Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
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kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts and New York

September 11, 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**
497 Ekank Hill Road (a/k/a 111 Stone Hill Road), Voluntown, 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 was approved by the Town of Voluntown ("Town") in April of 2001. Cellco's shared use of the tower was approved by the Siting Council ("Council") in November of 2009 (EM-VER-147-091110). A copy of the Town's tower approval and Cellco's shared use approval are included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) 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 Voluntown's Chief Elected Official and Land Use Officer.

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

1. The proposed modification will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco's existing antenna platform and mounting assembly.

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

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

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

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

6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, foundation, antenna platform and 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:
Tracey Hanson, First Selectman
John Guszkowski, Consulting Planning and Development Director
Thomas and Patricia Sweet, Property Owners
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

482 BUILDING
9.60 STATE EDUCATION
$491.60

BUILDING PERMIT

PERMIT FEE

No 002511

TOWN OF VOLUNTOWN

Voluntown, Connecticut

APPLICATION FOR

BUILDING PERMIT OR MAJOR REPAIR

EXCEEDING $200.00

Applicant or taxpayer's name: Coastal Towers LLC Phone 376-1069
960 684 3060

HOME ADDRESS: 1050 Buckley Highway, Union CT

Date of application: 04/28/01

PERMIT

No 002511

Exact location of work to be done: Stone Hill Rd, Voluntown
Tom Sweet Property

Work to be done and its estimated cost: Build 180 ft. communication Tower
(Please give detailed description) Est Value $60,000

Signed _____
Applicant or Agent

PASSED ☒

REJECTED ☐

Date: 04/28/01

Reason: _____

Signed: Daniel P. Kitchel
Building Inspector

TOWN OF VOLUNTOWN
CONNECTICUT
DEPARTMENT OF BUILDING INSPECTION

CERTIFICATE OF OCCUPANCY

DATE OF CERTIFICATE OF OCCUPANCY:	2001-DEC-01
CERTIFICATE OF OCCUPANCY NUMBER:	01-CO-23
BUILDING PERMIT NUMBER:	002511
ZONE:	R
CITY OR CCD:	N/A
APPLICANTS NAME:	COASTAL TOWERS, LLC
APPLICANTS ADDRESS:	1050 BUCKLEY DRIVE
PHONE NUMBER:	376-1069
ARCHITECT NAME/ADDRESS:	N/A
BUILDER NAME/ADDRESS:	COASTAL TOWERS LLC
THIS IS TO CERTIFY THE LAND/BUILDING AT:	111 STONE HILL ROAD

CONFORMS SUBSTANTIALLY TO THE REQUIREMENTS OF THE BUILDING CODE AND THE ZONING ORDINANCE OF THE TOWN OF VOLUNTOWN AND IS HEREBY APPROVED FOR OCCUPANCY AS INDICATED BELOW. ANY CHANGE OR EXTENSION OF THE USE HEREIN APPROVED REQUIRES A NEW CERTIFICATE OF OCCUPANCY.

APPROVED FOR OCCUPANCY AS: 180 FT COMMUNICATIONS TOWER

PETE ZVINGILAS
ZONING OFFICER
TOWN OF VOLUNTOWN

Daniel P. Kitchel

DANIEL P. KITCHEL
BUILDING OFFICIAL
TOWN OF VOLUNTOWN

TOWN OF VOLUNTOWN, CT

APPLICATION FOR DRIVEWAY CONSTRUCTION PERMIT

Date 6/13/01 Fee _____

1. Applicant TOM SHEEL
2. Address 497 EXONK HILL RD. VOLUNTOWN CT
3. Location of proposed driveway:
   a. Street name STONE HILL RD.
   b. (N S E W) side of street EAST
   c. Closest intersection RT-49
   d. Closest utility pole # 852 CL&P
4. Interest in property:
   Owner TOM SHEEL Agent _____
   Lessee _____ Other _____
5. Dimension of lot: Frontage _____
6. Tax Assessor Map #: Block#: 43 Lot : 5
7. Reason for Driveway Construction Permit
   a. One Residential Unit (non-shared driveway) _____
   b. Two Residential Units(shared driveway) _____
   c. Three Residential Unites (shared driveway) _____
   d. Business/Commercial Building _____
   e. Industrial Building _____
   f. Other COMMUNICATION'S TOWER ON EXISTING DRIVEWAY
8. Maintenance agreement attached _____ Construction agreement attached _____
9. Date Application was received by the Board _____

SIGNATURE OF OWNER Thomas Sheel and/or
SIGNATURE OF AGENT _____
MAILING ADDRESS 497 EXONK HILL RD PHONE 464-2553

Complete Application
Received by the Board on _____
Application Number (#) _____

DATE ISSUED 10/01 DATE DENIED _____ DATE WITHDRAWN _____

BOND AMOUNT _____ BOND DUE DATE _____
Western Surety Bond
APPLICATION NUMBER (#) 01-09

Approved 10/01
Board of Selectmen

Any person violating any provision of this ordinance shall be fined not more than one hundred dollars ($100.00) for each offense. Each day of any such violation shall constitute a separate offense and be subjected to separate punishment.

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

December 14, 2009

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-147-091110** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 497 Ekonk Hill Road (a/k/a Stone Hill Road), Voluntown, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- The coax lines shall be installed per Figure 1 of the structural analysis report dated October 23, 2009 and sealed by Christopher Michael Murphy, P.E.;
- Not more than 45 days after completion of construction, the Council shall be notified in writing the coax was installed as specified.

The proposed modifications are to be implemented as specified here and in your notice dated November 10, 2009, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure

and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP/laf

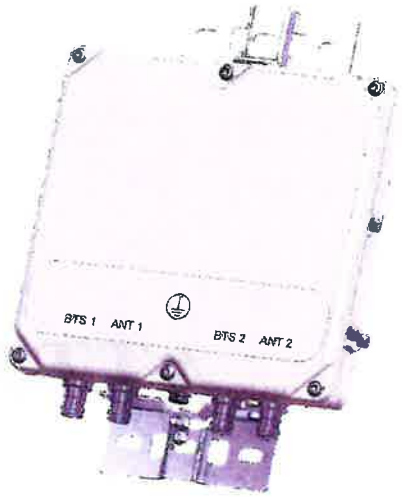
c: The Honorable Gilbert G. Grimm, First Selectman, Town of Voluntown
Peter Zvingilas, Zoning Enforcement Officer, Town of Voluntown
SBA

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.

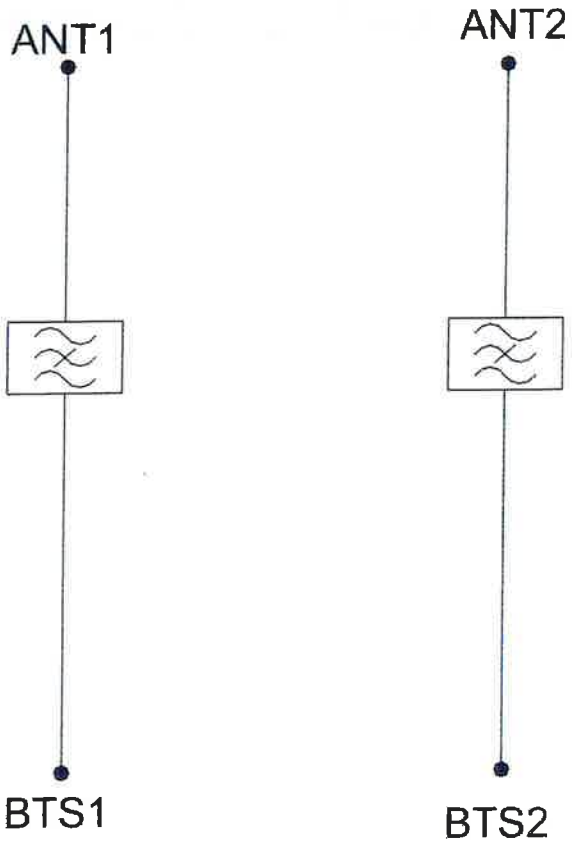
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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)

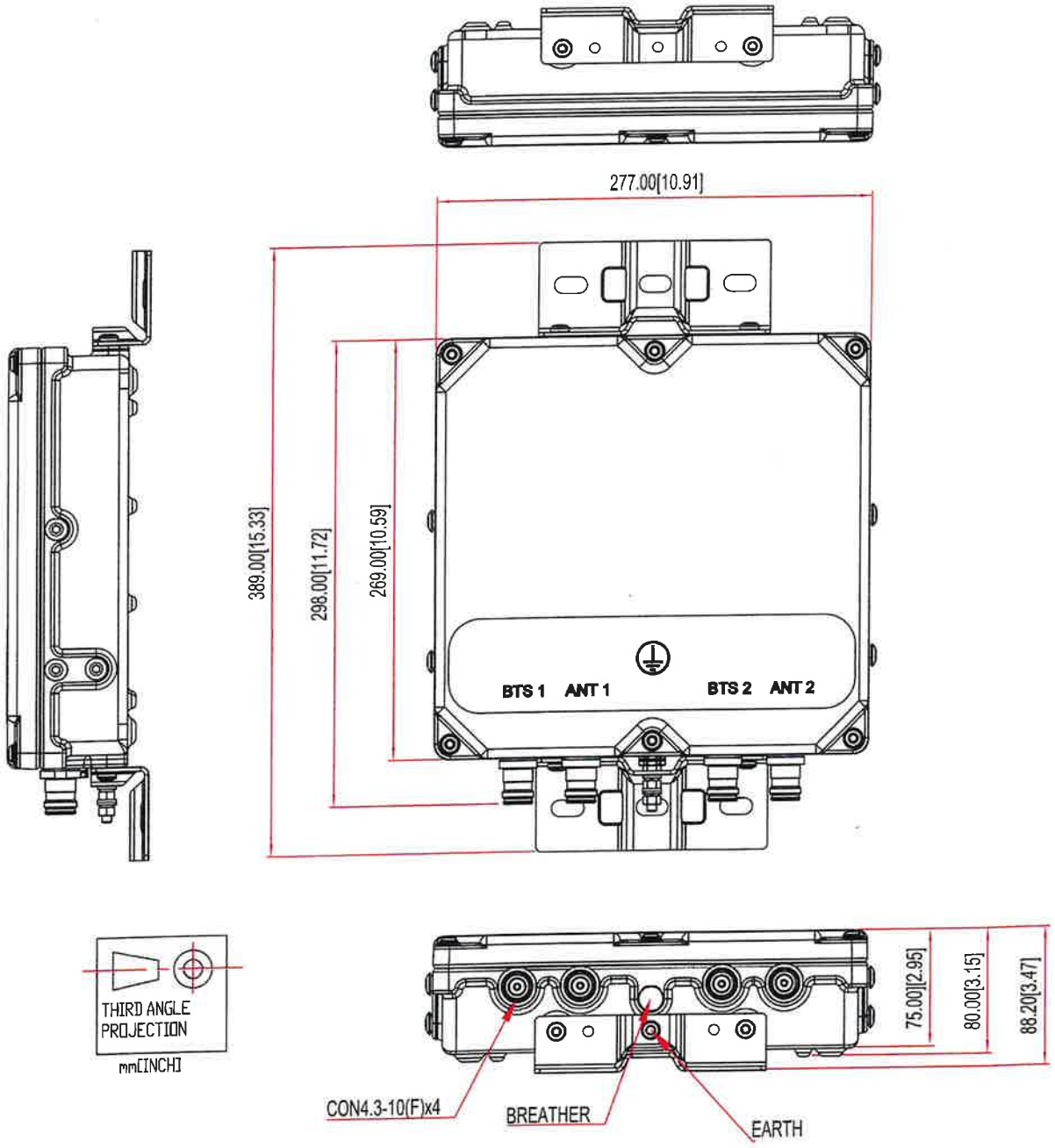
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561 995 7670
F + 561 995 7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000244028 / Bailey Pond CT
Application #: 235108, v1

SBA Site ID / Name: CT10024-A / Voluntown

180 ft Self Supporting Tower

111 Stone Hill Road
Voluntown, Connecticut 06384
Lat: 41.606411, Long: -71.851133

Project number: CT10024-VZW-082823

Analysis Results

Tower	74.7%	Pass
Foundation	58.0%	Pass

Change in tower stress due to mount modification / replacement	N/A

Prepared by: Aaron Corona

August 29, 2023

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561 995 7670
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sbasite.com

Structural Analysis Report

Client: Verizon

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Analysis Results

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Change in tower stress due to mount modification / replacement	N/A

Prepared by: Aaron Corona

August 29, 2023

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 180 ft Self Supporting Tower to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Rohn, File # 42895AE002, dated 4/24/2001
Foundation drawings	Rohn, File # 42895AE002, dated 3/21/2001
Geotechnical report	DR. Clawrence Welti, dated 3/5/2001
Mount Analysis	Colliers Engineering & Design, Project # 23777248, dated 8/18/2023
Modification drawings	N/A
Latest SA	TES, Project # 138162, dated 1/27/2023

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/New London/Voluntown
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 Connecticut State Building Code
Ultimate Wind Speed (3-Sec gust)	125.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	427.43 ft.
Seismic Parameter S_s	0.188
Seismic Parameter S_1	0.053

This structural analysis is based upon the tower being classified as a risk category II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	175.0	3	APX16DWV-16DWVS-E-A20 - Panel	(3) Sector Frame w/ Stiff Arms [Site Pro 1 VFA12-HD]	(3) 1.99" Hybrid - 6x24	T-Mobile Sprint
2		3	APXVAALL24-43-U-NA20 - Panel			
3		3	AIR6449 B41 - Panel			
4		3	Ericsson 4415 B66A			
5		3	Ericsson 4424 B25			
6		3	Ericsson 4449 B71 + B85			
7	165.0	6	7770.00 - Panel	(3) Sector Frames	(12) 1 5/8" (2) 1/2" Fiber (4) 3/4" DC	AT&T
8		3	HPA-65R-BU8AA - Panel			
9		3	800 10966 - Panel			
10		6	LGP21401 TMA			
11		6	LGP21903			
12		3	RRUS 8843 B2 B66A			
13		3	4449 B5/B12			
14		3	DBCT108F1V92-1			
15		1	DC6-48-60-18-8F			
16		1	DC6-48-60-18-8C			
17	153.0	3	Antel BXA-70063-6CF - Panel	(3) Sector Frame [Site Pro 1 VFA-12-HD]	(10) 1 5/8" (1) 1 5/8" Hybrid (1) 1/2"	Verizon
18		6	JMA Wireless MX06FRO660-03 - Panel			
19		3	Samsung MT6407-77A - Panel			
20		3	Samsung RF4439d-25A			
21		3	Samsung RF4440d-13			
22		1	Raycap RVZDC-6627-PF-48			
23	143.0	3	Commscope FFVV-65B-R2 - Panel	(3) Sector Frame [Commscope MTC3975083]	(1) 1.60" Hybrid	Dish Wireless
24		3	Fujitsu TA08025-B605			
25		3	Fujitsu TA08025-B604			
26		1	Raycap RDIDC-9181-PF-48			

Note: AT&T loading includes FirstNET equipment

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 235108, v1 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	153.0	3	Antel BXA-70063-6CF - Panel	(3) Sector Frame [Site Pro 1 VFA-12-HD]	(10) 1 5/8" (1) 1 5/8" Hybrid (1) 1/2"	Verizon
2		6	JMA Wireless MX06FRO660-03 - Panel			
3		3	Samsung MT6407-77A - Panel			
4		3	Samsung RF4439d-25A			
5		3	Samsung RF4440d-13A			
6		1	Raycap RVZDC-6627-PF-48			
7		2	Kaelus KA-6030			

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

Tower Component	Legs	Diagonals	Horizontals
Max. Usage:	74.7%	70.7%	2.8%
Pass/Fail	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	58.0%	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

Appendix

Structure: CT10024-A

Site Name:	Voluntown			**Code:**	TIA-222-H	8/29/2023
Type:	Self Support	**Base Shape:**	Triangle	**Basic WS:**	125.00	
Height:	180.00 (ft)	**Base Width:**	21.12	**Basic Ice WS:**	50.00	
Base Elev:	0.00 (ft)	**Top Width:**	4.58	**Operational WS:**	60.00	Page: 1

Section Properties

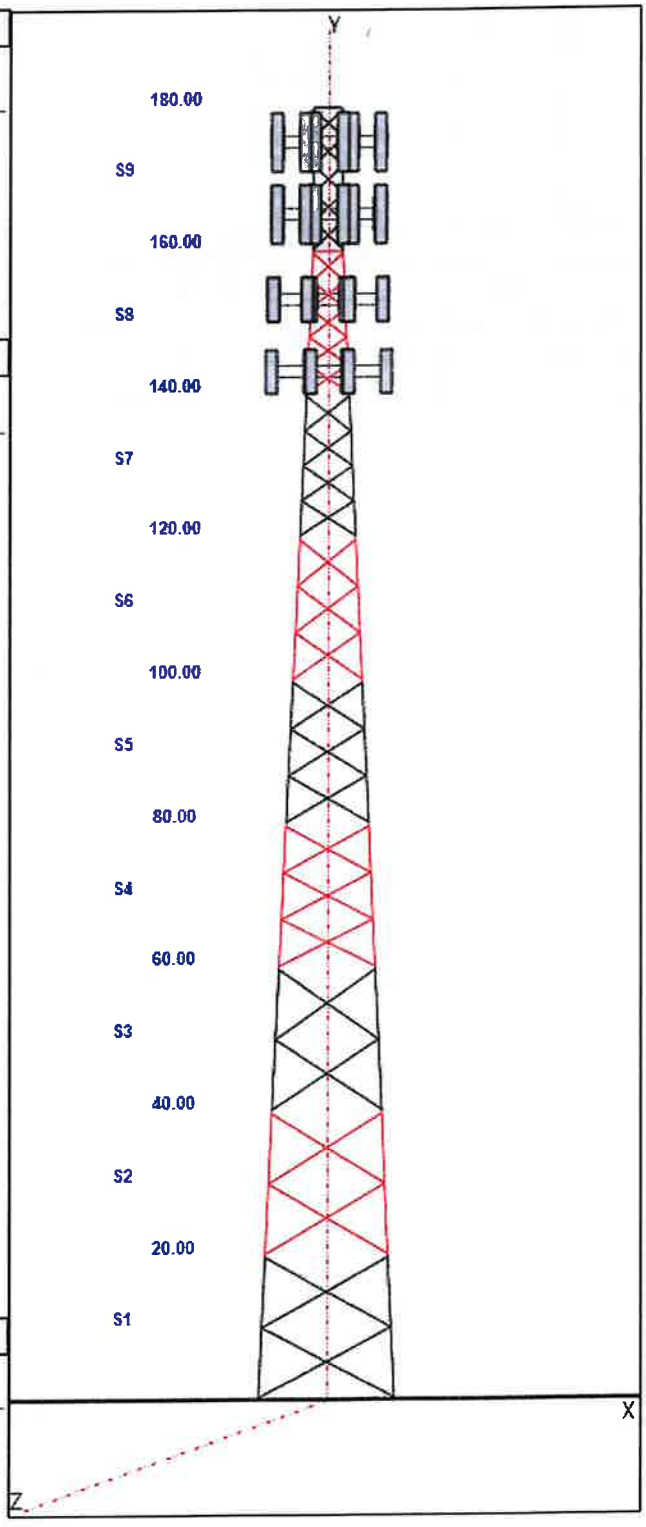
Sect	Leg Members	Diagonal Members	Horizontal Members
1-2	PX 8" DIA PIPE	SAE 4X4X0.25	
3	PSP ROHN 8 EHS	SAE 3.5X3.5X0.25	
4	PX 6" DIA PIPE	SAE 3X3X0.25	
5	PSP ROHN 6 EHS	SAE 2.5X2.5X0.25	
6	PX 5" DIA PIPE	SAE 2.5X2.5X0.25	
7	PX 4" DIA PIPE	SAE 2X2X0.25	
8	PX 3" DIA PIPE	SAE 2X2X0.25	SAE 2X2X0.25
9	PST 2-1/2" DIA PIPE	SAE 2X2X0.25	SAE 2X2X0.25

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description
175.00	175.00	3	APX16DWV-16DWVS-E-A20
175.00	175.00	3	VFA12-HD w/ Stiff Arms
175.00	175.00	3	APXVAALL24-43-U-NA20
175.00	175.00	3	4415 B66A
175.00	175.00	3	4424 B25
175.00	175.00	3	4449 B71 + B85
175.00	175.00	3	AIR6449 B41
165.00	165.00	3	Sector Frames
165.00	165.00	6	7770.00
165.00	165.00	3	HPA-65R-BU8AA
165.00	165.00	6	LGP21401 TMA
165.00	165.00	6	LGP21903
165.00	165.00	3	RRUS 8843 B2 B66A
165.00	165.00	1	DC6-48-60-18-8F
165.00	165.00	3	800 10966
165.00	165.00	3	DBCT108F1V92-1
165.00	165.00	3	4449 B5/B12
165.00	165.00	1	DC6-48-60-18-8C
153.00	153.00	3	Antel BXA-70063-6CF
153.00	153.00	6	JMA Wireless MX06FRO660-03
153.00	153.00	1	Raycap RVZDC-6627-PF-48
153.00	153.00	3	Samsung MT6407-77A
153.00	153.00	3	Samsung RF4439d-25A RRU
153.00	153.00	3	Samsung RF4440d-13A RRU
153.00	153.00	3	Sector Frame [Site Pro 1 VFA-12-HD]
153.00	153.00	2	Kaelus KA-6030
153.00	153.00	12	Mount pipes
143.00	143.00	3	FFVV-65B-R2
143.00	143.00	3	Fujitsu TA08025-B605
143.00	143.00	3	Fujitsu TA08025-B604
143.00	143.00	1	Raycap RDIDC-9181-PF-48
143.00	143.00	1	(3) MTC3975083

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Qty	Description
0.00	180.00	1	Safety Cable
0.00	180.00	1	Step bolts (ladder)
0.00	175.00	3	1.99" Hybrid - 6x24
0.00	175.00	1	W/G Ladder
0.00	165.00	12	1 5/8" Coax
0.00	165.00	2	1/2" Fiber



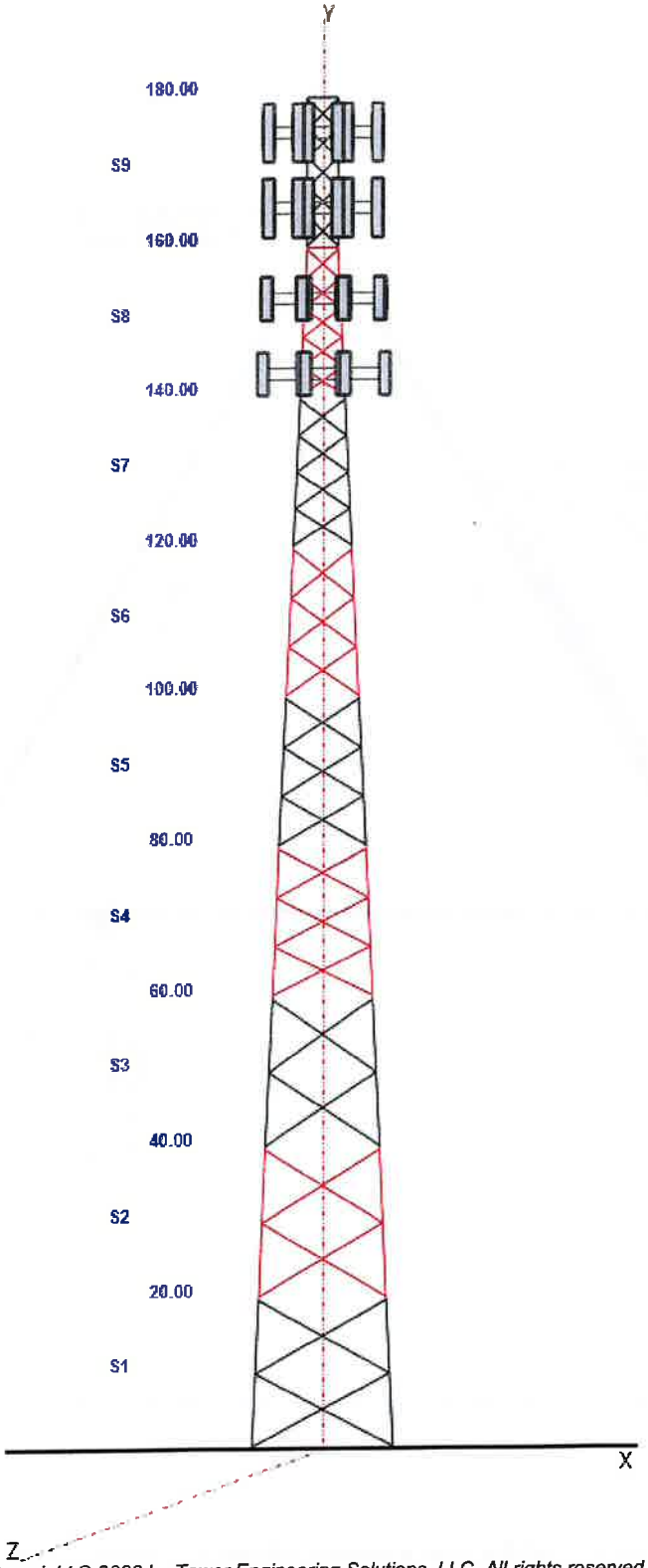
0.00	165.00	4	3/4" DC
0.00	165.00	1	W/G Ladder
0.00	160.00	1	W/G Ladder
0.00	153.00	10	1 5/8" Coax
0.00	153.00	1	1 5/8" Hybrid
0.00	153.00	1	1.60" Hybrid
0.00	143.00	1	1/2" Coax
0.00	143.00	1	W/G Ladder

Base Reactions

Leg		Overturning	
Max Uplift:	-307.83 (kips	Moment:	6109.71 (ft-kips)
Max Down:	351.58 (kips	Total Down:	52.62 (kips)
Max Shear:	35.48 (kips	Total Shear:	57.50 (kips)

Structure: CT10024-A

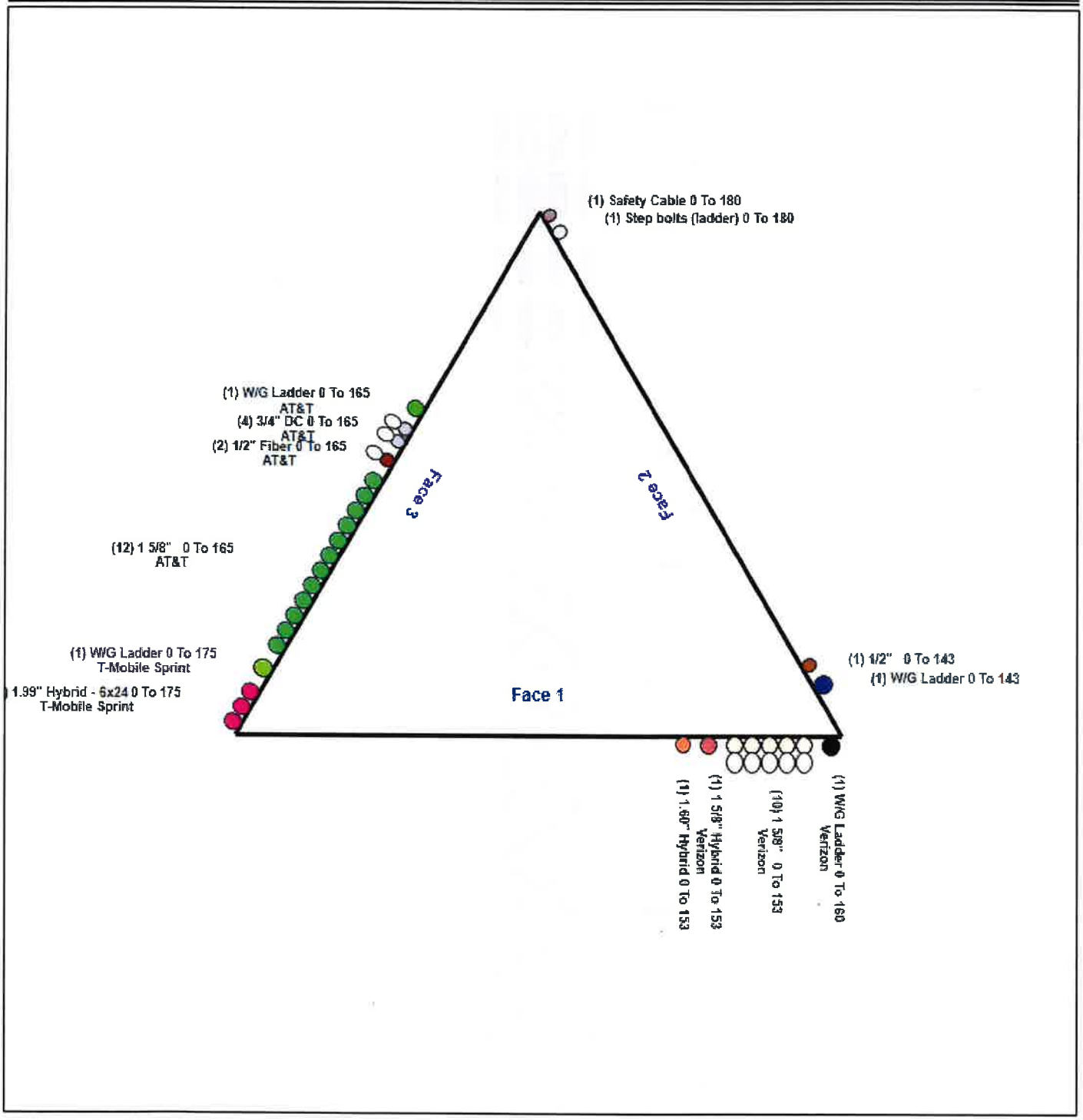
Site Name:	Voluntown			**Code:**	TIA-222-H	8/29/2023
Type:	Self Support	**Base Shape:**	Triangle	**Basic WS:**	125.00	
Height:	180.00 (ft)	**Base Width:**	21.12	**Basic Ice WS:**	50.00	
Base Elev:	0.00 (ft)	**Top Width:**	4.58	**Operational WS:**	60.00	Page: 3



Structure: CT10024-A - Coax Line Placement

Type: Self Support
Site Name: Voluntown
Height: 180.00 (ft)

8/29/2023



Loading Summary

Structure:	CT10024-A		**Code:**	TIA-222-H	8/29/2023
Site Name:	Voluntown		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Default	
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 5

Discrete Appurtenances Properties

Attach Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	Ice Weight (lb)	Ice CaAa (sf)	Len (in)	Width (in)	Depth (in)	Ka	Orientation Factor	Vert Ecc (ft)
175.00	APX16DWV-16DWVS-E-A20	3	40.70	6.610	119.72	8.080	55.900	13.300	3.100	0.80	0.62	0.000
175.00	VFA12-HD w/ Stiff Arms	3	683.00	18.900	1133.61	34.932	0.000	0.000	0.000	0.75	0.75	0.000
175.00	APXVAALL24-43-U-NA20	3	143.30	20.240	449.96	21.509	95.900	24.000	8.500	0.80	0.72	0.000
175.00	4415 B66A	3	46.20	1.860	79.75	2.247	13.500	16.500	4.800	0.80	0.67	0.000
175.00	4424 B25	3	88.00	2.050	142.11	2.440	17.100	14.400	11.300	0.80	0.67	0.000
175.00	4449 B71 + B85	3	73.20	1.970	112.18	2.354	17.900	13.200	10.600	0.80	0.67	0.000
175.00	AIR6449 B41	3	103.00	5.650	195.56	6.292	33.100	20.500	8.300	0.80	0.71	0.000
165.00	Sector Frames	3	450.00	17.000	687.51	22.768	0.000	0.000	0.000	0.75	0.75	0.000
165.00	7770.00	6	35.00	5.500	119.60	6.204	55.000	11.000	5.000	0.80	0.73	0.000
165.00	HPA-65R-BU8AA	3	68.00	12.980	254.04	14.047	92.400	14.800	7.400	0.80	0.79	0.000
165.00	LGP21401 TMA	6	14.10	1.290	30.98	1.854	14.400	9.200	2.600	0.80	0.67	0.000
165.00	LGP21903	6	5.50	0.270	11.19	0.538	4.400	6.300	3.000	0.80	0.67	0.000
165.00	RRUS 8843 B2 B66A	3	72.00	1.640	103.62	1.975	14.900	13.200	10.900	0.80	0.67	0.000
165.00	DC6-48-60-18-8F	1	31.80	0.920	73.54	1.216	24.000	11.000	11.000	0.90	0.90	0.000
165.00	800 10966	3	125.70	17.360	355.97	18.563	96.000	20.000	6.900	0.80	0.72	0.000
165.00	DBCT108F1V92-1	3	7.00	0.710	16.69	1.131	7.000	10.400	1.800	0.80	0.67	0.000
165.00	4449 B5/B12	3	71.00	1.970	107.04	2.340	17.900	13.200	9.400	0.80	0.67	0.000
165.00	DC6-48-60-18-8C	1	20.00	1.260	55.62	1.705	23.500	9.700	9.700	0.90	0.90	0.000
153.00	Antel BXA-70063-6CF	3	17.00	7.570	126.92	8.384	71.000	11.200	4.500	0.80	0.75	0.000
153.00	JMA Wireless MX06FRO660-03	6	60.00	9.870	226.81	10.761	71.300	15.400	10.700	0.80	0.87	0.000
153.00	Raycap RVZDC-6627-PF-48	1	32.00	4.060	108.04	4.604	29.500	16.500	12.600	1.00	1.00	0.000
153.00	Samsung MT6407-77A	3	87.10	4.700	161.89	5.301	35.120	16.060	5.510	0.80	0.70	0.000
153.00	Samsung RF4439d-25A RRU	3	74.70	1.870	108.39	2.232	14.960	14.960	10.040	0.80	0.67	0.000
153.00	Samsung RF4440d-13A RRU	3	70.33	1.870	103.09	2.232	14.960	14.960	9.050	0.80	0.67	0.000
153.00	Sector Frame [Site Pro 1	3	601.13	12.150	1104.70	19.218	0.000	0.000	0.000	1.00	1.00	0.000
153.00	Kaelus KA-6030	2	17.60	0.960	33.06	1.225	10.600	10.900	3.020	0.80	0.82	0.000
153.00	Mount pipes	12	30.00	1.430	55.13	2.262	0.000	0.000	0.000	0.80	1.00	0.000
143.00	FFVV-65B-R2	3	70.80	12.270	233.47	12.345	72.000	18.000	7.000	0.80	0.73	0.000
143.00	Fujitsu TA08025-B605	3	75.00	1.960	109.87	2.334	15.800	15.000	9.100	0.80	0.67	0.000
143.00	Fujitsu TA08025-B604	3	63.90	1.960	97.65	2.334	15.800	15.000	7.900	0.80	0.67	0.000
143.00	Raycap RDIDC-9181-PF-48	1	21.90	2.010	57.40	2.389	16.600	14.600	8.500	0.80	1.00	0.000
143.00	(3) MTC3975083	1	1242.0	28.050	2051.22	51.548	0.000	0.000	0.000	0.75	1.00	0.000
	Totals:	**106**	**11,523.68**		**22,816.18**						**Number of Appurtenances :**	**32**

