-.455	-.455	0	%100
66	M37	Z	0	0	0	%100
67	M38	X	-.455	-.455	0	%100
68	M38	Z	0	0	0	%100
69	M39	X	-.455	-.455	0	%100
70	M39	Z	0	0	0	%100
71	M40	X	-.455	-.455	0	%100
72	M40	Z	0	0	0	%100
73	M41	X	-.434	-.434	0	%100
74	M41	Z	0	0	0	%100
75	M201	X	-.434	-.434	0	%100
76	M201	Z	0	0	0	%100
77	M50	X	-.434	-.434	0	%100
78	M50	Z	0	0	0	%100
79	M44	X	-.434	-.434	0	%100
80	M44	Z	0	0	0	%100
81	M45	X	-.434	-.434	0	%100
82	M45	Z	0	0	0	%100
83	M203	X	-.434	-.434	0	%100
84	M203	Z	0	0	0	%100
85	M200	X	-.434	-.434	0	%100
86	M200	Z	0	0	0	%100
87	M48	X	-.434	-.434	0	%100
88	M48	Z	0	0	0	%100
89	M49	X	-.434	-.434	0	%100
90	M49	Z	0	0	0	%100



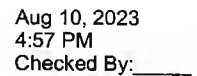


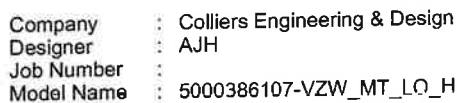
Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

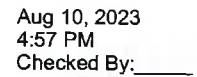
Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
148	M116	Z	0	0	0	%100
149	M121	X	-.019	-.019	0	%100
150	M121	Z	0	0	0	%100
151	M122	X	-.019	-.019	0	%100
152	M122	Z	0	0	0	%100
153	M127	X	-.019	-.019	0	%100
154	M127	Z	0	0	0	%100
155	M128	X	-.019	-.019	0	%100
156	M128	Z	0	0	0	%100
157	M133	X	-.019	-.019	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	-.019	-.019	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	-.019	-.019	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	-.019	-.019	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	-.019	-.019	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	-.019	-.019	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	-.019	-.019	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	-.019	-.019	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	-.019	-.019	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	-.019	-.019	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	-.019	-.019	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	-.019	-.019	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	-.48	-.48	0	%100
182	MP2A	Z	0	0	0	%100
183	MP1A	X	-.48	-.48	0	%100
184	MP1A	Z	0	0	0	%100
185	MP4A	X	-.48	-.48	0	%100
186	MP4A	Z	0	0	0	%100
187	MP2C	X	-.48	-.48	0	%100
188	MP2C	Z	0	0	0	%100
189	MP1C	X	-.48	-.48	0	%100
190	MP1C	Z	0	0	0	%100
191	MP4C	X	-.48	-.48	0	%100
192	MP4C	Z	0	0	0	%100
193	MP2B	X	-.48	-.48	0	%100
194	MP2B	Z	0	0	0	%100
195	MP1B	X	-.48	-.48	0	%100
196	MP1B	Z	0	0	0	%100
197	MP4B	X	-.48	-.48	0	%100
198	MP4B	Z	0	0	0	%100
199	MP3A	X	-.48	-.48	0	%100
200	MP3A	Z	0	0	0	%100
201	MP3C	X	-.48	-.48	0	%100
202	MP3C	Z	0	0	0	%100
203	MP3B	X	-.48	-.48	0	%100
204	MP3B	Z	0	0	0	%100





Member Label	Direction	Start Magnitude(lb/ft....	End Magnitude(lb/ft.F...	Start Location(ft.%)	End Location(ft.%)	
22	MP5A	Z	-239	-239	0	%100
23	MP5C	X	-415	-415	0	%100
24	MP5C	Z	-239	-239	0	%100
25	M16	X	-131	-131	0	%100
26	M16	Z	-076	-076	0	%100
27	M18	X	-131	-131	0	%100
28	M18	Z	-076	-076	0	%100
29	M19	X	-131	-131	0	%100
30	M19	Z	-076	-076	0	%100
31	M20	X	-131	-131	0	%100
32	M20	Z	-076	-076	0	%100
33	M21	X	-525	-525	0	%100
34	M21	Z	-303	-303	0	%100
35	M22	X	-525	-525	0	%100
36	M22	Z	-303	-303	0	%100
37	M23	X	-219	-219	0	%100
38	M23	Z	-126	-126	0	%100
39	M24	X	-219	-219	0	%100
40	M24	Z	-126	-126	0	%100
41	M25	X	-876	-876	0	%100
42	M25	Z	-505	-505	0	%100
43	M26	X	-131	-131	0	%100
44	M26	Z	-076	-076	0	%100
45	M27	X	-131	-131	0	%100
46	M27	Z	-076	-076	0	%100
47	M28	X	-131	-131	0	%100
48	M28	Z	-076	-076	0	%100
49	M29	X	-131	-131	0	%100
50	M29	Z	-076	-076	0	%100
51	M30	X	-525	-525	0	%100
52	M30	Z	-303	-303	0	%100
53	M31	X	-525	-525	0	%100
54	M31	Z	-303	-303	0	%100
55	M32	X	-219	-219	0	%100
56	M32	Z	-126	-126	0	%100
57	M33	X	-219	-219	0	%100
58	M33	Z	-126	-126	0	%100
59	M34	X	-876	-876	0	%100
60	M34	Z	-505	-505	0	%100
61	M35	X	-131	-131	0	%100
62	M35	Z	-076	-076	0	%100
63	M36	X	-131	-131	0	%100
64	M36	Z	-076	-076	0	%100
65	M37	X	-131	-131	0	%100
66	M37	Z	-076	-076	0	%100
67	M38	X	-131	-131	0	%100
68	M38	Z	-076	-076	0	%100
69	M39	X	-525	-525	0	%100
70	M39	Z	-303	-303	0	%100
71	M40	X	-525	-525	0	%100
72	M40	Z	-303	-303	0	%100
73	M41	X	-376	-376	0	%100
74	M41	Z	-217	-217	0	%100
75	M201	X	-376	-376	0	%100
76	M201	Z	-217	-217	0	%100
77	M50	X	-376	-376	0	%100
78	M50	Z	-217	-217	0	%100





Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
136	M98	Z	-.029	-.029	0	%100
137	M103	X	-.05	-.05	0	%100
138	M103	Z	-.029	-.029	0	%100
139	M104	X	-.05	-.05	0	%100
140	M104	Z	-.029	-.029	0	%100
141	M109	X	-.05	-.05	0	%100
142	M109	Z	-.029	-.029	0	%100
143	M110	X	-.05	-.05	0	%100
144	M110	Z	-.029	-.029	0	%100
145	M115	X	-.05	-.05	0	%100
146	M115	Z	-.029	-.029	0	%100
147	M116	X	-.05	-.05	0	%100
148	M116	Z	-.029	-.029	0	%100
149	M121	X	-.05	-.05	0	%100
150	M121	Z	-.029	-.029	0	%100
151	M122	X	-.05	-.05	0	%100
152	M122	Z	-.029	-.029	0	%100
153	M127	X	-.05	-.05	0	%100
154	M127	Z	-.029	-.029	0	%100
155	M128	X	-.05	-.05	0	%100
156	M128	Z	-.029	-.029	0	%100
157	M133	X	0	0	0	%100
158	M133	Z	0	0	0	%100
159	M134	X	0	0	0	%100
160	M134	Z	0	0	0	%100
161	M139	X	0	0	0	%100
162	M139	Z	0	0	0	%100
163	M140	X	0	0	0	%100
164	M140	Z	0	0	0	%100
165	M145	X	0	0	0	%100
166	M145	Z	0	0	0	%100
167	M146	X	0	0	0	%100
168	M146	Z	0	0	0	%100
169	M151	X	0	0	0	%100
170	M151	Z	0	0	0	%100
171	M152	X	0	0	0	%100
172	M152	Z	0	0	0	%100
173	M157	X	0	0	0	%100
174	M157	Z	0	0	0	%100
175	M158	X	0	0	0	%100
176	M158	Z	0	0	0	%100
177	M163	X	0	0	0	%100
178	M163	Z	0	0	0	%100
179	M164	X	0	0	0	%100
180	M164	Z	0	0	0	%100
181	MP2A	X	-.416	-.416	0	%100
182	MP2A	Z	-.24	-.24	0	%100
183	MP1A	X	-.416	-.416	0	%100
184	MP1A	Z	-.24	-.24	0	%100
185	MP4A	X	-.416	-.416	0	%100
186	MP4A	Z	-.24	-.24	0	%100
187	MP2C	X	-.416	-.416	0	%100
188	MP2C	Z	-.24	-.24	0	%100
189	MP1C	X	-.416	-.416	0	%100
190	MP1C	Z	-.24	-.24	0	%100
191	MP4C	X	-.416	-.416	0	%100
192	MP4C	Z	-.24	-.24	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.%]
193	MP2B	X	-.416	-.416	0	%100
194	MP2B	Z	-.24	-.24	0	%100
195	MP1B	X	-.416	-.416	0	%100
196	MP1B	Z	-.24	-.24	0	%100
197	MP4B	X	-.416	-.416	0	%100
198	MP4B	Z	-.24	-.24	0	%100
199	MP3A	X	-.416	-.416	0	%100
200	MP3A	Z	-.24	-.24	0	%100
201	MP3C	X	-.416	-.416	0	%100
202	MP3C	Z	-.24	-.24	0	%100
203	MP3B	X	-.416	-.416	0	%100
204	MP3B	Z	-.24	-.24	0	%100
205	M185A	X	-.394	-.394	0	%100
206	M185A	Z	-.227	-.227	0	%100
207	M186	X	-.394	-.394	0	%100
208	M186	Z	-.227	-.227	0	%100
209	M187	X	-.131	-.131	0	%100
210	M187	Z	-.076	-.076	0	%100
211	M188	X	-.131	-.131	0	%100
212	M188	Z	-.076	-.076	0	%100
213	M188A	X	-.379	-.379	0	%100
214	M188A	Z	-.219	-.219	0	%100
215	M189	X	-.394	-.394	0	%100
216	M189	Z	-.227	-.227	0	%100
217	M190	X	-.394	-.394	0	%100
218	M190	Z	-.227	-.227	0	%100
219	M197	X	-.126	-.126	0	%100
220	M197	Z	-.073	-.073	0	%100
221	M196	X	-.126	-.126	0	%100
222	M196	Z	-.073	-.073	0	%100
223	M201A	X	-.503	-.503	0	%100
224	M201A	Z	-.291	-.291	0	%100
225	M212	X	-.559	-.559	0	%100
226	M212	Z	-.323	-.323	0	%100
227	M213	X	-.559	-.559	0	%100
228	M213	Z	-.323	-.323	0	%100
229	M214	X	-.559	-.559	0	%100
230	M214	Z	-.323	-.323	0	%100
231	M215	X	-.559	-.559	0	%100
232	M215	Z	-.323	-.323	0	%100
233	M216	X	-.393	-.393	0	%100
234	M216	Z	-.227	-.227	0	%100
235	M217	X	-.393	-.393	0	%100
236	M217	Z	-.227	-.227	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	-.104	-.104	0	%100
2	M1	Z	-.181	-.181	0	%100
3	M3	X	-.038	-.038	0	%100
4	M3	Z	-.066	-.066	0	%100
5	M4	X	-.417	-.417	0	%100
6	M4	Z	-.722	-.722	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.104	-.104	0	%100

