Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts and New York

August 7, 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**
63 Industrial Park Road, Putnam, 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. Cellco's facility was approved by the Siting Council ("Council") in May of 2002 (PE1133-VER-20150617). A copy of the Council's shared use approval is included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("Filters") on Cellco's 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 Putnam'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 modifications 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:
Barney Seney, Mayor
Bruce Fitzback, Land Use Agent
DMV Putnam, Property Owner
Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

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

August 5, 2015

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

RE: **PE1133-VER-20150618** – Cellco Partnership d/b/a Verizon Wireless sub-petition for a declaratory ruling for approval of an eligible facility request for modifications to an existing telecommunications facility located at 63 Industrial Park Road, Putnam, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby approves your Eligible Facilities Request (EFR) to install antennas and associated equipment at the above-referenced facility pursuant to the Federal Communications Commission Wireless Infrastructure Report and Order, with the following conditions:

- The proposed coax lines and remote radio heads shall be installed in accordance with the structural analysis report performed by FDH Engineering, Inc. dated September 24, 2014 and stamped by Dennis Abel;
- Within 45 days following completion of the equipment installation, Cellco shall provide documentation that its installation complied with the recommendations of the structural analysis;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;
- The validity of this action shall expire one year from the date of this letter; and
- The petitioner may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the EFR received on June 18, 2015.

Thank you for your attention and cooperation.

Very truly yours,

Melanie Bachman
Acting Executive Director

MB/MP

c: Honorable Anthony Falzarano, Mayor, Town of Putnam
Douglas Cutler, Town Administrator, Town of Putnam
Gerard Cotnoir, Sr., Planning Chairman, Town of Putnam

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The BSF0020 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the BSF0020 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the BSF0020 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

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

TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	

ELECTRICAL	
Impedance	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

DC / AISG	
Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

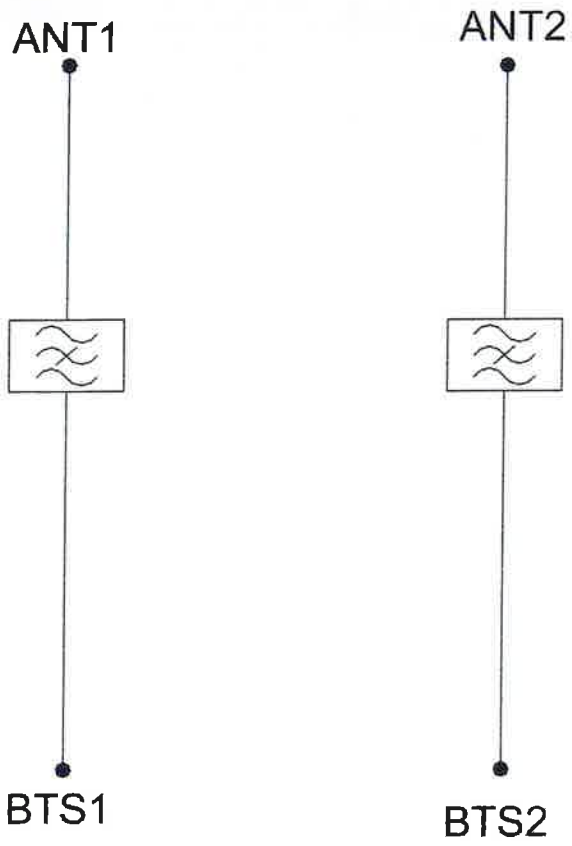
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

ORDERING INFORMATION

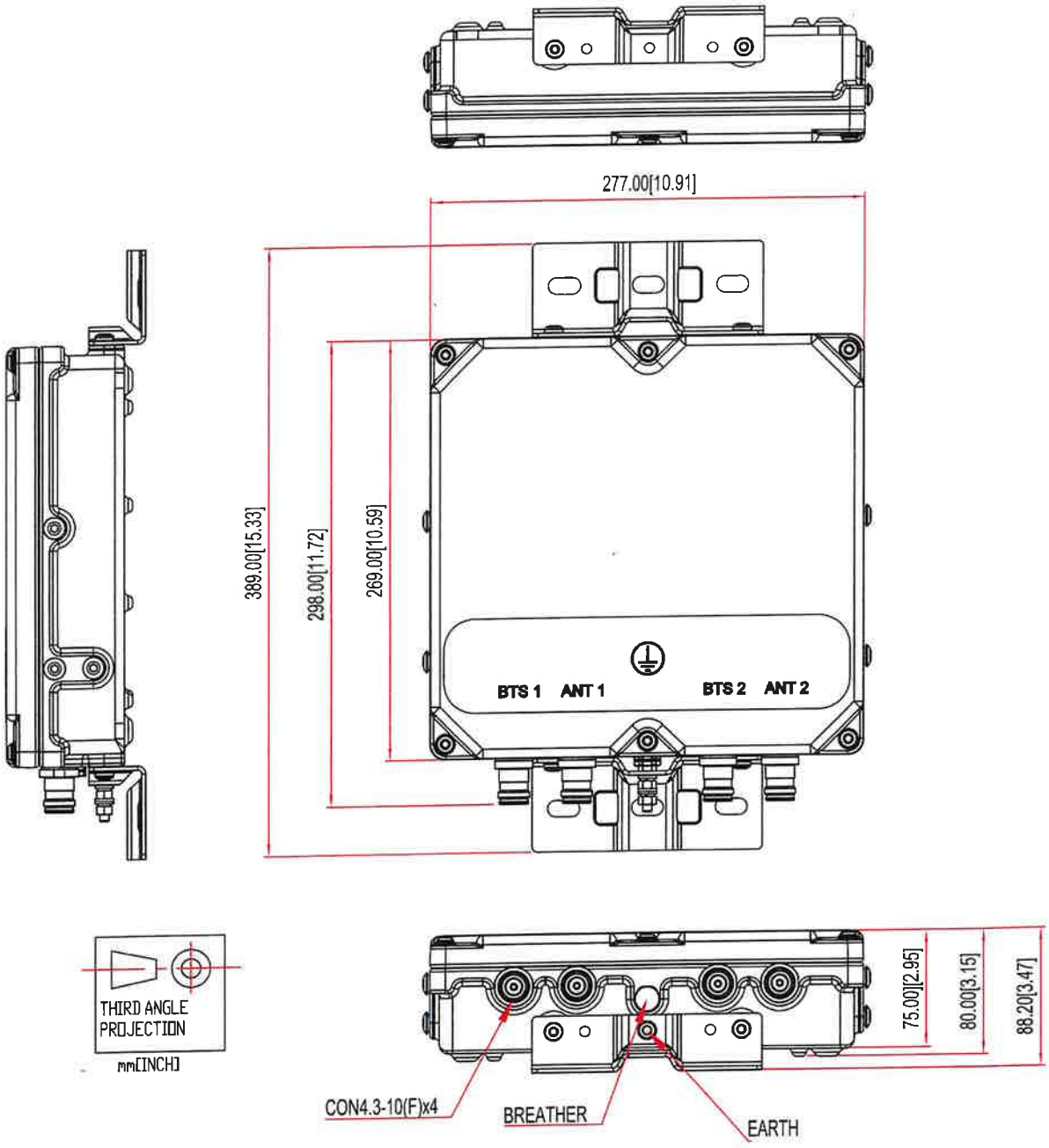
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

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

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



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

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: 5000242993 / Putnam South CT
Application #: 232409, v3

SBA Site ID / Name: CT00802-S / Putnam Freight

196' Self Supporting Tower

63 Industrial Park Road
Putnam, Connecticut 06260
Lat: 41.897142, Long: -71.892247

Project number: CT00802-VZW-070523

Analysis Results

Tower	74.7%	Pass
Foundation	82.5%	Pass

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

Prepared by:

Mojdeh Sadeghzadeh
Structural Engineer I
214-570-8110 ext. 2610
MSadeghzadeh@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
(561) 981-7390
SShanubhogue@sbasite.com

July 11, 2023

STATE OF CONNECTICUT
ANANTHA B SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

07/11/23

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 196' 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 drawings	Sabre, Job No.99-04060, dated 04/21/1999.
Foundation drawing	N/A
Geotechnical report	N/A
Modification drawings	N/A
Mount Analysis	Maser Consulting, Project No. 20777647A, dated 04/22/2021.
Latest SA Report	TES, Project No. 132046, dated 07/27/2022.

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut / Windham / Putnam
Governing Codes	ANSI/TIA-222-H, 2021 IBC, 2022 Connecticut State Building Code
Basic wind speed (3-Sec gust)	121.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1 in
Risk Category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft.
Ground Elevation	268.95 ft.
Seismic Parameter S_s	0.184
Seismic Parameter S_1	0.055

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

Mount Elev. (ft)	CL Elev. (ft)	Type	Qty	Manufacturer	Model	Feed Line Size	Mount Type Qty.	Carrier
196	196	-	-	-	-	-	(3) Abandoned Sector Frames w/ Pipes	-
186	186	Panel	3	Kathrein	800-10966	(12) 1 5/8" Coax (1) 3" Conduit (6) 3/4" DC* (2) 5/8" Fiber*	(3) Sector Frames Commoscope MTC3615 W/Mods [(3) Pipe Mast, (6) Steel Angle Brace (3"x3"x3") & (3)Pipe Brace]	AT&T
		Panel	3	Cci	TPA65R-BU8D			
		Panel	3	Powerwave	7770			
		TMA	6	Powerwave	LGP21401			
		TMA	6	Powerwave	21401			
		RRU	3	Ericsson	RRUS 8843 B2 B66A			
		RRU	3	Ericsson	RRUS 4415 B30			
		RRU	3	Ericsson	RRUS 12			
		RRU	3	Ericsson	RRUS 4478 B14			
		RRU	3	Ericsson	4449 B5, B12			
		RRU	3	Ericsson	RRUS A2			
		OVP	2	Raycap	DC6-48-60-18-8F			
176	176	Panel	6	Commscope	JAHH-65B-R3B	(10) 1 5/8" (2) 1 5/8" Hybrid	(3) Sector Frames w/ Mods+ (3) CommScope BSAMNTSBS-2-2	Verizon
		Panel	3	Samsung	MT6407-77A			
		Diplexer	3	Commscope	CBC78T-DS-43-2X			
		RRU	3	Samsung	B2/B66A			
		RRU	3	Samsung	B5/B13			
		Surge	2	RFS	DB-T1-6Z-8AB-0Z			
166	166	Panel	3	Commscope	FFVV-65B-R2	(1) 1.75" Hybrid	(3) Sector Frames [Commscope MTC3975083]	Dish Wireless
		RRU	3	Fujitsu	TA08025-B604			
		RRU	3	Fujitsu	TA08025-B605			
		OVP	1	Raycap	RDIDC-9181-PF-48			

*Routed outside the 3" Conduit.

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232409, v3 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Mount Elev. (ft)	CL Elev. (ft)	Type	Qty	Manufacturer	Model	Feed Line Size	Mount Type Qty.	Carrier
176	176	Panel	6	Commscope	JAHH-65B-R3B	(10) 1 5/8" (2) 1 5/8" Hybrid	(3) Sector Frames w/ Mods+ (3) CommScope BSAMNTSBS-2-2	Verizon
		Panel	3	Samsung	MT6407-77A			
		Diplexer	3	Commscope	CBC78T-DS-43-2X			
		RRU	3	Samsung	B2/B66A			
		RRU	3	Samsung	B5/B13			
		Surge	2	RFS	DB-T1-6Z-8AB-0Z			
		Filter	2	Kaelus	BSF0020F3V1-1			

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

Structural Component	% Capacity	Analysis Result
Leg	61.2	Pass
Diagonal	74.7	Pass
Horizontal	45.8	Pass
Top girt	5.7	Pass
Bolt	73.0	Pass
Anchor Bolt	55.1	Pass

Foundation

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

Table 6 Foundation Reaction Comparison Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	82.5	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***acceptable*** 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:

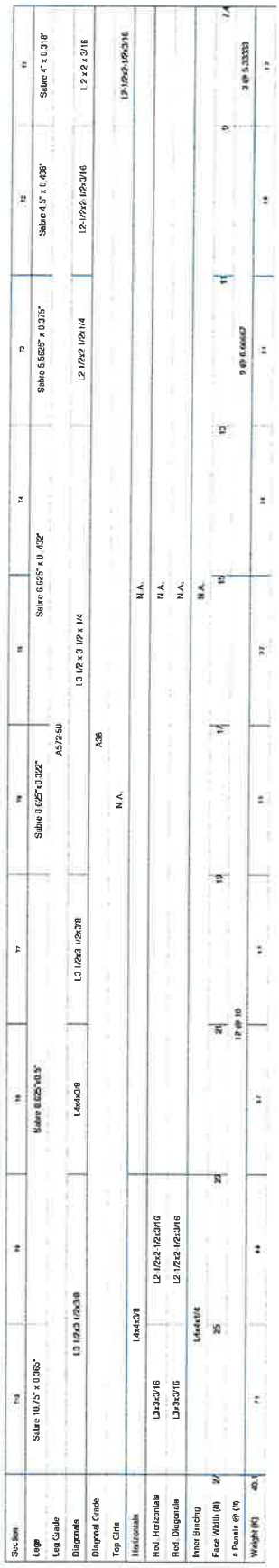
- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated 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



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Abandoned T-Frame	196	MT6407-77A w/mount pipe (35.12x16.06x5.51)	176
Abandoned T-Frame	196	MT6407-77A w/mount pipe (35.12x16.06x5.51)	176
Abandoned T-Frame	196	MT6407-77A w/mount pipe (35.12x16.06x5.51)	176
(4) Empty Pipe Mount	196	CBC78T-DS-2XW14F05P50 (6.4x6.9x0.6)	176
(4) Empty Pipe Mount	196	CBC78T-DS-2XW14F05P50 (6.4x6.9x0.6)	176
(4) Empty Pipe Mount	196	CBC78T-DS-2XW14F05P50 (6.4x6.9x0.6)	176
SL1	196	B2/B66A (15x15x10)	176
800 10966 w/mount pipe (96x20x6.9)	196	B2/B66A (15x15x10)	176
800 10966 w/mount pipe (96x20x6.9)	196	B2/B66A (15x15x10)	176
TPA65R-BU8D w/mount pipe (96x20.7x7.7)	196	B13/B5 RRH (15x15x8.1)	176
TPA65R-BU8D w/mount pipe (96x20.7x7.7)	196	B13/B5 RRH (15x15x8.1)	176
TPA65R-BU8D w/mount pipe (96x20.7x7.7)	196	B13/B5 RRH (15x15x8.1)	176
7770 w/mount pipe (55x11x5)	196	DB-B1 / DB-T1 (24x24x10)	176
7770 w/mount pipe (55x11x5)	196	DB-B1 / DB-T1 (24x24x10)	176
7770 w/mount pipe (55x11x5)	196	BSF0029F3V1-1 (10.6" x 10.9" x 3.15")	176
(2) LGP21401 (14x7x2.7)	196	BSF0029F3V1-1 (10.6" x 10.9" x 3.15")	176
(2) LGP21401 (14x7x2.7)	196	BSAMNT-SBS-2-2	176
(2) LGP21401 (14x7x2.7)	196	BSAMNT-SBS-2-2	176
(2) 21401 TMA (14x9x2.7)	196	BSAMNT-SBS-2-2	176
(2) 21401 TMA (14x9x2.7)	196	Sector Frame	176
(2) 21401 TMA (14x9x2.7)	196	Sector Frame	176
8843 B2 / B66 (14.9x13.2x10.9)	196	Sector Frame	176
8843 B2 / B66 (14.9x13.2x10.9)	196	(3) 6" Empty Pipe	176
8843 B2 / B66 (14.9x13.2x10.9)	196	(2) 6" Empty Pipe	176
4415 B30 (16.5x13.4x5.9)	196	(3) 6" Empty Pipe	176
4415 B30 (16.5x13.4x5.9)	196	Mount Mod	176
4415 B30 (16.5x13.4x5.9)	196	Mount Mod	176
RRUS 12 (20.4x18.5x7.5)	196	Mount Mod	176
RRUS 12 (20.4x18.5x7.5)	196	(2) JAHH-65B R3B w/mount pipe (72x13.8x8.2)	176
RRUS 12 (20.4x18.5x7.5)	196	(2) JAHH-65B R3B w/mount pipe (72x13.8x8.2)	176
4478 B14 (18.1x13.4x9.25)	196	FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	166
4478 B14 (18.1x13.4x9.25)	196	TA08025-B604 (15.75x14.96x7.87)	166
4478 B14 (18.1x13.4x9.25)	196	TA08025-B604 (15.75x14.96x7.87)	166
4449 B5/B12 (17.9x13.19x9.44)	196	TA08025-B604 (15.75x14.96x7.87)	166
4449 B5/B12 (17.9x13.19x9.44)	196	TA08025-B605 (15.75x14.96x9.05)	166
4449 B5/B12 (17.9x13.19x9.44)	196	TA08025-B605 (15.75x14.96x9.05)	166
RRUS A2 (16.4x15.2x5.4)	196	TA08025-B605 (15.75x14.96x9.05)	166
RRUS A2 (16.4x15.2x5.4)	196	RDIDC-9181-PF-48 (16.57x14.57x0.46)	166
RRUS A2 (16.4x15.2x5.4)	196	(MTC3975083) Sector Frame	166
DC6-48-60-18-8F (24x11x18.5)	196	(MTC3975083) Sector Frame	166
DC6-48-60-18-8F (24x11x18.5)	196	(MTC3975083) Sector Frame	166
Commscope MTC3615	196	FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	166
Commscope MTC3615	196	FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	166
Commscope MTC3615	196	SL3	160
Mount Mods	196	SL4	140
Empty Pipe Mount	196	SL5	120
Empty Pipe Mount	196	SL6	100
Empty Pipe Mount	196	SL7	80
800 10966 w/mount pipe (96x20x6.9)	196	SL8	60
SL2	180	SL9	40
(2) JAHH-65B-R3B w/mount pipe (72x13.8x8.2)	176	SL10	20

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Windham County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 121 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 74.7%

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 339 K
SHEAR: 39 K

UPLIFT: -274 K
SHEAR: 32 K

AXIAL 82 K
SHEAR 4 K / *MOMENT 649 kip-ft*

TORQUE 0 kip-ft
SEISMIC

AXIAL 143 K
SHEAR 16 K / *MOMENT 1962 kip-ft*

TORQUE 14 kip-ft
50 mph WIND - 1.0000 in ICE

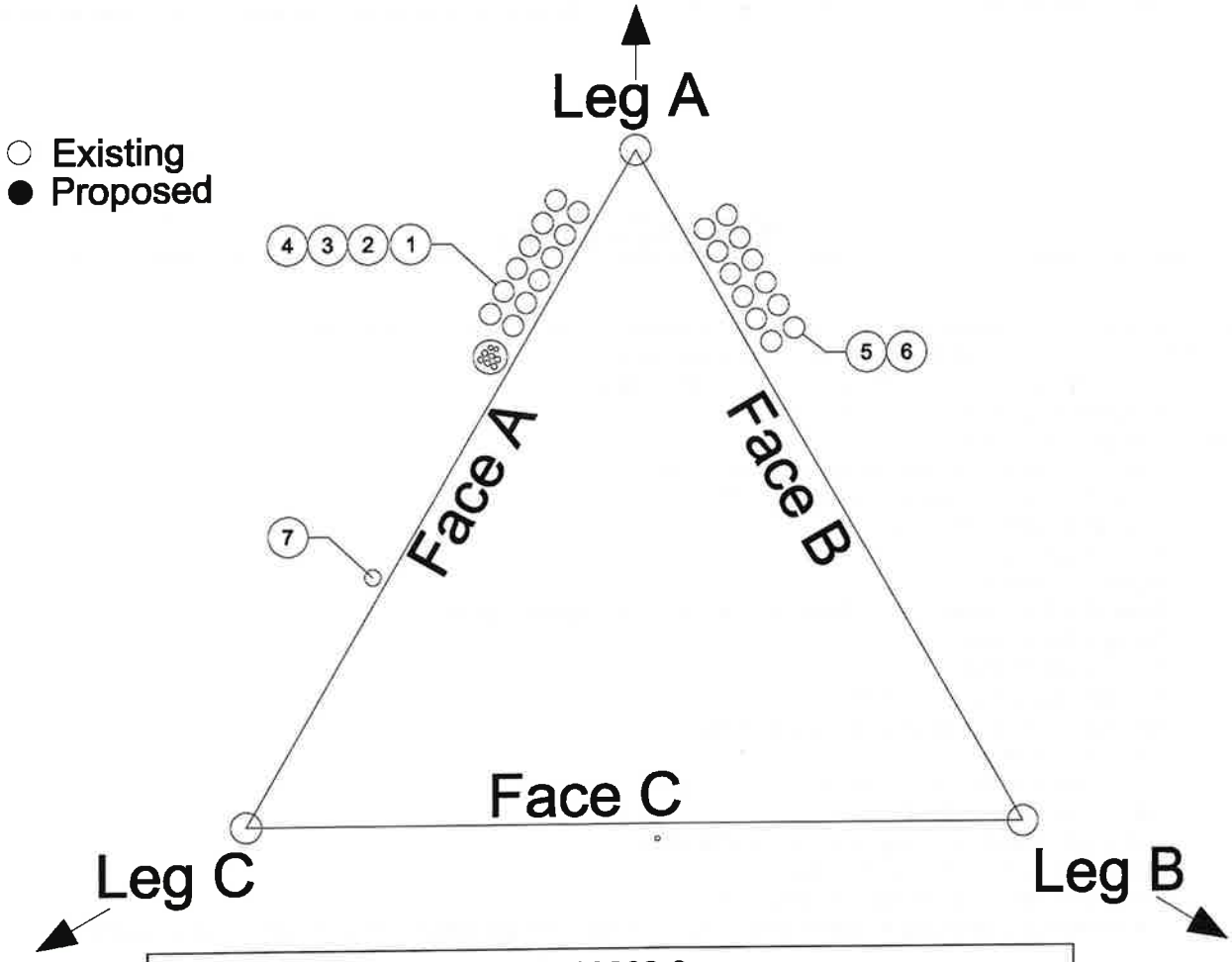
AXIAL 79 K
SHEAR 63 K / *MOMENT 7321 kip-ft*

TORQUE 53 kip-ft
REACTIONS - 121 mph WIND

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

Job:	
Project:	CT00802-VZW-070523
Client:	Drawn by: MSadeghzadeh / App'd:
Code: TIA-222-H	Date: 07/11/23 / Scale: NTS
Path:	Dwg No. E-1

Coax Layout



CT00802-S					
#	CARRIER	SIZE	QTY.	ELEVATION	NOTES
1	AT&T	1-5/8"	12	186'	Coax
2		3"	1		Conduit
3		3/4"	6		DC
4		5/8"	2		Fiber
5	Verizon	1-5/8"	10	176'	Coax
6		1-5/8"	2		Hybrid
7	Dish Wireless	1.75"	1	166'	Hybrid

tnxTower	Job	Page
SBA Communications Corporation 8051 Congress Avenue Boca Raton, FL 33487-1307 Phone: FAX:	Project CT00802-VZW-070523	1 of 29 Date 10:42:00 07/11/23
	Client	Designed by MSadeghzadeh

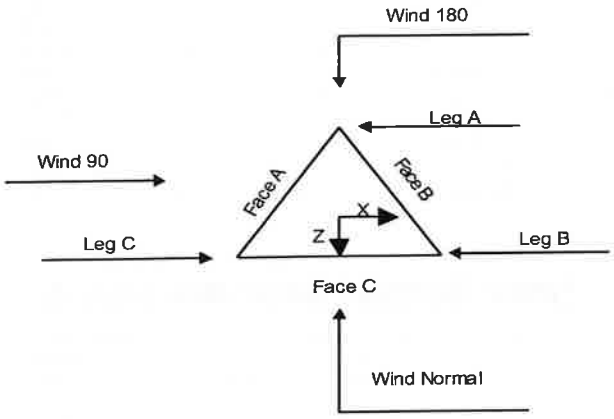
Tower Input Data

The main tower is a 3x free standing tower with an overall height of 196.00 ft above the ground line.
The base of the tower is set at an elevation of 0.00 ft above the ground line.
The face width of the tower is 7.40 ft at the top and 27.00 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in Windham County, Connecticut.
Tower base elevation above sea level: 268.95 ft.
Basic wind speed of 121 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Pressures are calculated at each section.
Stress ratio used in tower member design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	196.00-180.00			7.40	1	16.00
T2	180.00-160.00			9.00	1	20.00
T3	160.00-140.00			11.00	1	20.00
T4	140.00-120.00			13.00	1	20.00
T5	120.00-100.00			15.00	1	20.00
T6	100.00-80.00			17.00	1	20.00
T7	80.00-60.00			19.00	1	20.00
T8	60.00-40.00			21.00	1	20.00
T9	40.00-20.00			23.00	1	20.00
T10	20.00-0.00			25.00	1	20.00

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	196.00-180.00	5.33	X Brace	No	No	0.0000	0.0000

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T2	180.00-160.00	6.67	X Brace	No	No	0.0000	0.0000
T3	160.00-140.00	6.67	X Brace	No	No	0.0000	0.0000
T4	140.00-120.00	6.67	X Brace	No	No	0.0000	0.0000
T5	120.00-100.00	10.00	X Brace	No	No	0.0000	0.0000
T6	100.00-80.00	10.00	X Brace	No	No	0.0000	0.0000
T7	80.00-60.00	10.00	X Brace	No	No	0.0000	0.0000
T8	60.00-40.00	10.00	X Brace	No	No	0.0000	0.0000
T9	40.00-20.00	10.00	K1 Down	No	Yes	0.0000	0.0000
T10	20.00-0.00	10.00	K1 Down	No	Yes	0.0000	0.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 196.00-180.00	Pipe	Sabre 4" x 0.318"	A572-50 (50 ksi)	Equal Angle	L 2 x 2 x 3/16	A36 (36 ksi)
T2 180.00-160.00	Pipe	Sabre 4.5" x 0.438"	A572-50 (50 ksi)	Equal Angle	L2-1/2x2-1/2x3/16	A36 (36 ksi)
T3 160.00-140.00	Pipe	Sabre 5.5625" x 0.375"	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T4 140.00-120.00	Pipe	Sabre 6.625" x 0 .432"	A572-50 (50 ksi)	Equal Angle	L3 1/2 x 3 1/2 x 1/4	A36 (36 ksi)
T5 120.00-100.00	Pipe	Sabre 6.625" x 0 .432"	A572-50 (50 ksi)	Equal Angle	L3 1/2 x 3 1/2 x 1/4	A36 (36 ksi)
T6 100.00-80.00	Pipe	Sabre 8.625"x0.322"	A572-50 (50 ksi)	Equal Angle	L3 1/2 x 3 1/2 x 1/4	A36 (36 ksi)
T7 80.00-60.00	Pipe	Sabre 8.625"x0.5"	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x3/8	A36 (36 ksi)
T8 60.00-40.00	Pipe	Sabre 8.625"x0.5"	A572-50 (50 ksi)	Equal Angle	L4x4x3/8	A36 (36 ksi)
T9 40.00-20.00	Pipe	Sabre 8.625"x0.5"	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x3/8	A36 (36 ksi)
T10 20.00-0.00	Pipe	Sabre 10.75" x 0.365"	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x3/8	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 196.00-180.00	Equal Angle	L2-1/2x2-1/2x3/16	A36 (36 ksi)	Solid Round		A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
ft							
T9 40.00-20.00	None	Flat Bar		A36 (36 ksi)	Equal Angle	L4x4x3/8	A36 (36 ksi)
T10 20.00-0.00	None	Flat Bar		A36 (36 ksi)	Equal Angle	L4x4x3/8	A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
ft						
T9 40.00-20.00	Solid Round		A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A36 (36 ksi)
T10 20.00-0.00	Solid Round		A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	Redundant Bracing Grade		Redundant Type	Redundant Size	K Factor
ft					
T9 40.00-20.00	A36 (36 ksi)	Horizontal (1)	Equal Angle	L2-1/2x2-1/2x3/16	1
		Diagonal (1)	Equal Angle	L2-1/2x2-1/2x3/16	1
T10 20.00-0.00	A36 (36 ksi)	Horizontal (1)	Equal Angle	L3x3x3/16	1
		Diagonal (1)	Equal Angle	L3x3x3/16	1

Tower Section Geometry (cont'd)

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft^2	in					in	in	in
T1 196.00-180.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T2 180.00-160.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T3 160.00-140.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft^2	in					in	in	in
T4 140.00-120.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T5 120.00-100.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T6 100.00-80.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T7 80.00-60.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T8 60.00-40.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T9 40.00-20.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T10 20.00-0.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000

Tower Section Geometry *(cont'd)*

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors[1]							
			Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.	Inner Brace
ft				X Y	X Y	X Y	X Y	X Y	X Y	X Y
T1 196.00-180.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T2 180.00-160.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T3 160.00-140.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T4 140.00-120.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T5 120.00-100.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T6 100.00-80.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T7 80.00-60.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T8 60.00-40.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T9 40.00-20.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T10 20.00-0.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

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

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 196.00-180.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 180.00-160.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 160.00-140.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 140.00-120.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 120.00-100.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 100.00-80.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 80.00-60.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.00-40.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.00-20.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.00-0.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 196.00-180.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 180.00-160.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 160.00-140.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 140.00-120.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 120.00-100.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 100.00-80.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 80.00-60.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.00-40.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.00-20.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.00-0.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 196.00-180.00	Flange	1.0000 A325X	4	0.6250 A325X	1	0.6250 A325X	1	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T2 180.00-160.00	Flange	1.2500 A325X>1"	4	0.6250 A325X	1	0.6250 A325X	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T3 160.00-140.00	Flange	1.2500 A325X>1"	4	0.6250 A325X	1	0.6250 A325X	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T4 140.00-120.00	Flange	1.2500 A325X>1"	6	0.7500 A325X	1	0.6250 A325X	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T5 120.00-100.00	Flange	1.2500 A325X>1"	6	0.7500 A325X	1	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T6 100.00-80.00	Flange	1.3750 A325X>1"	6	0.7500 A325X	1	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T7 80.00-60.00	Flange	1.3750 A325X>1"	6	0.7500 A325X	1	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T8 60.00-40.00	Flange	1.3750 A325X>1"	6	0.7500 A325X	1	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0
T9 40.00-20.00	Flange	1.3750 A325X>1"	6	0.6250 A325X	2	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325N	0	0.7500 A325X	0	0.6250 A325N	0
T10 20.00-0.00	Flange	1.5000 A325X>1"	0	0.6250 A325X	2	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325N	0	0.7500 A325X	0	0.6250 A325N	0

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Safety Line 3/8	C	No	No	Ar (CaAa)	196.00 - 8.00	0.0000	-0.45	1	1	0.3750	0.3750		0.22
Climbing Ladder	C	No	No	Af (CaAa)	196.00 - 8.00	0.0000	-0.44	1	1	1.5000	1.5000		7.90
Empty Feedline Ladder (Af) ***	C	No	No	Af (CaAa)	196.00 - 8.00	0.0000	-0.44	1	1	0.2500	3.0000		8.40
1 5/8" Coax	A	No	No	Ar (CaAa)	186.00 - 8.00	0.0000	-0.4	12	6	0.5000	1.9800		1.04
3" Conduit	A	No	No	Ar (CaAa)	186.00 - 8.00	0.0000	-0.4	1	1	0.5000	3.0000		2.80
5/8" Fiber	A	No	No	Ar (CaAa)	186.00 - 8.00	0.0000	-0.36	2	2	0.5000	0.6250		0.15
3/4" DC	A	No	No	Ar (CaAa)	186.00 - 8.00	0.0000	-0.35	6	6	0.5000	0.7500		0.33
Feedline Ladder (Af) ***	A	No	No	Af (CaAa)	196.00 - 8.00	0.0000	-0.4	1	1	0.2500	3.0000		8.40
1-5/8" Coax	B	No	No	Ar (CaAa)	176.00 - 8.00	0.0000	0.45	10	5	0.5000	1.9800		1.04
1 5/8" Hybrid	B	No	No	Ar (CaAa)	176.00 - 8.00	0.0000	0.43	2	2	0.5000	1.6250		2.80

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Feedline Ladder (Af) ***	B	No	No	Af (CaAa)	176.00 - 8.00	0.0000	0.45	1	1	0.5000	3.0000		8.40
1.75" Hybrid	A	No	No	Ar (CaAa)	166.00 - 8.00	0.0000	0.3	1	1	0.5000	1.7500		1.00
Feedline Ladder (Af) ***	A	No	No	Af (CaAa)	166.00 - 8.00	0.0000	0.3	1	1	0.2500	3.0000		8.40

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C_AA_A ft^2/ft	Weight plf
***								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	196.00-180.00	A	0.000	0.000	27.506	0.000	0.24
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	12.600	0.000	0.26
T2	180.00-160.00	A	0.000	0.000	79.070	0.000	0.58
		B	0.000	0.000	44.880	0.000	0.39
		C	0.000	0.000	15.750	0.000	0.33
T3	160.00-140.00	A	0.000	0.000	88.520	0.000	0.71
		B	0.000	0.000	56.100	0.000	0.49
		C	0.000	0.000	15.750	0.000	0.33
T4	140.00-120.00	A	0.000	0.000	88.520	0.000	0.71
		B	0.000	0.000	56.100	0.000	0.49
		C	0.000	0.000	15.750	0.000	0.33
T5	120.00-100.00	A	0.000	0.000	88.520	0.000	0.71
		B	0.000	0.000	56.100	0.000	0.49
		C	0.000	0.000	15.750	0.000	0.33
T6	100.00-80.00	A	0.000	0.000	88.520	0.000	0.71
		B	0.000	0.000	56.100	0.000	0.49
		C	0.000	0.000	15.750	0.000	0.33
T7	80.00-60.00	A	0.000	0.000	88.520	0.000	0.71
		B	0.000	0.000	56.100	0.000	0.49
		C	0.000	0.000	15.750	0.000	0.33
T8	60.00-40.00	A	0.000	0.000	88.520	0.000	0.71
		B	0.000	0.000	56.100	0.000	0.49
		C	0.000	0.000	15.750	0.000	0.33

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T9	40.00-20.00	A	0.000	0.000	88.520	0.000	0.71
		B	0.000	0.000	56.100	0.000	0.49
		C	0.000	0.000	15.750	0.000	0.33
T10	20.00-0.00	A	0.000	0.000	53.112	0.000	0.42
		B	0.000	0.000	33.660	0.000	0.29
		C	0.000	0.000	9.450	0.000	0.20

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	196.00-180.00	A	1.190	0.000	0.000	39.860	0.000	0.61
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	24.024	0.000	0.48
T2	180.00-160.00	A	1.178	0.000	0.000	114.812	0.000	1.70
		B		0.000	0.000	57.953	0.000	0.96
		C		0.000	0.000	29.888	0.000	0.60
T3	160.00-140.00	A	1.163	0.000	0.000	130.335	0.000	1.98
		B		0.000	0.000	72.184	0.000	1.20
		C		0.000	0.000	29.712	0.000	0.59
T4	140.00-120.00	A	1.147	0.000	0.000	129.743	0.000	1.96
		B		0.000	0.000	71.893	0.000	1.19
		C		0.000	0.000	29.513	0.000	0.59
T5	120.00-100.00	A	1.128	0.000	0.000	129.063	0.000	1.94
		B		0.000	0.000	71.559	0.000	1.18
		C		0.000	0.000	29.285	0.000	0.58
T6	100.00-80.00	A	1.106	0.000	0.000	128.261	0.000	1.92
		B		0.000	0.000	71.165	0.000	1.16
		C		0.000	0.000	29.016	0.000	0.58
T7	80.00-60.00	A	1.078	0.000	0.000	127.280	0.000	1.89
		B		0.000	0.000	70.683	0.000	1.15
		C		0.000	0.000	28.687	0.000	0.57
T8	60.00-40.00	A	1.042	0.000	0.000	126.005	0.000	1.85
		B		0.000	0.000	70.057	0.000	1.13
		C		0.000	0.000	28.259	0.000	0.56
T9	40.00-20.00	A	0.991	0.000	0.000	124.152	0.000	1.79
		B		0.000	0.000	69.146	0.000	1.10
		C		0.000	0.000	27.636	0.000	0.54
T10	20.00-0.00	A	0.887	0.000	0.000	72.287	0.000	1.01
		B		0.000	0.000	40.405	0.000	0.63
		C		0.000	0.000	15.840	0.000	0.31

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	196.00-180.00	-0.0900	5.7038	1.3636	7.1944
T2	180.00-160.00	1.6949	11.1858	4.0042	11.7993

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
T3	160.00-140.00	2.7460	10.6419	5.0466	10.4840
T4	140.00-120.00	2.6172	10.5322	5.0561	10.8023
T5	120.00-100.00	3.2308	12.8087	6.0313	12.8610
T6	100.00-80.00	3.3474	13.3781	6.2457	13.4869
T7	80.00-60.00	3.5600	14.3404	6.6022	14.4534
T8	60.00-40.00	3.5226	14.4483	6.6396	14.8720
T9	40.00-20.00	3.2125	13.5389	6.0414	14.0064
T10	20.00-0.00	2.0335	8.9323	3.7872	9.3966

