Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

August 29, 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**
349 Mountain Road, Windham (Willimantic), Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower was approved by the Town of Windham ("Town"). As noted in Cellco's August 4, 2021 exempt modification filing, Cellco's real estate consultants reached out to Town staff in an effort to obtain copies of Town approvals. Town staff was unable to locate any files related to local approval of the tower. Cellco's use of the tower was approved by the Siting Council ("Council") in October of 2000 (EM-VER-163-000928). A copy of the cover page to Cellco's August 4, 2021 filing and Cellco's exempt modification approval are included in Attachment 1.

Cellco's proposed modification involves the installation of six (6) interference mitigation filters ("Filters") on its existing antenna platform and mounting assembly. The Filter specification sheet is included in Attachment 2.

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

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

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

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

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

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

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

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

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
James Rivers, Town Manager
Matthew Vertefeuille, Director of Code compliance
SBA Properties LLC, the Property Owner
Kamoya Bautista DeLeon, Verizon Wireless

ATTACHMENT 1

Robinson+Cole

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
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Also admitted in Massachusetts and New York

August 4, 2021

Via Electronic Mail

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**
349R Mountain Street, Windham (Willimantic), Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Windham. Cellco's real estate consultants did reach out to Town staff in an effort to obtain copies of the original tower approval. Town staff was unable to locate those documents.[1] Cellco's shared use of the tower was approved by the Council in October 2000 (EM-VER-163-000928). A copy of Cellco's approval is included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) new Samsung MT6407-77A antennas and replacing nine (9) existing remote radio heads ("RRHs") with six (6) new RRHs all on Cellco's existing antenna mounts. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs specifications are 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 Windham's Chief Elected

[1] In Council filing EM-T-Mobile-163-160818 T-Mobile did note that Town officials they spoke with indicated that the tower was installed on the Property prior to the adoption of the Town zoning regulations.

October 23, 2000

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

RE: **EM-VER-163-000928** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 349R Mountain Street, Willimantic, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on October 19, 2000, the Connecticut Siting Council (Council) acknowledged your notice to replace and modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated September 28, 2000, including information received dated October 18, 2000. The replacement and modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

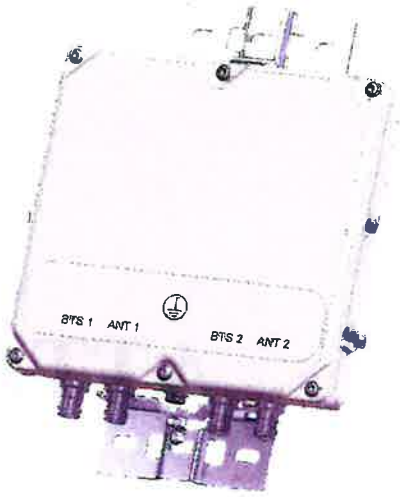
c: Honorable John J. Lescoe, First Selectman, Town of Windham
James E. Finger, Town Planner, Town of Windham
Sandy M. Carter, Verizon Wireless
Michael C. Rice, President, Nutmeg Broadcasting
J. Brendan Sharkey, VoiceStream Wireless

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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



FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

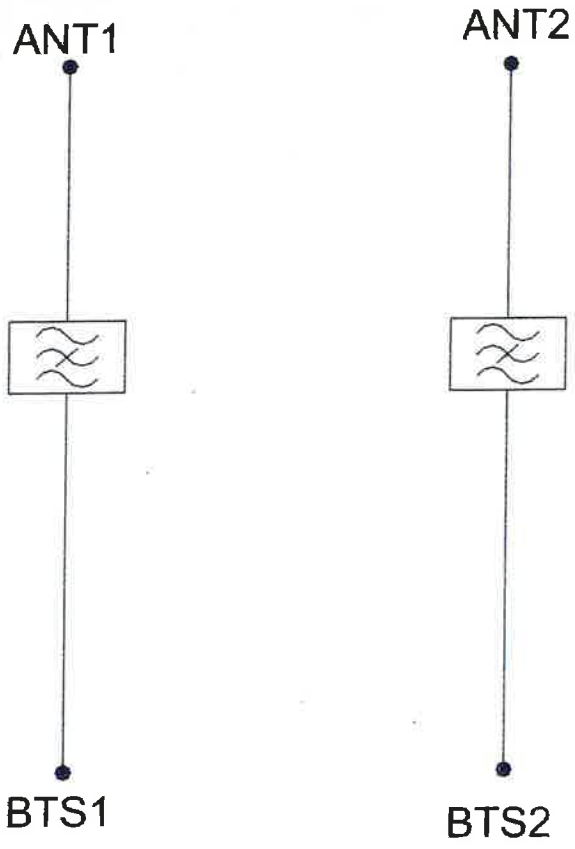
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm ¦ 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg ¦ 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

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

ORDERING INFORMATION

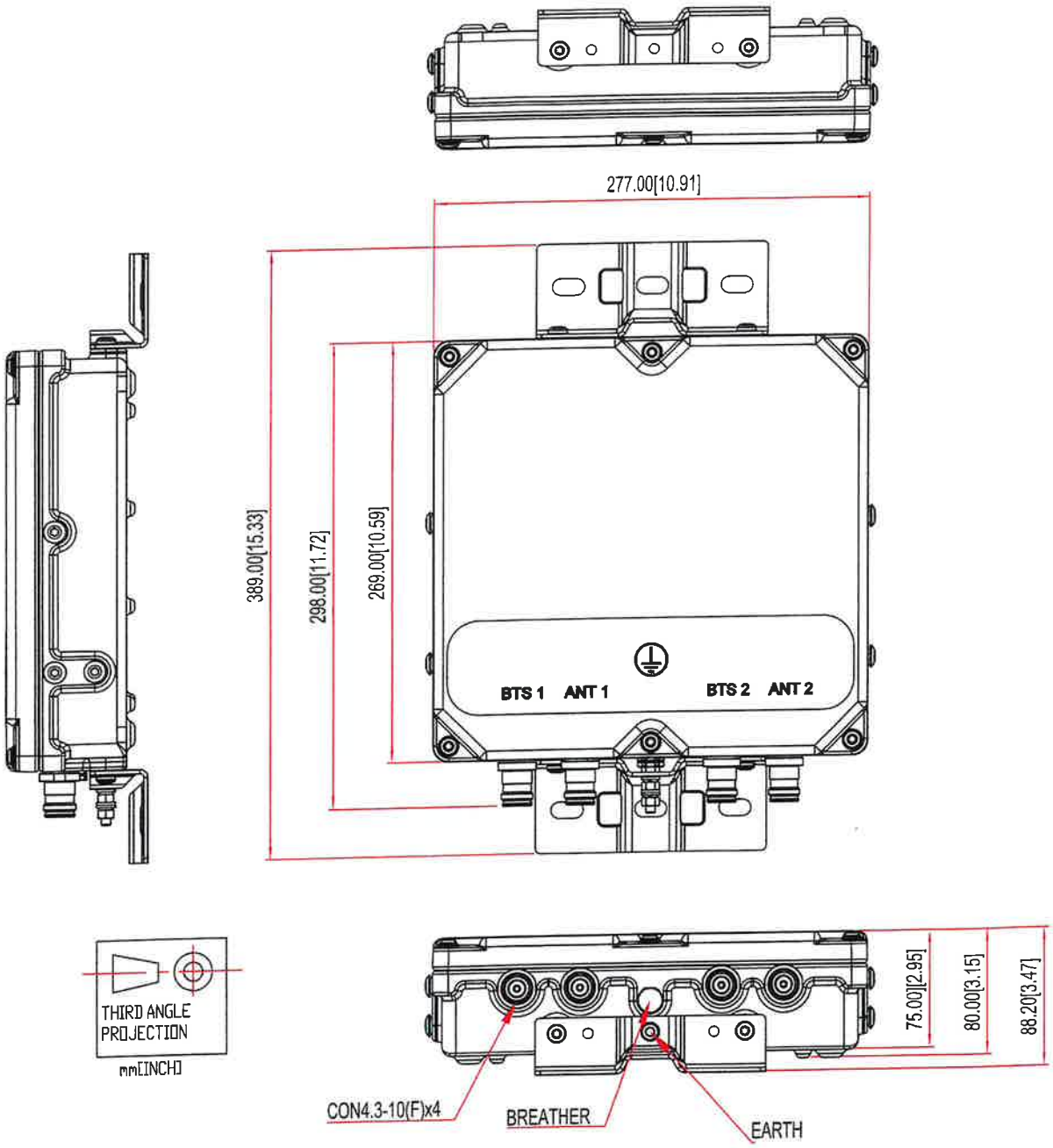
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

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

T + 561.995.7670
F + 561.995.7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000245839 / Willimantic CT
Application #: 234009, v2

SBA Site ID / Name: CT06462-A / MOUNTAIN STREET

196' Self Supporting Tower

349 Mountain Street
Windham, CT 06226
Lat: 41.703011, Long: -72.221392

Project number: CT06462-VZW-081023

Analysis Results

Tower	79.0%	Pass
Foundation	50.0%	Pass

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

Prepared by:

Asmerom Hagos
Structural Engineer II
214-570-8110 ext 2612
ahagos@sbasite.com

Reviewed by:

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

August 14, 2023

STATE OF CONNECTICUT
ANANTHA B. SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

08/18/23

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 Design	ROHN, File # 49204TT, dated 9/27/2001
Foundation Design	ROHN, Drawing # A012046, dated 8/31/2001
Geotechnical report	BL Companies, Report # 00C672-C, dated 12/01/2000
Modification drawings	N/A
Carrier MA	Colliers Engineering & Design, Project # 23777159, Dated 7/23/2023
Latest SA Report	TES, Project # 130376, dated 6/14/2022

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut / Windham / Windham
Governing Codes	ANSI/TIA-222-H , 2021 IBC , 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	121 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	B
Topographic Category	5
Crest Height	295 ft.
Ground Elevation	522.16 ft.
Seismic Parameter S_s	0.192
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
185	185	Panel	3	Antel	BXA-80080/4CF	(3) 1-5/8"	Direct Mount	Verizon
		Diplexer	6	RFS	FD9R6004/2C-3L			
164	167	Omni	1	Commscope	DB586-Y	(8) 7/8" (1) 1/2"	(1) Side Arm (Commscope S-200)	Connecticut Light & Power / Eversource
	164	TTA	1	Powerwave	LGP104			
161	165	Omni	1	RFS	BA1312-0		(1) Side Arm (Commscope S-400)	
159	166.5	Omni	1	RFS	458-2		(1) Side Arm (Commscope S-400)	
152	163.6	Dipole	1	Comrod	876F-70-2HSMP40DF1/2		(1) Side Arm (Site Pro 1 USF-4U)	
130	140.4	Omni	1	RFS	220-3AN		(1) Side Arm (Commscope S-600)	
130	139.5	Omni	1	RFS	220-7N		(1) Side Arm (Commscope S-600)	
130	137	Omni	1	Kreco	CO-36A		(1) Side Arm (Wireless Solutions WS-400)	
169	169	Panel	3	Commscope	LNX-6515DS-VTM	(12) 1-5/8" (2) 1-5/8" Hybrid	(3) 10' T-Frames	Verizon / T-Mobile (A-11)1
		Panel	3	Ericsson	AIR 21 B2A/B4P			
		Panel	3	Ericsson	AIR 32 B66aa/B2a			
		Panel	3	Ericsson	AIR 21 B2A/B4P			
		RRU	3	Ericsson	RRUS11 B12			
		TMA	3	Ericsson	KRY112 71			
		RRU	3	-	RRU			
		TMA	3	-	TMA			
120	120	Panel	4	Commscope	SBNHH-1D65B	(8) 1-5/8" (2) 1-5/8" Hybrid	(3) Sector Frames	Verizon
		Panel	2	Commscope	SBNHH-1D45B			
		Panel	3	Samsung	MT6407-77A			
		RRU	3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)			
		RRU	3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)			
		Box	2	RFS	DB-T1-6Z-8AB-0Z			
107	107	Panel	3	JMA Wireless	MX08FRO665-21	(1) 1.60" Hybrid	(3) Sector Mounts (Commscope MTC3975083)	Dish Wireless
		RRU	3	Fujitsu	TA08025-B605			
		RRU	3	Fujitsu	TA08025-B604			
		OVP	1	Raycap	RDIDC-9181-PF-48			

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 234009, v2 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
185	185	Panel	3	Antel	BXA-80080/4CF	(3) 1-5/8"	Direct Mount	Verizon
		Diplexer	6	RFS	FD9R6004/2C-3L			
120	120	Panel	4	Commscope	SBNHH-1D65B	(8) 1-5/8" (2) 1-5/8" Hybrid	(3) Sector Frames	
		Panel	2	Commscope	SBNHH-1D45B			
		Panel	3	Samsung	MT6407-77A			
		RRU	3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)			
		RRU	3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)			
		Box	2	RFS	DB-T1-6Z-8AB-0Z			
		Filter	6	Kaelus	KA-6030			

Analysis Results

Tower

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

Table 5 Tower Analysis Summary

Structural Component	% capacity	Analysis Result
Leg	60.0	Pass
Diagonal	79.0	Pass
Top girt	18.5	Pass
Bolt	79.0	Pass
Anchor Bolt	39.9	Pass

Foundation

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

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	50.0	Pass

Conclusions

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

Installation Requirements

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

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

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

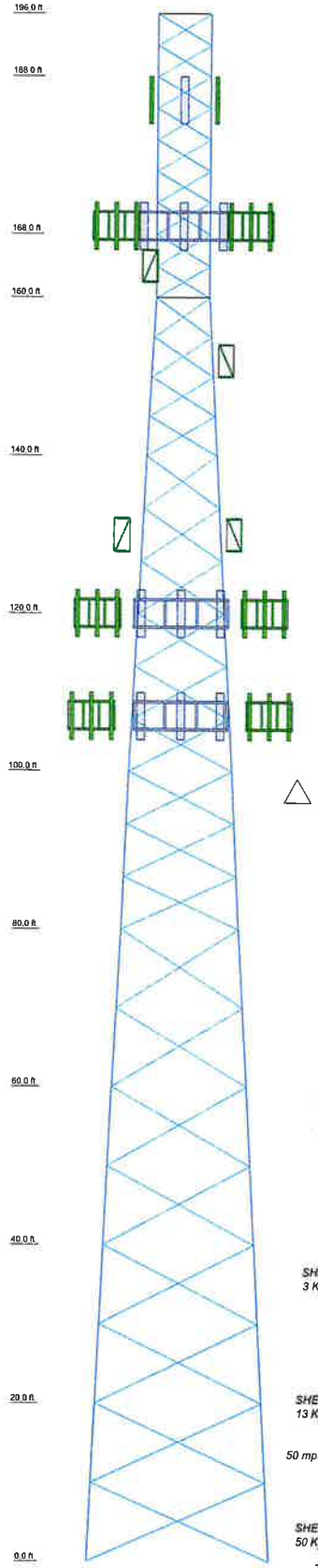
Limitations

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

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

Appendix

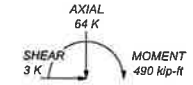
Legs	Leg Grade	Diagonals	Diagonal Grade	Top Girts	Face Width (ft)	# Panels @ (ft)	Weight (K)
ROHN 8 EHS	A572-50	L4x4x1/4	A36	N.A.	21	8 @ 10	26.6
ROHN 8 EHS		L3 1/2x3 1/2x1/4			16.58		34
ROHN 6 EH					14.68		32
ROHN 6 EHS		L3x3x1/4			12.22	9 @ 6.66667	30
ROHN 5 EH		L2 1/2x2 1/2x1/4			10.83		24
ROHN 4 EH					8.74		18
ROHN 3 EH		L2x2x3/16		L1 3/4x1 3/4x3/16	6.6572	4 @ 5	13
ROHN 3 STD		L2x2x1/4	A	N.A.	6.604	9 @ 4	13
							8.6