Linear Appurtenances Properties

Elev. From (ft)	Elev. To (ft)	Description	Qty	Width (in)	Weight (lb/ft)	Pct In Block	Spread On Faces	Bundling Arrangement	Cluster Dia (in)	Out of Zone	Spacing (in)	Orientation Factor	Ka Override
0.00	180.00	Safety Cable	1	0.38	0.27	100.00	2	Individual NR		N	1.00	1.00	
0.00	180.00	Step bolts (ladder)	1	0.63	1.04	100.00	2	Individual NR		N	1.00	1.00	
0.00	175.00	1.99" Hybrid - 6x24	3	1.99	0.95	100.00	3	Individual IR		N	1.00	1.00	
0.00	175.00	W/G Ladder	1	2.50	6.00	100.00	3	Individual NR		N	1.00	1.00	
0.00	165.00	1 5/8" Coax	12	1.98	1.04	100.00	3	Individual NR		N	1.00	1.00	
0.00	165.00	1/2" Fiber	2	0.65	0.16	50.00	3	Block		N	1.00	1.00	
0.00	165.00	3/4" DC	4	0.75	0.40	50.00	3	Block		N	0.50	1.00	
0.00	165.00	W/G Ladder	1	2.00	6.00		3	Individual NR		N	1.00	1.00	
0.00	160.00	W/G Ladder	1	2.50	6.00		1	Individual NR		N	1.00	1.00	
0.00	153.00	1 5/8" Coax	10	1.98	1.04	50.00	1	Block		N	0.50	1.00	
0.00	153.00	1 5/8" Hybrid	1	2.00	1.10	100.00	1	Individual NR		N	1.00	1.00	
0.00	153.00	1.60" Hybrid	1	1.60	1.04	50.00	1	Block		N	0.50	1.00	
0.00	143.00	1/2" Coax	1	0.65	0.16	100.00	2	Individual NR		N	1.00	1.00	
0.00	143.00	W/G Ladder	1	2.50	6.00		2	Individual NR		N	1.00	1.00	

Section Forces

Structure:	CT10024-A	**Code:**	TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 7

Load Case: 1.2D + 1.0W Normal Wind — 1.2D + 1.0W 125 mph Wind at Normal To Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1.20

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	28.45	28.808	28.80	0.00	0.14	2.81	1.00	1.00	0.00	40.70	98.38	0.00	6,591.5	0.0	2770.49	1818.86	4,589.35
2	30.0	32.88	26.417	28.80	0.00	0.15	2.78	1.00	1.00	0.00	38.43	98.38	0.00	6,420.3	0.0	2988.85	2101.86	5,090.71
3	50.0	36.62	21.031	28.81	0.00	0.15	2.78	1.00	1.00	0.00	33.08	98.38	0.00	5,289.2	0.0	2857.00	2340.50	5,197.50
4	70.0	39.30	22.214	22.12	0.00	0.15	2.76	1.00	1.00	0.00	31.83	98.38	0.00	5,023.4	0.0	2934.55	2512.30	5,446.86
5	90.0	41.44	16.204	22.13	0.00	0.15	2.75	1.00	1.00	0.00	25.67	98.38	0.00	4,181.6	0.0	2490.82	2648.80	5,139.62
6	110.0	43.23	14.054	18.58	0.00	0.16	2.73	1.00	1.00	0.00	22.80	98.38	0.00	3,872.8	0.0	2291.28	2763.10	5,054.38
7	130.0	44.77	11.609	15.03	0.00	0.17	2.71	1.00	1.00	0.00	19.35	98.38	0.00	3,251.9	0.0	1998.92	2862.01	4,860.93
8	150.0	46.14	11.624	11.69	0.00	0.20	2.60	1.00	1.00	0.00	18.20	84.88	0.00	2,683.2	0.0	1858.51	2519.18	4,377.69
9	170.0	47.38	10.350	9.58	0.00	0.21	2.57	1.00	1.00	0.00	15.87	24.09	0.00	1,481.6	0.0	1644.34	706.52	2,350.85
														38,795.5	**0.0**			**42,107.89**

Load Case: 1.2D + 1.0W 60° Wind — 1.2D + 1.0W 125 mph Wind at 60° From Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1:20

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	28.45	28.808	28.80	0.00	0.14	2.81	0.80	1.00	0.00	34.94	98.38	0.00	6,591.5	0.0	2378.31	1818.86	4,197.16
2	30.0	32.88	26.417	28.80	0.00	0.15	2.78	0.80	1.00	0.00	33.15	98.38	0.00	6,420.3	0.0	2577.94	2101.86	4,679.80
3	50.0	36.62	21.031	28.81	0.00	0.15	2.78	0.80	1.00	0.00	28.87	98.38	0.00	5,289.2	0.0	2493.70	2340.50	4,834.20
4	70.0	39.30	22.214	22.12	0.00	0.15	2.76	0.80	1.00	0.00	27.39	98.38	0.00	5,023.4	0.0	2524.96	2512.30	5,037.26
5	90.0	41.44	16.204	22.13	0.00	0.15	2.75	0.80	1.00	0.00	22.43	98.38	0.00	4,181.6	0.0	2176.37	2648.80	4,825.17
6	110.0	43.23	14.054	18.58	0.00	0.16	2.73	0.80	1.00	0.00	19.99	98.38	0.00	3,872.8	0.0	2008.82	2763.10	4,771.93
7	130.0	44.77	11.609	15.03	0.00	0.17	2.71	0.80	1.00	0.00	17.03	98.38	0.00	3,251.9	0.0	1759.10	2862.01	4,621.11
8	150.0	46.14	11.624	11.69	0.00	0.20	2.60	0.80	1.00	0.00	15.87	84.88	0.00	2,683.2	0.0	1621.10	2519.18	4,140.27
9	170.0	47.38	10.350	9.58	0.00	0.21	2.57	0.80	1.00	0.00	13.80	24.09	0.00	1,481.6	0.0	1429.82	706.52	2,136.34
														38,795.5	**0.0**			**39,243.23**

Section Forces

Structure:	CT10024-A	**Code:**	TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 8	

SBA

Load Case: 1.2D + 1.0W 90° Wind — 1.2D + 1.0W 125 mph Wind at 90° From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Dead Load Factor: 0.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	28.45	28.808	28.80	0.00	0.14	2.81	0.85	1.00	0.00	36.38	98.38	0.00	6,591.5	0.0	2476.35	1818.86	4,295.21
2	30.0	32.88	26.417	28.80	0.00	0.15	2.78	0.85	1.00	0.00	34.47	98.38	0.00	6,420.3	0.0	2680.67	2101.86	4,782.52
3	50.0	36.62	21.031	28.81	0.00	0.15	2.78	0.85	1.00	0.00	29.92	98.38	0.00	5,289.2	0.0	2584.53	2340.50	4,925.02
4	70.0	39.30	22.214	22.12	0.00	0.15	2.76	0.85	1.00	0.00	28.50	98.38	0.00	5,023.4	0.0	2627.36	2512.30	5,139.66
5	90.0	41.44	16.204	22.13	0.00	0.15	2.75	0.85	1.00	0.00	23.24	98.38	0.00	4,181.6	0.0	2254.98	2648.80	4,903.78
6	110.0	43.23	14.054	18.58	0.00	0.16	2.73	0.85	1.00	0.00	20.69	98.38	0.00	3,872.8	0.0	2079.44	2763.10	4,842.54
7	130.0	44.77	11.609	15.03	0.00	0.17	2.71	0.85	1.00	0.00	17.61	98.38	0.00	3,251.9	0.0	1819.05	2862.01	4,681.06
8	150.0	46.14	11.624	11.69	0.00	0.20	2.60	0.85	1.00	0.00	16.45	84.88	0.00	2,683.2	0.0	1680.45	2519.18	4,199.63
9	170.0	47.38	10.350	9.58	0.00	0.21	2.57	0.85	1.00	0.00	14.31	24.09	0.00	1,481.6	0.0	1483.45	706.52	2,189.96
														38,795.5	**0.0**			**39,959.40**

Load Case: 0.9D + 1.0W Normal Wind — 0.9D + 1.0W 125 mph Wind at Normal To Face

Wind Load Factor: 1.00
Dead Load Factor: 0.90
Ice Dead Load Factor: 0.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	28.45	28.808	28.80	0.00	0.14	2.81	1.00	1.00	0.00	40.70	98.38	0.00	4,943.6	0.0	2770.49	1818.86	4,589.35
2	30.0	32.88	26.417	28.80	0.00	0.15	2.78	1.00	1.00	0.00	38.43	98.38	0.00	4,815.2	0.0	2988.85	2101.86	5,090.71
3	50.0	36.62	21.031	28.81	0.00	0.15	2.78	1.00	1.00	0.00	33.08	98.38	0.00	3,966.9	0.0	2857.00	2340.50	5,197.50
4	70.0	39.30	22.214	22.12	0.00	0.15	2.76	1.00	1.00	0.00	31.83	98.38	0.00	3,767.6	0.0	2934.55	2512.30	5,446.86
5	90.0	41.44	16.204	22.13	0.00	0.15	2.75	1.00	1.00	0.00	25.67	98.38	0.00	3,136.2	0.0	2490.82	2648.80	5,139.62
6	110.0	43.23	14.054	18.58	0.00	0.16	2.73	1.00	1.00	0.00	22.80	98.38	0.00	2,904.6	0.0	2291.28	2763.10	5,054.38
7	130.0	44.77	11.609	15.03	0.00	0.17	2.71	1.00	1.00	0.00	19.35	98.38	0.00	2,438.9	0.0	1998.92	2862.01	4,860.93
8	150.0	46.14	11.624	11.69	0.00	0.20	2.60	1.00	1.00	0.00	18.20	84.88	0.00	2,012.4	0.0	1858.51	2519.18	4,377.69
9	170.0	47.38	10.350	9.58	0.00	0.21	2.57	1.00	1.00	0.00	15.87	24.09	0.00	1,111.2	0.0	1644.34	706.52	2,350.85
														29,096.6	**0.0**			**42,107.89**

Section Forces

Structure:	CT10024-A	**Code:**	TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 9

Load Case: 0.9D + 1.0W 60° Wind

0.9D + 1.0W 125 mph Wind at 60° From Face

Wind Load Factor: 1.00
Dead Load Factor: 0.90
Ice Dead Load Factor: 0.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	28.45	28.808	28.80	0.00	0.14	2.81	0.80	1.00	0.00	34.94	98.38	0.00	4,943.6	0.0	2378.31	1818.86	4,197.16
2	30.0	32.88	26.417	28.80	0.00	0.15	2.78	0.80	1.00	0.00	33.15	98.38	0.00	4,815.2	0.0	2577.94	2101.86	4,679.80
3	50.0	36.62	21.031	28.81	0.00	0.15	2.78	0.80	1.00	0.00	28.87	98.38	0.00	3,966.9	0.0	2493.70	2340.50	4,834.20
4	70.0	39.30	22.214	22.12	0.00	0.15	2.76	0.80	1.00	0.00	27.39	98.38	0.00	3,767.6	0.0	2524.96	2512.30	5,037.26
5	90.0	41.44	16.204	22.13	0.00	0.15	2.75	0.80	1.00	0.00	22.43	98.38	0.00	3,136.2	0.0	2176.37	2648.80	4,825.17
6	110.0	43.23	14.054	18.58	0.00	0.16	2.73	0.80	1.00	0.00	19.99	98.38	0.00	2,904.6	0.0	2008.82	2763.10	4,771.93
7	130.0	44.77	11.609	15.03	0.00	0.17	2.71	0.80	1.00	0.00	17.03	98.38	0.00	2,438.9	0.0	1759.10	2862.01	4,621.11
8	150.0	46.14	11.624	11.69	0.00	0.20	2.60	0.80	1.00	0.00	15.87	84.88	0.00	2,012.4	0.0	1621.10	2519.18	4,140.27
9	170.0	47.38	10.350	9.58	0.00	0.21	2.57	0.80	1.00	0.00	13.80	24.09	0.00	1,111.2	0.0	1429.82	706.52	2,136.34
														29,096.6	**0.0**			**39,243.23**

Load Case: 0.9D + 1.0W 90° Wind

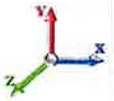
0.9D + 1.0W 125 mph Wind at 90° From Face

Wind Load Factor: 1.00
Dead Load Factor: 0.90
Ice Dead Load Factor: 0.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	28.45	28.808	28.80	0.00	0.14	2.81	0.85	1.00	0.00	36.38	98.38	0.00	4,943.6	0.0	2476.35	1818.86	4,295.21
2	30.0	32.88	26.417	28.80	0.00	0.15	2.78	0.85	1.00	0.00	34.47	98.38	0.00	4,815.2	0.0	2680.67	2101.86	4,782.52
3	50.0	36.62	21.031	28.81	0.00	0.15	2.78	0.85	1.00	0.00	29.92	98.38	0.00	3,966.9	0.0	2584.53	2340.50	4,925.02
4	70.0	39.30	22.214	22.12	0.00	0.15	2.76	0.85	1.00	0.00	28.50	98.38	0.00	3,767.6	0.0	2627.36	2512.30	5,139.66
5	90.0	41.44	16.204	22.13	0.00	0.15	2.75	0.85	1.00	0.00	23.24	98.38	0.00	3,136.2	0.0	2254.98	2648.80	4,903.78
6	110.0	43.23	14.054	18.58	0.00	0.16	2.73	0.85	1.00	0.00	20.69	98.38	0.00	2,904.6	0.0	2079.44	2763.10	4,842.54
7	130.0	44.77	11.609	15.03	0.00	0.17	2.71	0.85	1.00	0.00	17.61	98.38	0.00	2,438.9	0.0	1819.05	2862.01	4,681.06
8	150.0	46.14	11.624	11.69	0.00	0.20	2.60	0.85	1.00	0.00	16.45	84.88	0.00	2,012.4	0.0	1680.45	2519.18	4,199.63
9	170.0	47.38	10.350	9.58	0.00	0.21	2.57	0.85	1.00	0.00	14.31	24.09	0.00	1,111.2	0.0	1483.45	706.52	2,189.96
														29,096.6	**0.0**			**39,959.40**

Section Forces

Structure:	CT10024-A	**Code:**	TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 10



Load Case: 1.2D + 1.0Di + 1.0Wi Normal Wind — 1.2D + 1.0Di + 1.0Wi 50 mph Wind at Normal From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Dead Load Factor: 1.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	4.55	28.808	47.94	19.14	0.18	2.65	1.00	1.00	0.89	56.22	116.51	59.16	11,089.	4497.6	577.17	649.28	1,226.46
2	30.0	5.26	26.417	48.97	20.17	0.20	2.60	1.00	1.00	0.99	54.54	118.23	66.03	11,351.	4930.8	634.03	776.57	1,410.60
3	50.0	5.86	21.031	48.80	19.99	0.21	2.57	1.00	1.00	1.04	49.12	119.09	69.50	10,138.	4849.1	629.64	879.15	1,508.80
4	70.0	6.29	22.214	45.88	23.76	0.23	2.49	1.00	1.00	1.08	48.87	119.68	71.87	10,063.	5039.8	650.70	936.55	1,587.25
5	90.0	6.63	16.204	44.45	22.33	0.24	2.46	1.00	1.00	1.11	42.11	120.14	73.70	8,904.6	4723.0	584.94	991.38	1,576.32
6	110.0	6.92	14.054	39.32	20.74	0.26	2.42	1.00	1.00	1.13	37.12	116.76	78.96	8,416.1	4543.3	527.39	1028.40	1,555.79
7	130.0	7.16	11.609	36.57	21.55	0.29	2.31	1.00	1.00	1.15	33.44	117.01	80.29	7,631.6	4379.7	471.27	1035.81	1,507.08
8	150.0	7.38	11.624	33.60	21.92	0.37	2.12	1.00	1.00	1.16	32.60	102.37	72.14	6,701.8	4018.6	434.49	867.08	1,301.57
9	170.0	7.58	10.350	30.15	20.57	0.40	2.06	1.00	1.00	1.18	29.58	31.50	23.56	3,679.9	2198.3	391.99	272.28	664.27
														77,975.8	39180.3			12,338.13

Load Case: 1.2D + 1.0Di + 1.0Wi 60° Wind — 1.2D + 1.0Di + 1.0Wi 50 mph Wind at 60° From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Dead Load Factor: 1.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	4.55	28.808	47.94	19.14	0.18	2.65	0.80	1.00	0.89	50.45	116.51	59.16	11,089.	4497.6	518.02	649.28	1,167.30
2	30.0	5.26	26.417	48.97	20.17	0.20	2.60	0.80	1.00	0.99	49.25	118.23	66.03	11,351.	4930.8	572.61	776.57	1,349.18
3	50.0	5.86	21.031	48.80	19.99	0.21	2.57	0.80	1.00	1.04	44.92	119.09	69.50	10,138.	4849.1	575.73	879.15	1,454.88
4	70.0	6.29	22.214	45.88	23.76	0.23	2.49	0.80	1.00	1.08	44.42	119.68	71.87	10,063.	5039.8	591.54	936.55	1,528.09
5	90.0	6.63	16.204	44.45	22.33	0.24	2.46	0.80	1.00	1.11	38.87	120.14	73.70	8,904.6	4723.0	539.93	991.38	1,531.31
6	110.0	6.92	14.054	39.32	20.74	0.26	2.42	0.80	1.00	1.13	34.31	116.76	78.96	8,416.1	4543.3	487.46	1028.40	1,515.86
7	130.0	7.16	11.609	36.57	21.55	0.29	2.31	0.80	1.00	1.15	31.11	117.01	80.29	7,631.6	4379.7	438.54	1035.81	1,474.36
8	150.0	7.38	11.624	33.60	21.92	0.37	2.12	0.80	1.00	1.16	30.28	102.37	72.14	6,701.8	4018.6	403.50	867.08	1,270.59
9	170.0	7.58	10.350	30.15	20.57	0.40	2.06	0.80	1.00	1.18	27.51	31.50	23.56	3,679.9	2198.3	364.56	272.28	636.83
														77,975.8	39180.3			11,928.40

Section Forces

Structure:	CT10024-A	**Code:**	TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 11

Load Case: 1.2D + 1.0Di + 1.0Wi 90° Wind — 1.2D + 1.0Di + 1.0Wi 50 mph Wind at 90° From Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1.20

Ice Dead Load Factor: 1.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	4.55	28.808	47.94	19.14	0.18	2.65	0.85	1.00	0.89	51.89	116.51	59.16	11,089.	4497.6	532.81	649.28	1,182.09
2	30.0	5.26	26.417	48.97	20.17	0.20	2.60	0.85	1.00	0.99	50.58	118.23	66.03	11,351.	4930.8	587.97	776.57	1,364.54
3	50.0	5.86	21.031	48.80	19.99	0.21	2.57	0.85	1.00	1.04	45.97	119.09	69.50	10,138.	4849.1	589.21	879.15	1,468.36
4	70.0	6.29	22.214	45.88	23.76	0.23	2.49	0.85	1.00	1.08	45.53	119.68	71.87	10,063.	5039.8	606.33	936.55	1,542.88
5	90.0	6.63	16.204	44.45	22.33	0.24	2.46	0.85	1.00	1.11	39.68	120.14	73.70	8,904.6	4723.0	551.18	991.38	1,542.56
6	110.0	6.92	14.054	39.32	20.74	0.26	2.42	0.85	1.00	1.13	35.02	116.76	78.96	8,416.1	4543.3	497.44	1028.40	1,525.84
7	130.0	7.16	11.609	36.57	21.55	0.29	2.31	0.85	1.00	1.15	31.69	117.01	80.29	7,631.6	4379.7	446.72	1035.81	1,482.54
8	150.0	7.38	11.624	33.60	21.92	0.37	2.12	0.85	1.00	1.16	30.86	102.37	72.14	6,701.8	4018.6	411.25	867.08	1,278.33
9	170.0	7.58	10.350	30.15	20.57	0.40	2.06	0.85	1.00	1.18	28.03	31.50	23.56	3,679.9	2198.3	371.41	272.28	643.69
														77,975.8	**39180.3**			**12,030.83**

Load Case: 1.0D + 1.0W Normal Wind — 1.0D + 1.0W 60 mph Wind at Normal To Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1.00

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	6.56	28.808	28.80	0.00	0.14	2.81	1.00	1.00	0.00	45.07	98.38	0.00	5,492.9	0.0	706.87	419.07	1,125.93
2	30.0	7.58	26.417	28.80	0.00	0.15	2.78	1.00	1.00	0.00	42.37	98.38	0.00	5,350.3	0.0	759.30	484.27	1,243.57
3	50.0	8.44	21.031	28.81	0.00	0.15	2.78	1.00	1.00	0.00	36.74	98.38	0.00	4,407.6	0.0	731.19	539.25	1,270.44
4	70.0	9.06	22.214	22.12	0.00	0.15	2.76	1.00	1.00	0.00	34.78	98.38	0.00	4,186.2	0.0	738.68	578.83	1,317.52
5	90.0	9.55	16.204	22.13	0.00	0.15	2.75	1.00	1.00	0.00	28.77	98.38	0.00	3,484.7	0.0	643.20	610.28	1,253.49
6	110.0	9.96	14.054	18.58	0.00	0.16	2.73	1.00	1.00	0.00	24.62	98.38	0.00	3,227.3	0.0	569.96	636.62	1,206.58
7	130.0	10.32	11.609	15.03	0.00	0.17	2.71	1.00	1.00	0.00	20.16	98.38	0.00	2,709.9	0.0	479.87	659.41	1,139.27
8	150.0	10.63	11.624	11.69	0.00	0.20	2.60	1.00	1.00	0.00	18.33	84.88	0.00	2,236.0	0.0	431.38	580.42	1,011.80
9	170.0	10.92	10.350	9.58	0.00	0.21	2.57	1.00	1.00	0.00	15.87	24.09	0.00	1,234.7	0.0	378.86	162.78	541.64
														32,329.6	**0.0**			**10,110.22**

Section Forces

Structure:	CT10024-A	**Code:**	TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 12	

SBA

Load Case: 1.0D + 1.0W 60° Wind

1.0D + 1.0W 60 mph Wind at 60° From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.00
Ice Dead Load Factor: 0.00

Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	6.56	28.808	28.80	0.00	0.14	2.81	0.80	1.00	0.00	39.31	98.38	0.00	5,492.9	0.0	616.51	419.07	1,035.57
2	30.0	7.58	26.417	28.80	0.00	0.15	2.78	0.80	1.00	0.00	37.09	98.38	0.00	5,350.3	0.0	664.62	484.27	1,148.89
3	50.0	8.44	21.031	28.81	0.00	0.15	2.78	0.80	1.00	0.00	32.54	98.38	0.00	4,407.6	0.0	647.48	539.25	1,186.73
4	70.0	9.06	22.214	22.12	0.00	0.15	2.76	0.80	1.00	0.00	30.33	98.38	0.00	4,186.2	0.0	644.31	578.83	1,223.15
5	90.0	9.55	16.204	22.13	0.00	0.15	2.75	0.80	1.00	0.00	25.53	98.38	0.00	3,484.7	0.0	570.75	610.28	1,181.04
6	110.0	9.96	14.054	18.58	0.00	0.16	2.73	0.80	1.00	0.00	21.81	98.38	0.00	3,227.3	0.0	504.88	636.62	1,141.50
7	130.0	10.32	11.609	15.03	0.00	0.17	2.71	0.80	1.00	0.00	17.84	98.38	0.00	2,709.9	0.0	424.61	659.41	1,084.02
8	150.0	10.63	11.624	11.69	0.00	0.20	2.60	0.80	1.00	0.00	16.01	84.88	0.00	2,236.0	0.0	376.68	580.42	957.09
9	170.0	10.92	10.350	9.58	0.00	0.21	2.57	0.80	1.00	0.00	13.80	24.09	0.00	1,234.7	0.0	329.43	162.78	492.21
														32,329.6	**0.0**			**9,450.21**

Load Case: 1.0D + 1.0W 90° Wind

1.0D + 1.0W 60 mph Wind at 90° From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.00
Ice Dead Load Factor: 0.00

Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	10.0	6.56	28.808	28.80	0.00	0.14	2.81	0.85	1.00	0.00	40.75	98.38	0.00	5,492.9	0.0	639.10	419.07	1,058.16
2	30.0	7.58	26.417	28.80	0.00	0.15	2.78	0.85	1.00	0.00	38.41	98.38	0.00	5,350.3	0.0	688.29	484.27	1,172.56
3	50.0	8.44	21.031	28.81	0.00	0.15	2.78	0.85	1.00	0.00	33.59	98.38	0.00	4,407.6	0.0	668.41	539.25	1,207.66
4	70.0	9.06	22.214	22.12	0.00	0.15	2.76	0.85	1.00	0.00	31.44	98.38	0.00	4,186.2	0.0	667.91	578.83	1,246.74
5	90.0	9.55	16.204	22.13	0.00	0.15	2.75	0.85	1.00	0.00	26.34	98.38	0.00	3,484.7	0.0	588.86	610.28	1,199.15
6	110.0	9.96	14.054	18.58	0.00	0.16	2.73	0.85	1.00	0.00	22.51	98.38	0.00	3,227.3	0.0	521.15	636.62	1,157.77
7	130.0	10.32	11.609	15.03	0.00	0.17	2.71	0.85	1.00	0.00	18.42	98.38	0.00	2,709.9	0.0	438.43	659.41	1,097.83
8	150.0	10.63	11.624	11.69	0.00	0.20	2.60	0.85	1.00	0.00	16.59	84.88	0.00	2,236.0	0.0	390.35	580.42	970.77
9	170.0	10.92	10.350	9.58	0.00	0.21	2.57	0.85	1.00	0.00	14.31	24.09	0.00	1,234.7	0.0	341.79	162.78	504.57
														32,329.6	**0.0**			**9,615.21**

Force/Stress Compression Summary

Structure:	CT10024-A	**Code:**	EIA/TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 13

LEG MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	Fy (ksi)	Mem Cap (kips)	Leg Use %	Controls
1	20	PX - 8" DIA PIPE	-343.80	1.2D + 1.0W Normal Wind	9.77	100	100	100	40.73	50.00	508.62	67.6	Member X
2	40	PX - 8" DIA PIPE	-310.76	1.2D + 1.0W Normal Wind	9.77	100	100	100	40.72	50.00	508.65	61.1	Member X
3	60	PSP - ROHN 8 EHS	-275.42	1.2D + 1.0W Normal Wind	9.77	100	100	100	40.15	50.00	388.77	70.8	Member X
4	80	PX - 6" DIA PIPE	-243.54	1.2D + 1.0W Normal Wind	6.51	100	100	100	35.68	50.00	344.41	70.7	Member X
5	100	PSP - ROHN 6 EHS	-206.30	1.2D + 1.0W Normal Wind	6.51	100	100	100	35.12	50.00	276.03	74.7	Member X
6	120	PX - 5" DIA PIPE	-168.49	1.2D + 1.0W Normal Wind	6.51	100	100	100	42.47	50.00	240.98	69.9	Member X
7	140	PX - 4" DIA PIPE	-127.98	1.2D + 1.0W Normal Wind	4.88	100	100	100	39.60	50.00	176.96	72.3	Member X
8	160	PX - 3" DIA PIPE	-77.79	1.2D + 1.0W Normal Wind	3.91	100	100	100	41.12	50.00	120.09	64.8	Member X
9	180	PST - 2-1/2" DIA PIPE	-30.22	1.2D + 1.0W Normal Wind	0.25	100	100	100	3.17	50.00	76.62	39.4	Member X

HORIZONTAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	Use %	Controls
1	20										0.00	0	0				
2	40										0.00	0	0				
3	60										0.00	0	0				
4	80										0.00	0	0				
5	100										0.00	0	0				
6	120										0.00	0	0				
7	140										0.00	0	0				
8	160	SAE - 2X2X0.25	-0.35	0.9D + 1.0W Normal Wind	4.58	100	100	100	140.56	36.00	13.62	1	1	12.43	17.40	2.8	Bolt Shear
9	180	SAE - 2X2X0.25	-0.26	0.9D + 1.0W Normal Wind	4.58	100	100	100	140.56	36.00	13.62	1	1	12.43	17.40	2.1	Bolt Shear

DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	Use %	Controls
1	20	SAE - 4X4X0.25	-9.90	0.9D + 1.0W 90° Wind	21.87	48	48	48	158.45	50.00	22.12	1	1	17.89	23.4	55.3	Bolt Shear
2	40	SAE - 4X4X0.25	-10.1	0.9D + 1.0W 90° Wind	20.11	48	48	48	145.72	50.00	26.15	1	1	17.89	23.4	56.7	Bolt Shear
3	60	SAE - 3.5X3.5X0.25	-8.77	1.2D + 1.0W 90° Wind	18.29	48	48	48	151.83	50.00	20.98	1	1	17.89	23.4	49.0	Bolt Shear
4	80	SAE - 3X3X0.25	-7.92	1.2D + 1.0W 90° Wind	15.95	48	48	48	155.22	50.00	17.11	1	1	17.89	23.4	46.3	Member Z
5	100	SAE - 2.5X2.5X0.25	-7.31	1.2D + 1.0W 90° Wind	12.91	48	48	48	151.45	36.00	14.85	1	1	12.43	17.4	58.8	Bolt Shear
6	120	SAE - 2.5X2.5X0.25	-7.32	1.2D + 1.0W 90° Wind	11.14	48	48	48	130.71	36.00	19.94	1	1	12.43	17.4	58.9	Bolt Shear
7	140	SAE - 2X2X0.25	-7.15	1.2D + 1.0W 90° Wind	8.45	49	49	49	127.14	36.00	16.65	1	1	12.43	17.4	57.5	Bolt Shear
8	160	SAE - 2X2X0.25	-6.26	1.2D + 1.0W 90° Wind	7.50	49	49	49	114.58	36.00	19.87	1	1	12.43	17.4	50.4	Bolt Shear
9	180	SAE - 2X2X0.25	-4.91	1.2D + 1.0W 90° Wind	6.02	49	49	49	97.85	36.00	23.65	1	1	12.43	17.4	39.5	Bolt Shear

Force/Stress Tension Summary

Structure:	CT10024-A	**Code:**	EIA/TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 14	

SBA

LEG MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Leg Use %	Controls
1	20	PX - 8" DIA PIPE	309.52	0.9D + 1.0W 60° Wind	50	574.20	53.9	Member
2	40	PX - 8" DIA PIPE	282.77	0.9D + 1.0W 60° Wind	50	574.20	49.2	Member
3	60	PSP - ROHN 8 EHS	251.93	0.9D + 1.0W 60° Wind	50	437.40	57.6	Member
4	80	PX - 6" DIA PIPE	222.75	0.9D + 1.0W 60° Wind	50	378.00	58.9	Member
5	100	PSP - ROHN 6 EHS	190.09	0.9D + 1.0W 60° Wind	50	302.09	62.9	Member
6	120	PX - 5" DIA PIPE	156.73	0.9D + 1.0W 60° Wind	50	274.95	57.0	Member
7	140	PX - 4" DIA PIPE	118.78	0.9D + 1.0W 60° Wind	50	198.45	59.9	Member
8	160	PX - 3" DIA PIPE	72.12	0.9D + 1.0W 60° Wind	50	135.90	53.1	Member
9	180	PST - 2-1/2" DIA PIPE	24.39	0.9D + 1.0W 60° Wind	50	76.68	31.8	Member

HORIZONTAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	B.S. Cap (kips)	Use %	Controls
1	20	-			50	0.00	0	0					
2	40	-			50	0.00	0	0					
3	60	-			50	0.00	0	0					
4	80	-			50	0.00	0	0					
5	100	-			36	0.00	0	0					
6	120	-			36	0.00	0	0					
7	140	-			36	0.00	0	0					
8	160	SAE - 2X2X0.25	0.32	1.2D + 1.0W 60° Wind	36	30.46	1	1	12.43	13.05	11.35	2.8	Blck Shear
9	180	SAE - 2X2X0.25	0.29	1.2D + 1.0W 60° Wind	36	30.46	1	1	12.43	13.05	11.35	2.6	Blck Shear

DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	B.S. Cap (kips)	Use %	Controls
1	20	SAE - 4X4X0.25	9.65	0.9D + 1.0W 90° Wind	50	62.93	1	1	17.89	16.09	18.89	60.0	Bolt Bear
2	40	SAE - 4X4X0.25	9.96	0.9D + 1.0W 90° Wind	50	62.93	1	1	17.89	16.09	18.89	61.9	Bolt Bear
3	60	SAE - 3.5X3.5X0.25	8.41	0.9D + 1.0W 90° Wind	50	53.79	1	1	17.89	16.09	18.89	52.2	Bolt Bear
4	80	SAE - 3X3X0.25	7.96	1.2D + 1.0W 90° Wind	50	44.65	1	1	17.89	16.09	15.84	50.2	Blck Shear
5	100	SAE - 2.5X2.5X0.25	7.12	1.2D + 1.0W 90° Wind	36	32.71	1	1	12.43	13.05	12.71	57.3	Bolt Shear
6	120	SAE - 2.5X2.5X0.25	7.11	1.2D + 1.0W 90° Wind	36	32.71	1	1	12.43	13.05	12.71	57.2	Bolt Shear
7	140	SAE - 2X2X0.25	7.07	1.2D + 1.0W 90° Wind	36	24.55	1	1	12.43	13.05	9.99	70.7	Blck Shear
8	160	SAE - 2X2X0.25	6.16	1.2D + 1.0W 90° Wind	36	24.55	1	1	12.43	13.05	9.99	61.6	Blck Shear
9	180	SAE - 2X2X0.25	4.77	1.2D + 1.0W 90° Wind	36	24.55	1	1	12.43	13.05	9.99	47.8	Blck Shear

Seismic Section Forces

Structure:	CT10024-A		**Code:**	TIA-222-H	8/29/2023
Site Name:	Voluntown		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Default	
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 15

Load Case: 1.2D + 1.0Ev + 1.0Eh

Dead Load Factor	1.20	**Sds**	0.200	**Ss**	0.1880	**Fa**	1.6000	**Ke**	1.0765	**TL**	6.0000
Seismic Load Factor	1.00	**Sd1**	0.086	**S1**	0.0540	**Fv**	2.4000	**Kg**	0.0000	**Cs**	0.0441
Seismic Importance Factor	1.00	**W1**	20.59	**R**	3.0000	**Vs**	1.9350	**T**	0.6530	**f1**	1.5314

Sect #	Elev (ft)	Wz (lb)	Lateral Fsz (lbs)	Vertical Ev (lbs)
1	10.00	5492.8	21.17	220.41
2	30.00	5350.2	67.16	214.69
3	50.00	4407.6	94.47	176.86
4	70.00	4186.1	128.39	167.98
5	90.00	3484.6	138.12	139.83
6	110.00	3227.3	157.84	129.50
7	130.00	2709.9	156.54	108.74
8	150.00	7466.9	543.74	299.62
9	170.00	7527.3	627.59	302.05

Load Case: 0.9D + 1.0Ev + 1.0Eh

Dead Load Factor	0.90	**Sds**	0.200	**Ss**	0.1880	**Fa**	1.6000	**Ke**	1.0765	**TL**	6.0000
Seismic Load Factor	1.00	**Sd1**	0.086	**S1**	0.0540	**Fv**	2.4000	**Kg**	0.0000	**Cs**	0.0441
Seismic Importance Factor	1.00	**W1**	20.59	**R**	3.0000	**Vs**	1.9350	**T**	0.6530	**f1**	1.5314

Sect #	Elev (ft)	Wz (lb)	Lateral Fsz (lbs)	Vertical Ev (lbs)
1	10.00	5492.8	21.17	220.41
2	30.00	5350.2	67.16	214.69
3	50.00	4407.6	94.47	176.86
4	70.00	4186.1	128.39	167.98
5	90.00	3484.6	138.12	139.83
6	110.00	3227.3	157.84	129.50
7	130.00	2709.9	156.54	108.74
8	150.00	7466.9	543.74	299.62
9	170.00	7527.3	627.59	302.05

Support Forces Summary

Structure:	CT10024-A	**Code:**	TIA-222-H	8/29/2023	
Site Name:	Voluntown	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Default		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 16	