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	1	Safety Line 3/8	180.00 - 196.00	0.6000	0.6000
T1	2	Climbing Ladder	180.00 - 196.00	0.6000	0.6000
T1	3	Empty Feedline Ladder (Af)	180.00 - 196.00	0.6000	0.6000
T1	5	1 5/8" Coax	180.00 - 186.00	0.6000	0.6000
T1	6	3" Conduit	180.00 - 186.00	0.6000	0.6000
T1	7	5/8" Fiber	180.00 - 186.00	0.0000	0.0000
T1	8	3/4" DC	180.00 - 186.00	0.0000	0.0000
T1	9	Feedline Ladder (Af)	180.00 - 196.00	0.6000	0.6000
T2	1	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T2	2	Climbing Ladder	160.00 - 180.00	0.6000	0.6000
T2	3	Empty Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T2	5	1 5/8" Coax	160.00 - 180.00	0.6000	0.6000
T2	6	3" Conduit	160.00 - 180.00	0.6000	0.6000
T2	7	5/8" Fiber	160.00 - 180.00	0.0000	0.0000
T2	8	3/4" DC	160.00 - 180.00	0.0000	0.0000
T2	9	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T2	11	1-5/8" Coax	160.00 - 176.00	0.6000	0.6000
T2	12	1 5/8" Hybrid	160.00 - 176.00	0.6000	0.6000
T2	13	Feedline Ladder (Af)	160.00 - 176.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T2	15	1.75" Hybrid	160.00 - 166.00	0.6000	0.6000
T2	16	Feedline Ladder (Af)	160.00 - 166.00	0.6000	0.6000
T3	1	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T3	2	Climbing Ladder	140.00 - 160.00	0.6000	0.6000
T3	3	Empty Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T3	5	1 5/8" Coax	140.00 - 160.00	0.6000	0.6000
T3	6	3" Conduit	140.00 - 160.00	0.6000	0.6000
T3	7	5/8" Fiber	140.00 - 160.00	0.0000	0.0000
T3	8	3/4" DC	140.00 - 160.00	0.0000	0.0000
T3	9	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T3	11	1-5/8" Coax	140.00 - 160.00	0.6000	0.6000
T3	12	1 5/8" Hybrid	140.00 - 160.00	0.6000	0.6000
T3	13	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T3	15	1.75" Hybrid	140.00 - 160.00	0.6000	0.6000
T3	16	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T4	1	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T4	2	Climbing Ladder	120.00 - 140.00	0.6000	0.6000
T4	3	Empty Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	5	1 5/8" Coax	120.00 - 140.00	0.6000	0.6000
T4	6	3" Conduit	120.00 - 140.00	0.6000	0.6000
T4	7	5/8" Fiber	120.00 - 140.00	0.0000	0.0000
T4	8	3/4" DC	120.00 - 140.00	0.0000	0.0000
T4	9	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	11	1-5/8" Coax	120.00 - 140.00	0.6000	0.6000
T4	12	1 5/8" Hybrid	120.00 - 140.00	0.6000	0.6000
T4	13	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	15	1.75" Hybrid	120.00 - 140.00	0.6000	0.6000
T4	16	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T5	1	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T5	2	Climbing Ladder	100.00 - 120.00	0.6000	0.6000
T5	3	Empty Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	5	1 5/8" Coax	100.00 - 120.00	0.6000	0.6000
T5	6	3" Conduit	100.00 - 120.00	0.6000	0.6000
T5	7	5/8" Fiber	100.00 - 120.00	0.0000	0.0000
T5	8	3/4" DC	100.00 - 120.00	0.0000	0.0000
T5	9	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	11	1-5/8" Coax	100.00 - 120.00	0.6000	0.6000
T5	12	1 5/8" Hybrid	100.00 - 120.00	0.6000	0.6000
T5	13	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	15	1.75" Hybrid	100.00 - 120.00	0.6000	0.6000
T5	16	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	1	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T6	2	Climbing Ladder	80.00 - 100.00	0.6000	0.6000
T6	3	Empty Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	5	1 5/8" Coax	80.00 - 100.00	0.6000	0.6000
T6	6	3" Conduit	80.00 - 100.00	0.6000	0.6000
T6	7	5/8" Fiber	80.00 - 100.00	0.0000	0.0000
T6	8	3/4" DC	80.00 - 100.00	0.0000	0.0000
T6	9	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	11	1-5/8" Coax	80.00 - 100.00	0.6000	0.6000
T6	12	1 5/8" Hybrid	80.00 - 100.00	0.6000	0.6000
T6	13	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	15	1.75" Hybrid	80.00 - 100.00	0.6000	0.6000
T6	16	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	1	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T7	2	Climbing Ladder	60.00 - 80.00	0.6000	0.6000
T7	3	Empty Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	5	1 5/8" Coax	60.00 - 80.00	0.6000	0.6000
T7	6	3" Conduit	60.00 - 80.00	0.6000	0.6000
T7	7	5/8" Fiber	60.00 - 80.00	0.0000	0.0000
T7	8	3/4" DC	60.00 - 80.00	0.0000	0.0000
T7	9	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	11	1-5/8" Coax	60.00 - 80.00	0.6000	0.6000
T7	12	1 5/8" Hybrid	60.00 - 80.00	0.6000	0.6000
T7	13	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	15	1.75" Hybrid	60.00 - 80.00	0.6000	0.6000
T7	16	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T8	1	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T8	2	Climbing Ladder	40.00 - 60.00	0.6000	0.6000
T8	3	Empty Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	5	1 5/8" Coax	40.00 - 60.00	0.6000	0.6000
T8	6	3" Conduit	40.00 - 60.00	0.6000	0.6000
T8	7	5/8" Fiber	40.00 - 60.00	0.0000	0.0000
T8	8	3/4" DC	40.00 - 60.00	0.0000	0.0000
T8	9	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T8	11	1-5/8" Coax	40.00 - 60.00	0.6000	0.6000
T8	12	1 5/8" Hybrid	40.00 - 60.00	0.6000	0.6000
T8	13	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	15	1.75" Hybrid	40.00 - 60.00	0.6000	0.6000
T8	16	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T9	1	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T9	2	Climbing Ladder	20.00 - 40.00	0.6000	0.6000
T9	3	Empty Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	5	1 5/8" Coax	20.00 - 40.00	0.6000	0.6000
T9	6	3" Conduit	20.00 - 40.00	0.6000	0.6000
T9	7	5/8" Fiber	20.00 - 40.00	0.0000	0.0000
T9	8	3/4" DC	20.00 - 40.00	0.0000	0.0000
T9	9	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	11	1-5/8" Coax	20.00 - 40.00	0.6000	0.6000
T9	12	1 5/8" Hybrid	20.00 - 40.00	0.6000	0.6000
T9	13	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	15	1.75" Hybrid	20.00 - 40.00	0.6000	0.6000
T9	16	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T10	1	Safety Line 3/8	8.00 - 20.00	0.6000	0.6000
T10	2	Climbing Ladder	8.00 - 20.00	0.6000	0.6000
T10	3	Empty Feedline Ladder (Af)	8.00 - 20.00	0.6000	0.6000
T10	5	1 5/8" Coax	8.00 - 20.00	0.6000	0.6000
T10	6	3" Conduit	8.00 - 20.00	0.6000	0.6000
T10	7	5/8" Fiber	8.00 - 20.00	0.0000	0.0000
T10	8	3/4" DC	8.00 - 20.00	0.0000	0.0000
T10	9	Feedline Ladder (Af)	8.00 - 20.00	0.6000	0.6000
T10	11	1-5/8" Coax	8.00 - 20.00	0.6000	0.6000
T10	12	1 5/8" Hybrid	8.00 - 20.00	0.6000	0.6000
T10	13	Feedline Ladder (Af)	8.00 - 20.00	0.6000	0.6000
T10	15	1.75" Hybrid	8.00 - 20.00	0.6000	0.6000
T10	16	Feedline Ladder (Af)	8.00 - 20.00	0.6000	0.6000

User Defined Loads - Seismic

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
SL1	196.00	0.00	0.0000	0.12	0.00	0.00	0.36
SL2	180.00	0.00	0.0000	0.48	0.00	0.00	1.38
SL3	160.00	0.00	0.0000	0.23	0.00	0.00	0.58
SL4	140.00	0.00	0.0000	0.20	0.00	0.00	0.44
SL5	120.00	0.00	0.0000	0.18	0.00	0.00	0.35
SL6	100.00	0.00	0.0000	0.19	0.00	0.00	0.30
SL7	80.00	0.00	0.0000	0.26	0.00	0.00	0.33
SL8	60.00	0.00	0.0000	0.28	0.00	0.00	0.27
SL9	40.00	0.00	0.0000	0.33	0.00	0.00	0.21
SL10	20.00	0.00	0.0000	0.31	0.00	0.00	0.10

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
Abandoned T-Frame	A	From Leg	1.50 0.00 0.00	0.0000	196.00	No Ice 1/2" Ice 1" Ice	16.58 20.58 24.58	10.27 13.30 16.33	0.32 0.45 0.58
Abandoned T-Frame	B	From Leg	1.50 0.00 0.00	0.0000	196.00	No Ice 1/2" Ice 1" Ice	16.58 20.58 24.58	10.27 13.30 16.33	0.32 0.45 0.58
Abandoned T-Frame	C	From Leg	1.50 0.00 0.00	0.0000	196.00	No Ice 1/2" Ice 1" Ice	16.58 20.58 24.58	10.27 13.30 16.33	0.32 0.45 0.58
(4) Empty Pipe Mount	A	From Leg	3.00 0.00 0.00	0.0000	196.00	No Ice 1/2" Ice 1" Ice	1.90 2.28 2.66	1.90 2.28 2.66	0.03 0.04 0.05
(4) Empty Pipe Mount	B	From Leg	3.00 0.00 0.00	0.0000	196.00	No Ice 1/2" Ice 1" Ice	1.90 2.28 2.66	1.90 2.28 2.66	0.03 0.04 0.05
(4) Empty Pipe Mount	C	From Leg	3.00 0.00 0.00	0.0000	196.00	No Ice 1/2" Ice 1" Ice	1.90 2.28 2.66	1.90 2.28 2.66	0.03 0.04 0.05
AT&T									
800 10966 w/mount pipe (96x20x6.9)	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	17.36 17.99 18.63	9.40 10.82 12.09	0.14 0.26 0.38
800 10966 w/mount pipe (96x20x6.9)	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	17.36 17.99 18.63	9.40 10.82 12.09	0.14 0.26 0.38
800 10966 w/mount pipe (96x20x6.9)	C	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	17.36 17.99 18.63	9.40 10.82 12.09	0.14 0.26 0.38
TPA65R-BU8D w/mount pipe (96x20.7x7.7)	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	17.87 18.50 19.14	10.02 11.44 12.72	0.12 0.23 0.36
TPA65R-BU8D w/mount pipe (96x20.7x7.7)	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	17.87 18.50 19.14	10.02 11.44 12.72	0.12 0.23 0.36
TPA65R-BU8D w/mount pipe (96x20.7x7.7)	C	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	17.87 18.50 19.14	10.02 11.44 12.72	0.12 0.23 0.36
7770 w/mount pipe (55x11x5)	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	6.32 7.03 7.69	4.83 6.00 7.03	0.06 0.11 0.17
7770 w/mount pipe (55x11x5)	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	6.32 7.03 7.69	4.83 6.00 7.03	0.06 0.11 0.17
7770 w/mount pipe (55x11x5)	C	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	6.32 7.03 7.69	4.83 6.00 7.03	0.06 0.11 0.17
(2) LGP21401 (14x7x2.7)	A	From Leg	3.00 0.00	0.0000	186.00	No Ice 1/2" Ice	0.82 0.94	0.35 0.44	0.02 0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00				1" Ice	1.06	0.54	0.03
(2) LGP21401 (14x7x2.7)	B	From Leg	3.00		0.0000	186.00	No Ice	0.82	0.35	0.02
			0.00				1/2" Ice	0.94	0.44	0.02
			0.00				1" Ice	1.06	0.54	0.03
(2) LGP21401 (14x7x2.7)	C	From Leg	3.00		0.0000	186.00	No Ice	0.82	0.35	0.02
			0.00				1/2" Ice	0.94	0.44	0.02
			0.00				1" Ice	1.06	0.54	0.03
(2) 21401 TMA (14x9x2.7)	A	From Leg	3.00		0.0000	186.00	No Ice	1.05	0.35	0.02
			0.00				1/2" Ice	1.18	0.44	0.03
			0.00				1" Ice	1.32	0.54	0.03
(2) 21401 TMA (14x9x2.7)	B	From Leg	3.00		0.0000	186.00	No Ice	1.05	0.35	0.02
			0.00				1/2" Ice	1.18	0.44	0.03
			0.00				1" Ice	1.32	0.54	0.03
(2) 21401 TMA (14x9x2.7)	C	From Leg	3.00		0.0000	186.00	No Ice	1.05	0.35	0.02
			0.00				1/2" Ice	1.18	0.44	0.03
			0.00				1" Ice	1.32	0.54	0.03
8843 B2 / B66 (14.9x13.2x10.9)	A	From Leg	3.00		0.0000	186.00	No Ice	1.64	1.35	0.06
			0.00				1/2" Ice	1.80	1.50	0.07
			0.00				1" Ice	1.97	1.65	0.09
8843 B2 / B66 (14.9x13.2x10.9)	B	From Leg	3.00		0.0000	186.00	No Ice	1.64	1.35	0.06
			0.00				1/2" Ice	1.80	1.50	0.07
			0.00				1" Ice	1.97	1.65	0.09
8843 B2 / B66 (14.9x13.2x10.9)	C	From Leg	3.00		0.0000	186.00	No Ice	1.64	1.35	0.06
			0.00				1/2" Ice	1.80	1.50	0.07
			0.00				1" Ice	1.97	1.65	0.09
4415 B30 (16.5x13.4x5.9)	A	From Leg	3.00		0.0000	186.00	No Ice	1.84	0.82	0.05
			0.00				1/2" Ice	2.01	0.94	0.06
			0.00				1" Ice	2.19	1.07	0.08
4415 B30 (16.5x13.4x5.9)	B	From Leg	3.00		0.0000	186.00	No Ice	1.84	0.82	0.05
			0.00				1/2" Ice	2.01	0.94	0.06
			0.00				1" Ice	2.19	1.07	0.08
4415 B30 (16.5x13.4x5.9)	C	From Leg	3.00		0.0000	186.00	No Ice	1.84	0.82	0.05
			0.00				1/2" Ice	2.01	0.94	0.06
			0.00				1" Ice	2.19	1.07	0.08
RRUS 12 (20.4x18.5x7.5)	A	From Leg	3.00		0.0000	186.00	No Ice	3.15	1.29	0.06
			0.00				1/2" Ice	3.36	1.44	0.08
			0.00				1" Ice	3.59	1.60	0.11
RRUS 12 (20.4x18.5x7.5)	B	From Leg	3.00		0.0000	186.00	No Ice	3.15	1.29	0.06
			0.00				1/2" Ice	3.36	1.44	0.08
			0.00				1" Ice	3.59	1.60	0.11
RRUS 12 (20.4x18.5x7.5)	C	From Leg	3.00		0.0000	186.00	No Ice	3.15	1.29	0.06
			0.00				1/2" Ice	3.36	1.44	0.08
			0.00				1" Ice	3.59	1.60	0.11
4478 B14 (18.1x13.4x8.26)	A	From Leg	3.00		0.0000	186.00	No Ice	2.02	1.25	0.06
			0.00				1/2" Ice	2.20	1.40	0.08
			0.00				1" Ice	2.39	1.55	0.10
4478 B14 (18.1x13.4x8.26)	B	From Leg	3.00		0.0000	186.00	No Ice	2.02	1.25	0.06
			0.00				1/2" Ice	2.20	1.40	0.08
			0.00				1" Ice	2.39	1.55	0.10
4478 B14 (18.1x13.4x8.26)	C	From Leg	3.00		0.0000	186.00	No Ice	2.02	1.25	0.06
			0.00				1/2" Ice	2.20	1.40	0.08
			0.00				1" Ice	2.39	1.55	0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
4449 B5/B12 (17.9x13.19x9.44)	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
4449 B5/B12 (17.9x13.19x9.44)	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
4449 B5/B12 (17.9x13.19x9.44)	C	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
RRUS A2 (16.4x15.2x3.4)	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	2.08 2.26 2.44	0.50 0.61 0.73	0.02 0.03 0.05
RRUS A2 (16.4x15.2x3.4)	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	2.08 2.26 2.44	0.50 0.61 0.73	0.02 0.03 0.05
RRUS A2 (16.4x15.2x3.4)	C	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	2.08 2.26 2.44	0.50 0.61 0.73	0.02 0.03 0.05
DC6-48-60-18-8F (24x11x18.5)	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	2.20 2.40 2.60	3.70 3.94 4.19	0.03 0.06 0.10
DC6-48-60-18-8F (24x11x18.5)	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	2.20 2.40 2.60	3.70 3.94 4.19	0.03 0.06 0.10
Commoscope MTC3615	A	From Leg	1.50 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	29.44 35.54 41.64	11.31 15.62 19.93	0.76 1.08 1.39
Commoscope MTC3615	B	From Leg	1.50 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	29.44 35.54 41.64	11.31 15.62 19.93	0.76 1.08 1.39
Commoscope MTC3615	C	From Leg	1.50 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	29.44 35.54 41.64	11.31 15.62 19.93	0.76 1.08 1.39
Mount Mods	C	None		0.0000	186.00	No Ice 1/2" Ice 1" Ice	15.50 37.63 59.77	15.50 37.63 59.77	0.65 1.76 2.88
Empty Pipe Mount	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	1.90 2.28 2.66	1.90 2.28 2.66	0.03 0.04 0.05
Empty Pipe Mount	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	1.90 2.28 2.66	1.90 2.28 2.66	0.03 0.04 0.05
Empty Pipe Mount	C	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	1.90 2.28 2.66	1.90 2.28 2.66	0.03 0.04 0.05
Verizon (2) JAHH-65B-R3B w/mount pipe (72x13.8x8.2)	A	From Leg	3.00 0.00 0.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice	9.59 10.26 10.90	7.88 9.17 10.31	0.09 0.17 0.26
(2) JAHH-65B-R3B w/mount pipe (72x13.8x8.2)	B	From Leg	3.00 0.00 0.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice	9.59 10.26 10.90	7.88 9.17 10.31	0.09 0.17 0.26

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) JAHH-65B-R3B w/mount pipe (72x13.8x8.2)	C	From Leg	3.00			0.0000	176.00	No Ice	9.59	7.88	0.09
			0.00					1/2" Ice	10.26	9.17	0.17
			0.00					1" Ice	10.90	10.31	0.26
MT6407-77A w/mount pipe (35.12x16.06x5.51)	A	From Leg	3.00			0.0000	176.00	No Ice	5.91	3.74	0.12
			0.00					1/2" Ice	6.72	4.79	0.17
			0.00					1" Ice	7.44	5.70	0.22
MT6407-77A w/mount pipe (35.12x16.06x5.51)	B	From Leg	3.00			0.0000	176.00	No Ice	5.91	3.74	0.12
			0.00					1/2" Ice	6.72	4.79	0.17
			0.00					1" Ice	7.44	5.70	0.22
MT6407-77A w/mount pipe (35.12x16.06x5.51)	C	From Leg	3.00			0.0000	176.00	No Ice	5.91	3.74	0.12
			0.00					1/2" Ice	6.72	4.79	0.17
			0.00					1" Ice	7.44	5.70	0.22
CBC78T-DS-2X/W14F05P50 (6.4x6.9x9.6)	A	From Leg	3.00			0.0000	176.00	No Ice	0.37	0.51	0.02
			0.00					1/2" Ice	0.45	0.60	0.03
			0.00					1" Ice	0.53	0.70	0.04
CBC78T-DS-2X/W14F05P50 (6.4x6.9x9.6)	B	From Leg	3.00			0.0000	176.00	No Ice	0.37	0.51	0.02
			0.00					1/2" Ice	0.45	0.60	0.03
			0.00					1" Ice	0.53	0.70	0.04
CBC78T-DS-2X/W14F05P50 (6.4x6.9x9.6)	C	From Leg	3.00			0.0000	176.00	No Ice	0.37	0.51	0.02
			0.00					1/2" Ice	0.45	0.60	0.03
			0.00					1" Ice	0.53	0.70	0.04
B2/B66A (15x15x10)	A	From Leg	3.00			0.0000	176.00	No Ice	1.88	1.25	0.08
			0.00					1/2" Ice	2.05	1.39	0.10
			0.00					1" Ice	2.22	1.54	0.12
B2/B66A (15x15x10)	B	From Leg	3.00			0.0000	176.00	No Ice	1.88	1.25	0.08
			0.00					1/2" Ice	2.05	1.39	0.10
			0.00					1" Ice	2.22	1.54	0.12
B2/B66A (15x15x10)	C	From Leg	3.00			0.0000	176.00	No Ice	1.88	1.25	0.08
			0.00					1/2" Ice	2.05	1.39	0.10
			0.00					1" Ice	2.22	1.54	0.12
B13/B5 RRH (15x15x8.1)	A	From Leg	3.00			0.0000	176.00	No Ice	1.88	1.01	0.07
			0.00					1/2" Ice	2.05	1.14	0.09
			0.00					1" Ice	2.22	1.28	0.11
B13/B5 RRH (15x15x8.1)	B	From Leg	3.00			0.0000	176.00	No Ice	1.88	1.01	0.07
			0.00					1/2" Ice	2.05	1.14	0.09
			0.00					1" Ice	2.22	1.28	0.11
B13/B5 RRH (15x15x8.1)	C	From Leg	3.00			0.0000	176.00	No Ice	1.88	1.01	0.07
			0.00					1/2" Ice	2.05	1.14	0.09
			0.00					1" Ice	2.22	1.28	0.11
DB-B1 / DB-T1 (24x24x10)	B	From Leg	3.00			0.0000	176.00	No Ice	4.80	2.00	0.04
			0.00					1/2" Ice	5.07	2.19	0.08
			0.00					1" Ice	5.35	2.39	0.12
DB-B1 / DB-T1 (24x24x10)	C	From Leg	3.00			0.0000	176.00	No Ice	4.80	2.00	0.04
			0.00					1/2" Ice	5.07	2.19	0.08
			0.00					1" Ice	5.35	2.39	0.12
BSF0020F3V1-1 (10.6" x 10.9" x 3.15")	A	From Leg	3.00			0.0000	176.00	No Ice	0.96	0.30	0.02
			0.00					1/2" Ice	1.09	0.38	0.02
			0.00					1" Ice	1.22	0.46	0.03
BSF0020F3V1-1 (10.6" x 10.9" x 3.15")	B	From Leg	3.00			0.0000	176.00	No Ice	0.96	0.30	0.02
			0.00					1/2" Ice	1.09	0.38	0.02
			0.00					1" Ice	1.22	0.46	0.03
BSAMNT-SBS-2-2	A	From Leg	3.00			0.0000	176.00	No Ice	0.48	0.48	0.07
			0.00					1/2" Ice	0.65	0.65	0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
				0.00			1" Ice	0.82	0.82	0.11
BSAMNT-SBS-2-2	B	From Leg	3.00	0.00	0.0000	176.00	No Ice	0.48	0.48	0.07
				0.00			1/2" Ice	0.65	0.65	0.09
				0.00			1" Ice	0.82	0.82	0.11
BSAMNT-SBS-2-2	C	From Leg	3.00	0.00	0.0000	176.00	No Ice	0.48	0.48	0.07
				0.00			1/2" Ice	0.65	0.65	0.09
				0.00			1" Ice	0.82	0.82	0.11
Sector Frame	A	From Leg	1.50	0.00	0.0000	176.00	No Ice	16.58	10.27	0.32
				0.00			1/2" Ice	20.58	13.30	0.48
				0.00			1" Ice	24.58	16.33	0.64
Sector Frame	B	From Leg	1.50	0.00	0.0000	176.00	No Ice	16.58	10.27	0.32
				0.00			1/2" Ice	20.58	13.30	0.48
				0.00			1" Ice	24.58	16.33	0.64
Sector Frame	C	From Leg	1.50	0.00	0.0000	176.00	No Ice	16.58	10.27	0.32
				0.00			1/2" Ice	20.58	13.30	0.48
				0.00			1" Ice	24.58	16.33	0.64
(3) 6' Empty Pipe	A	From Leg	3.00	0.00	0.0000	176.00	No Ice	1.43	1.43	0.03
				0.00			1/2" Ice	1.93	1.93	0.04
				0.00			1" Ice	2.43	2.43	0.05
(3) 6' Empty Pipe	B	From Leg	3.00	0.00	0.0000	176.00	No Ice	1.43	1.43	0.03
				0.00			1/2" Ice	1.93	1.93	0.04
				0.00			1" Ice	2.43	2.43	0.05
(3) 6' Empty Pipe	C	From Leg	3.00	0.00	0.0000	176.00	No Ice	1.43	1.43	0.03
				0.00			1/2" Ice	1.93	1.93	0.04
				0.00			1" Ice	2.43	2.43	0.05
Mount Mod	A	From Leg	3.00	0.00	0.0000	176.00	No Ice	9.96	6.51	0.27
				0.00			1/2" Ice	13.44	8.79	0.35
				0.00			1" Ice	16.92	11.07	0.45
Mount Mod	B	From Leg	3.00	0.00	0.0000	176.00	No Ice	9.96	6.51	0.27
				0.00			1/2" Ice	13.44	8.79	0.35
				0.00			1" Ice	16.92	11.07	0.45
Mount Mod	C	From Leg	3.00	0.00	0.0000	176.00	No Ice	9.96	6.51	0.27
				0.00			1/2" Ice	13.44	8.79	0.35
				0.00			1" Ice	16.92	11.07	0.45
Dish Wireless FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	A	From Leg	3.00	0.00	0.0000	166.00	No Ice	12.75	7.65	0.10
				0.00			1/2" Ice	13.45	8.94	0.19
				0.00			1" Ice	14.12	10.07	0.30
FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	B	From Leg	3.00	0.00	0.0000	166.00	No Ice	12.75	7.65	0.10
				0.00			1/2" Ice	13.45	8.94	0.19
				0.00			1" Ice	14.12	10.07	0.30
FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	C	From Leg	3.00	0.00	0.0000	166.00	No Ice	12.75	7.65	0.10
				0.00			1/2" Ice	13.45	8.94	0.19
				0.00			1" Ice	14.12	10.07	0.30
TA08025-B604 (15.75x14.96x7.87)	A	From Leg	3.00	0.00	0.0000	166.00	No Ice	1.96	1.03	0.06
				0.00			1/2" Ice	2.14	1.17	0.08
				0.00			1" Ice	2.32	1.31	0.10
TA08025-B604 (15.75x14.96x7.87)	B	From Leg	3.00	0.00	0.0000	166.00	No Ice	1.96	1.03	0.06
				0.00			1/2" Ice	2.14	1.17	0.08
				0.00			1" Ice	2.32	1.31	0.10
TA08025-B604 (15.75x14.96x7.87)	C	From Leg	3.00	0.00	0.0000	166.00	No Ice	1.96	1.03	0.06
				0.00			1/2" Ice	2.14	1.17	0.08
				0.00			1" Ice	2.32	1.31	0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
TA08025-B605 (15.75x14.96x9.05)	A	From Leg	3.00	0.0000	166.00	No Ice	1.96	1.19	0.07
			0.00			1/2" Ice	2.14	1.33	0.09
			0.00			1" Ice	2.32	1.48	0.11
TA08025-B605 (15.75x14.96x9.05)	B	From Leg	3.00	0.0000	166.00	No Ice	1.96	1.19	0.07
			0.00			1/2" Ice	2.14	1.33	0.09
			0.00			1" Ice	2.32	1.48	0.11
TA08025-B605 (15.75x14.96x9.05)	C	From Leg	3.00	0.0000	166.00	No Ice	1.96	1.19	0.07
			0.00			1/2" Ice	2.14	1.33	0.09
			0.00			1" Ice	2.32	1.48	0.11
RDIDC-9181-PF-48 (16.57x14.57x8.46)	C	From Leg	3.00	0.0000	166.00	No Ice	2.01	1.17	0.02
			0.00			1/2" Ice	2.19	1.31	0.04
			0.00			1" Ice	2.37	1.46	0.06
(MTC3975083) Sector Frame	A	From Leg	1.50	0.0000	166.00	No Ice	10.60	8.10	0.41
			0.00			1/2" Ice	16.40	12.60	0.56
			0.00			1" Ice	22.20	17.10	0.70
(MTC3975083) Sector Frame	B	From Leg	1.50	0.0000	166.00	No Ice	10.60	8.10	0.41
			0.00			1/2" Ice	16.40	12.60	0.56
			0.00			1" Ice	22.20	17.10	0.70
(MTC3975083) Sector Frame	C	From Leg	1.50	0.0000	166.00	No Ice	10.60	8.10	0.41
			0.00			1/2" Ice	16.40	12.60	0.56
			0.00			1" Ice	22.20	17.10	0.70
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Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice

Comb. No.	Description
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service
51	1.2 Dead+1.0 Ev+1.0 Eh 0 deg
52	0.9 Dead-1.0 Ev+1.0 Eh 0 deg
53	1.2 Dead+1.0 Ev+1.0 Eh 30 deg
54	0.9 Dead-1.0 Ev+1.0 Eh 30 deg
55	1.2 Dead+1.0 Ev+1.0 Eh 60 deg
56	0.9 Dead-1.0 Ev+1.0 Eh 60 deg
57	1.2 Dead+1.0 Ev+1.0 Eh 90 deg
58	0.9 Dead-1.0 Ev+1.0 Eh 90 deg
59	1.2 Dead+1.0 Ev+1.0 Eh 120 deg
60	0.9 Dead-1.0 Ev+1.0 Eh 120 deg
61	1.2 Dead+1.0 Ev+1.0 Eh 150 deg
62	0.9 Dead-1.0 Ev+1.0 Eh 150 deg
63	1.2 Dead+1.0 Ev+1.0 Eh 180 deg
64	0.9 Dead-1.0 Ev+1.0 Eh 180 deg
65	1.2 Dead+1.0 Ev+1.0 Eh 210 deg
66	0.9 Dead-1.0 Ev+1.0 Eh 210 deg
67	1.2 Dead+1.0 Ev+1.0 Eh 240 deg
68	0.9 Dead-1.0 Ev+1.0 Eh 240 deg
69	1.2 Dead+1.0 Ev+1.0 Eh 270 deg
70	0.9 Dead-1.0 Ev+1.0 Eh 270 deg
71	1.2 Dead+1.0 Ev+1.0 Eh 300 deg
72	0.9 Dead-1.0 Ev+1.0 Eh 300 deg
73	1.2 Dead+1.0 Ev+1.0 Eh 330 deg
74	0.9 Dead-1.0 Ev+1.0 Eh 330 deg

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	196 - 180	3.253	43	0.1310	0.0183
T2	180 - 160	2.804	43	0.1298	0.0181
T3	160 - 140	2.242	43	0.1226	0.0166
T4	140 - 120	1.727	43	0.1081	0.0143
T5	120 - 100	1.279	43	0.0938	0.0122
T6	100 - 80	0.896	43	0.0769	0.0101
T7	80 - 60	0.585	43	0.0580	0.0078
T8	60 - 40	0.349	43	0.0446	0.0060
T9	40 - 20	0.171	43	0.0304	0.0045
T10	20 - 0	0.055	43	0.0160	0.0022

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
196.00	Abandoned T-Frame	43	3.253	0.1310	0.0183	852219
186.00	800 10966 w/mount pipe (96x20x6.9)	43	2.973	0.1306	0.0183	426107
180.00	SL2	43	2.804	0.1298	0.0181	340464
176.00	(2) JAHH-65B-R3B w/mount pipe (72x13.8x8.2)	43	2.690	0.1290	0.0179	Inf
166.00	FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	43	2.408	0.1256	0.0172	135119
160.00	SL3	43	2.242	0.1226	0.0166	87147
140.00	SL4	43	1.727	0.1081	0.0143	70443
120.00	SL5	43	1.279	0.0938	0.0122	75982
100.00	SL6	43	0.896	0.0769	0.0101	65511
80.00	SL7	43	0.585	0.0580	0.0078	61313
60.00	SL8	43	0.349	0.0446	0.0060	88229
40.00	SL9	43	0.171	0.0304	0.0045	79524
20.00	SL10	43	0.055	0.0160	0.0022	65737

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	196 - 180	12.793	10	0.5157	0.0745
T2	180 - 160	11.023	10	0.5112	0.0737
T3	160 - 140	8.808	10	0.4824	0.0674
T4	140 - 120	6.780	10	0.4250	0.0583
T5	120 - 100	5.015	10	0.3685	0.0498
T6	100 - 80	3.509	10	0.3015	0.0411
T7	80 - 60	2.291	10	0.2270	0.0315
T8	60 - 40	1.365	10	0.1744	0.0246

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T9	40 - 20	0.669	10	0.1187	0.0182
T10	20 - 0	0.215	11	0.0624	0.0090

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
196.00	Abandoned T-Frame	10	12.793	0.5157	0.0745	217379
186.00	800 10966 w/mount pipe (96x20x6.9)	10	11.690	0.5140	0.0743	108690
180.00	SL2	10	11.023	0.5112	0.0737	87693
176.00	(2) JAHH-65B-R3B w/mount pipe (72x13.8x8.2)	10	10.576	0.5080	0.0729	408003
166.00	FFVV-65B-R2 w/mount pipe (72x19.6x7.8)	10	9.462	0.4947	0.0698	34290
160.00	SL3	10	8.808	0.4824	0.0674	21892
140.00	SL4	10	6.780	0.4250	0.0583	17675
120.00	SL5	10	5.015	0.3685	0.0498	19146
100.00	SL6	10	3.509	0.3015	0.0411	16568
80.00	SL7	10	2.291	0.2270	0.0315	15544
60.00	SL8	10	1.365	0.1744	0.0246	22452
40.00	SL9	10	0.669	0.1187	0.0182	20329
20.00	SL10	11	0.215	0.0624	0.0090	16827

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load / Allowable	Allowable Ratio	Criteria
T1	196	Leg	A325X	1.0000	4	1.30	54.52	0.024 ✔	1	Bolt Tension
		Diagonal	A325X	0.6250	1	3.83	7.88	0.487 ✔	1	Member Block Shear
		Top Girt	A325X	0.6250	1	0.48	9.91	0.049 ✔	1	Member Block Shear
T2	180	Leg	A325X>1'	1.2500	4	8.88	76.32	0.116 ✔	1	Bolt Tension
		Diagonal	A325X	0.6250	1	7.24	9.91	0.730 ✔	1	Member Block Shear
T3	160	Leg	A325X>1'	1.2500	4	17.52	76.32	0.230 ✔	1	Bolt Tension
		Diagonal	A325X	0.6250	1	7.66	13.22	0.580 ✔	1	Member Block Shear
T4	140	Leg	A325X>1'	1.2500	6	17.05	76.32	0.223 ✔	1	Bolt Tension
		Diagonal	A325X	0.7500	1	8.47	14.36	0.590 ✔	1	Member Bearing

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load / Allowable	Allowable Ratio	Criteria
T5	120	Leg	A325X>1'	1.2500	6	21.75	76.32	0.285 ✔	1	Bolt Tension
		Diagonal	A325X	0.7500	1	9.84	14.36	0.685 ✔	1	Member Bearing
T6	100	Leg	A325X>1'	1.3750	6	26.65	90.95	0.293 ✔	1	Bolt Tension
		Diagonal	A325X	0.7500	1	10.43	14.36	0.727 ✔	1	Member Bearing
T7	80	Leg	A325X>1'	1.3750	6	31.39	90.95	0.345 ✔	1	Bolt Tension
		Diagonal	A325X	0.7500	1	11.20	21.53	0.520 ✔	1	Member Bearing
T8	60	Leg	A325X>1'	1.3750	6	35.96	90.95	0.395 ✔	1	Bolt Tension
		Diagonal	A325X	0.7500	1	12.07	21.53	0.560 ✔	1	Member Bearing
T9	40	Leg	A325X>1'	1.3750	6	38.94	90.95	0.428 ✔	1	Bolt Tension
		Diagonal	A325X	0.6250	2	8.04	17.26	0.466 ✔	1	Bolt Shear
T10	20	Diagonal	A325X	0.6250	2	8.45	17.26	0.490 ✔	1	Bolt Shear