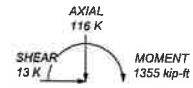
ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 271 K
SHEAR: 31 K

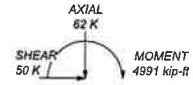
UPLIFT: -223 K
SHEAR: 27 K



TORQUE 0 kip-ft
SEISMIC



TORQUE 9 kip-ft
50 mph WIND - 1.0000 in ICE



TORQUE 36 kip-ft
REACTIONS - 121 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	196	Side Arm (Commscope S-400)	130
Pipe Mount	196	220-TH (228x2.8x2.8)	130
SL1	196	Side Arm (Commscope S-400)	130
SL2	188	CD-36A (144x0.62x0.63)	130
BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	165	Side Arm (Wireless Solutions WS-400)	130
(2) FD9R6004/2C-3L (5.8x6.5x1.5)	165	Sector Mount (SM 309)	120
(2) FD9R6004/2C-3L (5.8x6.5x1.5)	165	SBNHH-1D65B w/mount pipe (72x11.85x7.1)	120
(2) FD9R6004/2C-3L (5.8x6.5x1.5)	165	SBNHH-1D45B w/mount pipe (78.8x22.3x12.2)	120
BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	165	SBNHH-1D45B w/mount pipe (76.8x22.3x12.2)	120
BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	165	MT6407-77A w/mount pipe (35.12x16.06x5.51)	120
AIR 21 B2A/B4P w/mount pipe (56x12x8)	169	MT6407-77A w/mount pipe (35.12x16.06x5.51)	120
AIR 21 B2A/B4P w/mount pipe (56x12x8)	165	B2/B66A RRH-BR049 (RFV01U-D1A) (15x15x10)	120
AIR 21 B2A/B4P w/mount pipe (56x12x8)	169	B2/B66A RRH-BR049 (RFV01U-D1A) (15x15x10)	120
AIR 21 B2A/B4P w/mount pipe (56x12x8)	165	B2/B66A RRH-BR049 (RFV01U-D1A) (15x15x10)	120
AIR 21 B2A/B4P w/mount pipe (56x12x8)	169	B5/B13 RRH-BR04C (RFV01U-D2A) (15x15x8.1)	120
AIR 21 B2A/B4P w/mount pipe (56x12x8)	165	B5/B13 RRH-BR04C (RFV01U-D2A) (15x15x8.1)	120
LNX-6515DS-VTM w/mount pipe (96.4x11.9x7.1)	169	DB-T1-6Z-8AB-0Z (24x24x10)	120
LNX-6515DS-VTM w/mount pipe (96.4x11.9x7.1)	169	DB-T1-6Z-8AB-0Z (24x24x10)	120
LNX-6515DS-VTM w/mount pipe (96.4x11.9x7.1)	169	(2) KA-6030 (10.6x10.9x3.15)	120
AIR32 B2a/B66Aa w/mount pipe (59.6x12.9x8.7)	169	(2) KA-6030 (10.6x10.9x3.15)	120
AIR32 B2a/B66Aa w/mount pipe (59.6x12.9x8.7)	169	(2) Empty Pipe Mount	120
AIR32 B2a/B66Aa w/mount pipe (59.6x12.9x8.7)	169	(2) Empty Pipe Mount	120
KRY 112 144/1 (6.93x6.1x2.8)	169	(2) Empty Pipe Mount	120
KRY 112 144/1 (6.93x6.1x2.8)	169	Sector Mount (SM 309)	120
KRY 112 144/1 (6.93x6.1x2.8)	169	Sector Mount (SM 309)	120
RRUS11 B12	169	(2) SBNHH-1D65B w/mount pipe (72x11.85x7.1)	120
RRUS11 B12	169	SBNHH-1D65B w/mount pipe (72x11.85x7.1)	120
RRUS11 B12	169	MT6407-77A w/mount pipe (35.12x16.06x5.51)	120
RRU (20x17x7)	169	B5/B13 RRH-BR04C (RFV01U-D2A) (15x15x8.1)	120
RRU (20x17x7)	169	(2) KA-6030 (10.6x10.9x3.15)	120
RRU (20x17x7)	169	SL5	120
TMA (12.5x5.6x3.7)	169	TA08025-B604 (15.75x14.96x7.87)	107
TMA (12.5x5.6x3.7)	169	TA08025-B604 (15.75x14.96x7.87)	107
TMA (12.5x5.6x3.7)	169	TA08025-B604 (15.75x14.96x7.87)	107
Sector Mount (SM 309)	169	RDDC-0181-PF-48 (16.57x14.57x8.46)	107
Sector Mount (SM 309)	169	Sector Mount (Commscope MTC3975083)	107
Sector Mount (SM 309)	169	Sector Mount (Commscope MTC3975083)	107
SL3	168	Sector Mount (Commscope MTC3975083)	107
OB566-Y (52.56x2.5x2.5)	164	M008FRD665-21 (72x20x8)	107
LGP104 (7x1.2x4)	164	M008FRD665-21 (72x20x8)	107
Side Arm (Commscope S-200)	164	M008FRD665-21 (72x20x8)	107
BA1312-0 (104x2x2)	161	TA08025-B605 (15.75x14.96x9.05)	107
Side Arm (Commscope S-400)	161	TA08025-B605 (15.75x14.96x9.05)	107
SL4	160	TA08025-B605 (15.75x14.96x9.05)	107
458-2 (159.4x2.8x2.8)	159.9	SL7	100
Side Arm (Commscope S-400)	159.9	SL9	80
876F-70-2HSMP40DF1/2	152	SL9	60
Side Arm (Site Pro 1 USF-4U)	152	SL10	40
SL5	140	SL11	20
220-3AN (248x2.75x2.75)	130		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L1 3/4x1 3/4x3/16		

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

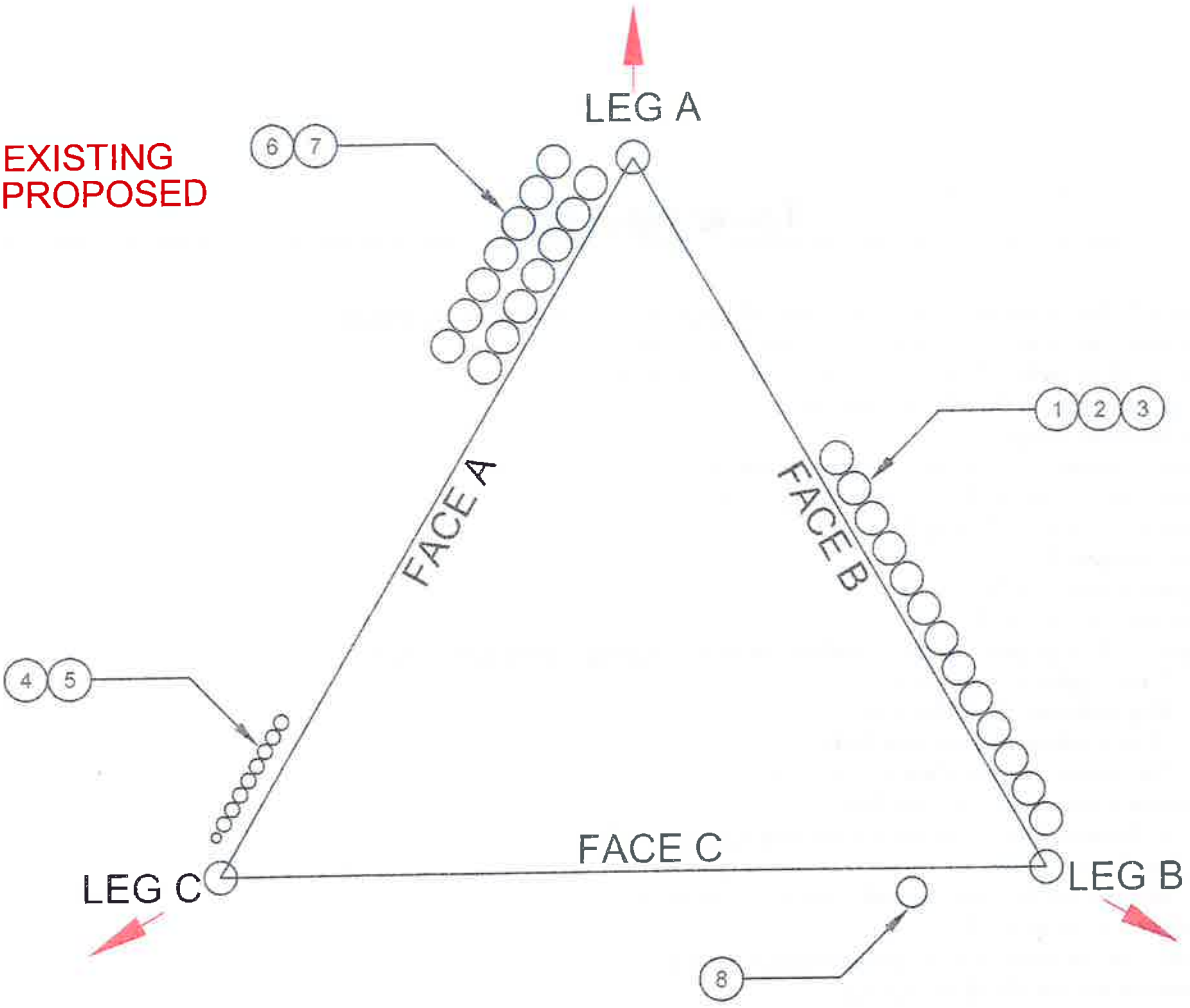
1. Tower is located in Windham County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 121 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 5 with Crest Height of 295.00 ft
8. TOWER RATING: 79%

SBA
SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487
Phone: 214.570.8110 ext 2612
FAX:

Job:	
Project:	CT06462-VZW-081023
Client:	Drawn by: Asmerom
Code: TIA-222-H	Date: 08/14/23
Path:	

COAX LAYOUT

○ EXISTING
● PROPOSED



CT06462-A					
#	CARRIER	SIZE	QTY.	ELEVATION	NOTES
1	Verizon	1-5/8"	3	185	
2		1-5/8"	8	120	
3		1-5/8"	2	120	Hybrid
4	CLP	7/8"	8	130-164	
5		1/2"	1		
6	T-Mobile / Verizon	1-5/8"	12	169	
7		1-5/8"	2		Hybrid
8	Dish Wireless	1.60"	1	107	Hybrid

tnxTower	Job	Page
		1 of 27
SBA Communications Corporation 8051 Congress Avenue Boca Raton, FL 33487 Phone: 214.570.8110 ext 2612 FAX:	Project CT06462-VZW-081023	Date 14:26:30 08/14/23
	Client	Designed by Asmerom

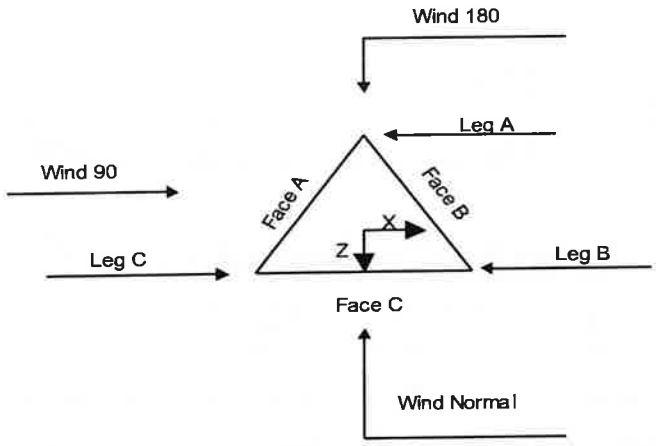
Tower Input Data

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 6.60 ft at the top and 23.00 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: 522.16 ft.
Basic wind speed of 121 mph.
Risk Category II.
Exposure Category B.
Crest Height: 295.00 ft.
Rigorous Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Feature: Hill.
Slope Distance L: 1858.00 ft.
Distance from Crest x: 621.00 ft.
Horizontal Distance Downwind: Yes.
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	196.00-188.00			6.60	1	8.00
T2	188.00-168.00			6.60	1	20.00
T3	168.00-160.00			6.60	1	8.00
T4	160.00-140.00			6.69	1	20.00
T5	140.00-120.00			8.76	1	20.00
T6	120.00-100.00			10.83	1	20.00
T7	100.00-80.00			12.92	1	20.00
T8	80.00-60.00			14.85	1	20.00
T9	60.00-40.00			16.99	1	20.00
T10	40.00-20.00			19.00	1	20.00
T11	20.00-0.00			21.00	1	20.00

Tower Section Geometry *(cont'd)*

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
T1	196.00-188.00	4.00	X Brace	No	No	0.0000	0.0000
T2	188.00-168.00	4.00	X Brace	No	No	0.0000	0.0000
T3	168.00-160.00	4.00	X Brace	No	No	0.0000	0.0000
T4	160.00-140.00	5.00	X Brace	No	No	0.0000	0.0000
T5	140.00-120.00	6.67	X Brace	No	No	0.0000	0.0000
T6	120.00-100.00	6.67	X Brace	No	No	0.0000	0.0000
T7	100.00-80.00	6.67	X Brace	No	No	0.0000	0.0000
T8	80.00-60.00	10.00	X Brace	No	No	0.0000	0.0000
T9	60.00-40.00	10.00	X Brace	No	No	0.0000	0.0000
T10	40.00-20.00	10.00	X Brace	No	No	0.0000	0.0000
T11	20.00-0.00	10.00	X Brace	No	No	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 196.00-188.00	Pipe	ROHN 3 STD	A572-50 (50 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36 (36 ksi)
T2 188.00-168.00	Pipe	ROHN 3 STD	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T3 168.00-160.00	Pipe	ROHN 3 STD	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T4 160.00-140.00	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T5 140.00-120.00	Pipe	ROHN 4 EH	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T6 120.00-100.00	Pipe	ROHN 5 EH	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T7 100.00-80.00	Pipe	ROHN 6 EHS	A572-50 (50 ksi)	Equal Angle	L3x3x1/4	A36 (36 ksi)
T8 80.00-60.00	Pipe	ROHN 6 EH	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A36 (36 ksi)
T9 60.00-40.00	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A36 (36 ksi)
T10 40.00-20.00	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A36 (36 ksi)
T11 20.00-0.00	Pipe	ROHN 8 EH	A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 196.00-188.00	Equal Angle	L1 3/4x1 3/4x3/16	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T4 160.00-140.00	Equal Angle	L1 3/4x1 3/4x3/16	A36	Solid Round		A36