Load Case	Node	FX (kips)	FY (kips)	FZ (kips)	(-) = Uplift (+) = Down
1.2D + 1.0W Normal Wind	1	0.00	351.58	-35.48	
	1a	12.33	-149.48	-11.01	
	1b	-12.33	-149.48	-11.01	
1.2D + 1.0W 60° Wind	1	-3.05	178.26	-17.50	
	1a	-16.68	178.26	6.11	
	1b	-27.59	-303.90	-15.93	
1.2D + 1.0W 90° Wind	1	-3.63	17.55	-1.09	
	1a	-26.72	298.64	13.38	
	1b	-24.99	-263.56	-12.29	
0.9D + 1.0W Normal Wind	1	0.00	346.73	-35.19	
	1a	12.57	-153.63	-11.15	
	1b	-12.57	-153.63	-11.15	
0.9D + 1.0W 60° Wind	1	-3.05	173.65	-17.21	
	1a	-16.43	173.65	5.96	
	1b	-27.83	-307.83	-16.07	
0.9D + 1.0W 90° Wind	1	-3.64	13.16	-0.80	
	1a	-26.47	293.86	13.23	
	1b	-25.24	-267.55	-12.43	
1.2D + 1.0Di + 1.0Wi Normal Wind	1	0.00	121.07	-8.15	
	1a	4.51	-10.26	-3.68	
	1b	-4.51	-10.26	-3.68	
1.2D + 1.0Di + 1.0Wi 60° Wind	1	-0.89	76.40	-3.40	
	1a	-3.39	76.40	0.93	
	1b	-8.79	-52.24	-5.07	
1.2D + 1.0Di + 1.0Wi 90° Wind	1	-1.04	33.52	1.11	
	1a	-6.11	108.20	2.93	
	1b	-8.05	-41.16	-4.04	
1.2D + 1.0Ev + 1.0Eh	1	0.00	32.01	4.73	
	1a	5.64	11.19	-3.31	
	1b	-5.64	11.19	-3.31	
0.9D + 1.0Ev + 1.0Eh	1	0.00	27.60	5.02	
	1a	5.89	6.81	-3.46	
	1b	-5.89	6.81	-3.46	
1.0D + 1.0W Normal Wind	1	0.00	92.83	-9.11	
	1a	2.31	-24.49	-2.27	
	1b	-2.31	-24.49	-2.27	
1.0D + 1.0W 60° Wind	1	-0.75	52.27	-4.85	
	1a	-4.57	52.27	1.77	
	1b	-5.92	-60.69	-3.42	
1.0D + 1.0W 90° Wind	1	-0.89	14.62	-0.95	
	1a	-6.95	80.47	3.51	
	1b	-5.31	-51.23	-2.55	

Max Reactions

Leg			Overturning		
Max Uplift:	-307.83	(kips)	Moment:	6109.71	(ft-kips)
Max Down:	351.58	(kips)	Total Down:	52.62	(kips)
Max Shear:	35.48	(kips)	Total Shear:	57.50	(kips)

Analysis Summary

Structure:	CT10024-A		**Code:**	TIA-222-H	8/29/2023
Site Name:	Voluntown		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Default	
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 18

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Max Reactions

Leg			Overturning		
Max Uplift:	-307.83	(kips)	Moment:	6109.71	(ft-kips)
Max Down:	351.58	(kips)	Total Down:	52.62	(kips)
Max Shear:	35.48	(kips)	Total Shear:	57.50	(kips)

Anchor Bolts

Bolt Size (in.): 1.00
Yield Strength (Ksi): 109.00

Number Bolts: 10
Tensile Strength (Ksi): 125.00
Length: 1.00

Type: UnGrouted

Interaction Ratios:

Tensile: **0.69** Compression: **0.61**

Max Usages

Max Leg: 74.7% (1.2D + 1.0W Normal Wind - Sect 5)
Max Diag: 70.7% (1.2D + 1.0W 90° Wind - Sect 7)
Max Horiz: 2.8% (1.2D + 1.0W 60° Wind - Sect 8)

Max Deflection, Twist and Sway

Load Case	Elevation (ft)	Deflection (ft)	Twist (deg)	Sway (deg)
0.9D + 1.0Ev + 1.0Eh - Normal To Face	144.15	0.0501	0.0017	0.0490
	151.95	0.0572	0.0017	0.0555
	164.15	0.0695	0.0018	0.0599
	175.85	0.0825	0.0017	0.0642
0.9D + 1.0W 125 mph Wind at 60° From Face	144.15	1.0341	0.0398	0.9501
	151.95	1.1715	0.0414	1.0508
	164.15	1.4052	0.0445	1.1162
	175.85	1.6418	0.0447	1.1719
0.9D + 1.0W 125 mph Wind at 90° From Face	144.15	1.0418	-0.0464	0.9595
	151.95	1.1802	-0.0481	1.0558
	164.15	1.4152	-0.0520	1.1306
	175.85	1.6536	-0.0520	1.1786
0.9D + 1.0W 125 mph Wind at Normal To Face	144.15	1.0657	0.0407	0.9758
	151.95	1.2071	0.0421	1.0781
	164.15	1.4465	0.0458	1.1460
	175.85	1.6900	0.0455	1.2004
1.0D + 1.0W 60 mph Wind at 60° From Face	144.15	0.2406	0.0089	0.2202
	151.95	0.2724	0.0092	0.2436
	164.15	0.3266	0.0097	0.2583
	175.85	0.3814	0.0096	0.2724
1.0D + 1.0W 60 mph Wind at 90° From Face	144.15	0.2425	-0.0103	0.2224
	151.95	0.2745	-0.0106	0.2448
	164.15	0.3291	-0.0113	0.2618
	175.85	0.3842	-0.0111	0.2739

1.0D + 1.0W 60 mph Wind at Normal To Face	144.15	0.2482	0.0090	0.2262
	151.95	0.2809	-0.0093	0.2496
	164.15	0.3365	0.0099	0.2656
	175.85	0.3927	0.0097	0.2786
1.2D + 1.0Di + 1.0Wi 50 mph Wind at 60° From Face	144.15	0.2673	0.0099	0.2373
	151.95	0.3014	0.0102	0.2614
	164.15	0.3590	0.0108	0.2765
	175.85	0.4179	0.0105	0.2925
1.2D + 1.0Di + 1.0Wi 50 mph Wind at 90° From Face	144.15	0.2684	-0.0115	0.2391
	151.95	0.3028	-0.0119	0.2621
	164.15	0.3606	-0.0127	0.2796
	175.85	0.4197	-0.0125	0.2933
1.2D + 1.0Di + 1.0Wi 50 mph Wind at Normal From Face	144.15	0.2715	0.0100	0.2410
	151.95	0.3063	0.0103	0.2646
	164.15	0.3648	0.0110	0.2814
	175.85	0.4246	0.0108	0.2954
1.2D + 1.0Ev + 1.0Eh - Normal To Face	144.15	0.0502	0.0017	0.0491
	151.95	0.0573	-0.0017	0.0557
	164.15	0.0696	0.0018	0.0600
	175.85	0.0827	-0.0017	0.0644
1.2D + 1.0W 125 mph Wind at 60° From Face	144.15	1.0364	0.0399	0.9527
	151.95	1.1742	0.0415	1.0540
	164.15	1.4085	0.0446	1.1195
	175.85	1.6459	0.0449	1.1760
1.2D + 1.0W 125 mph Wind at 90° From Face	144.15	1.0441	-0.0465	0.9621
	151.95	1.1829	-0.0482	1.0590
	164.15	1.4186	-0.0522	1.1341
	175.85	1.6577	-0.0521	1.1827
1.2D + 1.0W 125 mph Wind at Normal To Face	144.15	1.0680	0.0408	0.9786
	151.95	1.2099	0.0422	1.0812
	164.15	1.4500	0.0459	1.1496
	175.85	1.6942	0.0456	1.2044

TES Tower Engineering Solutions	Mat Foundation Design for Self Supporting Tower			Date
				8/28/2023
	Customer Name:	Verizon	TIA Standard:	TIA-222-H
	Site Name:		Structure Height (Ft.):	180
	Site Nmber:	CT10024-A	Engineer Name:	SBA Enginee
	Engr. Number:		Engineer Login ID:	

Foundation Info Obtained from: Drawings/Calculations

Analysis or Design? Analysis

Number of Tower Legs: 3 Legs

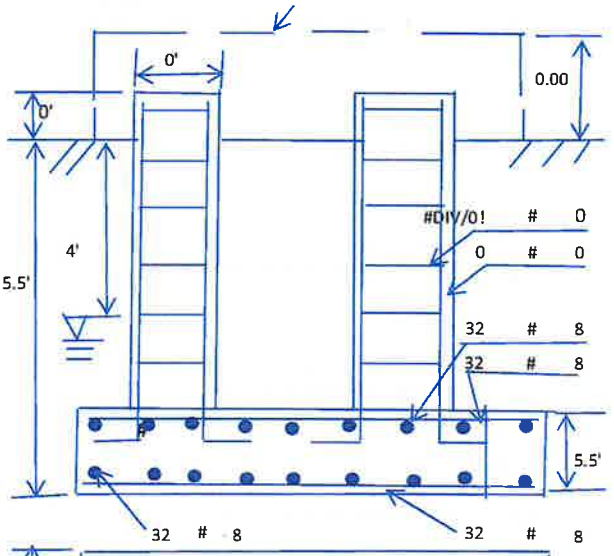
Base Reactions (Factored):

(1). Individual Leg:

Axial Load (Kips):	351.6	Uplift Force (Kips):	307.8
Shear Force (Kips):	35.5		
(2). Tower Base:			
Total Vertical Load (Kips):	52.6	Total Shear Force (Kips):	57.5
Moment (Kips-ft):	6109.7		

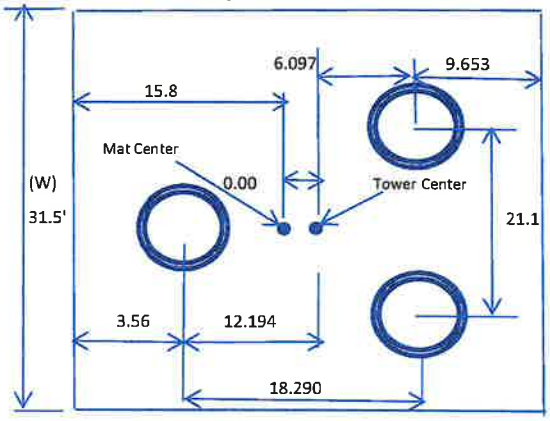
Foundation Geometries:

Leg distance (Center-to-Center ft.):	21.1	Mods required -Yes/No ?:	No
Diameter of Pier (ft.): Round	0.0	Pier Height A. G. (ft.):	0.00
Tower center to mat center (ft):	0	Depth of Base BG (ft.):	5.5
Length of Pad (ft.):	31.5	Width of Pad (ft.):	31.5
Thickness of Pad (ft):	5.50		



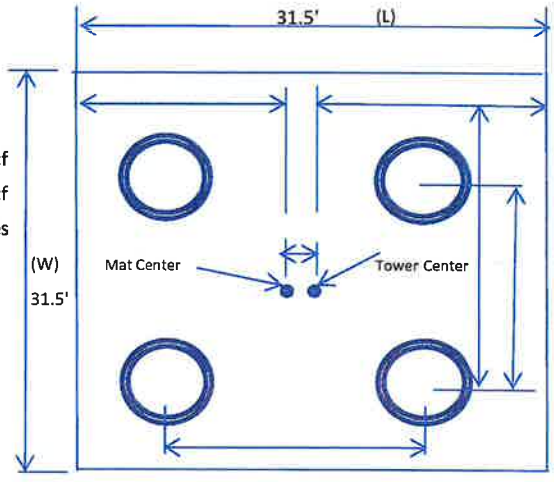
Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	0	Tie steel yield (ksi):	60	
Vertical Rebar Size #:		Tie / Stirrup Size #:		
Qty. of Vertical Rebars:		Tie Spacing (in):		
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32	



Soil Design Parameters:

Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	50.0	Pcf
Water Table B.G.S. (ft):	4.0	Unit Weight of Water:	62.4	pcf
Ultimate Bearing Pressure (psf):	12000	Consider ties in concrete shear strength:		Yes
Consider Soil Lateral Resistance ?	No			



Foundation Analysis and Design:	Uplift Strength Reduction Factor:	0.75		Compression Strength Reduction Factor:	0.75		
Total Dry Soil Volume (cu. Ft.):		0.00		Total Dry Soil Weight (Kips):	0.00		
Total Buoyant Soil Volume (cu. Ft.):		0.00		Total Buoyant Soil Weight (Kips):	0.00		
Total Effective Soil Weight (Kips):		0.00		Weight from the Concrete Block at Top (K):	0.00		
Total Dry Concrete Volume (cu. Ft.):		3969.00		Total Dry Concrete Weight (Kips):	595.35		
Total Buoyant Concrete Volume (cu. Ft.):		1488.38		Total Buoyant Concrete Weight (Kips):	130.38		
Total Effective Concrete Weight (Kips):		725.73		Total Vertical Load on Base (Kips):	778.35		
						Load/ Capacity Ratio	
Check Soil Capacities:							
Calculated Maxium Net Soil Pressure under the base (psf):		2300.14	<	Allowable Factored Soil Bearing (psf):	9000	0.26	OK!
Allowable Foundation Overturning Resistance (kips-ft.):		11116.0	>	Design Factored Momont (kips-ft):	6426	0.58	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):		1.73	OK!				
Check the capacities of Reinforceing Concrete:							
Strength reduction factor (Flexure and axial tension):		0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):		0.65		Wind Load Factor on Concrete Design:	1.00		
						Load/ Capacity Ratio	
(1) Concrete Pier:							
Vertical Steel Rebar Area (sq. in./each):		#N/A		Tie / Stirrup Area (sq. in./each):	#N/A		
Calculated Moment Capacity (Mn,Kips-Ft):		#N/A	#N/A	Design Factored Moment (Mu, Kips-Ft):	0.2	#N/A	###
Calculated Shear Capacity (Kips):		#DIV/0!	#####	Design Factored Shear (Kips):	35.5	#DIV/0!	###
Calculated Tension Capacity (Tn, Kips):		#N/A	#N/A	Design Factored Tension (Tu Kips):	307.8	#N/A	###
Calculated Compression Capacity (Pn, Kips):		#N/A	#N/A	Design Factored Axial Load (Pu Kips):	351.6	#N/A	###
Moment & Tension Strength Combination:		#N/A	#N/A	Check Tie Spacing (Design/Req'd):	#DIV/0!		
Pier Reinforcement Ratio:		#N/A		#N/A			
(2).Concrete Pad:							
One-Way Design Shear Capacity (L or W Direction, Kips):		1941.0	>	One-Way Factored Shear (L/W-Dir Kips)	374.4	0.19	OK!
One-Way Design Shear Capacity (Diagonal Dir., Kips):		1452.9	>	One-Way Factored Shear (Dia. Dir, Kips	340.1	0.23	OK!
Lower Steel Pad Reinforcement Ratio (L or W-Direct.):		0.0011		Lower Steel Reinf. Ratio (Dia. Dir.):	0.0009		
Lower Steel Pad Moment Capacity (L or W-Dir. Kips-ft):		7020.5	>	Moment at Bottom (L-Direct. K-Ft):	3072.9	0.44	OK!
Lower Steel Pad Moment Capacity (Dia. Direction,K-ft):		6957.6	>	Moment at Bottom (Dia. Dir. K-Ft):	2370.0	0.34	OK!
Upper Steel Pad Reinforcement Ratio (L or W -Direction):		0.0011		Upper Steel Reinf. Ratio (Dia. Dir.):	0.0009		
Upper Steel Pad Moment Capacity (L or W-Dir., Kips-ft):		7020.5	>	Moment at the top (L-Dir Kips-Ft):	1684.5	0.24	OK!
Upper Steel Pad Moment Capacity (Dia. Direction, K-ft):		6957.6	>	Moment at the top (Dia. Dir., K-Ft):	880.7	0.13	OK!
Punching Failure Capacity From Down Load (Kips):		1884.8	>	Punch. Failure Factored Shear (K):	351.6	0.19	OK!
Punching Failure Capacity From Uplift (Kips):		1788.0	>	Punch. Failure Factored Shear (K):	307.8	0.17	OK!
(3). Check Max. eccentricity of Loading:							
The maximum eccentricity of Loading:		8.26	ft.	Allowable eccentricity (0.45 W, ft.):	14.175		OK!
Reinforce Concrete Pad by enlarging the size of pier (Yes/No):		No					

Colliers Engineering & Design CT, P.C.
1055 Washington Boulevard
Stamford, CT 06901
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Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208810
Colliers Engineering & Design CT, P.C. Project #: 23777248

August 18, 2023

Site Information	*Site ID:*	*5000244028-VZW / BAILEY POND CT*
	Site Name:	*BAILEY POND CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*497 Ekonk Hill Road* *Voluntown, Connecticut 06384* *New London County*
	Latitude:	*41.606411°*
	Longitude:	*-71.851133°*
Structure Information	*Tower Type:*	*180-Ft Self Support*
	Mount Type:	*12.50-Ft Sector Frame*

FUZE ID # 17136831

Analysis Results

Sector Frame: **43.3% Pass w/ Hardware Upgrades***

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

******Contractor PMI Requirements:***
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Ismaias Recinos

Digitally signed by Derek Hartzell
Date: 2023.08.18 16:19:24-07'00'

STATE OF CONNECTICUT · DEREK B. HARTZELL · 32710 · LICENSED PROFESSIONAL ENGINEER

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: 1576685, dated August 2, 2021, Filter Add Scope Provided by Verizon Wireless*
Desktop Mount Mapping Report	*Colliers Engineering & Design CT, P.C., Project #: 21777248, dated November 4, 2021*
Previous Mount Replacement Analysis Report	*Maser Consulting Connecticut Project #: 21777248A, dated November 29, 2021*

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}:	130 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.985
Seismic Parameters:	S_S:	0.188 g
	S_1:	0.053 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
153.00	153.00	6	JMA Wireless	MX06FRO660-03	Retained
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Amphenol Antel	BXA-70063-6CF	
		2	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:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	28.2 %	Pass
Standoff Plate	43.3 %	Pass
Standoff Horizontal	23.0 %	Pass
Standoff Diagonal	8.2 %	Pass
Antenna Pipe	40.4 %	Pass
Standoff Vertical	11.1 %	Pass
Tieback	4.3 %	Pass
Connection	10.4 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	43.3%

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

BASELINE mount weight per SBA agreement: 1803.4 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 0 lbs

The weights listed above include 3 sectors.

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	15.6	8.7	24.7	17.9
0.5	24.4	15.1	37.3	28.0
1	32.5	20.9	49.3	37.7

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

Requirements:

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

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.

Contractor shall verify that the proposed mounts listed in the previous project (Maser Consulting Connecticut Project #: 21777248A, dated November 29, 2021) have been installed prior to the installation of this project.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000244028 SMART Project #: 10208810 Fuze Project ID: 17136831

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 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.

Contractor shall verify that the proposed mounts listed in the previous project (Maser Consulting Connecticut Project #: 21777248A, dated November 29, 2021) have been installed prior to the installation of this project.

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:	

Structure: 5000244028-VZW - Bailey Pond CT

Sector: A

Structure Type: Self Support

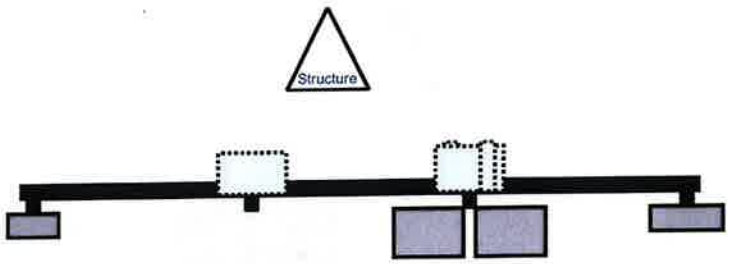
Mount Elev: 153.00

10208810

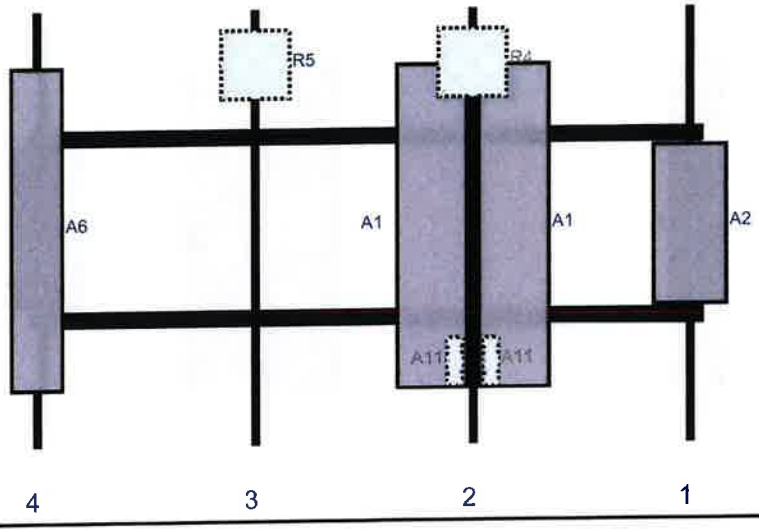
8/18/2023

Colliers Engineering & Design

Plan View

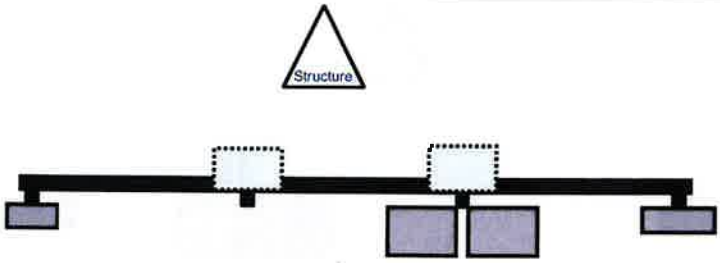


Front View - Looking at Structure

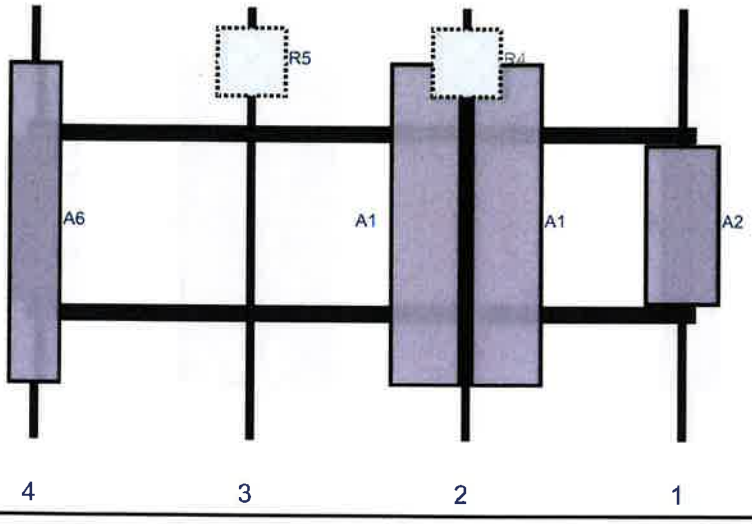


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	MT6407-77A	35.1	16.1	147	1	a	Front	48	0	Retained	
A1	MX06FRO660-03	71.3	15.4	99	2	a	Front	48	9	Retained	
A1	MX06FRO660-03	71.3	15.4	99	2	b	Front	48	-9	Retained	
R4	RF4439d-25A	15	15	99	2	a	Behind	12	0	Retained	
A11	KA-6030	10.6	3.2	99	2	a	Behind	78	4	Added	
A11	KA-6030	10.6	3.2	99	2	b	Behind	78	-4	Added	
R5	RF4440d-13A	15	15	51	3	a	Behind	12	0	Retained	
A6	BXA-70063-6CF	71	11.2	3	4	a	Front	48	0	Retained	
OVP1	RVZDC-6627-PF-48	29.5	16.5		Member					Retained	

Plan View



Front View - Looking at Structure



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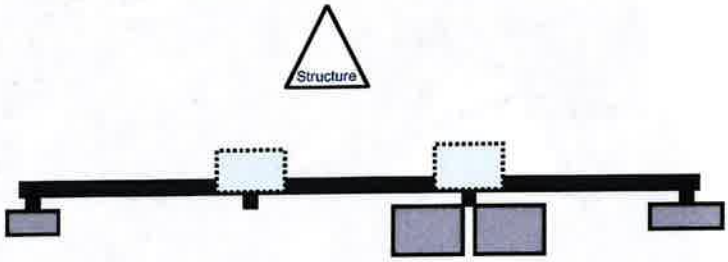
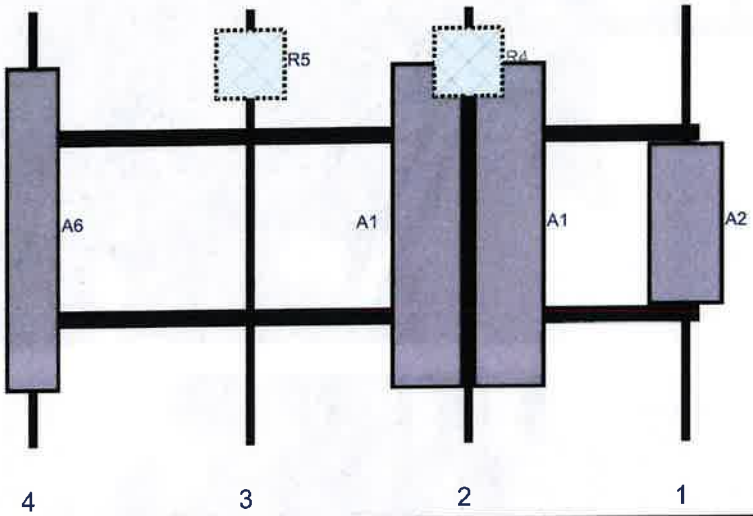
A2	MT6407-77A	35.1	16.1	147	1	a	Front	48	0	Retained	
A1	MX06FRO660-03	71.3	15.4	99	2	a	Front	48	9	Retained	
A1	MX06FRO660-03	71.3	15.4	99	2	b	Front	48	-9	Retained	
R4	RF4439d-25A	15	15	99	2	a	Behind	12	0	Retained	
R5	RF4440d-13A	15	15	51	3	a	Behind	12	0	Retained	
A6	BXA-70063-6CF	71	11.2	3	4	a	Front	48	0	Retained	

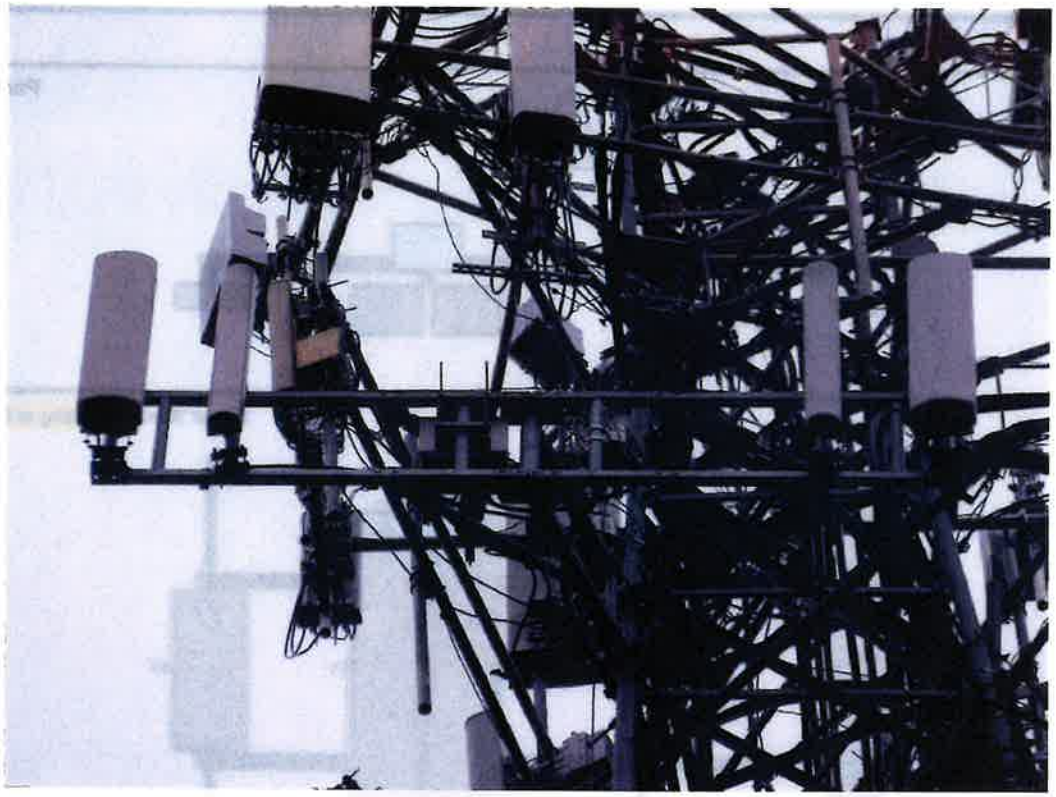
Plan View

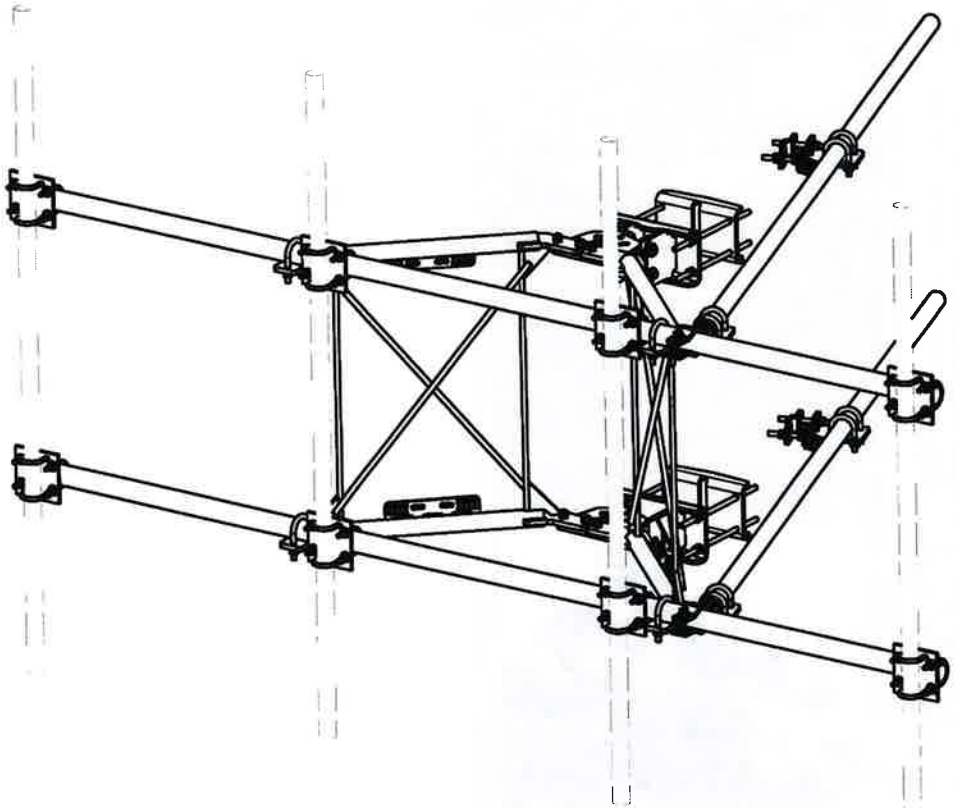


Front View - Looking at Structure



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
A2	MT6407-77A	35.1	16.1	147	1	a	Front	48	0	Retained	
A1	MX06FRO660-03	71.3	15.4	99	2	a	Front	48	9	Retained	
A1	MX06FRO660-03	71.3	15.4	99	2	b	Front	48	-9	Retained	
R4	RF4439d-25A	15	15	99	2	a	Behind	12	0	Retained	
R5	RF4440d-13A	15	15	51	3	a	Behind	12	0	Retained	
A6	BXA-70063-6CF	71	11.2	3	4	a	Front	48	0	Retained	





PARTS LIST

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-VFAW	SUPPORT ARM		71.41	142.81
2	1	X-HDCAMTBW	CLAMP WELDMENT FOR BCAM-HD		33.86	33.86
3	1	X-MHTPHD	MULTI-HOLE TAPER PLATE WELDMENT		36.24	36.24
4	2	X-VFAPL4	VFA-HD PIVOT PLATE	12 in	15.88	31.77
5	2	X-LCBP4	BENT BACKING PLATE	13 in	19.00	38.01
6	1	X-HDCAMSS	ANGLE ADJUSTMENT WELDMENT FOR BCAM-HD		16.39	16.39
7	4	X-SPTB	SLIDING PIPE TIE BACK PLATE	5 1/2 in	5.87	23.49
8	1	X-HDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM-HD		2.58	2.58
9	4	X-TBCA	TIE BACK CLIP ANGLE		2.01	8.02
10	8	SCX2	CROSSOVER PLATE	7 in	4.80	38.37
11	4	MCP	CLAMP HALF 1/2" THICK, 11-5/8" LONG	12 1/16 in	3.59	14.37
12	8	DCP	1/2" THICK, 5-3/4" CNTER TO CENTER CLAMP HALF	8 1/8 in	2.36	18.90
13	2	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	81.50
14	2	P30150	2-7/8" X 150" (2-1/2" SCH. 40) GALVANIZED PIPE	150 in	76.94	153.87
15	4	A34212	3/4" x 2-1/2" UNC HEX BOLT (A325)	2 1/2 in	0.48	1.92
16	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
17	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
18	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
19	8	G58R-18	5/8" x 18" THREADED ROD (HDG.)	18 in	0.40	3.19
20	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	4.18
21	4	G58R-8	5/8" x 8" THREADED ROD (HDG.)		0.70	2.79
22	4	X-UB5300	5/8" X 3" X 5-1/4" X 2-1/2" U-BOLT (HDG.)		1.15	4.60
23	8	X-UB5258	5/8" X 2-5/8" X 4-1/2" X 2" U-BOLT (HDG.)		1.00	8.00
24	2	G5807	5/8" x 7" HDG HEX BOLT GR5 FULL THREAD	7 in	0.70	1.41
25	1	G5806	5/8" x 6" HDG HEX BOLT GR5 FULL THREAD	6 in	0.62	0.62
26	8	G5804	5/8" x 4" HDG HEX BOLT GR5		0.44	3.55
27	4	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	1.08
28	8	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	2.50
29	25	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	1.76
30	66	G58LW	5/8" HDG LOCKWASHER		0.03	1.72
31	71	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	9.22
32	32	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.74	23.64
33	16	X-UB1212	1/2" X 2" X 3" X 1-1/4" U-BOLT (HDG.)		0.60	9.56
34	64	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.18
35	64	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.89
36	64	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.58
					TOTAL WT. #	738.06

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION		CEK	12/7/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/31/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017

REVISION HISTORY

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.090")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.090")*
ALL OTHER ASSEMBLY *(± 0.090")*

DESCRIPTION
12' 6" HEAVY DUTY
V-FRAME ASSEMBLY
WITH TWO STIFF ARMS

STIF PRO
A valmont company
Engineering Support Team: 1-888-753-7446
Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CEK 1/25/2017		VFA12-HD

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	02	CUSTOMER	BMC 12/13/2017	VFA12-HD

Colliers Engineering & Design

Desktop Mount Mapping Form

Site Name:	BAILEY POND CT	Tower Type:	Self-Support Tower
Site ID:	468454	Tower Owner:	SBA
FUZE Project ID:	16272088	Tower Height (Ft.):	180'
Customer:	Verizon Wireless	Mount Elevation (Ft.):	
Colliers Project No.	21777248	Date:	11/4/2021

Document Type	Provided? (Yes/No)	Source Name	Project No.	Dated	Comments/Remarks
Previous Mount Mapping	No				
Previous Mapping Photos	No				
Previous Mount Analysis	No				
Previous Mount Modifications	No				
Previous Structural Analysis	Yes	Tower Engineering Solutions	37275	8/21/2017	Bailey Pond Ct _Passing SA_8-21-17.pdf
Construction Drawings	No				
Closeout Package	No				
Closeout Photos	No				
Handover Package	No				
Tower Manufacture Drawings	No				
Other	Yes	Hudson Design Group, LLC		11/3/2021	Photo Package
Previous PMI	No				
PE Letter	No				

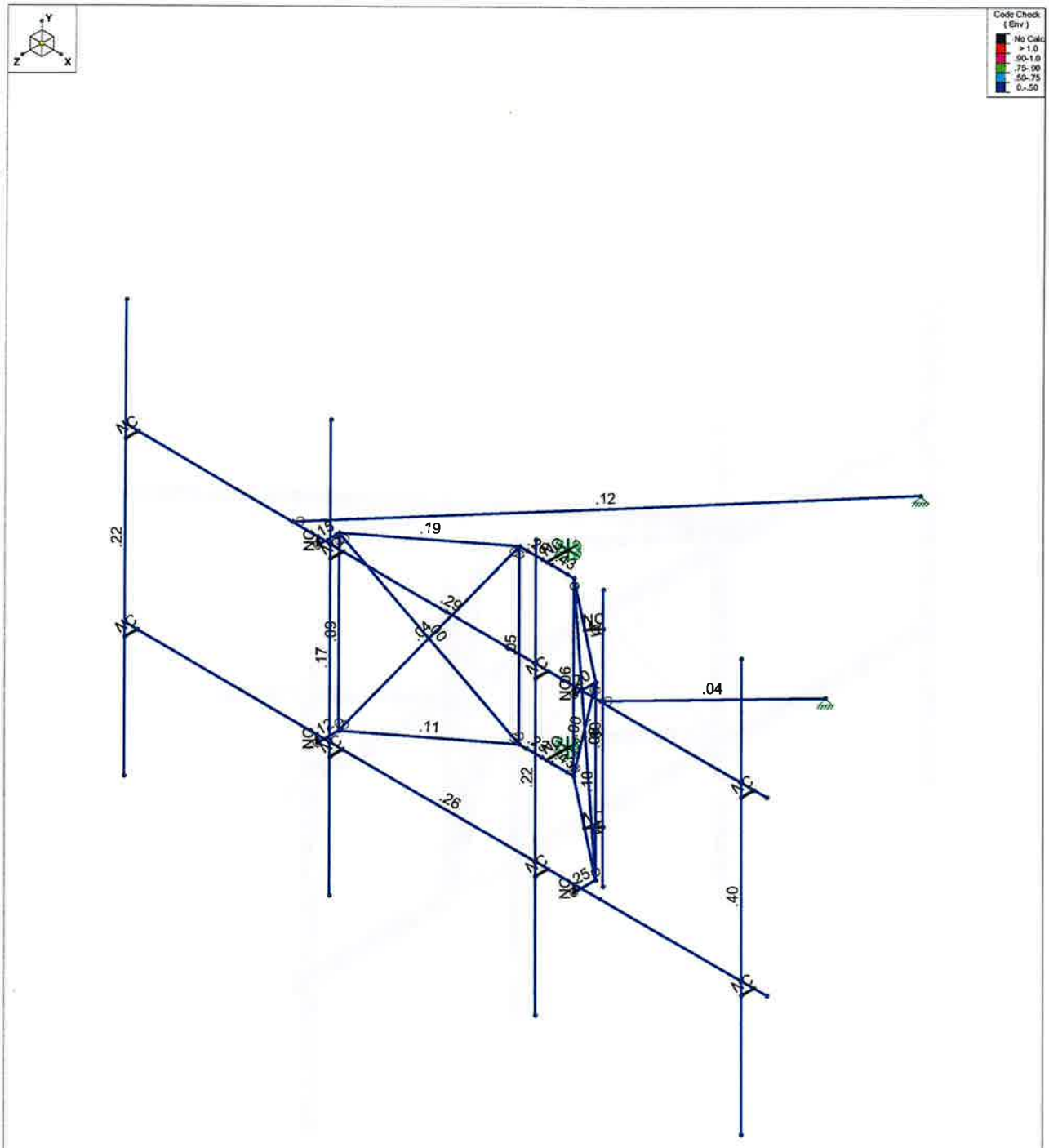
The desktop mount mapping is based on the engineering review of the available site documents in FUZE, as listed above, in place of a full mount mapping. It is assumed that the information provided in the documents listed above, provide an accurate representation of the existing mount. EOR reserves the right and will typically require additional clarification and verification as will be included in the PMI requirements. During the Post Modification Inspection (PMI) process, the GC on site will be required to confirm all questions, confirmations, and validations as posed by the EOR. The engineering review for this desktop mount mapping was performed in accordance to the ANSI/TIA-222-H requirements and Verizon's NSTD446 standard.