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 180	Sabre 4" x 0.318"	16.03	5.34	49.1 K=1.00	3.6784	-11.04	138.82	0.080 [1] ✔
T2	180 - 160	Sabre 4.5" x 0.438"	20.03	6.68	55.5 K=1.00	5.5894	-48.06	200.84	0.239 [1] ✔
T3	160 - 140	Sabre 5.5625" x 0.375"	20.03	6.68	43.6 K=1.00	6.1114	-87.20	239.36	0.364 [1] ✔
T4	140 - 120	Sabre 6.625" x 0 .432"	20.03	6.68	36.5 K=1.00	8.4049	-124.71	343.10	0.363 [1] ✔
T5	120 - 100	Sabre 6.625" x 0 .432"	20.03	10.02	54.8 K=1.00	8.4049	-157.80	303.75	0.520 [1] ✔
T6	100 - 80	Sabre 8.625"x0.322"	20.03	10.02	40.9 K=1.00	8.3993	-192.69	334.42	0.576 [1] ✔
T7	80 - 60	Sabre 8.625"x0.5"	20.03	10.02	41.8 K=1.00	12.7627	-227.81	505.56	0.451 [1] ✔
T8	60 - 40	Sabre 8.625"x0.5"	20.03	10.02	41.8 K=1.00	12.7627	-262.59	505.56	0.519 [1] ✔
T9	40 - 20	Sabre 8.625"x0.5"	20.03	5.01	20.9 K=1.00	12.7627	-287.52	556.30	0.517 [1] ✔

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T10	20 - 0	Sabre 10.75" x 0.365"	20.03	5.01	16.4 K=1.00	11.9083	-321.67	525.49	0.612 [1] ✔

[1] $P_u / \phi P_n$ controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 180	L 2 x 2 x 3/16	10.23	4.93	150.2 K=1.00	0.7150	-3.92	9.07	0.432 [1] ✔
T2	180 - 160	L2-1/2x2-1/2x3/16	12.58	6.12	148.4 K=1.00	0.9023	-7.25	11.73	0.618 [1] ✔
T3	160 - 140	L2 1/2x2 1/2x1/4	14.32	6.94	169.6 K=1.00	1.1900	-7.74	11.85	0.654 [1] ✔
T4	140 - 120	L3 1/2 x 3 1/2 x 1/4	16.11	7.79	134.8 K=1.00	1.6875	-8.43	26.59	0.317 [1] ✔
T5	120 - 100	L3 1/2 x 3 1/2 x 1/4	19.30	9.47	163.9 K=1.00	1.6875	-9.89	17.99	0.550 [1] ✔
T6	100 - 80	L3 1/2 x 3 1/2 x 1/4	21.03	10.25	177.3 K=1.00	1.6875	-10.57	15.37	0.687 [1] ✔
T7	80 - 60	L3 1/2x3 1/2x3/8	22.81	11.14	194.5 K=1.00	2.4800	-11.36	18.75	0.606 [1] ✔
T8	60 - 40	L4x4x3/8	24.62	12.05	183.4 K=1.00	2.8600	-12.25	24.32	0.504 [1] ✔
T9	40 - 20	L3 1/2x3 1/2x3/8	16.01	15.10	169.4 K=1.00	2.4800	-16.08	24.74	0.650 [1] ✔
T10	20 - 0	L3 1/2x3 1/2x3/8	16.80	15.80	177.2 K=1.00	2.4800	-16.90	22.61	0.747 [1] ✔

[1] $P_u / \phi P_n$ controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T9	40 - 20	L4x4x3/8	24.00	11.64	163.7 K=0.92	2.8600	-11.53	30.55	0.377 [1] ✔
T10	20 - 0	L4x4x3/8	26.00	12.55	174.3 K=0.91	2.8600	-12.34	26.96	0.458 [1] ✔

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	196 - 180	L2-1/2x2-1/2x3/16	7.40	6.78	164.3 K=1.00	0.9023	-0.55	9.57	0.057 [1] ✔

[1] P_u / ϕP_n controls

Redundant Horizontal (1) Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T9	40 - 20	L2-1/2x2-1/2x3/16	6.00	5.64	136.8 K=1.00	0.9023	-4.99	13.81	0.361 [1] ✔
T10	20 - 0	L3x3x3/16	6.50	6.05	121.9 K=1.00	1.0900	-5.58	20.81	0.268 [1] ✔

[1] P_u / ϕP_n controls

Redundant Diagonal (1) Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T9	40 - 20	L2-1/2x2-1/2x3/16	7.62	7.15	173.3 K=1.00	0.9023	-3.17	8.60	0.368 [1] ✔
T10	20 - 0	L3x3x3/16	8.01	7.43	149.6 K=1.00	1.0900	-3.44	13.93	0.247 [1] ✔

[1] P_u / ϕP_n controls

Inner Bracing Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T9	40 - 20	L4x4x1/4	12.00	12.00	181.1 K=1.00	1.9400	-0.02	16.92	0.001 [1] ✓
T10	20 - 0	L4x4x1/4	13.00	13.00	196.2 K=1.00	1.9400	-0.02	14.42	0.001 [1] ✓

[1] P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 180	Sabre 4" x 0.318"	16.03	5.34	49.1	3.6784	5.20	165.53	0.031 [1] ✓
T2	180 - 160	Sabre 4.5" x 0.438"	20.03	6.68	55.5	5.5894	35.51	251.52	0.141 [1] ✓
T3	160 - 140	Sabre 5.5625" x 0.375"	20.03	6.68	43.6	6.1114	70.06	275.01	0.255 [1] ✓
T4	140 - 120	Sabre 6.625" x 0 .432"	20.03	6.68	36.5	8.4049	102.32	378.22	0.271 [1] ✓
T5	120 - 100	Sabre 6.625" x 0 .432"	20.03	10.02	54.8	8.4049	130.51	378.22	0.345 [1] ✓
T6	100 - 80	Sabre 8.625"x0.322"	20.03	10.02	40.9	8.3993	159.91	377.97	0.423 [1] ✓
T7	80 - 60	Sabre 8.625"x0.5"	20.03	10.02	41.8	12.7627	188.36	574.32	0.328 [1] ✓
T8	60 - 40	Sabre 8.625"x0.5"	20.03	10.02	41.8	12.7627	215.75	574.32	0.376 [1] ✓
T9	40 - 20	Sabre 8.625"x0.5"	20.03	5.01	20.9	12.7627	234.10	574.32	0.408 [1] ✓
T10	20 - 0	Sabre 10.75" x 0.365"	20.03	5.01	16.4	11.9083	259.98	535.87	0.485 [1] ✓

[1] P_u / ϕP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 180	L 2 x 2 x 3/16	10.23	4.93	98.8	0.4308	3.83	18.74	0.205 [1] ✔
T2	180 - 160	L2-1/2x2-1/2x3/16	12.58	6.12	96.6	0.5713	7.24	24.85	0.291 [1] ✔
T3	160 - 140	L2 1/2x2 1/2x1/4	14.32	6.94	110.5	0.7519	7.66	32.71	0.234 [1] ✔
T4	140 - 120	L3 1/2 x 3 1/2 x 1/4	16.11	7.79	87.3	1.1016	8.47	47.92	0.177 [1] ✔
T5	120 - 100	L3 1/2 x 3 1/2 x 1/4	19.30	9.47	105.7	1.1016	9.84	47.92	0.205 [1] ✔
T6	100 - 80	L3 1/2 x 3 1/2 x 1/4	21.03	10.25	114.3	1.1016	10.43	47.92	0.218 [1] ✔
T7	80 - 60	L3 1/2x3 1/2x3/8	22.81	11.14	126.5	1.6139	11.20	70.20	0.160 [1] ✔
T8	60 - 40	L4x4x3/8	24.62	12.05	118.9	1.8989	12.07	82.60	0.146 [1] ✔
T9	40 - 20	L3 1/2x3 1/2x3/8	16.01	15.10	174.4	1.6491	15.02	71.73	0.209 [1] ✔
T10	20 - 0	L3 1/2x3 1/2x3/8	16.80	15.80	182.2	1.6491	15.75	71.73	0.220 [1] ✔

[1] $P_u / \phi P_n$ controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T9	40 - 20	L4x4x3/8	24.00	11.64	113.6	2.8600	11.74	92.66	0.127 [1] ✔
T10	20 - 0	L4x4x3/8	26.00	12.55	122.5	2.8600	12.52	92.66	0.135 [1] ✔

[1] $P_u / \phi P_n$ controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 180	L2-1/2x2-1/2x3/16	7.40	6.78	109.0	0.5713	0.48	24.85	0.020 [1] ✔

[1] P_u / ϕP_n controls

Redundant Horizontal (1) Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T9	40 - 20	L2-1/2x2-1/2x3/16	6.00	5.64	87.0	0.9023	4.99	29.24	0.171 [1] ✔
T10	20 - 0	L3x3x3/16	6.50	6.05	77.3	1.0900	5.58	35.32	0.158 [1] ✔

[1] P_u / ϕP_n controls

Redundant Diagonal (1) Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T9	40 - 20	L2-1/2x2-1/2x3/16	7.43	6.96	107.3	0.9023	3.22	29.24	0.110 [1] ✔
T10	20 - 0	L3x3x3/16	7.81	7.24	92.5	1.0900	3.49	35.32	0.099 [1] ✔

[1] P_u / ϕP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	196 - 180	Leg	Sabre 4" x 0.318"	2	-11.04	138.82	8.0	Pass
T2	180 - 160	Leg	Sabre 4.5" x 0.438"	26	-48.06	200.84	23.9	Pass
T3	160 - 140	Leg	Sabre 5.5625" x 0.375"	47	-87.20	239.36	36.4	Pass
T4	140 - 120	Leg	Sabre 6.625" x 0 .432"	68	-124.71	343.10	36.3	Pass
T5	120 - 100	Leg	Sabre 6.625" x 0 .432"	89	-157.80	303.75	52.0	Pass
T6	100 - 80	Leg	Sabre 8.625"x0.322"	104	-192.69	334.42	57.6	Pass
T7	80 - 60	Leg	Sabre 8.625"x0.5"	119	-227.81	505.56	45.1	Pass
T8	60 - 40	Leg	Sabre 8.625"x0.5"	134	-262.59	505.56	51.9	Pass
T9	40 - 20	Leg	Sabre 8.625"x0.5"	149	-287.52	556.30	51.7	Pass
T10	20 - 0	Leg	Sabre 10.75" x 0.365"	200	-321.67	525.49	61.2	Pass
T1	196 - 180	Diagonal	L 2 x 2 x 3/16	7	-3.92	9.07	43.2 48.7 (b)	Pass
T2	180 - 160	Diagonal	L2-1/2x2-1/2x3/16	28	-7.25	11.73	61.8 73.0 (b)	Pass
T3	160 - 140	Diagonal	L2 1/2x2 1/2x1/4	49	-7.74	11.85	65.4	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T4	140 - 120	Diagonal	L3 1/2 x 3 1/2 x 1/4	70	-8.43	26.59	31.7 59.0 (b)	Pass
T5	120 - 100	Diagonal	L3 1/2 x 3 1/2 x 1/4	91	-9.89	17.99	55.0 68.5 (b)	Pass
T6	100 - 80	Diagonal	L3 1/2 x 3 1/2 x 1/4	106	-10.57	15.37	68.7 72.7 (b)	Pass
T7	80 - 60	Diagonal	L3 1/2x3 1/2x3/8	121	-11.36	18.75	60.6	Pass
T8	60 - 40	Diagonal	L4x4x3/8	136	-12.25	24.32	50.4 56.0 (b)	Pass
T9	40 - 20	Diagonal	L3 1/2x3 1/2x3/8	152	-16.08	24.74	65.0	Pass
T10	20 - 0	Diagonal	L3 1/2x3 1/2x3/8	203	-16.90	22.61	74.7	Pass
T9	40 - 20	Horizontal	L4x4x3/8	151	-11.53	30.55	37.7	Pass
T10	20 - 0	Horizontal	L4x4x3/8	202	-12.34	26.96	45.8	Pass
T1	196 - 180	Top Girt	L2-1/2x2-1/2x3/16	6	-0.55	9.57	5.7	Pass
T9	40 - 20	Redund Horz 1 Bracing	L2-1/2x2-1/2x3/16	160	-4.99	13.81	36.1	Pass
T10	20 - 0	Redund Horz 1 Bracing	L3x3x3/16	211	-5.58	20.81	26.8	Pass
T9	40 - 20	Redund Diag 1 Bracing	L2-1/2x2-1/2x3/16	161	-3.17	8.60	36.8	Pass
T10	20 - 0	Redund Diag 1 Bracing	L3x3x3/16	208	-3.44	13.93	24.7	Pass
T9	40 - 20	Inner Bracing	L4x4x1/4	174	-0.02	16.92	0.5	Pass
T10	20 - 0	Inner Bracing	L4x4x1/4	225	-0.02	14.42	0.5	Pass
							Summary	
						Leg (T10)	61.2	Pass
						Diagonal (T10)	74.7	Pass
						Horizontal (T10)	45.8	Pass
						Top Girt (T1)	5.7	Pass
						Redund Horz 1 Bracing (T9)	36.1	Pass
						Redund Diag 1 Bracing (T9)	36.8	Pass
						Inner Bracing (T10)	0.5	Pass
						Bolt Checks	73.0	Pass
						RATING =	**74.7**	**Pass**

Loading for Seismic Analysis - Rev H (2.7.7.1 Equivalent Lateral Force Procedure) *V3.0 - 03/13/2020*

Project# : CT00802-VZW-070523

Analysis complete

Tower Data

Tower type :	SST
Height (ft) :	196
Base face width (ft) :	27
Number of sections :	10

Structure Date

Risk category :	II
Site class :	D (default)

Seismic Date

Short period (S_s):	0.184
1sec period (S_1) :	0.055
Long period transition (T_L) (Fig B-19):	6

I =	1.00
F_a =	1.60
F_v =	2.40
T (sec) =	0.52
R =	3.00
Ke =	1.01
C_s =	0.07
V_s (kip) =	4.31
Ts (sec) =	0.45

Tnx User Forces

Note:

1: Get self weight & add weight (feedline) from "Mast Forces table (tnxTower Reports)"

2: Get appurtenance weight from "Appurt. Pressure table (tnxTower Reports)"

3: Get the guy weight from "WEIGHTAUXDATA" excel file from the tnx out put files

Section	Top Elev	Top width	Self Weight	Add Weight (feedline)	Appurtenance Weight	Guy Weight	Total Weight	E_h (F_x)	*E_v
	ft	ft	kip	kip	kip	kip	kip	kip	kip
1	196	7.4	1.15	0.50	1.32		2.97	**0.36**	**0.12**
2	180	9	1.90	1.30	9.02		12.22	**1.38**	**0.48**
3	160	11	2.36	1.53	1.94		5.83	**0.58**	**0.23**
4	140	13	3.49	1.53	0.00		5.02	**0.44**	**0.20**
5	120	15	3.17	1.53	0.00		4.70	**0.35**	**0.18**
6	100	17	3.29	1.53	0.00		4.82	**0.30**	**0.19**
7	80	19	5.12	1.53	0.00		6.65	**0.33**	**0.26**
8	60	21	5.70	1.53	0.00		7.23	**0.27**	**0.28**
9	40	23	6.87	1.53	0.00		8.40	**0.21**	**0.33**
10	20	25	7.08	0.92	0.00		8.00	**0.10**	**0.31**
		17.0	*40.13*	*13.43*	*12.28*		*65.84*	*4.31*	

V3.6 - 08/10/2021

Self Support Anchor Bolt Check

Project Information

SBA Project # :	CT00802-VZW-070523
Code :	H

Leg Reaction

Uplift(kips):	274	Shear (kips) :	32
Comp(kips):	339	Shear (kips) :	39

Grout

☐ 5,000 psi Grout Present

Strength Reduction Factors

Tension :	0.75
Compression :	0.90
Shear :	0.75
Flexure :	0.9

Bolt Capacity : **55.1%** ***Pass***

Bolt Information

Quantity :	8
Diameter (in) :	1.5
Assumed lar (in) :	1.5
Bolt Fy (ksi) :	50
Bolt Fu (AISC Table 2-6) (ksi):	65
# of threads (AISC Table 7-17) :	6

Self Support Base Reaction Comparison Table

Site ID:	CT00802-S	
Design TIA:	TIA-222-F	
Current TIA:	TIA-222-H	*Select*
Component:	Self Support Base	*Select*

TIA-222-F Compared To TIA-222-H				
SST BASE FOUNDATION REACTION COMPARISON				
REACTIONS PER LEG	ORIGINAL DESIGN REACTIONS	*MODIFIED DESIGN REACTIONS	ANALYSIS REACTIONS	% RATING
UPLIFT (kips)	245.9	331.9	274.0	82.5%
COMPRESSION (kips)	308.0	415.8	339.0	81.5%
SHEAR(kips)/MOMENT(kip-ft)	35.2	47.6	39.0	82.0%

*Original Design Reactions were multiplied by 1.35 for comparison as allowed by TIA-222-H, Section 15.4.3.

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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206279
Colliers Engineering & Design CT. P.C. Project #: 23777044

July 10, 2023

Site Information	*Site ID:*	*5000242993-VZW / PUTNAM SOUTH CT - SBA - Putnam Freight*
	Site Name:	*PUTNAM SOUTH CT - SBA - Putnam Freight*
	Carrier Name:	*Verizon Wireless*
	Address:	*63 Industrial Dr* *Putnam, Connecticut 06260* *Windham County*
	Latitude:	*41.897139°*
	Longitude:	*-71.89225°*
Structure Information	*Tower Type:*	*240-Ft Self Support*
	Mount Type:	*12.58-Ft T-Frame*

FUZE ID # 17123838

Analysis Results

T-Frame: **87.8% Pass***

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

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

Report Prepared By: Andy Hanes

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: 2645089, dated February 24, 2021*
Mount Mapping Report	*Hudson Design Group LLC, Site ID: 469277, dated February 4, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 20777647A, dated April 22, 2021*
PMI Report	*Maser Consulting Connecticut, Project #: 20777647A, dated November 2, 2022*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 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:	0.991
Seismic Parameters:	S_S:	0.184 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
176.00	176.00	3	Samsung	MT6407-77A	Retained
		6	Commscope	JAHH-65B-R3B	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RHSDC-6627-PF-48	
		3	Commscope	CBC78T-DS-43-2X	
		2	KAelus	BSF0020F3V1-1	Added

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount(s).

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
Connection Check	20.6 %	Pass
Horizontal Face	63.9 %	Pass
Face Vertical	55.5 %	Pass
Standoff Horizontal D	10.3 %	Pass
TES Standoff Horizontal	16.6 %	Pass
End Plate	28.8 %	Pass
Standoff Vertical	24.1 %	Pass
Standoff Diagonal	5.3 %	Pass
Antenna Pipe	82.6 %	Pass
Stabilizer	81.5 %	Pass
Mod Mount Pipe	87.8 %	Pass
Mod Face Horizontal	86.4 %	Pass
Mod V-kit	72.1 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**87.8%**

BASELINE mount weight per SBA agreement: 2630 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: No Change

The weights listed above include 3 sector(s).

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	41.4	13.7	51.0	23.3
0.5	53.8	19.4	67.2	32.8
1	65.4	24.2	82.6	41.5

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

Requirements:

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

N/A

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000242993 SMART Project #: 10206279 Fuze Project ID: 17123838

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:

N/A

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: 5000242993-VZW - PUTNAM SOUTH CT - SBA - Putnam Freight

Sector: A

Structure Type: Self Support

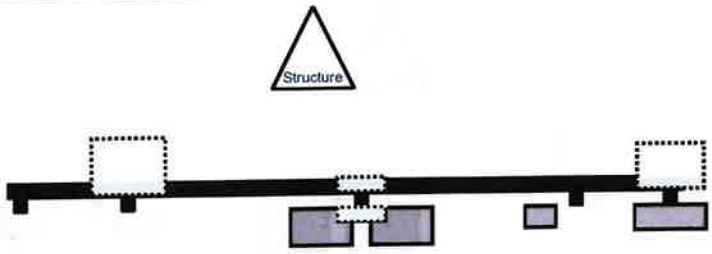
Mount Elev: 176.00

10206279

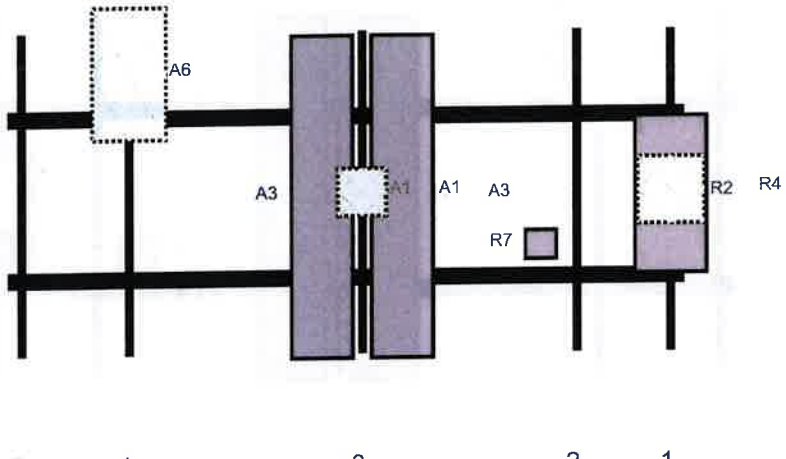
7/10/2023

Colliers Engineering & Design

Plan View

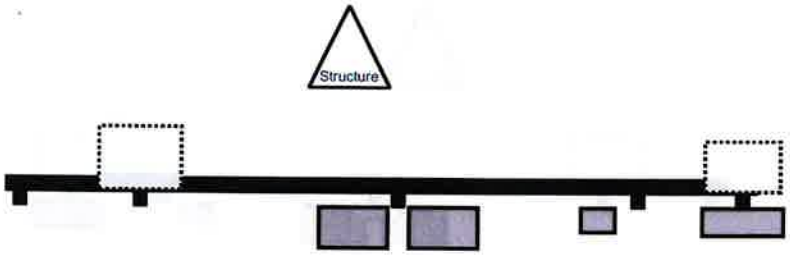


Front View - Looking at Structure

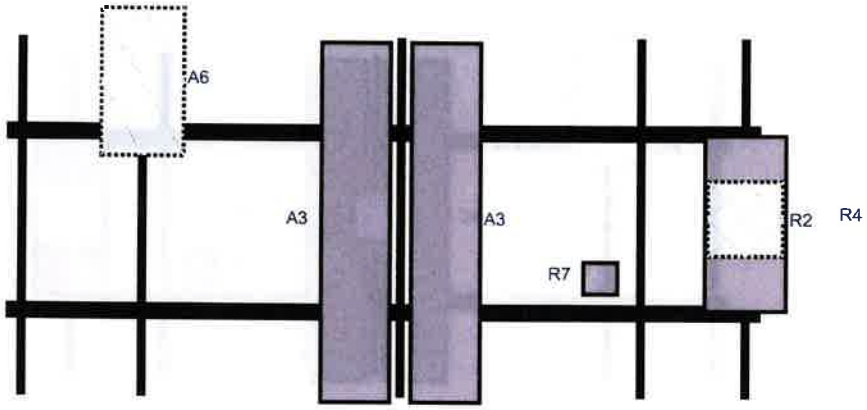


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	148	1	a	Front	36.96	0	Retained	10/06/2022
R4	B2/B66A RRH-BR049	15	15	148	1	a	Behind	36	0	Retained	10/06/2022
R7	CBC78T-DS-43-2X	6.4	6.9	127	2	a	Front	48	-8	Retained	10/06/2022
A3	JAHH-65B-R3B	72	13.8	79	3	a	Front	36.96	9	Retained	10/06/2022
A3	JAHH-65B-R3B	72	13.8	79	3	b	Front	36.96	-9	Retained	10/06/2022
A1	BSF0020F3V1-1	10.6	10.9	79	3	a	Behind	36	0	Added	
A1	BSF0020F3V1-1	10.6	10.9	79	3	b	Front	36	0	Added	
A6	RHSDC-6627-PF-48	29.5	16.5	27	4	a	Behind	9	0	Retained	10/06/2022
RRU	B5/B13 RRH-BR04C	15	15		Member					Retained	10/06/2022

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
R2	MT6407-77A	35.1	16.1	148	1	a	Front	36.96	0	Retained	10/06/2022
R4	B2/B66A RRH-BR049	15	15	148	1	a	Behind	36	0	Retained	10/06/2022
R7	CBC78T-DS-43-2X	6.4	6.9	127	2	a	Front	48	-8	Retained	10/06/2022
A3	JAHH-65B-R3B	72	13.8	79	3	a	Front	36.96	9	Retained	10/06/2022
A3	JAHH-65B-R3B	72	13.8	79	3	b	Front	36.96	-9	Retained	10/06/2022
A6	RHSDC-6627-PF-48	29.5	16.5	27	4	a	Behind	9	0	Retained	10/06/2022

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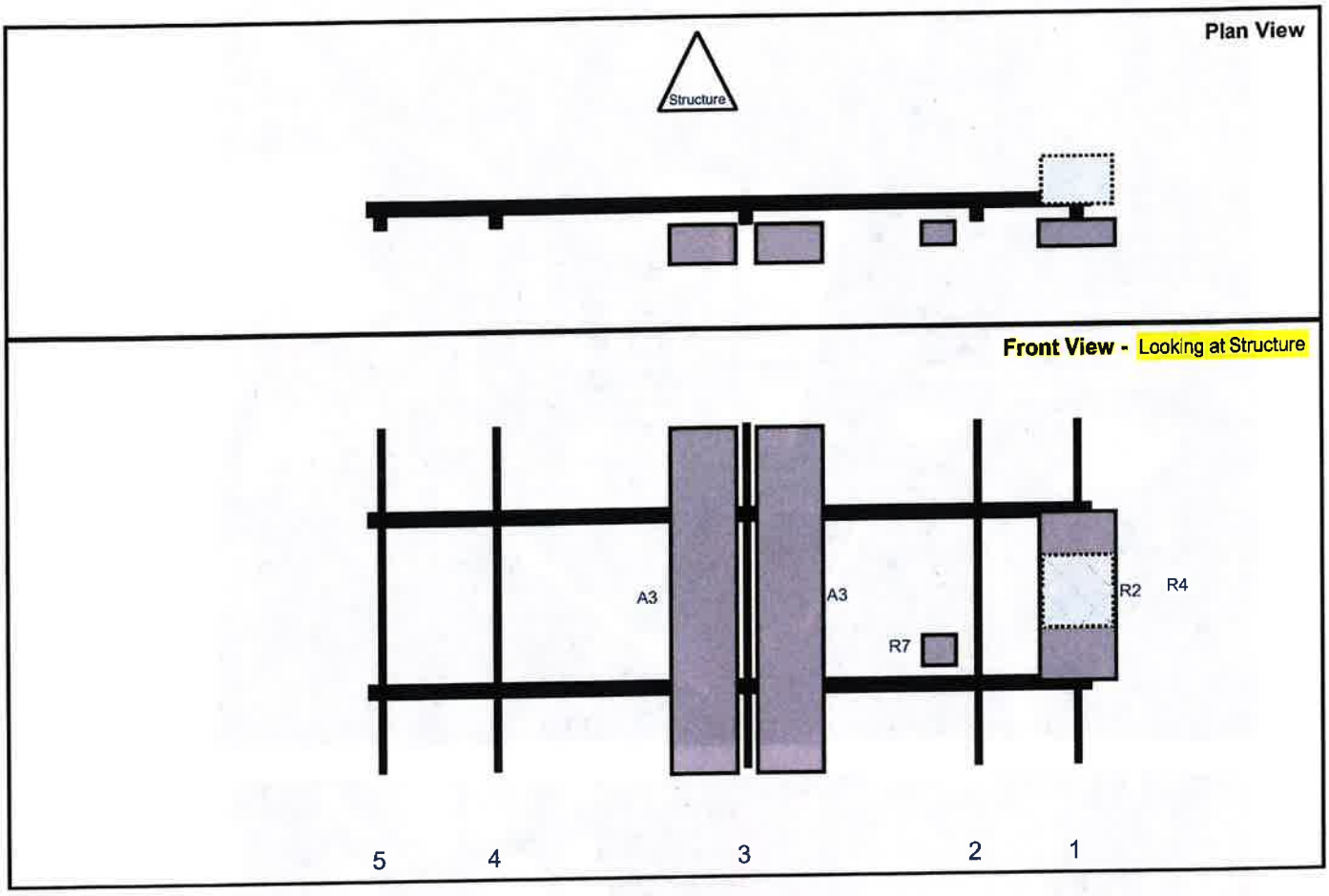
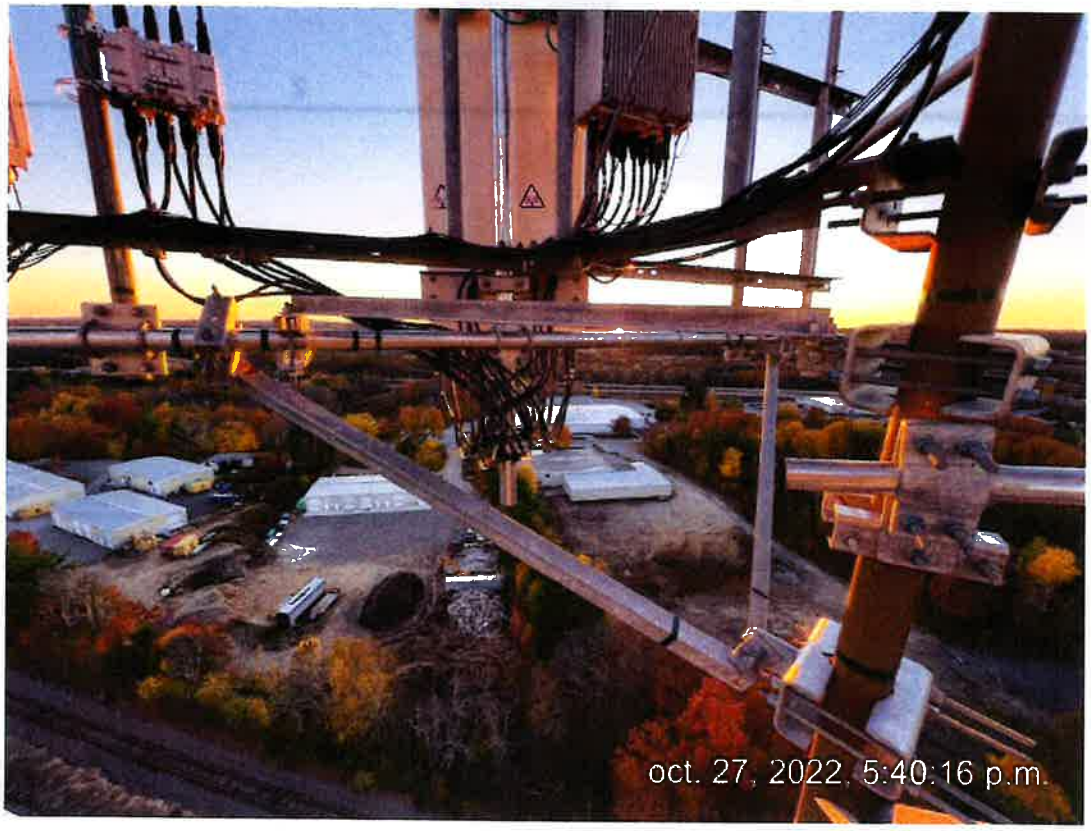


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	148	1	a	Front	36.96	0	Retained	10/06/2022
R4	B2/B66A RRH-BR049	15	15	148	1	a	Behind	36	0	Retained	10/06/2022
R7	CBC78T-DS-43-2X	6.4	6.9	127	2	a	Front	48	-8	Retained	10/06/2022
A3	JAHH-65B-R3B	72	13.8	79	3	a	Front	36.96	9	Retained	10/06/2022
A3	JAHH-65B-R3B	72	13.8	79	3	b	Front	36.96	-9	Retained	10/06/2022


oct. 6, 2022, 5:36:49 p.m.

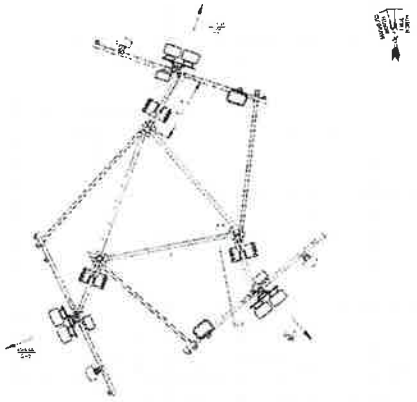

oct. 27, 2022, 5:40:16 p.m.