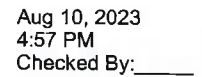


Company : Colliers Engineering & Design
 Designer : AJH
 Job Number :
 Model Name : 5000386107-VZW_MT_LO_H

Aug 10, 2023
 4:57 PM
 Checked By: _____

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.%]
10	M7	Z	-.181	-.181	0	%100
11	M9	X	-.038	-.038	0	%100
12	M9	Z	-.066	-.066	0	%100
13	M10	X	-.632	-.632	0	%100
14	M10	Z	-1.094	-1.094	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-.632	-.632	0	%100
18	M12	Z	-1.094	-1.094	0	%100
19	MP5B	X	-.239	-.239	0	%100
20	MP5B	Z	-.415	-.415	0	%100
21	MP5A	X	-.239	-.239	0	%100
22	MP5A	Z	-.415	-.415	0	%100
23	MP5C	X	-.239	-.239	0	%100
24	MP5C	Z	-.415	-.415	0	%100
25	M16	X	-.227	-.227	0	%100
26	M16	Z	-.394	-.394	0	%100
27	M18	X	-.227	-.227	0	%100
28	M18	Z	-.394	-.394	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.227	-.227	0	%100
34	M21	Z	-.394	-.394	0	%100
35	M22	X	-.227	-.227	0	%100
36	M22	Z	-.394	-.394	0	%100
37	M23	X	-.379	-.379	0	%100
38	M23	Z	-.657	-.657	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-.379	-.379	0	%100
42	M25	Z	-.657	-.657	0	%100
43	M26	X	-.227	-.227	0	%100
44	M26	Z	-.394	-.394	0	%100
45	M27	X	-.227	-.227	0	%100
46	M27	Z	-.394	-.394	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-.227	-.227	0	%100
52	M30	Z	-.394	-.394	0	%100
53	M31	X	-.227	-.227	0	%100
54	M31	Z	-.394	-.394	0	%100
55	M32	X	-.379	-.379	0	%100
56	M32	Z	-.657	-.657	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-.379	-.379	0	%100
60	M34	Z	-.657	-.657	0	%100
61	M35	X	-.227	-.227	0	%100
62	M35	Z	-.394	-.394	0	%100
63	M36	X	-.227	-.227	0	%100
64	M36	Z	-.394	-.394	0	%100
65	M37	X	0	0	0	%100
66	M37	Z	0	0	0	%100





Company : Colliers Engineering & Design
Designer : AJH
Job Number :
Model Name : 5000386107-VZW_MT LO H

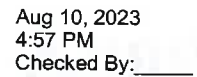
Aug 10, 2023

4:57 PM

Checked By: _____

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,%]
124	M80	Z	-.017	-.017	0	%100
125	M85	X	-.01	-.01	0	%100
126	M85	Z	-.017	-.017	0	%100
127	M86	X	-.01	-.01	0	%100
128	M86	Z	-.017	-.017	0	%100
129	M91	X	-.01	-.01	0	%100
130	M91	Z	-.017	-.017	0	%100
131	M92	X	-.01	-.01	0	%100
132	M92	Z	-.017	-.017	0	%100
133	M97	X	-.038	-.038	0	%100
134	M97	Z	-.066	-.066	0	%100
135	M98	X	-.038	-.038	0	%100
136	M98	Z	-.066	-.066	0	%100
137	M103	X	-.038	-.038	0	%100
138	M103	Z	-.066	-.066	0	%100
139	M104	X	-.038	-.038	0	%100
140	M104	Z	-.066	-.066	0	%100
141	M109	X	-.038	-.038	0	%100
142	M109	Z	-.066	-.066	0	%100
143	M110	X	-.038	-.038	0	%100
144	M110	Z	-.066	-.066	0	%100
145	M115	X	-.038	-.038	0	%100
146	M115	Z	-.066	-.066	0	%100
147	M116	X	-.038	-.038	0	%100
148	M116	Z	-.066	-.066	0	%100
149	M121	X	-.038	-.038	0	%100
150	M121	Z	-.066	-.066	0	%100
151	M122	X	-.038	-.038	0	%100
152	M122	Z	-.066	-.066	0	%100
153	M127	X	-.038	-.038	0	%100
154	M127	Z	-.066	-.066	0	%100
155	M128	X	-.038	-.038	0	%100
156	M128	Z	-.066	-.066	0	%100
157	M133	X	-.01	-.01	0	%100
158	M133	Z	-.017	-.017	0	%100
159	M134	X	-.01	-.01	0	%100
160	M134	Z	-.017	-.017	0	%100
161	M139	X	-.01	-.01	0	%100
162	M139	Z	-.017	-.017	0	%100
163	M140	X	-.01	-.01	0	%100
164	M140	Z	-.017	-.017	0	%100
165	M145	X	-.01	-.01	0	%100
166	M145	Z	-.017	-.017	0	%100
167	M146	X	-.01	-.01	0	%100
168	M146	Z	-.017	-.017	0	%100
169	M151	X	-.01	-.01	0	%100
170	M151	Z	-.017	-.017	0	%100
171	M152	X	-.01	-.01	0	%100
172	M152	Z	-.017	-.017	0	%100
173	M157	X	-.01	-.01	0	%100
174	M157	Z	-.017	-.017	0	%100
175	M158	X	-.01	-.01	0	%100
176	M158	Z	-.017	-.017	0	%100
177	M163	X	-.01	-.01	0	%100
178	M163	Z	-.017	-.017	0	%100
179	M164	X	-.01	-.01	0	%100
180	M164	Z	-.017	-.017	0	%100