Photo taken from: Closeout Package

Photo taken from: Closeout Package

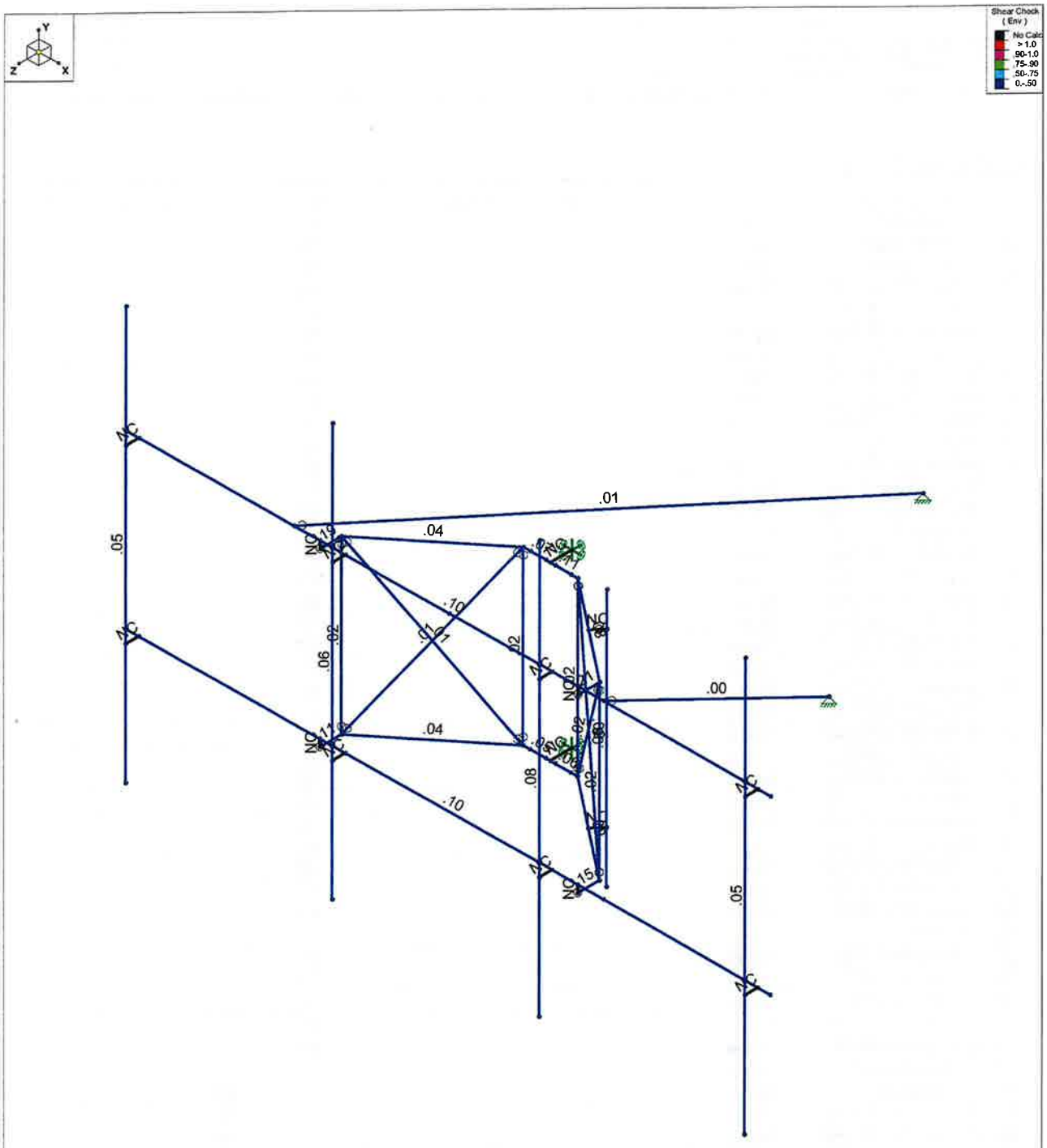
Envelope Only Solution

Colliers Engineering & De...	5000244028-VZW_MT_LOT_SectorA_H	
ILR		Aug 18, 2023 at 5:47 PM
23777248		5000244028-VZW_MT_LOT_A_...



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000244028-VZW_MT_LOT_SectorA_H	
ILR		Aug 18, 2023 at 5:46 PM
23777248		5000244028-VZW_MT_LOT_A_...



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000244028-VZW_MT_LOT_SectorA_H	
ILR		Aug 18, 2023 at 5:47 PM
23777248		5000244028-VZW_MT_LOT_A_...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					45			
2	Antenna Di	None					45			
3	Antenna Wo (0 Deg)	None					45			
4	Antenna Wo (30 Deg)	None					45			
5	Antenna Wo (60 Deg)	None					45			
6	Antenna Wo (90 Deg)	None					45			
7	Antenna Wo (120 Deg)	None					45			
8	Antenna Wo (150 Deg)	None					45			
9	Antenna Wo (180 Deg)	None					45			
10	Antenna Wo (210 Deg)	None					45			
11	Antenna Wo (240 Deg)	None					45			
12	Antenna Wo (270 Deg)	None					45			
13	Antenna Wo (300 Deg)	None					45			
14	Antenna Wo (330 Deg)	None					45			
15	Antenna Wi (0 Deg)	None					45			
16	Antenna Wi (30 Deg)	None					45			
17	Antenna Wi (60 Deg)	None					45			
18	Antenna Wi (90 Deg)	None					45			
19	Antenna Wi (120 Deg)	None					45			
20	Antenna Wi (150 Deg)	None					45			
21	Antenna Wi (180 Deg)	None					45			
22	Antenna Wi (210 Deg)	None					45			
23	Antenna Wi (240 Deg)	None					45			
24	Antenna Wi (270 Deg)	None					45			
25	Antenna Wi (300 Deg)	None					45			
26	Antenna Wi (330 Deg)	None					45			
27	Antenna Wm (0 Deg)	None					45			
28	Antenna Wm (30 Deg)	None					45			
29	Antenna Wm (60 Deg)	None					45			
30	Antenna Wm (90 Deg)	None					45			
31	Antenna Wm (120 De...	None					45			
32	Antenna Wm (150 De...	None					45			
33	Antenna Wm (180 De...	None					45			
34	Antenna Wm (210 De...	None					45			
35	Antenna Wm (240 De...	None					45			
36	Antenna Wm (270 De...	None					45			
37	Antenna Wm (300 De...	None					45			
38	Antenna Wm (330 De...	None					45			
39	Structure D	None		-1						
40	Structure Di	None						29		
41	Structure Wo (0 Deg)	None						58		
42	Structure Wo (30 Deg)	None						58		
43	Structure Wo (60 Deg)	None						58		
44	Structure Wo (90 Deg)	None						58		
45	Structure Wo (120 D...	None						58		
46	Structure Wo (150 D...	None						58		
47	Structure Wo (180 D...	None						58		
48	Structure Wo (210 D...	None						58		
49	Structure Wo (240 D...	None						58		
50	Structure Wo (270 D...	None						58		
51	Structure Wo (300 D...	None						58		
52	Structure Wo (330 D...	None						58		
53	Structure Wi (0 Deg)	None						58		
54	Structure Wi (30 Deg)	None						58		
55	Structure Wi (60 Deg)	None						58		
56	Structure Wi (90 Deg)	None						58		
57	Structure Wi (120 De...	None						58		
58	Structure Wi (150 De...	None						58		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						58		
60	Structure Wi (210 De...	None						58		
61	Structure Wi (240 De...	None						58		
62	Structure Wi (270 De...	None						58		
63	Structure Wi (300 De...	None						58		
64	Structure Wi (330 De...	None						58		
65	Structure Wm (0 Deg)	None						58		
66	Structure Wm (30 De...	None						58		
67	Structure Wm (60 De...	None						58		
68	Structure Wm (90 De...	None						58		
69	Structure Wm (120 D...	None						58		
70	Structure Wm (150 D...	None						58		
71	Structure Wm (180 D...	None						58		
72	Structure Wm (210 D...	None						58		
73	Structure Wm (240 D...	None						58		
74	Structure Wm (270 D...	None						58		
75	Structure Wm (300 D...	None						58		
76	Structure Wm (330 D...	None						58		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					45			
82	Antenna Eh (0 Deg)	None					30			
83	Antenna Eh (90 Deg)	None					30			
84	Structure Ev	ELY		-.04						
85	Structure Eh (0 Deg)	ELZ			-.1					
86	Structure Eh (90 Deg)	ELX	.1							