V3.0 Updated on 8-31-2020

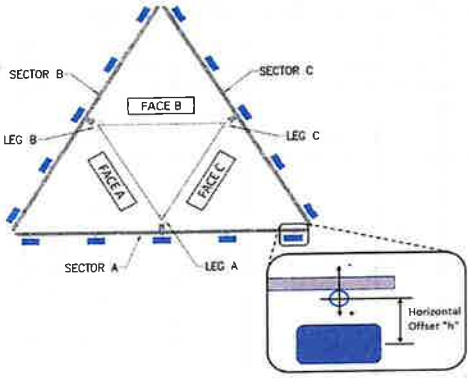
Antenna Mount Mapping Form (PATENT PENDING)

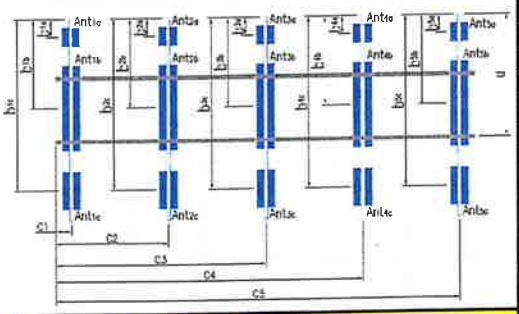
FCC #: 1202920

Tower Owner:	SBA	Mapping Date:	2/4/2021
Site Name:	Putnam South	Tower Type:	Self Support
Site Number or ID:	469277	Tower Height (Ft.):	240
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	176.5



ANTENNA PLAN SCALE: 1/2"





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2" STD X 6' LONG	55.00	24.00	C1	PIPE 2" STD X 6' LONG	55.00	24.00
A2	PIPE 2" STD X 6' LONG	55.00	71.50	C2	PIPE 2" STD X 6' LONG	55.00	71.50
A3	PIPE 2" STD X 6' LONG	55.00	127.00	C3	PIPE 2" STD X 6' LONG	55.00	127.00
A4	PIPE 2" STD X 6' LONG	55.00	148.00	C4	PIPE 2" STD X 6' LONG	55.00	148.00
A5				C5			
A6				C6			
B1	PIPE 2" STD X 6' LONG	55.00	24.00	D1			
B2	PIPE 2" STD X 6' LONG	55.00	71.50	D2			
B3	PIPE 2" STD X 6' LONG	55.00	127.00	D3			
B4	PIPE 2" STD X 6' LONG	55.00	148.00	D4			
B5				D5			
B6				D6			

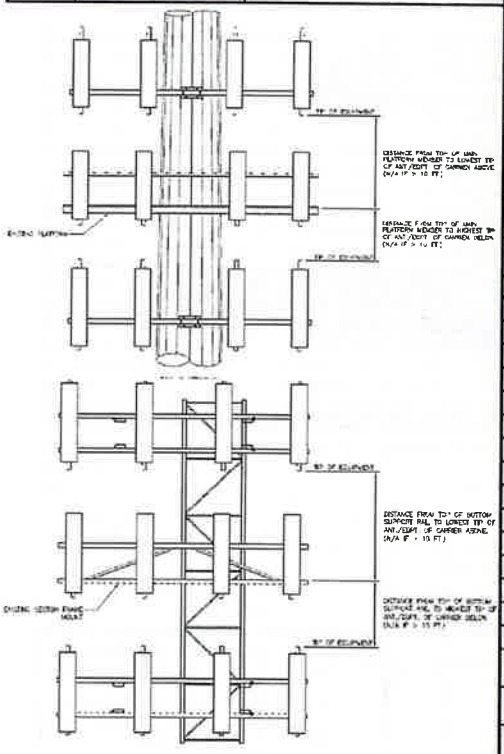
Distance between bottom rail and mount CL elevation (dim d). Unit is Inches. See 'Mount Elev Ref' tab for details. :	18.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):	9.5	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	4.5

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b_{1a}, b_{2a}, b_{3a}, b_{1b}..." (Inches)	Horiz. Offset "h" (Use "-" If Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LNX-6514DS-A1M	11.85	7.10	73.00		176.667	35.00	8.00	20.00	130
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	(2) JAHH-65B-R3B	14.00	7.50	72.00		176.75	34.00	12.50	20.00	130
Ant_{2c}	AHCA RRH 4T4R B5	12.50	7.50	14.00		180.917	-16.00	-9.00		130
Ant_{3a}	RHSDC-6627-PF-48	15.00	10.00	28.00		177.833	21.00	-5.00		130
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B66a RRH 4X45	11.50	8.00	21.00			-19.00	6.00		148
Ant on Standoff	B13 RRH4X30	12.00	7.00	25.00			-24.00	6.50		147
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	20.00	Deg	Leg A:	350.00	Deg
Sector B:	140.00	Deg	Leg B:	110.00	Deg
Sector C:	245.00	Deg	Leg C:	230.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	170.00 Deg	Outside Face B
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B											
Ant_{1a}											
Ant_{1b}	LNX-6514DS-A1M	11.85	7.10	73.00		176.667	35.00	8.00	140.00	131
Ant_{1c}											
Ant_{2a}											
Ant_{2b}	(2) JAHH-65B-R3B	14.00	7.50	72.00		176.75	34.00	12.50	140.00	130
Ant_{2c}	AHCA RRH 4T4R B5	12.50	7.50	14.00		180.917	-16.00	-9.00		130
Ant_{3a}	RHSDC-6627-PF-48	15.00	10.00	28.00		177.833	21.00	-5.00		130
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B66a RRH 4X45	11.50	8.00	21.00			-19.00	6.00		148
Ant on Standoff	B13 RRH4X30	12.00	7.00	25.00			-24.00	6.50		147
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LNX-6514DS-A1M	11.85	7.10	73.00		176.667	35.00	8.00	245.00	130
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	(2) JAHH-65B-R3B	14.00	7.50	72.00		176.75	34.00	12.50	245.00	130
Ant_{2c}	AHCA RRH 4T4R B5	12.50	7.50	14.00		180.917	-16.00	-9.00		130
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B66a RRH 4X45	11.50	8.00	21.00			-19.00	6.00		148
Ant on Standoff	B13 RRH4X30	12.00	7.00	25.00			-24.00	6.50		147
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(2) 1-1/4"Ø HYBRID CABLE	167
3	TOWER TAG INFO: SABRE COMMUNNICATIONS CORP. MODEL / JOB#: 53TL 99-04060, TOWER HEIGHT: 196'/240', LOCATION: PUTNAM, CT	3
4		
5		
6		
7		
8		

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

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

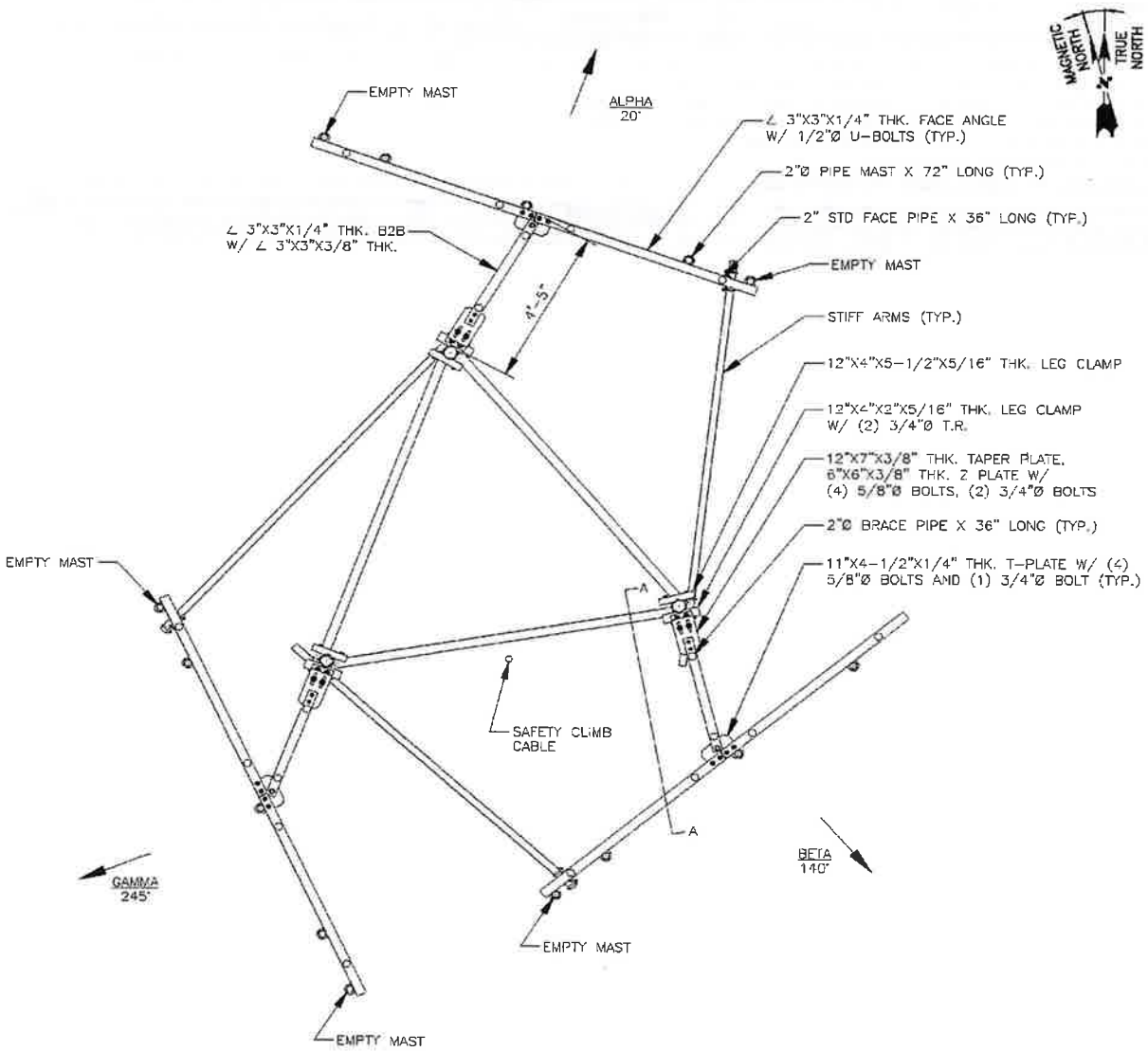
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1202920

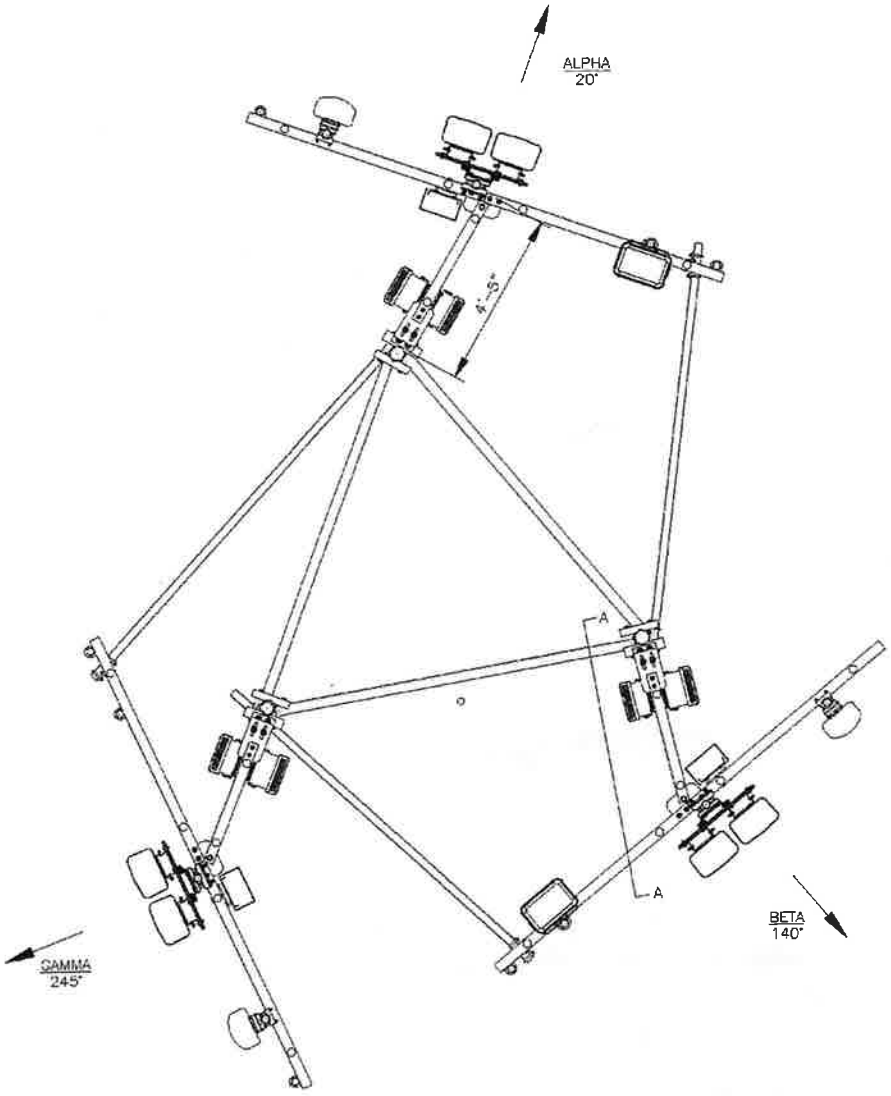
Tower Owner:	SBA	Mapping Date:	2/4/2021
Site Name:	Putnam South	Tower Type:	Self Support
Site Number or ID:	469277	Tower Height (Ft.):	240
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	176.5

Please Insert Sketches of the Antenna Mount



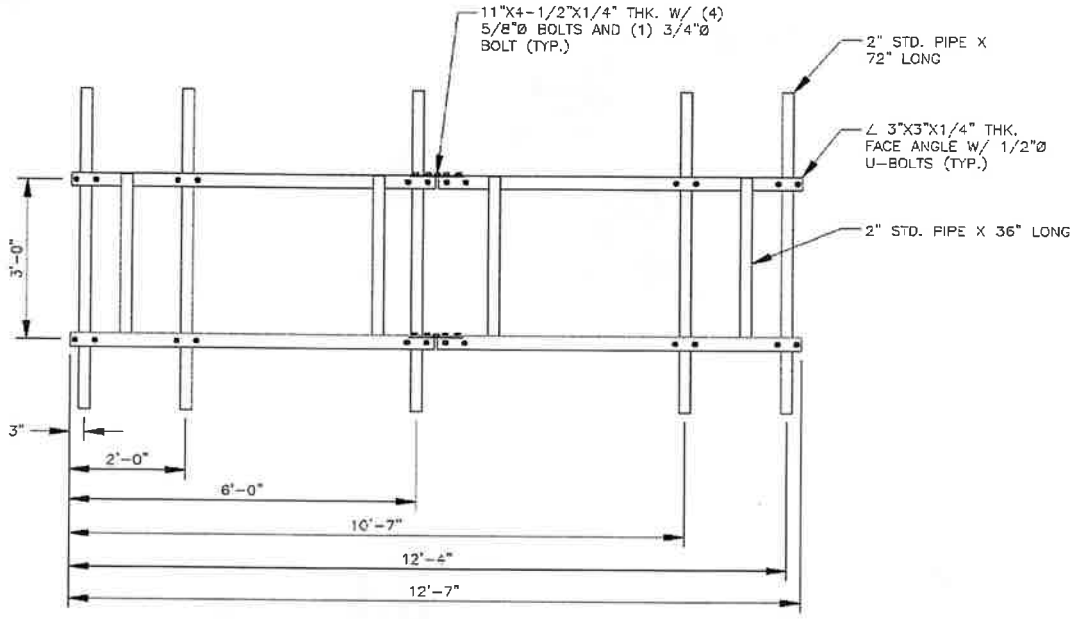
MOUNT PLAN (1 / SK-1)
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd

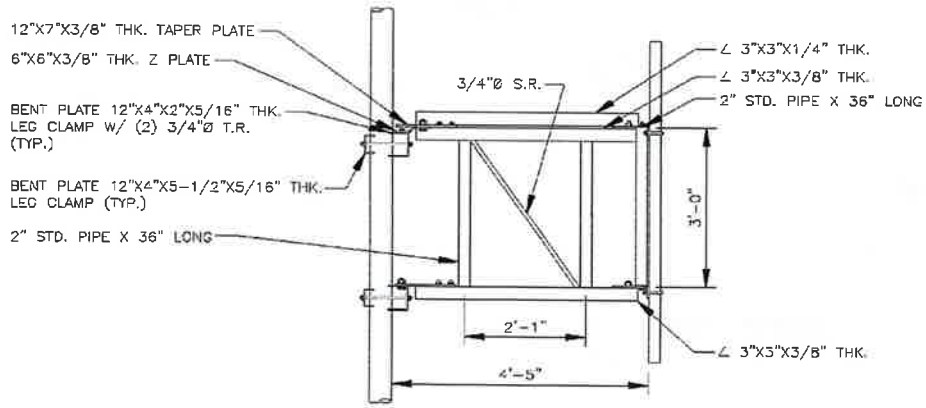


ANTENNA PLAN (1 / SK-2)
SCALE: N.T.S

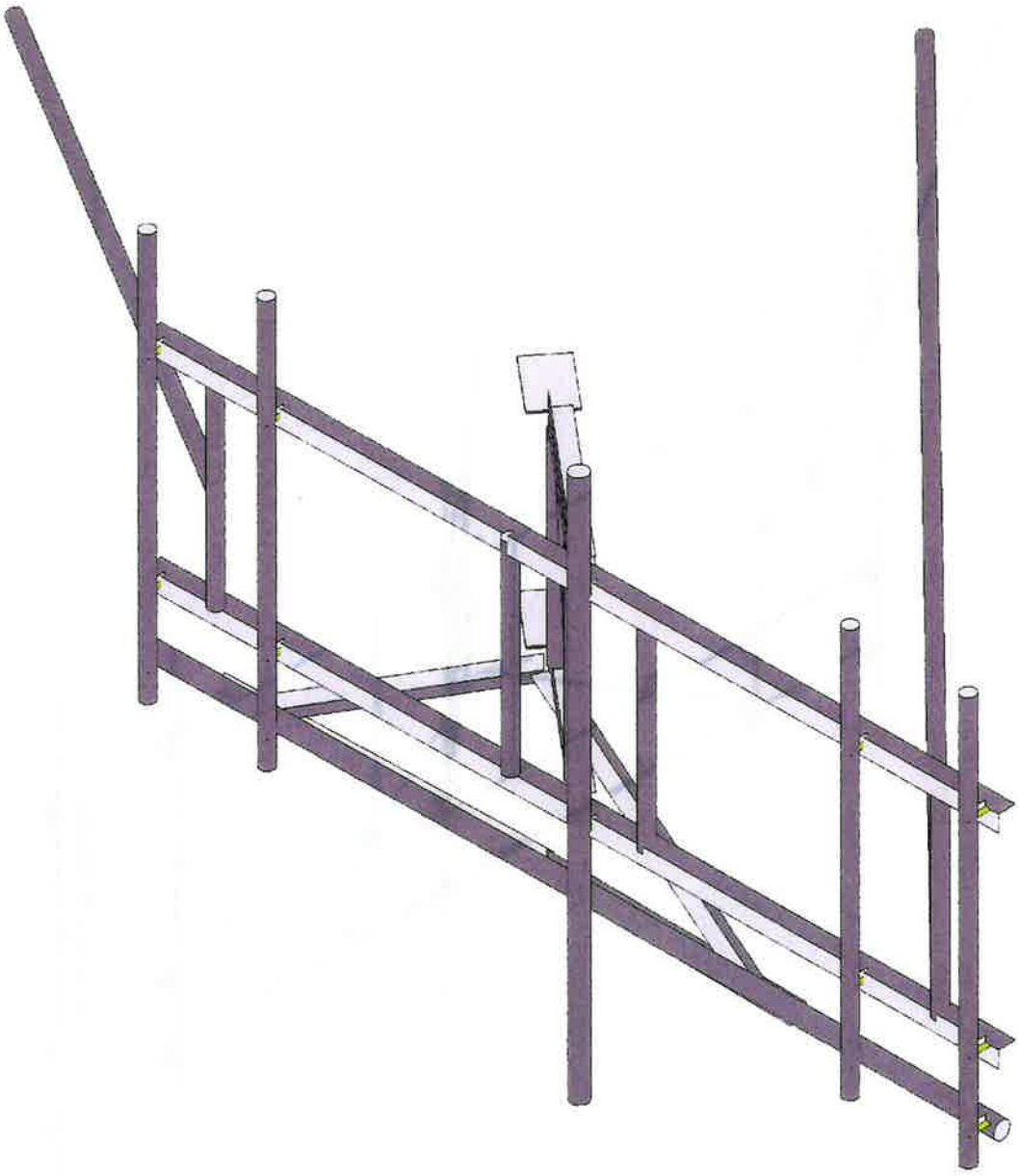
Please Insert Sketches of the Antenna Mount, cont'd



FACE DETAIL (1 / SK-3)
SCALE: N.T.S

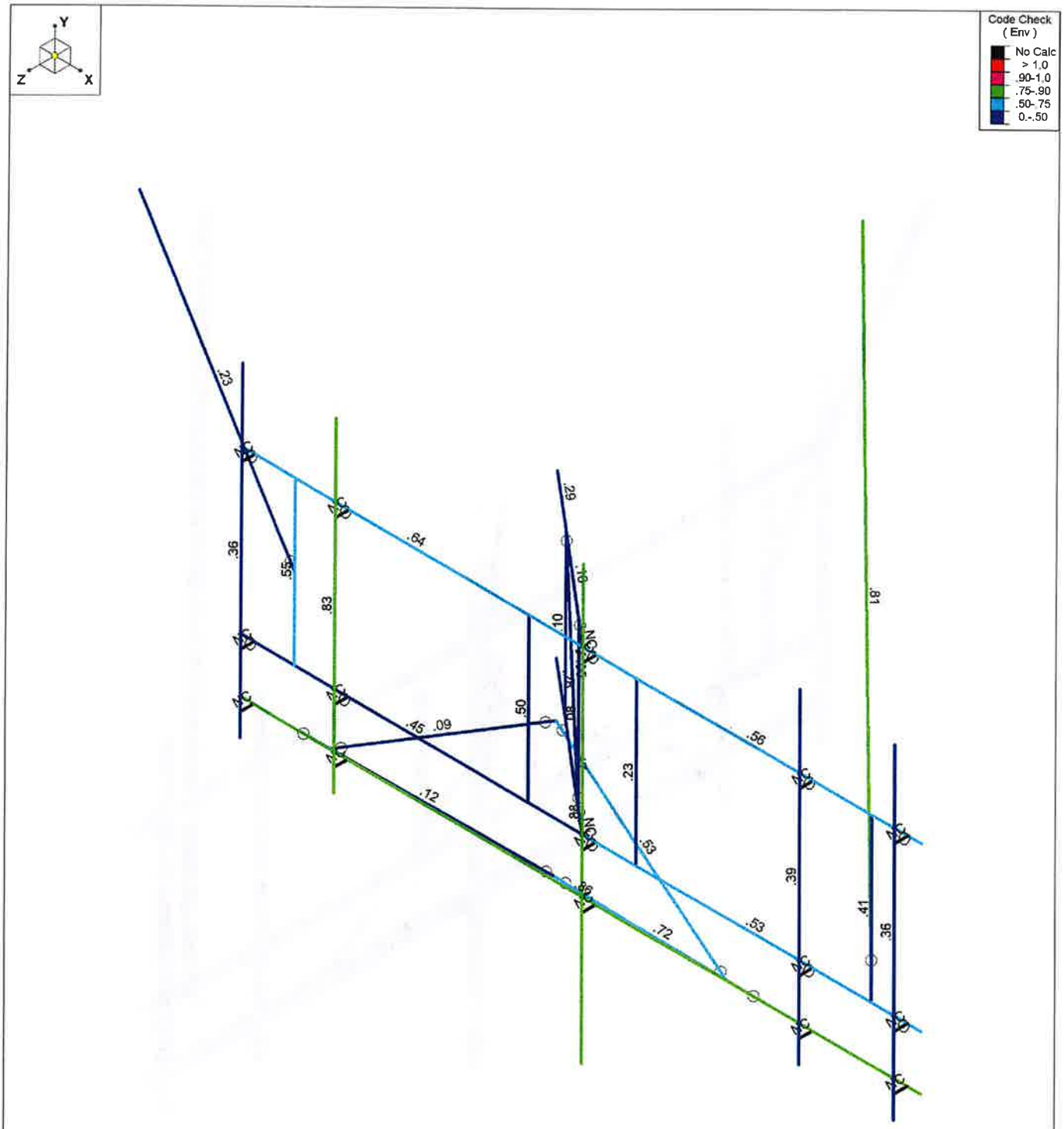


DETAIL A-A



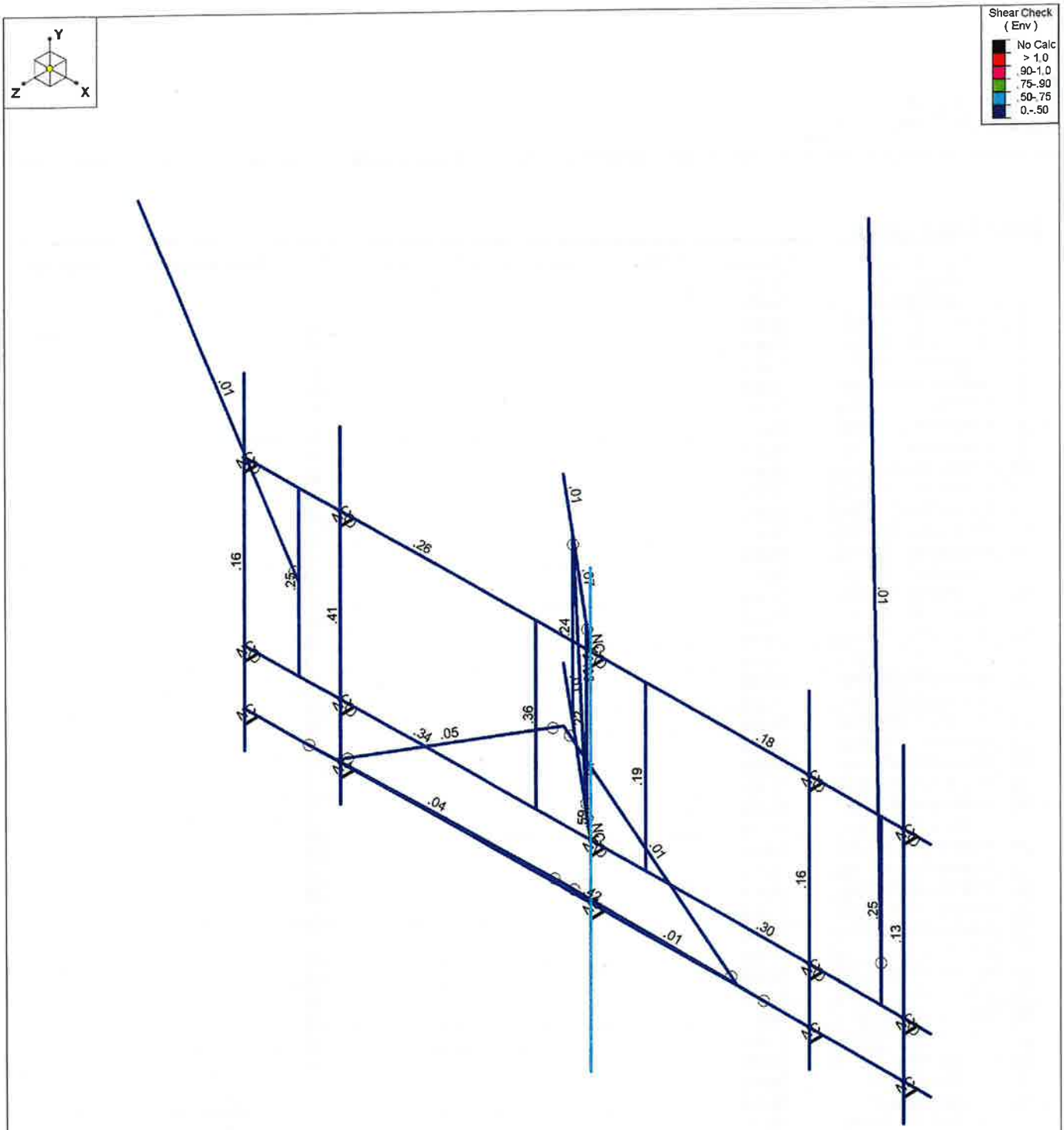
Envelope Only Solution

		SK - 1
		July 7, 2023 at 10:11 AM
		5000242993-VZW_MT_LOT_A_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

	SK - 2
	July 7, 2023 at 10:11 AM
	5000242993-VZW_MT_LOT_A_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

	SK - 3
	July 7, 2023 at 10:11 AM
	5000242993-VZW_MT_LOT_A_H.r3d

Basic Load Cases

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

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						54		
55	Structure Wi (60 Deg)	None						54		
56	Structure Wi (90 Deg)	None						54		
57	Structure Wi (120 De..	None						54		
58	Structure Wi (150 De..	None						54		
59	Structure Wi (180 De..	None						54		
60	Structure Wi (210 De..	None						54		
61	Structure Wi (240 De..	None						54		
62	Structure Wi (270 De..	None						54		
63	Structure Wi (300 De..	None						54		
64	Structure Wi (330 De..	None						54		
65	Structure Wm (0 Deg)	None						54		
66	Structure Wm (30 De..	None						54		
67	Structure Wm (60 De..	None						54		
68	Structure Wm (90 De..	None						54		
69	Structure Wm (120 D..	None						54		
70	Structure Wm (150 D..	None						54		
71	Structure Wm (180 D..	None						54		
72	Structure Wm (210 D..	None						54		
73	Structure Wm (240 D..	None						54		
74	Structure Wm (270 D..	None						54		
75	Structure Wm (300 D..	None						54		
76	Structure Wm (330 D..	None						54		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					33			
82	Antenna Eh (0 Deg)	None					22			
83	Antenna Eh (90 Deg)	None					22			
84	Structure Ev	ELY		-.023						
85	Structure Eh (0 Deg)	ELZ			-.057					
86	Structure Eh (90 Deg)	ELX	.057							

Load Combinations

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

Load Combinations (Continued)

	Description	Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 D...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 D...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 D...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 D...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 D...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 D...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 D...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 D...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 D...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 D...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 D...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 D...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 D...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 D...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 D...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 D...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	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 + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-4	0	4	0	
2	N2	-10.333333	0	4	0	
3	N3	2.25	0	4	0	
4	N4	1.333333	0	4	0	
5	N5	-3	0	4	0	
6	N6	-5	0	4	0	
7	N7	-9.333333	0	4	0	
8	N12A	2	0	4	0	
9	N15	2	0	4.25	0	
10	N16	-4	3	4	0	
11	N17	-10.333333	3	4	0	
12	N18	2.25	3	4	0	
13	N19	1.333333	3	4	0	
14	N20	-3	3	4	0	
15	N21	-5	3	4	0	
16	N22	-9.333333	3	4	0	
17	N27	2	3	4	0	
18	N30	2	3	4.25	0	
19	N31	-4.191511	0	3.839302	0	
20	N32	-4.191511	3	3.839302	0	
21	N33	-7.064169	0	1.428839	0	
22	N34	-7.064169	3	1.428839	0	
23	N35	-6.298127	0	2.071629	0	
24	N36	-6.298127	3	2.071629	0	
25	N40	2	4.583333	4.25	0	
26	N44	2	-1.416667	4.25	0	
27	N47	-4.446859	3	3.62504	0	
28	N48	-4.446859	0	3.62504	0	
29	N49	-6.042785	3	2.2859	0	
30	N50	-6.042785	0	2.2859	0	
31	N50A	-9.333333	1.5	4	0	
32	N52	-8.596258	1.5	0.143264	0	
33	N35A	.25	0	4	0	
34	N36A	.25	0	4.25	0	
35	N37	.25	3	4	0	
36	N38	.25	3	4.25	0	
37	N39	.25	4.583333	4.25	0	
38	N40A	.25	-1.416667	4.25	0	
39	N41	-3.75	0	4	0	
40	N42	-3.75	0	4.25	0	
41	N43	-3.75	3	4	0	
42	N44A	-3.75	3	4.25	0	
43	N45	-3.75	4.583333	4.25	0	
44	N46	-3.75	-3.416667	4.25	0	
45	N47A	-8.333333	0	4	0	
46	N48A	-8.333333	0	4.25	0	
47	N49A	-8.333333	3	4	0	
48	N50B	-8.333333	3	4.25	0	
49	N51A	-8.333333	4.583333	4.25	0	
50	N52B	-8.333333	-1.416667	4.25	0	
51	N53	-10.083333	0	4	0	
52	N54	-10.083333	0	4.25	0	
53	N55	-10.083333	3	4	0	
54	N56	-10.083333	3	4.25	0	
55	N57	-10.083333	4.583333	4.25	0	
56	N58	-10.083333	-1.416667	4.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N59	-7.526988	3	1.040488	0	
58	N60	-16.882661	1.5	-0.60917	0	
59	N61	-10.776179	.5	-7.886592	0	
60	N62	-10.083333	1.5	4.25	0	
61	N63	-10.083333	3.25	4.25	0	
62	N64	-10.083333	-.25	4.25	0	
63	N65	-10.083333	2.5	4.25	0	
64	N66	-10.083333	.5	4.25	0	
65	N67	-10.083333	3.833333	4.25	0	
66	N66A	-4	-1	4	0	
67	N67A	-10.333333	-1	4	0	
68	N68	2.25	-1	4	0	
69	N69	-0.666667	-1	4	0	
70	N70	-3	-1	4	0	
71	N71	-5	-1	4	0	
72	N72	-9.333333	-1	4	0	
73	N73	2	-1	4	0	
74	N74	2	-1	4.25	0	
75	N75	.25	-1	4	0	
76	N76	.25	-1	4.25	0	
77	N77	-3.75	-1	4	0	
78	N78	-3.75	-1	4.25	0	
79	N79	-8.333333	-1	4	0	
80	N80	-8.333333	-1	4.25	0	
81	N81	-10.083333	-1	4	0	
82	N82	-10.083333	-1	4.25	0	
83	N83	-7.064169	-3.5	1.428839	0	
84	N85	1.333333	.5	4	0	
85	N85A	-7.064169	-1	1.428839	0	
86	N86	-8.666667	-1	4	0	
87	N87	-1.333333	-1	4	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	None	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Mod Face Horizontal	PIPE_2.5	None	None	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
3	Horizontal Face	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Mod V-kit	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026
5	Face Vertical	PIPE_2.0	None	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
6	TES Standoff Horiz...	L3X3X6	None	None	A36 Gr.36	Typical	2.11	1.75	1.75	.101
7	Standoff Horizontal D	LL3x3x4x3	None	None	A36 Gr.36	Typical	2.88	5.48	2.46	.063
8	Standoff Vertical	PIPE_2.0	None	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
9	Standoff Diagonal	SR 0.75	None	None	A36 Gr.36	Typical	.442	.016	.016	.031
10	Stabilizer	PIPE_2.0	None	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
11	Mod Mount Pipe	PIPE_2.5	None	None	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
12	End Plate	PL3/8x7	None	None	A36 Gr.36	Typical	2.625	.031	10.719	.119
13	TES End Plate	PL3/8x6	None	None	A36 Gr.36	Typical	2.25	.026	6.75	.101
14	TES Standoff Horiz...	LL3x3x4x3	None	None	A36 Gr.36	Typical	2.88	5.48	2.46	.063

Hot Rolled Steel Properties

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N1		180	Horizontal Face	None	None	A36 Gr.36	Typical
2	M2	N1	N3		180	Horizontal Face	None	None	A36 Gr.36	Typical
3	M6	N12A	N15			RIGID	None	None	RIGID	Typical
4	M7A	N17	N16		180	Horizontal Face	None	None	A36 Gr.36	Typical
5	M8	N16	N18		180	Horizontal Face	None	None	A36 Gr.36	Typical
6	M12	N27	N30			RIGID	None	None	RIGID	Typical
7	M13	N7	N22			Face Vertical	None	None	A53 Gr. B	Typical
8	RRU	N6	N21			Face Vertical	None	None	A53 Gr. B	Typical
9	M15	N5	N20			Face Vertical	None	None	A53 Gr. B	Typical
10	M16	N4	N19			Face Vertical	None	None	A53 Gr. B	Typical
11	M17	N16	N32			RIGID	None	None	RIGID	Typical
12	M18	N1	N31			RIGID	None	None	RIGID	Typical
13	M19	N32	N36		270	Standoff Horiz...	None	None	A36 Gr.36	Typical
14	M20	N31	N35		90	TES Standoff ...	None	None	A36 Gr.36	Typical
15	M25	N36	N34		90	End Plate	None	None	A36 Gr.36	Typical
16	M26	N35	N33		90	End Plate	None	None	A36 Gr.36	Typical
17	M27	N50	N49			Standoff Vertical	None	None	A53 Gr. B	Typical
18	M28	N48	N47			Standoff Vertical	None	None	A53 Gr. B	Typical
19	M29	N49	N48			Standoff Diago...	None	None	A36 Gr.36	Typical
20	MP1A	N40	N44			Antenna Pipe	None	None	A53 Gr. B	Typical
21	M30	N50A	N60			Stabilizer	None	None	A53 Gr. B	Typical
22	M25A	N35A	N36A			RIGID	None	None	RIGID	Typical
23	M26A	N37	N38			RIGID	None	None	RIGID	Typical
24	MP2A	N39	N40A			Antenna Pipe	None	None	A53 Gr. B	Typical
25	M28A	N41	N42			RIGID	None	None	RIGID	Typical
26	M29A	N43	N44A			RIGID	None	None	RIGID	Typical
27	MP3A	N45	N46			Mod Mount Pipe	None	None	A53 Gr. B	Typical
28	M31A	N47A	N48A			RIGID	None	None	RIGID	Typical
29	M32A	N49A	N50B			RIGID	None	None	RIGID	Typical
30	MP4A	N51A	N52B			Antenna Pipe	None	None	A53 Gr. B	Typical
31	M34	N53	N54			RIGID	None	None	RIGID	Typical
32	M35	N55	N56			RIGID	None	None	RIGID	Typical
33	MP5A	N57	N58			Antenna Pipe	None	None	A53 Gr. B	Typical
34	M35A	N67A	N68		180	Mod Face Hori...	None	None	A53 Gr. B	Typical
35	M36	N73	N74			RIGID	None	None	RIGID	Typical
36	M37	N75	N76			RIGID	None	None	RIGID	Typical
37	M38	N77	N78			RIGID	None	None	RIGID	Typical
38	M39	N79	N80			RIGID	None	None	RIGID	Typical
39	M40	N81	N82			RIGID	None	None	RIGID	Typical
40	M40A	N72	N83			Mod V-kit	None	None	A36 Gr.36	Typical
41	M41	N69	N83		270	Mod V-kit	None	None	A36 Gr.36	Typical
42	M42	N85	N61			Stabilizer	None	None	A53 Gr. B	Typical
43	M43	N86	N85A			Mod V-kit	None	None	A36 Gr.36	Typical
44	M44	N87	N85A		270	Mod V-kit	None	None	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M6		OOOXOO				Yes	** NA **			None
4	M7A						Yes	** NA **			None
5	M8						Yes	** NA **			None
6	M12		OOOXOO				Yes	** NA **			None
7	M13						Yes	** NA **			None
8	RRU						Yes	** NA **			None
9	M15						Yes	** NA **			None
10	M16						Yes	** NA **			None
11	M17						Yes	** NA **			None
12	M18						Yes	** NA **			None
13	M19	BenPIN					Yes	** NA **			None
14	M20	BenPIN					Yes	** NA **			None
15	M25						Yes	** NA **			None
16	M26						Yes	** NA **			None
17	M27						Yes	** NA **			None
18	M28						Yes	** NA **			None
19	M29	BenPIN	BenPIN				Yes	** NA **			None
20	MP1A						Yes	** NA **			None
21	M30	OOOOXO					Yes	** NA **			None
22	M25A		OOOXOO				Yes	** NA **			None
23	M26A		OOOXOO				Yes	** NA **			None
24	MP2A						Yes	** NA **			None
25	M28A		OOOXOO				Yes	** NA **			None
26	M29A		OOOXOO				Yes	** NA **			None
27	MP3A						Yes	** NA **			None
28	M31A		OOOXOO				Yes	** NA **			None
29	M32A		OOOXOO				Yes	** NA **			None
30	MP4A						Yes	** NA **			None
31	M34		OOOXOO				Yes	** NA **			None
32	M35		OOOXOO				Yes	** NA **			None
33	MP5A						Yes	** NA **			None
34	M35A						Yes	** NA **			None
35	M36						Yes	** NA **			None
36	M37						Yes	** NA **			None
37	M38						Yes	** NA **			None
38	M39						Yes	** NA **			None
39	M40						Yes	** NA **			None
40	M40A	BenPIN	BenPIN				Yes	** NA **			None
41	M41	BenPIN	BenPIN				Yes	** NA **			None
42	M42	OOOOXO					Yes	** NA **			None
43	M43	BenPIN	BenPIN				Yes	** NA **			None
44	M44	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	2.08
2	MP1A	My	-.022	2.08
3	MP1A	Mz	0	2.08
4	MP1A	Y	-43.55	4.08
5	MP1A	My	-.022	4.08
6	MP1A	Mz	0	4.08
7	MP3A	Y	-31.65	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3A	My	-.033	1.33
9	MP3A	Mz	.024	1.33
10	MP3A	Y	-31.65	4.83
11	MP3A	My	-.033	4.83
12	MP3A	Mz	.024	4.83
13	MP3A	Y	-31.65	1.33
14	MP3A	My	-.033	1.33
15	MP3A	Mz	-.024	1.33
16	MP3A	Y	-31.65	4.83
17	MP3A	My	-.033	4.83
18	MP3A	Mz	-.024	4.83
19	MP1A	Y	-84.4	3
20	MP1A	My	.042	3
21	MP1A	Mz	0	3
22	RRU	Y	-70.3	1.5
23	RRU	My	.035	1.5
24	RRU	Mz	0	1.5
25	MP4A	Y	-32	.75
26	MP4A	My	.013	.75
27	MP4A	Mz	0	.75
28	MP2A	Y	-10.4	4
29	MP2A	My	-.005	4
30	MP2A	Mz	-.007	4
31	MP3A	Y	-17.6	3
32	MP3A	My	.009	3
33	MP3A	Mz	0	3