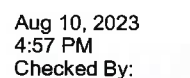


Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M9	Y	-3.694	-3.694	0	1.167
2	M10	Y	-1.976	-3.762	7.7	8.983
3	M10	Y	-3.762	-6.435	8.983	10.267
4	M10	Y	-6.435	-4.851	10.267	11.55
5	M10	Y	-4.851	-264	11.55	12.833
6	M55	Y	-6.537	-3.762	0	2.027
7	M11	Y	-155	-4.363	0	1.283
8	M11	Y	-4.363	-9.474	1.283	2.567
9	M11	Y	-9.474	-10.539	2.567	3.85
10	M11	Y	-10.539	-4.651	3.85	5.133
11	M11	Y	-4.651	-155	5.133	6.417
12	M53	Y	-7.261	-7.261	5.805	7.018
13	M55	Y	-5.291	-6.67	1.014	2.365
14	M55	Y	-6.67	-6.924	2.365	3.716
15	M55	Y	-6.924	-6.052	3.716	5.068
16	M3	Y	-2.51	-2.51	.083	1.083
17	M11	Y	-2.1	-6.515	6.417	8.021
18	M11	Y	-6.515	-8.823	8.021	9.625
19	M11	Y	-8.823	-5.549	9.625	11.229
20	M11	Y	-5.549	-487	11.229	12.833
21	M12	Y	-487	-5.536	0	1.604
22	M12	Y	-5.536	-8.805	1.604	3.208
23	M12	Y	-8.805	-6.517	3.208	4.812
24	M12	Y	-6.517	-2.114	4.812	6.417
25	M53	Y	-1.902	-4.762	0	1.404
26	M53	Y	-4.762	-9.753	1.404	2.807
27	M53	Y	-9.753	-9.745	2.807	4.211
28	M53	Y	-9.745	-4.754	4.211	5.614
29	M53	Y	-4.754	-1.911	5.614	7.018
30	M12	Y	-155	-4.651	6.417	7.7
31	M12	Y	-4.651	-10.539	7.7	8.983
32	M12	Y	-10.539	-9.474	8.983	10.267
33	M12	Y	-9.474	-4.363	10.267	11.55
34	M12	Y	-4.363	-155	11.55	12.833
35	M53	Y	-7.261	-7.261	0	1.213
36	M54	Y	-6.052	-6.924	0	1.351
37	M54	Y	-6.924	-6.67	1.351	2.703
38	M54	Y	-6.67	-5.291	2.703	4.054
39	M6	Y	-463	-6.924	0	1.167
40	M10	Y	-265	-4.851	0	1.283
41	M10	Y	-4.851	-6.436	1.283	2.567
42	M10	Y	-6.436	-3.763	2.567	3.85
43	M10	Y	-3.763	-1.975	3.85	5.133
44	M54	Y	-5.447	-4.851	3.041	5.068
45	M54	Y	-6.673	-6.673	3.318	5.068
46	M55	Y	-6.673	-6.673	3.886e-16	1.75

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M9	Y	-7.104	-7.104	0	1.167
2	M10	Y	-3.799	-7.234	7.7	8.983
3	M10	Y	-7.234	-12.375	8.983	10.267
4	M10	Y	-12.375	-9.328	10.267	11.55
5	M10	Y	-9.328	-509	11.55	12.833
6	M55	Y	-12.572	-7.234	0	2.027
7	M11	Y	-299	-8.39	0	1.283



	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M9	Y	-.192	-.192	0	1.167
2	M10	Y	-.103	-.195	7.7	8.983
3	M10	Y	-.195	-.334	8.983	10.267
4	M10	Y	-.334	-.252	10.267	11.55
5	M10	Y	-.252	-.014	11.55	12.833
6	M55	Y	-.339	-.195	0	2.027
7	M11	Y	-.008	-.227	0	1.283
8	M11	Y	-.227	-.492	1.283	2.567
9	M11	Y	-.492	-.547	2.567	3.85
10	M11	Y	-.547	-.242	3.85	5.133
11	M11	Y	-.242	-.008	5.133	6.417
12	M53	Y	-.377	-.377	5.805	7.018
13	M55	Y	-.275	-.346	1.014	2.365
14	M55	Y	-.346	-.36	2.365	3.716