Load Combinations

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
27	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Yes	Y		1	1.4	39	1.4																		
52	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX							
53	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5						
54	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866						
55	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1						
56	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866						
57	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5						
58	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX							
59	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5						
60	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866						
61	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1						
62	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866						
63	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5						
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX							
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5						
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866						
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1						
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866						
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5						
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX							
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5						
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866						
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1						
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866						
75	0.9D - 1.0...	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	3.416667	0.145833	8.083333	0	
2	N2	-9.083333	0.145833	8.083333	0	
3	N3	3.416667	3.479167	8.083333	0	
4	N4	-9.083333	3.479167	8.083333	0	
5	N5	-8.833333	0.145833	8.083333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
6	N6	-8.833333	3.479167	8.083333	0	
7	N7	-4.833333	0.145833	8.083333	0	
8	N8	-4.833333	3.479167	8.083333	0	
9	N9	-0.833333	0.145833	8.083333	0	
10	N10	-0.833333	3.479167	8.083333	0	
11	N11	3.166667	0.145833	8.083333	0	
12	N12	3.166667	3.479167	8.083333	0	
13	N13	-8.833333	0.145833	8.333333	0	
14	N14	-8.833333	3.479167	8.333333	0	
15	N15	-4.833333	0.145833	8.333333	0	
16	N16	-4.833333	3.479167	8.333333	0	
17	N17	-0.833333	0.145833	8.333333	0	
18	N18	-0.833333	3.479167	8.333333	0	
19	N19	3.166667	0.145833	8.333333	0	
20	N20	3.166667	3.479167	8.333333	0	
21	N21	-5.333333	0	8.083333	0	
22	N22	-5.333333	3.333333	8.083333	0	
23	N23	-0.333333	0	8.083333	0	
24	N24	-0.333333	3.333333	8.083333	0	
25	N25	-5.333333	0	7.661458	0	
26	N26	-5.333333	3.333333	7.661458	0	
27	N27	-0.333333	0	7.661458	0	
28	N28	-0.333333	3.333333	7.661458	0	
29	N29	-2.833333	0	6.119792	0	
30	N30	-2.833333	3.333333	6.119792	0	
31	N31	-3.364583	0	6.119792	0	
32	N32	-3.364583	3.333333	6.119792	0	
33	N33	-2.302083	0	6.119792	0	
34	N34	-2.302083	3.333333	6.119792	0	
35	N35	-2.833333	0	5.703125	0	
36	N36	-2.833333	3.333333	5.703125	0	
37	N39	-8.833333	5.8125	8.333333	0	
38	N40	-4.833333	5.8125	8.333333	0	
39	N41	-0.833333	5.8125	8.333333	0	
40	N42	3.166667	5.8125	8.333333	0	
41	N43	-8.833333	-2.1875	8.333333	0	
42	N44	-4.833333	-2.1875	8.333333	0	
43	N45	-0.833333	-2.1875	8.333333	0	
44	N46	3.166667	-2.1875	8.333333	0	
45	N58	-5.333333	3.333333	7.708333	0	
46	N76	-2.927083	0	6.119792	0	
47	N77	-3.229167	0	6.119792	0	
48	N78	-2.739583	0	6.119792	0	
49	N79	-2.4375	0	6.119792	0	
50	N80	-2.927083	3.333333	6.119792	0	
51	N81	-3.229167	3.333333	6.119792	0	
52	N82	-2.739583	3.333333	6.119792	0	
53	N83	-2.4375	3.333333	6.119792	0	
54	N58A	-2.833333	3.479167	8.083333	0	
55	N59	-5.333333	0.145833	8.083333	0	
56	N60	-5.333333	3.479167	8.083333	0	
57	N61	-0.333333	0.145833	8.083333	0	
58	N62	-0.333333	3.479167	8.083333	0	
59	N59A	-5.833333	3.479167	8.083333	0	
60	N60A	0.166667	3.479167	8.083333	0	
61	N68	-1.317708	3.333333	6.890625	0	
62	N69	-1.317708	0	6.890625	0	
63	N70	-1.157011	3.333333	6.699114	0	
64	N71	-1.157011	0	6.699114	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
65	N67	-1.157011	4.000033	6.699114	0	
66	N68A	-1.157011	-0.999967	6.699114	0	
67	N68B	0.166667	0.145833	8.083333	0	
68	N70A	2.166667	3.333	5.703125	0	
69	N72A	-0.333333	3.333	1.372998	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Horizontal mount pipe	PIPE 2.5	Beam	Pipe	Q235	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
4	Standoff Diagonal	SR 0.75	Beam	BAR	Q235	Typical	.442	.016	.016	.031
5	Tieback	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
6	Standoff Vertical	SR 0.625	Beam	BAR	Q235	Typical	.307	.007	.007	.015
7	Standoff Plate	PL5/8X3.5	Beam	BAR	Q235	Typical	2.188	.071	2.233	.253
8	tower pipe	PIPE 3.0	Column	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (\1E...	Density[k/ft...	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
7	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
1	M1	N2	N1			Horizontal ...	Beam	Pipe	Q235	Typical
2	M2	N4	N3			Horizontal ...	Beam	Pipe	Q235	Typical
3	M3	N5	N13			RIGID	None	None	RIGID	Typical
4	M4	N6	N14			RIGID	None	None	RIGID	Typical
5	M5	N8	N16			RIGID	None	None	RIGID	Typical
6	M6	N7	N15			RIGID	None	None	RIGID	Typical
7	M9	N10	N18			RIGID	None	None	RIGID	Typical
8	M10	N9	N17			RIGID	None	None	RIGID	Typical
9	M11	N12	N20			RIGID	None	None	RIGID	Typical
10	M12	N11	N19			RIGID	None	None	RIGID	Typical
11	M13	N22	N26		90	Standoff Pla...	Beam	BAR	Q235	Typical
12	M14	N21	N25		90	Standoff Pla...	Beam	BAR	Q235	Typical
13	M15	N23	N27		90	Standoff Pla...	Beam	BAR	Q235	Typical
14	M16	N24	N28		90	Standoff Pla...	Beam	BAR	Q235	Typical
15	M17	N26	N32			Standoff Ho...	Beam	Pipe	Q235	Typical
16	M18	N25	N31			Standoff Ho...	Beam	Pipe	Q235	Typical
17	M19	N27	N33			Standoff Ho...	Beam	Pipe	Q235	Typical
18	M20	N28	N34			Standoff Ho...	Beam	Pipe	Q235	Typical
19	M21	N32	N30		90	Standoff Pla...	Beam	BAR	Q235	Typical
20	M22	N34	N30		90	Standoff Pla...	Beam	BAR	Q235	Typical
21	M23	N31	N29		90	Standoff Pla...	Beam	BAR	Q235	Typical
22	M24	N33	N29		90	Standoff Pla...	Beam	BAR	Q235	Typical
23	M25	N31	N26			Standoff Dia...	Beam	BAR	Q235	Typical
24	M26	N32	N25			Standoff Dia...	Beam	BAR	Q235	Typical
25	M27	N33	N28			Standoff Dia...	Beam	BAR	Q235	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
26	M28	N27	N34			Standoff Dia...	Beam	BAR	Q235	Typical
27	M29	N29	N35			RIGID	None	None	RIGID	Typical
28	M30	N30	N36			RIGID	None	None	RIGID	Typical
29	MP4A	N39	N43			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
30	MP3A	N40	N44			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
31	MP2A	N41	N45			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
32	MP1A	N42	N46			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
33	M44	N25	N26			Standoff Ve...	Beam	BAR	Q235	Typical
34	M45	N31	N32			Standoff Ve...	Beam	BAR	Q235	Typical
35	M46	N33	N34			Standoff Ve...	Beam	BAR	Q235	Typical
36	M47	N27	N28			Standoff Ve...	Beam	BAR	Q235	Typical
37	M47B	N22	N60			RIGID	None	None	RIGID	Typical
38	M48A	N21	N59			RIGID	None	None	RIGID	Typical
39	M49A	N24	N62			RIGID	None	None	RIGID	Typical
40	M50A	N23	N61			RIGID	None	None	RIGID	Typical
41	M51A	N30	N36			RIGID	None	None	RIGID	Typical
42	M52A	N29	N35			RIGID	None	None	RIGID	Typical
43	M44A	N60A	N70A			Tieback	Beam	Pipe	Q235	Typical
44	M47A	N68	N70			RIGID	None	None	RIGID	Typical
45	M48	N69	N71			RIGID	None	None	RIGID	Typical
46	OVP1	N67	N68A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
47	M47C	N59A	N72A			Tieback	Beam	Pipe	Q235	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				None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M9						Yes	** NA **			None
8	M10						Yes	** NA **			None
9	M11						Yes	** NA **			None
10	M12						Yes	** NA **			None
11	M13						Yes	Default			None
12	M14						Yes	Default			None
13	M15						Yes				None
14	M16						Yes				None
15	M17						Yes	Default			None
16	M18						Yes				None
17	M19						Yes				None
18	M20						Yes	Default			None
19	M21						Yes	Default			None
20	M22						Yes				None
21	M23						Yes				None
22	M24						Yes				None
23	M25	BenPIN	BenPIN			Euler Buc...	Yes	Default			None
24	M26	BenPIN	BenPIN			Euler Buc...	Yes	Default			None
25	M27	BenPIN	BenPIN			Euler Buc...	Yes				None
26	M28	BenPIN	BenPIN			Euler Buc...	Yes				None
27	M29						Yes	** NA **		Inactive	None
28	M30						Yes	** NA **		Inactive	None
29	MP4A						Yes				None
30	MP3A						Yes				None
31	MP2A						Yes				None
32	MP1A						Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
33	M44	BenPIN	BenPIN				Yes				None
34	M45	BenPIN	BenPIN				Yes				None
35	M46	BenPIN	BenPIN				Yes				None
36	M47	BenPIN	BenPIN				Yes	Default			None
37	M47B		OOOXOO				Yes	** NA **			None
38	M48A		OOOXOO				Yes	** NA **			None
39	M49A		OOOXOO				Yes	** NA **			None
40	M50A		OOOXOO				Yes	** NA **			None
41	M51A						Yes	** NA **			None
42	M52A						Yes	** NA **			None
43	M44A	BenPIN					Yes	Default			None
44	M47A		OOOXOO				Yes	** NA **			None
45	M48		OOOXOO				Yes	** NA **			None
46	OVP1						Yes				None
47	M47C	BenPIN					Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-8.8	6
2	MP2A	My	.009	6
3	MP2A	Mz	.003	6
4	MP2A	Y	-8.8	7
5	MP2A	My	.009	7
6	MP2A	Mz	.003	7
7	MP2A	Y	-8.8	6
8	MP2A	My	.009	6
9	MP2A	Mz	-.003	6
10	MP2A	Y	-8.8	7
11	MP2A	My	.009	7
12	MP2A	Mz	-.003	7
13	MP2A	Y	-23	1.5
14	MP2A	My	-.011	1.5
15	MP2A	Mz	.017	1.5
16	MP2A	Y	-23	6.5
17	MP2A	My	-.011	6.5
18	MP2A	Mz	.017	6.5
19	MP2A	Y	-23	1.5
20	MP2A	My	-.011	1.5
21	MP2A	Mz	-.017	1.5
22	MP2A	Y	-23	6.5
23	MP2A	My	-.011	6.5
24	MP2A	Mz	-.017	6.5
25	MP1A	Y	-43.55	3.5
26	MP1A	My	-.022	3.5
27	MP1A	Mz	0	3.5
28	MP1A	Y	-43.55	4.5
29	MP1A	My	-.022	4.5
30	MP1A	Mz	0	4.5
31	OVP1	Y	-32	1.5
32	OVP1	My	0	1.5
33	OVP1	Mz	0	1.5
34	MP2A	Y	-74.7	1
35	MP2A	My	.037	1
36	MP2A	Mz	0	1
37	MP3A	Y	-70.3	1
38	MP3A	My	.035	1
39	MP3A	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	Y	-8.5	1.5
41	MP4A	My	-.004	1.5
42	MP4A	Mz	0	1.5
43	MP4A	Y	-8.5	6.5
44	MP4A	My	-.004	6.5
45	MP4A	Mz	0	6.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-8.781	6
2	MP2A	My	.009	6
3	MP2A	Mz	.003	6
4	MP2A	Y	-8.781	7
5	MP2A	My	.009	7
6	MP2A	Mz	.003	7
7	MP2A	Y	-8.781	6
8	MP2A	My	.009	6
9	MP2A	Mz	-.003	6
10	MP2A	Y	-8.781	7
11	MP2A	My	.009	7
12	MP2A	Mz	-.003	7
13	MP2A	Y	-83.377	1.5
14	MP2A	My	-.042	1.5
15	MP2A	Mz	.063	1.5
16	MP2A	Y	-83.377	6.5
17	MP2A	My	-.042	6.5
18	MP2A	Mz	.063	6.5
19	MP2A	Y	-83.377	1.5
20	MP2A	My	-.042	1.5
21	MP2A	Mz	-.063	1.5
22	MP2A	Y	-83.377	6.5
23	MP2A	My	-.042	6.5
24	MP2A	Mz	-.063	6.5
25	MP1A	Y	-36.019	3.5
26	MP1A	My	-.018	3.5
27	MP1A	Mz	0	3.5
28	MP1A	Y	-36.019	4.5
29	MP1A	My	-.018	4.5
30	MP1A	Mz	0	4.5
31	OVP1	Y	-88.897	1.5
32	OVP1	My	0	1.5
33	OVP1	Mz	0	1.5
34	MP2A	Y	-45.419	1
35	MP2A	My	.023	1
36	MP2A	Mz	0	1
37	MP3A	Y	-43.254	1
38	MP3A	My	.022	1
39	MP3A	Mz	0	1
40	MP4A	Y	-52.345	1.5
41	MP4A	My	-.026	1.5
42	MP4A	Mz	0	1.5
43	MP4A	Y	-52.345	6.5
44	MP4A	My	-.026	6.5
45	MP4A	Mz	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-24.198	6
3	MP2A	Mx	-.008	6
4	MP2A	X	0	7
5	MP2A	Z	-24.198	7
6	MP2A	Mx	-.008	7
7	MP2A	X	0	6
8	MP2A	Z	-24.198	6
9	MP2A	Mx	.008	6
10	MP2A	X	0	7
11	MP2A	Z	-24.198	7
12	MP2A	Mx	.008	7
13	MP2A	X	0	1.5
14	MP2A	Z	-119.225	1.5
15	MP2A	Mx	-.089	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	-119.225	6.5
18	MP2A	Mx	-.089	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-119.225	1.5
21	MP2A	Mx	.089	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-119.225	6.5
24	MP2A	Mx	.089	6.5
25	MP1A	X	0	3.5
26	MP1A	Z	-98.808	3.5
27	MP1A	Mx	0	3.5
28	MP1A	X	0	4.5
29	MP1A	Z	-98.808	4.5
30	MP1A	Mx	0	4.5
31	OVP1	X	0	1.5
32	OVP1	Z	-155.325	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	0	1
35	MP2A	Z	-78.139	1
36	MP2A	Mx	0	1
37	MP3A	X	0	1
38	MP3A	Z	-78.139	1
39	MP3A	Mx	0	1
40	MP4A	X	0	1.5
41	MP4A	Z	-190.81	1.5
42	MP4A	Mx	0	1.5
43	MP4A	X	0	6.5
44	MP4A	Z	-190.81	6.5
45	MP4A	Mx	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.108	6
2	MP2A	Z	-20.971	6
3	MP2A	Mx	.005	6
4	MP2A	X	12.108	7
5	MP2A	Z	-20.971	7
6	MP2A	Mx	.005	7
7	MP2A	X	12.108	6
8	MP2A	Z	-20.971	6
9	MP2A	Mx	.019	6
10	MP2A	X	12.108	7
11	MP2A	Z	-20.971	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	.019	7
13	MP2A	X	55.863	1.5
14	MP2A	Z	-96.758	1.5
15	MP2A	Mx	-.101	1.5
16	MP2A	X	55.863	6.5
17	MP2A	Z	-96.758	6.5
18	MP2A	Mx	-.101	6.5
19	MP2A	X	55.863	1.5
20	MP2A	Z	-96.758	1.5
21	MP2A	Mx	.045	1.5
22	MP2A	X	55.863	6.5
23	MP2A	Z	-96.758	6.5
24	MP2A	Mx	.045	6.5
25	MP1A	X	41.307	3.5
26	MP1A	Z	-71.545	3.5
27	MP1A	Mx	-.021	3.5
28	MP1A	X	41.307	4.5
29	MP1A	Z	-71.545	4.5
30	MP1A	Mx	-.021	4.5
31	OVP1	X	68.662	1.5
32	OVP1	Z	-118.926	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	35.856	1
35	MP2A	Z	-62.104	1
36	MP2A	Mx	.018	1
37	MP3A	X	35.226	1
38	MP3A	Z	-61.012	1
39	MP3A	Mx	.018	1
40	MP4A	X	84.655	1.5
41	MP4A	Z	-146.627	1.5
42	MP4A	Mx	-.042	1.5
43	MP4A	X	84.655	6.5
44	MP4A	Z	-146.627	6.5
45	MP4A	Mx	-.042	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.002	6
2	MP2A	Z	-12.126	6
3	MP2A	Mx	.017	6
4	MP2A	X	21.002	7
5	MP2A	Z	-12.126	7
6	MP2A	Mx	.017	7
7	MP2A	X	21.002	6
8	MP2A	Z	-12.126	6
9	MP2A	Mx	.025	6
10	MP2A	X	21.002	7
11	MP2A	Z	-12.126	7
12	MP2A	Mx	.025	7
13	MP2A	X	83.769	1.5
14	MP2A	Z	-48.364	1.5
15	MP2A	Mx	-.078	1.5
16	MP2A	X	83.769	6.5
17	MP2A	Z	-48.364	6.5
18	MP2A	Mx	-.078	6.5
19	MP2A	X	83.769	1.5
20	MP2A	Z	-48.364	1.5
21	MP2A	Mx	-.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	83.769	6.5
23	MP2A	Z	-48.364	6.5
24	MP2A	Mx	-.006	6.5
25	MP1A	X	43.495	3.5
26	MP1A	Z	-25.112	3.5
27	MP1A	Mx	-.022	3.5
28	MP1A	X	43.495	4.5
29	MP1A	Z	-25.112	4.5
30	MP1A	Mx	-.022	4.5
31	OVP1	X	106.217	1.5
32	OVP1	Z	-61.324	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	50.971	1
35	MP2A	Z	-29.428	1
36	MP2A	Mx	.025	1
37	MP3A	X	47.697	1
38	MP3A	Z	-27.538	1
39	MP3A	Mx	.024	1
40	MP4A	X	109.387	1.5
41	MP4A	Z	-63.155	1.5
42	MP4A	Mx	-.055	1.5
43	MP4A	X	109.387	6.5
44	MP4A	Z	-63.155	6.5
45	MP4A	Mx	-.055	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	24.269	6
2	MP2A	Z	0	6
3	MP2A	Mx	.024	6
4	MP2A	X	24.269	7
5	MP2A	Z	0	7
6	MP2A	Mx	.024	7
7	MP2A	X	24.269	6
8	MP2A	Z	0	6
9	MP2A	Mx	.024	6
10	MP2A	X	24.269	7
11	MP2A	Z	0	7
12	MP2A	Mx	.024	7
13	MP2A	X	89.23	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	-.045	1.5
16	MP2A	X	89.23	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	-.045	6.5
19	MP2A	X	89.23	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.045	1.5
22	MP2A	X	89.23	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.045	6.5
25	MP1A	X	34.028	3.5
26	MP1A	Z	0	3.5
27	MP1A	Mx	-.017	3.5
28	MP1A	X	34.028	4.5
29	MP1A	Z	0	4.5
30	MP1A	Mx	-.017	4.5
31	OVP1	X	125.975	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	OVP1	Z	0	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	52.429	1
35	MP2A	Z	0	1
36	MP2A	Mx	.026	1
37	MP3A	X	47.387	1
38	MP3A	Z	0	1
39	MP3A	Mx	.024	1
40	MP4A	X	104.81	1.5
41	MP4A	Z	0	1.5
42	MP4A	Mx	-.052	1.5
43	MP4A	X	104.81	6.5
44	MP4A	Z	0	6.5
45	MP4A	Mx	-.052	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.002	6
2	MP2A	Z	12.126	6
3	MP2A	Mx	.025	6
4	MP2A	X	21.002	7
5	MP2A	Z	12.126	7
6	MP2A	Mx	.025	7
7	MP2A	X	21.002	6
8	MP2A	Z	12.126	6
9	MP2A	Mx	.017	6
10	MP2A	X	21.002	7
11	MP2A	Z	12.126	7
12	MP2A	Mx	.017	7
13	MP2A	X	83.769	1.5
14	MP2A	Z	48.364	1.5
15	MP2A	Mx	-.006	1.5
16	MP2A	X	83.769	6.5
17	MP2A	Z	48.364	6.5
18	MP2A	Mx	-.006	6.5
19	MP2A	X	83.769	1.5
20	MP2A	Z	48.364	1.5
21	MP2A	Mx	-.078	1.5
22	MP2A	X	83.769	6.5
23	MP2A	Z	48.364	6.5
24	MP2A	Mx	-.078	6.5
25	MP1A	X	43.495	3.5
26	MP1A	Z	25.112	3.5
27	MP1A	Mx	-.022	3.5
28	MP1A	X	43.495	4.5
29	MP1A	Z	25.112	4.5
30	MP1A	Mx	-.022	4.5
31	OVP1	X	124.687	1.5
32	OVP1	Z	71.988	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	50.971	1
35	MP2A	Z	29.428	1
36	MP2A	Mx	.025	1
37	MP3A	X	47.697	1
38	MP3A	Z	27.538	1
39	MP3A	Mx	.024	1
40	MP4A	X	109.387	1.5
41	MP4A	Z	63.155	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	-.055	1.5
43	MP4A	X	109.387	6.5
44	MP4A	Z	63.155	6.5
45	MP4A	Mx	-.055	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.108	6
2	MP2A	Z	20.971	6
3	MP2A	Mx	.019	6
4	MP2A	X	12.108	7
5	MP2A	Z	20.971	7
6	MP2A	Mx	.019	7
7	MP2A	X	12.108	6
8	MP2A	Z	20.971	6
9	MP2A	Mx	.005	6
10	MP2A	X	12.108	7
11	MP2A	Z	20.971	7
12	MP2A	Mx	.005	7
13	MP2A	X	55.863	1.5
14	MP2A	Z	96.758	1.5
15	MP2A	Mx	.045	1.5
16	MP2A	X	55.863	6.5
17	MP2A	Z	96.758	6.5
18	MP2A	Mx	.045	6.5
19	MP2A	X	55.863	1.5
20	MP2A	Z	96.758	1.5
21	MP2A	Mx	-.101	1.5
22	MP2A	X	55.863	6.5
23	MP2A	Z	96.758	6.5
24	MP2A	Mx	-.101	6.5
25	MP1A	X	41.307	3.5
26	MP1A	Z	71.545	3.5
27	MP1A	Mx	-.021	3.5
28	MP1A	X	41.307	4.5
29	MP1A	Z	71.545	4.5
30	MP1A	Mx	-.021	4.5
31	OVP1	X	79.326	1.5
32	OVP1	Z	137.396	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	35.856	1
35	MP2A	Z	62.104	1
36	MP2A	Mx	.018	1
37	MP3A	X	35.226	1
38	MP3A	Z	61.012	1
39	MP3A	Mx	.018	1
40	MP4A	X	84.655	1.5
41	MP4A	Z	146.627	1.5
42	MP4A	Mx	-.042	1.5
43	MP4A	X	84.655	6.5
44	MP4A	Z	146.627	6.5
45	MP4A	Mx	-.042	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	6
2	MP2A	Z	24.198	6
3	MP2A	Mx	.008	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	0	7
5	MP2A	Z	24.198	7
6	MP2A	Mx	.008	7
7	MP2A	X	0	6
8	MP2A	Z	24.198	6
9	MP2A	Mx	-.008	6
10	MP2A	X	0	7
11	MP2A	Z	24.198	7
12	MP2A	Mx	-.008	7
13	MP2A	X	0	1.5
14	MP2A	Z	119.225	1.5
15	MP2A	Mx	.089	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	119.225	6.5
18	MP2A	Mx	.089	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	119.225	1.5
21	MP2A	Mx	-.089	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	119.225	6.5
24	MP2A	Mx	-.089	6.5
25	MP1A	X	0	3.5
26	MP1A	Z	98.808	3.5
27	MP1A	Mx	0	3.5
28	MP1A	X	0	4.5
29	MP1A	Z	98.808	4.5
30	MP1A	Mx	0	4.5
31	OVP1	X	0	1.5
32	OVP1	Z	155.325	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	0	1
35	MP2A	Z	78.139	1
36	MP2A	Mx	0	1
37	MP3A	X	0	1
38	MP3A	Z	78.139	1
39	MP3A	Mx	0	1
40	MP4A	X	0	1.5
41	MP4A	Z	190.81	1.5
42	MP4A	Mx	0	1.5
43	MP4A	X	0	6.5
44	MP4A	Z	190.81	6.5
45	MP4A	Mx	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.108	6
2	MP2A	Z	20.971	6
3	MP2A	Mx	-.005	6
4	MP2A	X	-12.108	7
5	MP2A	Z	20.971	7
6	MP2A	Mx	-.005	7
7	MP2A	X	-12.108	6
8	MP2A	Z	20.971	6
9	MP2A	Mx	-.019	6
10	MP2A	X	-12.108	7
11	MP2A	Z	20.971	7
12	MP2A	Mx	-.019	7
13	MP2A	X	-55.863	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2A	Z	96.758	1.5
15	MP2A	Mx	.101	1.5
16	MP2A	X	-55.863	6.5
17	MP2A	Z	96.758	6.5
18	MP2A	Mx	.101	6.5
19	MP2A	X	-55.863	1.5
20	MP2A	Z	96.758	1.5
21	MP2A	Mx	-.045	1.5
22	MP2A	X	-55.863	6.5
23	MP2A	Z	96.758	6.5
24	MP2A	Mx	-.045	6.5
25	MP1A	X	-41.307	3.5
26	MP1A	Z	71.545	3.5
27	MP1A	Mx	.021	3.5
28	MP1A	X	-41.307	4.5
29	MP1A	Z	71.545	4.5
30	MP1A	Mx	.021	4.5
31	OVP1	X	-68.662	1.5
32	OVP1	Z	118.926	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-35.856	1
35	MP2A	Z	62.104	1
36	MP2A	Mx	-.018	1
37	MP3A	X	-35.226	1
38	MP3A	Z	61.012	1
39	MP3A	Mx	-.018	1
40	MP4A	X	-84.655	1.5
41	MP4A	Z	146.627	1.5
42	MP4A	Mx	.042	1.5
43	MP4A	X	-84.655	6.5
44	MP4A	Z	146.627	6.5
45	MP4A	Mx	.042	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.002	6
2	MP2A	Z	12.126	6
3	MP2A	Mx	-.017	6
4	MP2A	X	-21.002	7
5	MP2A	Z	12.126	7
6	MP2A	Mx	-.017	7
7	MP2A	X	-21.002	6
8	MP2A	Z	12.126	6
9	MP2A	Mx	-.025	6
10	MP2A	X	-21.002	7
11	MP2A	Z	12.126	7
12	MP2A	Mx	-.025	7
13	MP2A	X	-83.769	1.5
14	MP2A	Z	48.364	1.5
15	MP2A	Mx	.078	1.5
16	MP2A	X	-83.769	6.5
17	MP2A	Z	48.364	6.5
18	MP2A	Mx	.078	6.5
19	MP2A	X	-83.769	1.5
20	MP2A	Z	48.364	1.5
21	MP2A	Mx	.006	1.5
22	MP2A	X	-83.769	6.5
23	MP2A	Z	48.364	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.006	6.5
25	MP1A	X	-43.495	3.5
26	MP1A	Z	25.112	3.5
27	MP1A	Mx	.022	3.5
28	MP1A	X	-43.495	4.5
29	MP1A	Z	25.112	4.5
30	MP1A	Mx	.022	4.5
31	OVP1	X	-106.217	1.5
32	OVP1	Z	61.324	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-50.971	1
35	MP2A	Z	29.428	1
36	MP2A	Mx	-.025	1
37	MP3A	X	-47.697	1
38	MP3A	Z	27.538	1
39	MP3A	Mx	-.024	1
40	MP4A	X	-109.387	1.5
41	MP4A	Z	63.155	1.5
42	MP4A	Mx	.055	1.5
43	MP4A	X	-109.387	6.5
44	MP4A	Z	63.155	6.5
45	MP4A	Mx	.055	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-24.269	6
2	MP2A	Z	0	6
3	MP2A	Mx	-.024	6
4	MP2A	X	-24.269	7
5	MP2A	Z	0	7
6	MP2A	Mx	-.024	7
7	MP2A	X	-24.269	6
8	MP2A	Z	0	6
9	MP2A	Mx	-.024	6
10	MP2A	X	-24.269	7
11	MP2A	Z	0	7
12	MP2A	Mx	-.024	7
13	MP2A	X	-89.23	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	.045	1.5
16	MP2A	X	-89.23	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	.045	6.5
19	MP2A	X	-89.23	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.045	1.5
22	MP2A	X	-89.23	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.045	6.5
25	MP1A	X	-34.028	3.5
26	MP1A	Z	0	3.5
27	MP1A	Mx	.017	3.5
28	MP1A	X	-34.028	4.5
29	MP1A	Z	0	4.5
30	MP1A	Mx	.017	4.5
31	OVP1	X	-125.975	1.5
32	OVP1	Z	0	1.5
33	OVP1	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2A	X	-52.429	1
35	MP2A	Z	0	1
36	MP2A	Mx	-.026	1
37	MP3A	X	-47.387	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.024	1
40	MP4A	X	-104.81	1.5
41	MP4A	Z	0	1.5
42	MP4A	Mx	.052	1.5
43	MP4A	X	-104.81	6.5
44	MP4A	Z	0	6.5
45	MP4A	Mx	.052	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.002	6
2	MP2A	Z	-12.126	6
3	MP2A	Mx	-.025	6
4	MP2A	X	-21.002	7
5	MP2A	Z	-12.126	7
6	MP2A	Mx	-.025	7
7	MP2A	X	-21.002	6
8	MP2A	Z	-12.126	6
9	MP2A	Mx	-.017	6
10	MP2A	X	-21.002	7
11	MP2A	Z	-12.126	7
12	MP2A	Mx	-.017	7
13	MP2A	X	-83.769	1.5
14	MP2A	Z	-48.364	1.5
15	MP2A	Mx	.006	1.5
16	MP2A	X	-83.769	6.5
17	MP2A	Z	-48.364	6.5
18	MP2A	Mx	.006	6.5
19	MP2A	X	-83.769	1.5
20	MP2A	Z	-48.364	1.5
21	MP2A	Mx	.078	1.5
22	MP2A	X	-83.769	6.5
23	MP2A	Z	-48.364	6.5
24	MP2A	Mx	.078	6.5
25	MP1A	X	-43.495	3.5
26	MP1A	Z	-25.112	3.5
27	MP1A	Mx	.022	3.5
28	MP1A	X	-43.495	4.5
29	MP1A	Z	-25.112	4.5
30	MP1A	Mx	.022	4.5
31	OVP1	X	-124.687	1.5
32	OVP1	Z	-71.988	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-50.971	1
35	MP2A	Z	-29.428	1
36	MP2A	Mx	-.025	1
37	MP3A	X	-47.697	1
38	MP3A	Z	-27.538	1
39	MP3A	Mx	-.024	1
40	MP4A	X	-109.387	1.5
41	MP4A	Z	-63.155	1.5
42	MP4A	Mx	.055	1.5
43	MP4A	X	-109.387	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4A	Z	-63.155	6.5
45	MP4A	Mx	.055	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.108	6
2	MP2A	Z	-20.971	6
3	MP2A	Mx	-.019	6
4	MP2A	X	-12.108	7
5	MP2A	Z	-20.971	7
6	MP2A	Mx	-.019	7
7	MP2A	X	-12.108	6
8	MP2A	Z	-20.971	6
9	MP2A	Mx	-.005	6
10	MP2A	X	-12.108	7
11	MP2A	Z	-20.971	7
12	MP2A	Mx	-.005	7
13	MP2A	X	-55.863	1.5
14	MP2A	Z	-96.758	1.5
15	MP2A	Mx	-.045	1.5
16	MP2A	X	-55.863	6.5
17	MP2A	Z	-96.758	6.5
18	MP2A	Mx	-.045	6.5
19	MP2A	X	-55.863	1.5
20	MP2A	Z	-96.758	1.5
21	MP2A	Mx	.101	1.5
22	MP2A	X	-55.863	6.5
23	MP2A	Z	-96.758	6.5
24	MP2A	Mx	.101	6.5
25	MP1A	X	-41.307	3.5
26	MP1A	Z	-71.545	3.5
27	MP1A	Mx	.021	3.5
28	MP1A	X	-41.307	4.5
29	MP1A	Z	-71.545	4.5
30	MP1A	Mx	.021	4.5
31	OVP1	X	-79.326	1.5
32	OVP1	Z	-137.396	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-35.856	1
35	MP2A	Z	-62.104	1
36	MP2A	Mx	-.018	1
37	MP3A	X	-35.226	1
38	MP3A	Z	-61.012	1
39	MP3A	Mx	-.018	1
40	MP4A	X	-84.655	1.5
41	MP4A	Z	-146.627	1.5
42	MP4A	Mx	.042	1.5
43	MP4A	X	-84.655	6.5
44	MP4A	Z	-146.627	6.5
45	MP4A	Mx	.042	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	6
2	MP2A	Z	-1.736	6
3	MP2A	Mx	-.000579	6
4	MP2A	X	0	7
5	MP2A	Z	-1.736	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.000579	7
7	MP2A	X	0	6
8	MP2A	Z	-1.736	6
9	MP2A	Mx	.000579	6
10	MP2A	X	0	7
11	MP2A	Z	-1.736	7
12	MP2A	Mx	.000579	7
13	MP2A	X	0	1.5
14	MP2A	Z	-40.167	1.5
15	MP2A	Mx	-.03	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	-40.167	6.5
18	MP2A	Mx	-.03	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-40.167	1.5
21	MP2A	Mx	.03	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-40.167	6.5
24	MP2A	Mx	.03	6.5
25	MP1A	X	0	3.5
26	MP1A	Z	-19.822	3.5
27	MP1A	Mx	0	3.5
28	MP1A	X	0	4.5
29	MP1A	Z	-19.822	4.5
30	MP1A	Mx	0	4.5
31	OVP1	X	0	1.5
32	OVP1	Z	-33.459	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	0	1
35	MP2A	Z	-16.715	1
36	MP2A	Mx	0	1
37	MP3A	X	0	1
38	MP3A	Z	-16.715	1
39	MP3A	Mx	0	1
40	MP4A	X	0	1.5
41	MP4A	Z	-31.284	1.5
42	MP4A	Mx	0	1.5
43	MP4A	X	0	6.5
44	MP4A	Z	-31.284	6.5
45	MP4A	Mx	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.226	6
2	MP2A	Z	-2.123	6
3	MP2A	Mx	.000518	6
4	MP2A	X	1.226	7
5	MP2A	Z	-2.123	7
6	MP2A	Mx	.000518	7
7	MP2A	X	1.226	6
8	MP2A	Z	-2.123	6
9	MP2A	Mx	.002	6
10	MP2A	X	1.226	7
11	MP2A	Z	-2.123	7
12	MP2A	Mx	.002	7
13	MP2A	X	18.861	1.5
14	MP2A	Z	-32.669	1.5
15	MP2A	Mx	-.034	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2A	X	18.861	6.5
17	MP2A	Z	-32.669	6.5
18	MP2A	Mx	-.034	6.5
19	MP2A	X	18.861	1.5
20	MP2A	Z	-32.669	1.5
21	MP2A	Mx	.015	1.5
22	MP2A	X	18.861	6.5
23	MP2A	Z	-32.669	6.5
24	MP2A	Mx	.015	6.5
25	MP1A	X	8.489	3.5
26	MP1A	Z	-14.704	3.5
27	MP1A	Mx	-.004	3.5
28	MP1A	X	8.489	4.5
29	MP1A	Z	-14.704	4.5
30	MP1A	Mx	-.004	4.5
31	OVP1	X	14.973	1.5
32	OVP1	Z	-25.933	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	7.722	1
35	MP2A	Z	-13.375	1
36	MP2A	Mx	.004	1
37	MP3A	X	7.608	1
38	MP3A	Z	-13.177	1
39	MP3A	Mx	.004	1
40	MP4A	X	14.024	1.5
41	MP4A	Z	-24.29	1.5
42	MP4A	Mx	-.007	1.5
43	MP4A	X	14.024	6.5
44	MP4A	Z	-24.29	6.5
45	MP4A	Mx	-.007	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.362	6
2	MP2A	Z	-1.941	6
3	MP2A	Mx	.003	6
4	MP2A	X	3.362	7
5	MP2A	Z	-1.941	7
6	MP2A	Mx	.003	7
7	MP2A	X	3.362	6
8	MP2A	Z	-1.941	6
9	MP2A	Mx	.004	6
10	MP2A	X	3.362	7
11	MP2A	Z	-1.941	7
12	MP2A	Mx	.004	7
13	MP2A	X	28.436	1.5
14	MP2A	Z	-16.418	1.5
15	MP2A	Mx	-.027	1.5
16	MP2A	X	28.436	6.5
17	MP2A	Z	-16.418	6.5
18	MP2A	Mx	-.027	6.5
19	MP2A	X	28.436	1.5
20	MP2A	Z	-16.418	1.5
21	MP2A	Mx	-.002	1.5
22	MP2A	X	28.436	6.5
23	MP2A	Z	-16.418	6.5
24	MP2A	Mx	-.002	6.5
25	MP1A	X	9.78	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP1A	Z	-5.647	3.5
27	MP1A	Mx	-.005	3.5
28	MP1A	X	9.78	4.5
29	MP1A	Z	-5.647	4.5
30	MP1A	Mx	-.005	4.5
31	OVP1	X	23.452	1.5
32	OVP1	Z	-13.54	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	11.174	1
35	MP2A	Z	-6.451	1
36	MP2A	Mx	.006	1
37	MP3A	X	10.58	1
38	MP3A	Z	-6.108	1
39	MP3A	Mx	.005	1
40	MP4A	X	18.684	1.5
41	MP4A	Z	-10.787	1.5
42	MP4A	Mx	-.009	1.5
43	MP4A	X	18.684	6.5
44	MP4A	Z	-10.787	6.5
45	MP4A	Mx	-.009	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.597	6
2	MP2A	Z	0	6
3	MP2A	Mx	.005	6
4	MP2A	X	4.597	7
5	MP2A	Z	0	7
6	MP2A	Mx	.005	7
7	MP2A	X	4.597	6
8	MP2A	Z	0	6
9	MP2A	Mx	.005	6
10	MP2A	X	4.597	7
11	MP2A	Z	0	7
12	MP2A	Mx	.005	7
13	MP2A	X	30.392	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	-.015	1.5
16	MP2A	X	30.392	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	-.015	6.5
19	MP2A	X	30.392	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.015	1.5
22	MP2A	X	30.392	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.015	6.5
25	MP1A	X	8.451	3.5
26	MP1A	Z	0	3.5
27	MP1A	Mx	-.004	3.5
28	MP1A	X	8.451	4.5
29	MP1A	Z	0	4.5
30	MP1A	Mx	-.004	4.5
31	OVP1	X	27.73	1.5
32	OVP1	Z	0	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	11.632	1
35	MP2A	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2A	Mx	.006	1
37	MP3A	X	10.717	1
38	MP3A	Z	0	1
39	MP3A	Mx	.005	1
40	MP4A	X	18.337	1.5
41	MP4A	Z	0	1.5
42	MP4A	Mx	-.009	1.5
43	MP4A	X	18.337	6.5
44	MP4A	Z	0	6.5
45	MP4A	Mx	-.009	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.362	6
2	MP2A	Z	1.941	6
3	MP2A	Mx	.004	6
4	MP2A	X	3.362	7
5	MP2A	Z	1.941	7
6	MP2A	Mx	.004	7
7	MP2A	X	3.362	6
8	MP2A	Z	1.941	6
9	MP2A	Mx	.003	6
10	MP2A	X	3.362	7
11	MP2A	Z	1.941	7
12	MP2A	Mx	.003	7
13	MP2A	X	28.436	1.5
14	MP2A	Z	16.418	1.5
15	MP2A	Mx	-.002	1.5
16	MP2A	X	28.436	6.5
17	MP2A	Z	16.418	6.5
18	MP2A	Mx	-.002	6.5
19	MP2A	X	28.436	1.5
20	MP2A	Z	16.418	1.5
21	MP2A	Mx	-.027	1.5
22	MP2A	X	28.436	6.5
23	MP2A	Z	16.418	6.5
24	MP2A	Mx	-.027	6.5
25	MP1A	X	9.78	3.5
26	MP1A	Z	5.647	3.5
27	MP1A	Mx	-.005	3.5
28	MP1A	X	9.78	4.5
29	MP1A	Z	5.647	4.5
30	MP1A	Mx	-.005	4.5
31	OVP1	X	27.058	1.5
32	OVP1	Z	15.622	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	11.174	1
35	MP2A	Z	6.451	1
36	MP2A	Mx	.006	1
37	MP3A	X	10.58	1
38	MP3A	Z	6.108	1
39	MP3A	Mx	.005	1
40	MP4A	X	18.684	1.5
41	MP4A	Z	10.787	1.5
42	MP4A	Mx	-.009	1.5
43	MP4A	X	18.684	6.5
44	MP4A	Z	10.787	6.5
45	MP4A	Mx	-.009	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.226	6
2	MP2A	Z	2.123	6
3	MP2A	Mx	.002	6
4	MP2A	X	1.226	7
5	MP2A	Z	2.123	7
6	MP2A	Mx	.002	7
7	MP2A	X	1.226	6
8	MP2A	Z	2.123	6
9	MP2A	Mx	.000518	6
10	MP2A	X	1.226	7
11	MP2A	Z	2.123	7
12	MP2A	Mx	.000518	7
13	MP2A	X	18.861	1.5
14	MP2A	Z	32.669	1.5
15	MP2A	Mx	.015	1.5
16	MP2A	X	18.861	6.5
17	MP2A	Z	32.669	6.5
18	MP2A	Mx	.015	6.5
19	MP2A	X	18.861	1.5
20	MP2A	Z	32.669	1.5
21	MP2A	Mx	-.034	1.5
22	MP2A	X	18.861	6.5
23	MP2A	Z	32.669	6.5
24	MP2A	Mx	-.034	6.5
25	MP1A	X	8.489	3.5
26	MP1A	Z	14.704	3.5
27	MP1A	Mx	-.004	3.5
28	MP1A	X	8.489	4.5
29	MP1A	Z	14.704	4.5
30	MP1A	Mx	-.004	4.5
31	OVP1	X	17.054	1.5
32	OVP1	Z	29.539	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	7.722	1
35	MP2A	Z	13.375	1
36	MP2A	Mx	.004	1
37	MP3A	X	7.608	1
38	MP3A	Z	13.177	1
39	MP3A	Mx	.004	1
40	MP4A	X	14.024	1.5
41	MP4A	Z	24.29	1.5
42	MP4A	Mx	-.007	1.5
43	MP4A	X	14.024	6.5
44	MP4A	Z	24.29	6.5
45	MP4A	Mx	-.007	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	6
2	MP2A	Z	1.736	6
3	MP2A	Mx	.000579	6
4	MP2A	X	0	7
5	MP2A	Z	1.736	7
6	MP2A	Mx	.000579	7
7	MP2A	X	0	6
8	MP2A	Z	1.736	6
9	MP2A	Mx	-.000579	6
10	MP2A	X	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	1.736	7
12	MP2A	Mx	-.000579	7
13	MP2A	X	0	1.5
14	MP2A	Z	40.167	1.5
15	MP2A	Mx	.03	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	40.167	6.5
18	MP2A	Mx	.03	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	40.167	1.5
21	MP2A	Mx	-.03	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	40.167	6.5
24	MP2A	Mx	-.03	6.5
25	MP1A	X	0	3.5
26	MP1A	Z	19.822	3.5
27	MP1A	Mx	0	3.5
28	MP1A	X	0	4.5
29	MP1A	Z	19.822	4.5
30	MP1A	Mx	0	4.5
31	OVP1	X	0	1.5
32	OVP1	Z	33.459	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	0	1
35	MP2A	Z	16.715	1
36	MP2A	Mx	0	1
37	MP3A	X	0	1
38	MP3A	Z	16.715	1
39	MP3A	Mx	0	1
40	MP4A	X	0	1.5
41	MP4A	Z	31.284	1.5
42	MP4A	Mx	0	1.5
43	MP4A	X	0	6.5
44	MP4A	Z	31.284	6.5
45	MP4A	Mx	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.226	6
2	MP2A	Z	2.123	6
3	MP2A	Mx	-.000518	6
4	MP2A	X	-1.226	7
5	MP2A	Z	2.123	7
6	MP2A	Mx	-.000518	7
7	MP2A	X	-1.226	6
8	MP2A	Z	2.123	6
9	MP2A	Mx	-.002	6
10	MP2A	X	-1.226	7
11	MP2A	Z	2.123	7
12	MP2A	Mx	-.002	7
13	MP2A	X	-18.861	1.5
14	MP2A	Z	32.669	1.5
15	MP2A	Mx	.034	1.5
16	MP2A	X	-18.861	6.5
17	MP2A	Z	32.669	6.5
18	MP2A	Mx	.034	6.5
19	MP2A	X	-18.861	1.5
20	MP2A	Z	32.669	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.015	1.5
22	MP2A	X	-18.861	6.5
23	MP2A	Z	32.669	6.5
24	MP2A	Mx	-.015	6.5
25	MP1A	X	-8.489	3.5
26	MP1A	Z	14.704	3.5
27	MP1A	Mx	.004	3.5
28	MP1A	X	-8.489	4.5
29	MP1A	Z	14.704	4.5
30	MP1A	Mx	.004	4.5
31	OVP1	X	-14.973	1.5
32	OVP1	Z	25.933	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-7.722	1
35	MP2A	Z	13.375	1
36	MP2A	Mx	-.004	1
37	MP3A	X	-7.608	1
38	MP3A	Z	13.177	1
39	MP3A	Mx	-.004	1
40	MP4A	X	-14.024	1.5
41	MP4A	Z	24.29	1.5
42	MP4A	Mx	.007	1.5
43	MP4A	X	-14.024	6.5
44	MP4A	Z	24.29	6.5
45	MP4A	Mx	.007	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.362	6
2	MP2A	Z	1.941	6
3	MP2A	Mx	-.003	6
4	MP2A	X	-3.362	7
5	MP2A	Z	1.941	7
6	MP2A	Mx	-.003	7
7	MP2A	X	-3.362	6
8	MP2A	Z	1.941	6
9	MP2A	Mx	-.004	6
10	MP2A	X	-3.362	7
11	MP2A	Z	1.941	7
12	MP2A	Mx	-.004	7
13	MP2A	X	-28.436	1.5
14	MP2A	Z	16.418	1.5
15	MP2A	Mx	.027	1.5
16	MP2A	X	-28.436	6.5
17	MP2A	Z	16.418	6.5
18	MP2A	Mx	.027	6.5
19	MP2A	X	-28.436	1.5
20	MP2A	Z	16.418	1.5
21	MP2A	Mx	.002	1.5
22	MP2A	X	-28.436	6.5
23	MP2A	Z	16.418	6.5
24	MP2A	Mx	.002	6.5
25	MP1A	X	-9.78	3.5
26	MP1A	Z	5.647	3.5
27	MP1A	Mx	.005	3.5
28	MP1A	X	-9.78	4.5
29	MP1A	Z	5.647	4.5
30	MP1A	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	OVP1	X	-23.452	1.5
32	OVP1	Z	13.54	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-11.174	1
35	MP2A	Z	6.451	1
36	MP2A	Mx	-.006	1
37	MP3A	X	-10.58	1
38	MP3A	Z	6.108	1
39	MP3A	Mx	-.005	1
40	MP4A	X	-18.684	1.5
41	MP4A	Z	10.787	1.5
42	MP4A	Mx	.009	1.5
43	MP4A	X	-18.684	6.5
44	MP4A	Z	10.787	6.5
45	MP4A	Mx	.009	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.597	6
2	MP2A	Z	0	6
3	MP2A	Mx	-.005	6
4	MP2A	X	-4.597	7
5	MP2A	Z	0	7
6	MP2A	Mx	-.005	7
7	MP2A	X	-4.597	6
8	MP2A	Z	0	6
9	MP2A	Mx	-.005	6
10	MP2A	X	-4.597	7
11	MP2A	Z	0	7
12	MP2A	Mx	-.005	7
13	MP2A	X	-30.392	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	.015	1.5
16	MP2A	X	-30.392	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	.015	6.5
19	MP2A	X	-30.392	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.015	1.5
22	MP2A	X	-30.392	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.015	6.5
25	MP1A	X	-8.451	3.5
26	MP1A	Z	0	3.5
27	MP1A	Mx	.004	3.5
28	MP1A	X	-8.451	4.5
29	MP1A	Z	0	4.5
30	MP1A	Mx	.004	4.5
31	OVP1	X	-27.73	1.5
32	OVP1	Z	0	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-11.632	1
35	MP2A	Z	0	1
36	MP2A	Mx	-.006	1
37	MP3A	X	-10.717	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.005	1
40	MP4A	X	-18.337	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	0	1.5
42	MP4A	Mx	.009	1.5
43	MP4A	X	-18.337	6.5
44	MP4A	Z	0	6.5
45	MP4A	Mx	.009	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.362	6
2	MP2A	Z	-1.941	6
3	MP2A	Mx	-.004	6
4	MP2A	X	-3.362	7
5	MP2A	Z	-1.941	7
6	MP2A	Mx	-.004	7
7	MP2A	X	-3.362	6
8	MP2A	Z	-1.941	6
9	MP2A	Mx	-.003	6
10	MP2A	X	-3.362	7
11	MP2A	Z	-1.941	7
12	MP2A	Mx	-.003	7
13	MP2A	X	-28.436	1.5
14	MP2A	Z	-16.418	1.5
15	MP2A	Mx	.002	1.5
16	MP2A	X	-28.436	6.5
17	MP2A	Z	-16.418	6.5
18	MP2A	Mx	.002	6.5
19	MP2A	X	-28.436	1.5
20	MP2A	Z	-16.418	1.5
21	MP2A	Mx	.027	1.5
22	MP2A	X	-28.436	6.5
23	MP2A	Z	-16.418	6.5
24	MP2A	Mx	.027	6.5
25	MP1A	X	-9.78	3.5
26	MP1A	Z	-5.647	3.5
27	MP1A	Mx	.005	3.5
28	MP1A	X	-9.78	4.5
29	MP1A	Z	-5.647	4.5
30	MP1A	Mx	.005	4.5
31	OVP1	X	-27.058	1.5
32	OVP1	Z	-15.622	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-11.174	1
35	MP2A	Z	-6.451	1
36	MP2A	Mx	-.006	1
37	MP3A	X	-10.58	1
38	MP3A	Z	-6.108	1
39	MP3A	Mx	-.005	1
40	MP4A	X	-18.684	1.5
41	MP4A	Z	-10.787	1.5
42	MP4A	Mx	.009	1.5
43	MP4A	X	-18.684	6.5
44	MP4A	Z	-10.787	6.5
45	MP4A	Mx	.009	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.226	6
2	MP2A	Z	-2.123	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.002	6
4	MP2A	X	-1.226	7
5	MP2A	Z	-2.123	7
6	MP2A	Mx	-.002	7
7	MP2A	X	-1.226	6
8	MP2A	Z	-2.123	6
9	MP2A	Mx	-.000518	6
10	MP2A	X	-1.226	7
11	MP2A	Z	-2.123	7
12	MP2A	Mx	-.000518	7
13	MP2A	X	-18.861	1.5
14	MP2A	Z	-32.669	1.5
15	MP2A	Mx	-.015	1.5
16	MP2A	X	-18.861	6.5
17	MP2A	Z	-32.669	6.5
18	MP2A	Mx	-.015	6.5
19	MP2A	X	-18.861	1.5
20	MP2A	Z	-32.669	1.5
21	MP2A	Mx	.034	1.5
22	MP2A	X	-18.861	6.5
23	MP2A	Z	-32.669	6.5
24	MP2A	Mx	.034	6.5
25	MP1A	X	-8.489	3.5
26	MP1A	Z	-14.704	3.5
27	MP1A	Mx	.004	3.5
28	MP1A	X	-8.489	4.5
29	MP1A	Z	-14.704	4.5
30	MP1A	Mx	.004	4.5
31	OVP1	X	-17.054	1.5
32	OVP1	Z	-29.539	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-7.722	1
35	MP2A	Z	-13.375	1
36	MP2A	Mx	-.004	1
37	MP3A	X	-7.608	1
38	MP3A	Z	-13.177	1
39	MP3A	Mx	-.004	1
40	MP4A	X	-14.024	1.5
41	MP4A	Z	-24.29	1.5
42	MP4A	Mx	.007	1.5
43	MP4A	X	-14.024	6.5
44	MP4A	Z	-24.29	6.5
45	MP4A	Mx	.007	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	6
2	MP2A	Z	-1.289	6
3	MP2A	Mx	-.00043	6
4	MP2A	X	0	7
5	MP2A	Z	-1.289	7
6	MP2A	Mx	-.00043	7
7	MP2A	X	0	6
8	MP2A	Z	-1.289	6
9	MP2A	Mx	.00043	6
10	MP2A	X	0	7
11	MP2A	Z	-1.289	7
12	MP2A	Mx	.00043	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2A	X	0	1.5
14	MP2A	Z	-6.349	1.5
15	MP2A	Mx	-.005	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	-6.349	6.5
18	MP2A	Mx	-.005	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-6.349	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-6.349	6.5
24	MP2A	Mx	.005	6.5
25	MP1A	X	0	3.5
26	MP1A	Z	-5.262	3.5
27	MP1A	Mx	0	3.5
28	MP1A	X	0	4.5
29	MP1A	Z	-5.262	4.5
30	MP1A	Mx	0	4.5
31	OVP1	X	0	1.5
32	OVP1	Z	-8.272	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	0	1
35	MP2A	Z	-4.161	1
36	MP2A	Mx	0	1
37	MP3A	X	0	1
38	MP3A	Z	-4.161	1
39	MP3A	Mx	0	1
40	MP4A	X	0	1.5
41	MP4A	Z	-10.161	1.5
42	MP4A	Mx	0	1.5
43	MP4A	X	0	6.5
44	MP4A	Z	-10.161	6.5
45	MP4A	Mx	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.645	6
2	MP2A	Z	-1.117	6
3	MP2A	Mx	.000273	6
4	MP2A	X	.645	7
5	MP2A	Z	-1.117	7
6	MP2A	Mx	.000273	7
7	MP2A	X	.645	6
8	MP2A	Z	-1.117	6
9	MP2A	Mx	.001	6
10	MP2A	X	.645	7
11	MP2A	Z	-1.117	7
12	MP2A	Mx	.001	7
13	MP2A	X	2.975	1.5
14	MP2A	Z	-5.153	1.5
15	MP2A	Mx	-.005	1.5
16	MP2A	X	2.975	6.5
17	MP2A	Z	-5.153	6.5
18	MP2A	Mx	-.005	6.5
19	MP2A	X	2.975	1.5
20	MP2A	Z	-5.153	1.5
21	MP2A	Mx	.002	1.5
22	MP2A	X	2.975	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-5.153	6.5
24	MP2A	Mx	.002	6.5
25	MP1A	X	2.2	3.5
26	MP1A	Z	-3.81	3.5
27	MP1A	Mx	-.001	3.5
28	MP1A	X	2.2	4.5
29	MP1A	Z	-3.81	4.5
30	MP1A	Mx	-.001	4.5
31	OVP1	X	3.657	1.5
32	OVP1	Z	-6.333	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	1.909	1
35	MP2A	Z	-3.307	1
36	MP2A	Mx	.000954	1
37	MP3A	X	1.876	1
38	MP3A	Z	-3.249	1
39	MP3A	Mx	.000938	1
40	MP4A	X	4.508	1.5
41	MP4A	Z	-7.809	1.5
42	MP4A	Mx	-.002	1.5
43	MP4A	X	4.508	6.5
44	MP4A	Z	-7.809	6.5
45	MP4A	Mx	-.002	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.118	6
2	MP2A	Z	-.646	6
3	MP2A	Mx	.000903	6
4	MP2A	X	1.118	7
5	MP2A	Z	-.646	7
6	MP2A	Mx	.000903	7
7	MP2A	X	1.118	6
8	MP2A	Z	-.646	6
9	MP2A	Mx	.001	6
10	MP2A	X	1.118	7
11	MP2A	Z	-.646	7
12	MP2A	Mx	.001	7
13	MP2A	X	4.461	1.5
14	MP2A	Z	-2.576	1.5
15	MP2A	Mx	-.004	1.5
16	MP2A	X	4.461	6.5
17	MP2A	Z	-2.576	6.5
18	MP2A	Mx	-.004	6.5
19	MP2A	X	4.461	1.5
20	MP2A	Z	-2.576	1.5
21	MP2A	Mx	-.000299	1.5
22	MP2A	X	4.461	6.5
23	MP2A	Z	-2.576	6.5
24	MP2A	Mx	-.000299	6.5
25	MP1A	X	2.316	3.5
26	MP1A	Z	-1.337	3.5
27	MP1A	Mx	-.001	3.5
28	MP1A	X	2.316	4.5
29	MP1A	Z	-1.337	4.5
30	MP1A	Mx	-.001	4.5
31	OVP1	X	5.657	1.5
32	OVP1	Z	-3.266	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	OVP1	Mx	0	1.5
34	MP2A	X	2.714	1
35	MP2A	Z	-1.567	1
36	MP2A	Mx	.001	1
37	MP3A	X	2.54	1
38	MP3A	Z	-1.467	1
39	MP3A	Mx	.001	1
40	MP4A	X	5.825	1.5
41	MP4A	Z	-3.363	1.5
42	MP4A	Mx	-.003	1.5
43	MP4A	X	5.825	6.5
44	MP4A	Z	-3.363	6.5
45	MP4A	Mx	-.003	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.292	6
2	MP2A	Z	0	6
3	MP2A	Mx	.001	6
4	MP2A	X	1.292	7
5	MP2A	Z	0	7
6	MP2A	Mx	.001	7
7	MP2A	X	1.292	6
8	MP2A	Z	0	6
9	MP2A	Mx	.001	6
10	MP2A	X	1.292	7
11	MP2A	Z	0	7
12	MP2A	Mx	.001	7
13	MP2A	X	4.752	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	-.002	1.5
16	MP2A	X	4.752	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	-.002	6.5
19	MP2A	X	4.752	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.002	1.5
22	MP2A	X	4.752	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.002	6.5
25	MP1A	X	1.812	3.5
26	MP1A	Z	0	3.5
27	MP1A	Mx	-.000906	3.5
28	MP1A	X	1.812	4.5
29	MP1A	Z	0	4.5
30	MP1A	Mx	-.000906	4.5
31	OVP1	X	6.709	1.5
32	OVP1	Z	0	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	2.792	1
35	MP2A	Z	0	1
36	MP2A	Mx	.001	1
37	MP3A	X	2.524	1
38	MP3A	Z	0	1
39	MP3A	Mx	.001	1
40	MP4A	X	5.582	1.5
41	MP4A	Z	0	1.5
42	MP4A	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP4A	X	5.582	6.5
44	MP4A	Z	0	6.5
45	MP4A	Mx	-.003	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.118	6
2	MP2A	Z	.646	6
3	MP2A	Mx	.001	6
4	MP2A	X	1.118	7
5	MP2A	Z	.646	7
6	MP2A	Mx	.001	7
7	MP2A	X	1.118	6
8	MP2A	Z	.646	6
9	MP2A	Mx	.000903	6
10	MP2A	X	1.118	7
11	MP2A	Z	.646	7
12	MP2A	Mx	.000903	7
13	MP2A	X	4.461	1.5
14	MP2A	Z	2.576	1.5
15	MP2A	Mx	-.000299	1.5
16	MP2A	X	4.461	6.5
17	MP2A	Z	2.576	6.5
18	MP2A	Mx	-.000299	6.5
19	MP2A	X	4.461	1.5
20	MP2A	Z	2.576	1.5
21	MP2A	Mx	-.004	1.5
22	MP2A	X	4.461	6.5
23	MP2A	Z	2.576	6.5
24	MP2A	Mx	-.004	6.5
25	MP1A	X	2.316	3.5
26	MP1A	Z	1.337	3.5
27	MP1A	Mx	-.001	3.5
28	MP1A	X	2.316	4.5
29	MP1A	Z	1.337	4.5
30	MP1A	Mx	-.001	4.5
31	OVP1	X	6.64	1.5
32	OVP1	Z	3.834	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	2.714	1
35	MP2A	Z	1.567	1
36	MP2A	Mx	.001	1
37	MP3A	X	2.54	1
38	MP3A	Z	1.467	1
39	MP3A	Mx	.001	1
40	MP4A	X	5.825	1.5
41	MP4A	Z	3.363	1.5
42	MP4A	Mx	-.003	1.5
43	MP4A	X	5.825	6.5
44	MP4A	Z	3.363	6.5
45	MP4A	Mx	-.003	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.645	6
2	MP2A	Z	1.117	6
3	MP2A	Mx	.001	6
4	MP2A	X	.645	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	1.117	7
6	MP2A	Mx	.001	7
7	MP2A	X	.645	6
8	MP2A	Z	1.117	6
9	MP2A	Mx	.000273	6
10	MP2A	X	.645	7
11	MP2A	Z	1.117	7
12	MP2A	Mx	.000273	7
13	MP2A	X	2.975	1.5
14	MP2A	Z	5.153	1.5
15	MP2A	Mx	.002	1.5
16	MP2A	X	2.975	6.5
17	MP2A	Z	5.153	6.5
18	MP2A	Mx	.002	6.5
19	MP2A	X	2.975	1.5
20	MP2A	Z	5.153	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	2.975	6.5
23	MP2A	Z	5.153	6.5
24	MP2A	Mx	-.005	6.5
25	MP1A	X	2.2	3.5
26	MP1A	Z	3.81	3.5
27	MP1A	Mx	-.001	3.5
28	MP1A	X	2.2	4.5
29	MP1A	Z	3.81	4.5
30	MP1A	Mx	-.001	4.5
31	OVP1	X	4.224	1.5
32	OVP1	Z	7.317	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	1.909	1
35	MP2A	Z	3.307	1
36	MP2A	Mx	.000954	1
37	MP3A	X	1.876	1
38	MP3A	Z	3.249	1
39	MP3A	Mx	.000938	1
40	MP4A	X	4.508	1.5
41	MP4A	Z	7.809	1.5
42	MP4A	Mx	-.002	1.5
43	MP4A	X	4.508	6.5
44	MP4A	Z	7.809	6.5
45	MP4A	Mx	-.002	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	6
2	MP2A	Z	1.289	6
3	MP2A	Mx	.00043	6
4	MP2A	X	0	7
5	MP2A	Z	1.289	7
6	MP2A	Mx	.00043	7
7	MP2A	X	0	6
8	MP2A	Z	1.289	6
9	MP2A	Mx	-.00043	6
10	MP2A	X	0	7
11	MP2A	Z	1.289	7
12	MP2A	Mx	-.00043	7
13	MP2A	X	0	1.5
14	MP2A	Z	6.349	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2A	Mx	.005	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	6.349	6.5
18	MP2A	Mx	.005	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	6.349	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	6.349	6.5
24	MP2A	Mx	-.005	6.5
25	MP1A	X	0	3.5
26	MP1A	Z	5.262	3.5
27	MP1A	Mx	0	3.5
28	MP1A	X	0	4.5
29	MP1A	Z	5.262	4.5
30	MP1A	Mx	0	4.5
31	OVP1	X	0	1.5
32	OVP1	Z	8.272	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	0	1
35	MP2A	Z	4.161	1
36	MP2A	Mx	0	1
37	MP3A	X	0	1
38	MP3A	Z	4.161	1
39	MP3A	Mx	0	1
40	MP4A	X	0	1.5
41	MP4A	Z	10.161	1.5
42	MP4A	Mx	0	1.5
43	MP4A	X	0	6.5
44	MP4A	Z	10.161	6.5
45	MP4A	Mx	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.645	6
2	MP2A	Z	1.117	6
3	MP2A	Mx	-.000273	6
4	MP2A	X	-.645	7
5	MP2A	Z	1.117	7
6	MP2A	Mx	-.000273	7
7	MP2A	X	-.645	6
8	MP2A	Z	1.117	6
9	MP2A	Mx	-.001	6
10	MP2A	X	-.645	7
11	MP2A	Z	1.117	7
12	MP2A	Mx	-.001	7
13	MP2A	X	-2.975	1.5
14	MP2A	Z	5.153	1.5
15	MP2A	Mx	.005	1.5
16	MP2A	X	-2.975	6.5
17	MP2A	Z	5.153	6.5
18	MP2A	Mx	.005	6.5
19	MP2A	X	-2.975	1.5
20	MP2A	Z	5.153	1.5
21	MP2A	Mx	-.002	1.5
22	MP2A	X	-2.975	6.5
23	MP2A	Z	5.153	6.5
24	MP2A	Mx	-.002	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1A	X	-2.2	3.5
26	MP1A	Z	3.81	3.5
27	MP1A	Mx	.001	3.5
28	MP1A	X	-2.2	4.5
29	MP1A	Z	3.81	4.5
30	MP1A	Mx	.001	4.5
31	OVP1	X	-3.657	1.5
32	OVP1	Z	6.333	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-1.909	1
35	MP2A	Z	3.307	1
36	MP2A	Mx	-.000954	1
37	MP3A	X	-1.876	1
38	MP3A	Z	3.249	1
39	MP3A	Mx	-.000938	1
40	MP4A	X	-4.508	1.5
41	MP4A	Z	7.809	1.5
42	MP4A	Mx	.002	1.5
43	MP4A	X	-4.508	6.5
44	MP4A	Z	7.809	6.5
45	MP4A	Mx	.002	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.118	6
2	MP2A	Z	.646	6
3	MP2A	Mx	-.000903	6
4	MP2A	X	-1.118	7
5	MP2A	Z	.646	7
6	MP2A	Mx	-.000903	7
7	MP2A	X	-1.118	6
8	MP2A	Z	.646	6
9	MP2A	Mx	-.001	6
10	MP2A	X	-1.118	7
11	MP2A	Z	.646	7
12	MP2A	Mx	-.001	7
13	MP2A	X	-4.461	1.5
14	MP2A	Z	2.576	1.5
15	MP2A	Mx	.004	1.5
16	MP2A	X	-4.461	6.5
17	MP2A	Z	2.576	6.5
18	MP2A	Mx	.004	6.5
19	MP2A	X	-4.461	1.5
20	MP2A	Z	2.576	1.5
21	MP2A	Mx	.000299	1.5
22	MP2A	X	-4.461	6.5
23	MP2A	Z	2.576	6.5
24	MP2A	Mx	.000299	6.5
25	MP1A	X	-2.316	3.5
26	MP1A	Z	1.337	3.5
27	MP1A	Mx	.001	3.5
28	MP1A	X	-2.316	4.5
29	MP1A	Z	1.337	4.5
30	MP1A	Mx	.001	4.5
31	OVP1	X	-5.657	1.5
32	OVP1	Z	3.266	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-2.714	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2A	Z	1.567	1
36	MP2A	Mx	-.001	1
37	MP3A	X	-2.54	1
38	MP3A	Z	1.467	1
39	MP3A	Mx	-.001	1
40	MP4A	X	-5.825	1.5
41	MP4A	Z	3.363	1.5
42	MP4A	Mx	.003	1.5
43	MP4A	X	-5.825	6.5
44	MP4A	Z	3.363	6.5
45	MP4A	Mx	.003	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.292	6
2	MP2A	Z	0	6
3	MP2A	Mx	-.001	6
4	MP2A	X	-1.292	7
5	MP2A	Z	0	7
6	MP2A	Mx	-.001	7
7	MP2A	X	-1.292	6
8	MP2A	Z	0	6
9	MP2A	Mx	-.001	6
10	MP2A	X	-1.292	7
11	MP2A	Z	0	7
12	MP2A	Mx	-.001	7
13	MP2A	X	-4.752	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	.002	1.5
16	MP2A	X	-4.752	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	.002	6.5
19	MP2A	X	-4.752	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.002	1.5
22	MP2A	X	-4.752	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.002	6.5
25	MP1A	X	-1.812	3.5
26	MP1A	Z	0	3.5
27	MP1A	Mx	.000906	3.5
28	MP1A	X	-1.812	4.5
29	MP1A	Z	0	4.5
30	MP1A	Mx	.000906	4.5
31	OVP1	X	-6.709	1.5
32	OVP1	Z	0	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-2.792	1
35	MP2A	Z	0	1
36	MP2A	Mx	-.001	1
37	MP3A	X	-2.524	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.001	1
40	MP4A	X	-5.582	1.5
41	MP4A	Z	0	1.5
42	MP4A	Mx	.003	1.5
43	MP4A	X	-5.582	6.5
44	MP4A	Z	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4A	Mx	.003	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.118	6
2	MP2A	Z	-.646	6
3	MP2A	Mx	-.001	6
4	MP2A	X	-1.118	7
5	MP2A	Z	-.646	7
6	MP2A	Mx	-.001	7
7	MP2A	X	-1.118	6
8	MP2A	Z	-.646	6
9	MP2A	Mx	-.000903	6
10	MP2A	X	-1.118	7
11	MP2A	Z	-.646	7
12	MP2A	Mx	-.000903	7
13	MP2A	X	-4.461	1.5
14	MP2A	Z	-2.576	1.5
15	MP2A	Mx	.000299	1.5
16	MP2A	X	-4.461	6.5
17	MP2A	Z	-2.576	6.5
18	MP2A	Mx	.000299	6.5
19	MP2A	X	-4.461	1.5
20	MP2A	Z	-2.576	1.5
21	MP2A	Mx	.004	1.5
22	MP2A	X	-4.461	6.5
23	MP2A	Z	-2.576	6.5
24	MP2A	Mx	.004	6.5
25	MP1A	X	-2.316	3.5
26	MP1A	Z	-1.337	3.5
27	MP1A	Mx	.001	3.5
28	MP1A	X	-2.316	4.5
29	MP1A	Z	-1.337	4.5
30	MP1A	Mx	.001	4.5
31	OVP1	X	-6.64	1.5
32	OVP1	Z	-3.834	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-2.714	1
35	MP2A	Z	-1.567	1
36	MP2A	Mx	-.001	1
37	MP3A	X	-2.54	1
38	MP3A	Z	-1.467	1
39	MP3A	Mx	-.001	1
40	MP4A	X	-5.825	1.5
41	MP4A	Z	-3.363	1.5
42	MP4A	Mx	.003	1.5
43	MP4A	X	-5.825	6.5
44	MP4A	Z	-3.363	6.5
45	MP4A	Mx	.003	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.645	6
2	MP2A	Z	-1.117	6
3	MP2A	Mx	-.001	6
4	MP2A	X	-.645	7
5	MP2A	Z	-1.117	7
6	MP2A	Mx	-.001	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2A	X	-.645	6
8	MP2A	Z	-1.117	6
9	MP2A	Mx	-.000273	6
10	MP2A	X	-.645	7
11	MP2A	Z	-1.117	7
12	MP2A	Mx	-.000273	7
13	MP2A	X	-2.975	1.5
14	MP2A	Z	-5.153	1.5
15	MP2A	Mx	-.002	1.5
16	MP2A	X	-2.975	6.5
17	MP2A	Z	-5.153	6.5
18	MP2A	Mx	-.002	6.5
19	MP2A	X	-2.975	1.5
20	MP2A	Z	-5.153	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	-2.975	6.5
23	MP2A	Z	-5.153	6.5
24	MP2A	Mx	.005	6.5
25	MP1A	X	-2.2	3.5
26	MP1A	Z	-3.81	3.5
27	MP1A	Mx	.001	3.5
28	MP1A	X	-2.2	4.5
29	MP1A	Z	-3.81	4.5
30	MP1A	Mx	.001	4.5
31	OVP1	X	-4.224	1.5
32	OVP1	Z	-7.317	1.5
33	OVP1	Mx	0	1.5
34	MP2A	X	-1.909	1
35	MP2A	Z	-3.307	1
36	MP2A	Mx	-.000954	1
37	MP3A	X	-1.876	1
38	MP3A	Z	-3.249	1
39	MP3A	Mx	-.000938	1
40	MP4A	X	-4.508	1.5
41	MP4A	Z	-7.809	1.5
42	MP4A	Mx	.002	1.5
43	MP4A	X	-4.508	6.5
44	MP4A	Z	-7.809	6.5
45	MP4A	Mx	.002	6.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%65