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-36.586	2.08
2	MP1A	My	-.018	2.08
3	MP1A	Mz	0	2.08
4	MP1A	Y	-36.586	4.08
5	MP1A	My	-.018	4.08
6	MP1A	Mz	0	4.08
7	MP3A	Y	-71.823	1.33
8	MP3A	My	-.075	1.33
9	MP3A	Mz	.054	1.33
10	MP3A	Y	-71.823	4.83
11	MP3A	My	-.075	4.83
12	MP3A	Mz	.054	4.83
13	MP3A	Y	-71.823	1.33
14	MP3A	My	-.075	1.33
15	MP3A	Mz	-.054	1.33
16	MP3A	Y	-71.823	4.83
17	MP3A	My	-.075	4.83
18	MP3A	Mz	-.054	4.83
19	MP1A	Y	-46.145	3
20	MP1A	My	.023	3
21	MP1A	Mz	0	3
22	RRU	Y	-41.507	1.5
23	RRU	My	.021	1.5
24	RRU	Mz	0	1.5
25	MP4A	Y	-90.273	.75
26	MP4A	My	.038	.75
27	MP4A	Mz	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2A	Y	-11.075	4
29	MP2A	My	-.006	4
30	MP2A	Mz	-.007	4
31	MP3A	Y	-17.864	3
32	MP3A	My	.009	3
33	MP3A	Mz	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.08
2	MP1A	Z	-113.508	2.08
3	MP1A	Mx	0	2.08
4	MP1A	X	0	4.08
5	MP1A	Z	-113.508	4.08
6	MP1A	Mx	0	4.08
7	MP3A	X	0	1.33
8	MP3A	Z	-220.012	1.33
9	MP3A	Mx	-.165	1.33
10	MP3A	X	0	4.83
11	MP3A	Z	-220.012	4.83
12	MP3A	Mx	-.165	4.83
13	MP3A	X	0	1.33
14	MP3A	Z	-220.012	1.33
15	MP3A	Mx	.165	1.33
16	MP3A	X	0	4.83
17	MP3A	Z	-220.012	4.83
18	MP3A	Mx	.165	4.83
19	MP1A	X	0	3
20	MP1A	Z	-74.867	3
21	MP1A	Mx	0	3
22	RRU	X	0	1.5
23	RRU	Z	-74.867	1.5
24	RRU	Mx	0	1.5
25	MP4A	X	0	.75
26	MP4A	Z	-153.115	.75
27	MP4A	Mx	0	.75
28	MP2A	X	0	4
29	MP2A	Z	-17.871	4
30	MP2A	Mx	.012	4
31	MP3A	X	0	3
32	MP3A	Z	-46.369	3
33	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	48.12	2.08
2	MP1A	Z	-83.347	2.08
3	MP1A	Mx	-.024	2.08
4	MP1A	X	48.12	4.08
5	MP1A	Z	-83.347	4.08
6	MP1A	Mx	-.024	4.08
7	MP3A	X	100.567	1.33
8	MP3A	Z	-174.188	1.33
9	MP3A	Mx	-.235	1.33
10	MP3A	X	100.567	4.83
11	MP3A	Z	-174.188	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3A	Mx	-.235	4.83
13	MP3A	X	100.567	1.33
14	MP3A	Z	-174.188	1.33
15	MP3A	Mx	.026	1.33
16	MP3A	X	100.567	4.83
17	MP3A	Z	-174.188	4.83
18	MP3A	Mx	.026	4.83
19	MP1A	X	34.354	3
20	MP1A	Z	-59.503	3
21	MP1A	Mx	.017	3
22	RRU	X	33.207	1.5
23	RRU	Z	-57.516	1.5
24	RRU	Mx	.017	1.5
25	MP4A	X	71.969	.75
26	MP4A	Z	-124.654	.75
27	MP4A	Mx	.03	.75
28	MP2A	X	8.247	4
29	MP2A	Z	-14.285	4
30	MP2A	Mx	.005	4
31	MP3A	X	19.146	3
32	MP3A	Z	-33.163	3
33	MP3A	Mx	.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	53.439	2.08
2	MP1A	Z	-30.853	2.08
3	MP1A	Mx	-.027	2.08
4	MP1A	X	53.439	4.08
5	MP1A	Z	-30.853	4.08
6	MP1A	Mx	-.027	4.08
7	MP3A	X	141.49	1.33
8	MP3A	Z	-81.69	1.33
9	MP3A	Mx	-.209	1.33
10	MP3A	X	141.49	4.83
11	MP3A	Z	-81.69	4.83
12	MP3A	Mx	-.209	4.83
13	MP3A	X	141.49	1.33
14	MP3A	Z	-81.69	1.33
15	MP3A	Mx	-.086	1.33
16	MP3A	X	141.49	4.83
17	MP3A	Z	-81.69	4.83
18	MP3A	Mx	-.086	4.83
19	MP1A	X	48.837	3
20	MP1A	Z	-28.196	3
21	MP1A	Mx	.024	3
22	RRU	X	42.876	1.5
23	RRU	Z	-24.754	1.5
24	RRU	Mx	.021	1.5
25	MP4A	X	108.758	.75
26	MP4A	Z	-62.792	.75
27	MP4A	Mx	.045	.75
28	MP2A	X	11.901	4
29	MP2A	Z	-6.871	4
30	MP2A	Mx	-.001	4
31	MP3A	X	19.174	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3A	Z	-11.07	3
33	MP3A	Mx	.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	44.438	2.08
2	MP1A	Z	0	2.08
3	MP1A	Mx	-.022	2.08
4	MP1A	X	44.438	4.08
5	MP1A	Z	0	4.08
6	MP1A	Mx	-.022	4.08
7	MP3A	X	144.501	1.33
8	MP3A	Z	0	1.33
9	MP3A	Mx	-.151	1.33
10	MP3A	X	144.501	4.83
11	MP3A	Z	0	4.83
12	MP3A	Mx	-.151	4.83
13	MP3A	X	144.501	1.33
14	MP3A	Z	0	1.33
15	MP3A	Mx	-.151	1.33
16	MP3A	X	144.501	4.83
17	MP3A	Z	0	4.83
18	MP3A	Mx	-.151	4.83
19	MP1A	X	50.233	3
20	MP1A	Z	0	3
21	MP1A	Mx	.025	3
22	RRU	X	41.056	1.5
23	RRU	Z	0	1.5
24	RRU	Mx	.021	1.5
25	MP4A	X	116.406	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	.049	.75
28	MP2A	X	12.365	4
29	MP2A	Z	0	4
30	MP2A	Mx	-.006	4
31	MP3A	X	14.064	3
32	MP3A	Z	0	3
33	MP3A	Mx	.007	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	53.439	2.08
2	MP1A	Z	30.853	2.08
3	MP1A	Mx	-.027	2.08
4	MP1A	X	53.439	4.08
5	MP1A	Z	30.853	4.08
6	MP1A	Mx	-.027	4.08
7	MP3A	X	141.49	1.33
8	MP3A	Z	81.69	1.33
9	MP3A	Mx	-.086	1.33
10	MP3A	X	141.49	4.83
11	MP3A	Z	81.69	4.83
12	MP3A	Mx	-.086	4.83
13	MP3A	X	141.49	1.33
14	MP3A	Z	81.69	1.33
15	MP3A	Mx	-.209	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3A	X	141.49	4.83
17	MP3A	Z	81.69	4.83
18	MP3A	Mx	-.209	4.83
19	MP1A	X	48.837	3
20	MP1A	Z	28.196	3
21	MP1A	Mx	.024	3
22	RRU	X	42.876	1.5
23	RRU	Z	24.754	1.5
24	RRU	Mx	.021	1.5
25	MP4A	X	108.758	.75
26	MP4A	Z	62.792	.75
27	MP4A	Mx	.045	.75
28	MP2A	X	11.901	4
29	MP2A	Z	6.871	4
30	MP2A	Mx	-.011	4
31	MP3A	X	19.174	3
32	MP3A	Z	11.07	3
33	MP3A	Mx	.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	48.12	2.08
2	MP1A	Z	83.347	2.08
3	MP1A	Mx	-.024	2.08
4	MP1A	X	48.12	4.08
5	MP1A	Z	83.347	4.08
6	MP1A	Mx	-.024	4.08
7	MP3A	X	100.567	1.33
8	MP3A	Z	174.188	1.33
9	MP3A	Mx	.026	1.33
10	MP3A	X	100.567	4.83
11	MP3A	Z	174.188	4.83
12	MP3A	Mx	.026	4.83
13	MP3A	X	100.567	1.33
14	MP3A	Z	174.188	1.33
15	MP3A	Mx	-.235	1.33
16	MP3A	X	100.567	4.83
17	MP3A	Z	174.188	4.83
18	MP3A	Mx	-.235	4.83
19	MP1A	X	34.354	3
20	MP1A	Z	59.503	3
21	MP1A	Mx	.017	3
22	RRU	X	33.207	1.5
23	RRU	Z	57.516	1.5
24	RRU	Mx	.017	1.5
25	MP4A	X	71.969	.75
26	MP4A	Z	124.654	.75
27	MP4A	Mx	.03	.75
28	MP2A	X	8.247	4
29	MP2A	Z	14.285	4
30	MP2A	Mx	-.014	4
31	MP3A	X	19.146	3
32	MP3A	Z	33.163	3
33	MP3A	Mx	.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.08
2	MP1A	Z	113.508	2.08
3	MP1A	Mx	0	2.08
4	MP1A	X	0	4.08
5	MP1A	Z	113.508	4.08
6	MP1A	Mx	0	4.08
7	MP3A	X	0	1.33
8	MP3A	Z	220.012	1.33
9	MP3A	Mx	.165	1.33
10	MP3A	X	0	4.83
11	MP3A	Z	220.012	4.83
12	MP3A	Mx	.165	4.83
13	MP3A	X	0	1.33
14	MP3A	Z	220.012	1.33
15	MP3A	Mx	-.165	1.33
16	MP3A	X	0	4.83
17	MP3A	Z	220.012	4.83
18	MP3A	Mx	-.165	4.83
19	MP1A	X	0	3
20	MP1A	Z	74.867	3
21	MP1A	Mx	0	3
22	RRU	X	0	1.5
23	RRU	Z	74.867	1.5
24	RRU	Mx	0	1.5
25	MP4A	X	0	.75
26	MP4A	Z	153.115	.75
27	MP4A	Mx	0	.75
28	MP2A	X	0	4
29	MP2A	Z	17.871	4
30	MP2A	Mx	-.012	4
31	MP3A	X	0	3
32	MP3A	Z	46.369	3
33	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-48.12	2.08
2	MP1A	Z	83.347	2.08
3	MP1A	Mx	.024	2.08
4	MP1A	X	-48.12	4.08
5	MP1A	Z	83.347	4.08
6	MP1A	Mx	.024	4.08
7	MP3A	X	-100.567	1.33
8	MP3A	Z	174.188	1.33
9	MP3A	Mx	.235	1.33
10	MP3A	X	-100.567	4.83
11	MP3A	Z	174.188	4.83
12	MP3A	Mx	.235	4.83
13	MP3A	X	-100.567	1.33
14	MP3A	Z	174.188	1.33
15	MP3A	Mx	-.026	1.33
16	MP3A	X	-100.567	4.83
17	MP3A	Z	174.188	4.83
18	MP3A	Mx	-.026	4.83
19	MP1A	X	-34.354	3
20	MP1A	Z	59.503	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	-.017	3
22	RRU	X	-33.207	1.5
23	RRU	Z	57.516	1.5
24	RRU	Mx	-.017	1.5
25	MP4A	X	-71.969	.75
26	MP4A	Z	124.654	.75
27	MP4A	Mx	-.03	.75
28	MP2A	X	-8.247	4
29	MP2A	Z	14.285	4
30	MP2A	Mx	-.005	4
31	MP3A	X	-19.146	3
32	MP3A	Z	33.163	3
33	MP3A	Mx	-.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-53.439	2.08
2	MP1A	Z	30.853	2.08
3	MP1A	Mx	.027	2.08
4	MP1A	X	-53.439	4.08
5	MP1A	Z	30.853	4.08
6	MP1A	Mx	.027	4.08
7	MP3A	X	-141.49	1.33
8	MP3A	Z	81.69	1.33
9	MP3A	Mx	.209	1.33
10	MP3A	X	-141.49	4.83
11	MP3A	Z	81.69	4.83
12	MP3A	Mx	.209	4.83
13	MP3A	X	-141.49	1.33
14	MP3A	Z	81.69	1.33
15	MP3A	Mx	.086	1.33
16	MP3A	X	-141.49	4.83
17	MP3A	Z	81.69	4.83
18	MP3A	Mx	.086	4.83
19	MP1A	X	-48.837	3
20	MP1A	Z	28.196	3
21	MP1A	Mx	-.024	3
22	RRU	X	-42.876	1.5
23	RRU	Z	24.754	1.5
24	RRU	Mx	-.021	1.5
25	MP4A	X	-108.758	.75
26	MP4A	Z	62.792	.75
27	MP4A	Mx	-.045	.75
28	MP2A	X	-11.901	4
29	MP2A	Z	6.871	4
30	MP2A	Mx	.001	4
31	MP3A	X	-19.174	3
32	MP3A	Z	11.07	3
33	MP3A	Mx	-.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-44.438	2.08
2	MP1A	Z	0	2.08
3	MP1A	Mx	.022	2.08
4	MP1A	X	-44.438	4.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	0	4.08
6	MP1A	Mx	.022	4.08
7	MP3A	X	-144.501	1.33
8	MP3A	Z	0	1.33
9	MP3A	Mx	.151	1.33
10	MP3A	X	-144.501	4.83
11	MP3A	Z	0	4.83
12	MP3A	Mx	.151	4.83
13	MP3A	X	-144.501	1.33
14	MP3A	Z	0	1.33
15	MP3A	Mx	.151	1.33
16	MP3A	X	-144.501	4.83
17	MP3A	Z	0	4.83
18	MP3A	Mx	.151	4.83
19	MP1A	X	-50.233	3
20	MP1A	Z	0	3
21	MP1A	Mx	-.025	3
22	RRU	X	-41.056	1.5
23	RRU	Z	0	1.5
24	RRU	Mx	-.021	1.5
25	MP4A	X	-116.406	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	-.049	.75
28	MP2A	X	-12.365	4
29	MP2A	Z	0	4
30	MP2A	Mx	.006	4
31	MP3A	X	-14.064	3
32	MP3A	Z	0	3
33	MP3A	Mx	-.007	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-53.439	2.08
2	MP1A	Z	-30.853	2.08
3	MP1A	Mx	.027	2.08
4	MP1A	X	-53.439	4.08
5	MP1A	Z	-30.853	4.08
6	MP1A	Mx	.027	4.08
7	MP3A	X	-141.49	1.33
8	MP3A	Z	-81.69	1.33
9	MP3A	Mx	.086	1.33
10	MP3A	X	-141.49	4.83
11	MP3A	Z	-81.69	4.83
12	MP3A	Mx	.086	4.83
13	MP3A	X	-141.49	1.33
14	MP3A	Z	-81.69	1.33
15	MP3A	Mx	.209	1.33
16	MP3A	X	-141.49	4.83
17	MP3A	Z	-81.69	4.83
18	MP3A	Mx	.209	4.83
19	MP1A	X	-48.837	3
20	MP1A	Z	-28.196	3
21	MP1A	Mx	-.024	3
22	RRU	X	-42.876	1.5
23	RRU	Z	-24.754	1.5
24	RRU	Mx	-.021	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	-108.758	.75
26	MP4A	Z	-62.792	.75
27	MP4A	Mx	-.045	.75
28	MP2A	X	-11.901	4
29	MP2A	Z	-6.871	4
30	MP2A	Mx	.011	4
31	MP3A	X	-19.174	3
32	MP3A	Z	-11.07	3
33	MP3A	Mx	-.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-48.12	2.08
2	MP1A	Z	-83.347	2.08
3	MP1A	Mx	.024	2.08
4	MP1A	X	-48.12	4.08
5	MP1A	Z	-83.347	4.08
6	MP1A	Mx	.024	4.08
7	MP3A	X	-100.567	1.33
8	MP3A	Z	-174.188	1.33
9	MP3A	Mx	-.026	1.33
10	MP3A	X	-100.567	4.83
11	MP3A	Z	-174.188	4.83
12	MP3A	Mx	-.026	4.83
13	MP3A	X	-100.567	1.33
14	MP3A	Z	-174.188	1.33
15	MP3A	Mx	.235	1.33
16	MP3A	X	-100.567	4.83
17	MP3A	Z	-174.188	4.83
18	MP3A	Mx	.235	4.83
19	MP1A	X	-34.354	3
20	MP1A	Z	-59.503	3
21	MP1A	Mx	-.017	3
22	RRU	X	-33.207	1.5
23	RRU	Z	-57.516	1.5
24	RRU	Mx	-.017	1.5
25	MP4A	X	-71.969	.75
26	MP4A	Z	-124.654	.75
27	MP4A	Mx	-.03	.75
28	MP2A	X	-8.247	4
29	MP2A	Z	-14.285	4
30	MP2A	Mx	.014	4
31	MP3A	X	-19.146	3
32	MP3A	Z	-33.163	3
33	MP3A	Mx	-.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.08
2	MP1A	Z	-20.576	2.08
3	MP1A	Mx	0	2.08
4	MP1A	X	0	4.08
5	MP1A	Z	-20.576	4.08
6	MP1A	Mx	0	4.08
7	MP3A	X	0	1.33
8	MP3A	Z	-38.661	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3A	Mx	-.029	1.33
10	MP3A	X	0	4.83
11	MP3A	Z	-38.661	4.83
12	MP3A	Mx	-.029	4.83
13	MP3A	X	0	1.33
14	MP3A	Z	-38.661	1.33
15	MP3A	Mx	.029	1.33
16	MP3A	X	0	4.83
17	MP3A	Z	-38.661	4.83
18	MP3A	Mx	.029	4.83
19	MP1A	X	0	3
20	MP1A	Z	-17.365	3
21	MP1A	Mx	0	3
22	RRU	X	0	1.5
23	RRU	Z	-17.365	1.5
24	RRU	Mx	0	1.5
25	MP4A	X	0	.75
26	MP4A	Z	-35.644	.75
27	MP4A	Mx	0	.75
28	MP2A	X	0	4
29	MP2A	Z	-4.235	4
30	MP2A	Mx	.003	4
31	MP3A	X	0	3
32	MP3A	Z	-9.561	3
33	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.814	2.08
2	MP1A	Z	-15.266	2.08
3	MP1A	Mx	-.004	2.08
4	MP1A	X	8.814	4.08
5	MP1A	Z	-15.266	4.08
6	MP1A	Mx	-.004	4.08
7	MP3A	X	17.797	1.33
8	MP3A	Z	-30.826	1.33
9	MP3A	Mx	-.042	1.33
10	MP3A	X	17.797	4.83
11	MP3A	Z	-30.826	4.83
12	MP3A	Mx	-.042	4.83
13	MP3A	X	17.797	1.33
14	MP3A	Z	-30.826	1.33
15	MP3A	Mx	.005	1.33
16	MP3A	X	17.797	4.83
17	MP3A	Z	-30.826	4.83
18	MP3A	Mx	.005	4.83
19	MP1A	X	8.023	3
20	MP1A	Z	-13.897	3
21	MP1A	Mx	.004	3
22	RRU	X	7.773	1.5
23	RRU	Z	-13.463	1.5
24	RRU	Mx	.004	1.5
25	MP4A	X	16.852	.75
26	MP4A	Z	-29.189	.75
27	MP4A	Mx	.007	.75
28	MP2A	X	1.986	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2A	Z	-3.44	4
30	MP2A	Mx	.001	4
31	MP3A	X	4.038	3
32	MP3A	Z	-6.994	3
33	MP3A	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.16	2.08
2	MP1A	Z	-5.866	2.08
3	MP1A	Mx	-.005	2.08
4	MP1A	X	10.16	4.08
5	MP1A	Z	-5.866	4.08
6	MP1A	Mx	-.005	4.08
7	MP3A	X	25.515	1.33
8	MP3A	Z	-14.731	1.33
9	MP3A	Mx	-.038	1.33
10	MP3A	X	25.515	4.83
11	MP3A	Z	-14.731	4.83
12	MP3A	Mx	-.038	4.83
13	MP3A	X	25.515	1.33
14	MP3A	Z	-14.731	1.33
15	MP3A	Mx	-.016	1.33
16	MP3A	X	25.515	4.83
17	MP3A	Z	-14.731	4.83
18	MP3A	Mx	-.016	4.83
19	MP1A	X	11.613	3
20	MP1A	Z	-6.705	3
21	MP1A	Mx	.006	3
22	RRU	X	10.311	1.5
23	RRU	Z	-5.953	1.5
24	RRU	Mx	.005	1.5
25	MP4A	X	25.831	.75
26	MP4A	Z	-14.913	.75
27	MP4A	Mx	.011	.75
28	MP2A	X	2.985	4
29	MP2A	Z	-1.723	4
30	MP2A	Mx	-.000344	4
31	MP3A	X	4.421	3
32	MP3A	Z	-2.553	3
33	MP3A	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.783	2.08
2	MP1A	Z	0	2.08
3	MP1A	Mx	-.004	2.08
4	MP1A	X	8.783	4.08
5	MP1A	Z	0	4.08
6	MP1A	Mx	-.004	4.08
7	MP3A	X	26.396	1.33
8	MP3A	Z	0	1.33
9	MP3A	Mx	-.027	1.33
10	MP3A	X	26.396	4.83
11	MP3A	Z	0	4.83
12	MP3A	Mx	-.027	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3A	X	26.396	1.33
14	MP3A	Z	0	1.33
15	MP3A	Mx	-.027	1.33
16	MP3A	X	26.396	4.83
17	MP3A	Z	0	4.83
18	MP3A	Mx	-.027	4.83
19	MP1A	X	12.091	3
20	MP1A	Z	0	3
21	MP1A	Mx	.006	3
22	RRU	X	10.087	1.5
23	RRU	Z	0	1.5
24	RRU	Mx	.005	1.5
25	MP4A	X	27.888	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	.012	.75
28	MP2A	X	3.183	4
29	MP2A	Z	0	4
30	MP2A	Mx	-.002	4
31	MP3A	X	3.62	3
32	MP3A	Z	0	3
33	MP3A	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.16	2.08
2	MP1A	Z	5.866	2.08
3	MP1A	Mx	-.005	2.08
4	MP1A	X	10.16	4.08
5	MP1A	Z	5.866	4.08
6	MP1A	Mx	-.005	4.08
7	MP3A	X	25.515	1.33
8	MP3A	Z	14.731	1.33
9	MP3A	Mx	-.016	1.33
10	MP3A	X	25.515	4.83
11	MP3A	Z	14.731	4.83
12	MP3A	Mx	-.016	4.83
13	MP3A	X	25.515	1.33
14	MP3A	Z	14.731	1.33
15	MP3A	Mx	-.038	1.33
16	MP3A	X	25.515	4.83
17	MP3A	Z	14.731	4.83
18	MP3A	Mx	-.038	4.83
19	MP1A	X	11.613	3
20	MP1A	Z	6.705	3
21	MP1A	Mx	.006	3
22	RRU	X	10.311	1.5
23	RRU	Z	5.953	1.5
24	RRU	Mx	.005	1.5
25	MP4A	X	25.831	.75
26	MP4A	Z	14.913	.75
27	MP4A	Mx	.011	.75
28	MP2A	X	2.985	4
29	MP2A	Z	1.723	4
30	MP2A	Mx	-.003	4
31	MP3A	X	4.421	3
32	MP3A	Z	2.553	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3A	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.814	2.08
2	MP1A	Z	15.266	2.08
3	MP1A	Mx	-.004	2.08
4	MP1A	X	8.814	4.08
5	MP1A	Z	15.266	4.08
6	MP1A	Mx	-.004	4.08
7	MP3A	X	17.797	1.33
8	MP3A	Z	30.826	1.33
9	MP3A	Mx	.005	1.33
10	MP3A	X	17.797	4.83
11	MP3A	Z	30.826	4.83
12	MP3A	Mx	.005	4.83
13	MP3A	X	17.797	1.33
14	MP3A	Z	30.826	1.33
15	MP3A	Mx	-.042	1.33
16	MP3A	X	17.797	4.83
17	MP3A	Z	30.826	4.83
18	MP3A	Mx	-.042	4.83
19	MP1A	X	8.023	3
20	MP1A	Z	13.897	3
21	MP1A	Mx	.004	3
22	RRU	X	7.773	1.5
23	RRU	Z	13.463	1.5
24	RRU	Mx	.004	1.5
25	MP4A	X	16.852	.75
26	MP4A	Z	29.189	.75
27	MP4A	Mx	.007	.75
28	MP2A	X	1.986	4
29	MP2A	Z	3.44	4
30	MP2A	Mx	-.003	4
31	MP3A	X	4.038	3
32	MP3A	Z	6.994	3
33	MP3A	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.08
2	MP1A	Z	20.576	2.08
3	MP1A	Mx	0	2.08
4	MP1A	X	0	4.08
5	MP1A	Z	20.576	4.08
6	MP1A	Mx	0	4.08
7	MP3A	X	0	1.33
8	MP3A	Z	38.661	1.33
9	MP3A	Mx	.029	1.33
10	MP3A	X	0	4.83
11	MP3A	Z	38.661	4.83
12	MP3A	Mx	.029	4.83
13	MP3A	X	0	1.33
14	MP3A	Z	38.661	1.33
15	MP3A	Mx	-.029	1.33
16	MP3A	X	0	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3A	Z	38.661	4.83
18	MP3A	Mx	-.029	4.83
19	MP1A	X	0	3
20	MP1A	Z	17.365	3
21	MP1A	Mx	0	3
22	RRU	X	0	1.5
23	RRU	Z	17.365	1.5
24	RRU	Mx	0	1.5
25	MP4A	X	0	.75
26	MP4A	Z	35.644	.75
27	MP4A	Mx	0	.75
28	MP2A	X	0	4
29	MP2A	Z	4.235	4
30	MP2A	Mx	-.003	4
31	MP3A	X	0	3
32	MP3A	Z	9.561	3
33	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.814	2.08
2	MP1A	Z	15.266	2.08
3	MP1A	Mx	.004	2.08
4	MP1A	X	-8.814	4.08
5	MP1A	Z	15.266	4.08
6	MP1A	Mx	.004	4.08
7	MP3A	X	-17.797	1.33
8	MP3A	Z	30.826	1.33
9	MP3A	Mx	.042	1.33
10	MP3A	X	-17.797	4.83
11	MP3A	Z	30.826	4.83
12	MP3A	Mx	.042	4.83
13	MP3A	X	-17.797	1.33
14	MP3A	Z	30.826	1.33
15	MP3A	Mx	-.005	1.33
16	MP3A	X	-17.797	4.83
17	MP3A	Z	30.826	4.83
18	MP3A	Mx	-.005	4.83
19	MP1A	X	-8.023	3
20	MP1A	Z	13.897	3
21	MP1A	Mx	-.004	3
22	RRU	X	-7.773	1.5
23	RRU	Z	13.463	1.5
24	RRU	Mx	-.004	1.5
25	MP4A	X	-16.852	.75
26	MP4A	Z	29.189	.75
27	MP4A	Mx	-.007	.75
28	MP2A	X	-1.986	4
29	MP2A	Z	3.44	4
30	MP2A	Mx	-.001	4
31	MP3A	X	-4.038	3
32	MP3A	Z	6.994	3
33	MP3A	Mx	-.002	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.16	2.08
2	MP1A	Z	5.866	2.08
3	MP1A	Mx	.005	2.08
4	MP1A	X	-10.16	4.08
5	MP1A	Z	5.866	4.08
6	MP1A	Mx	.005	4.08
7	MP3A	X	-25.515	1.33
8	MP3A	Z	14.731	1.33
9	MP3A	Mx	.038	1.33
10	MP3A	X	-25.515	4.83
11	MP3A	Z	14.731	4.83
12	MP3A	Mx	.038	4.83
13	MP3A	X	-25.515	1.33
14	MP3A	Z	14.731	1.33
15	MP3A	Mx	.016	1.33
16	MP3A	X	-25.515	4.83
17	MP3A	Z	14.731	4.83
18	MP3A	Mx	.016	4.83
19	MP1A	X	-11.613	3
20	MP1A	Z	6.705	3
21	MP1A	Mx	-.006	3
22	RRU	X	-10.311	1.5
23	RRU	Z	5.953	1.5
24	RRU	Mx	-.005	1.5
25	MP4A	X	-25.831	.75
26	MP4A	Z	14.913	.75
27	MP4A	Mx	-.011	.75
28	MP2A	X	-2.985	4
29	MP2A	Z	1.723	4
30	MP2A	Mx	.000344	4
31	MP3A	X	-4.421	3
32	MP3A	Z	2.553	3
33	MP3A	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.783	2.08
2	MP1A	Z	0	2.08
3	MP1A	Mx	.004	2.08
4	MP1A	X	-8.783	4.08
5	MP1A	Z	0	4.08
6	MP1A	Mx	.004	4.08
7	MP3A	X	-26.396	1.33
8	MP3A	Z	0	1.33
9	MP3A	Mx	.027	1.33
10	MP3A	X	-26.396	4.83
11	MP3A	Z	0	4.83
12	MP3A	Mx	.027	4.83
13	MP3A	X	-26.396	1.33
14	MP3A	Z	0	1.33
15	MP3A	Mx	.027	1.33
16	MP3A	X	-26.396	4.83
17	MP3A	Z	0	4.83
18	MP3A	Mx	.027	4.83
19	MP1A	X	-12.091	3
20	MP1A	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	-.006	3
22	RRU	X	-10.087	1.5
23	RRU	Z	0	1.5
24	RRU	Mx	-.005	1.5
25	MP4A	X	-27.888	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	-.012	.75
28	MP2A	X	-3.183	4
29	MP2A	Z	0	4
30	MP2A	Mx	.002	4
31	MP3A	X	-3.62	3
32	MP3A	Z	0	3
33	MP3A	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.16	2.08
2	MP1A	Z	-5.866	2.08
3	MP1A	Mx	.005	2.08
4	MP1A	X	-10.16	4.08
5	MP1A	Z	-5.866	4.08
6	MP1A	Mx	.005	4.08
7	MP3A	X	-25.515	1.33
8	MP3A	Z	-14.731	1.33
9	MP3A	Mx	.016	1.33
10	MP3A	X	-25.515	4.83
11	MP3A	Z	-14.731	4.83
12	MP3A	Mx	.016	4.83
13	MP3A	X	-25.515	1.33
14	MP3A	Z	-14.731	1.33
15	MP3A	Mx	.038	1.33
16	MP3A	X	-25.515	4.83
17	MP3A	Z	-14.731	4.83
18	MP3A	Mx	.038	4.83
19	MP1A	X	-11.613	3
20	MP1A	Z	-6.705	3
21	MP1A	Mx	-.006	3
22	RRU	X	-10.311	1.5
23	RRU	Z	-5.953	1.5
24	RRU	Mx	-.005	1.5
25	MP4A	X	-25.831	.75
26	MP4A	Z	-14.913	.75
27	MP4A	Mx	-.011	.75
28	MP2A	X	-2.985	4
29	MP2A	Z	-1.723	4
30	MP2A	Mx	.003	4
31	MP3A	X	-4.421	3
32	MP3A	Z	-2.553	3
33	MP3A	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.814	2.08
2	MP1A	Z	-15.266	2.08
3	MP1A	Mx	.004	2.08
4	MP1A	X	-8.814	4.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	-15.266	4.08
6	MP1A	Mx	.004	4.08
7	MP3A	X	-17.797	1.33
8	MP3A	Z	-30.826	1.33
9	MP3A	Mx	-.005	1.33
10	MP3A	X	-17.797	4.83
11	MP3A	Z	-30.826	4.83
12	MP3A	Mx	-.005	4.83
13	MP3A	X	-17.797	1.33
14	MP3A	Z	-30.826	1.33
15	MP3A	Mx	.042	1.33
16	MP3A	X	-17.797	4.83
17	MP3A	Z	-30.826	4.83
18	MP3A	Mx	.042	4.83
19	MP1A	X	-8.023	3
20	MP1A	Z	-13.897	3
21	MP1A	Mx	-.004	3
22	RRU	X	-7.773	1.5
23	RRU	Z	-13.463	1.5
24	RRU	Mx	-.004	1.5
25	MP4A	X	-16.852	.75
26	MP4A	Z	-29.189	.75
27	MP4A	Mx	-.007	.75
28	MP2A	X	-1.986	4
29	MP2A	Z	-3.44	4
30	MP2A	Mx	.003	4
31	MP3A	X	-4.038	3
32	MP3A	Z	-6.994	3
33	MP3A	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.08
2	MP1A	Z	-6.538	2.08
3	MP1A	Mx	0	2.08
4	MP1A	X	0	4.08
5	MP1A	Z	-6.538	4.08
6	MP1A	Mx	0	4.08
7	MP3A	X	0	1.33
8	MP3A	Z	-12.673	1.33
9	MP3A	Mx	-.01	1.33
10	MP3A	X	0	4.83
11	MP3A	Z	-12.673	4.83
12	MP3A	Mx	-.01	4.83
13	MP3A	X	0	1.33
14	MP3A	Z	-12.673	1.33
15	MP3A	Mx	.01	1.33
16	MP3A	X	0	4.83
17	MP3A	Z	-12.673	4.83
18	MP3A	Mx	.01	4.83
19	MP1A	X	0	3
20	MP1A	Z	-4.312	3
21	MP1A	Mx	0	3
22	RRU	X	0	1.5
23	RRU	Z	-4.312	1.5
24	RRU	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	0	.75
26	MP4A	Z	-8.819	.75
27	MP4A	Mx	0	.75
28	MP2A	X	0	4
29	MP2A	Z	-1.029	4
30	MP2A	Mx	.000686	4
31	MP3A	X	0	3
32	MP3A	Z	-2.671	3
33	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.772	2.08
2	MP1A	Z	-4.801	2.08
3	MP1A	Mx	-.001	2.08
4	MP1A	X	2.772	4.08
5	MP1A	Z	-4.801	4.08
6	MP1A	Mx	-.001	4.08
7	MP3A	X	5.793	1.33
8	MP3A	Z	-10.033	1.33
9	MP3A	Mx	-.014	1.33
10	MP3A	X	5.793	4.83
11	MP3A	Z	-10.033	4.83
12	MP3A	Mx	-.014	4.83
13	MP3A	X	5.793	1.33
14	MP3A	Z	-10.033	1.33
15	MP3A	Mx	.001	1.33
16	MP3A	X	5.793	4.83
17	MP3A	Z	-10.033	4.83
18	MP3A	Mx	.001	4.83
19	MP1A	X	1.979	3
20	MP1A	Z	-3.427	3
21	MP1A	Mx	.00099	3
22	RRU	X	1.913	1.5
23	RRU	Z	-3.313	1.5
24	RRU	Mx	.000956	1.5
25	MP4A	X	4.145	.75
26	MP4A	Z	-7.18	.75
27	MP4A	Mx	.002	.75
28	MP2A	X	.475	4
29	MP2A	Z	-.823	4
30	MP2A	Mx	.000311	4
31	MP3A	X	1.103	3
32	MP3A	Z	-1.91	3
33	MP3A	Mx	.000552	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.078	2.08
2	MP1A	Z	-1.777	2.08
3	MP1A	Mx	-.002	2.08
4	MP1A	X	3.078	4.08
5	MP1A	Z	-1.777	4.08
6	MP1A	Mx	-.002	4.08
7	MP3A	X	8.15	1.33
8	MP3A	Z	-4.705	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3A	Mx	-.012	1.33
10	MP3A	X	8.15	4.83
11	MP3A	Z	-4.705	4.83
12	MP3A	Mx	-.012	4.83
13	MP3A	X	8.15	1.33
14	MP3A	Z	-4.705	1.33
15	MP3A	Mx	-.005	1.33
16	MP3A	X	8.15	4.83
17	MP3A	Z	-4.705	4.83
18	MP3A	Mx	-.005	4.83
19	MP1A	X	2.813	3
20	MP1A	Z	-1.624	3
21	MP1A	Mx	.001	3
22	RRU	X	2.47	1.5
23	RRU	Z	-1.426	1.5
24	RRU	Mx	.001	1.5
25	MP4A	X	6.264	.75
26	MP4A	Z	-3.617	.75
27	MP4A	Mx	.003	.75
28	MP2A	X	.685	4
29	MP2A	Z	-.396	4
30	MP2A	Mx	-7.9e-5	4
31	MP3A	X	1.104	3
32	MP3A	Z	-.638	3
33	MP3A	Mx	.000552	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.56	2.08
2	MP1A	Z	0	2.08
3	MP1A	Mx	-.001	2.08
4	MP1A	X	2.56	4.08
5	MP1A	Z	0	4.08
6	MP1A	Mx	-.001	4.08
7	MP3A	X	8.323	1.33
8	MP3A	Z	0	1.33
9	MP3A	Mx	-.009	1.33
10	MP3A	X	8.323	4.83
11	MP3A	Z	0	4.83
12	MP3A	Mx	-.009	4.83
13	MP3A	X	8.323	1.33
14	MP3A	Z	0	1.33
15	MP3A	Mx	-.009	1.33
16	MP3A	X	8.323	4.83
17	MP3A	Z	0	4.83
18	MP3A	Mx	-.009	4.83
19	MP1A	X	2.893	3
20	MP1A	Z	0	3
21	MP1A	Mx	.001	3
22	RRU	X	2.365	1.5
23	RRU	Z	0	1.5
24	RRU	Mx	.001	1.5
25	MP4A	X	6.705	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	.003	.75
28	MP2A	X	.712	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2A	Z	0	4
30	MP2A	Mx	-.000356	4
31	MP3A	X	.81	3
32	MP3A	Z	0	3
33	MP3A	Mx	.000405	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.078	2.08
2	MP1A	Z	1.777	2.08
3	MP1A	Mx	-.002	2.08
4	MP1A	X	3.078	4.08
5	MP1A	Z	1.777	4.08
6	MP1A	Mx	-.002	4.08
7	MP3A	X	8.15	1.33
8	MP3A	Z	4.705	1.33
9	MP3A	Mx	-.005	1.33
10	MP3A	X	8.15	4.83
11	MP3A	Z	4.705	4.83
12	MP3A	Mx	-.005	4.83
13	MP3A	X	8.15	1.33
14	MP3A	Z	4.705	1.33
15	MP3A	Mx	-.012	1.33
16	MP3A	X	8.15	4.83
17	MP3A	Z	4.705	4.83
18	MP3A	Mx	-.012	4.83
19	MP1A	X	2.813	3
20	MP1A	Z	1.624	3
21	MP1A	Mx	.001	3
22	RRU	X	2.47	1.5
23	RRU	Z	1.426	1.5
24	RRU	Mx	.001	1.5
25	MP4A	X	6.264	.75
26	MP4A	Z	3.617	.75
27	MP4A	Mx	.003	.75
28	MP2A	X	.685	4
29	MP2A	Z	.396	4
30	MP2A	Mx	-.000606	4
31	MP3A	X	1.104	3
32	MP3A	Z	.638	3
33	MP3A	Mx	.000552	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.772	2.08
2	MP1A	Z	4.801	2.08
3	MP1A	Mx	-.001	2.08
4	MP1A	X	2.772	4.08
5	MP1A	Z	4.801	4.08
6	MP1A	Mx	-.001	4.08
7	MP3A	X	5.793	1.33
8	MP3A	Z	10.033	1.33
9	MP3A	Mx	.001	1.33
10	MP3A	X	5.793	4.83
11	MP3A	Z	10.033	4.83
12	MP3A	Mx	.001	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3A	X	5.793	1.33
14	MP3A	Z	10.033	1.33
15	MP3A	Mx	-.014	1.33
16	MP3A	X	5.793	4.83
17	MP3A	Z	10.033	4.83
18	MP3A	Mx	-.014	4.83
19	MP1A	X	1.979	3
20	MP1A	Z	3.427	3
21	MP1A	Mx	.00099	3
22	RRU	X	1.913	1.5
23	RRU	Z	3.313	1.5
24	RRU	Mx	.000956	1.5
25	MP4A	X	4.145	.75
26	MP4A	Z	7.18	.75
27	MP4A	Mx	.002	.75
28	MP2A	X	.475	4
29	MP2A	Z	.823	4
30	MP2A	Mx	-.000786	4
31	MP3A	X	1.103	3
32	MP3A	Z	1.91	3
33	MP3A	Mx	.000552	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.08
2	MP1A	Z	6.538	2.08
3	MP1A	Mx	0	2.08
4	MP1A	X	0	4.08
5	MP1A	Z	6.538	4.08
6	MP1A	Mx	0	4.08
7	MP3A	X	0	1.33
8	MP3A	Z	12.673	1.33
9	MP3A	Mx	.01	1.33
10	MP3A	X	0	4.83
11	MP3A	Z	12.673	4.83
12	MP3A	Mx	.01	4.83
13	MP3A	X	0	1.33
14	MP3A	Z	12.673	1.33
15	MP3A	Mx	-.01	1.33
16	MP3A	X	0	4.83
17	MP3A	Z	12.673	4.83
18	MP3A	Mx	-.01	4.83
19	MP1A	X	0	3
20	MP1A	Z	4.312	3
21	MP1A	Mx	0	3
22	RRU	X	0	1.5
23	RRU	Z	4.312	1.5
24	RRU	Mx	0	1.5
25	MP4A	X	0	.75
26	MP4A	Z	8.819	.75
27	MP4A	Mx	0	.75
28	MP2A	X	0	4
29	MP2A	Z	1.029	4
30	MP2A	Mx	-.000686	4
31	MP3A	X	0	3
32	MP3A	Z	2.671	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.772	2.08
2	MP1A	Z	4.801	2.08
3	MP1A	Mx	.001	2.08
4	MP1A	X	-2.772	4.08
5	MP1A	Z	4.801	4.08
6	MP1A	Mx	.001	4.08
7	MP3A	X	-5.793	1.33
8	MP3A	Z	10.033	1.33
9	MP3A	Mx	.014	1.33
10	MP3A	X	-5.793	4.83
11	MP3A	Z	10.033	4.83
12	MP3A	Mx	.014	4.83
13	MP3A	X	-5.793	1.33
14	MP3A	Z	10.033	1.33
15	MP3A	Mx	-.001	1.33
16	MP3A	X	-5.793	4.83
17	MP3A	Z	10.033	4.83
18	MP3A	Mx	-.001	4.83
19	MP1A	X	-1.979	3
20	MP1A	Z	3.427	3
21	MP1A	Mx	-.00099	3
22	RRU	X	-1.913	1.5
23	RRU	Z	3.313	1.5
24	RRU	Mx	-.000956	1.5
25	MP4A	X	-4.145	.75
26	MP4A	Z	7.18	.75
27	MP4A	Mx	-.002	.75
28	MP2A	X	-.475	4
29	MP2A	Z	.823	4
30	MP2A	Mx	-.000311	4
31	MP3A	X	-1.103	3
32	MP3A	Z	1.91	3
33	MP3A	Mx	-.000552	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.078	2.08
2	MP1A	Z	1.777	2.08
3	MP1A	Mx	.002	2.08
4	MP1A	X	-3.078	4.08
5	MP1A	Z	1.777	4.08
6	MP1A	Mx	.002	4.08
7	MP3A	X	-8.15	1.33
8	MP3A	Z	4.705	1.33
9	MP3A	Mx	.012	1.33
10	MP3A	X	-8.15	4.83
11	MP3A	Z	4.705	4.83
12	MP3A	Mx	.012	4.83
13	MP3A	X	-8.15	1.33
14	MP3A	Z	4.705	1.33
15	MP3A	Mx	.005	1.33
16	MP3A	X	-8.15	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3A	Z	4.705	4.83
18	MP3A	Mx	.005	4.83
19	MP1A	X	-2.813	3
20	MP1A	Z	1.624	3
21	MP1A	Mx	-.001	3
22	RRU	X	-2.47	1.5
23	RRU	Z	1.426	1.5
24	RRU	Mx	-.001	1.5
25	MP4A	X	-6.264	.75
26	MP4A	Z	3.617	.75
27	MP4A	Mx	-.003	.75
28	MP2A	X	-.685	4
29	MP2A	Z	.396	4
30	MP2A	Mx	7.9e-5	4
31	MP3A	X	-1.104	3
32	MP3A	Z	.638	3
33	MP3A	Mx	-.000552	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.56	2.08
2	MP1A	Z	0	2.08
3	MP1A	Mx	.001	2.08
4	MP1A	X	-2.56	4.08
5	MP1A	Z	0	4.08
6	MP1A	Mx	.001	4.08
7	MP3A	X	-8.323	1.33
8	MP3A	Z	0	1.33
9	MP3A	Mx	.009	1.33
10	MP3A	X	-8.323	4.83
11	MP3A	Z	0	4.83
12	MP3A	Mx	.009	4.83
13	MP3A	X	-8.323	1.33
14	MP3A	Z	0	1.33
15	MP3A	Mx	.009	1.33
16	MP3A	X	-8.323	4.83
17	MP3A	Z	0	4.83
18	MP3A	Mx	.009	4.83
19	MP1A	X	-2.893	3
20	MP1A	Z	0	3
21	MP1A	Mx	-.001	3
22	RRU	X	-2.365	1.5
23	RRU	Z	0	1.5
24	RRU	Mx	-.001	1.5
25	MP4A	X	-6.705	.75
26	MP4A	Z	0	.75
27	MP4A	Mx	-.003	.75
28	MP2A	X	-.712	4
29	MP2A	Z	0	4
30	MP2A	Mx	.000356	4
31	MP3A	X	-.81	3
32	MP3A	Z	0	3
33	MP3A	Mx	-.000405	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.078	2.08
2	MP1A	Z	-1.777	2.08
3	MP1A	Mx	.002	2.08
4	MP1A	X	-3.078	4.08
5	MP1A	Z	-1.777	4.08
6	MP1A	Mx	.002	4.08
7	MP3A	X	-8.15	1.33
8	MP3A	Z	-4.705	1.33
9	MP3A	Mx	.005	1.33
10	MP3A	X	-8.15	4.83
11	MP3A	Z	-4.705	4.83
12	MP3A	Mx	.005	4.83
13	MP3A	X	-8.15	1.33
14	MP3A	Z	-4.705	1.33
15	MP3A	Mx	.012	1.33
16	MP3A	X	-8.15	4.83
17	MP3A	Z	-4.705	4.83
18	MP3A	Mx	.012	4.83
19	MP1A	X	-2.813	3
20	MP1A	Z	-1.624	3
21	MP1A	Mx	-.001	3
22	RRU	X	-2.47	1.5
23	RRU	Z	-1.426	1.5
24	RRU	Mx	-.001	1.5
25	MP4A	X	-6.264	.75
26	MP4A	Z	-3.617	.75
27	MP4A	Mx	-.003	.75
28	MP2A	X	-.685	4
29	MP2A	Z	-.396	4
30	MP2A	Mx	.000606	4
31	MP3A	X	-1.104	3
32	MP3A	Z	-.638	3
33	MP3A	Mx	-.000552	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.772	2.08
2	MP1A	Z	-4.801	2.08
3	MP1A	Mx	.001	2.08
4	MP1A	X	-2.772	4.08
5	MP1A	Z	-4.801	4.08
6	MP1A	Mx	.001	4.08
7	MP3A	X	-5.793	1.33
8	MP3A	Z	-10.033	1.33
9	MP3A	Mx	-.001	1.33
10	MP3A	X	-5.793	4.83
11	MP3A	Z	-10.033	4.83
12	MP3A	Mx	-.001	4.83
13	MP3A	X	-5.793	1.33
14	MP3A	Z	-10.033	1.33
15	MP3A	Mx	.014	1.33
16	MP3A	X	-5.793	4.83
17	MP3A	Z	-10.033	4.83
18	MP3A	Mx	.014	4.83
19	MP1A	X	-1.979	3
20	MP1A	Z	-3.427	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	-.00099	3
22	RRU	X	-1.913	1.5
23	RRU	Z	-3.313	1.5
24	RRU	Mx	-.000956	1.5
25	MP4A	X	-4.145	.75
26	MP4A	Z	-7.18	.75
27	MP4A	Mx	-.002	.75
28	MP2A	X	-.475	4
29	MP2A	Z	-.823	4
30	MP2A	Mx	.000786	4
31	MP3A	X	-1.103	3
32	MP3A	Z	-1.91	3
33	MP3A	Mx	-.000552	3