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
			(36 ksi)			(36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Gusset Area (per face) ft²	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T1 196.00-188.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T2 188.00-168.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T3 168.00-160.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T4 160.00-140.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T5 140.00-120.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T6 120.00-100.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T7 100.00-80.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T8 80.00-60.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T9 60.00-40.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T10 40.00-20.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T11 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 ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T1 196.00-188.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T2 188.00-168.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T3 168.00-160.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T4 160.00-140.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X	X Brace Diags Y	K Single Diags X	K Single Diags Y	Girts X	Girts Y	Horiz. X	Horiz. Y	Sec. Horiz. X	Sec. Horiz. Y	Inner Brace X	Inner Brace Y
T5 140.00-120.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T6 120.00-100.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T7 100.00-80.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T8 80.00-60.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T9 60.00-40.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T10 40.00-20.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T11 20.00-0.00	Yes	Yes	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 Net Width Deduct in	Leg U	Diagonal Net Width Deduct in	Diagonal U	Top Girt Net Width Deduct in	Top Girt U	Bottom Girt Net Width Deduct in	Bottom Girt U	Mid Girt Net Width Deduct in	Mid Girt U	Long Horizontal Net Width Deduct in	Long Horizontal U	Short Horizontal Net Width Deduct in	Short Horizontal U
T1 196.00-188.00	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 188.00-168.00	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 168.00-160.00	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
T4 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
T5 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
T6 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
T7 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
T8 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
T9 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
T10 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
T11 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 196.00-188.00	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 188.00-168.00	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 168.00-160.00	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
T4 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
T5 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
T6 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
T7 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
T8 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
T9 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
T10 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
T11 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 196.00-188.00	Flange	0.7500 A325N	4	0.6250 A325N	1	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T2 188.00-168.00	Flange	0.8750 A325N	4	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T3 168.00-160.00	Flange	0.8750 A325N	4	0.6250 A325N	1	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T4 160.00-140.00	Flange	0.8750 A325N	4	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T5 140.00-120.00	Flange	1.0000 A325N	4	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T6 120.00-100.00	Flange	1.0000 A325N	6	0.7500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T7 100.00-80.00	Flange	1.0000 A325N	6	0.7500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T8 80.00-60.00	Flange	1.0000 A325N	8	0.7500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T9 60.00-40.00	Flange	1.0000 A325N	8	0.7500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T10 40.00-20.00	Flange	1.0000 A325N	8	0.7500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0

Tower Elevation ft	Leg Connection Type	Leg Bolt Size in	Leg No.	Diagonal Bolt Size in	Diagonal No.	Top Girt Bolt Size in	Top Girt No.	Bottom Girt Bolt Size in	Bottom Girt No.	Mid Girt Bolt Size in	Mid Girt No.	Long Horizontal Bolt Size in	Long Horizontal No.	Short Horizontal Bolt Size in	Short Horizontal No.
T11 20.00-0.00	Flange	1.0000 A354-BC	0	0.7500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	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	B	No	No	Ar (CaAa)	196.00 - 0.00	0.0000	0.5	1	1	0.5000	0.3750		0.22
***													
Feedline Ladder (Af)	A	No	No	Af (CaAa)	169.00 - 0.00	0.0000	0.35	1	1	0.5000	2.5000		8.40
LDF7-50A(1-5/8")	A	No	No	Ar (CaAa)	169.00 - 0.00	0.0000	0.35	12	6	0.5000	1.9800		0.82
1-5/8" Hybrid	A	No	No	Ar (CaAa)	169.00 - 0.00	0.0000	0.39	2	1	0.5000	1.9800		2.72
***													
Feedline Ladder (Af)	B	No	No	Af (CaAa)	185.00 - 0.00	0.0000	0.35	1	1	0.5000	2.5000		8.40
LDF7-50A(1-5/8")	B	No	No	Ar (CaAa)	185.00 - 0.00	0.0000	0.28	3	3	0.5000	1.9800		0.82
LDF7-50A(1-5/8")	B	No	No	Ar (CaAa)	120.00 - 0.00	0.0000	0.35	8	8	0.5000	1.9800		0.82
1-5/8" Hybrid	B	No	No	Ar (CaAa)	120.00 - 0.00	0.0000	0.3	2	2	0.5000	1.9800		2.72
***													
Feedline Ladder (Af)	A	No	No	Af (CaAa)	164.00 - 0.00	0.0000	-0.4	1	1	0.5000	2.5000		8.40
LDF4-50A (1/2 FOAM)	A	No	No	Ar (CaAa)	164.00 - 0.00	0.0000	-0.43	1	1	0.5000	0.6300		0.15
LDF5-50A(7/8")	A	No	No	Ar (CaAa)	164.00 - 161.00	0.0000	-0.4	2	2	0.5000	1.0900		0.33
LDF5-50A(7/8")	A	No	No	Ar (CaAa)	161.00 - 159.90	0.0000	-0.4	3	3	0.5000	1.0900		0.33
LDF5-50A(7/8")	A	No	No	Ar (CaAa)	159.90 - 152.00	0.0000	-0.4	4	4	0.5000	1.0900		0.33
LDF5-50A(7/8")	A	No	No	Ar (CaAa)	152.00 - 130.00	0.0000	-0.4	5	5	0.5000	1.0900		0.33
LDF5-50A(7/8")	A	No	No	Ar (CaAa)	130.00 - 0.00	0.0000	-0.4	8	8	0.5000	1.0900		0.33
***													
Feedline Ladder (Af)	C	No	No	Af (CaAa)	107.00 - 0.00	0.0000	-0.4	1	1	0.5000	2.5000		8.40
1.60" Hybrid	C	No	No	Ar (CaAa)	107.00 - 0.00	0.0000	-0.4	1	1	0.5000	1.6000		0.66
***													

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	196.00-188.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.300	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T2	188.00-168.00	A	0.000	0.000	3.189	0.000	0.02
		B	0.000	0.000	17.931	0.000	0.19
		C	0.000	0.000	0.000	0.000	0.00
T3	168.00-160.00	A	0.000	0.000	28.409	0.000	0.23
		B	0.000	0.000	8.385	0.000	0.09
		C	0.000	0.000	0.000	0.000	0.00
T4	160.00-140.00	A	0.000	0.000	83.384	0.000	0.67
		B	0.000	0.000	20.963	0.000	0.22
		C	0.000	0.000	0.000	0.000	0.00
T5	140.00-120.00	A	0.000	0.000	87.537	0.000	0.69
		B	0.000	0.000	20.963	0.000	0.22
		C	0.000	0.000	0.000	0.000	0.00
T6	120.00-100.00	A	0.000	0.000	90.807	0.000	0.70
		B	0.000	0.000	60.563	0.000	0.46
		C	0.000	0.000	4.037	0.000	0.06
T7	100.00-80.00	A	0.000	0.000	90.807	0.000	0.70
		B	0.000	0.000	60.563	0.000	0.46
		C	0.000	0.000	11.533	0.000	0.18
T8	80.00-60.00	A	0.000	0.000	90.807	0.000	0.70
		B	0.000	0.000	60.563	0.000	0.46
		C	0.000	0.000	11.533	0.000	0.18
T9	60.00-40.00	A	0.000	0.000	90.807	0.000	0.70
		B	0.000	0.000	60.563	0.000	0.46
		C	0.000	0.000	11.533	0.000	0.18
T10	40.00-20.00	A	0.000	0.000	90.807	0.000	0.70
		B	0.000	0.000	60.563	0.000	0.46
		C	0.000	0.000	11.533	0.000	0.18
T11	20.00-0.00	A	0.000	0.000	90.807	0.000	0.70
		B	0.000	0.000	60.563	0.000	0.46
		C	0.000	0.000	11.533	0.000	0.18

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
T1	196.00-188.00	A	1.254	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	2.306	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.00
T2	188.00-168.00	A	1.248	0.000	0.000	3.982	0.000	0.07
		B		0.000	0.000	39.260	0.000	0.51
		C		0.000	0.000	0.000	0.000	0.00
T3	168.00-160.00	A	1.242	0.000	0.000	39.026	0.000	0.63
		B		0.000	0.000	18.033	0.000	0.24
		C		0.000	0.000	0.000	0.000	0.00
T4	160.00-140.00	A	1.235	0.000	0.000	123.725	0.000	1.91
		B		0.000	0.000	44.982	0.000	0.59
		C		0.000	0.000	0.000	0.000	0.00
T5	140.00-120.00	A	1.223	0.000	0.000	130.585	0.000	1.98
		B		0.000	0.000	44.816	0.000	0.58
		C		0.000	0.000	0.000	0.000	0.00
T6	120.00-100.00	A	1.210	0.000	0.000	135.879	0.000	2.03
		B		0.000	0.000	120.532	0.000	1.50
		C		0.000	0.000	7.424	0.000	0.13
T7	100.00-80.00	A	1.193	0.000	0.000	135.346	0.000	2.01
		B		0.000	0.000	120.067	0.000	1.48
		C		0.000	0.000	21.076	0.000	0.36
T8	80.00-60.00	A	1.171	0.000	0.000	134.652	0.000	1.99
		B		0.000	0.000	119.461	0.000	1.46
		C		0.000	0.000	20.899	0.000	0.35
T9	60.00-40.00	A	1.140	0.000	0.000	133.684	0.000	1.95
		B		0.000	0.000	118.616	0.000	1.43
		C		0.000	0.000	20.653	0.000	0.34
T10	40.00-20.00	A	1.091	0.000	0.000	132.158	0.000	1.90
		B		0.000	0.000	117.284	0.000	1.39
		C		0.000	0.000	20.264	0.000	0.33
T11	20.00-0.00	A	0.986	0.000	0.000	128.848	0.000	1.79
		B		0.000	0.000	114.397	0.000	1.30
		C		0.000	0.000	19.419	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	196.00-188.00	0.3388	0.2153	1.6601	1.0012
T2	188.00-168.00	3.1044	0.7117	5.4976	1.7283
T3	168.00-160.00	0.1898	-9.0295	0.8323	-6.7613
T4	160.00-140.00	-1.5921	-8.1959	-1.7192	-5.3546
T5	140.00-120.00	-2.4104	-8.7170	-2.3656	-5.7527
T6	120.00-100.00	5.2370	-3.6116	5.3913	-0.9514
T7	100.00-80.00	6.9300	-3.2628	7.7876	0.1302
T8	80.00-60.00	7.9844	-3.7065	8.9967	0.1619
T9	60.00-40.00	8.3982	-3.9057	9.4303	0.1656
T10	40.00-20.00	8.4371	-3.9831	9.6977	0.1376
T11	20.00-0.00	8.8760	-4.2036	10.0998	0.0231

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	2	Safety Line 3/8	188.00 - 196.00	0.6000	0.6000
T2	2	Safety Line 3/8	168.00 - 188.00	0.6000	0.6000
T2	4	Feedline Ladder (Af)	168.00 - 169.00	0.6000	0.6000
T2	5	LDF7-50A(1-5/8")	168.00 - 169.00	0.6000	0.6000
T2	6	1-5/8" Hybrid	168.00 - 169.00	0.6000	0.6000
T2	8	Feedline Ladder (Af)	168.00 - 185.00	0.6000	0.6000
T2	9	LDF7-50A(1-5/8")	168.00 - 185.00	0.6000	0.6000
T3	2	Safety Line 3/8	160.00 - 168.00	0.6000	0.6000
T3	4	Feedline Ladder (Af)	160.00 - 168.00	0.6000	0.6000
T3	5	LDF7-50A(1-5/8")	160.00 - 168.00	0.6000	0.6000
T3	6	1-5/8" Hybrid	160.00 - 168.00	0.6000	0.6000
T3	8	Feedline Ladder (Af)	160.00 - 168.00	0.6000	0.6000
T3	9	LDF7-50A(1-5/8")	160.00 - 168.00	0.6000	0.6000
T3	13	Feedline Ladder (Af)	160.00 - 164.00	0.6000	0.6000
T3	14	LDF4-50A (1/2 FOAM)	160.00 - 164.00	0.6000	0.6000
T3	15	LDF5-50A(7/8")	161.00 - 164.00	0.6000	0.6000
T3	16	LDF5-50A(7/8")	160.00 - 161.00	0.6000	0.6000
T4	2	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T4	4	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T4	5	LDF7-50A(1-5/8")	140.00 - 160.00	0.6000	0.6000
T4	6	1-5/8" Hybrid	140.00 - 160.00	0.6000	0.6000
T4	8	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T4	9	LDF7-50A(1-5/8")	140.00 - 160.00	0.6000	0.6000
T4	13	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T4	14	LDF4-50A (1/2 FOAM)	140.00 - 160.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T4	16	LDF5-50A(7/8")	159.90 - 160.00	0.6000	0.6000
T4	17	LDF5-50A(7/8")	152.00 - 159.90	0.6000	0.6000
T4	18	LDF5-50A(7/8")	140.00 - 152.00	0.6000	0.6000
T5	2	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T5	4	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T5	5	LDF7-50A(1-5/8")	120.00 - 140.00	0.6000	0.6000
T5	6	1-5/8" Hybrid	120.00 - 140.00	0.6000	0.6000
T5	8	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T5	9	LDF7-50A(1-5/8")	120.00 - 140.00	0.6000	0.6000
T5	13	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T5	14	LDF4-50A (1/2 FOAM)	120.00 - 140.00	0.6000	0.6000
T5	18	LDF5-50A(7/8")	130.00 - 140.00	0.6000	0.6000
T5	19	LDF5-50A(7/8")	120.00 - 130.00	0.6000	0.6000
T6	2	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000
T6	4	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	5	LDF7-50A(1-5/8")	100.00 - 120.00	0.6000	0.6000
T6	6	1-5/8" Hybrid	100.00 - 120.00	0.6000	0.6000
T6	8	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	9	LDF7-50A(1-5/8")	100.00 - 120.00	0.6000	0.6000
T6	10	LDF7-50A(1-5/8")	100.00 - 120.00	0.6000	0.6000
T6	11	1-5/8" Hybrid	100.00 - 120.00	0.6000	0.6000
T6	13	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	14	LDF4-50A (1/2 FOAM)	100.00 - 120.00	0.6000	0.6000
T6	19	LDF5-50A(7/8")	100.00 - 120.00	0.6000	0.6000
T6	21	Feedline Ladder (Af)	100.00 - 107.00	0.6000	0.6000
T6	22	1.60" Hybrid	100.00 - 107.00	0.6000	0.6000
T7	2	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T7	4	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	5	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.6000
T7	6	1-5/8" Hybrid	80.00 - 100.00	0.6000	0.6000
T7	8	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	9	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T7	10	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.6000
T7	11	1-5/8" Hybrid	80.00 - 100.00	0.6000	0.6000
T7	13	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	14	LDF4-50A (1/2 FOAM)	80.00 - 100.00	0.6000	0.6000
T7	19	LDF5-50A(7/8")	80.00 - 100.00	0.6000	0.6000
T7	21	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	22	1.60" Hybrid	80.00 - 100.00	0.6000	0.6000
T8	2	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T8	4	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T8	5	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.6000
T8	6	1-5/8" Hybrid	60.00 - 80.00	0.6000	0.6000
T8	8	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T8	9	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.6000
T8	10	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.6000
T8	11	1-5/8" Hybrid	60.00 - 80.00	0.6000	0.6000
T8	13	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T8	14	LDF4-50A (1/2 FOAM)	60.00 - 80.00	0.6000	0.6000
T8	19	LDF5-50A(7/8")	60.00 - 80.00	0.6000	0.6000
T8	21	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T8	22	1.60" Hybrid	60.00 - 80.00	0.6000	0.6000
T9	2	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T9	4	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T9	5	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.6000
T9	6	1-5/8" Hybrid	40.00 - 60.00	0.6000	0.6000
T9	8	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T9	9	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.6000
T9	10	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.6000
T9	11	1-5/8" Hybrid	40.00 - 60.00	0.6000	0.6000
T9	13	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T9	14	LDF4-50A (1/2 FOAM)	40.00 - 60.00	0.6000	0.6000
T9	19	LDF5-50A(7/8")	40.00 - 60.00	0.6000	0.6000
T9	21	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T9	22	1.60" Hybrid	40.00 - 60.00	0.6000	0.6000
T10	2	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T10	4	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T10	5	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.6000
T10	6	1-5/8" Hybrid	20.00 - 40.00	0.6000	0.6000
T10	8	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T10	9	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.6000
T10	10	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.6000
T10	11	1-5/8" Hybrid	20.00 - 40.00	0.6000	0.6000
T10	13	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T10	14	LDF4-50A (1/2 FOAM)	20.00 - 40.00	0.6000	0.6000
T10	19	LDF5-50A(7/8")	20.00 - 40.00	0.6000	0.6000
T10	21	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T10	22	1.60" Hybrid	20.00 - 40.00	0.6000	0.6000
T11	2	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T11	4	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T11	5	LDF7-50A(1-5/8")	0.00 - 20.00	0.6000	0.6000
T11	6	1-5/8" Hybrid	0.00 - 20.00	0.6000	0.6000
T11	8	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T11	9	LDF7-50A(1-5/8")	0.00 - 20.00	0.6000	0.6000
T11	10	LDF7-50A(1-5/8")	0.00 - 20.00	0.6000	0.6000
T11	11	1-5/8" Hybrid	0.00 - 20.00	0.6000	0.6000
T11	13	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T11	14	LDF4-50A (1/2 FOAM)	0.00 - 20.00	0.6000	0.6000
T11	19	LDF5-50A(7/8")	0.00 - 20.00	0.6000	0.6000
T11	21	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T11	22	1.60" Hybrid	0.00 - 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	0.02	0.00	0.00	0.05
SL2	188.00	0.00	0.0000	0.07	0.00	0.00	0.17
SL3	168.00	0.00	0.0000	0.49	0.00	0.00	1.34
SL4	160.00	0.00	0.0000	0.09	0.00	0.00	0.19
SL5	140.00	0.00	0.0000	0.11	0.00	0.00	0.22
SL6	120.00	0.00	0.0000	0.31	0.00	0.00	0.56
SL7	100.00	0.00	0.0000	0.17	0.00	0.00	0.24
SL8	80.00	0.00	0.0000	0.18	0.00	0.00	0.20
SL9	60.00	0.00	0.0000	0.20	0.00	0.00	0.16
SL10	40.00	0.00	0.0000	0.22	0.00	0.00	0.11
SL11	20.00	0.00	0.0000	0.25	0.00	0.00	0.06