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%98

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-.353	6
2	MP2A	My	.000353	6
3	MP2A	Mz	.000118	6
4	MP2A	Y	-.353	7
5	MP2A	My	.000353	7
6	MP2A	Mz	.000118	7
7	MP2A	Y	-.353	6
8	MP2A	My	.000353	6
9	MP2A	Mz	-.000118	6
10	MP2A	Y	-.353	7
11	MP2A	My	.000353	7
12	MP2A	Mz	-.000118	7
13	MP2A	Y	-.922	1.5
14	MP2A	My	-.000461	1.5
15	MP2A	Mz	.000692	1.5
16	MP2A	Y	-.922	6.5
17	MP2A	My	-.000461	6.5
18	MP2A	Mz	.000692	6.5
19	MP2A	Y	-.922	1.5
20	MP2A	My	-.000461	1.5
21	MP2A	Mz	-.000692	1.5
22	MP2A	Y	-.922	6.5
23	MP2A	My	-.000461	6.5
24	MP2A	Mz	-.000692	6.5
25	MP1A	Y	-1.747	3.5
26	MP1A	My	-.000873	3.5
27	MP1A	Mz	0	3.5
28	MP1A	Y	-1.747	4.5
29	MP1A	My	-.000873	4.5
30	MP1A	Mz	0	4.5
31	OVP1	Y	-1.283	1.5
32	OVP1	My	0	1.5
33	OVP1	Mz	0	1.5
34	MP2A	Y	-2.996	1
35	MP2A	My	.001	1
36	MP2A	Mz	0	1
37	MP3A	Y	-2.819	1
38	MP3A	My	.001	1
39	MP3A	Mz	0	1
40	MP4A	Y	-.341	1.5
41	MP4A	My	-.00017	1.5
42	MP4A	Mz	0	1.5
43	MP4A	Y	-.341	6.5
44	MP4A	My	-.00017	6.5
45	MP4A	Mz	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-.882	6
2	MP2A	Mx	-.000294	6
3	MP2A	Z	-.882	7
4	MP2A	Mx	-.000294	7
5	MP2A	Z	-.882	6
6	MP2A	Mx	.000294	6
7	MP2A	Z	-.882	7
8	MP2A	Mx	.000294	7
9	MP2A	Z	-2.306	1.5
10	MP2A	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	-2.306	6.5
12	MP2A	Mx	-.002	6.5
13	MP2A	Z	-2.306	1.5
14	MP2A	Mx	.002	1.5
15	MP2A	Z	-2.306	6.5
16	MP2A	Mx	.002	6.5
17	MP1A	Z	-4.367	3.5
18	MP1A	Mx	0	3.5
19	MP1A	Z	-4.367	4.5
20	MP1A	Mx	0	4.5
21	OVP1	Z	-3.209	1.5
22	OVP1	Mx	0	1.5
23	MP2A	Z	-7.49	1
24	MP2A	Mx	0	1
25	MP3A	Z	-7.049	1
26	MP3A	Mx	0	1
27	MP4A	Z	-.852	1.5
28	MP4A	Mx	0	1.5
29	MP4A	Z	-.852	6.5
30	MP4A	Mx	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.882	6
2	MP2A	Mx	.000882	6
3	MP2A	X	.882	7
4	MP2A	Mx	.000882	7
5	MP2A	X	.882	6
6	MP2A	Mx	.000882	6
7	MP2A	X	.882	7
8	MP2A	Mx	.000882	7
9	MP2A	X	2.306	1.5
10	MP2A	Mx	-.001	1.5
11	MP2A	X	2.306	6.5
12	MP2A	Mx	-.001	6.5
13	MP2A	X	2.306	1.5
14	MP2A	Mx	-.001	1.5
15	MP2A	X	2.306	6.5
16	MP2A	Mx	-.001	6.5
17	MP1A	X	4.367	3.5
18	MP1A	Mx	-.002	3.5
19	MP1A	X	4.367	4.5
20	MP1A	Mx	-.002	4.5
21	OVP1	X	3.209	1.5
22	OVP1	Mx	0	1.5
23	MP2A	X	7.49	1
24	MP2A	Mx	.004	1
25	MP3A	X	7.049	1
26	MP3A	Mx	.004	1
27	MP4A	X	.852	1.5
28	MP4A	Mx	-.000426	1.5
29	MP4A	X	.852	6.5
30	MP4A	Mx	-.000426	6.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-5.755	-5.755	0	%100
2	M2	Y	-5.755	-5.755	0	%100
3	M13	Y	-6.724	-6.724	0	%100
4	M14	Y	-6.724	-6.724	0	%100
5	M15	Y	-6.724	-6.724	0	%100
6	M16	Y	-6.724	-6.724	0	%100
7	M17	Y	-5.043	-5.043	0	%100
8	M18	Y	-5.043	-5.043	0	%100
9	M19	Y	-5.043	-5.043	0	%100
10	M20	Y	-5.043	-5.043	0	%100
11	M21	Y	-6.724	-6.724	0	%100
12	M22	Y	-6.724	-6.724	0	%100
13	M23	Y	-6.724	-6.724	0	%100
14	M24	Y	-6.724	-6.724	0	%100
15	M25	Y	-2.729	-2.729	0	%100
16	M26	Y	-2.729	-2.729	0	%100
17	M27	Y	-2.729	-2.729	0	%100
18	M28	Y	-2.729	-2.729	0	%100
19	MP4A	Y	-5.043	-5.043	0	%100
20	MP3A	Y	-5.043	-5.043	0	%100
21	MP2A	Y	-5.043	-5.043	0	%100
22	MP1A	Y	-5.043	-5.043	0	%100
23	M44	Y	-2.551	-2.551	0	%100
24	M45	Y	-2.551	-2.551	0	%100
25	M46	Y	-2.551	-2.551	0	%100
26	M47	Y	-2.551	-2.551	0	%100
27	M44A	Y	-5.043	-5.043	0	%100
28	OVP1	Y	-5.043	-5.043	0	%100
29	M47C	Y	-5.043	-5.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-14.494	-14.494	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-14.494	-14.494	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-5.722	-5.722	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-5.722	-5.722	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-5.722	-5.722	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-5.722	-5.722	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-3.151	-3.151	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-3.151	-3.151	0	%100
25	M23	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
26	M23	Z	-3.151	-3.151	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-3.151	-3.151	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-3.263	-3.263	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-3.263	-3.263	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-3.263	-3.263	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-3.263	-3.263	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-11.973	-11.973	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-11.973	-11.973	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-11.973	-11.973	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-11.973	-11.973	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-3.151	-3.151	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-3.151	-3.151	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-3.151	-3.151	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-3.151	-3.151	0	%100
53	M44A	X	0	0	0	%100
54	M44A	Z	-.45	-.45	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	-11.973	-11.973	0	%100
57	M47C	X	0	0	0	%100
58	M47C	Z	-.45	-.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.435	5.435	0	%100
2	M1	Z	-9.414	-9.414	0	%100
3	M2	X	5.435	5.435	0	%100
4	M2	Z	-9.414	-9.414	0	%100
5	M13	X	.394	.394	0	%100
6	M13	Z	-.682	-.682	0	%100
7	M14	X	.394	.394	0	%100
8	M14	Z	-.682	-.682	0	%100
9	M15	X	.394	.394	0	%100
10	M15	Z	-.682	-.682	0	%100
11	M16	X	.394	.394	0	%100
12	M16	Z	-.682	-.682	0	%100
13	M17	X	.644	.644	0	%100
14	M17	Z	-1.116	-1.116	0	%100
15	M18	X	.644	.644	0	%100
16	M18	Z	-1.116	-1.116	0	%100
17	M19	X	4.525	4.525	0	%100
18	M19	Z	-7.837	-7.837	0	%100
19	M20	X	4.525	4.525	0	%100
20	M20	Z	-7.837	-7.837	0	%100
21	M21	X	1.182	1.182	0	%100
22	M21	Z	-2.046	-2.046	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	M22	X	1.182	1.182	0	%100
24	M22	Z	-2.046	-2.046	0	%100
25	M23	X	1.182	1.182	0	%100
26	M23	Z	-2.046	-2.046	0	%100
27	M24	X	1.182	1.182	0	%100
28	M24	Z	-2.046	-2.046	0	%100
29	M25	X	1.305	1.305	0	%100
30	M25	Z	-2.26	-2.26	0	%100
31	M26	X	1.305	1.305	0	%100
32	M26	Z	-2.26	-2.26	0	%100
33	M27	X	1.877	1.877	0	%100
34	M27	Z	-3.251	-3.251	0	%100
35	M28	X	1.877	1.877	0	%100
36	M28	Z	-3.251	-3.251	0	%100
37	MP4A	X	5.986	5.986	0	%100
38	MP4A	Z	-10.369	-10.369	0	%100
39	MP3A	X	5.986	5.986	0	%100
40	MP3A	Z	-10.369	-10.369	0	%100
41	MP2A	X	5.986	5.986	0	%100
42	MP2A	Z	-10.369	-10.369	0	%100
43	MP1A	X	5.986	5.986	0	%100
44	MP1A	Z	-10.369	-10.369	0	%100
45	M44	X	1.575	1.575	0	%100
46	M44	Z	-2.729	-2.729	0	%100
47	M45	X	1.575	1.575	0	%100
48	M45	Z	-2.729	-2.729	0	%100
49	M46	X	1.575	1.575	0	%100
50	M46	Z	-2.729	-2.729	0	%100
51	M47	X	1.575	1.575	0	%100
52	M47	Z	-2.729	-2.729	0	%100
53	M44A	X	.632	.632	0	%100
54	M44A	Z	-1.094	-1.094	0	%100
55	OVP1	X	5.986	5.986	0	%100
56	OVP1	Z	-10.369	-10.369	0	%100
57	M47C	X	.632	.632	0	%100
58	M47C	Z	-1.094	-1.094	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.138	3.138	0	%100
2	M1	Z	-1.812	-1.812	0	%100
3	M2	X	3.138	3.138	0	%100
4	M2	Z	-1.812	-1.812	0	%100
5	M13	X	2.046	2.046	0	%100
6	M13	Z	-1.182	-1.182	0	%100
7	M14	X	2.046	2.046	0	%100
8	M14	Z	-1.182	-1.182	0	%100
9	M15	X	2.046	2.046	0	%100
10	M15	Z	-1.182	-1.182	0	%100
11	M16	X	2.046	2.046	0	%100
12	M16	Z	-1.182	-1.182	0	%100
13	M17	X	.157	.157	0	%100
14	M17	Z	-.091	-.091	0	%100
15	M18	X	.157	.157	0	%100
16	M18	Z	-.091	-.091	0	%100
17	M19	X	6.879	6.879	0	%100
18	M19	Z	-3.971	-3.971	0	%100
19	M20	X	6.879	6.879	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
20	M20	Z	-3.971	-3.971	0	%100
21	M21	X	.682	.682	0	%100
22	M21	Z	-.394	-.394	0	%100
23	M22	X	.682	.682	0	%100
24	M22	Z	-.394	-.394	0	%100
25	M23	X	.682	.682	0	%100
26	M23	Z	-.394	-.394	0	%100
27	M24	X	.682	.682	0	%100
28	M24	Z	-.394	-.394	0	%100
29	M25	X	2.118	2.118	0	%100
30	M25	Z	-1.223	-1.223	0	%100
31	M26	X	2.118	2.118	0	%100
32	M26	Z	-1.223	-1.223	0	%100
33	M27	X	3.11	3.11	0	%100
34	M27	Z	-1.795	-1.795	0	%100
35	M28	X	3.11	3.11	0	%100
36	M28	Z	-1.795	-1.795	0	%100
37	MP4A	X	10.369	10.369	0	%100
38	MP4A	Z	-5.986	-5.986	0	%100
39	MP3A	X	10.369	10.369	0	%100
40	MP3A	Z	-5.986	-5.986	0	%100
41	MP2A	X	10.369	10.369	0	%100
42	MP2A	Z	-5.986	-5.986	0	%100
43	MP1A	X	10.369	10.369	0	%100
44	MP1A	Z	-5.986	-5.986	0	%100
45	M44	X	2.729	2.729	0	%100
46	M44	Z	-1.575	-1.575	0	%100
47	M45	X	2.729	2.729	0	%100
48	M45	Z	-1.575	-1.575	0	%100
49	M46	X	2.729	2.729	0	%100
50	M46	Z	-1.575	-1.575	0	%100
51	M47	X	2.729	2.729	0	%100
52	M47	Z	-1.575	-1.575	0	%100
53	M44A	X	5.892	5.892	0	%100
54	M44A	Z	-3.402	-3.402	0	%100
55	OVP1	X	10.369	10.369	0	%100
56	OVP1	Z	-5.986	-5.986	0	%100
57	M47C	X	5.892	5.892	0	%100
58	M47C	Z	-3.402	-3.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	3.151	3.151	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	3.151	3.151	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	3.151	3.151	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	3.151	3.151	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	3.509	3.509	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	3.509	3.509	0	%100
16	M18	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,...	Start Location[ft,%]	End Location[ft,%]
17	M19	X	3.509	3.509	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	3.509	3.509	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	2.937	2.937	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	2.937	2.937	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	2.937	2.937	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	2.937	2.937	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	11.973	11.973	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	11.973	11.973	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	11.973	11.973	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	11.973	11.973	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	3.151	3.151	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	3.151	3.151	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	3.151	3.151	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	3.151	3.151	0	%100
52	M47	Z	0	0	0	%100
53	M44A	X	11.53	11.53	0	%100
54	M44A	Z	0	0	0	%100
55	OVP1	X	11.973	11.973	0	%100
56	OVP1	Z	0	0	0	%100
57	M47C	X	11.53	11.53	0	%100
58	M47C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.138	3.138	0	%100
2	M1	Z	1.812	1.812	0	%100
3	M2	X	3.138	3.138	0	%100
4	M2	Z	1.812	1.812	0	%100
5	M13	X	2.046	2.046	0	%100
6	M13	Z	1.182	1.182	0	%100
7	M14	X	2.046	2.046	0	%100
8	M14	Z	1.182	1.182	0	%100
9	M15	X	2.046	2.046	0	%100
10	M15	Z	1.182	1.182	0	%100
11	M16	X	2.046	2.046	0	%100
12	M16	Z	1.182	1.182	0	%100
13	M17	X	6.879	6.879	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
14	M17	Z	3.971	3.971	0	%100
15	M18	X	6.879	6.879	0	%100
16	M18	Z	3.971	3.971	0	%100
17	M19	X	.157	.157	0	%100
18	M19	Z	.091	.091	0	%100
19	M20	X	.157	.157	0	%100
20	M20	Z	.091	.091	0	%100
21	M21	X	.682	.682	0	%100
22	M21	Z	.394	.394	0	%100
23	M22	X	.682	.682	0	%100
24	M22	Z	.394	.394	0	%100
25	M23	X	.682	.682	0	%100
26	M23	Z	.394	.394	0	%100
27	M24	X	.682	.682	0	%100
28	M24	Z	.394	.394	0	%100
29	M25	X	3.11	3.11	0	%100
30	M25	Z	1.795	1.795	0	%100
31	M26	X	3.11	3.11	0	%100
32	M26	Z	1.795	1.795	0	%100
33	M27	X	2.118	2.118	0	%100
34	M27	Z	1.223	1.223	0	%100
35	M28	X	2.118	2.118	0	%100
36	M28	Z	1.223	1.223	0	%100
37	MP4A	X	10.369	10.369	0	%100
38	MP4A	Z	5.986	5.986	0	%100
39	MP3A	X	10.369	10.369	0	%100
40	MP3A	Z	5.986	5.986	0	%100
41	MP2A	X	10.369	10.369	0	%100
42	MP2A	Z	5.986	5.986	0	%100
43	MP1A	X	10.369	10.369	0	%100
44	MP1A	Z	5.986	5.986	0	%100
45	M44	X	2.729	2.729	0	%100
46	M44	Z	1.575	1.575	0	%100
47	M45	X	2.729	2.729	0	%100
48	M45	Z	1.575	1.575	0	%100
49	M46	X	2.729	2.729	0	%100
50	M46	Z	1.575	1.575	0	%100
51	M47	X	2.729	2.729	0	%100
52	M47	Z	1.575	1.575	0	%100
53	M44A	X	9.281	9.281	0	%100
54	M44A	Z	5.358	5.358	0	%100
55	OVP1	X	10.369	10.369	0	%100
56	OVP1	Z	5.986	5.986	0	%100
57	M47C	X	9.281	9.281	0	%100
58	M47C	Z	5.358	5.358	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.435	5.435	0	%100
2	M1	Z	9.414	9.414	0	%100
3	M2	X	5.435	5.435	0	%100
4	M2	Z	9.414	9.414	0	%100
5	M13	X	.394	.394	0	%100
6	M13	Z	.682	.682	0	%100
7	M14	X	.394	.394	0	%100
8	M14	Z	.682	.682	0	%100
9	M15	X	.394	.394	0	%100
10	M15	Z	.682	.682	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	M16	X	.394	.394	0	%100
12	M16	Z	.682	.682	0	%100
13	M17	X	4.525	4.525	0	%100
14	M17	Z	7.837	7.837	0	%100
15	M18	X	4.525	4.525	0	%100
16	M18	Z	7.837	7.837	0	%100
17	M19	X	.644	.644	0	%100
18	M19	Z	1.116	1.116	0	%100
19	M20	X	.644	.644	0	%100
20	M20	Z	1.116	1.116	0	%100
21	M21	X	1.182	1.182	0	%100
22	M21	Z	2.046	2.046	0	%100
23	M22	X	1.182	1.182	0	%100
24	M22	Z	2.046	2.046	0	%100
25	M23	X	1.182	1.182	0	%100
26	M23	Z	2.046	2.046	0	%100
27	M24	X	1.182	1.182	0	%100
28	M24	Z	2.046	2.046	0	%100
29	M25	X	1.877	1.877	0	%100
30	M25	Z	3.251	3.251	0	%100
31	M26	X	1.877	1.877	0	%100
32	M26	Z	3.251	3.251	0	%100
33	M27	X	1.305	1.305	0	%100
34	M27	Z	2.26	2.26	0	%100
35	M28	X	1.305	1.305	0	%100
36	M28	Z	2.26	2.26	0	%100
37	MP4A	X	5.986	5.986	0	%100
38	MP4A	Z	10.369	10.369	0	%100
39	MP3A	X	5.986	5.986	0	%100
40	MP3A	Z	10.369	10.369	0	%100
41	MP2A	X	5.986	5.986	0	%100
42	MP2A	Z	10.369	10.369	0	%100
43	MP1A	X	5.986	5.986	0	%100
44	MP1A	Z	10.369	10.369	0	%100
45	M44	X	1.575	1.575	0	%100
46	M44	Z	2.729	2.729	0	%100
47	M45	X	1.575	1.575	0	%100
48	M45	Z	2.729	2.729	0	%100
49	M46	X	1.575	1.575	0	%100
50	M46	Z	2.729	2.729	0	%100
51	M47	X	1.575	1.575	0	%100
52	M47	Z	2.729	2.729	0	%100
53	M44A	X	2.588	2.588	0	%100
54	M44A	Z	4.483	4.483	0	%100
55	OVP1	X	5.986	5.986	0	%100
56	OVP1	Z	10.369	10.369	0	%100
57	M47C	X	2.588	2.588	0	%100
58	M47C	Z	4.483	4.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	14.494	14.494	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	14.494	14.494	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	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,...	Start Location[ft,%]	End Location[ft,%]
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	5.722	5.722	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	5.722	5.722	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	5.722	5.722	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	5.722	5.722	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	3.151	3.151	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	3.151	3.151	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	3.151	3.151	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	3.151	3.151	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	3.263	3.263	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	3.263	3.263	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	3.263	3.263	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	3.263	3.263	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	11.973	11.973	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	11.973	11.973	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	11.973	11.973	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	11.973	11.973	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	3.151	3.151	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	3.151	3.151	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	3.151	3.151	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	3.151	3.151	0	%100
53	M44A	X	0	0	0	%100
54	M44A	Z	.45	.45	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	11.973	11.973	0	%100
57	M47C	X	0	0	0	%100
58	M47C	Z	.45	.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.435	-5.435	0	%100
2	M1	Z	9.414	9.414	0	%100
3	M2	X	-5.435	-5.435	0	%100
4	M2	Z	9.414	9.414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M13	X	-.394	-.394	0	%100
6	M13	Z	.682	.682	0	%100
7	M14	X	-.394	-.394	0	%100
8	M14	Z	.682	.682	0	%100
9	M15	X	-.394	-.394	0	%100
10	M15	Z	.682	.682	0	%100
11	M16	X	-.394	-.394	0	%100
12	M16	Z	.682	.682	0	%100
13	M17	X	-.644	-.644	0	%100
14	M17	Z	1.116	1.116	0	%100
15	M18	X	-.644	-.644	0	%100
16	M18	Z	1.116	1.116	0	%100
17	M19	X	-4.525	-4.525	0	%100
18	M19	Z	7.837	7.837	0	%100
19	M20	X	-4.525	-4.525	0	%100
20	M20	Z	7.837	7.837	0	%100
21	M21	X	-1.182	-1.182	0	%100
22	M21	Z	2.046	2.046	0	%100
23	M22	X	-1.182	-1.182	0	%100
24	M22	Z	2.046	2.046	0	%100
25	M23	X	-1.182	-1.182	0	%100
26	M23	Z	2.046	2.046	0	%100
27	M24	X	-1.182	-1.182	0	%100
28	M24	Z	2.046	2.046	0	%100
29	M25	X	-1.305	-1.305	0	%100
30	M25	Z	2.26	2.26	0	%100
31	M26	X	-1.305	-1.305	0	%100
32	M26	Z	2.26	2.26	0	%100
33	M27	X	-1.877	-1.877	0	%100
34	M27	Z	3.251	3.251	0	%100
35	M28	X	-1.877	-1.877	0	%100
36	M28	Z	3.251	3.251	0	%100
37	MP4A	X	-5.986	-5.986	0	%100
38	MP4A	Z	10.369	10.369	0	%100
39	MP3A	X	-5.986	-5.986	0	%100
40	MP3A	Z	10.369	10.369	0	%100
41	MP2A	X	-5.986	-5.986	0	%100
42	MP2A	Z	10.369	10.369	0	%100
43	MP1A	X	-5.986	-5.986	0	%100
44	MP1A	Z	10.369	10.369	0	%100
45	M44	X	-1.575	-1.575	0	%100
46	M44	Z	2.729	2.729	0	%100
47	M45	X	-1.575	-1.575	0	%100
48	M45	Z	2.729	2.729	0	%100
49	M46	X	-1.575	-1.575	0	%100
50	M46	Z	2.729	2.729	0	%100
51	M47	X	-1.575	-1.575	0	%100
52	M47	Z	2.729	2.729	0	%100
53	M44A	X	-.632	-.632	0	%100
54	M44A	Z	1.094	1.094	0	%100
55	OVP1	X	-5.986	-5.986	0	%100
56	OVP1	Z	10.369	10.369	0	%100
57	M47C	X	-.632	-.632	0	%100
58	M47C	Z	1.094	1.094	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.138	-3.138	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	1.812	1.812	0	%100
3	M2	X	-3.138	-3.138	0	%100
4	M2	Z	1.812	1.812	0	%100
5	M13	X	-2.046	-2.046	0	%100
6	M13	Z	1.182	1.182	0	%100
7	M14	X	-2.046	-2.046	0	%100
8	M14	Z	1.182	1.182	0	%100
9	M15	X	-2.046	-2.046	0	%100
10	M15	Z	1.182	1.182	0	%100
11	M16	X	-2.046	-2.046	0	%100
12	M16	Z	1.182	1.182	0	%100
13	M17	X	-.157	-.157	0	%100
14	M17	Z	.091	.091	0	%100
15	M18	X	-.157	-.157	0	%100
16	M18	Z	.091	.091	0	%100
17	M19	X	-6.879	-6.879	0	%100
18	M19	Z	3.971	3.971	0	%100
19	M20	X	-6.879	-6.879	0	%100
20	M20	Z	3.971	3.971	0	%100
21	M21	X	-.682	-.682	0	%100
22	M21	Z	.394	.394	0	%100
23	M22	X	-.682	-.682	0	%100
24	M22	Z	.394	.394	0	%100
25	M23	X	-.682	-.682	0	%100
26	M23	Z	.394	.394	0	%100
27	M24	X	-.682	-.682	0	%100
28	M24	Z	.394	.394	0	%100
29	M25	X	-2.118	-2.118	0	%100
30	M25	Z	1.223	1.223	0	%100
31	M26	X	-2.118	-2.118	0	%100
32	M26	Z	1.223	1.223	0	%100
33	M27	X	-3.11	-3.11	0	%100
34	M27	Z	1.795	1.795	0	%100
35	M28	X	-3.11	-3.11	0	%100
36	M28	Z	1.795	1.795	0	%100
37	MP4A	X	-10.369	-10.369	0	%100
38	MP4A	Z	5.986	5.986	0	%100
39	MP3A	X	-10.369	-10.369	0	%100
40	MP3A	Z	5.986	5.986	0	%100
41	MP2A	X	-10.369	-10.369	0	%100
42	MP2A	Z	5.986	5.986	0	%100
43	MP1A	X	-10.369	-10.369	0	%100
44	MP1A	Z	5.986	5.986	0	%100
45	M44	X	-2.729	-2.729	0	%100
46	M44	Z	1.575	1.575	0	%100
47	M45	X	-2.729	-2.729	0	%100
48	M45	Z	1.575	1.575	0	%100
49	M46	X	-2.729	-2.729	0	%100
50	M46	Z	1.575	1.575	0	%100
51	M47	X	-2.729	-2.729	0	%100
52	M47	Z	1.575	1.575	0	%100
53	M44A	X	-5.892	-5.892	0	%100
54	M44A	Z	3.402	3.402	0	%100
55	OVP1	X	-10.369	-10.369	0	%100
56	OVP1	Z	5.986	5.986	0	%100
57	M47C	X	-5.892	-5.892	0	%100
58	M47C	Z	3.402	3.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-3.151	-3.151	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-3.151	-3.151	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-3.151	-3.151	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-3.151	-3.151	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-3.509	-3.509	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-3.509	-3.509	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-3.509	-3.509	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-3.509	-3.509	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-2.937	-2.937	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-2.937	-2.937	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-2.937	-2.937	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-2.937	-2.937	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-11.973	-11.973	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-11.973	-11.973	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-11.973	-11.973	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-11.973	-11.973	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-3.151	-3.151	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-3.151	-3.151	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-3.151	-3.151	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-3.151	-3.151	0	%100
52	M47	Z	0	0	0	%100
53	M44A	X	-11.53	-11.53	0	%100
54	M44A	Z	0	0	0	%100
55	OVP1	X	-11.973	-11.973	0	%100
56	OVP1	Z	0	0	0	%100
57	M47C	X	-11.53	-11.53	0	%100
58	M47C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.138	-3.138	0	%100
2	M1	Z	-1.812	-1.812	0	%100
3	M2	X	-3.138	-3.138	0	%100
4	M2	Z	-1.812	-1.812	0	%100
5	M13	X	-2.046	-2.046	0	%100
6	M13	Z	-1.182	-1.182	0	%100
7	M14	X	-2.046	-2.046	0	%100
8	M14	Z	-1.182	-1.182	0	%100
9	M15	X	-2.046	-2.046	0	%100
10	M15	Z	-1.182	-1.182	0	%100
11	M16	X	-2.046	-2.046	0	%100
12	M16	Z	-1.182	-1.182	0	%100
13	M17	X	-6.879	-6.879	0	%100
14	M17	Z	-3.971	-3.971	0	%100
15	M18	X	-6.879	-6.879	0	%100
16	M18	Z	-3.971	-3.971	0	%100
17	M19	X	-.157	-.157	0	%100
18	M19	Z	-.091	-.091	0	%100
19	M20	X	-.157	-.157	0	%100
20	M20	Z	-.091	-.091	0	%100
21	M21	X	-.682	-.682	0	%100
22	M21	Z	-.394	-.394	0	%100
23	M22	X	-.682	-.682	0	%100
24	M22	Z	-.394	-.394	0	%100
25	M23	X	-.682	-.682	0	%100
26	M23	Z	-.394	-.394	0	%100
27	M24	X	-.682	-.682	0	%100
28	M24	Z	-.394	-.394	0	%100
29	M25	X	-3.11	-3.11	0	%100
30	M25	Z	-1.795	-1.795	0	%100
31	M26	X	-3.11	-3.11	0	%100
32	M26	Z	-1.795	-1.795	0	%100
33	M27	X	-2.118	-2.118	0	%100
34	M27	Z	-1.223	-1.223	0	%100
35	M28	X	-2.118	-2.118	0	%100
36	M28	Z	-1.223	-1.223	0	%100
37	MP4A	X	-10.369	-10.369	0	%100
38	MP4A	Z	-5.986	-5.986	0	%100
39	MP3A	X	-10.369	-10.369	0	%100
40	MP3A	Z	-5.986	-5.986	0	%100
41	MP2A	X	-10.369	-10.369	0	%100
42	MP2A	Z	-5.986	-5.986	0	%100
43	MP1A	X	-10.369	-10.369	0	%100
44	MP1A	Z	-5.986	-5.986	0	%100
45	M44	X	-2.729	-2.729	0	%100
46	M44	Z	-1.575	-1.575	0	%100
47	M45	X	-2.729	-2.729	0	%100
48	M45	Z	-1.575	-1.575	0	%100
49	M46	X	-2.729	-2.729	0	%100
50	M46	Z	-1.575	-1.575	0	%100
51	M47	X	-2.729	-2.729	0	%100
52	M47	Z	-1.575	-1.575	0	%100
53	M44A	X	-9.281	-9.281	0	%100
54	M44A	Z	-5.358	-5.358	0	%100
55	OVP1	X	-10.369	-10.369	0	%100
56	OVP1	Z	-5.986	-5.986	0	%100
57	M47C	X	-9.281	-9.281	0	%100
58	M47C	Z	-5.358	-5.358	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.435	-5.435	0	%100
2	M1	Z	-9.414	-9.414	0	%100
3	M2	X	-5.435	-5.435	0	%100
4	M2	Z	-9.414	-9.414	0	%100
5	M13	X	-.394	-.394	0	%100
6	M13	Z	-.682	-.682	0	%100
7	M14	X	-.394	-.394	0	%100
8	M14	Z	-.682	-.682	0	%100
9	M15	X	-.394	-.394	0	%100
10	M15	Z	-.682	-.682	0	%100
11	M16	X	-.394	-.394	0	%100
12	M16	Z	-.682	-.682	0	%100
13	M17	X	-4.525	-4.525	0	%100
14	M17	Z	-7.837	-7.837	0	%100
15	M18	X	-4.525	-4.525	0	%100
16	M18	Z	-7.837	-7.837	0	%100
17	M19	X	-.644	-.644	0	%100
18	M19	Z	-1.116	-1.116	0	%100
19	M20	X	-.644	-.644	0	%100
20	M20	Z	-1.116	-1.116	0	%100
21	M21	X	-1.182	-1.182	0	%100
22	M21	Z	-2.046	-2.046	0	%100
23	M22	X	-1.182	-1.182	0	%100
24	M22	Z	-2.046	-2.046	0	%100
25	M23	X	-1.182	-1.182	0	%100
26	M23	Z	-2.046	-2.046	0	%100
27	M24	X	-1.182	-1.182	0	%100
28	M24	Z	-2.046	-2.046	0	%100
29	M25	X	-1.877	-1.877	0	%100
30	M25	Z	-3.251	-3.251	0	%100
31	M26	X	-1.877	-1.877	0	%100
32	M26	Z	-3.251	-3.251	0	%100
33	M27	X	-1.305	-1.305	0	%100
34	M27	Z	-2.26	-2.26	0	%100
35	M28	X	-1.305	-1.305	0	%100
36	M28	Z	-2.26	-2.26	0	%100
37	MP4A	X	-5.986	-5.986	0	%100
38	MP4A	Z	-10.369	-10.369	0	%100
39	MP3A	X	-5.986	-5.986	0	%100
40	MP3A	Z	-10.369	-10.369	0	%100
41	MP2A	X	-5.986	-5.986	0	%100
42	MP2A	Z	-10.369	-10.369	0	%100
43	MP1A	X	-5.986	-5.986	0	%100
44	MP1A	Z	-10.369	-10.369	0	%100
45	M44	X	-1.575	-1.575	0	%100
46	M44	Z	-2.729	-2.729	0	%100
47	M45	X	-1.575	-1.575	0	%100
48	M45	Z	-2.729	-2.729	0	%100
49	M46	X	-1.575	-1.575	0	%100
50	M46	Z	-2.729	-2.729	0	%100
51	M47	X	-1.575	-1.575	0	%100
52	M47	Z	-2.729	-2.729	0	%100
53	M44A	X	-2.588	-2.588	0	%100
54	M44A	Z	-4.483	-4.483	0	%100
55	OVP1	X	-5.986	-5.986	0	%100
56	OVP1	Z	-10.369	-10.369	0	%100
57	M47C	X	-2.588	-2.588	0	%100
58	M47C	Z	-4.483	-4.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.883	-3.883	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.883	-3.883	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-1.682	-1.682	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-1.682	-1.682	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-1.682	-1.682	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-1.682	-1.682	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.488	-1.488	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-1.488	-1.488	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.488	-1.488	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.488	-1.488	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.885	-1.885	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.885	-1.885	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-1.885	-1.885	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-1.885	-1.885	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-3.51	-3.51	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-3.51	-3.51	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-3.51	-3.51	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-3.51	-3.51	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-1.952	-1.952	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.952	-1.952	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-1.952	-1.952	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-1.952	-1.952	0	%100
53	M44A	X	0	0	0	%100
54	M44A	Z	-.132	-.132	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	-3.51	-3.51	0	%100
57	M47C	X	0	0	0	%100
58	M47C	Z	-.132	-.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.456	1.456	0	%100
2	M1	Z	-2.522	-2.522	0	%100
3	M2	X	1.456	1.456	0	%100
4	M2	Z	-2.522	-2.522	0	%100
5	M13	X	.185	.185	0	%100
6	M13	Z	-.321	-.321	0	%100
7	M14	X	.185	.185	0	%100
8	M14	Z	-.321	-.321	0	%100
9	M15	X	.185	.185	0	%100
10	M15	Z	-.321	-.321	0	%100
11	M16	X	.185	.185	0	%100
12	M16	Z	-.321	-.321	0	%100
13	M17	X	.189	.189	0	%100
14	M17	Z	-.328	-.328	0	%100
15	M18	X	.189	.189	0	%100
16	M18	Z	-.328	-.328	0	%100
17	M19	X	1.33	1.33	0	%100
18	M19	Z	-2.304	-2.304	0	%100
19	M20	X	1.33	1.33	0	%100
20	M20	Z	-2.304	-2.304	0	%100
21	M21	X	.558	.558	0	%100
22	M21	Z	-.966	-.966	0	%100
23	M22	X	.558	.558	0	%100
24	M22	Z	-.966	-.966	0	%100
25	M23	X	.558	.558	0	%100
26	M23	Z	-.966	-.966	0	%100
27	M24	X	.558	.558	0	%100
28	M24	Z	-.966	-.966	0	%100
29	M25	X	.754	.754	0	%100
30	M25	Z	-1.305	-1.305	0	%100
31	M26	X	.754	.754	0	%100
32	M26	Z	-1.305	-1.305	0	%100
33	M27	X	1.084	1.084	0	%100
34	M27	Z	-1.878	-1.878	0	%100
35	M28	X	1.084	1.084	0	%100
36	M28	Z	-1.878	-1.878	0	%100
37	MP4A	X	1.755	1.755	0	%100
38	MP4A	Z	-3.04	-3.04	0	%100
39	MP3A	X	1.755	1.755	0	%100
40	MP3A	Z	-3.04	-3.04	0	%100
41	MP2A	X	1.755	1.755	0	%100
42	MP2A	Z	-3.04	-3.04	0	%100
43	MP1A	X	1.755	1.755	0	%100
44	MP1A	Z	-3.04	-3.04	0	%100
45	M44	X	.976	.976	0	%100
46	M44	Z	-1.691	-1.691	0	%100
47	M45	X	.976	.976	0	%100
48	M45	Z	-1.691	-1.691	0	%100
49	M46	X	.976	.976	0	%100
50	M46	Z	-1.691	-1.691	0	%100
51	M47	X	.976	.976	0	%100
52	M47	Z	-1.691	-1.691	0	%100
53	M44A	X	.185	.185	0	%100
54	M44A	Z	-.321	-.321	0	%100
55	OVP1	X	1.755	1.755	0	%100
56	OVP1	Z	-3.04	-3.04	0	%100
57	M47C	X	.185	.185	0	%100
58	M47C	Z	-.321	-.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.841	.841	0	%100
2	M1	Z	-.485	-.485	0	%100
3	M2	X	.841	.841	0	%100
4	M2	Z	-.485	-.485	0	%100
5	M13	X	.962	.962	0	%100
6	M13	Z	-.555	-.555	0	%100
7	M14	X	.962	.962	0	%100
8	M14	Z	-.555	-.555	0	%100
9	M15	X	.962	.962	0	%100
10	M15	Z	-.555	-.555	0	%100
11	M16	X	.962	.962	0	%100
12	M16	Z	-.555	-.555	0	%100
13	M17	X	.046	.046	0	%100
14	M17	Z	-.027	-.027	0	%100
15	M18	X	.046	.046	0	%100
16	M18	Z	-.027	-.027	0	%100
17	M19	X	2.022	2.022	0	%100
18	M19	Z	-1.167	-1.167	0	%100
19	M20	X	2.022	2.022	0	%100
20	M20	Z	-1.167	-1.167	0	%100
21	M21	X	.322	.322	0	%100
22	M21	Z	-.186	-.186	0	%100
23	M22	X	.322	.322	0	%100
24	M22	Z	-.186	-.186	0	%100
25	M23	X	.322	.322	0	%100
26	M23	Z	-.186	-.186	0	%100
27	M24	X	.322	.322	0	%100
28	M24	Z	-.186	-.186	0	%100
29	M25	X	1.224	1.224	0	%100
30	M25	Z	-.706	-.706	0	%100
31	M26	X	1.224	1.224	0	%100
32	M26	Z	-.706	-.706	0	%100
33	M27	X	1.796	1.796	0	%100
34	M27	Z	-1.037	-1.037	0	%100
35	M28	X	1.796	1.796	0	%100
36	M28	Z	-1.037	-1.037	0	%100
37	MP4A	X	3.04	3.04	0	%100
38	MP4A	Z	-1.755	-1.755	0	%100
39	MP3A	X	3.04	3.04	0	%100
40	MP3A	Z	-1.755	-1.755	0	%100
41	MP2A	X	3.04	3.04	0	%100
42	MP2A	Z	-1.755	-1.755	0	%100
43	MP1A	X	3.04	3.04	0	%100
44	MP1A	Z	-1.755	-1.755	0	%100
45	M44	X	1.691	1.691	0	%100
46	M44	Z	-.976	-.976	0	%100
47	M45	X	1.691	1.691	0	%100
48	M45	Z	-.976	-.976	0	%100
49	M46	X	1.691	1.691	0	%100
50	M46	Z	-.976	-.976	0	%100
51	M47	X	1.691	1.691	0	%100
52	M47	Z	-.976	-.976	0	%100
53	M44A	X	1.727	1.727	0	%100
54	M44A	Z	-.997	-.997	0	%100
55	OVP1	X	3.04	3.04	0	%100
56	OVP1	Z	-1.755	-1.755	0	%100
57	M47C	X	1.727	1.727	0	%100
58	M47C	Z	-.997	-.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.48	1.48	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	1.48	1.48	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.48	1.48	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.48	1.48	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	1.032	1.032	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	1.032	1.032	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	1.032	1.032	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	1.032	1.032	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.696	1.696	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	1.696	1.696	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.696	1.696	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.696	1.696	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	3.51	3.51	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	3.51	3.51	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	3.51	3.51	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	3.51	3.51	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	1.952	1.952	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	1.952	1.952	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	1.952	1.952	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	1.952	1.952	0	%100
52	M47	Z	0	0	0	%100
53	M44A	X	3.38	3.38	0	%100
54	M44A	Z	0	0	0	%100
55	OVP1	X	3.51	3.51	0	%100
56	OVP1	Z	0	0	0	%100
57	M47C	X	3.38	3.38	0	%100
58	M47C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.841	.841	0	%100
2	M1	Z	.485	.485	0	%100
3	M2	X	.841	.841	0	%100
4	M2	Z	.485	.485	0	%100
5	M13	X	.962	.962	0	%100
6	M13	Z	.555	.555	0	%100
7	M14	X	.962	.962	0	%100
8	M14	Z	.555	.555	0	%100
9	M15	X	.962	.962	0	%100
10	M15	Z	.555	.555	0	%100
11	M16	X	.962	.962	0	%100
12	M16	Z	.555	.555	0	%100
13	M17	X	2.022	2.022	0	%100
14	M17	Z	1.167	1.167	0	%100
15	M18	X	2.022	2.022	0	%100
16	M18	Z	1.167	1.167	0	%100
17	M19	X	.046	.046	0	%100
18	M19	Z	.027	.027	0	%100
19	M20	X	.046	.046	0	%100
20	M20	Z	.027	.027	0	%100
21	M21	X	.322	.322	0	%100
22	M21	Z	.186	.186	0	%100
23	M22	X	.322	.322	0	%100
24	M22	Z	.186	.186	0	%100
25	M23	X	.322	.322	0	%100
26	M23	Z	.186	.186	0	%100
27	M24	X	.322	.322	0	%100
28	M24	Z	.186	.186	0	%100
29	M25	X	1.796	1.796	0	%100
30	M25	Z	1.037	1.037	0	%100
31	M26	X	1.796	1.796	0	%100
32	M26	Z	1.037	1.037	0	%100
33	M27	X	1.224	1.224	0	%100