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
15	M55	Y	-.36	-.314	3.716	5.068
16	M3	Y	-.13	-.13	.083	1.083
17	M11	Y	-.109	-.338	6.417	8.021
18	M11	Y	-.338	-.458	8.021	9.625
19	M11	Y	-.458	-.288	9.625	11.229
20	M11	Y	-.288	-.025	11.229	12.833
21	M12	Y	-.025	-.287	0	1.604
22	M12	Y	-.287	-.457	1.604	3.208
23	M12	Y	-.457	-.338	3.208	4.812
24	M12	Y	-.338	-.11	4.812	6.417
25	M53	Y	-.099	-.247	0	1.404
26	M53	Y	-.247	-.506	1.404	2.807
27	M53	Y	-.506	-.506	2.807	4.211
28	M53	Y	-.506	-.247	4.211	5.614
29	M53	Y	-.247	-.099	5.614	7.018
30	M12	Y	-.008	-.242	6.417	7.7
31	M12	Y	-.242	-.547	7.7	8.983
32	M12	Y	-.547	-.492	8.983	10.267
33	M12	Y	-.492	-.227	10.267	11.55
34	M12	Y	-.227	-.008	11.55	12.833
35	M53	Y	-.377	-.377	0	1.213
36	M54	Y	-.314	-.36	0	1.351
37	M54	Y	-.36	-.346	1.351	2.703
38	M54	Y	-.346	-.275	2.703	4.054
39	M6	Y	-.024	-.36	0	1.167
40	M10	Y	-.014	-.252	0	1.283
41	M10	Y	-.252	-.334	1.283	2.567
42	M10	Y	-.334	-.195	2.567	3.85
43	M10	Y	-.195	-.103	3.85	5.133
44	M54	Y	-.283	-.252	3.041	5.068
45	M54	Y	-.346	-.346	3.318	5.068
46	M55	Y	-.346	-.346	3.886e-16	1.75

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M9	Z	-.611	-.346	0	1.167
2	M10	Z	-.256	-.488	7.7	8.983
3	M10	Z	-.488	-.834	8.983	10.267
4	M10	Z	-.834	-.629	10.267	11.55
5	M10	Z	-.629	-.034	11.55	12.833
6	M55	Z	-.847	-.488	0	2.027
7	M11	Z	-.02	-.565	0	1.283
8	M11	Z	-.565	-1.228	1.283	2.567
9	M11	Z	-1.228	-1.366	2.567	3.85
10	M11	Z	-1.366	-.603	3.85	5.133
11	M11	Z	-.603	-.02	5.133	6.417
12	M53	Z	-.941	-.941	5.805	7.018
13	M55	Z	-.686	-.865	1.014	2.365
14	M55	Z	-.865	-.897	2.365	3.716
15	M55	Z	-.897	-.784	3.716	5.068
16	M3	Z	-.325	-.325	.083	1.083
17	M11	Z	-.272	-.844	6.417	8.021
18	M11	Z	-.844	-1.144	8.021	9.625
19	M11	Z	-1.144	-.719	9.625	11.229
20	M11	Z	-.719	-.063	11.229	12.833
21	M12	Z	-.063	-.718	0	1.604

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
22	M12	Z	- .718	-1.141	1.604	3.208
23	M12	Z	-1.141	-.845	3.208	4.812
24	M12	Z	-.845	-.274	4.812	6.417
25	M53	Z	-.247	-.617	0	1.404
26	M53	Z	-.617	-1.264	1.404	2.807
27	M53	Z	-1.264	-1.263	2.807	4.211
28	M53	Z	-1.263	-.616	4.211	5.614
29	M53	Z	-.616	-.248	5.614	7.018
30	M12	Z	-.02	-.603	6.417	7.7
31	M12	Z	-.603	-1.366	7.7	8.983
32	M12	Z	-1.366	-1.228	8.983	10.267
33	M12	Z	-1.228	-.565	10.267	11.55
34	M12	Z	-.565	-.02	11.55	12.833
35	M53	Z	-.941	-.941	0	1.213
36	M54	Z	-.784	-.897	0	1.351
37	M54	Z	-.897	-.865	1.351	2.703
38	M54	Z	-.865	-.686	2.703	4.054
39	M6	Z	-.06	-.897	0	1.167
40	M10	Z	-.034	-.629	0	1.283
41	M10	Z	-.629	-.834	1.283	2.567
42	M10	Z	-.834	-.488	2.567	3.85
43	M10	Z	-.488	-.256	3.85	5.133
44	M54	Z	-.706	-.629	3.041	5.068
45	M54	Z	-.865	-.865	3.318	5.068
46	M55	Z	-.865	-.865	3.886e-16	1.75