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral / Vert	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
			ft / ft / ft	°	ft		ft^2	ft^2	K
***									
Lightning Rod	C	From Leg	0.00 / 0.00 / 10.00	0.0000	196.00	No Ice	0.25	0.25	0.03
						1/2" Ice	0.66	0.66	0.03
						1" Ice	0.97	0.97	0.04
Pipe Mount	C	From Leg	0.00 / 0.00 / 5.00	0.0000	196.00	No Ice	2.49	2.49	0.04
						1/2" Ice	3.54	3.54	0.06
						1" Ice	4.59	4.59	0.08
***									
BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	A	From Leg	1.00 / 0.00 / 0.00	0.0000	185.00	No Ice	5.75	4.74	0.04
						1/2" Ice	6.48	5.88	0.10
						1" Ice	7.15	6.87	0.15
BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	B	From Leg	1.00 / 0.00 / 0.00	0.0000	185.00	No Ice	5.75	4.74	0.04
						1/2" Ice	6.48	5.88	0.10
						1" Ice	7.15	6.87	0.15
BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	C	From Leg	1.00 / 0.00 / 0.00	0.0000	185.00	No Ice	5.75	4.74	0.04
						1/2" Ice	6.48	5.88	0.10
						1" Ice	7.15	6.87	0.15

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) FD9R6004/2C-3L (5.8x6.5x1.5)	A	From Leg	1.00	0.00	0.00	0.0000	185.00	No Ice	0.31	0.08	0.00
								1/2" Ice	0.39	0.12	0.01
								1" Ice	0.47	0.17	0.01
(2) FD9R6004/2C-3L (5.8x6.5x1.5)	B	From Leg	1.00	0.00	0.00	0.0000	185.00	No Ice	0.31	0.08	0.00
								1/2" Ice	0.39	0.12	0.01
								1" Ice	0.47	0.17	0.01
(2) FD9R6004/2C-3L (5.8x6.5x1.5)	C	From Leg	1.00	0.00	0.00	0.0000	185.00	No Ice	0.31	0.08	0.00
								1/2" Ice	0.39	0.12	0.01
								1" Ice	0.47	0.17	0.01
*											
(2) SBNHH-1D65B w/mount pipe (72x11.85x7.1)	A	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	8.53	7.24	0.08
								1/2" Ice	9.19	8.52	0.15
								1" Ice	9.82	9.66	0.23
SBNHH-1D65B w/mount pipe (72x11.85x7.1)	B	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	8.53	7.24	0.08
								1/2" Ice	9.19	8.52	0.15
								1" Ice	9.82	9.66	0.23
SBNHH-1D65B w/mount pipe (72x11.85x7.1)	C	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	8.53	7.24	0.08
								1/2" Ice	9.19	8.52	0.15
								1" Ice	9.82	9.66	0.23
SBNHH-1D45B w/mount pipe (76.8x22.3x12.2)	B	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	15.15	10.81	0.13
								1/2" Ice	15.85	12.12	0.24
								1" Ice	16.53	13.28	0.37
SBNHH-1D45B w/mount pipe (76.8x22.3x12.2)	C	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	15.15	10.81	0.13
								1/2" Ice	15.85	12.12	0.24
								1" Ice	16.53	13.28	0.37
MT6407-77A w/mount pipe (35.12x16.06x5.51)	A	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	5.91	3.74	0.12
								1/2" Ice	6.72	4.79	0.17
								1" Ice	7.44	5.70	0.22
MT6407-77A w/mount pipe (35.12x16.06x5.51)	B	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	5.91	3.74	0.12
								1/2" Ice	6.72	4.79	0.17
								1" Ice	7.44	5.70	0.22
MT6407-77A w/mount pipe (35.12x16.06x5.51)	C	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	5.91	3.74	0.12
								1/2" Ice	6.72	4.79	0.17
								1" Ice	7.44	5.70	0.22
B2/B66A RRH-BR049 (RFV01U-D1A) (15x15x10)	A	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	1.88	1.25	0.08
								1/2" Ice	2.05	1.39	0.10
								1" Ice	2.22	1.54	0.12
B2/B66A RRH-BR049 (RFV01U-D1A) (15x15x10)	B	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	1.88	1.25	0.08
								1/2" Ice	2.05	1.39	0.10
								1" Ice	2.22	1.54	0.12
B2/B66A RRH-BR049 (RFV01U-D1A) (15x15x10)	C	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	1.88	1.25	0.08
								1/2" Ice	2.05	1.39	0.10
								1" Ice	2.22	1.54	0.12
B5/B13 RRH-BR04C (RFV01U-D2A) (15x15x8.1)	A	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	1.88	1.01	0.07
								1/2" Ice	2.05	1.14	0.09
								1" Ice	2.22	1.28	0.11
B5/B13 RRH-BR04C (RFV01U-D2A) (15x15x8.1)	B	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	1.88	1.01	0.07
								1/2" Ice	2.05	1.14	0.09
								1" Ice	2.22	1.28	0.11
B5/B13 RRH-BR04C (RFV01U-D2A) (15x15x8.1)	C	From Leg	3.00	0.00	0.00	0.0000	120.00	No Ice	1.88	1.01	0.07
								1/2" Ice	2.05	1.14	0.09
								1" Ice	2.22	1.28	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft²	C_AA_A Side ft²	Weight K
DB-T1-6Z-8AB-0Z (24x24x10)	B	From Leg	3.00	0.0000	120.00	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-T1-6Z-8AB-0Z (24x24x10)	C	From Leg	3.00	0.0000	120.00	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
(2) KA-6030 (10.6x10.9x3.15)	A	From Leg	3.00	0.0000	120.00	No Ice	0.96	0.29	0.02
			0.00			1/2" Ice	1.09	0.36	0.02
			0.00			1" Ice	1.22	0.45	0.03
(2) KA-6030 (10.6x10.9x3.15)	B	From Leg	3.00	0.0000	120.00	No Ice	0.96	0.29	0.02
			0.00			1/2" Ice	1.09	0.36	0.02
			0.00			1" Ice	1.22	0.45	0.03
(2) KA-6030 (10.6x10.9x3.15)	C	From Leg	3.00	0.0000	120.00	No Ice	0.96	0.29	0.02
			0.00			1/2" Ice	1.09	0.36	0.02
			0.00			1" Ice	1.22	0.45	0.03
(2) Empty Pipe Mount	A	From Leg	3.00	0.0000	120.00	No Ice	1.90	1.90	0.03
			0.00			1/2" Ice	2.70	2.70	0.04
			0.00			1" Ice	3.30	3.30	0.06
(2) Empty Pipe Mount	B	From Leg	3.00	0.0000	120.00	No Ice	1.90	1.90	0.03
			0.00			1/2" Ice	2.70	2.70	0.04
			0.00			1" Ice	3.30	3.30	0.06
(2) Empty Pipe Mount	C	From Leg	3.00	0.0000	120.00	No Ice	1.90	1.90	0.03
			0.00			1/2" Ice	2.70	2.70	0.04
			0.00			1" Ice	3.30	3.30	0.06
Sector Mount (SM 309)	A	From Leg	1.50	0.0000	120.00	No Ice	13.18	8.04	0.16
			0.00			1/2" Ice	18.53	11.44	0.32
			0.00			1" Ice	23.88	14.84	0.48
Sector Mount (SM 309)	B	From Leg	1.50	0.0000	120.00	No Ice	13.18	8.04	0.16
			0.00			1/2" Ice	18.53	11.44	0.32
			0.00			1" Ice	23.88	14.84	0.48
Sector Mount (SM 309)	C	From Leg	1.50	0.0000	120.00	No Ice	13.18	8.04	0.16
			0.00			1/2" Ice	18.53	11.44	0.32
			0.00			1" Ice	23.88	14.84	0.48
***									
AIR 21 B2A/B4P w/mount pipe (56x12x8)	A	From Leg	3.00	0.0000	169.00	No Ice	6.84	6.26	0.11
			0.00			1/2" Ice	7.56	7.43	0.18
			0.00			1" Ice	8.21	8.46	0.25
AIR 21 B2A/B4P w/mount pipe (56x12x8)	B	From Leg	3.00	0.0000	169.00	No Ice	6.84	6.26	0.11
			0.00			1/2" Ice	7.56	7.43	0.18
			0.00			1" Ice	8.21	8.46	0.25
AIR 21 B2A/B4P w/mount pipe (56x12x8)	C	From Leg	3.00	0.0000	169.00	No Ice	6.84	6.26	0.11
			0.00			1/2" Ice	7.56	7.43	0.18
			0.00			1" Ice	8.21	8.46	0.25
AIR 21 B2A/B4P w/mount pipe (56x12x8)	A	From Leg	3.00	0.0000	169.00	No Ice	6.84	6.26	0.11
			0.00			1/2" Ice	7.56	7.43	0.18
			0.00			1" Ice	8.21	8.46	0.25
AIR 21 B2A/B4P w/mount pipe (56x12x8)	B	From Leg	3.00	0.0000	169.00	No Ice	6.84	6.26	0.11
			0.00			1/2" Ice	7.56	7.43	0.18
			0.00			1" Ice	8.21	8.46	0.25
AIR 21 B2A/B4P w/mount pipe (56x12x8)	C	From Leg	3.00	0.0000	169.00	No Ice	6.84	6.26	0.11
			0.00			1/2" Ice	7.56	7.43	0.18
			0.00			1" Ice	8.21	8.46	0.25

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
LNX-6515DS-VTM w/mount pipe (96.4x11.9x7.1)	A	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	11.45 12.06 12.69	9.60 11.02 12.29	0.08 0.17 0.26
LNX-6515DS-VTM w/mount pipe (96.4x11.9x7.1)	B	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	11.45 12.06 12.69	9.60 11.02 12.29	0.08 0.17 0.26
LNX-6515DS-VTM w/mount pipe (96.4x11.9x7.1)	C	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	11.45 12.06 12.69	9.60 11.02 12.29	0.08 0.17 0.26
AIR32 B2a/B66Aa w/mount pipe (56.6x12.9x8.7)	A	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	7.29 8.01 8.67	6.61 7.80 8.83	0.16 0.23 0.30
AIR32 B2a/B66Aa w/mount pipe (56.6x12.9x8.7)	B	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	7.29 8.01 8.67	6.61 7.80 8.83	0.16 0.23 0.30
AIR32 B2a/B66Aa w/mount pipe (56.6x12.9x8.7)	C	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	7.29 8.01 8.67	6.61 7.80 8.83	0.16 0.23 0.30
KRY 112 144/1 (6.93x6.1x2.8)	A	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.16 0.22 0.28	0.01 0.01 0.02
KRY 112 144/1 (6.93x6.1x2.8)	B	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.16 0.22 0.28	0.01 0.01 0.02
KRY 112 144/1 (6.93x6.1x2.8)	C	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.16 0.22 0.28	0.01 0.01 0.02
RRUS11 B12	A	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	3.60 3.84 4.08	1.81 1.99 2.18	0.04 0.07 0.10
RRUS11 B12	B	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	3.60 3.84 4.08	1.81 1.99 2.18	0.04 0.07 0.10
RRUS11 B12	C	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	3.60 3.84 4.08	1.81 1.99 2.18	0.04 0.07 0.10
RRU (20x17x7)	A	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.09
RRU (20x17x7)	B	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.09
RRU (20x17x7)	C	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.09
TMA (12.5x5.6x3.7)	A	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	0.58 0.69 0.80	0.40 0.49 0.59	0.01 0.02 0.03
TMA (12.5x5.6x3.7)	B	From Leg	3.00 0.00 0.00	0.0000	169.00	No Ice 1/2" Ice 1" Ice	0.58 0.69 0.80	0.40 0.49 0.59	0.01 0.02 0.03
TMA (12.5x5.6x3.7)	C	From Leg	3.00 0.00	0.0000	169.00	No Ice 1/2" Ice	0.58 0.69	0.40 0.49	0.01 0.02