34	M27	Z	.706	.706	0	%100
35	M28	X	1.224	1.224	0	%100
36	M28	Z	.706	.706	0	%100
37	MP4A	X	3.04	3.04	0	%100
38	MP4A	Z	1.755	1.755	0	%100
39	MP3A	X	3.04	3.04	0	%100
40	MP3A	Z	1.755	1.755	0	%100
41	MP2A	X	3.04	3.04	0	%100
42	MP2A	Z	1.755	1.755	0	%100
43	MP1A	X	3.04	3.04	0	%100
44	MP1A	Z	1.755	1.755	0	%100
45	M44	X	1.691	1.691	0	%100
46	M44	Z	.976	.976	0	%100
47	M45	X	1.691	1.691	0	%100
48	M45	Z	.976	.976	0	%100
49	M46	X	1.691	1.691	0	%100
50	M46	Z	.976	.976	0	%100
51	M47	X	1.691	1.691	0	%100
52	M47	Z	.976	.976	0	%100
53	M44A	X	2.721	2.721	0	%100
54	M44A	Z	1.571	1.571	0	%100
55	OVP1	X	3.04	3.04	0	%100
56	OVP1	Z	1.755	1.755	0	%100
57	M47C	X	2.721	2.721	0	%100
58	M47C	Z	1.571	1.571	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.456	1.456	0	%100
2	M1	Z	2.522	2.522	0	%100
3	M2	X	1.456	1.456	0	%100
4	M2	Z	2.522	2.522	0	%100
5	M13	X	.185	.185	0	%100
6	M13	Z	.321	.321	0	%100
7	M14	X	.185	.185	0	%100
8	M14	Z	.321	.321	0	%100
9	M15	X	.185	.185	0	%100
10	M15	Z	.321	.321	0	%100
11	M16	X	.185	.185	0	%100
12	M16	Z	.321	.321	0	%100
13	M17	X	1.33	1.33	0	%100
14	M17	Z	2.304	2.304	0	%100
15	M18	X	1.33	1.33	0	%100
16	M18	Z	2.304	2.304	0	%100
17	M19	X	.189	.189	0	%100
18	M19	Z	.328	.328	0	%100
19	M20	X	.189	.189	0	%100
20	M20	Z	.328	.328	0	%100
21	M21	X	.558	.558	0	%100
22	M21	Z	.966	.966	0	%100
23	M22	X	.558	.558	0	%100
24	M22	Z	.966	.966	0	%100
25	M23	X	.558	.558	0	%100
26	M23	Z	.966	.966	0	%100
27	M24	X	.558	.558	0	%100
28	M24	Z	.966	.966	0	%100
29	M25	X	1.084	1.084	0	%100
30	M25	Z	1.878	1.878	0	%100
31	M26	X	1.084	1.084	0	%100
32	M26	Z	1.878	1.878	0	%100
33	M27	X	.754	.754	0	%100
34	M27	Z	1.305	1.305	0	%100
35	M28	X	.754	.754	0	%100
36	M28	Z	1.305	1.305	0	%100
37	MP4A	X	1.755	1.755	0	%100
38	MP4A	Z	3.04	3.04	0	%100
39	MP3A	X	1.755	1.755	0	%100
40	MP3A	Z	3.04	3.04	0	%100
41	MP2A	X	1.755	1.755	0	%100
42	MP2A	Z	3.04	3.04	0	%100
43	MP1A	X	1.755	1.755	0	%100
44	MP1A	Z	3.04	3.04	0	%100
45	M44	X	.976	.976	0	%100
46	M44	Z	1.691	1.691	0	%100
47	M45	X	.976	.976	0	%100
48	M45	Z	1.691	1.691	0	%100
49	M46	X	.976	.976	0	%100
50	M46	Z	1.691	1.691	0	%100
51	M47	X	.976	.976	0	%100
52	M47	Z	1.691	1.691	0	%100
53	M44A	X	.759	.759	0	%100
54	M44A	Z	1.314	1.314	0	%100
55	OVP1	X	1.755	1.755	0	%100
56	OVP1	Z	3.04	3.04	0	%100
57	M47C	X	.759	.759	0	%100
58	M47C	Z	1.314	1.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.883	3.883	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.883	3.883	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	1.682	1.682	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	1.682	1.682	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.682	1.682	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	1.682	1.682	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.488	1.488	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.488	1.488	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.488	1.488	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.488	1.488	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.885	1.885	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.885	1.885	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	1.885	1.885	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.885	1.885	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	3.51	3.51	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	3.51	3.51	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	3.51	3.51	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	3.51	3.51	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	1.952	1.952	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.952	1.952	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	1.952	1.952	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	1.952	1.952	0	%100
53	M44A	X	0	0	0	%100
54	M44A	Z	.132	.132	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	3.51	3.51	0	%100
57	M47C	X	0	0	0	%100
58	M47C	Z	.132	.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.456	-1.456	0	%100
2	M1	Z	2.522	2.522	0	%100
3	M2	X	-1.456	-1.456	0	%100
4	M2	Z	2.522	2.522	0	%100
5	M13	X	-.185	-.185	0	%100
6	M13	Z	.321	.321	0	%100
7	M14	X	-.185	-.185	0	%100
8	M14	Z	.321	.321	0	%100
9	M15	X	-.185	-.185	0	%100
10	M15	Z	.321	.321	0	%100
11	M16	X	-.185	-.185	0	%100
12	M16	Z	.321	.321	0	%100
13	M17	X	-.189	-.189	0	%100
14	M17	Z	.328	.328	0	%100
15	M18	X	-.189	-.189	0	%100
16	M18	Z	.328	.328	0	%100
17	M19	X	-1.33	-1.33	0	%100
18	M19	Z	2.304	2.304	0	%100
19	M20	X	-1.33	-1.33	0	%100
20	M20	Z	2.304	2.304	0	%100
21	M21	X	-.558	-.558	0	%100
22	M21	Z	.966	.966	0	%100
23	M22	X	-.558	-.558	0	%100
24	M22	Z	.966	.966	0	%100
25	M23	X	-.558	-.558	0	%100
26	M23	Z	.966	.966	0	%100
27	M24	X	-.558	-.558	0	%100
28	M24	Z	.966	.966	0	%100
29	M25	X	-.754	-.754	0	%100
30	M25	Z	1.305	1.305	0	%100
31	M26	X	-.754	-.754	0	%100
32	M26	Z	1.305	1.305	0	%100
33	M27	X	-1.084	-1.084	0	%100
34	M27	Z	1.878	1.878	0	%100
35	M28	X	-1.084	-1.084	0	%100
36	M28	Z	1.878	1.878	0	%100
37	MP4A	X	-1.755	-1.755	0	%100
38	MP4A	Z	3.04	3.04	0	%100
39	MP3A	X	-1.755	-1.755	0	%100
40	MP3A	Z	3.04	3.04	0	%100
41	MP2A	X	-1.755	-1.755	0	%100
42	MP2A	Z	3.04	3.04	0	%100
43	MP1A	X	-1.755	-1.755	0	%100
44	MP1A	Z	3.04	3.04	0	%100
45	M44	X	-.976	-.976	0	%100
46	M44	Z	1.691	1.691	0	%100
47	M45	X	-.976	-.976	0	%100
48	M45	Z	1.691	1.691	0	%100
49	M46	X	-.976	-.976	0	%100
50	M46	Z	1.691	1.691	0	%100
51	M47	X	-.976	-.976	0	%100
52	M47	Z	1.691	1.691	0	%100
53	M44A	X	-.185	-.185	0	%100
54	M44A	Z	.321	.321	0	%100
55	OVP1	X	-1.755	-1.755	0	%100
56	OVP1	Z	3.04	3.04	0	%100
57	M47C	X	-.185	-.185	0	%100
58	M47C	Z	.321	.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.841	-.841	0	%100
2	M1	Z	.485	.485	0	%100
3	M2	X	-.841	-.841	0	%100
4	M2	Z	.485	.485	0	%100
5	M13	X	-.962	-.962	0	%100
6	M13	Z	.555	.555	0	%100
7	M14	X	-.962	-.962	0	%100
8	M14	Z	.555	.555	0	%100
9	M15	X	-.962	-.962	0	%100
10	M15	Z	.555	.555	0	%100
11	M16	X	-.962	-.962	0	%100
12	M16	Z	.555	.555	0	%100
13	M17	X	-.046	-.046	0	%100
14	M17	Z	.027	.027	0	%100
15	M18	X	-.046	-.046	0	%100
16	M18	Z	.027	.027	0	%100
17	M19	X	-2.022	-2.022	0	%100
18	M19	Z	1.167	1.167	0	%100
19	M20	X	-2.022	-2.022	0	%100
20	M20	Z	1.167	1.167	0	%100
21	M21	X	-.322	-.322	0	%100
22	M21	Z	.186	.186	0	%100
23	M22	X	-.322	-.322	0	%100
24	M22	Z	.186	.186	0	%100
25	M23	X	-.322	-.322	0	%100
26	M23	Z	.186	.186	0	%100
27	M24	X	-.322	-.322	0	%100
28	M24	Z	.186	.186	0	%100
29	M25	X	-1.224	-1.224	0	%100
30	M25	Z	.706	.706	0	%100
31	M26	X	-1.224	-1.224	0	%100
32	M26	Z	.706	.706	0	%100
33	M27	X	-1.796	-1.796	0	%100
34	M27	Z	1.037	1.037	0	%100
35	M28	X	-1.796	-1.796	0	%100
36	M28	Z	1.037	1.037	0	%100
37	MP4A	X	-3.04	-3.04	0	%100
38	MP4A	Z	1.755	1.755	0	%100
39	MP3A	X	-3.04	-3.04	0	%100
40	MP3A	Z	1.755	1.755	0	%100
41	MP2A	X	-3.04	-3.04	0	%100
42	MP2A	Z	1.755	1.755	0	%100
43	MP1A	X	-3.04	-3.04	0	%100
44	MP1A	Z	1.755	1.755	0	%100
45	M44	X	-1.691	-1.691	0	%100
46	M44	Z	.976	.976	0	%100
47	M45	X	-1.691	-1.691	0	%100
48	M45	Z	.976	.976	0	%100
49	M46	X	-1.691	-1.691	0	%100
50	M46	Z	.976	.976	0	%100
51	M47	X	-1.691	-1.691	0	%100
52	M47	Z	.976	.976	0	%100
53	M44A	X	-1.727	-1.727	0	%100
54	M44A	Z	.997	.997	0	%100
55	OVP1	X	-3.04	-3.04	0	%100
56	OVP1	Z	1.755	1.755	0	%100
57	M47C	X	-1.727	-1.727	0	%100
58	M47C	Z	.997	.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.48	-1.48	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.48	-1.48	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.48	-1.48	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.48	-1.48	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-1.032	-1.032	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-1.032	-1.032	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-1.032	-1.032	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-1.032	-1.032	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.696	-1.696	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.696	-1.696	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.696	-1.696	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.696	-1.696	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-3.51	-3.51	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-3.51	-3.51	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-3.51	-3.51	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-3.51	-3.51	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-1.952	-1.952	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-1.952	-1.952	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-1.952	-1.952	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-1.952	-1.952	0	%100
52	M47	Z	0	0	0	%100
53	M44A	X	-3.38	-3.38	0	%100
54	M44A	Z	0	0	0	%100
55	OVP1	X	-3.51	-3.51	0	%100
56	OVP1	Z	0	0	0	%100
57	M47C	X	-3.38	-3.38	0	%100
58	M47C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.841	-.841	0	%100
2	M1	Z	-.485	-.485	0	%100
3	M2	X	-.841	-.841	0	%100
4	M2	Z	-.485	-.485	0	%100
5	M13	X	-.962	-.962	0	%100
6	M13	Z	-.555	-.555	0	%100
7	M14	X	-.962	-.962	0	%100
8	M14	Z	-.555	-.555	0	%100
9	M15	X	-.962	-.962	0	%100
10	M15	Z	-.555	-.555	0	%100
11	M16	X	-.962	-.962	0	%100
12	M16	Z	-.555	-.555	0	%100
13	M17	X	-2.022	-2.022	0	%100
14	M17	Z	-1.167	-1.167	0	%100
15	M18	X	-2.022	-2.022	0	%100
16	M18	Z	-1.167	-1.167	0	%100
17	M19	X	-.046	-.046	0	%100
18	M19	Z	-.027	-.027	0	%100
19	M20	X	-.046	-.046	0	%100
20	M20	Z	-.027	-.027	0	%100
21	M21	X	-.322	-.322	0	%100
22	M21	Z	-.186	-.186	0	%100
23	M22	X	-.322	-.322	0	%100
24	M22	Z	-.186	-.186	0	%100
25	M23	X	-.322	-.322	0	%100
26	M23	Z	-.186	-.186	0	%100
27	M24	X	-.322	-.322	0	%100
28	M24	Z	-.186	-.186	0	%100
29	M25	X	-1.796	-1.796	0	%100
30	M25	Z	-1.037	-1.037	0	%100
31	M26	X	-1.796	-1.796	0	%100
32	M26	Z	-1.037	-1.037	0	%100
33	M27	X	-1.224	-1.224	0	%100
34	M27	Z	-.706	-.706	0	%100
35	M28	X	-1.224	-1.224	0	%100
36	M28	Z	-.706	-.706	0	%100
37	MP4A	X	-3.04	-3.04	0	%100
38	MP4A	Z	-1.755	-1.755	0	%100
39	MP3A	X	-3.04	-3.04	0	%100
40	MP3A	Z	-1.755	-1.755	0	%100
41	MP2A	X	-3.04	-3.04	0	%100
42	MP2A	Z	-1.755	-1.755	0	%100
43	MP1A	X	-3.04	-3.04	0	%100
44	MP1A	Z	-1.755	-1.755	0	%100
45	M44	X	-1.691	-1.691	0	%100
46	M44	Z	-.976	-.976	0	%100
47	M45	X	-1.691	-1.691	0	%100
48	M45	Z	-.976	-.976	0	%100
49	M46	X	-1.691	-1.691	0	%100
50	M46	Z	-.976	-.976	0	%100
51	M47	X	-1.691	-1.691	0	%100
52	M47	Z	-.976	-.976	0	%100
53	M44A	X	-2.721	-2.721	0	%100
54	M44A	Z	-1.571	-1.571	0	%100
55	OVP1	X	-3.04	-3.04	0	%100
56	OVP1	Z	-1.755	-1.755	0	%100
57	M47C	X	-2.721	-2.721	0	%100
58	M47C	Z	-1.571	-1.571	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.456	-1.456	0	%100
2	M1	Z	-2.522	-2.522	0	%100
3	M2	X	-1.456	-1.456	0	%100
4	M2	Z	-2.522	-2.522	0	%100
5	M13	X	-.185	-.185	0	%100
6	M13	Z	-.321	-.321	0	%100
7	M14	X	-.185	-.185	0	%100
8	M14	Z	-.321	-.321	0	%100
9	M15	X	-.185	-.185	0	%100
10	M15	Z	-.321	-.321	0	%100
11	M16	X	-.185	-.185	0	%100
12	M16	Z	-.321	-.321	0	%100
13	M17	X	-1.33	-1.33	0	%100
14	M17	Z	-2.304	-2.304	0	%100
15	M18	X	-1.33	-1.33	0	%100
16	M18	Z	-2.304	-2.304	0	%100
17	M19	X	-.189	-.189	0	%100
18	M19	Z	-.328	-.328	0	%100
19	M20	X	-.189	-.189	0	%100
20	M20	Z	-.328	-.328	0	%100
21	M21	X	-.558	-.558	0	%100
22	M21	Z	-.966	-.966	0	%100
23	M22	X	-.558	-.558	0	%100
24	M22	Z	-.966	-.966	0	%100
25	M23	X	-.558	-.558	0	%100
26	M23	Z	-.966	-.966	0	%100
27	M24	X	-.558	-.558	0	%100
28	M24	Z	-.966	-.966	0	%100
29	M25	X	-1.084	-1.084	0	%100
30	M25	Z	-1.878	-1.878	0	%100
31	M26	X	-1.084	-1.084	0	%100
32	M26	Z	-1.878	-1.878	0	%100
33	M27	X	-.754	-.754	0	%100
34	M27	Z	-1.305	-1.305	0	%100
35	M28	X	-.754	-.754	0	%100
36	M28	Z	-1.305	-1.305	0	%100
37	MP4A	X	-1.755	-1.755	0	%100
38	MP4A	Z	-3.04	-3.04	0	%100
39	MP3A	X	-1.755	-1.755	0	%100
40	MP3A	Z	-3.04	-3.04	0	%100
41	MP2A	X	-1.755	-1.755	0	%100
42	MP2A	Z	-3.04	-3.04	0	%100
43	MP1A	X	-1.755	-1.755	0	%100
44	MP1A	Z	-3.04	-3.04	0	%100
45	M44	X	-.976	-.976	0	%100
46	M44	Z	-1.691	-1.691	0	%100
47	M45	X	-.976	-.976	0	%100
48	M45	Z	-1.691	-1.691	0	%100
49	M46	X	-.976	-.976	0	%100
50	M46	Z	-1.691	-1.691	0	%100
51	M47	X	-.976	-.976	0	%100
52	M47	Z	-1.691	-1.691	0	%100
53	M44A	X	-.759	-.759	0	%100
54	M44A	Z	-1.314	-1.314	0	%100
55	OVP1	X	-1.755	-1.755	0	%100
56	OVP1	Z	-3.04	-3.04	0	%100
57	M47C	X	-.759	-.759	0	%100
58	M47C	Z	-1.314	-1.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.772	-.772	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.772	-.772	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-.305	-.305	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.305	-.305	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.305	-.305	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.305	-.305	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-.168	-.168	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-.168	-.168	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-.168	-.168	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.168	-.168	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-.174	-.174	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-.174	-.174	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-.174	-.174	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-.174	-.174	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.638	-.638	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-.638	-.638	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-.638	-.638	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-.638	-.638	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-.168	-.168	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-.168	-.168	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-.168	-.168	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-.168	-.168	0	%100
53	M44A	X	0	0	0	%100
54	M44A	Z	-.024	-.024	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	-.638	-.638	0	%100
57	M47C	X	0	0	0	%100
58	M47C	Z	-.024	-.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.289	.289	0	%100
2	M1	Z	-.501	-.501	0	%100
3	M2	X	.289	.289	0	%100
4	M2	Z	-.501	-.501	0	%100
5	M13	X	.021	.021	0	%100
6	M13	Z	-.036	-.036	0	%100
7	M14	X	.021	.021	0	%100
8	M14	Z	-.036	-.036	0	%100
9	M15	X	.021	.021	0	%100
10	M15	Z	-.036	-.036	0	%100
11	M16	X	.021	.021	0	%100
12	M16	Z	-.036	-.036	0	%100
13	M17	X	.034	.034	0	%100
14	M17	Z	-.059	-.059	0	%100
15	M18	X	.034	.034	0	%100
16	M18	Z	-.059	-.059	0	%100
17	M19	X	.241	.241	0	%100
18	M19	Z	-.417	-.417	0	%100
19	M20	X	.241	.241	0	%100
20	M20	Z	-.417	-.417	0	%100
21	M21	X	.063	.063	0	%100
22	M21	Z	-.109	-.109	0	%100
23	M22	X	.063	.063	0	%100
24	M22	Z	-.109	-.109	0	%100
25	M23	X	.063	.063	0	%100
26	M23	Z	-.109	-.109	0	%100
27	M24	X	.063	.063	0	%100
28	M24	Z	-.109	-.109	0	%100
29	M25	X	.069	.069	0	%100
30	M25	Z	-.12	-.12	0	%100
31	M26	X	.069	.069	0	%100
32	M26	Z	-.12	-.12	0	%100
33	M27	X	.1	.1	0	%100
34	M27	Z	-.173	-.173	0	%100
35	M28	X	.1	.1	0	%100
36	M28	Z	-.173	-.173	0	%100
37	MP4A	X	.319	.319	0	%100
38	MP4A	Z	-.552	-.552	0	%100
39	MP3A	X	.319	.319	0	%100
40	MP3A	Z	-.552	-.552	0	%100
41	MP2A	X	.319	.319	0	%100
42	MP2A	Z	-.552	-.552	0	%100
43	MP1A	X	.319	.319	0	%100
44	MP1A	Z	-.552	-.552	0	%100
45	M44	X	.084	.084	0	%100
46	M44	Z	-.145	-.145	0	%100
47	M45	X	.084	.084	0	%100
48	M45	Z	-.145	-.145	0	%100
49	M46	X	.084	.084	0	%100
50	M46	Z	-.145	-.145	0	%100
51	M47	X	.084	.084	0	%100
52	M47	Z	-.145	-.145	0	%100
53	M44A	X	.034	.034	0	%100
54	M44A	Z	-.058	-.058	0	%100
55	OVP1	X	.319	.319	0	%100
56	OVP1	Z	-.552	-.552	0	%100
57	M47C	X	.034	.034	0	%100
58	M47C	Z	-.058	-.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.167	.167	0	%100
2	M1	Z	-.096	-.096	0	%100
3	M2	X	.167	.167	0	%100
4	M2	Z	-.096	-.096	0	%100
5	M13	X	.109	.109	0	%100
6	M13	Z	-.063	-.063	0	%100
7	M14	X	.109	.109	0	%100
8	M14	Z	-.063	-.063	0	%100
9	M15	X	.109	.109	0	%100
10	M15	Z	-.063	-.063	0	%100
11	M16	X	.109	.109	0	%100
12	M16	Z	-.063	-.063	0	%100
13	M17	X	.008	.008	0	%100
14	M17	Z	-.005	-.005	0	%100
15	M18	X	.008	.008	0	%100
16	M18	Z	-.005	-.005	0	%100
17	M19	X	.366	.366	0	%100
18	M19	Z	-.211	-.211	0	%100
19	M20	X	.366	.366	0	%100
20	M20	Z	-.211	-.211	0	%100
21	M21	X	.036	.036	0	%100
22	M21	Z	-.021	-.021	0	%100
23	M22	X	.036	.036	0	%100
24	M22	Z	-.021	-.021	0	%100
25	M23	X	.036	.036	0	%100
26	M23	Z	-.021	-.021	0	%100
27	M24	X	.036	.036	0	%100
28	M24	Z	-.021	-.021	0	%100
29	M25	X	.113	.113	0	%100
30	M25	Z	-.065	-.065	0	%100
31	M26	X	.113	.113	0	%100
32	M26	Z	-.065	-.065	0	%100
33	M27	X	.166	.166	0	%100
34	M27	Z	-.096	-.096	0	%100
35	M28	X	.166	.166	0	%100
36	M28	Z	-.096	-.096	0	%100
37	MP4A	X	.552	.552	0	%100
38	MP4A	Z	-.319	-.319	0	%100
39	MP3A	X	.552	.552	0	%100
40	MP3A	Z	-.319	-.319	0	%100
41	MP2A	X	.552	.552	0	%100
42	MP2A	Z	-.319	-.319	0	%100
43	MP1A	X	.552	.552	0	%100
44	MP1A	Z	-.319	-.319	0	%100
45	M44	X	.145	.145	0	%100
46	M44	Z	-.084	-.084	0	%100
47	M45	X	.145	.145	0	%100
48	M45	Z	-.084	-.084	0	%100
49	M46	X	.145	.145	0	%100
50	M46	Z	-.084	-.084	0	%100
51	M47	X	.145	.145	0	%100
52	M47	Z	-.084	-.084	0	%100
53	M44A	X	.314	.314	0	%100
54	M44A	Z	-.181	-.181	0	%100
55	OVP1	X	.552	.552	0	%100
56	OVP1	Z	-.319	-.319	0	%100
57	M47C	X	.314	.314	0	%100
58	M47C	Z	-.181	-.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	.168	.168	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	.168	.168	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	.168	.168	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	.168	.168	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.187	.187	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.187	.187	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.187	.187	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.187	.187	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.156	.156	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	.156	.156	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	.156	.156	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	.156	.156	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	.638	.638	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	.638	.638	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	.638	.638	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	.638	.638	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	.168	.168	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	.168	.168	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	.168	.168	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	.168	.168	0	%100
52	M47	Z	0	0	0	%100
53	M44A	X	.614	.614	0	%100
54	M44A	Z	0	0	0	%100
55	OVP1	X	.638	.638	0	%100
56	OVP1	Z	0	0	0	%100
57	M47C	X	.614	.614	0	%100
58	M47C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.167	.167	0	%100
2	M1	Z	.096	.096	0	%100
3	M2	X	.167	.167	0	%100
4	M2	Z	.096	.096	0	%100
5	M13	X	.109	.109	0	%100
6	M13	Z	.063	.063	0	%100
7	M14	X	.109	.109	0	%100
8	M14	Z	.063	.063	0	%100
9	M15	X	.109	.109	0	%100
10	M15	Z	.063	.063	0	%100
11	M16	X	.109	.109	0	%100
12	M16	Z	.063	.063	0	%100
13	M17	X	.366	.366	0	%100
14	M17	Z	.211	.211	0	%100
15	M18	X	.366	.366	0	%100
16	M18	Z	.211	.211	0	%100
17	M19	X	.008	.008	0	%100
18	M19	Z	.005	.005	0	%100
19	M20	X	.008	.008	0	%100
20	M20	Z	.005	.005	0	%100
21	M21	X	.036	.036	0	%100
22	M21	Z	.021	.021	0	%100
23	M22	X	.036	.036	0	%100
24	M22	Z	.021	.021	0	%100
25	M23	X	.036	.036	0	%100
26	M23	Z	.021	.021	0	%100
27	M24	X	.036	.036	0	%100
28	M24	Z	.021	.021	0	%100
29	M25	X	.166	.166	0	%100
30	M25	Z	.096	.096	0	%100
31	M26	X	.166	.166	0	%100
32	M26	Z	.096	.096	0	%100
33	M27	X	.113	.113	0	%100
34	M27	Z	.065	.065	0	%100
35	M28	X	.113	.113	0	%100
36	M28	Z	.065	.065	0	%100
37	MP4A	X	.552	.552	0	%100
38	MP4A	Z	.319	.319	0	%100
39	MP3A	X	.552	.552	0	%100
40	MP3A	Z	.319	.319	0	%100
41	MP2A	X	.552	.552	0	%100
42	MP2A	Z	.319	.319	0	%100
43	MP1A	X	.552	.552	0	%100
44	MP1A	Z	.319	.319	0	%100
45	M44	X	.145	.145	0	%100
46	M44	Z	.084	.084	0	%100
47	M45	X	.145	.145	0	%100
48	M45	Z	.084	.084	0	%100
49	M46	X	.145	.145	0	%100
50	M46	Z	.084	.084	0	%100
51	M47	X	.145	.145	0	%100
52	M47	Z	.084	.084	0	%100
53	M44A	X	.494	.494	0	%100
54	M44A	Z	.285	.285	0	%100
55	OVP1	X	.552	.552	0	%100
56	OVP1	Z	.319	.319	0	%100
57	M47C	X	.494	.494	0	%100
58	M47C	Z	.285	.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.289	.289	0	%100
2	M1	Z	.501	.501	0	%100
3	M2	X	.289	.289	0	%100
4	M2	Z	.501	.501	0	%100
5	M13	X	.021	.021	0	%100
6	M13	Z	.036	.036	0	%100
7	M14	X	.021	.021	0	%100
8	M14	Z	.036	.036	0	%100
9	M15	X	.021	.021	0	%100
10	M15	Z	.036	.036	0	%100
11	M16	X	.021	.021	0	%100
12	M16	Z	.036	.036	0	%100
13	M17	X	.241	.241	0	%100
14	M17	Z	.417	.417	0	%100
15	M18	X	.241	.241	0	%100
16	M18	Z	.417	.417	0	%100
17	M19	X	.034	.034	0	%100
18	M19	Z	.059	.059	0	%100
19	M20	X	.034	.034	0	%100
20	M20	Z	.059	.059	0	%100
21	M21	X	.063	.063	0	%100
22	M21	Z	.109	.109	0	%100
23	M22	X	.063	.063	0	%100
24	M22	Z	.109	.109	0	%100
25	M23	X	.063	.063	0	%100
26	M23	Z	.109	.109	0	%100
27	M24	X	.063	.063	0	%100
28	M24	Z	.109	.109	0	%100
29	M25	X	.1	.1	0	%100
30	M25	Z	.173	.173	0	%100
31	M26	X	.1	.1	0	%100
32	M26	Z	.173	.173	0	%100
33	M27	X	.069	.069	0	%100
34	M27	Z	.12	.12	0	%100
35	M28	X	.069	.069	0	%100
36	M28	Z	.12	.12	0	%100
37	MP4A	X	.319	.319	0	%100
38	MP4A	Z	.552	.552	0	%100
39	MP3A	X	.319	.319	0	%100
40	MP3A	Z	.552	.552	0	%100
41	MP2A	X	.319	.319	0	%100
42	MP2A	Z	.552	.552	0	%100
43	MP1A	X	.319	.319	0	%100
44	MP1A	Z	.552	.552	0	%100
45	M44	X	.084	.084	0	%100
46	M44	Z	.145	.145	0	%100
47	M45	X	.084	.084	0	%100
48	M45	Z	.145	.145	0	%100
49	M46	X	.084	.084	0	%100
50	M46	Z	.145	.145	0	%100
51	M47	X	.084	.084	0	%100
52	M47	Z	.145	.145	0	%100
53	M44A	X	.138	.138	0	%100
54	M44A	Z	.239	.239	0	%100
55	OVP1	X	.319	.319	0	%100
56	OVP1	Z	.552	.552	0	%100
57	M47C	X	.138	.138	0	%100
58	M47C	Z	.239	.239	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.772	.772	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.772	.772	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	.305	.305	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.305	.305	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.305	.305	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.305	.305	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	.168	.168	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	.168	.168	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.168	.168	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.168	.168	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	.174	.174	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.174	.174	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	.174	.174	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	.174	.174	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.638	.638	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	.638	.638	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	.638	.638	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	.638	.638	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	.168	.168	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	.168	.168	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	.168	.168	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	.168	.168	0	%100
53	M44A	X	0	0	0	%100
54	M44A	Z	.024	.024	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	.638	.638	0	%100
57	M47C	X	0	0	0	%100
58	M47C	Z	.024	.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.289	-.289	0	%100
2	M1	Z	.501	.501	0	%100
3	M2	X	-.289	-.289	0	%100
4	M2	Z	.501	.501	0	%100
5	M13	X	-.021	-.021	0	%100
6	M13	Z	.036	.036	0	%100
7	M14	X	-.021	-.021	0	%100
8	M14	Z	.036	.036	0	%100
9	M15	X	-.021	-.021	0	%100
10	M15	Z	.036	.036	0	%100
11	M16	X	-.021	-.021	0	%100
12	M16	Z	.036	.036	0	%100
13	M17	X	-.034	-.034	0	%100
14	M17	Z	.059	.059	0	%100
15	M18	X	-.034	-.034	0	%100
16	M18	Z	.059	.059	0	%100
17	M19	X	-.241	-.241	0	%100
18	M19	Z	.417	.417	0	%100
19	M20	X	-.241	-.241	0	%100
20	M20	Z	.417	.417	0	%100
21	M21	X	-.063	-.063	0	%100
22	M21	Z	.109	.109	0	%100
23	M22	X	-.063	-.063	0	%100
24	M22	Z	.109	.109	0	%100
25	M23	X	-.063	-.063	0	%100
26	M23	Z	.109	.109	0	%100
27	M24	X	-.063	-.063	0	%100
28	M24	Z	.109	.109	0	%100
29	M25	X	-.069	-.069	0	%100
30	M25	Z	.12	.12	0	%100
31	M26	X	-.069	-.069	0	%100
32	M26	Z	.12	.12	0	%100
33	M27	X	-.1	-.1	0	%100
34	M27	Z	.173	.173	0	%100
35	M28	X	-.1	-.1	0	%100
36	M28	Z	.173	.173	0	%100
37	MP4A	X	-.319	-.319	0	%100
38	MP4A	Z	.552	.552	0	%100
39	MP3A	X	-.319	-.319	0	%100
40	MP3A	Z	.552	.552	0	%100
41	MP2A	X	-.319	-.319	0	%100
42	MP2A	Z	.552	.552	0	%100
43	MP1A	X	-.319	-.319	0	%100
44	MP1A	Z	.552	.552	0	%100
45	M44	X	-.084	-.084	0	%100
46	M44	Z	.145	.145	0	%100
47	M45	X	-.084	-.084	0	%100
48	M45	Z	.145	.145	0	%100
49	M46	X	-.084	-.084	0	%100
50	M46	Z	.145	.145	0	%100
51	M47	X	-.084	-.084	0	%100
52	M47	Z	.145	.145	0	%100
53	M44A	X	-.034	-.034	0	%100
54	M44A	Z	.058	.058	0	%100
55	OVP1	X	-.319	-.319	0	%100
56	OVP1	Z	.552	.552	0	%100
57	M47C	X	-.034	-.034	0	%100
58	M47C	Z	.058	.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.167	-.167	0	%100
2	M1	Z	.096	.096	0	%100
3	M2	X	-.167	-.167	0	%100
4	M2	Z	.096	.096	0	%100
5	M13	X	-.109	-.109	0	%100
6	M13	Z	.063	.063	0	%100
7	M14	X	-.109	-.109	0	%100
8	M14	Z	.063	.063	0	%100
9	M15	X	-.109	-.109	0	%100
10	M15	Z	.063	.063	0	%100
11	M16	X	-.109	-.109	0	%100
12	M16	Z	.063	.063	0	%100
13	M17	X	-.008	-.008	0	%100
14	M17	Z	.005	.005	0	%100
15	M18	X	-.008	-.008	0	%100
16	M18	Z	.005	.005	0	%100
17	M19	X	-.366	-.366	0	%100
18	M19	Z	.211	.211	0	%100
19	M20	X	-.366	-.366	0	%100
20	M20	Z	.211	.211	0	%100
21	M21	X	-.036	-.036	0	%100
22	M21	Z	.021	.021	0	%100
23	M22	X	-.036	-.036	0	%100
24	M22	Z	.021	.021	0	%100
25	M23	X	-.036	-.036	0	%100
26	M23	Z	.021	.021	0	%100
27	M24	X	-.036	-.036	0	%100
28	M24	Z	.021	.021	0	%100
29	M25	X	-.113	-.113	0	%100
30	M25	Z	.065	.065	0	%100
31	M26	X	-.113	-.113	0	%100
32	M26	Z	.065	.065	0	%100
33	M27	X	-.166	-.166	0	%100
34	M27	Z	.096	.096	0	%100
35	M28	X	-.166	-.166	0	%100
36	M28	Z	.096	.096	0	%100
37	MP4A	X	-.552	-.552	0	%100
38	MP4A	Z	.319	.319	0	%100
39	MP3A	X	-.552	-.552	0	%100
40	MP3A	Z	.319	.319	0	%100
41	MP2A	X	-.552	-.552	0	%100
42	MP2A	Z	.319	.319	0	%100
43	MP1A	X	-.552	-.552	0	%100
44	MP1A	Z	.319	.319	0	%100
45	M44	X	-.145	-.145	0	%100
46	M44	Z	.084	.084	0	%100
47	M45	X	-.145	-.145	0	%100
48	M45	Z	.084	.084	0	%100
49	M46	X	-.145	-.145	0	%100
50	M46	Z	.084	.084	0	%100
51	M47	X	-.145	-.145	0	%100
52	M47	Z	.084	.084	0	%100
53	M44A	X	-.314	-.314	0	%100
54	M44A	Z	.181	.181	0	%100
55	OVP1	X	-.552	-.552	0	%100
56	OVP1	Z	.319	.319	0	%100
57	M47C	X	-.314	-.314	0	%100
58	M47C	Z	.181	.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-.168	-.168	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-.168	-.168	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-.168	-.168	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-.168	-.168	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-.187	-.187	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-.187	-.187	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.187	-.187	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.187	-.187	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.156	-.156	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-.156	-.156	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-.156	-.156	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-.156	-.156	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-.638	-.638	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-.638	-.638	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-.638	-.638	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-.638	-.638	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-.168	-.168	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-.168	-.168	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-.168	-.168	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-.168	-.168	0	%100
52	M47	Z	0	0	0	%100
53	M44A	X	-.614	-.614	0	%100
54	M44A	Z	0	0	0	%100
55	OVP1	X	-.638	-.638	0	%100
56	OVP1	Z	0	0	0	%100
57	M47C	X	-.614	-.614	0	%100
58	M47C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.167	-.167	0	%100
2	M1	Z	-.096	-.096	0	%100
3	M2	X	-.167	-.167	0	%100
4	M2	Z	-.096	-.096	0	%100
5	M13	X	-.109	-.109	0	%100
6	M13	Z	-.063	-.063	0	%100
7	M14	X	-.109	-.109	0	%100
8	M14	Z	-.063	-.063	0	%100
9	M15	X	-.109	-.109	0	%100
10	M15	Z	-.063	-.063	0	%100
11	M16	X	-.109	-.109	0	%100
12	M16	Z	-.063	-.063	0	%100
13	M17	X	-.366	-.366	0	%100
14	M17	Z	-.211	-.211	0	%100
15	M18	X	-.366	-.366	0	%100
16	M18	Z	-.211	-.211	0	%100
17	M19	X	-.008	-.008	0	%100
18	M19	Z	-.005	-.005	0	%100
19	M20	X	-.008	-.008	0	%100
20	M20	Z	-.005	-.005	0	%100
21	M21	X	-.036	-.036	0	%100
22	M21	Z	-.021	-.021	0	%100
23	M22	X	-.036	-.036	0	%100
24	M22	Z	-.021	-.021	0	%100
25	M23	X	-.036	-.036	0	%100
26	M23	Z	-.021	-.021	0	%100
27	M24	X	-.036	-.036	0	%100
28	M24	Z	-.021	-.021	0	%100
29	M25	X	-.166	-.166	0	%100
30	M25	Z	-.096	-.096	0	%100
31	M26	X	-.166	-.166	0	%100
32	M26	Z	-.096	-.096	0	%100
33	M27	X	-.113	-.113	0	%100
34	M27	Z	-.065	-.065	0	%100
35	M28	X	-.113	-.113	0	%100
36	M28	Z	-.065	-.065	0	%100
37	MP4A	X	-.552	-.552	0	%100
38	MP4A	Z	-.319	-.319	0	%100
39	MP3A	X	-.552	-.552	0	%100
40	MP3A	Z	-.319	-.319	0	%100
41	MP2A	X	-.552	-.552	0	%100
42	MP2A	Z	-.319	-.319	0	%100
43	MP1A	X	-.552	-.552	0	%100
44	MP1A	Z	-.319	-.319	0	%100
45	M44	X	-.145	-.145	0	%100
46	M44	Z	-.084	-.084	0	%100
47	M45	X	-.145	-.145	0	%100
48	M45	Z	-.084	-.084	0	%100
49	M46	X	-.145	-.145	0	%100
50	M46	Z	-.084	-.084	0	%100
51	M47	X	-.145	-.145	0	%100
52	M47	Z	-.084	-.084	0	%100
53	M44A	X	-.494	-.494	0	%100
54	M44A	Z	-.285	-.285	0	%100
55	OVP1	X	-.552	-.552	0	%100
56	OVP1	Z	-.319	-.319	0	%100
57	M47C	X	-.494	-.494	0	%100
58	M47C	Z	-.285	-.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.289	-.289	0	%100
2	M1	Z	-.501	-.501	0	%100
3	M2	X	-.289	-.289	0	%100
4	M2	Z	-.501	-.501	0	%100
5	M13	X	-.021	-.021	0	%100
6	M13	Z	-.036	-.036	0	%100
7	M14	X	-.021	-.021	0	%100
8	M14	Z	-.036	-.036	0	%100
9	M15	X	-.021	-.021	0	%100
10	M15	Z	-.036	-.036	0	%100
11	M16	X	-.021	-.021	0	%100
12	M16	Z	-.036	-.036	0	%100
13	M17	X	-.241	-.241	0	%100
14	M17	Z	-.417	-.417	0	%100
15	M18	X	-.241	-.241	0	%100
16	M18	Z	-.417	-.417	0	%100
17	M19	X	-.034	-.034	0	%100
18	M19	Z	-.059	-.059	0	%100
19	M20	X	-.034	-.034	0	%100
20	M20	Z	-.059	-.059	0	%100
21	M21	X	-.063	-.063	0	%100
22	M21	Z	-.109	-.109	0	%100
23	M22	X	-.063	-.063	0	%100
24	M22	Z	-.109	-.109	0	%100
25	M23	X	-.063	-.063	0	%100
26	M23	Z	-.109	-.109	0	%100
27	M24	X	-.063	-.063	0	%100
28	M24	Z	-.109	-.109	0	%100
29	M25	X	-.1	-.1	0	%100
30	M25	Z	-.173	-.173	0	%100
31	M26	X	-.1	-.1	0	%100
32	M26	Z	-.173	-.173	0	%100
33	M27	X	-.069	-.069	0	%100
34	M27	Z	-.12	-.12	0	%100
35	M28	X	-.069	-.069	0	%100
36	M28	Z	-.12	-.12	0	%100
37	MP4A	X	-.319	-.319	0	%100
38	MP4A	Z	-.552	-.552	0	%100
39	MP3A	X	-.319	-.319	0	%100
40	MP3A	Z	-.552	-.552	0	%100
41	MP2A	X	-.319	-.319	0	%100
42	MP2A	Z	-.552	-.552	0	%100
43	MP1A	X	-.319	-.319	0	%100
44	MP1A	Z	-.552	-.552	0	%100
45	M44	X	-.084	-.084	0	%100
46	M44	Z	-.145	-.145	0	%100
47	M45	X	-.084	-.084	0	%100
48	M45	Z	-.145	-.145	0	%100
49	M46	X	-.084	-.084	0	%100
50	M46	Z	-.145	-.145	0	%100
51	M47	X	-.084	-.084	0	%100
52	M47	Z	-.145	-.145	0	%100
53	M44A	X	-.138	-.138	0	%100
54	M44A	Z	-.239	-.239	0	%100
55	OVP1	X	-.319	-.319	0	%100
56	OVP1	Z	-.552	-.552	0	%100
57	M47C	X	-.138	-.138	0	%100
58	M47C	Z	-.239	-.239	0	%100