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M9	X	.479	.479	0	1.167
2	M10	X	.256	.488	7.7	8.983
3	M10	X	.488	.834	8.983	10.267
4	M10	X	.834	.629	10.267	11.55
5	M10	X	.629	.034	11.55	12.833
6	M55	X	.847	.488	0	2.027
7	M11	X	.02	.565	0	1.283
8	M11	X	.565	1.228	1.283	2.567
9	M11	X	1.228	1.366	2.567	3.85
10	M11	X	1.366	.603	3.85	5.133
11	M11	X	.603	.02	5.133	6.417
12	M53	X	.941	.941	5.805	7.018
13	M55	X	.686	.865	1.014	2.365
14	M55	X	.865	.897	2.365	3.716
15	M55	X	.897	.784	3.716	5.068
16	M3	X	.325	.325	.083	1.083
17	M11	X	.272	.844	6.417	8.021
18	M11	X	.844	1.144	8.021	9.625
19	M11	X	1.144	.719	9.625	11.229
20	M11	X	.719	.063	11.229	12.833
21	M12	X	.063	.718	0	1.604
22	M12	X	.718	1.141	1.604	3.208
23	M12	X	1.141	.845	3.208	4.812
24	M12	X	.845	.274	4.812	6.417
25	M53	X	.247	.617	0	1.404
26	M53	X	.617	1.264	1.404	2.807
27	M53	X	1.264	1.263	2.807	4.211
28	M53	X	1.263	.616	4.211	5.614

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
29	M53	X	.616	.248	5.614	7.018
30	M12	X	.02	.603	6.417	7.7
31	M12	X	.603	1.366	7.7	8.983
32	M12	X	1.366	1.228	8.983	10.267
33	M12	X	1.228	.565	10.267	11.55
34	M12	X	.565	.02	11.55	12.833
35	M53	X	.941	.941	0	1.213
36	M54	X	.784	.897	0	1.351
37	M54	X	.897	.865	1.351	2.703
38	M54	X	.865	.686	2.703	4.054
39	M6	X	.06	.897	0	1.167
40	M10	X	.034	.629	0	1.283
41	M10	X	.629	.834	1.283	2.567
42	M10	X	.834	.488	2.567	3.85
43	M10	X	.488	.256	3.85	5.133
44	M54	X	.706	.629	3.041	5.068
45	M54	X	.865	.865	3.318	5.068
46	M55	X	.865	.865	3.886e-16	1.75

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N83	N20	N21	N237B	Y	Two Way	-.005
2	N81	N79A	N21	N237B	Y	Two Way	-.005
3	N80	N79A	N6	N7	Y	Two Way	-.005
4	N82	N80	N13	N238B	Y	Two Way	-.005
5	N14	N84	N238B	N13	Y	Two Way	-.005
6	N84	N83	N237B	N238B	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

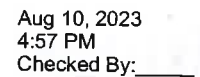
	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N83	N20	N21	N237B	Y	Two Way	-.01
2	N81	N79A	N21	N237B	Y	Two Way	-.01
3	N80	N79A	N6	N7	Y	Two Way	-.01
4	N80	N82	N238B	N13	Y	Two Way	-.01
5	N14	N84	N238B	N13	Y	Two Way	-.01
6	N84	N83	N237B	N238B	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N83	N20	N21	N237B	Y	Two Way	-.00027
2	N81	N79A	N21	N237B	Y	Two Way	-.00027
3	N80	N79A	N6	N7	Y	Two Way	-.00027
4	N82	N80	N13	N238B	Y	Two Way	-.00027
5	N14	N84	N238B	N13	Y	Two Way	-.00027
6	N84	N83	N237B	N238B	Y	Two Way	-.00027

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

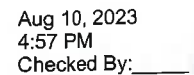
	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N83	N20	N21	N237B	Z	Two Way	-.000674
2	N81	N79A	N21	N237B	Z	Two Way	-.000674
3	N80	N79A	N6	N7	Z	Two Way	-.000674
4	N82	N80	N13	N238B	Z	Two Way	-.000674
5	N14	N84	N238B	N13	Z	Two Way	-.000674
6	N84	N83	N237B	N238B	Z	Two Way	-.000674

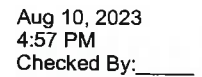


	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N83	N20	N21	N237B	X	Two Way	.000674
2	N81	N79A	N21	N237B	X	Two Way	.000674
3	N80	N79A	N6	N7	X	Two Way	.000674
4	N82	N80	N13	N238B	X	Two Way	.000674
5	N14	N84	N238B	N13	X	Two Way	.000674
6	N84	N83	N237B	N238B	X	Two Way	.000674

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N9	max	6562.415	9	745.084	13	2756.077	2	-.086	11	2.894	12	-.1	7
2		min	-4736.941	3	-33.98	7	-3746.405	8	-.488	17	-2.899	6	-.888	13
3	N16	max	4731.325	11	569.121	9	2691.849	11	.091	7	2.642	8	.776	21
4		min	-6473.402	5	-67.322	3	-3704.127	5	-.452	1	-2.672	2	-.071	3
5	N2	max	1412.552	10	590.521	5	7788.851	1	.871	17	2.727	4	.249	10
6		min	-1426.35	4	-64.176	11	-5663.857	7	.036	11	-2.741	10	-.264	4
7	N86	max	458.46	3	2889.324	21	3797.115	21	0	75	0	75	0	75
8		min	-6576.159	21	-179.276	3	-264.911	3	0	1	0	1	0	1
9	N87	max	6551.52	17	2878.616	17	3782.401	17	0	75	0	75	0	75
10		min	-504.134	11	-199.005	11	-290.903	11	0	1	0	1	0	1
11	N85	max	31.647	10	2937.762	13	674.638	7	0	75	0	75	0	75
12		min	-32.151	4	-233.768	7	-7723.44	13	0	1	0	1	0	1
13	Totals:	max	5573.86	10	9309.239	24	5897.928	1						
14		min	-5573.873	4	3062.323	70	-5898.134	7						