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
			0.00			1" Ice	0.80	0.59	0.03
Sector Mount (SM 309)	A	From Leg	1.50	0.0000	169.00	No Ice	13.18	8.04	0.16
			0.00			1/2" Ice	18.53	11.44	0.32
			0.00			1" Ice	23.88	14.84	0.48
Sector Mount (SM 309)	B	From Leg	1.50	0.0000	169.00	No Ice	13.18	8.04	0.16
			0.00			1/2" Ice	18.53	11.44	0.32
			0.00			1" Ice	23.88	14.84	0.48
Sector Mount (SM 309)	C	From Leg	1.50	0.0000	169.00	No Ice	13.18	8.04	0.16
			0.00			1/2" Ice	18.53	11.44	0.32
			0.00			1" Ice	23.88	14.84	0.48
***									
DB586-Y (52.56x2.5x2.5)	C	From Leg	2.00	0.0000	164.00	No Ice	1.01	1.01	8.25
			0.00			1/2" Ice	1.28	1.28	8.26
			3.00			1" Ice	1.56	1.56	8.27
LGP104 (7x1.2x4)	C	From Leg	2.00	0.0000	164.00	No Ice	0.08	0.23	0.01
			0.00			1/2" Ice	0.13	0.30	0.01
			3.00			1" Ice	0.18	0.37	0.01
Side Arm (Commscope S-200)	C	From Leg	1.00	0.0000	164.00	No Ice	0.46	0.91	0.02
			0.00			1/2" Ice	0.65	1.30	0.03
			0.00			1" Ice	0.84	1.69	0.04
*									
BA1312-0 (104x2x2)	A	From Leg	4.00	0.0000	161.00	No Ice	1.73	1.73	0.00
			0.00			1/2" Ice	2.63	2.63	0.02
			4.00			1" Ice	3.53	3.53	0.04
Side Arm (Commscope S-400)	A	From Leg	2.00	0.0000	161.00	No Ice	0.81	3.31	0.06
			0.00			1/2" Ice	1.30	5.00	0.08
			0.00			1" Ice	1.79	6.69	0.11
*									
458-2 (159.6x2.8x2.8)	A	From Leg	4.00	0.0000	159.90	No Ice	3.72	3.72	0.02
			0.00			1/2" Ice	5.09	5.09	0.05
			6.60			1" Ice	6.46	6.46	0.08
Side Arm (Commscope S-400)	A	From Leg	2.00	0.0000	159.90	No Ice	0.81	3.31	0.06
			0.00			1/2" Ice	1.30	5.00	0.08
			0.00			1" Ice	1.79	6.69	0.11
*									
876F-70-2HSMP40DF1/2	B	From Leg	4.00	0.0000	152.00	No Ice	7.50	7.50	0.13
			0.00			1/2" Ice	10.13	10.13	0.18
			11.60			1" Ice	12.75	12.75	0.22
Side Arm (Site Pro 1 USF-4U)	B	From Leg	2.00	0.0000	152.00	No Ice	1.78	3.79	0.13
			0.00			1/2" Ice	2.24	4.47	0.15
			0.00			1" Ice	2.70	5.15	0.18
*									
220-3AN (248x2.75x2.75)	C	From Leg	6.00	0.0000	130.00	No Ice	5.68	5.68	0.02
			0.00			1/2" Ice	7.78	7.78	0.07
			10.40			1" Ice	9.90	9.90	0.12
Side Arm (Commscope S-600)	C	From Leg	3.00	0.0000	130.00	No Ice	1.08	5.31	0.12
			0.00			1/2" Ice	1.63	7.57	0.16
			0.00			1" Ice	2.18	9.83	0.20
*									
220-7N (228x2.8x2.8)	A	From Leg	6.00	0.0000	130.00	No Ice	5.32	5.32	0.02
			0.00			1/2" Ice	7.25	7.25	0.06
			9.50			1" Ice	9.20	9.20	0.11

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
Side Arm (Commscope S-600)	A	From Leg	3.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	1.08 1.63 2.18	5.31 7.57 9.83	0.12 0.16 0.20
*									
CO-36A (144x0.63x0.63)	B	From Leg	4.00 0.00 7.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.76 1.97 3.20	0.76 1.97 3.20	0.01 0.02 0.04
Side Arm (Wireless Solutions WS-400)	B	From Leg	2.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.81 1.30 1.79	3.31 5.00 6.69	0.06 0.08 0.11
***									
MX08FRO665-21 (72x20x8)	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	12.49 12.99 13.49	5.87 6.32 6.79	0.06 0.14 0.22
MX08FRO665-21 (72x20x8)	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	12.49 12.99 13.49	5.87 6.32 6.79	0.06 0.14 0.22
MX08FRO665-21 (72x20x8)	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	12.49 12.99 13.49	5.87 6.32 6.79	0.06 0.14 0.22
TA08025-B605 (15.75x14.96x9.05)	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.19 1.33 1.48	0.07 0.09 0.11
TA08025-B605 (15.75x14.96x9.05)	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.19 1.33 1.48	0.07 0.09 0.11
TA08025-B605 (15.75x14.96x9.05)	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.19 1.33 1.48	0.07 0.09 0.11
TA08025-B604 (15.75x14.96x7.87)	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.03 1.17 1.31	0.06 0.08 0.10
TA08025-B604 (15.75x14.96x7.87)	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.03 1.17 1.31	0.06 0.08 0.10
TA08025-B604 (15.75x14.96x7.87)	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	1.96 2.14 2.32	1.03 1.17 1.31	0.06 0.08 0.10
RDIDC-9181-PF-48 (16.57x14.57x8.46)	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	2.01 2.19 2.37	1.17 1.31 1.46	0.02 0.04 0.06
Sector Mount (Commscope MTC3975083)	A	From Leg	1.50 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	10.60 16.40 22.20	8.10 12.60 17.10	0.41 0.56 0.70
Sector Mount (Commscope MTC3975083)	B	From Leg	1.50 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	10.60 16.40 22.20	8.10 12.60 17.10	0.41 0.56 0.70
Sector Mount (Commscope MTC3975083)	C	From Leg	1.50 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice	10.60 16.40 22.20	8.10 12.60 17.10	0.41 0.56 0.70
***									

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service
51	1.2 Dead+1.0 Ev+1.0 Eh 0 deg

Comb. No.	Description
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 - 188	4.247	47	0.2074	0.0154
T2	188 - 168	3.899	47	0.2071	0.0157
T3	168 - 160	3.034	47	0.2023	0.0159
T4	160 - 140	2.697	47	0.1878	0.0158
T5	140 - 120	1.997	48	0.1436	0.0113
T6	120 - 100	1.452	48	0.1134	0.0092
T7	100 - 80	1.001	48	0.0911	0.0085
T8	80 - 60	0.641	48	0.0687	0.0071
T9	60 - 40	0.373	48	0.0494	0.0056
T10	40 - 20	0.177	48	0.0321	0.0038
T11	20 - 0	0.057	43	0.0140	0.0020

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
196.00	Lightning Rod	47	4.247	0.2074	0.0154	Inf
188.00	SL2	47	3.899	0.2071	0.0157	731323
185.00	BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	47	3.768	0.2075	0.0157	569196

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
169.00	AIR 21 B2A/B4P w/mount pipe (56x12x8)	47	3.077	0.2035	0.0159	179051
168.00	SL3	47	3.034	0.2023	0.0159	142277
164.00	DB586-Y (52.56x2.5x2.5)	47	2.863	0.1959	0.0160	39509
161.00	BA1312-0 (104x2x2)	47	2.737	0.1900	0.0159	25112
160.00	SL4	47	2.697	0.1878	0.0158	23293
159.90	458-2 (159.6x2.8x2.8)	47	2.693	0.1876	0.0158	23161
152.00	876F-70-2HSMP40DF1/2	48	2.393	0.1698	0.0144	23640
140.00	SL5	48	1.997	0.1436	0.0113	30125
130.00	220-3AN (248x2.75x2.75)	48	1.710	0.1267	0.0098	39223
120.00	(2) SBNHH-1D65B w/mount pipe (72x11.85x7.1)	48	1.452	0.1134	0.0092	54097
107.00	MX08FRO665-21 (72x20x8)	48	1.149	0.0987	0.0088	53486
100.00	SL7	48	1.001	0.0911	0.0085	52134
80.00	SL8	48	0.641	0.0687	0.0071	49722
60.00	SL9	48	0.373	0.0494	0.0056	70854
40.00	SL10	48	0.177	0.0321	0.0038	63687
20.00	SL11	43	0.057	0.0140	0.0020	64386

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	196 - 188	15.351	18	0.6980	0.0626
T2	188 - 168	14.187	20	0.6973	0.0637
T3	168 - 160	11.318	20	0.6779	0.0647
T4	160 - 140	10.194	20	0.6409	0.0642
T5	140 - 120	7.685	20	0.5227	0.0460
T6	120 - 100	5.638	20	0.4280	0.0373
T7	100 - 80	3.915	11	0.3496	0.0347
T8	80 - 60	2.523	11	0.2661	0.0290
T9	60 - 40	1.474	11	0.1925	0.0228
T10	40 - 20	0.704	11	0.1258	0.0153
T11	20 - 0	0.225	11	0.0552	0.0080

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
196.00	Lightning Rod	18	15.351	0.6980	0.0626	586391
188.00	SL2	20	14.187	0.6973	0.0637	350783
185.00	BXA-80080/4CF w/mount pipe (48.2x11.2x5.9)	20	13.754	0.6975	0.0639	233968
169.00	AIR 21 B2A/B4P w/mount pipe (56x12x8)	20	11.460	0.6811	0.0647	53615
168.00	SL3	20	11.318	0.6779	0.0647	42638
164.00	DB586-Y (52.56x2.5x2.5)	20	10.751	0.6614	0.0649	17102

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
161.00	BA1312-0 (104x2x2)	20	10.332	0.6463	0.0645	11535
160.00	SL4	20	10.194	0.6409	0.0642	10714
159.90	458-2 (159.6x2.8x2.8)	20	10.181	0.6404	0.0642	10650
152.00	876F-70-2HSMP40DF1/2	20	9.133	0.5944	0.0585	9472
140.00	SL5	20	7.685	0.5227	0.0460	9241
130.00	220-3AN (248x2.75x2.75)	20	6.613	0.4720	0.0397	11971
120.00	(2) SBNHH-1D65B w/mount pipe (72x11.85x7.1)	20	5.638	0.4280	0.0373	16919
107.00	MX08FRO665-21 (72x20x8)	11	4.482	0.3771	0.0359	15201
100.00	SL7	11	3.915	0.3496	0.0347	14165
80.00	SL8	11	2.523	0.2661	0.0290	13042
60.00	SL9	11	1.474	0.1925	0.0228	18365
40.00	SL10	11	0.704	0.1258	0.0153	16283
20.00	SL11	11	0.225	0.0552	0.0080	16363

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	A325N	0.7500	4	0.09	30.10	0.003 ✔	1	Bolt Tension
		Diagonal	A325N	0.6250	1	0.27	5.81	0.047 ✔	1	Member Block Shear
		Top Girt	A325N	0.6250	1	0.03	13.05	0.003 ✔	1	Member Bearing
T2	188	Leg	A325N	0.8750	4	1.66	41.56	0.040 ✔	1	Bolt Tension
		Diagonal	A325N	0.6250	1	1.61	9.11	0.177 ✔	1	Member Block Shear
T3	168	Leg	A325N	0.8750	4	4.10	41.56	0.099 ✔	1	Bolt Tension
		Diagonal	A325N	0.6250	1	3.19	9.11	0.350 ✔	1	Member Block Shear
T4	160	Leg	A325N	0.8750	4	9.57	41.56	0.230 ✔	1	Bolt Tension
		Diagonal	A325N	0.6250	1	3.30	6.83	0.482 ✔	1	Member Block Shear
T5	140	Leg	A325N	1.0000	4	14.63	54.52	0.268 ✔	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4.20	10.44	0.403 ✔	1	Member Bearing
T6	120	Leg	A325N	1.0000	6	14.07	54.52	0.258 ✔	1	Bolt Tension
		Diagonal	A325N	0.7500	1	6.32	11.96	0.529 ✔	1	Member Block Shear
T7	100	Leg	A325N	1.0000	6	19.04	54.52	0.349 ✔	1	Bolt Tension
		Diagonal	A325N	0.7500	1	7.18	12.62	0.569 ✔	1	Member Bearing
T8	80	Leg	A325N	1.0000	8	17.41	54.52	0.319 ✔	1	Bolt Tension
		Diagonal	A325N	0.7500	1	7.91	12.62	0.627 ✔	1	Member Bearing
T9	60	Leg	A325N	1.0000	8	20.70	54.52	0.380 ✔	1	Bolt Tension
		Diagonal	A325N	0.7500	1	8.70	12.62	0.690 ✔	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
T10	40	Leg	A325N	1.0000	8	23.94	54.52	0.439 ✔	1	Bolt Tension
		Diagonal	A325N	0.7500	1	9.27	12.62	0.735 ✔	1	Member Bearing
T11	20	Diagonal	A325N	0.7500	1	9.97	12.62	0.790 ✔	1	Member Bearing

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in²	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 188	ROHN 3 STD	8.00	4.00	41.3 K=1.00	2.2285	-0.75	88.55	0.008 [1] ✔
T2	188 - 168	ROHN 3 STD	20.00	4.00	41.3 K=1.00	2.2285	-9.41	88.55	0.106 [1] ✔
T3	168 - 160	ROHN 3 STD	8.00	4.00	41.3 K=1.00	2.2285	-33.09	88.55	0.374 [1] ✔
T4	160 - 140	ROHN 3 EH	20.04	5.01	52.9 K=1.00	3.0159	-56.27	110.61	0.509 [1] ✔
T5	140 - 120	ROHN 4 EH	20.04	6.68	54.3 K=1.00	4.4074	-77.42	159.91	0.484 [1] ✔
T6	120 - 100	ROHN 5 EH	20.04	6.68	43.6 K=1.00	6.1120	-107.85	239.38	0.451 [1] ✔
T7	100 - 80	ROHN 6 EHS	20.03	6.68	36.0 K=1.00	6.7133	-140.34	274.78	0.511 [1] ✔
T8	80 - 60	ROHN 6 EH	20.04	10.02	54.8 K=1.00	8.4049	-168.35	303.72	0.554 [1] ✔
T9	60 - 40	ROHN 8 EHS	20.03	10.02	41.2 K=1.00	9.7193	-199.97	386.39	0.518 [1] ✔
T10	40 - 20	ROHN 8 EHS	20.03	10.02	41.2 K=1.00	9.7193	-231.78	386.40	0.600 [1] ✔
T11	20 - 0	ROHN 8 EH	20.03	10.02	41.8 K=1.00	12.7627	-263.20	505.56	0.521 [1] ✔

[1] P_u / ϕP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 188	L1 3/4x1 3/4x3/16	7.72	3.57	124.7 K=1.00	0.6211	-0.27	11.42	0.024 [1] ✓
T2	188 - 168	L2x2x1/4	7.72	3.57	112.2 K=1.02	0.9380	-1.91	20.41	0.094 [1] ✓
T3	168 - 160	L2x2x1/4	7.77	3.61	113.1 K=1.02	0.9380	-3.37	20.19	0.167 [1] ✓
T4	160 - 140	L2x2x3/16	9.86	4.79	146.0 K=1.00	0.7150	-3.28	9.60	0.341 [1] ✓
T5	140 - 120	L2 1/2x2 1/2x1/4	12.43	6.08	148.5 K=1.00	1.1900	-4.51	15.45	0.292 [1] ✓
T6	120 - 100	L2 1/2x2 1/2x1/4	14.23	6.92	169.0 K=1.00	1.1900	-6.38	11.92	0.535 [1] ✓
T7	100 - 80	L3x3x1/4	15.99	7.73	156.7 K=1.00	1.4400	-7.17	16.78	0.427 [1] ✓
T8	80 - 60	L3 1/2x3 1/2x1/4	19.26	9.48	164.0 K=1.00	1.6900	-7.89	17.99	0.438 [1] ✓
T9	60 - 40	L3 1/2x3 1/2x1/4	21.03	10.26	177.3 K=1.00	1.6900	-8.80	15.38	0.572 [1] ✓
T10	40 - 20	L4x4x1/4	22.81	11.15	168.3 K=1.00	1.9400	-9.43	19.61	0.481 [1] ✓
T11	20 - 0	L4x4x1/4	24.62	12.06	182.0 K=1.00	1.9400	-10.43	16.77	0.622 [1] ✓