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M36	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M38	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M35A	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M35A	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-.993	2.08
2	MP1A	My	-.000496	2.08
3	MP1A	Mz	0	2.08
4	MP1A	Y	-.993	4.08
5	MP1A	My	-.000496	4.08
6	MP1A	Mz	0	4.08
7	MP3A	Y	-.722	1.33
8	MP3A	My	-.000752	1.33
9	MP3A	Mz	.000541	1.33
10	MP3A	Y	-.722	4.83
11	MP3A	My	-.000752	4.83
12	MP3A	Mz	.000541	4.83
13	MP3A	Y	-.722	1.33
14	MP3A	My	-.000752	1.33
15	MP3A	Mz	-.000541	1.33
16	MP3A	Y	-.722	4.83
17	MP3A	My	-.000752	4.83
18	MP3A	Mz	-.000541	4.83
19	MP1A	Y	-1.924	3
20	MP1A	My	.000962	3
21	MP1A	Mz	0	3
22	RRU	Y	-1.603	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	RRU	My	.000801	1.5
24	RRU	Mz	0	1.5
25	MP4A	Y	-.73	.75
26	MP4A	My	.000304	.75
27	MP4A	Mz	0	.75
28	MP2A	Y	-.237	4
29	MP2A	My	-.000119	4
30	MP2A	Mz	-.000158	4
31	MP3A	Y	-.401	3
32	MP3A	My	.000201	3
33	MP3A	Mz	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-2.482	2.08
2	MP1A	Mx	0	2.08
3	MP1A	Z	-2.482	4.08
4	MP1A	Mx	0	4.08
5	MP3A	Z	-1.804	1.33
6	MP3A	Mx	-.001	1.33
7	MP3A	Z	-1.804	4.83
8	MP3A	Mx	-.001	4.83
9	MP3A	Z	-1.804	1.33
10	MP3A	Mx	.001	1.33
11	MP3A	Z	-1.804	4.83
12	MP3A	Mx	.001	4.83
13	MP1A	Z	-4.811	3
14	MP1A	Mx	0	3
15	RRU	Z	-4.007	1.5
16	RRU	Mx	0	1.5
17	MP4A	Z	-1.824	.75
18	MP4A	Mx	0	.75
19	MP2A	Z	-.593	4
20	MP2A	Mx	.000395	4
21	MP3A	Z	-1.003	3
22	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.482	2.08
2	MP1A	Mx	-.001	2.08
3	MP1A	X	2.482	4.08
4	MP1A	Mx	-.001	4.08
5	MP3A	X	1.804	1.33
6	MP3A	Mx	-.002	1.33
7	MP3A	X	1.804	4.83
8	MP3A	Mx	-.002	4.83
9	MP3A	X	1.804	1.33
10	MP3A	Mx	-.002	1.33
11	MP3A	X	1.804	4.83
12	MP3A	Mx	-.002	4.83
13	MP1A	X	4.811	3
14	MP1A	Mx	.002	3
15	RRU	X	4.007	1.5
16	RRU	Mx	.002	1.5
17	MP4A	X	1.824	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4A	Mx	.00076	.75
19	MP2A	X	.593	4
20	MP2A	Mx	-.000296	4
21	MP3A	X	1.003	3
22	MP3A	Mx	.000502	3