Member Area Loads

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

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE 2.5	.257	8.724	43	.101	8.724		7	14558.792	50715	3.596	3.596	2....	H1-1b
2	M2	PIPE 2.5	.286	3.255	7	.103	8.724		2	14558.792	50715	3.596	3.596	2....	H1-1b
3	M13	PL5/8X3.5	.152	.422	1	.190	0	y	7	66184.77	68906.25	.897	5.024	1....	H1-1b
4	M14	PL5/8X3.5	.118	0	50	.110	.422	y	2	66184.77	68906.25	.897	5.024	1....	H1-1b
5	M15	PL5/8X3.5	.253	0	44	.149	.422	y	12	66184.77	68906.25	.897	5.024	1....	H1-1b
6	M16	PL5/8X3.5	.204	0	12	.209	.422	y	6	66184.77	68906.25	.897	5.024	1....	H1-1b
7	M17	PIPE 2.0	.187	0	1	.043	0		18	31128.25	32130	1.872	1.872	2....	H1-1b
8	M18	PIPE 2.0	.108	0	2	.044	0		14	31128.25	32130	1.872	1.872	1....	H1-1b
9	M19	PIPE 2.0	.144	0	12	.089	0		45	31128.25	32130	1.872	1.872	1....	H1-1b
10	M20	PIPE 2.0	.212	0	6	.081	0		24	31128.25	32130	1.872	1.872	2....	H1-1b
11	M21	PL5/8X3.5	.200	.531	50	.068	0	y	1	67591.76	68906.25	.897	5.024	1....	H1-1b
12	M22	PL5/8X3.5	.426	.531	43	.106	.531	y	6	67591.76	68906.25	.897	5.024	1....	H1-1b
13	M23	PL5/8X3.5	.227	.531	14	.048	.531	y	1	67591.76	68906.25	.897	5.024	1....	H1-1b
14	M24	PL5/8X3.5	.433	.531	48	.064	.531	y	1	67591.76	68906.25	.897	5.024	1....	H1-1b
15	M25	SR 0.75	.003	4.167	45	.011	4.167		2	2863.936	13916.259	.174	.174	1....	H1-1b*
16	M26	SR 0.75	.042	0	50	.014	0		3	2863.936	13916.259	.174	.174	1....	H1-1b*
17	M27	SR 0.75	.000	0	75	.016	4.167		8	2863.936	13916.259	.174	.174	1....	H1-1a
18	M28	SR 0.75	.085	4.167	44	.020	0		12	2863.936	13916.259	.174	.174	1....	H1-1b*
19	MP4A	PIPE 2.0	.220	5.667	50	.049	2.333		9	14916.096	32130	1.872	1.872	4....	H1-1b
20	MP3A	PIPE 2.0	.172	2.333	9	.060	2.333		11	14916.096	32130	1.872	1.872	3....	H1-1b
21	MP2A	PIPE 2.0	.218	2.333	2	.081	5.667		3	14916.096	32130	1.872	1.872	2....	H1-1b
22	MP1A	PIPE 2.0	.397	2.333	39	.051	4.583		39	14916.096	32130	1.872	1.872	4....	H1-1b
23	M44	SR 0.625	.094	0	1	.021	0		8	2158.269	9664.074	.101	.101	1	H1-1b*
24	M45	SR 0.625	.051	1.667	8	.017	0		11	2158.269	9664.074	.101	.101	1....	H1-1b
25	M46	SR 0.625	.063	1.667	6	.018	0		5	2158.269	9664.074	.101	.101	1....	H1-1b
26	M47	SR 0.625	.095	0	2	.016	0		8	2158.269	9664.074	.101	.101	1....	H1-1b*
27	M44A	PIPE 2.0	.038	3.112	3	.002	0		11	28606.89	32130	1.872	1.872	1....	H1-1b*
28	OVP1	PIPE 2.0	.058	1.51	6	.063	.677		3	23808.54	32130	1.872	1.872	1....	H1-1b
29	M47C	PIPE 2.0	.115	8.678	1	.005	8.678		11	13026.116	32130	1.872	1.872	1....	H1-1b*

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N35	max	1482.084	46	1110.707	22	1582.758	1	-.143	67	0	75	.287	45
2		min	-440.854	4	343.894	65	-511.737	7	-.472	13	0	1	-.065	50
3	N36	max	1093.904	12	1104.931	20	-28.51	11	-.137	67	0	75	.278	45
4		min	-1629.439	6	338.766	66	-1307.722	17	-.451	23	0	1	-.064	50
5	N70A	max	711.073	9	56.609	3	828.798	3	0	75	0	75	0	75
6		min	-700.88	3	-44.146	9	-840.63	9	0	1	0	1	0	1
7	N72A	max	997.269	7	43.132	1	1160.91	1	0	75	0	75	0	75
8		min	-950.608	1	-8.364	7	-1219.693	7	0	1	0	1	0	1
9	Totals:	max	1667.762	10	2248.439	21	2435.548	1						
10		min	-1667.762	4	702.254	65	-2435.549	7						

VzW SMART Tool© Vendor

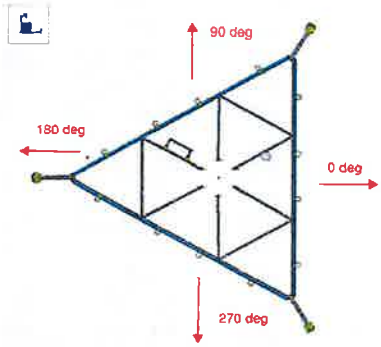
Client:	Verizon Wireless	Date:	8/18/2023
Site Name:	Bailey Pond CT		
MDG #:	5000244028		
Fuze ID #:	17136831	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required — Yes

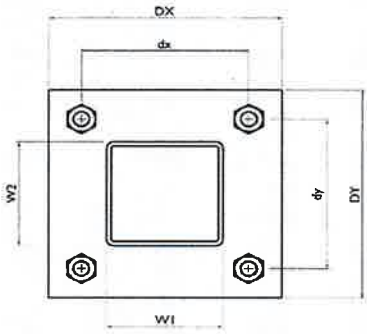
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N35	0
N36	0



Tower Connection Bolt Checks — Yes

Bolt Orientation — Parallel

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	9.5
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	3.5
Bolt Type:	A307
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	0.8
Required Shear Strength / bolt (kips):	0.6
Tensile Capacity / bolt (kips):	10.4
Shear Capacity / bolt (kips):	6.2
Bolt Overall Utilization:	**10.4%**



Tower Connection Baseplate Checks — No

ATTACHMENT 4


052/001-00/0000
2587 ac
043/008-00/0030
53 ac
043/009-00/0000
0.31 ac
409 ft
043/006-00/0111
2 ac
043/005-00/0497
28 ac
Ekonk Hill Rd
49
043/004-00/0463
1.6 ac
043/003-00/0453
2.39 ac
043/010-00/0524
39.9 ac
043/001-00/0437
4.56 ac
043/002-00/0447
0.86 ac

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2020.

Voluntown Town Hall

115 Main Street, Voluntown CT

Information on the Property Records for the Municipality of Voluntown was last updated on 9/7/2023.

Parcel Information

Location:	111 STONE HILL RD	Property Use:	Residential	Primary Use:	Residential
Unique ID:	RP-00696	Map Block Lot:	043 006-00 0111	Acres:	2.0000
490 Acres:	0.00	Zone:	VD	Volume / Page:	0060/0733
Developers Map / Lot:		Census:	7081		

Value Information

	Appraised Value	Assessed Value
Land	55,480	38,830
Buildings	120,450	84,320
Detached Outbuildings	0	0
Total	175,930	123,150

Owner's Information

Owner's Data

SWEET THOMAS M & PATRICIA A
497 EKONK HILL RD
VOLUNTOWN, CT 06384

ATTACHMENT 5

Verizon/Bailey Pond

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 09/11/2023 US POSTAGE $003.19⁰ ZIP 06103 041L12203937

Postmaster, per *(name of receiving employee)*

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Tracey Hanson, First Selectman Town of Voluntown 115 Main Street Voluntown, CT 06384				
2.	John Guszkowski, Consulting Planning and Development Director Town of Voluntown 115 Main Street Voluntown, CT 06384				
3.	Thomas and Patricia Sweet 497 Ekank Hill Road Voluntown, CT 06384				
4.					
5.					
6.					

OLD STATE HOUSE STATION SEP 11 2023 USPS

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See Reverse for Instructions