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	196 - 188	L1 3/4x1 3/4x3/16	6.60	6.07	212.2 K=1.00	0.6211	-0.03	3.95	0.008 [1] ✓
T4	160 - 140	KL/R > 200 (C) - 5 L1 3/4x1 3/4x3/16	6.69	6.40	183.6 K=0.82	0.6211	-0.98	5.27	0.185 [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 - 188	ROHN 3 STD	8.00	4.00	41.3	2.2285	0.37	100.28	0.004 [1]
T2	188 - 168	ROHN 3 STD	20.00	4.00	41.3	2.2285	6.64	100.28	0.066 [1]
T3	168 - 160	ROHN 3 STD	8.00	4.00	41.3	2.2285	16.39	100.28	0.163 [1]
T4	160 - 140	ROHN 3 EH	20.04	5.01	52.9	3.0159	38.27	135.72	0.282 [1]
T5	140 - 120	ROHN 4 EH	20.04	6.68	54.3	4.4074	58.52	198.34	0.295 [1]
T6	120 - 100	ROHN 5 EH	20.04	6.68	43.6	6.1120	84.43	275.04	0.307 [1]
T7	100 - 80	ROHN 6 EHS	20.03	6.68	36.0	6.7133	114.26	302.10	0.378 [1]
T8	80 - 60	ROHN 6 EH	20.04	10.02	54.8	8.4049	139.28	378.22	0.368 [1]
T9	60 - 40	ROHN 8 EHS	20.03	10.02	41.2	9.7193	165.62	437.37	0.379 [1]
T10	40 - 20	ROHN 8 EHS	20.03	10.02	41.2	9.7193	191.54	437.37	0.438 [1]
T11	20 - 0	ROHN 8 EH	20.03	10.02	41.8	12.7627	216.55	574.32	0.377 [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 - 188	L1 3/4x1 3/4x3/16	7.72	3.57	82.5	0.3604	0.27	15.68	0.017 [1]
T2	188 - 168	L2x2x1/4	7.72	3.57	72.7	0.5629	1.61	24.49	0.066 [1]
T3	168 - 160	L2x2x1/4	7.74	3.59	73.1	0.5629	3.19	24.49	0.130 [1]
T4	160 - 140	L2x2x3/16	9.86	4.79	95.5	0.4308	3.30	18.74	0.176 [1]
T5	140 - 120	L2 1/2x2 1/2x1/4	12.43	6.08	96.7	0.7519	4.20	32.71	0.129 [1]
T6	120 - 100	L2 1/2x2 1/2x1/4	14.23	6.92	110.0	0.7284	6.32	31.69	0.200 [1]
T7	100 - 80	L3x3x1/4	15.99	7.73	101.5	0.9159	7.18	39.84	0.180 [1]
T8	80 - 60	L3 1/2x3 1/2x1/4	19.26	9.48	105.9	1.1034	7.91	48.00	0.165 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T9	60 - 40	L3 1/2x3 1/2x1/4	21.03	10.26	114.4	1.1034	8.70	48.00	0.181 [1] ✓
T10	40 - 20	L4x4x1/4	22.81	11.15	108.3	1.2909	9.27	56.16	0.165 [1] ✓
T11	20 - 0	L4x4x1/4	24.62	12.06	117.0	1.2909	9.97	56.16	0.178 [1] ✓

[1] P_u / ϕP_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 - 188	L1 3/4x1 3/4x3/16	6.60	6.07	141.1	0.3604	0.01	15.68	0.001 [1] ✓
T4	160 - 140	L1 3/4x1 3/4x3/16	6.69	6.40	142.9	0.6211	0.98	20.12	0.048 [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 - 188	Leg	ROHN 3 STD	1	-0.75	88.55	0.8	Pass
T2	188 - 168	Leg	ROHN 3 STD	19	-9.41	88.55	10.6	Pass
T3	168 - 160	Leg	ROHN 3 STD	52	-33.09	88.55	37.4	Pass
T4	160 - 140	Leg	ROHN 3 EH	67	-56.27	110.61	50.9	Pass
T5	140 - 120	Leg	ROHN 4 EH	97	-77.42	159.91	48.4	Pass
T6	120 - 100	Leg	ROHN 5 EH	118	-107.85	239.38	45.1	Pass
T7	100 - 80	Leg	ROHN 6 EHS	139	-140.34	274.78	51.1	Pass
T8	80 - 60	Leg	ROHN 6 EH	160	-168.35	303.72	55.4	Pass
T9	60 - 40	Leg	ROHN 8 EHS	176	-199.97	386.39	51.8	Pass
T10	40 - 20	Leg	ROHN 8 EHS	191	-231.78	386.40	60.0	Pass
T11	20 - 0	Leg	ROHN 8 EH	206	-263.20	505.56	52.1	Pass
T1	196 - 188	Diagonal	L1 3/4x1 3/4x3/16	8	-0.27	11.42	2.4 4.7 (b)	Pass
T2	188 - 168	Diagonal	L2x2x1/4	22	-1.91	20.41	9.4 17.7 (b)	Pass
T3	168 - 160	Diagonal	L2x2x1/4	56	-3.37	20.19	16.7 35.0 (b)	Pass
T4	160 - 140	Diagonal	L2x2x3/16	75	-3.28	9.60	34.1 48.2 (b)	Pass
T5	140 - 120	Diagonal	L2 1/2x2 1/2x1/4	102	-4.51	15.45	29.2 40.3 (b)	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T6	120 - 100	Diagonal	L2 1/2x2 1/2x1/4	123	-6.38	11.92	53.5	Pass
T7	100 - 80	Diagonal	L3x3x1/4	143	-7.17	16.78	42.7	Pass
T8	80 - 60	Diagonal	L3 1/2x3 1/2x1/4	164	-7.89	17.99	56.9 (b) 43.8	Pass
T9	60 - 40	Diagonal	L3 1/2x3 1/2x1/4	179	-8.80	15.38	62.7 (b) 57.2	Pass
T10	40 - 20	Diagonal	L4x4x1/4	194	-9.43	19.61	69.0 (b) 48.1	Pass
T11	20 - 0	Diagonal	L4x4x1/4	210	-10.43	16.77	73.5 (b) 62.2	Pass
T1	196 - 188	Top Girt	L1 3/4x1 3/4x3/16	5	-0.03	3.95	79.0 (b) 0.8	Pass
T4	160 - 140	Top Girt	L1 3/4x1 3/4x3/16	72	-0.98	5.27	18.5	Pass
							Summary	
						Leg (T10)	60.0	Pass
						Diagonal (T11)	79.0	Pass
						Top Girt (T4)	18.5	Pass
						Bolt Checks	79.0	Pass
						RATING =	**79.0**	**Pass**

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 #: 10207139
Colliers Engineering & Design CT, P.C. Project #: 23777159

July 23, 2023

Site Information	*Site ID:*	*5000245839-VZW / WILLIMANTIC CT*
	Site Name:	*Willimantic CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*349 Mountain Street* *Willimantic, Connecticut 06226* *Windham County*
	Latitude:	*41.703000°*
	Longitude:	*-72.221389°*
Structure Information	*Tower Type:*	*196-Ft Self Support*
	Mount Type:	*12.50-Ft Sector Frame*

FUZE ID # 17123909

Analysis Results

Sector Frame: **36.0% 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: Cody Sherman

Digitally signed by Derek Hartzell
Date: 2023.07.23 12:24:01-07'00'

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: 325144, dated November 20, 2020*
Mount Mapping Report	*Hudson Design Group LLC., Site ID: 467900, dated September 6, 2018*
Post Modification Inspection	*Maser Consulting Connecticut Project #: 20777649A, dated December 6, 2021*
Final Loading Guidance	*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:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.981
Seismic Parameters:	S_S:	0.190 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
119.00	120.00	6	KAelus	KA-6030	Added
		3	-	VZS01	Retained
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	RFS	DB-B1-6C-12AB-0Z	
		2	Commscope	SBNHH-1D45B	
		4	Andrew	SBNHH-1D65B	
185.00	185.00	3	Antel	BXA-80080/4CF*	

* Equipment is mounted at a separate elevation to the Self Support. They are not mounted on Sector Frame mounts and are not included in this mount analysis.

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
Antenna Pipe	*24.0%*	*Pass*
Standoff Vertical	*4.0%*	*Pass*
Tieback	*8.0%*	*Pass*
Standoff Diagonal	*7.0%*	*Pass*
Standoff Plate	*36.0%*	*Pass*
Standoff Horizontal	*19.0%*	*Pass*
Face Horizontal	*21.0%*	*Pass*
Connection Check	*8.0%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**36.0%**

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	15.0	5.5	25.0	15.5
0.5	23.5	10.5	37.7	24.6
1	31.3	14.9	49.7	33.3

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 #: 5000245839 SMART Project #: 10207139 Fuze Project ID: 17123909

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: 5000245839-VZW - WILLIMANTIC CT

Sector: A

Structure Type: Self Support

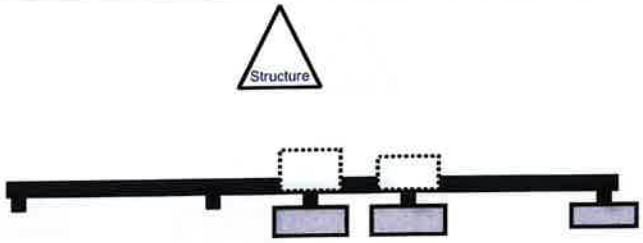
Mount Elev: 119.00

10207139

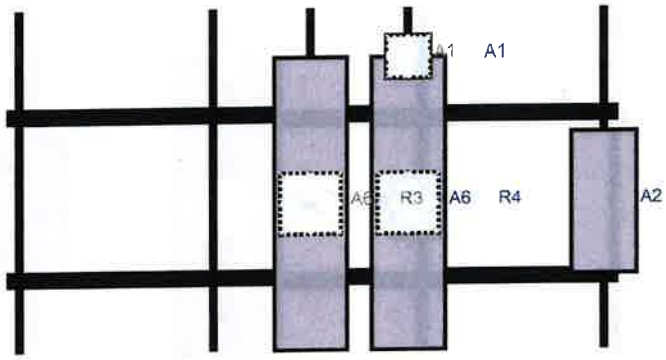
7/22/2023

Colliers Engineering & Design

Plan View



Front View - Looking at Structure

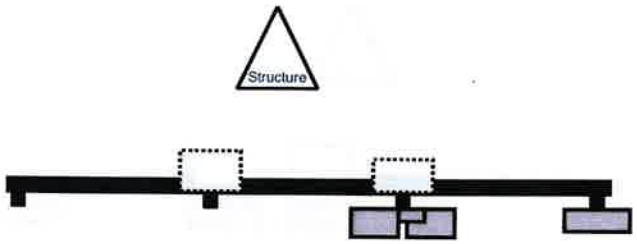


5 4 3 2 1

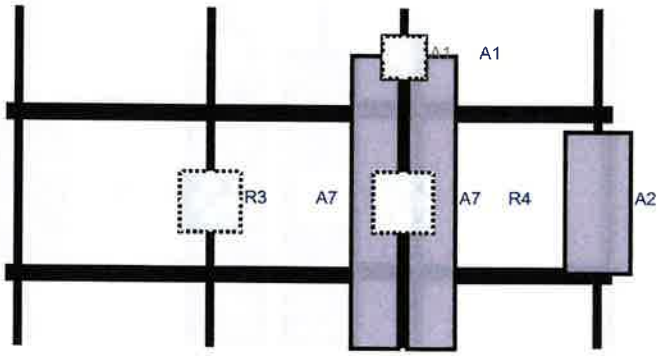
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	VZS01	35.1	16.1	146.5	1	a	Front	48	0	Retained	11/17/2021
A6	SBNHH-1D45B	72	18	98.5	2	a	Front	48	0	Retained	11/17/2021
A1	KA-6030	10.6	10.9	98.5	2	a	Front	12	0	Added	
A1	KA-6030	10.6	10.9	98.5	2	b	Behind	12	0	Added	
R4	B5/B13 RRH-BR04C	15	15	98.5	2	a	Behind	48	0	Retained	11/17/2021
A6	SBNHH-1D45B	72	18	74.5	3	a	Front	48	0	Retained	11/17/2021
R3	B2/B66A RRH-BR049	15	15	74.5	3	a	Behind	48	0	Retained	11/17/2021
OVP	DB-B1-6C-12AB-0Z	28.9	15.7		Member					Retained	11/17/2021

Colliers Engineering & Design

Plan View

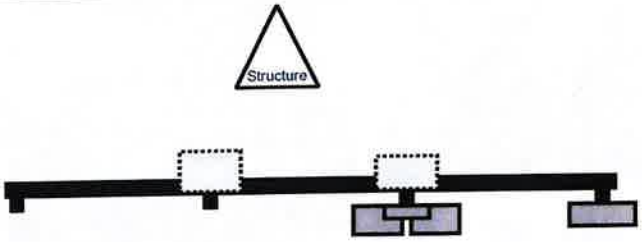


Front View - Looking at Structure

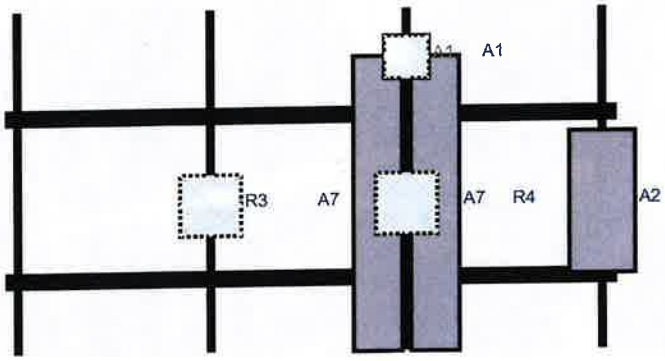


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	VZS01	35.1	16.1	146.5	1	a	Front	48	0	Retained	11/17/2021
A7	SBNHH-1D65B	72.6	11.9	98.5	2	a	Front	48	-7	Retained	11/17/2021
A7	SBNHH-1D65B	72.6	11.9	98.5	2	b	Front	48	7	Retained	11/17/2021
A1	KA-6030	10.6	10.9	98.5	2	a	Front	12	0	Added	
A1	KA-6030	10.6	10.9	98.5	2	b	Behind	12	0	Added	
R4	B5/B13 RRH-BR04C	15	15	98.5	2	a	Behind	48	0	Retained	11/17/2021
R3	B2/B66A RRH-BR049	15	15	50.5	3	a	Behind	48	0	Retained	11/17/2021

Plan View



Front View - Looking at Structure



4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	VZS01	35.1	16.1	146.5	1	a	Front	48	0	Retained	11/17/2021
A7	SBNHH-1D65B	72.6	11.9	98.5	2	b	Front	48	7	Retained	11/17/2021
A7	SBNHH-1D65B	72.6	11.9	98.5	2	c	Front	48	-7	Retained	11/17/2021
A1	KA-6030	10.6	10.9	98.5	2	a	Front	12	0	Added	
A1	KA-6030	10.6	10.9	98.5	2	b	Behind	12	0	Added	
R4	B5/B13 RRH-BR04C	15	15	98.5	2	a	Behind	48	0	Retained	11/17/2021
R3	B2/B66A RRH-BR049	15	15	50.5	3	a	Behind	48	0	Retained	11/17/2021


Nov 19, 2021 at 11:34:02 AM

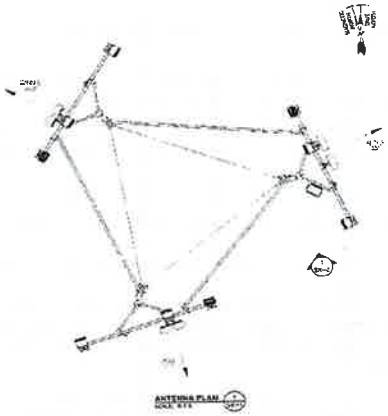
V3.0 Updated on 8-31-2020

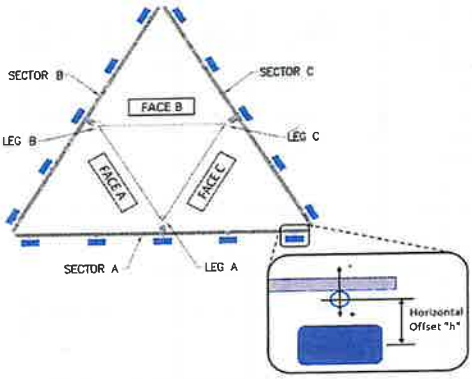
Antenna Mount Mapping Form (PATENT PENDING)

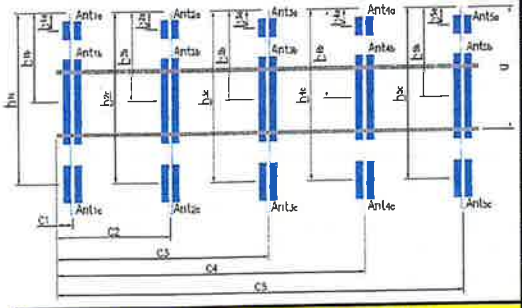
MASER CONSULTING P.A.