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-7.835	-7.835	0	%100
2	M2	Y	-7.835	-7.835	0	%100
3	M7A	Y	-7.835	-7.835	0	%100
4	M8	Y	-7.835	-7.835	0	%100
5	M13	Y	-5.138	-5.138	0	%100
6	RRU	Y	-5.138	-5.138	0	%100
7	M15	Y	-5.138	-5.138	0	%100
8	M16	Y	-5.138	-5.138	0	%100
9	M19	Y	-7.835	-7.835	0	%100
10	M20	Y	-7.835	-7.835	0	%100
11	M25	Y	-11.833	-11.833	0	%100
12	M26	Y	-11.833	-11.833	0	%100
13	M27	Y	-5.138	-5.138	0	%100
14	M28	Y	-5.138	-5.138	0	%100
15	M29	Y	-2.791	-2.791	0	%100
16	MP1A	Y	-5.138	-5.138	0	%100
17	M30	Y	-5.138	-5.138	0	%100
18	MP2A	Y	-5.138	-5.138	0	%100
19	MP3A	Y	-5.86	-5.86	0	%100
20	MP4A	Y	-5.138	-5.138	0	%100
21	MP5A	Y	-5.138	-5.138	0	%100
22	M35A	Y	-5.86	-5.86	0	%100
23	M40A	Y	-6.814	-6.814	0	%100
24	M41	Y	-6.814	-6.814	0	%100
25	M42	Y	-5.138	-5.138	0	%100
26	M43	Y	-6.814	-6.814	0	%100
27	M44	Y	-6.814	-6.814	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-24.151	-24.151	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-24.151	-24.151	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	-24.151	-24.151	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-24.151	-24.151	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	-9.381	-9.381	0	%100
11	RRU	X	0	0	0	%100
12	RRU	Z	-9.381	-9.381	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	-9.381	-9.381	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-9.381	-9.381	0	%100
17	M19	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M19	Z	-10.865	-10.865	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-10.865	-10.865	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	-1.063	-1.063	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	-1.063	-1.063	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	-9.381	-9.381	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	-9.381	-9.381	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	-3.136	-3.136	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-11.472	-11.472	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	-8.357	-8.357	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-11.472	-11.472	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	-13.887	-13.887	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-11.472	-11.472	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	-11.472	-11.472	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	-13.887	-13.887	0	%100
45	M40A	X	0	0	0	%100
46	M40A	Z	-11.755	-11.755	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-17.652	-17.652	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-5.842	-5.842	0	%100
51	M43	X	0	0	0	%100
52	M43	Z	-4.649	-4.649	0	%100
53	M44	X	0	0	0	%100
54	M44	Z	-16.753	-16.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	9.056	9.056	0	%100
2	M1	Z	-15.686	-15.686	0	%100
3	M2	X	9.056	9.056	0	%100
4	M2	Z	-15.686	-15.686	0	%100
5	M7A	X	9.056	9.056	0	%100
6	M7A	Z	-15.686	-15.686	0	%100
7	M8	X	9.056	9.056	0	%100
8	M8	Z	-15.686	-15.686	0	%100
9	M13	X	4.69	4.69	0	%100
10	M13	Z	-8.124	-8.124	0	%100
11	RRU	X	4.69	4.69	0	%100
12	RRU	Z	-8.124	-8.124	0	%100
13	M15	X	4.69	4.69	0	%100
14	M15	Z	-8.124	-8.124	0	%100
15	M16	X	4.69	4.69	0	%100
16	M16	Z	-8.124	-8.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M19	X	8.979	8.979	0	%100
18	M19	Z	-15.551	-15.551	0	%100
19	M20	X	8.979	8.979	0	%100
20	M20	Z	-15.551	-15.551	0	%100
21	M25	X	.878	.878	0	%100
22	M25	Z	-1.521	-1.521	0	%100
23	M26	X	.878	.878	0	%100
24	M26	Z	-1.521	-1.521	0	%100
25	M27	X	4.69	4.69	0	%100
26	M27	Z	-8.124	-8.124	0	%100
27	M28	X	4.69	4.69	0	%100
28	M28	Z	-8.124	-8.124	0	%100
29	M29	X	1.794	1.794	0	%100
30	M29	Z	-3.106	-3.106	0	%100
31	MP1A	X	5.736	5.736	0	%100
32	MP1A	Z	-9.935	-9.935	0	%100
33	M30	X	5.732	5.732	0	%100
34	M30	Z	-9.929	-9.929	0	%100
35	MP2A	X	5.736	5.736	0	%100
36	MP2A	Z	-9.935	-9.935	0	%100
37	MP3A	X	6.943	6.943	0	%100
38	MP3A	Z	-12.026	-12.026	0	%100
39	MP4A	X	5.736	5.736	0	%100
40	MP4A	Z	-9.935	-9.935	0	%100
41	MP5A	X	5.736	5.736	0	%100
42	MP5A	Z	-9.935	-9.935	0	%100
43	M35A	X	5.207	5.207	0	%100
44	M35A	Z	-9.02	-9.02	0	%100
45	M40A	X	3.461	3.461	0	%100
46	M40A	Z	-5.994	-5.994	0	%100
47	M41	X	9.886	9.886	0	%100
48	M41	Z	-17.123	-17.123	0	%100
49	M42	X	5.378	5.378	0	%100
50	M42	Z	-9.315	-9.315	0	%100
51	M43	X	.009	.009	0	%100
52	M43	Z	-.016	-.016	0	%100
53	M44	X	9.959	9.959	0	%100
54	M44	Z	-17.249	-17.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.229	5.229	0	%100
2	M1	Z	-3.019	-3.019	0	%100
3	M2	X	5.229	5.229	0	%100
4	M2	Z	-3.019	-3.019	0	%100
5	M7A	X	5.229	5.229	0	%100
6	M7A	Z	-3.019	-3.019	0	%100
7	M8	X	5.229	5.229	0	%100
8	M8	Z	-3.019	-3.019	0	%100
9	M13	X	8.124	8.124	0	%100
10	M13	Z	-4.69	-4.69	0	%100
11	RRU	X	8.124	8.124	0	%100
12	RRU	Z	-4.69	-4.69	0	%100
13	M15	X	8.124	8.124	0	%100
14	M15	Z	-4.69	-4.69	0	%100
15	M16	X	8.124	8.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M16	Z	-4.69	-4.69	0	%100
17	M19	X	14.159	14.159	0	%100
18	M19	Z	-8.175	-8.175	0	%100
19	M20	X	14.159	14.159	0	%100
20	M20	Z	-8.175	-8.175	0	%100
21	M25	X	1.385	1.385	0	%100
22	M25	Z	-.8	-.8	0	%100
23	M26	X	1.385	1.385	0	%100
24	M26	Z	-.8	-.8	0	%100
25	M27	X	8.124	8.124	0	%100
26	M27	Z	-4.69	-4.69	0	%100
27	M28	X	8.124	8.124	0	%100
28	M28	Z	-4.69	-4.69	0	%100
29	M29	X	3.018	3.018	0	%100
30	M29	Z	-1.742	-1.742	0	%100
31	MP1A	X	9.935	9.935	0	%100
32	MP1A	Z	-5.736	-5.736	0	%100
33	M30	X	7.659	7.659	0	%100
34	M30	Z	-4.422	-4.422	0	%100
35	MP2A	X	9.935	9.935	0	%100
36	MP2A	Z	-5.736	-5.736	0	%100
37	MP3A	X	12.026	12.026	0	%100
38	MP3A	Z	-6.943	-6.943	0	%100
39	MP4A	X	9.935	9.935	0	%100
40	MP4A	Z	-5.736	-5.736	0	%100
41	MP5A	X	9.935	9.935	0	%100
42	MP5A	Z	-5.736	-5.736	0	%100
43	M35A	X	3.007	3.007	0	%100
44	M35A	Z	-1.736	-1.736	0	%100
45	M40A	X	6.647	6.647	0	%100
46	M40A	Z	-3.838	-3.838	0	%100
47	M41	X	11.563	11.563	0	%100
48	M41	Z	-6.676	-6.676	0	%100
49	M42	X	9.222	9.222	0	%100
50	M42	Z	-5.324	-5.324	0	%100
51	M43	X	3.186	3.186	0	%100
52	M43	Z	-1.839	-1.839	0	%100
53	M44	X	11.455	11.455	0	%100
54	M44	Z	-6.613	-6.613	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	9.381	9.381	0	%100
10	M13	Z	0	0	0	%100
11	RRU	X	9.381	9.381	0	%100
12	RRU	Z	0	0	0	%100
13	M15	X	9.381	9.381	0	%100
14	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M16	X	9.381	9.381	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	7.65	7.65	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	7.65	7.65	0	%100
20	M20	Z	0	0	0	%100
21	M25	X	.748	.748	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	.748	.748	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	9.381	9.381	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	9.381	9.381	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	2.931	2.931	0	%100
30	M29	Z	0	0	0	%100
31	MP1A	X	11.472	11.472	0	%100
32	MP1A	Z	0	0	0	%100
33	M30	X	3.115	3.115	0	%100
34	M30	Z	0	0	0	%100
35	MP2A	X	11.472	11.472	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	13.887	13.887	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	11.472	11.472	0	%100
40	MP4A	Z	0	0	0	%100
41	MP5A	X	11.472	11.472	0	%100
42	MP5A	Z	0	0	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	0	0	0	%100
45	M40A	X	13.263	13.263	0	%100
46	M40A	Z	0	0	0	%100
47	M41	X	4.812	4.812	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	5.629	5.629	0	%100
50	M42	Z	0	0	0	%100
51	M43	X	11.969	11.969	0	%100
52	M43	Z	0	0	0	%100
53	M44	X	3.372	3.372	0	%100
54	M44	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.229	5.229	0	%100
2	M1	Z	3.019	3.019	0	%100
3	M2	X	5.229	5.229	0	%100
4	M2	Z	3.019	3.019	0	%100
5	M7A	X	5.229	5.229	0	%100
6	M7A	Z	3.019	3.019	0	%100
7	M8	X	5.229	5.229	0	%100
8	M8	Z	3.019	3.019	0	%100
9	M13	X	8.124	8.124	0	%100
10	M13	Z	4.69	4.69	0	%100
11	RRU	X	8.124	8.124	0	%100
12	RRU	Z	4.69	4.69	0	%100
13	M15	X	8.124	8.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M15	Z	4.69	4.69	0	%100
15	M16	X	8.124	8.124	0	%100
16	M16	Z	4.69	4.69	0	%100
17	M19	X	.484	.484	0	%100
18	M19	Z	.279	.279	0	%100
19	M20	X	.484	.484	0	%100
20	M20	Z	.279	.279	0	%100
21	M25	X	.047	.047	0	%100
22	M25	Z	.027	.027	0	%100
23	M26	X	.047	.047	0	%100
24	M26	Z	.027	.027	0	%100
25	M27	X	8.124	8.124	0	%100
26	M27	Z	4.69	4.69	0	%100
27	M28	X	8.124	8.124	0	%100
28	M28	Z	4.69	4.69	0	%100
29	M29	X	2.147	2.147	0	%100
30	M29	Z	1.24	1.24	0	%100
31	MP1A	X	9.935	9.935	0	%100
32	MP1A	Z	5.736	5.736	0	%100
33	M30	X	.006	.006	0	%100
34	M30	Z	.003	.003	0	%100
35	MP2A	X	9.935	9.935	0	%100
36	MP2A	Z	5.736	5.736	0	%100
37	MP3A	X	12.026	12.026	0	%100
38	MP3A	Z	6.943	6.943	0	%100
39	MP4A	X	9.935	9.935	0	%100
40	MP4A	Z	5.736	5.736	0	%100
41	MP5A	X	9.935	9.935	0	%100
42	MP5A	Z	5.736	5.736	0	%100
43	M35A	X	3.007	3.007	0	%100
44	M35A	Z	1.736	1.736	0	%100
45	M40A	X	15.672	15.672	0	%100
46	M40A	Z	9.048	9.048	0	%100
47	M41	X	2.331	2.331	0	%100
48	M41	Z	1.346	1.346	0	%100
49	M42	X	.62	.62	0	%100
50	M42	Z	.358	.358	0	%100
51	M43	X	14.375	14.375	0	%100
52	M43	Z	8.299	8.299	0	%100
53	M44	X	.18	.18	0	%100
54	M44	Z	.104	.104	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	9.056	9.056	0	%100
2	M1	Z	15.686	15.686	0	%100
3	M2	X	9.056	9.056	0	%100
4	M2	Z	15.686	15.686	0	%100
5	M7A	X	9.056	9.056	0	%100
6	M7A	Z	15.686	15.686	0	%100
7	M8	X	9.056	9.056	0	%100
8	M8	Z	15.686	15.686	0	%100
9	M13	X	4.69	4.69	0	%100
10	M13	Z	8.124	8.124	0	%100
11	RRU	X	4.69	4.69	0	%100
12	RRU	Z	8.124	8.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M15	X	4.69	4.69	0	%100
14	M15	Z	8.124	8.124	0	%100
15	M16	X	4.69	4.69	0	%100
16	M16	Z	8.124	8.124	0	%100
17	M19	X	1.083	1.083	0	%100
18	M19	Z	1.876	1.876	0	%100
19	M20	X	1.083	1.083	0	%100
20	M20	Z	1.876	1.876	0	%100
21	M25	X	.106	.106	0	%100
22	M25	Z	.183	.183	0	%100
23	M26	X	.106	.106	0	%100
24	M26	Z	.183	.183	0	%100
25	M27	X	4.69	4.69	0	%100
26	M27	Z	8.124	8.124	0	%100
27	M28	X	4.69	4.69	0	%100
28	M28	Z	8.124	8.124	0	%100
29	M29	X	1.291	1.291	0	%100
30	M29	Z	2.236	2.236	0	%100
31	MP1A	X	5.736	5.736	0	%100
32	MP1A	Z	9.935	9.935	0	%100
33	M30	X	1.314	1.314	0	%100
34	M30	Z	2.276	2.276	0	%100
35	MP2A	X	5.736	5.736	0	%100
36	MP2A	Z	9.935	9.935	0	%100
37	MP3A	X	6.943	6.943	0	%100
38	MP3A	Z	12.026	12.026	0	%100
39	MP4A	X	5.736	5.736	0	%100
40	MP4A	Z	9.935	9.935	0	%100
41	MP5A	X	5.736	5.736	0	%100
42	MP5A	Z	9.935	9.935	0	%100
43	M35A	X	5.207	5.207	0	%100
44	M35A	Z	9.02	9.02	0	%100
45	M40A	X	8.671	8.671	0	%100
46	M40A	Z	15.019	15.019	0	%100
47	M41	X	4.556	4.556	0	%100
48	M41	Z	7.891	7.891	0	%100
49	M42	X	.411	.411	0	%100
50	M42	Z	.712	.712	0	%100
51	M43	X	6.47	6.47	0	%100
52	M43	Z	11.206	11.206	0	%100
53	M44	X	3.449	3.449	0	%100
54	M44	Z	5.974	5.974	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	24.151	24.151	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	24.151	24.151	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	24.151	24.151	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	24.151	24.151	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	9.381	9.381	0	%100
11	RRU	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	RRU	Z	9.381	9.381	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	9.381	9.381	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	9.381	9.381	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	10.865	10.865	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	10.865	10.865	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	1.063	1.063	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	1.063	1.063	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	9.381	9.381	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	9.381	9.381	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	3.136	3.136	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	11.472	11.472	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	8.357	8.357	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	11.472	11.472	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	13.887	13.887	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	11.472	11.472	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	11.472	11.472	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	13.887	13.887	0	%100
45	M40A	X	0	0	0	%100
46	M40A	Z	11.755	11.755	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	17.652	17.652	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	5.842	5.842	0	%100
51	M43	X	0	0	0	%100
52	M43	Z	4.649	4.649	0	%100
53	M44	X	0	0	0	%100
54	M44	Z	16.753	16.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-9.056	-9.056	0	%100
2	M1	Z	15.686	15.686	0	%100
3	M2	X	-9.056	-9.056	0	%100
4	M2	Z	15.686	15.686	0	%100
5	M7A	X	-9.056	-9.056	0	%100
6	M7A	Z	15.686	15.686	0	%100
7	M8	X	-9.056	-9.056	0	%100
8	M8	Z	15.686	15.686	0	%100
9	M13	X	-4.69	-4.69	0	%100
10	M13	Z	8.124	8.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	RRU	X	-4.69	-4.69	0	%100
12	RRU	Z	8.124	8.124	0	%100
13	M15	X	-4.69	-4.69	0	%100
14	M15	Z	8.124	8.124	0	%100
15	M16	X	-4.69	-4.69	0	%100
16	M16	Z	8.124	8.124	0	%100
17	M19	X	-8.979	-8.979	0	%100
18	M19	Z	15.551	15.551	0	%100
19	M20	X	-8.979	-8.979	0	%100
20	M20	Z	15.551	15.551	0	%100
21	M25	X	-.878	-.878	0	%100
22	M25	Z	1.521	1.521	0	%100
23	M26	X	-.878	-.878	0	%100
24	M26	Z	1.521	1.521	0	%100
25	M27	X	-4.69	-4.69	0	%100
26	M27	Z	8.124	8.124	0	%100
27	M28	X	-4.69	-4.69	0	%100
28	M28	Z	8.124	8.124	0	%100
29	M29	X	-1.794	-1.794	0	%100
30	M29	Z	3.106	3.106	0	%100
31	MP1A	X	-5.736	-5.736	0	%100
32	MP1A	Z	9.935	9.935	0	%100
33	M30	X	-5.732	-5.732	0	%100
34	M30	Z	9.929	9.929	0	%100
35	MP2A	X	-5.736	-5.736	0	%100
36	MP2A	Z	9.935	9.935	0	%100
37	MP3A	X	-6.943	-6.943	0	%100
38	MP3A	Z	12.026	12.026	0	%100
39	MP4A	X	-5.736	-5.736	0	%100
40	MP4A	Z	9.935	9.935	0	%100
41	MP5A	X	-5.736	-5.736	0	%100
42	MP5A	Z	9.935	9.935	0	%100
43	M35A	X	-5.207	-5.207	0	%100
44	M35A	Z	9.02	9.02	0	%100
45	M40A	X	-3.461	-3.461	0	%100
46	M40A	Z	5.994	5.994	0	%100
47	M41	X	-9.886	-9.886	0	%100
48	M41	Z	17.123	17.123	0	%100
49	M42	X	-5.378	-5.378	0	%100
50	M42	Z	9.315	9.315	0	%100
51	M43	X	-.009	-.009	0	%100
52	M43	Z	.016	.016	0	%100
53	M44	X	-9.959	-9.959	0	%100
54	M44	Z	17.249	17.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.229	-5.229	0	%100
2	M1	Z	3.019	3.019	0	%100
3	M2	X	-5.229	-5.229	0	%100
4	M2	Z	3.019	3.019	0	%100
5	M7A	X	-5.229	-5.229	0	%100
6	M7A	Z	3.019	3.019	0	%100
7	M8	X	-5.229	-5.229	0	%100
8	M8	Z	3.019	3.019	0	%100
9	M13	X	-8.124	-8.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M13	Z	4.69	4.69	0	%100
11	RRU	X	-8.124	-8.124	0	%100
12	RRU	Z	4.69	4.69	0	%100
13	M15	X	-8.124	-8.124	0	%100
14	M15	Z	4.69	4.69	0	%100
15	M16	X	-8.124	-8.124	0	%100
16	M16	Z	4.69	4.69	0	%100
17	M19	X	-14.159	-14.159	0	%100
18	M19	Z	8.175	8.175	0	%100
19	M20	X	-14.159	-14.159	0	%100
20	M20	Z	8.175	8.175	0	%100
21	M25	X	-1.385	-1.385	0	%100
22	M25	Z	.8	.8	0	%100
23	M26	X	-1.385	-1.385	0	%100
24	M26	Z	.8	.8	0	%100
25	M27	X	-8.124	-8.124	0	%100
26	M27	Z	4.69	4.69	0	%100
27	M28	X	-8.124	-8.124	0	%100
28	M28	Z	4.69	4.69	0	%100
29	M29	X	-3.018	-3.018	0	%100
30	M29	Z	1.742	1.742	0	%100
31	MP1A	X	-9.935	-9.935	0	%100
32	MP1A	Z	5.736	5.736	0	%100
33	M30	X	-7.659	-7.659	0	%100
34	M30	Z	4.422	4.422	0	%100
35	MP2A	X	-9.935	-9.935	0	%100
36	MP2A	Z	5.736	5.736	0	%100
37	MP3A	X	-12.026	-12.026	0	%100
38	MP3A	Z	6.943	6.943	0	%100
39	MP4A	X	-9.935	-9.935	0	%100
40	MP4A	Z	5.736	5.736	0	%100
41	MP5A	X	-9.935	-9.935	0	%100
42	MP5A	Z	5.736	5.736	0	%100
43	M35A	X	-3.007	-3.007	0	%100
44	M35A	Z	1.736	1.736	0	%100
45	M40A	X	-6.647	-6.647	0	%100
46	M40A	Z	3.838	3.838	0	%100
47	M41	X	-11.563	-11.563	0	%100
48	M41	Z	6.676	6.676	0	%100
49	M42	X	-9.222	-9.222	0	%100
50	M42	Z	5.324	5.324	0	%100
51	M43	X	-3.186	-3.186	0	%100
52	M43	Z	1.839	1.839	0	%100
53	M44	X	-11.455	-11.455	0	%100
54	M44	Z	6.613	6.613	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M13	X	-9.381	-9.381	0	%100
10	M13	Z	0	0	0	%100
11	RRU	X	-9.381	-9.381	0	%100
12	RRU	Z	0	0	0	%100
13	M15	X	-9.381	-9.381	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	-9.381	-9.381	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-7.65	-7.65	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-7.65	-7.65	0	%100
20	M20	Z	0	0	0	%100
21	M25	X	-.748	-.748	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	-.748	-.748	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	-9.381	-9.381	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	-9.381	-9.381	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	-2.931	-2.931	0	%100
30	M29	Z	0	0	0	%100
31	MP1A	X	-11.472	-11.472	0	%100
32	MP1A	Z	0	0	0	%100
33	M30	X	-3.115	-3.115	0	%100
34	M30	Z	0	0	0	%100
35	MP2A	X	-11.472	-11.472	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	-13.887	-13.887	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	-11.472	-11.472	0	%100
40	MP4A	Z	0	0	0	%100
41	MP5A	X	-11.472	-11.472	0	%100
42	MP5A	Z	0	0	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	0	0	0	%100
45	M40A	X	-13.263	-13.263	0	%100
46	M40A	Z	0	0	0	%100
47	M41	X	-4.812	-4.812	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-5.629	-5.629	0	%100
50	M42	Z	0	0	0	%100
51	M43	X	-11.969	-11.969	0	%100
52	M43	Z	0	0	0	%100
53	M44	X	-3.372	-3.372	0	%100
54	M44	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.229	-5.229	0	%100
2	M1	Z	-3.019	-3.019	0	%100
3	M2	X	-5.229	-5.229	0	%100
4	M2	Z	-3.019	-3.019	0	%100
5	M7A	X	-5.229	-5.229	0	%100
6	M7A	Z	-3.019	-3.019	0	%100
7	M8	X	-5.229	-5.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M8	Z	-3.019	-3.019	0	%100
9	M13	X	-8.124	-8.124	0	%100
10	M13	Z	-4.69	-4.69	0	%100
11	RRU	X	-8.124	-8.124	0	%100
12	RRU	Z	-4.69	-4.69	0	%100
13	M15	X	-8.124	-8.124	0	%100
14	M15	Z	-4.69	-4.69	0	%100
15	M16	X	-8.124	-8.124	0	%100
16	M16	Z	-4.69	-4.69	0	%100
17	M19	X	-.484	-.484	0	%100
18	M19	Z	-.279	-.279	0	%100
19	M20	X	-.484	-.484	0	%100
20	M20	Z	-.279	-.279	0	%100
21	M25	X	-.047	-.047	0	%100
22	M25	Z	-.027	-.027	0	%100
23	M26	X	-.047	-.047	0	%100
24	M26	Z	-.027	-.027	0	%100
25	M27	X	-8.124	-8.124	0	%100
26	M27	Z	-4.69	-4.69	0	%100
27	M28	X	-8.124	-8.124	0	%100
28	M28	Z	-4.69	-4.69	0	%100
29	M29	X	-2.147	-2.147	0	%100
30	M29	Z	-1.24	-1.24	0	%100
31	MP1A	X	-9.935	-9.935	0	%100
32	MP1A	Z	-5.736	-5.736	0	%100
33	M30	X	-.006	-.006	0	%100
34	M30	Z	-.003	-.003	0	%100
35	MP2A	X	-9.935	-9.935	0	%100
36	MP2A	Z	-5.736	-5.736	0	%100
37	MP3A	X	-12.026	-12.026	0	%100
38	MP3A	Z	-6.943	-6.943	0	%100
39	MP4A	X	-9.935	-9.935	0	%100
40	MP4A	Z	-5.736	-5.736	0	%100
41	MP5A	X	-9.935	-9.935	0	%100
42	MP5A	Z	-5.736	-5.736	0	%100
43	M35A	X	-3.007	-3.007	0	%100
44	M35A	Z	-1.736	-1.736	0	%100
45	M40A	X	-15.672	-15.672	0	%100
46	M40A	Z	-9.048	-9.048	0	%100
47	M41	X	-2.331	-2.331	0	%100
48	M41	Z	-1.346	-1.346	0	%100
49	M42	X	-.62	-.62	0	%100
50	M42	Z	-.358	-.358	0	%100
51	M43	X	-14.375	-14.375	0	%100
52	M43	Z	-8.299	-8.299	0	%100
53	M44	X	-.18	-.18	0	%100
54	M44	Z	-.104	-.104	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-9.056	-9.056	0	%100
2	M1	Z	-15.686	-15.686	0	%100
3	M2	X	-9.056	-9.056	0	%100
4	M2	Z	-15.686	-15.686	0	%100
5	M7A	X	-9.056	-9.056	0	%100
6	M7A	Z	-15.686	-15.686	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M8	X	-9.056	-9.056	0	%100
8	M8	Z	-15.686	-15.686	0	%100
9	M13	X	-4.69	-4.69	0	%100
10	M13	Z	-8.124	-8.124	0	%100
11	RRU	X	-4.69	-4.69	0	%100
12	RRU	Z	-8.124	-8.124	0	%100
13	M15	X	-4.69	-4.69	0	%100
14	M15	Z	-8.124	-8.124	0	%100
15	M16	X	-4.69	-4.69	0	%100
16	M16	Z	-8.124	-8.124	0	%100
17	M19	X	-1.083	-1.083	0	%100
18	M19	Z	-1.876	-1.876	0	%100
19	M20	X	-1.083	-1.083	0	%100
20	M20	Z	-1.876	-1.876	0	%100
21	M25	X	-.106	-.106	0	%100
22	M25	Z	-.183	-.183	0	%100
23	M26	X	-.106	-.106	0	%100
24	M26	Z	-.183	-.183	0	%100
25	M27	X	-4.69	-4.69	0	%100
26	M27	Z	-8.124	-8.124	0	%100
27	M28	X	-4.69	-4.69	0	%100
28	M28	Z	-8.124	-8.124	0	%100
29	M29	X	-1.291	-1.291	0	%100
30	M29	Z	-2.236	-2.236	0	%100
31	MP1A	X	-5.736	-5.736	0	%100
32	MP1A	Z	-9.935	-9.935	0	%100
33	M30	X	-1.314	-1.314	0	%100
34	M30	Z	-2.276	-2.276	0	%100
35	MP2A	X	-5.736	-5.736	0	%100
36	MP2A	Z	-9.935	-9.935	0	%100
37	MP3A	X	-6.943	-6.943	0	%100
38	MP3A	Z	-12.026	-12.026	0	%100
39	MP4A	X	-5.736	-5.736	0	%100
40	MP4A	Z	-9.935	-9.935	0	%100
41	MP5A	X	-5.736	-5.736	0	%100
42	MP5A	Z	-9.935	-9.935	0	%100
43	M35A	X	-5.207	-5.207	0	%100
44	M35A	Z	-9.02	-9.02	0	%100
45	M40A	X	-8.671	-8.671	0	%100
46	M40A	Z	-15.019	-15.019	0	%100
47	M41	X	-4.556	-4.556	0	%100
48	M41	Z	-7.891	-7.891	0	%100
49	M42	X	-.411	-.411	0	%100
50	M42	Z	-.712	-.712	0	%100
51	M43	X	-6.47	-6.47	0	%100
52	M43	Z	-11.206	-11.206	0	%100
53	M44	X	-3.449	-3.449	0	%100
54	M44	Z	-5.974	-5.974	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.691	-5.691	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-5.691	-5.691	0	%100
5	M7A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M7A	Z	-5.691	-5.691	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-5.691	-5.691	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	-2.997	-2.997	0	%100
11	RRU	X	0	0	0	%100
12	RRU	Z	-2.997	-2.997	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	-2.997	-2.997	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-2.997	-2.997	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-2.591	-2.591	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-2.591	-2.591	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	-.847	-.847	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	-.847	-.847	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	-2.997	-2.997	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	-2.997	-2.997	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	-1.894	-1.894	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-3.663	-3.663	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	-2.668	-2.668	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-3.663	-3.663	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	-4.049	-4.049	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-3.663	-3.663	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	-3.663	-3.663	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	-4.049	-4.049	0	%100
45	M40A	X	0	0	0	%100
46	M40A	Z	-2.963	-2.963	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-4.427	-4.427	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-1.865	-1.865	0	%100
51	M43	X	0	0	0	%100
52	M43	Z	-1.164	-1.164	0	%100
53	M44	X	0	0	0	%100
54	M44	Z	-4.202	-4.202	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.134	2.134	0	%100
2	M1	Z	-3.697	-3.697	0	%100
3	M2	X	2.134	2.134	0	%100
4	M2	Z	-3.697	-3.697	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M7A	X	2.134	2.134	0	%100
6	M7A	Z	-3.697	-3.697	0	%100
7	M8	X	2.134	2.134	0	%100
8	M8	Z	-3.697	-3.697	0	%100
9	M13	X	1.499	1.499	0	%100
10	M13	Z	-2.596	-2.596	0	%100
11	RRU	X	1.499	1.499	0	%100
12	RRU	Z	-2.596	-2.596	0	%100
13	M15	X	1.499	1.499	0	%100
14	M15	Z	-2.596	-2.596	0	%100
15	M16	X	1.499	1.499	0	%100
16	M16	Z	-2.596	-2.596	0	%100
17	M19	X	2.141	2.141	0	%100
18	M19	Z	-3.709	-3.709	0	%100
19	M20	X	2.141	2.141	0	%100
20	M20	Z	-3.709	-3.709	0	%100
21	M25	X	.7	.7	0	%100
22	M25	Z	-1.212	-1.212	0	%100
23	M26	X	.7	.7	0	%100
24	M26	Z	-1.212	-1.212	0	%100
25	M27	X	1.499	1.499	0	%100
26	M27	Z	-2.596	-2.596	0	%100
27	M28	X	1.499	1.499	0	%100
28	M28	Z	-2.596	-2.596	0	%100
29	M29	X	1.083	1.083	0	%100
30	M29	Z	-1.876	-1.876	0	%100
31	MP1A	X	1.831	1.831	0	%100
32	MP1A	Z	-3.172	-3.172	0	%100
33	M30	X	1.83	1.83	0	%100
34	M30	Z	-3.17	-3.17	0	%100
35	MP2A	X	1.831	1.831	0	%100
36	MP2A	Z	-3.172	-3.172	0	%100
37	MP3A	X	2.025	2.025	0	%100
38	MP3A	Z	-3.507	-3.507	0	%100
39	MP4A	X	1.831	1.831	0	%100
40	MP4A	Z	-3.172	-3.172	0	%100
41	MP5A	X	1.831	1.831	0	%100
42	MP5A	Z	-3.172	-3.172	0	%100
43	M35A	X	1.518	1.518	0	%100
44	M35A	Z	-2.63	-2.63	0	%100
45	M40A	X	.872	.872	0	%100
46	M40A	Z	-1.511	-1.511	0	%100
47	M41	X	2.479	2.479	0	%100
48	M41	Z	-4.294	-4.294	0	%100
49	M42	X	1.717	1.717	0	%100
50	M42	Z	-2.974	-2.974	0	%100
51	M43	X	.002	.002	0	%100
52	M43	Z	-.004	-.004	0	%100
53	M44	X	2.498	2.498	0	%100
54	M44	Z	-4.326	-4.326	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.232	1.232	0	%100
2	M1	Z	-.711	-.711	0	%100
3	M2	X	1.232	1.232	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M2	Z	-.711	-.711	0	%100
5	M7A	X	1.232	1.232	0	%100
6	M7A	Z	-.711	-.711	0	%100
7	M8	X	1.232	1.232	0	%100
8	M8	Z	-.711	-.711	0	%100
9	M13	X	2.596	2.596	0	%100
10	M13	Z	-1.499	-1.499	0	%100
11	RRU	X	2.596	2.596	0	%100
12	RRU	Z	-1.499	-1.499	0	%100
13	M15	X	2.596	2.596	0	%100
14	M15	Z	-1.499	-1.499	0	%100
15	M16	X	2.596	2.596	0	%100
16	M16	Z	-1.499	-1.499	0	%100
17	M19	X	3.377	3.377	0	%100
18	M19	Z	-1.95	-1.95	0	%100
19	M20	X	3.377	3.377	0	%100
20	M20	Z	-1.95	-1.95	0	%100
21	M25	X	1.103	1.103	0	%100
22	M25	Z	-.637	-.637	0	%100
23	M26	X	1.103	1.103	0	%100
24	M26	Z	-.637	-.637	0	%100
25	M27	X	2.596	2.596	0	%100
26	M27	Z	-1.499	-1.499	0	%100
27	M28	X	2.596	2.596	0	%100
28	M28	Z	-1.499	-1.499	0	%100
29	M29	X	1.823	1.823	0	%100
30	M29	Z	-1.052	-1.052	0	%100
31	MP1A	X	3.172	3.172	0	%100
32	MP1A	Z	-1.831	-1.831	0	%100
33	M30	X	2.445	2.445	0	%100
34	M30	Z	-1.412	-1.412	0	%100
35	MP2A	X	3.172	3.172	0	%100
36	MP2A	Z	-1.831	-1.831	0	%100
37	MP3A	X	3.507	3.507	0	%100
38	MP3A	Z	-2.025	-2.025	0	%100
39	MP4A	X	3.172	3.172	0	%100
40	MP4A	Z	-1.831	-1.831	0	%100
41	MP5A	X	3.172	3.172	0	%100
42	MP5A	Z	-1.831	-1.831	0	%100
43	M35A	X	.877	.877	0	%100
44	M35A	Z	-.506	-.506	0	%100
45	M40A	X	1.676	1.676	0	%100
46	M40A	Z	-.967	-.967	0	%100
47	M41	X	2.9	2.9	0	%100
48	M41	Z	-1.674	-1.674	0	%100
49	M42	X	2.945	2.945	0	%100
50	M42	Z	-1.7	-1.7	0	%100
51	M43	X	.798	.798	0	%100
52	M43	Z	-.46	-.46	0	%100
53	M44	X	2.873	2.873	0	%100
54	M44	Z	-1.659	-1.659	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	2.997	2.997	0	%100
10	M13	Z	0	0	0	%100
11	RRU	X	2.997	2.997	0	%100
12	RRU	Z	0	0	0	%100
13	M15	X	2.997	2.997	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	2.997	2.997	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	1.825	1.825	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	1.825	1.825	0	%100
20	M20	Z	0	0	0	%100
21	M25	X	.596	.596	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	.596	.596	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	2.997	2.997	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	2.997	2.997	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	1.77	1.77	0	%100
30	M29	Z	0	0	0	%100
31	MP1A	X	3.663	3.663	0	%100
32	MP1A	Z	0	0	0	%100
33	M30	X	.995	.995	0	%100
34	M30	Z	0	0	0	%100
35	MP2A	X	3.663	3.663	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	4.049	4.049	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	3.663	3.663	0	%100
40	MP4A	Z	0	0	0	%100
41	MP5A	X	3.663	3.663	0	%100
42	MP5A	Z	0	0	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	0	0	0	%100
45	M40A	X	3.343	3.343	0	%100
46	M40A	Z	0	0	0	%100
47	M41	X	1.207	1.207	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	1.797	1.797	0	%100
50	M42	Z	0	0	0	%100
51	M43	X	2.996	2.996	0	%100
52	M43	Z	0	0	0	%100
53	M44	X	.846	.846	0	%100
54	M44	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.232	1.232	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	.711	.711	0	%100
3	M2	X	1.232	1.232	0	%100
4	M2	Z	.711	.711	0	%100
5	M7A	X	1.232	1.232	0	%100
6	M7A	Z	.711	.711	0	%100
7	M8	X	1.232	1.232	0	%100
8	M8	Z	.711	.711	0	%100
9	M13	X	2.596	2.596	0	%100
10	M13	Z	1.499	1.499	0	%100
11	RRU	X	2.596	2.596	0	%100
12	RRU	Z	1.499	1.499	0	%100
13	M15	X	2.596	2.596	0	%100
14	M15	Z	1.499	1.499	0	%100
15	M16	X	2.596	2.596	0	%100
16	M16	Z	1.499	1.499	0	%100
17	M19	X	.115	.115	0	%100
18	M19	Z	.067	.067	0	%100
19	M20	X	.115	.115	0	%100
20	M20	Z	.067	.067	0	%100
21	M25	X	.038	.038	0	%100
22	M25	Z	.022	.022	0	%100
23	M26	X	.038	.038	0	%100
24	M26	Z	.022	.022	0	%100
25	M27	X	2.596	2.596	0	%100
26	M27	Z	1.499	1.499	0	%100
27	M28	X	2.596	2.596	0	%100
28	M28	Z	1.499	1.499	0	%100
29	M29	X	1.297	1.297	0	%100
30	M29	Z	.749	.749	0	%100
31	MP1A	X	3.172	3.172	0	%100
32	MP1A	Z	1.831	1.831	0	%100
33	M30	X	.002	.002	0	%100
34	M30	Z	.001	.001	0	%100
35	MP2A	X	3.172	3.172	0	%100
36	MP2A	Z	1.831	1.831	0	%100
37	MP3A	X	3.507	3.507	0	%100
38	MP3A	Z	2.025	2.025	0	%100
39	MP4A	X	3.172	3.172	0	%100
40	MP4A	Z	1.831	1.831	0	%100
41	MP5A	X	3.172	3.172	0	%100
42	MP5A	Z	1.831	1.831	0	%100
43	M35A	X	.877	.877	0	%100
44	M35A	Z	.506	.506	0	%100
45	M40A	X	3.951	3.951	0	%100
46	M40A	Z	2.281	2.281	0	%100
47	M41	X	.585	.585	0	%100
48	M41	Z	.338	.338	0	%100
49	M42	X	.198	.198	0	%100
50	M42	Z	.114	.114	0	%100
51	M43	X	3.599	3.599	0	%100
52	M43	Z	2.078	2.078	0	%100
53	M44	X	.045	.045	0	%100
54	M44	Z	.026	.026	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.134	2.134	0	%100
2	M1	Z	3.697	3.697	0	%100
3	M2	X	2.134	2.134	0	%100
4	M2	Z	3.697	3.697	0	%100
5	M7A	X	2.134	2.134	0	%100
6	M7A	Z	3.697	3.697	0	%100
7	M8	X	2.134	2.134	0	%100
8	M8	Z	3.697	3.697	0	%100
9	M13	X	1.499	1.499	0	%100
10	M13	Z	2.596	2.596	0	%100
11	RRU	X	1.499	1.499	0	%100
12	RRU	Z	2.596	2.596	0	%100
13	M15	X	1.499	1.499	0	%100
14	M15	Z	2.596	2.596	0	%100
15	M16	X	1.499	1.499	0	%100
16	M16	Z	2.596	2.596	0	%100
17	M19	X	.258	.258	0	%100
18	M19	Z	.447	.447	0	%100
19	M20	X	.258	.258	0	%100
20	M20	Z	.447	.447	0	%100
21	M25	X	.084	.084	0	%100
22	M25	Z	.146	.146	0	%100
23	M26	X	.084	.084	0	%100
24	M26	Z	.146	.146	0	%100
25	M27	X	1.499	1.499	0	%100
26	M27	Z	2.596	2.596	0	%100
27	M28	X	1.499	1.499	0	%100
28	M28	Z	2.596	2.596	0	%100
29	M29	X	.78	.78	0	%100
30	M29	Z	1.351	1.351	0	%100
31	MP1A	X	1.831	1.831	0	%100
32	MP1A	Z	3.172	3.172	0	%100
33	M30	X	.419	.419	0	%100
34	M30	Z	.727	.727	0	%100
35	MP2A	X	1.831	1.831	0	%100
36	MP2A	Z	3.172	3.172	0	%100
37	MP3A	X	2.025	2.025	0	%100
38	MP3A	Z	3.507	3.507	0	%100
39	MP4A	X	1.831	1.831	0	%100
40	MP4A	Z	3.172	3.172	0	%100
41	MP5A	X	1.831	1.831	0	%100
42	MP5A	Z	3.172	3.172	0	%100
43	M35A	X	1.518	1.518	0	%100
44	M35A	Z	2.63	2.63	0	%100
45	M40A	X	2.186	2.186	0	%100
46	M40A	Z	3.786	3.786	0	%100
47	M41	X	1.143	1.143	0	%100
48	M41	Z	1.979	1.979	0	%100
49	M42	X	.131	.131	0	%100
50	M42	Z	.227	.227	0	%100
51	M43	X	1.62	1.62	0	%100
52	M43	Z	2.805	2.805	0	%100
53	M44	X	.865	.865	0	%100
54	M44	Z	1.498	1.498	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	5.691	5.691	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	5.691	5.691	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	5.691	5.691	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	5.691	5.691	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	2.997	2.997	0	%100
11	RRU	X	0	0	0	%100
12	RRU	Z	2.997	2.997	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	2.997	2.997	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	2.997	2.997	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	2.591	2.591	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	2.591	2.591	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	.847	.847	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	.847	.847	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	2.997	2.997	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	2.997	2.997	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	1.894	1.894	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	3.663	3.663	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	2.668	2.668	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	3.663	3.663	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	4.049	4.049	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	3.663	3.663	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	3.663	3.663	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	4.049	4.049	0	%100
45	M40A	X	0	0	0	%100
46	M40A	Z	2.963	2.963	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	4.427	4.427	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	1.865	1.865	0	%100
51	M43	X	0	0	0	%100
52	M43	Z	1.164	1.164	0	%100
53	M44	X	0	0	0	%100
54	M44	Z	4.202	4.202	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.134	-2.134	0	%100
2	M1	Z	3.697	3.697	0	%100
3	M2	X	-2.134	-2.134	0	%100
4	M2	Z	3.697	3.697	0	%100
5	M7A	X	-2.134	-2.134	0	%100
6	M7A	Z	3.697	3.697	0	%100
7	M8	X	-2.134	-2.134	0	%100
8	M8	Z	3.697	3.697	0	%100
9	M13	X	-1.499	-1.499	0	%100
10	M13	Z	2.596	2.596	0	%100
11	RRU	X	-1.499	-1.499	0	%100
12	RRU	Z	2.596	2.596	0	%100
13	M15	X	-1.499	-1.499	0	%100
14	M15	Z	2.596	2.596	0	%100
15	M16	X	-1.499	-1.499	0	%100
16	M16	Z	2.596	2.596	0	%100
17	M19	X	-2.141	-2.141	0	%100
18	M19	Z	3.709	3.709	0	%100
19	M20	X	-2.141	-2.141	0	%100
20	M20	Z	3.709	3.709	0	%100
21	M25	X	-.7	-.7	0	%100
22	M25	Z	1.212	1.212	0	%100
23	M26	X	-.7	-.7	0	%100
24	M26	Z	1.212	1.212	0	%100
25	M27	X	-1.499	-1.499	0	%100
26	M27	Z	2.596	2.596	0	%100
27	M28	X	-1.499	-1.499	0	%100
28	M28	Z	2.596	2.596	0	%100
29	M29	X	-1.083	-1.083	0	%100
30	M29	Z	1.876	1.876	0	%100
31	MP1A	X	-1.831	-1.831	0	%100
32	MP1A	Z	3.172	3.172	0	%100
33	M30	X	-1.83	-1.83	0	%100
34	M30	Z	3.17	3.17	0	%100
35	MP2A	X	-1.831	-1.831	0	%100
36	MP2A	Z	3.172	3.172	0	%100
37	MP3A	X	-2.025	-2.025	0	%100
38	MP3A	Z	3.507	3.507	0	%100
39	MP4A	X	-1.831	-1.831	0	%100
40	MP4A	Z	3.172	3.172	0	%100
41	MP5A	X	-1.831	-1.831	0	%100
42	MP5A	Z	3.172	3.172	0	%100
43	M35A	X	-1.518	-1.518	0	%100
44	M35A	Z	2.63	2.63	0	%100
45	M40A	X	-.872	-.872	0	%100
46	M40A	Z	1.511	1.511	0	%100
47	M41	X	-2.479	-2.479	0	%100
48	M41	Z	4.294	4.294	0	%100
49	M42	X	-1.717	-1.717	0	%100
50	M42	Z	2.974	2.974	0	%100
51	M43	X	-.002	-.002	0	%100
52	M43	Z	.004	.004	0	%100
53	M44	X	-2.498	-2.498	0	%100
54	M44	Z	4.326	4.326	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.232	-1.232	0	%100
2	M1	Z	.711	.711	0	%100
3	M2	X	-1.232	-1.232	0	%100
4	M2	Z	.711	.711	0	%100
5	M7A	X	-1.232	-1.232	0	%100
6	M7A	Z	.711	.711	0	%100
7	M8	X	-1.232	-1.232	0	%100
8	M8	Z	.711	.711	0	%100
9	M13	X	-2.596	-2.596	0	%100
10	M13	Z	1.499	1.499	0	%100
11	RRU	X	-2.596	-2.596	0	%100
12	RRU	Z	1.499	1.499	0	%100
13	M15	X	-2.596	-2.596	0	%100
14	M15	Z	1.499	1.499	0	%100
15	M16	X	-2.596	-2.596	0	%100
16	M16	Z	1.499	1.499	0	%100
17	M19	X	-3.377	-3.377	0	%100
18	M19	Z	1.95	1.95	0	%100
19	M20	X	-3.377	-3.377	0	%100
20	M20	Z	1.95	1.95	0	%100
21	M25	X	-1.103	-1.103	0	%100
22	M25	Z	.637	.637	0	%100
23	M26	X	-1.103	-1.103	0	%100
24	M26	Z	.637	.637	0	%100
25	M27	X	-2.596	-2.596	0	%100
26	M27	Z	1.499	1.499	0	%100
27	M28	X	-2.596	-2.596	0	%100
28	M28	Z	1.499	1.499	0	%100
29	M29	X	-1.823	-1.823	0	%100
30	M29	Z	1.052	1.052	0	%100
31	MP1A	X	-3.172	-3.172	0	%100
32	MP1A	Z	1.831	1.831	0	%100
33	M30	X	-2.445	-2.445	0	%100
34	M30	Z	1.412	1.412	0	%100
35	MP2A	X	-3.172	-3.172	0	%100
36	MP2A	Z	1.831	1.831	0	%100
37	MP3A	X	-3.507	-3.507	0	%100
38	MP3A	Z	2.025	2.025	0	%100
39	MP4A	X	-3.172	-3.172	0	%100
40	MP4A	Z	1.831	1.831	0	%100
41	MP5A	X	-3.172	-3.172	0	%100
42	MP5A	Z	1.831	1.831	0	%100
43	M35A	X	-.877	-.877	0	%100
44	M35A	Z	.506	.506	0	%100
45	M40A	X	-1.676	-1.676	0	%100
46	M40A	Z	.967	.967	0	%100
47	M41	X	-2.9	-2.9	0	%100
48	M41	Z	1.674	1.674	0	%100
49	M42	X	-2.945	-2.945	0	%100
50	M42	Z	1.7	1.7	0	%100
51	M43	X	-.798	-.798	0	%100
52	M43	Z	.46	.46	0	%100
53	M44	X	-2.873	-2.873	0	%100
54	M44	Z	1.659	1.659	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-2.997	-2.997	0	%100
10	M13	Z	0	0	0	%100
11	RRU	X	-2.997	-2.997	0	%100
12	RRU	Z	0	0	0	%100
13	M15	X	-2.997	-2.997	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	-2.997	-2.997	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-1.825	-1.825	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-1.825	-1.825	0	%100
20	M20	Z	0	0	0	%100
21	M25	X	-.596	-.596	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	-.596	-.596	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	-2.997	-2.997	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	-2.997	-2.997	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	-1.77	-1.77	0	%100
30	M29	Z	0	0	0	%100
31	MP1A	X	-3.663	-3.663	0	%100
32	MP1A	Z	0	0	0	%100
33	M30	X	-.995	-.995	0	%100
34	M30	Z	0	0	0	%100
35	MP2A	X	-3.663	-3.663	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	-4.049	-4.049	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	-3.663	-3.663	0	%100
40	MP4A	Z	0	0	0	%100
41	MP5A	X	-3.663	-3.663	0	%100
42	MP5A	Z	0	0	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	0	0	0	%100
45	M40A	X	-3.343	-3.343	0	%100
46	M40A	Z	0	0	0	%100
47	M41	X	-1.207	-1.207	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-1.797	-1.797	0	%100
50	M42	Z	0	0	0	%100
51	M43	X	-2.996	-2.996	0	%100
52	M43	Z	0	0	0	%100
53	M44	X	-.846	-.846	0	%100
54	M44	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.232	-1.232	0	%100
2	M1	Z	-.711	-.711	0	%100
3	M2	X	-1.232	-1.232	0	%100
4	M2	Z	-.711	-.711	0	%100
5	M7A	X	-1.232	-1.232	0	%100
6	M7A	Z	-.711	-.711	0	%100
7	M8	X	-1.232	-1.232	0	%100
8	M8	Z	-.711	-.711	0	%100
9	M13	X	-2.596	-2.596	0	%100
10	M13	Z	-1.499	-1.499	0	%100
11	RRU	X	-2.596	-2.596	0	%100
12	RRU	Z	-1.499	-1.499	0	%100
13	M15	X	-2.596	-2.596	0	%100
14	M15	Z	-1.499	-1.499	0	%100
15	M16	X	-2.596	-2.596	0	%100
16	M16	Z	-1.499	-1.499	0	%100
17	M19	X	-.115	-.115	0	%100
18	M19	Z	-.067	-.067	0	%100
19	M20	X	-.115	-.115	0	%100
20	M20	Z	-.067	-.067	0	%100
21	M25	X	-.038	-.038	0	%100
22	M25	Z	-.022	-.022	0	%100
23	M26	X	-.038	-.038	0	%100
24	M26	Z	-.022	-.022	0	%100
25	M27	X	-2.596	-2.596	0	%100
26	M27	Z	-1.499	-1.499	0	%100
27	M28	X	-2.596	-2.596	0	%100
28	M28	Z	-1.499	-1.499	0	%100
29	M29	X	-1.297	-1.297	0	%100
30	M29	Z	-.749	-.749	0	%100
31	MP1A	X	-3.172	-3.172	0	%100
32	MP1A	Z	-1.831	-1.831	0	%100
33	M30	X	-.002	-.002	0	%100
34	M30	Z	-.001	-.001	0	%100
35	MP2A	X	-3.172	-3.172	0	%100
36	MP2A	Z	-1.831	-1.831	0	%100
37	MP3A	X	-3.507	-3.507	0	%100
38	MP3A	Z	-2.025	-2.025	0	%100
39	MP4A	X	-3.172	-3.172	0	%100
40	MP4A	Z	-1.831	-1.831	0	%100
41	MP5A	X	-3.172	-3.172	0	%100
42	MP5A	Z	-1.831	-1.831	0	%100
43	M35A	X	-.877	-.877	0	%100
44	M35A	Z	-.506	-.506	0	%100
45	M40A	X	-3.951	-3.951	0	%100
46	M40A	Z	-2.281	-2.281	0	%100
47	M41	X	-.585	-.585	0	%100
48	M41	Z	-.338	-.338	0	%100
49	M42	X	-.198	-.198	0	%100
50	M42	Z	-.114	-.114	0	%100
51	M43	X	-3.599	-3.599	0	%100
52	M43	Z	-2.078	-2.078	0	%100
53	M44	X	-.045	-.045	0	%100
54	M44	Z	-.026	-.026	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.134	-2.134	0	%100
2	M1	Z	-3.697	-3.697	0	%100
3	M2	X	-2.134	-2.134	0	%100
4	M2	Z	-3.697	-3.697	0	%100
5	M7A	X	-2.134	-2.134	0	%100
6	M7A	Z	-3.697	-3.697	0	%100
7	M8	X	-2.134	-2.134	0	%100
8	M8	Z	-3.697	-3.697	0	%100
9	M13	X	-1.499	-1.499	0	%100
10	M13	Z	-2.596	-2.596	0	%100
11	RRU	X	-1.499	-1.499	0	%100
12	RRU	Z	-2.596	-2.596	0	%100
13	M15	X	-1.499	-1.499	0	%100
14	M15	Z	-2.596	-2.596	0	%100
15	M16	X	-1.499	-1.499	0	%100
16	M16	Z	-2.596	-2.596	0	%100
17	M19	X	-.258	-.258	0	%100
18	M19	Z	-.447	-.447	0	%100
19	M20	X	-.258	-.258	0	%100
20	M20	Z	-.447	-.447	0	%100
21	M25	X	-.084	-.084	0	%100
22	M25	Z	-.146	-.146	0	%100
23	M26	X	-.084	-.084	0	%100
24	M26	Z	-.146	-.146	0	%100
25	M27	X	-1.499	-1.499	0	%100
26	M27	Z	-2.596	-2.596	0	%100
27	M28	X	-1.499	-1.499	0	%100
28	M28	Z	-2.596	-2.596	0	%100
29	M29	X	-.78	-.78	0	%100
30	M29	Z	-1.351	-1.351	0	%100
31	MP1A	X	-1.831	-1.831	0	%100
32	MP1A	Z	-3.172	-3.172	0	%100
33	M30	X	-.419	-.419	0	%100
34	M30	Z	-.727	-.727	0	%100
35	MP2A	X	-1.831	-1.831	0	%100
36	MP2A	Z	-3.172	-3.172	0	%100
37	MP3A	X	-2.025	-2.025	0	%100
38	MP3A	Z	-3.507	-3.507	0	%100
39	MP4A	X	-1.831	-1.831	0	%100
40	MP4A	Z	-3.172	-3.172	0	%100
41	MP5A	X	-1.831	-1.831	0	%100
42	MP5A	Z	-3.172	-3.172	0	%100
43	M35A	X	-1.518	-1.518	0	%100
44	M35A	Z	-2.63	-2.63	0	%100
45	M40A	X	-2.186	-2.186	0	%100
46	M40A	Z	-3.786	-3.786	0	%100
47	M41	X	-1.143	-1.143	0	%100
48	M41	Z	-1.979	-1.979	0	%100
49	M42	X	-.131	-.131	0	%100
50	M42	Z	-.227	-.227	0	%100
51	M43	X	-1.62	-1.62	0	%100
52	M43	Z	-2.805	-2.805	0	%100
53	M44	X	-.865	-.865	0	%100
54	M44	Z	-1.498	-1.498	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.391	-1.391	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.391	-1.391	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	-1.391	-1.391	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-1.391	-1.391	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	-.54	-.54	0	%100
11	RRU	X	0	0	0	%100
12	RRU	Z	-.54	-.54	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	-.54	-.54	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-.54	-.54	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.626	-.626	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.626	-.626	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	-.061	-.061	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	-.061	-.061	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	-.54	-.54	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	-.54	-.54	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	-.181	-.181	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-.661	-.661	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	-.481	-.481	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-.661	-.661	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	-.8	-.8	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-.661	-.661	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	-.661	-.661	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	-.8	-.8	0	%100
45	M40A	X	0	0	0	%100
46	M40A	Z	-.677	-.677	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-1.017	-1.017	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-.337	-.337	0	%100
51	M43	X	0	0	0	%100
52	M43	Z	-.268	-.268	0	%100
53	M44	X	0	0	0	%100
54	M44	Z	-.965	-.965	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.522	.522	0	%100
2	M1	Z	-.904	-.904	0	%100
3	M2	X	.522	.522	0	%100
4	M2	Z	-.904	-.904	0	%100
5	M7A	X	.522	.522	0	%100
6	M7A	Z	-.904	-.904	0	%100
7	M8	X	.522	.522	0	%100
8	M8	Z	-.904	-.904	0	%100
9	M13	X	.27	.27	0	%100
10	M13	Z	-.468	-.468	0	%100
11	RRU	X	.27	.27	0	%100
12	RRU	Z	-.468	-.468	0	%100
13	M15	X	.27	.27	0	%100
14	M15	Z	-.468	-.468	0	%100
15	M16	X	.27	.27	0	%100
16	M16	Z	-.468	-.468	0	%100
17	M19	X	.517	.517	0	%100
18	M19	Z	-.896	-.896	0	%100
19	M20	X	.517	.517	0	%100
20	M20	Z	-.896	-.896	0	%100
21	M25	X	.051	.051	0	%100
22	M25	Z	-.088	-.088	0	%100
23	M26	X	.051	.051	0	%100
24	M26	Z	-.088	-.088	0	%100
25	M27	X	.27	.27	0	%100
26	M27	Z	-.468	-.468	0	%100
27	M28	X	.27	.27	0	%100
28	M28	Z	-.468	-.468	0	%100
29	M29	X	.103	.103	0	%100
30	M29	Z	-.179	-.179	0	%100
31	MP1A	X	.33	.33	0	%100
32	MP1A	Z	-.572	-.572	0	%100
33	M30	X	.33	.33	0	%100
34	M30	Z	-.572	-.572	0	%100
35	MP2A	X	.33	.33	0	%100
36	MP2A	Z	-.572	-.572	0	%100
37	MP3A	X	.4	.4	0	%100
38	MP3A	Z	-.693	-.693	0	%100
39	MP4A	X	.33	.33	0	%100
40	MP4A	Z	-.572	-.572	0	%100
41	MP5A	X	.33	.33	0	%100
42	MP5A	Z	-.572	-.572	0	%100
43	M35A	X	.3	.3	0	%100
44	M35A	Z	-.52	-.52	0	%100
45	M40A	X	.199	.199	0	%100
46	M40A	Z	-.345	-.345	0	%100
47	M41	X	.569	.569	0	%100
48	M41	Z	-.986	-.986	0	%100
49	M42	X	.31	.31	0	%100
50	M42	Z	-.537	-.537	0	%100
51	M43	X	.000545	.000545	0	%100
52	M43	Z	-.000944	-.000944	0	%100
53	M44	X	.574	.574	0	%100
54	M44	Z	-.994	-.994	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.301	.301	0	%100
2	M1	Z	-.174	-.174	0	%100
3	M2	X	.301	.301	0	%100
4	M2	Z	-.174	-.174	0	%100
5	M7A	X	.301	.301	0	%100
6	M7A	Z	-.174	-.174	0	%100
7	M8	X	.301	.301	0	%100
8	M8	Z	-.174	-.174	0	%100
9	M13	X	.468	.468	0	%100
10	M13	Z	-.27	-.27	0	%100
11	RRU	X	.468	.468	0	%100
12	RRU	Z	-.27	-.27	0	%100
13	M15	X	.468	.468	0	%100
14	M15	Z	-.27	-.27	0	%100
15	M16	X	.468	.468	0	%100
16	M16	Z	-.27	-.27	0	%100
17	M19	X	.816	.816	0	%100
18	M19	Z	-.471	-.471	0	%100
19	M20	X	.816	.816	0	%100
20	M20	Z	-.471	-.471	0	%100
21	M25	X	.08	.08	0	%100
22	M25	Z	-.046	-.046	0	%100
23	M26	X	.08	.08	0	%100
24	M26	Z	-.046	-.046	0	%100
25	M27	X	.468	.468	0	%100
26	M27	Z	-.27	-.27	0	%100
27	M28	X	.468	.468	0	%100
28	M28	Z	-.27	-.27	0	%100
29	M29	X	.174	.174	0	%100
30	M29	Z	-.1	-.1	0	%100
31	MP1A	X	.572	.572	0	%100
32	MP1A	Z	-.33	-.33	0	%100
33	M30	X	.441	.441	0	%100
34	M30	Z	-.255	-.255	0	%100
35	MP2A	X	.572	.572	0	%100
36	MP2A	Z	-.33	-.33	0	%100
37	MP3A	X	.693	.693	0	%100
38	MP3A	Z	-.4	-.4	0	%100
39	MP4A	X	.572	.572	0	%100
40	MP4A	Z	-.33	-.33	0	%100
41	MP5A	X	.572	.572	0	%100
42	MP5A	Z	-.33	-.33	0	%100
43	M35A	X	.173	.173	0	%100
44	M35A	Z	-.1	-.1	0	%100
45	M40A	X	.383	.383	0	%100
46	M40A	Z	-.221	-.221	0	%100
47	M41	X	.666	.666	0	%100
48	M41	Z	-.385	-.385	0	%100
49	M42	X	.531	.531	0	%100
50	M42	Z	-.307	-.307	0	%100
51	M43	X	.183	.183	0	%100
52	M43	Z	-.106	-.106	0	%100
53	M44	X	.66	.66	0	%100
54	M44	Z	-.381	-.381	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	.54	.54	0	%100
10	M13	Z	0	0	0	%100
11	RRU	X	.54	.54	0	%100
12	RRU	Z	0	0	0	%100
13	M15	X	.54	.54	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	.54	.54	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	.441	.441	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.441	.441	0	%100
20	M20	Z	0	0	0	%100
21	M25	X	.043	.043	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	.043	.043	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	.54	.54	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	.54	.54	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	.169	.169	0	%100
30	M29	Z	0	0	0	%100
31	MP1A	X	.661	.661	0	%100
32	MP1A	Z	0	0	0	%100
33	M30	X	.179	.179	0	%100
34	M30	Z	0	0	0	%100
35	MP2A	X	.661	.661	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	.8	.8	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	.661	.661	0	%100
40	MP4A	Z	0	0	0	%100
41	MP5A	X	.661	.661	0	%100
42	MP5A	Z	0	0	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	0	0	0	%100
45	M40A	X	.764	.764	0	%100
46	M40A	Z	0	0	0	%100
47	M41	X	.277	.277	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	.324	.324	0	%100
50	M42	Z	0	0	0	%100
51	M43	X	.689	.689	0	%100
52	M43	Z	0	0	0	%100
53	M44	X	.194	.194	0	%100
54	M44	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.301	.301	0	%100
2	M1	Z	.174	.174	0	%100
3	M2	X	.301	.301	0	%100
4	M2	Z	.174	.174	0	%100
5	M7A	X	.301	.301	0	%100
6	M7A	Z	.174	.174	0	%100
7	M8	X	.301	.301	0	%100
8	M8	Z	.174	.174	0	%100
9	M13	X	.468	.468	0	%100
10	M13	Z	.27	.27	0	%100
11	RRU	X	.468	.468	0	%100
12	RRU	Z	.27	.27	0	%100
13	M15	X	.468	.468	0	%100
14	M15	Z	.27	.27	0	%100
15	M16	X	.468	.468	0	%100
16	M16	Z	.27	.27	0	%100
17	M19	X	.028	.028	0	%100
18	M19	Z	.016	.016	0	%100
19	M20	X	.028	.028	0	%100
20	M20	Z	.016	.016	0	%100
21	M25	X	.003	.003	0	%100
22	M25	Z	.002	.002	0	%100
23	M26	X	.003	.003	0	%100
24	M26	Z	.002	.002	0	%100
25	M27	X	.468	.468	0	%100
26	M27	Z	.27	.27	0	%100
27	M28	X	.468	.468	0	%100
28	M28	Z	.27	.27	0	%100
29	M29	X	.124	.124	0	%100
30	M29	Z	.071	.071	0	%100
31	MP1A	X	.572	.572	0	%100
32	MP1A	Z	.33	.33	0	%100
33	M30	X	.000344	.000344	0	%100
34	M30	Z	.000199	.000199	0	%100
35	MP2A	X	.572	.572	0	%100
36	MP2A	Z	.33	.33	0	%100
37	MP3A	X	.693	.693	0	%100
38	MP3A	Z	.4	.4	0	%100
39	MP4A	X	.572	.572	0	%100
40	MP4A	Z	.33	.33	0	%100
41	MP5A	X	.572	.572	0	%100
42	MP5A	Z	.33	.33	0	%100
43	M35A	X	.173	.173	0	%100
44	M35A	Z	.1	.1	0	%100
45	M40A	X	.903	.903	0	%100
46	M40A	Z	.521	.521	0	%100
47	M41	X	.134	.134	0	%100
48	M41	Z	.078	.078	0	%100
49	M42	X	.036	.036	0	%100
50	M42	Z	.021	.021	0	%100
51	M43	X	.828	.828	0	%100
52	M43	Z	.478	.478	0	%100
53	M44	X	.01	.01	0	%100
54	M44	Z	.006	.006	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.522	.522	0	%100
2	M1	Z	.904	.904	0	%100
3	M2	X	.522	.522	0	%100
4	M2	Z	.904	.904	0	%100
5	M7A	X	.522	.522	0	%100
6	M7A	Z	.904	.904	0	%100
7	M8	X	.522	.522	0	%100
8	M8	Z	.904	.904	0	%100
9	M13	X	.27	.27	0	%100
10	M13	Z	.468	.468	0	%100
11	RRU	X	.27	.27	0	%100
12	RRU	Z	.468	.468	0	%100
13	M15	X	.27	.27	0	%100
14	M15	Z	.468	.468	0	%100
15	M16	X	.27	.27	0	%100
16	M16	Z	.468	.468	0	%100
17	M19	X	.062	.062	0	%100
18	M19	Z	.108	.108	0	%100
19	M20	X	.062	.062	0	%100
20	M20	Z	.108	.108	0	%100
21	M25	X	.006	.006	0	%100
22	M25	Z	.011	.011	0	%100
23	M26	X	.006	.006	0	%100
24	M26	Z	.011	.011	0	%100
25	M27	X	.27	.27	0	%100
26	M27	Z	.468	.468	0	%100
27	M28	X	.27	.27	0	%100
28	M28	Z	.468	.468	0	%100
29	M29	X	.074	.074	0	%100
30	M29	Z	.129	.129	0	%100
31	MP1A	X	.33	.33	0	%100
32	MP1A	Z	.572	.572	0	%100
33	M30	X	.076	.076	0	%100
34	M30	Z	.131	.131	0	%100
35	MP2A	X	.33	.33	0	%100
36	MP2A	Z	.572	.572	0	%100
37	MP3A	X	.4	.4	0	%100
38	MP3A	Z	.693	.693	0	%100
39	MP4A	X	.33	.33	0	%100
40	MP4A	Z	.572	.572	0	%100
41	MP5A	X	.33	.33	0	%100
42	MP5A	Z	.572	.572	0	%100
43	M35A	X	.3	.3	0	%100
44	M35A	Z	.52	.52	0	%100
45	M40A	X	.499	.499	0	%100
46	M40A	Z	.865	.865	0	%100
47	M41	X	.262	.262	0	%100
48	M41	Z	.455	.455	0	%100
49	M42	X	.024	.024	0	%100
50	M42	Z	.041	.041	0	%100
51	M43	X	.373	.373	0	%100
52	M43	Z	.645	.645	0	%100
53	M44	X	.199	.199	0	%100
54	M44	Z	.344	.344	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	1.391	1.391	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.391	1.391	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	1.391	1.391	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	1.391	1.391	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	.54	.54	0	%100
11	RRU	X	0	0	0	%100
12	RRU	Z	.54	.54	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	.54	.54	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	.54	.54	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.626	.626	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.626	.626	0	%100
21	M25	X	0	0	0	%100
22	M25	Z	.061	.061	0	%100
23	M26	X	0	0	0	%100
24	M26	Z	.061	.061	0	%100
25	M27	X	0	0	0	%100
26	M27	Z	.54	.54	0	%100
27	M28	X	0	0	0	%100
28	M28	Z	.54	.54	0	%100
29	M29	X	0	0	0	%100
30	M29	Z	.181	.181	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	.661	.661	0	%100
33	M30	X	0	0	0	%100
34	M30	Z	.481	.481	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	.661	.661	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	.8	.8	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	.661	.661	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	.661	.661	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	.8	.8	0	%100
45	M40A	X	0	0	0	%100
46	M40A	Z	.677	.677	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	1.017	1.017	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	.337	.337	0	%100
51	M43	X	0	0	0	%100
52	M43	Z	.268	.268	0	%100
53	M44	X	0	0	0	%100
54	M44	Z	.965	.965	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.522	-.522	0	%100
2	M1	Z	.904	.904	0	%100
3	M2	X	-.522	-.522	0	%100
4	M2	Z	.904	.904	0	%100
5	M7A	X	-.522	-.522	0	%100
6	M7A	Z	.904	.904	0	%100
7	M8	X	-.522	-.522	0	%100
8	M8	Z	.904	.904	0	%100
9	M13	X	-.27	-.27	0	%100
10	M13	Z	.468	.468	0	%100
11	RRU	X	-.27	-.27	0	%100
12	RRU	Z	.468	.468	0	%100
13	M15	X	-.27	-.27	0	%100
14	M15	Z	.468	.468	0	%100
15	M16	X	-.27	-.27	0	%100
16	M16	Z	.468	.468	0	%100
17	M19	X	-.517	-.517	0	%100
18	M19	Z	.896	.896	0	%100
19	M20	X	-.517	-.517	0	%100
20	M20	Z	.896	.896	0	%100
21	M25	X	-.051	-.051	0	%100
22	M25	Z	.088	.088	0	%100
23	M26	X	-.051	-.051	0	%100
24	M26	Z	.088	.088	0	%100
25	M27	X	-.27	-.27	0	%100
26	M27	Z	.468	.468	0	%100
27	M28	X	-.27	-.27	0	%100
28	M28	Z	.468	.468	0	%100
29	M29	X	-.103	-.103	0	%100
30	M29	Z	.179	.179	0	%100
31	MP1A	X	-.33	-.33	0	%100
32	MP1A	Z	.572	.572	0	%100
33	M30	X	-.33	-.33	0	%100
34	M30	Z	.572	.572	0	%100
35	MP2A	X	-.33	-.33	0	%100
36	MP2A	Z	.572	.572	0	%100
37	MP3A	X	-.4	-.4	0	%100
38	MP3A	Z	.693	.693	0	%100
39	MP4A	X	-.33	-.33	0	%100
40	MP4A	Z	.572	.572	0	%100
41	MP5A	X	-.33	-.33	0	%100
42	MP5A	Z	.572	.572	0	%100
43	M35A	X	-.3	-.3	0	%100
44	M35A	Z	.52	.52	0	%100
45	M40A	X	-.199	-.199	0	%100
46	M40A	Z	.345	.345	0	%100
47	M41	X	-.569	-.569	0	%100
48	M41	Z	.986	.986	0	%100
49	M42	X	-.31	-.31	0	%100
50	M42	Z	.537	.537	0	%100
51	M43	X	-.000545	-.000545	0	%100
52	M43	Z	.000944	.000944	0	%100
53	M44	X	-.574	-.574	0	%100
54	M44	Z	.994	.994	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.301	-.301	0	%100
2	M1	Z	.174	.174	0	%100
3	M2	X	-.301	-.301	0	%100
4	M2	Z	.174	.174	0	%100
5	M7A	X	-.301	-.301	0	%100
6	M7A	Z	.174	.174	0	%100
7	M8	X	-.301	-.301	0	%100
8	M8	Z	.174	.174	0	%100
9	M13	X	-.468	-.468	0	%100
10	M13	Z	.27	.27	0	%100
11	RRU	X	-.468	-.468	0	%100
12	RRU	Z	.27	.27	0	%100
13	M15	X	-.468	-.468	0	%100
14	M15	Z	.27	.27	0	%100
15	M16	X	-.468	-.468	0	%100
16	M16	Z	.27	.27	0	%100
17	M19	X	-.816	-.816	0	%100
18	M19	Z	.471	.471	0	%100
19	M20	X	-.816	-.816	0	%100
20	M20	Z	.471	.471	0	%100
21	M25	X	-.08	-.08	0	%100
22	M25	Z	.046	.046	0	%100
23	M26	X	-.08	-.08	0	%100
24	M26	Z	.046	.046	0	%100
25	M27	X	-.468	-.468	0	%100
26	M27	Z	.27	.27	0	%100
27	M28	X	-.468	-.468	0	%100
28	M28	Z	.27	.27	0	%100
29	M29	X	-.174	-.174	0	%100
30	M29	Z	.1	.1	0	%100
31	MP1A	X	-.572	-.572	0	%100
32	MP1A	Z	.33	.33	0	%100
33	M30	X	-.441	-.441	0	%100
34	M30	Z	.255	.255	0	%100
35	MP2A	X	-.572	-.572	0	%100
36	MP2A	Z	.33	.33	0	%100
37	MP3A	X	-.693	-.693	0	%100
38	MP3A	Z	.4	.4	0	%100
39	MP4A	X	-.572	-.572	0	%100
40	MP4A	Z	.33	.33	0	%100
41	MP5A	X	-.572	-.572	0	%100
42	MP5A	Z	.33	.33	0	%100
43	M35A	X	-.173	-.173	0	%100
44	M35A	Z	.1	.1	0	%100
45	M40A	X	-.383	-.383	0	%100
46	M40A	Z	.221	.221	0	%100
47	M41	X	-.666	-.666	0	%100
48	M41	Z	.385	.385	0	%100
49	M42	X	-.531	-.531	0	%100
50	M42	Z	.307	.307	0	%100
51	M43	X	-.183	-.183	0	%100
52	M43	Z	.106	.106	0	%100
53	M44	X	-.66	-.66	0	%100
54	M44	Z	.381	.381	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-.54	-.54	0	%100
10	M13	Z	0	0	0	%100
11	RRU	X	-.54	-.54	0	%100
12	RRU	Z	0	0	0	%100
13	M15	X	-.54	-.54	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	-.54	-.54	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-.441	-.441	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.441	-.441	0	%100
20	M20	Z	0	0	0	%100
21	M25	X	-.043	-.043	0	%100
22	M25	Z	0	0	0	%100
23	M26	X	-.043	-.043	0	%100
24	M26	Z	0	0	0	%100
25	M27	X	-.54	-.54	0	%100
26	M27	Z	0	0	0	%100
27	M28	X	-.54	-.54	0	%100
28	M28	Z	0	0	0	%100
29	M29	X	-.169	-.169	0	%100
30	M29	Z	0	0	0	%100
31	MP1A	X	-.661	-.661	0	%100
32	MP1A	Z	0	0	0	%100
33	M30	X	-.179	-.179	0	%100
34	M30	Z	0	0	0	%100
35	MP2A	X	-.661	-.661	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	-.8	-.8	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	-.661	-.661	0	%100
40	MP4A	Z	0	0	0	%100
41	MP5A	X	-.661	-.661	0	%100
42	MP5A	Z	0	0	0	%100
43	M35A	X	0	0	0	%100
44	M35A	Z	0	0	0	%100
45	M40A	X	-.764	-.764	0	%100
46	M40A	Z	0	0	0	%100
47	M41	X	-.277	-.277	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-.324	-.324	0	%100
50	M42	Z	0	0	0	%100
51	M43	X	-.689	-.689	0	%100
52	M43	Z	0	0	0	%100
53	M44	X	-.194	-.194	0	%100
54	M44	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.301	-.301	0	%100
2	M1	Z	-.174	-.174	0	%100
3	M2	X	-.301	-.301	0	%100
4	M2	Z	-.174	-.174	0	%100
5	M7A	X	-.301	-.301	0	%100
6	M7A	Z	-.174	-.174	0	%100
7	M8	X	-.301	-.301	0	%100
8	M8	Z	-.174	-.174	0	%100
9	M13	X	-.468	-.468	0	%100
10	M13	Z	-.27	-.27	0	%100
11	RRU	X	-.468	-.468	0	%100
12	RRU	Z	-.27	-.27	0	%100
13	M15	X	-.468	-.468	0	%100
14	M15	Z	-.27	-.27	0	%100
15	M16	X	-.468	-.468	0	%100
16	M16	Z	-.27	-.27	0	%100
17	M19	X	-.028	-.028	0	%100
18	M19	Z	-.016	-.016	0	%100
19	M20	X	-.028	-.028	0	%100
20	M20	Z	-.016	-.016	0	%100
21	M25	X	-.003	-.003	0	%100
22	M25	Z	-.002	-.002	0	%100
23	M26	X	-.003	-.003	0	%100
24	M26	Z	-.002	-.002	0	%100
25	M27	X	-.468	-.468	0	%100
26	M27	Z	-.27	-.27	0	%100
27	M28	X	-.468	-.468	0	%100
28	M28	Z	-.27	-.27	0	%100
29	M29	X	-.124	-.124	0	%100
30	M29	Z	-.071	-.071	0	%100
31	MP1A	X	-.572	-.572	0	%100
32	MP1A	Z	-.33	-.33	0	%100
33	M30	X	-.000344	-.000344	0	%100
34	M30	Z	-.000199	-.000199	0	%100
35	MP2A	X	-.572	-.572	0	%100
36	MP2A	Z	-.33	-.33	0	%100
37	MP3A	X	-.693	-.693	0	%100
38	MP3A	Z	-.4	-.4	0	%100
39	MP4A	X	-.572	-.572	0	%100
40	MP4A	Z	-.33	-.33	0	%100
41	MP5A	X	-.572	-.572	0	%100
42	MP5A	Z	-.33	-.33	0	%100
43	M35A	X	-.173	-.173	0	%100
44	M35A	Z	-.1	-.1	0	%100
45	M40A	X	-.903	-.903	0	%100
46	M40A	Z	-.521	-.521	0	%100
47	M41	X	-.134	-.134	0	%100
48	M41	Z	-.078	-.078	0	%100
49	M42	X	-.036	-.036	0	%100
50	M42	Z	-.021	-.021	0	%100
51	M43	X	-.828	-.828	0	%100
52	M43	Z	-.478	-.478	0	%100
53	M44	X	-.01	-.01	0	%100
54	M44	Z	-.006	-.006	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.522	-.522	0	%100
2	M1	Z	-.904	-.904	0	%100
3	M2	X	-.522	-.522	0	%100
4	M2	Z	-.904	-.904	0	%100
5	M7A	X	-.522	-.522	0	%100
6	M7A	Z	-.904	-.904	0	%100
7	M8	X	-.522	-.522	0	%100
8	M8	Z	-.904	-.904	0	%100
9	M13	X	-.27	-.27	0	%100
10	M13	Z	-.468	-.468	0	%100
11	RRU	X	-.27	-.27	0	%100
12	RRU	Z	-.468	-.468	0	%100
13	M15	X	-.27	-.27	0	%100
14	M15	Z	-.468	-.468	0	%100
15	M16	X	-.27	-.27	0	%100
16	M16	Z	-.468	-.468	0	%100
17	M19	X	-.062	-.062	0	%100
18	M19	Z	-.108	-.108	0	%100
19	M20	X	-.062	-.062	0	%100
20	M20	Z	-.108	-.108	0	%100
21	M25	X	-.006	-.006	0	%100
22	M25	Z	-.011	-.011	0	%100
23	M26	X	-.006	-.006	0	%100
24	M26	Z	-.011	-.011	0	%100
25	M27	X	-.27	-.27	0	%100
26	M27	Z	-.468	-.468	0	%100
27	M28	X	-.27	-.27	0	%100
28	M28	Z	-.468	-.468	0	%100
29	M29	X	-.074	-.074	0	%100
30	M29	Z	-.129	-.129	0	%100
31	MP1A	X	-.33	-.33	0	%100
32	MP1A	Z	-.572	-.572	0	%100
33	M30	X	-.076	-.076	0	%100
34	M30	Z	-.131	-.131	0	%100
35	MP2A	X	-.33	-.33	0	%100
36	MP2A	Z	-.572	-.572	0	%100
37	MP3A	X	-.4	-.4	0	%100
38	MP3A	Z	-.693	-.693	0	%100
39	MP4A	X	-.33	-.33	0	%100
40	MP4A	Z	-.572	-.572	0	%100
41	MP5A	X	-.33	-.33	0	%100
42	MP5A	Z	-.572	-.572	0	%100
43	M35A	X	-.3	-.3	0	%100
44	M35A	Z	-.52	-.52	0	%100
45	M40A	X	-.499	-.499	0	%100
46	M40A	Z	-.865	-.865	0	%100
47	M41	X	-.262	-.262	0	%100
48	M41	Z	-.455	-.455	0	%100
49	M42	X	-.024	-.024	0	%100
50	M42	Z	-.041	-.041	0	%100
51	M43	X	-.373	-.373	0	%100
52	M43	Z	-.645	-.645	0	%100
53	M44	X	-.199	-.199	0	%100
54	M44	Z	-.344	-.344	0	%100