	Member	Shape	Code	Check	Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*	Pnc [..]	phi*	Pnt [lb]	phi*	Mn v...	phi*	Mn z...	Cb	Eqn
1	M1	HSS4X4X3	.259		6.333	4	.084	.99	y	24	90889.833	106812	12.662	12.662	3...	H1-1b				
2	M3	PL1/2x9 HRA	.443		.583	24	.160	.583	y	23	88850.66	145800	1.519	27.338	1...	H1-1b				
3	M4	HSS4X4X3	.277		6.333	12	.084	.99	y	22	90889.833	106812	12.662	12.662	3...	H1-1b				
4	M6	PL1/2x9 HRA	.435		.583	22	.159	.583	y	19	88850.66	145800	1.519	27.338	1...	H1-1b				
5	M7	HSS4X4X3	.250		6.333	8	.086	.99	y	16	90889.833	106812	12.662	12.662	3...	H1-1b				
6	M9	PL1/2x9 HRA	.442		.583	16	.160	.583	y	15	88850.66	145800	1.519	27.338	1...	H1-1b				
7	M10	C5x2x.25	.282		6.417	37	.068	12.299	y	18	7092.137	68850	2.198	7.454	1...	H1-1b				
8	M11	C5x2x.25	.207		.668	6	.071	12.299	y	14	7092.137	68850	2.198	9.83	2...	H1-1b				
9	M12	C5x2x.25	.208		12.165	8	.071	.535	y	24	7092.137	68850	2.198	9.83	2...	H1-1b				
10	MP5B	PIPE 2.0	.271		4.661	7	.164	4.661	8	24045.614	32130	1.872	1.872	1...	H1-1b					
11	MP5A	PIPE 2.0	.264		4.661	3	.162	4.661	4	24045.614	32130	1.872	1.872	2...	H1-1b					
12	MP5C	PIPE 2.0	.273		4.661	11	.170	4.661	12	24045.614	32130	1.872	1.872	2...	H1-1b					
13	M16	PL1/4x3	.562		.557	9	.236	0	y	16	15479.731	24300	.127	1.519	1...	H1-1b				
14	M18	PL1/4x3	.573		.557	5	.232	0	y	22	15479.731	24300	.127	1.519	1...	H1-1b				
15	M19	PL1/4x3	.577		0	12	.247	0	y	24	15479.731	24300	.127	1.519	1...	H1-1b				
16	M20	PL1/4x3	.565		.557	1	.242	0	y	18	15479.731	24300	.127	1.519	1...	H1-1b				
17	M21	PL1/4x3	.566		0	8	.244	0	y	20	15479.731	24300	.127	1.519	1...	H1-1b				
18	M22	PL1/4x3	.551		.557	9	.245	0	y	14	15479.731	24300	.127	1.519	1...	H1-1b				
19	M23	L3X3X4	.831		2.54	7	.184	7.62	z	18	4694.319	46656	1.688	2.966	1...	H2-1				
20	M24	L3X3X4	.789		2.54	3	.176	7.62	z	14	4694.319	46656	1.688	2.956	1...	H2-1				
21	M25	L3X3X4	.822		2.54	11	.184	6.417	z	24	4694.319	46656	1.688	2.934	1...	H2-1				
22	M26	PL1/4x3	.688		.557	6	.086	.557	y	7	15479.731	24300	.127	1.519	1.7	H1-1b				
23	M27	PL1/4x3	.717		.557	7	.091	.557	y	7	15479.731	24300	.127	1.519	1...	H1-1b				
24	M28	PL1/4x3	.667		.557	2	.082	.557	y	3	15479.731	24300	.127	1.519	1...	H1-1b				
25	M29	PL1/4x3	.685		.557	3	.086	.557	y	3	15479.731	24300	.127	1.519	1...	H1-1b				
26	M30	PL1/4x3	.679		.557	11	.086	.557	y	11	15479.731	24300	.127	1.519	1...	H1-1b				
27	M31	PL1/4x3	.733		.557	12	.089	.557	y	11	15479.731	24300	.127	1.519	1...	H1-1b				
28	M32	L3X3X4	.972		2.54	7	.190	7.62	y	14	4694.319	46656	1.688	2.753	1...	H2-1				





I. Mount-to-Tower Connection Check

Custom Orientation Required

No

Tower Connection Bolt Checks

Yes

Bolt Orientation

Parallel

Bolt Quantity per Reaction:

4

d_x (in) (Delta X of typ. bolt config. sketch):

6

d_y (in) (Delta Y of typ. bolt config. sketch):

6

Bolt Type:

A325N

Bolt Diameter (in):

0.625

Required Tensile Strength / bolt (kips):

3.7

Required Shear Strength / bolt (kips):

0.5

Tensile Capacity / bolt (kips):

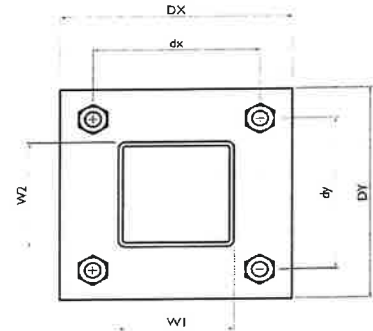
20.7

Shear Capacity / bolt (kips):