FCC # 1043732

Tower Owner:	SBA	Mapping Date:	9/6/2018
Site Name:	Willimantic CT	Tower Type:	Self Support
Site Number or ID:	467900	Tower Height (Ft.):	180
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	123







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 84" LONG	66.00	3.00	C1	PIPE 2" STD. X 84" LONG	66.00	3.00
A2	PIPE 2" STD. X 84" LONG	66.00	50.50	C2	PIPE 2" STD. X 84" LONG	66.00	50.50
A3	PIPE 2" STD. X 84" LONG	66.00	74.50	C3	PIPE 2" STD. X 84" LONG	66.00	98.50
A4	PIPE 2" STD. X 84" LONG	66.00	98.50	C4	PIPE 2" STD. X 84" LONG	66.00	146.50
A5	PIPE 2" STD. X 84" LONG	66.00	146.50	C5			
A6				C6			
B1	PIPE 2" STD. X 84" LONG	66.00	3.00	D1			
B2	PIPE 2" STD. X 84" LONG	66.00	50.50	D2			
B3	PIPE 2" STD. X 84" LONG	66.00	98.50	D3			
B4	PIPE 2" STD. X 84" LONG	66.00	146.50	D4			
B5				D5			
B6				D6			

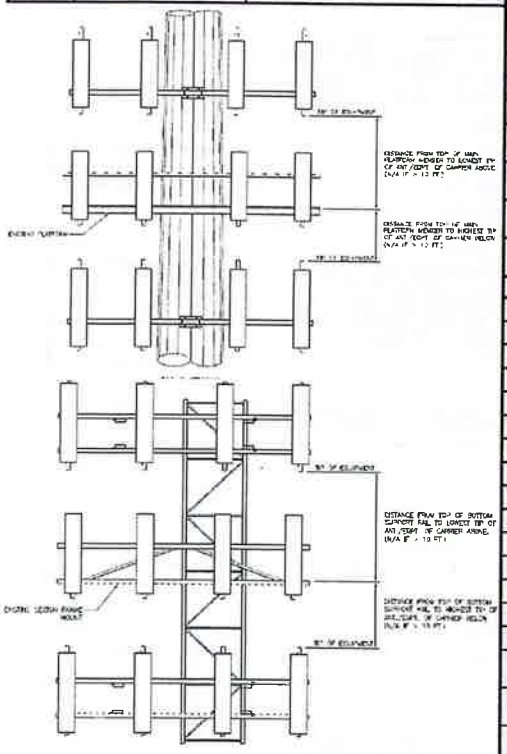
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier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

Tower Face Width at Mount Elev. (ft.):	11	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	4.5

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances "b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" If Ant. Is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
	Sector A									
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		127.5	12.00	-7.00		39
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	9.00	21.50		127.5	12.00	-7.00		41
Ant_{2b}	SBNHH-1D45B	18.00	7.50	72.00		123.833	56.00	9.00	65.00	2
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	SBNHH-1D45B	18.00	7.50	72.00		123.833	56.00	9.00	65.00	2
Ant_{3c}										
Ant_{4a}	B25 RRH 4X30	12.00	7.00	20.50		127.5	12.00	-7.00		44
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RCMDC-6627-PF-48	15.00	10.00	28.00			10.00	6.00		45
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	65.00	Deg	Leg A:	80.00	Deg
Sector B:	160.00	Deg	Leg B:	200.00	Deg
Sector C:	300.00	Deg	Leg C:	320.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	80.00 Deg	On Leg A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		127.5	12.00	-7.00		39
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	9.00	21.50		127.5	12.00	-7.00		41
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		123.833	56.00	9.00	160.00	29
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		127.5	12.00	-7.00		44
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										
Sector C										
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		127.5	12.00	-7.00		39
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	9.00	21.50		127.5	12.00	-7.00		41
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		123.833	56.00	9.00	300.00	29
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		127.5	12.00	-7.00		44
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										
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	(6) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	5
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.

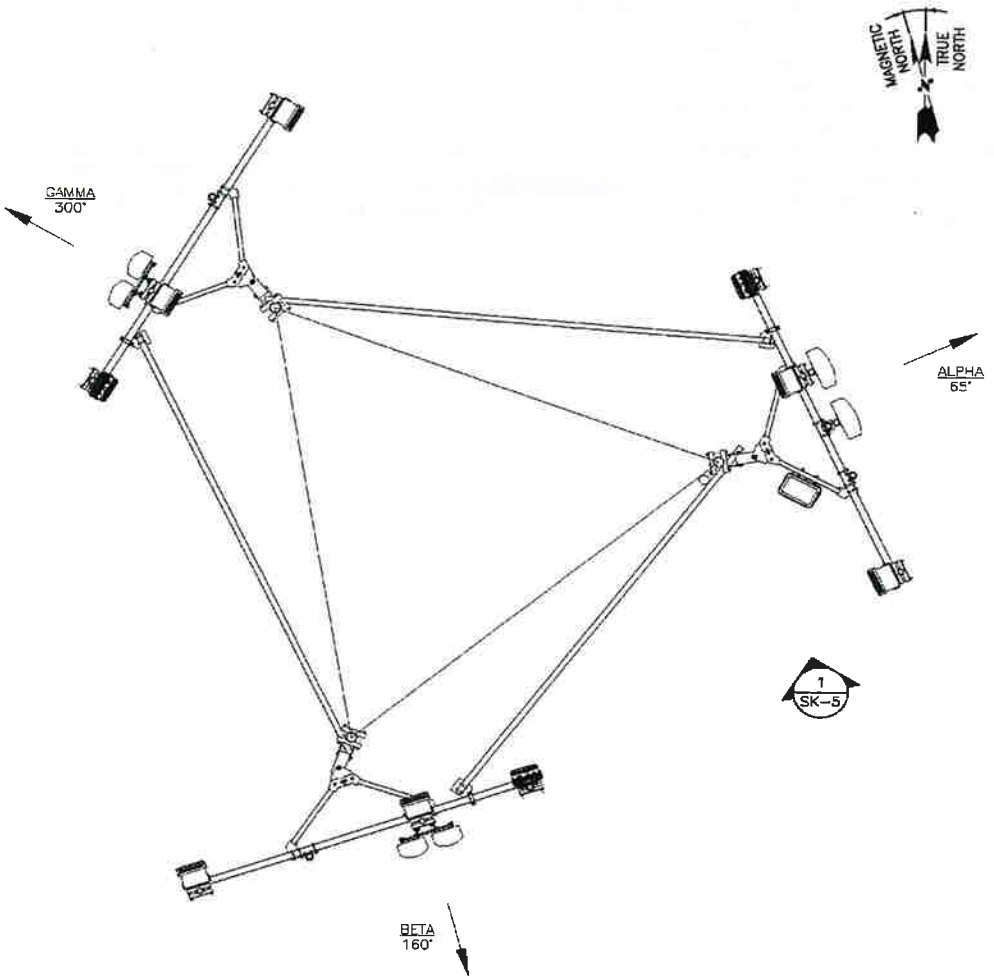
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #: 1043732

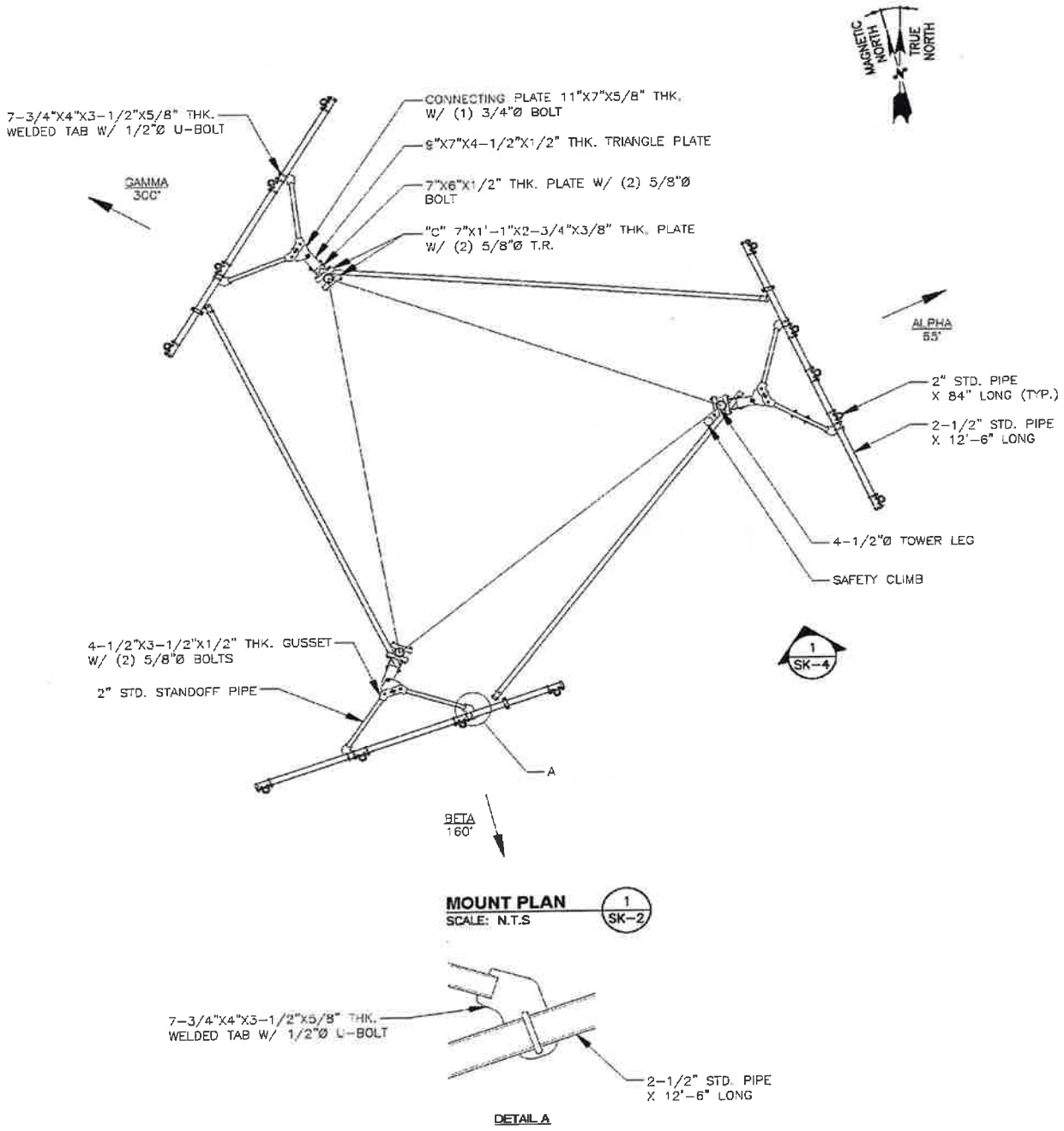
Tower Owner:	SBA	Mapping Date:	9/6/2018
Site Name:	Willimantic CT	Tower Type:	Self Support
Site Number or ID:	467900	Tower Height (Ft.):	180
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	123

Please Insert Sketches of the Antenna Mount



ANTENNA PLAN 1 SK-1
SCALE: N.T.S

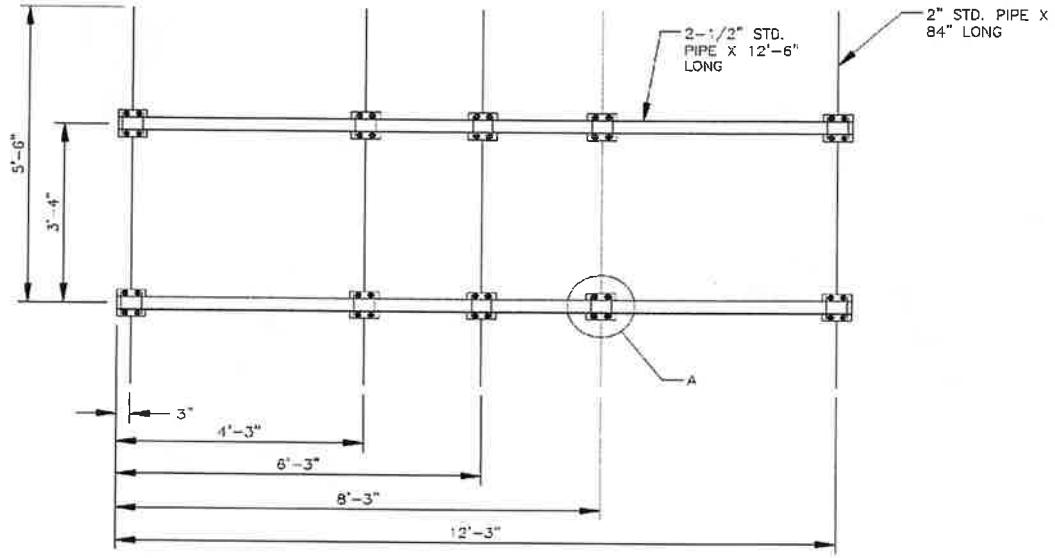
Please Insert Sketches of the Antenna Mount, cont'd