Member Area Loads

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

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	N34	max	879.744	1	199.585	14	956.67	1	0	75	0	75	0	75
2		min	-976.099	7	24.908	8	-1088.728	7	0	1	0	1	0	1
3	N33	max	2149.768	1	170.147	14	1539.167	1	0	75	0	75	0	75
4		min	-1554.85	7	21.944	8	-1154.923	7	0	1	0	1	0	1
5	N60	max	830.043	8	56.381	2	458.614	8	0	75	0	75	0	75
6		min	-1192.658	2	-23.514	8	-651.143	2	0	1	0	1	0	1
7	N61	max	1510.389	2	65.691	20	1593.99	2	0	75	0	75	0	75
8		min	-1674.187	8	16.301	2	-1779.749	8	0	1	0	1	0	1
9	N83	max	4722.636	2	2239.093	20	2225.482	21	.006	2	.005	8	.005	8
10		min	-1532.256	8	750.923	65	752.29	66	-.005	8	-.005	2	-.005	2
11	N85A	max	6120.802	8	63.844	14	-553.716	8	.006	2	0	75	.008	8
12		min	-9243.56	2	17.158	71	-2206.846	14	-.006	8	0	1	-.008	2
13	Totals:	max	2065.225	9	2718.242	20	3356.951	1						
14		min	-2065.229	3	924.997	66	-3356.975	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	L3X3X4	.450	5.278	8	.344	1.979	z	8	19187.9...	46656	1.688	3.403	1....	H2-1
2	M2	L3X3X4	.533	5.273	8	.295	5.273	z	2	19638.8...	46656	1.688	3.345	1....	H2-1
3	M7A	L3X3X4	.639	5.278	2	.260	.264	y	8	19187.9...	46656	1.688	3.756	3....	H2-1
4	M8	L3X3X4	.561	0	2	.181	5.273	z	2	19638.8...	46656	1.688	3.756	2....	H2-1
5	M13	PIPE_2.0	.555	1.5	2	.246	1.5		2	28843.4...	32130	1.872	1.872	1....	H1-1b
6	RRU	PIPE_2.0	.496	0	2	.358	1.5		2	28843.4...	32130	1.872	1.872	2....	H3-6
7	M15	PIPE_2.0	.232	0	2	.190	0		8	28843.4...	32130	1.872	1.872	2....	H1-1b
8	M16	PIPE_2.0	.415	0	8	.253	.5		8	28843.4...	32130	1.872	1.872	2....	H1-1b
9	M19	LL3x3x4x3	.103	2.435	2	.071	.315	z	44	75720.2...	93312	7.427	4.415	1....	H1-1b
10	M20	L3X3X6	.166	.344	2	.098	.315	z	38	57685.7...	68364	2.307	5.322	2....	H2-1
11	M25	PL3/8x7	.288	0	14	.007	1	y	2	59273.24	85050	.664	11.309	1	H1-1b
12	M26	PL3/8x7	.280	0	14	.005	0	y	2	59273.24	85050	.664	11.309	1	H1-1b
13	M27	PIPE_2.0	.105	0	2	.241	3		2	28843.4...	32130	1.872	1.872	2....	H3-6
14	M28	PIPE_2.0	.079	0	2	.220	0		2	28843.4...	32130	1.872	1.872	1....	H3-6
15	M29	SR 0.75	.053	1.826	13	.025	0		2	3727.724	14313.8...	.179	.179	1....	H1-1b
16	MP1A	PIPE_2.0	.362	5.563	32	.129	4.625		26	20866.7...	32130	1.872	1.872	4....	H1-1b
17	M30	PIPE_2.0	.231	0	8	.008	0		8	12575.4...	32130	1.872	1.872	1....	H1-1b
18	MP2A	PIPE_2.0	.390	5.563	8	.157	5.563		32	20866.7...	32130	1.872	1.872	3....	H1-1b
19	MP3A	PIPE_2.5	.878	5.583	2	.589	4.75		2	30038.4...	50715	3.596	3.596	4....	H3-6
20	MP4A	PIPE_2.0	.826	5.563	8	.411	5.563		2	20866.7...	32130	1.872	1.872	4....	H3-6
21	MP5A	PIPE_2.0	.360	5.563	2	.163	5.563		2	20866.7...	32130	1.872	1.872	3....	H1-1b
22	M35A	PIPE_2.5	.864	8.913	2	.424	2.097		2	14366.5...	50715	3.596	3.596	1....	H1-1a
23	M40A	L2.5x2.5x4	.119	2.122	8	.045	4.244	z	2	21422.4...	38556	1.114	2.328	1....	H2-1
24	M41	L2.5x2.5x4	.721	3.667	2	.012	7.334	y	2	8063.539	38556	1.114	2.038	1....	H2-1
25	M42	PIPE_2.0	.815	8.838	2	.010	0		2	3416.299	32130	1.872	1.872	2....	H1-1a
26	M43	L2.5x2.5x4	.091	1.515	2	.049	0	y	8	28577.0...	38556	1.114	2.471	1....	H2-1
27	M44	L2.5x2.5x4	.534	3.141	8	.011	6.281	y	2	10993.4...	38556	1.114	2.129	1....	H2-1

VzW SMART Tool© Vendor

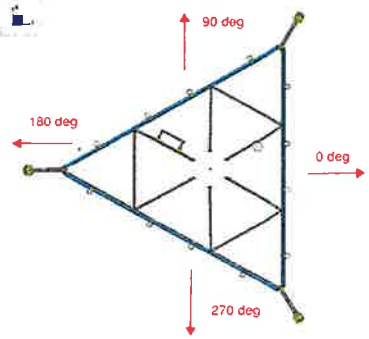
Client:	Verizon Wireless	Date:	7/7/2023
Site Name:	PUTNAM SOUTH CT - SBA - Putnam Freight		
MDG #:	5000242993		
Fuze ID #:	17123838	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

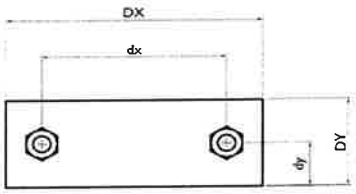
Custom Orientation Required: **Yes**

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N34	50
N33	50



Tower Connection Bolt Checks: **Yes**

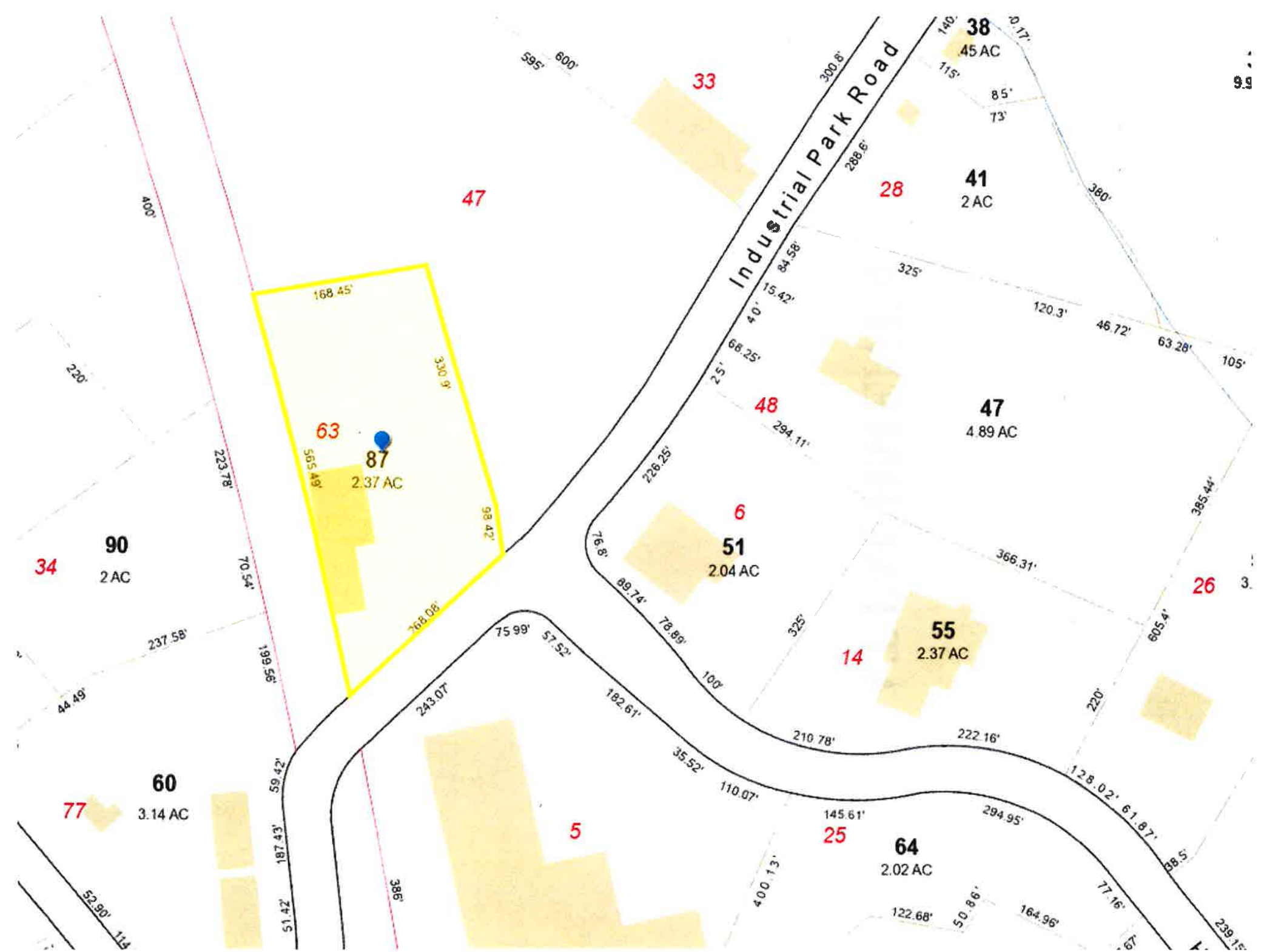
Bolt Orientation: **Parallel**



Bolt Quantity per Reaction:	2 (Horizontal)
d_x (in) *(Delta X of typ. bolt config. sketch)*:	9
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	2
Bolt Type:	A307
Bolt Diameter (in):	0.75
Required Tensile Strength / bolt (kips):	1.6
Required Shear Strength / bolt (kips):	1.8
Tensile Capacity / bolt (kips):	14.9
Shear Capacity / bolt (kips):	8.9
Bolt Overall Utilization:	20.6%

Tower Connection Baseplate Checks: **No**

ATTACHMENT 4


Industrial Park Road
87
2.37 AC
63
38
.45 AC
41
2 AC
47
4.89 AC
48
51
2.04 AC
6
55
2.37 AC
14
90
2 AC
34
60
3.14 AC
77
64
2.02 AC
25
5
33
47
28
26
168.45'
330.9'
565.49'
98.42'
768.08'
400'
220'
223.78'
70.54'
237.58'
199.58'
44.49'
59.42'
187.43'
51.42'
52.90'
386'
243.07'
75.99'
57.52'
182.61'
35.52'
110.07'
145.61'
400.13'
122.68'
50.86'
164.96'
77.16'
294.95'
128.02'
61.87'
210.78'
222.16'
220'
605.4'
385.44'
366.31'
325'
76.8'
89.74'
78.89'
100'
226.25'
294.11'
68.25'
25'
40'
15.42'
84.58'
325'
120.3'
46.72'
63.28'
105'
380'
288.6'
300.8'
115'
85'
73'
595'
600'

Property Card: 63 INDUSTRIAL PARK RD

Town of Putnam, CT

Parcel Information

Parcel ID:	038-087-000	**Map:**	038
Vision ID:	3164	**Lot:**	-087
Owner:	DMW PUTNAM LLC	**Land Area in Acres:**	2.39
Co-Owner:		**Use Description:**	Industrial
Mailing Address:	643 MANLEY STREET	**Zone:**	I
	WEST BRIDGEWATER, MA 02379	**Neighborhood Code:**	2

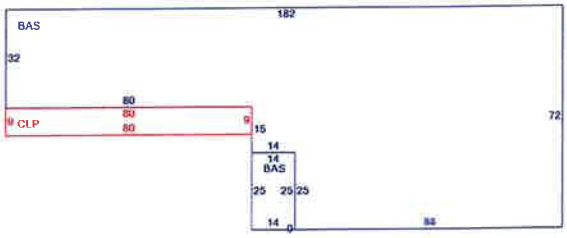
Sale History

Book/Page:	0791/ 0090
Sale Date:	10/19/2016
Sale Price:	$200,000

Assessed Value

Land:	$84,700
Buildings:	$136,200
Extra Bldg Features:	$2,400
Outbuildings:	$102,000
Total:	$325,300

Building Details: Building # 1



Exterior Details

Building Type:	Warehouse
Appr. Year Built:	
Occupancy:	1
Stories:	1
Roof Cover:	Enamel Metal
Roof Type:	Gable
Ext Wall Desc 1:	Pre-finsh Metl
Ext Wall Desc 2:	

Building Interior

Living Area:	9904
No. Total Rooms:	
No. Bedroms:	
No. Full Baths:	
No. Half Baths:	
Bath Style:	
Kitchen Style:	
Wall Type 1:	Minim/Masonry
Wall Type 2:	
Heat Type:	Forced Air-Duc
Heat Fuel:	Gas
A/C Type:	None

Environmental Inventory

EPA ID:
Zone: I
Allowed Use:
Agriculture/Livestock/Domestic Animals,Public Uses,Transportation,Utilities,Storage/Distribution,Business Services,Lodging/Dining/Conference/Banquet,Industrial,Technology,Accessory Uses,
Environmental Database Listings:
SDADB
CPCS
PROPERTY
LWDS
ERNS
ENF

Disclaimer:
The Environmental Records Inventory layer was developed to identify properties where additional research and due diligence is warranted. The properties in this layer were included in a search of environmental databases, had a history of commercial, industrial, or institutional use, or have been zoned to allow a broad range of non-residential uses.

The information provided by these database references has been gathered from various sources and is not intended to be authoritative or to replace appropriate due diligence in researching the status of these properties.

ATTACHMENT 5

Verizon/Putnam South

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 08/07/2023 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.	Barney Seney, Mayor Town of Putnam 200 School Street Putnam, CT 06260	OLD STATE HOUSE STATION 06103 AUG - 7 2023 USPS			
2.	Bruce Fitzback, Land Use Agent Town of Putnam 200 School Street Putnam, CT 06260				
3.	DMV Putnam 643 Manley Street West Bridgewater, MA 02379				
4.					
5.					
6.					