12.4

Bolt Overall Utilization:

17.7%



Tower Connection Baseplate Checks

Yes

Connecting Standoff Member Shape:

Rect Tube

Weld Stiffener Configuration:

No Stiffeners

Plate Width, D_x (in):

8

Plate Height, D_y (in):

8

W_1 (in):

4

W_2 (in):

4

Member Thickness (in):

0.18

Stiffener location a_1 (in):

Stiffener location b_1 (in):

Stiffener location a_2 (in):

Stiffener location b_2 (in):

F_y (ksi, plate):

36

Plate Thickness (in):

0.75

Length of Yield Line, L_y (in):

5.80

Bolt Eccentricity, e (in):

1.58

M_u (kip-in):

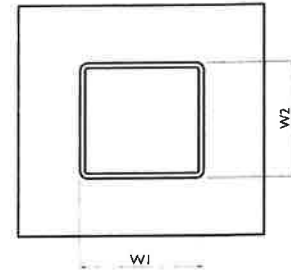
5.79

$\Phi \cdot M_n$ (kip-in):

26.41

Plate Bending Utilization:

21.9%



VzW
SMART Tool®
Vendor

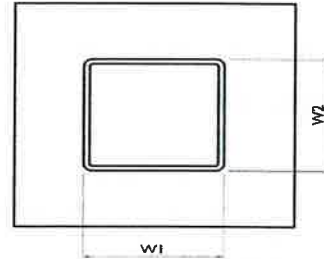
Client:	Verizon Wireless	Date:	8/10/2023
Site Name:	RIDGEFIELD CT		
MDG #:	5000386107		
Fuze ID #:	17123986	Page:	2

Version 1.01

Tower Connection Weld Checks

Weld Shape:
Weld Stiffener Configuration:
Weld Size (1/16 in):
W1 (in):
W2 (in):
Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in):
 c_y (in):
Required combined strength (kip/in):
Weld Capacity (kip/in):
Weld Utilization:

Yes
Rectangle
None
3
4
4
16.00
21.33
21.33
85.33
2.18
2.18
1.35
4.18
32.3%



ATTACHMENT 4

1

Summary

✕

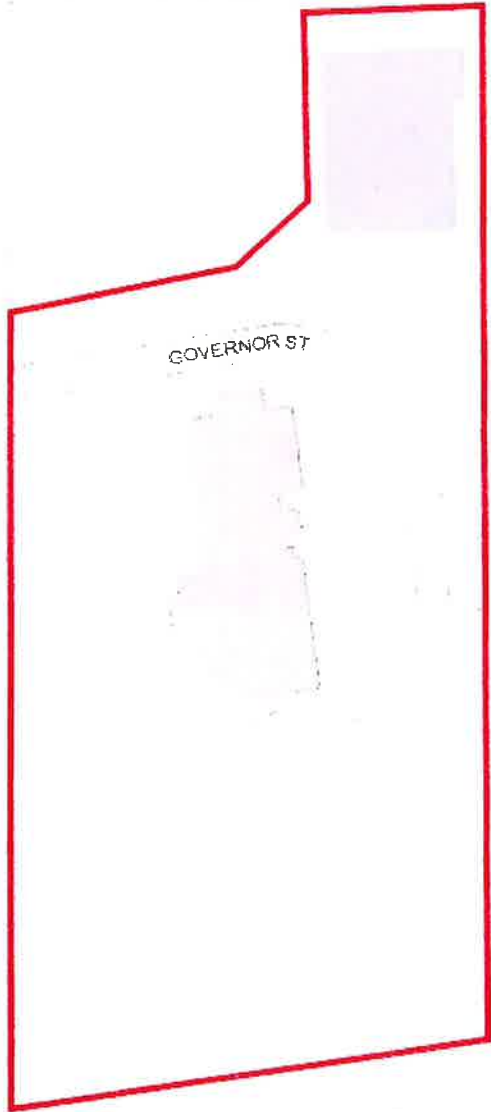
76 EAST RIDGE

GOVERNOR ST

GOVERNOR ST

Parcel ID: E15-0204

[View Details](#)



GOVERNOR ST

E RIDGE ST



GOVL

GOVERNOR S1

GOVERNOR ST

E RIDGE ST

44

45

RIDGEFIELD, CT 99999

Parcel ID: E15-0204

Lot Size (AC): 0

Total Value:

Links

Abutters

 Property Sketch

 Property Map

 Photo

 Google Map

Parcel ID E15-0204

Street Address 76 EAST RIDGE

Owner RIDGEFIELD TOWN OF

Town RIDGEFIELD

State CT

Zip Code 99999

Land Area (AC)

Scroll



ATTACHMENT 5



Name and Address of Sender

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

USPS® Tracking Number
Firm-specific Identifier

TOTAL NO.
of Pieces Listed by Sender

TOTAL NO.
of Pieces Received at Post Office™

Affix Stamp Here
Postmark with Date of Receipt.

2

Postmaster, per (name of receiving employee)

TRD



Address
(Name, Street, City, State, and ZIP Code™)

Rudy Marconi, First Selectman

Town of Ridgefield

400 Main Street

Ridgefield, CT 06877

Alice Dew, Planning and Zoning Director

Town of Ridgefield

400 Main Street

Ridgefield, CT 06877

Postage

Fee

Special Handling

Parcel Airlift

1.

2.

3.

4.

5.

6.