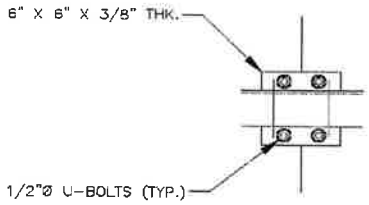
MOUNT PLAN (1 / SK-2)
SCALE: N.T.S

DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

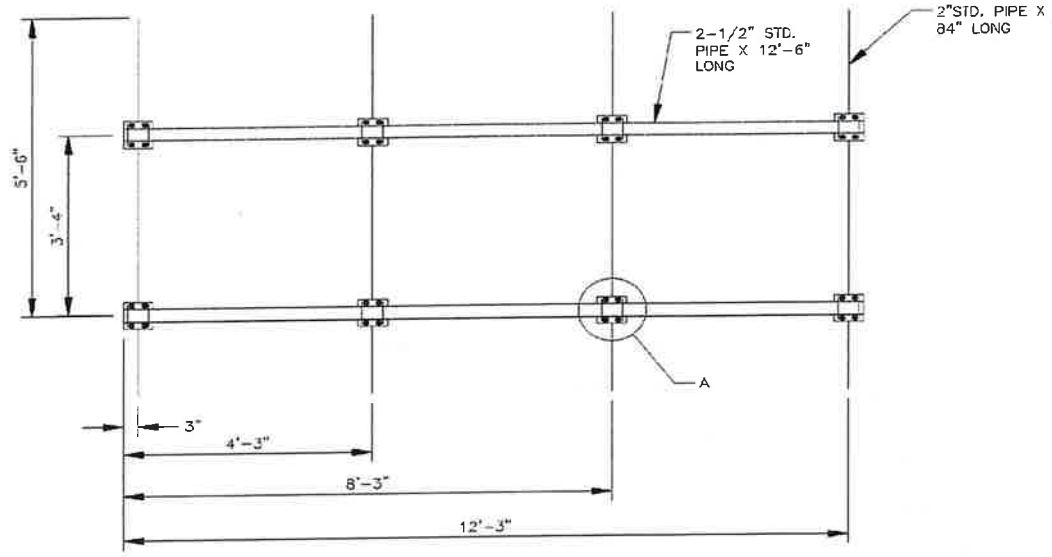


MOUNT ELEVATION (ALPHA SECTOR) (1 / SK-3)
SCALE: N.T.S

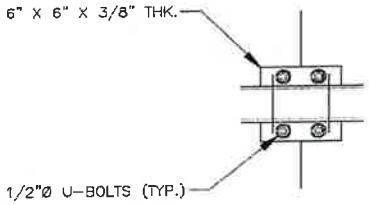


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

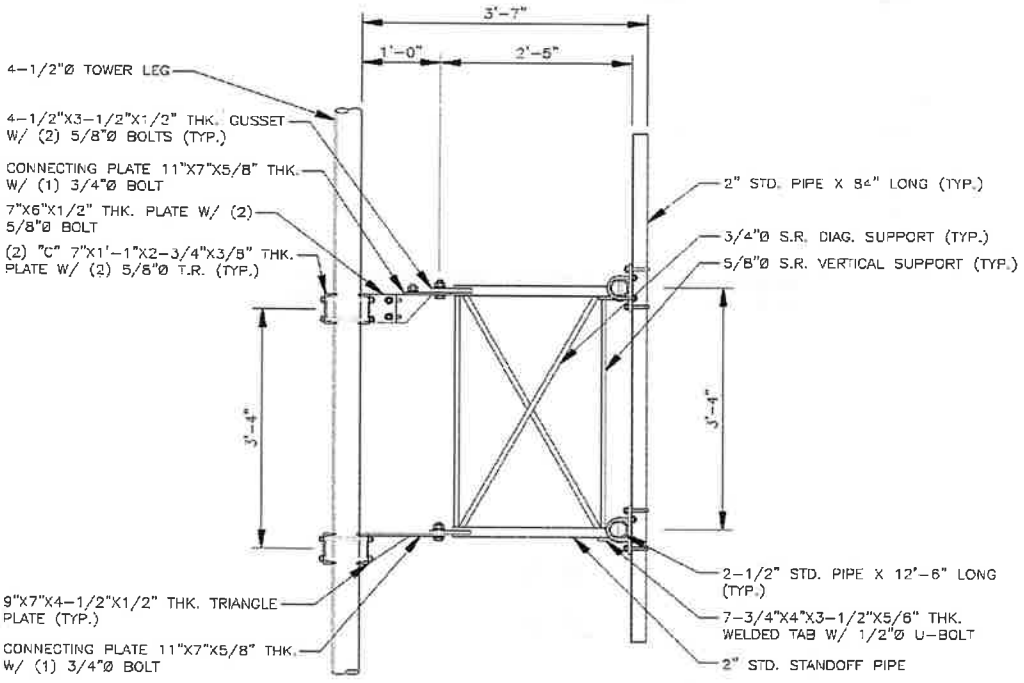


MOUNT ELEVATION (BETA & GAMMA SECTOR) (1 / SK-4)
SCALE: N.T.S

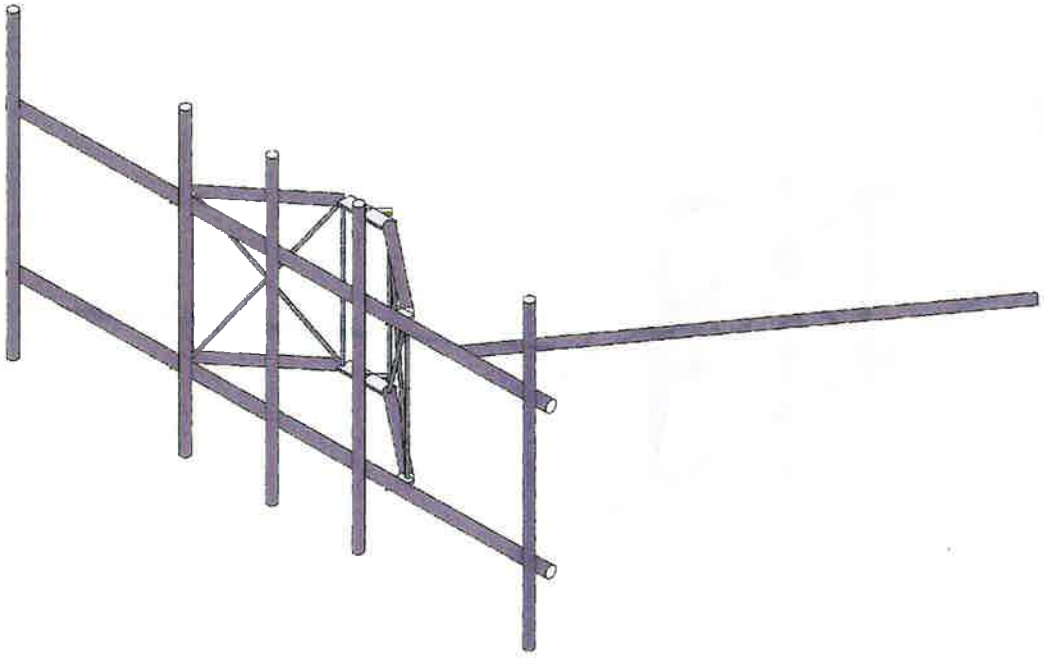


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

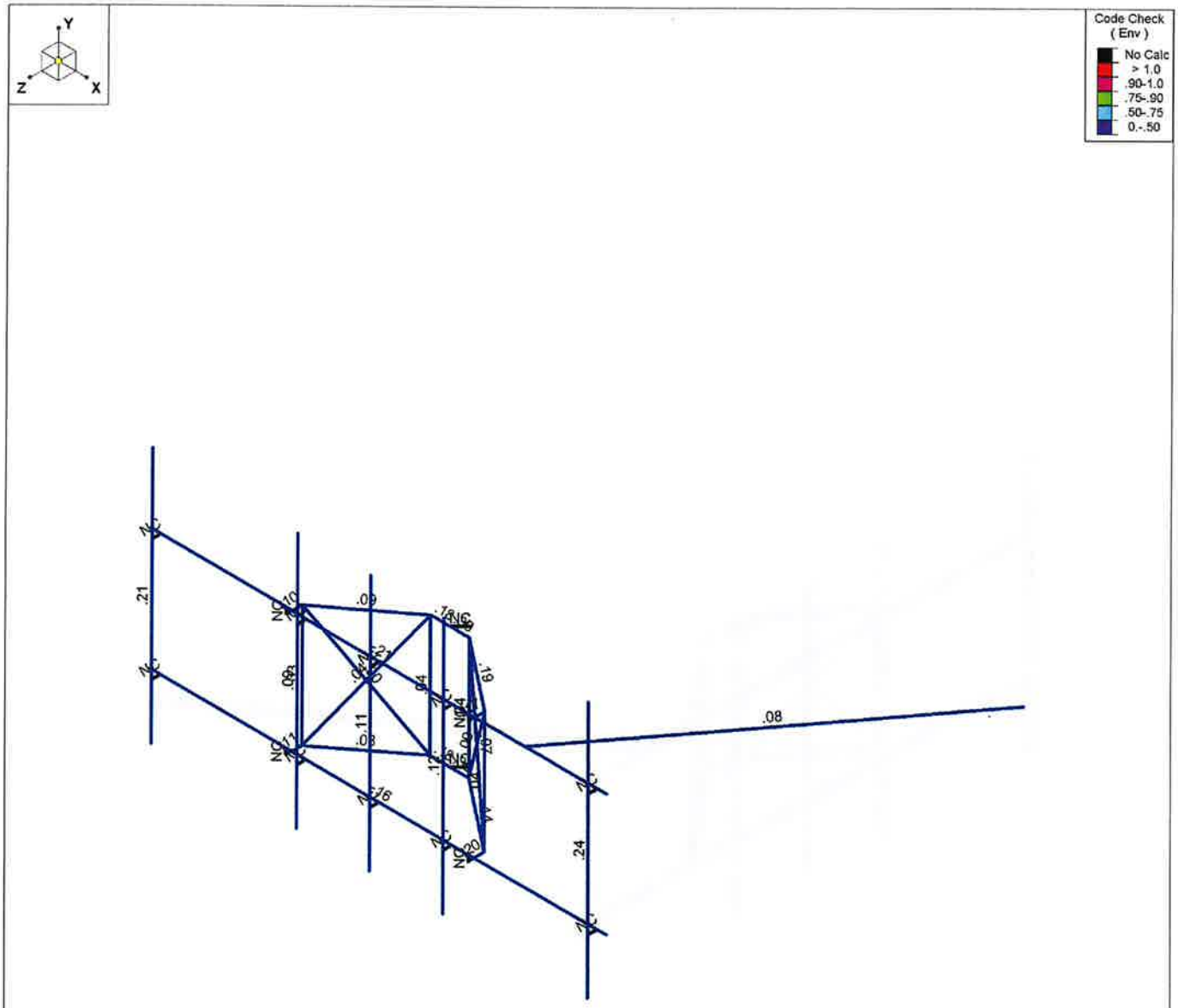


MOUNT SIDE ELEVATION (1 / SK-5)
SCALE: N.T.S



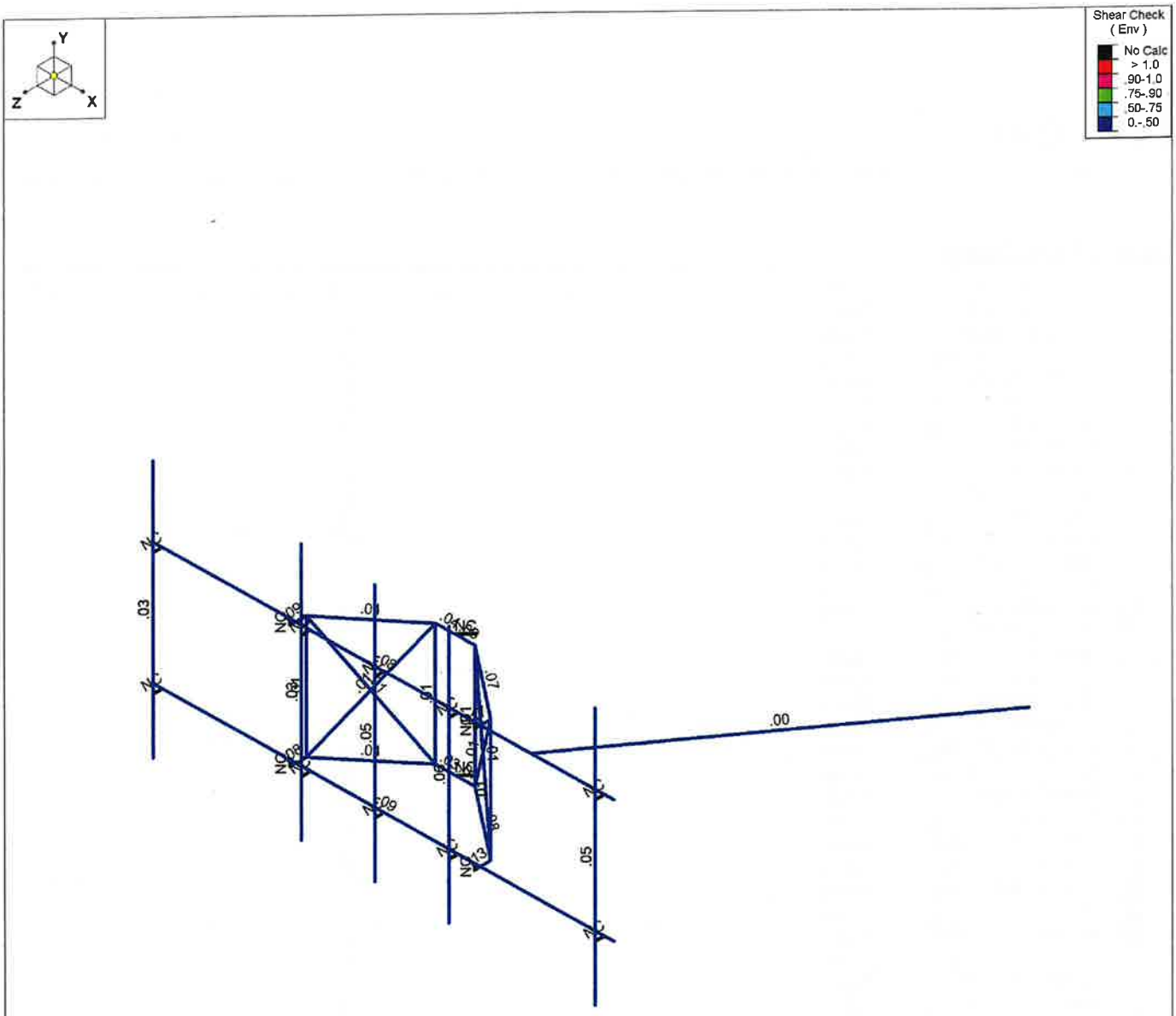
Envelope Only Solution

	5000245839-VZW_MT_LOT_SectorA_H	SK - 1
		July 22, 2023 at 2:49 PM
		5000245839-VZW_MT_LOT_A_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

	5000245839-VZW_MT_LOT_SectorA_H	SK - 2
		July 22, 2023 at 2:49 PM
		5000245839-VZW_MT_LOT_A_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

	5000245839-VZW_MT_LOT_SectorA_H	SK - 3
		July 22, 2023 at 2:49 PM
		5000245839-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						28		
41	Structure Wo (0 Deg)	None						56		
42	Structure Wo (30 Deg)	None						56		
43	Structure Wo (60 Deg)	None						56		
44	Structure Wo (90 Deg)	None						56		
45	Structure Wo (120 D...	None						56		
46	Structure Wo (150 D...	None						56		
47	Structure Wo (180 D...	None						56		
48	Structure Wo (210 D...	None						56		
49	Structure Wo (240 D...	None						56		
50	Structure Wo (270 D...	None						56		
51	Structure Wo (300 D...	None						56		
52	Structure Wo (330 D...	None						56		
53	Structure Wi (0 Deg)	None						56		

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						56		
55	Structure Wi (60 Deg)	None						56		
56	Structure Wi (90 Deg)	None						56		
57	Structure Wi (120 De..	None						56		
58	Structure Wi (150 De..	None						56		
59	Structure Wi (180 De..	None						56		
60	Structure Wi (210 De..	None						56		
61	Structure Wi (240 De..	None						56		
62	Structure Wi (270 De..	None						56		
63	Structure Wi (300 De..	None						56		
64	Structure Wi (330 De..	None						56		
65	Structure Wm (0 Deg)	None						56		
66	Structure Wm (30 De...	None						56		
67	Structure Wm (60 De...	None						56		
68	Structure Wm (90 De...	None						56		
69	Structure Wm (120 D...	None						56		
70	Structure Wm (150 D...	None						56		
71	Structure Wm (180 D...	None						56		
72	Structure Wm (210 D...	None						56		
73	Structure Wm (240 D...	None						56		
74	Structure Wm (270 D...	None						56		
75	Structure Wm (300 D...	None						56		
76	Structure Wm (330 D...	None						56		
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								
85	Structure Eh (0 Deg)	ELZ			-.03					
86	Structure Eh (90 Deg)	ELX	.03							

Load Combinations

	Description	Sol...	PDe...	S...	BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...	
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 (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1						
17	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1						
18	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1						
19	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1						

Load Combinations (Continued)

	Description	Sol...	PDe...	S...	BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...		BLCFa...	
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	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 ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	41.	1.75	97.	0	
2	N2	-109.	1.75	97.	0	
3	N3	41.	41.75	97.	0	
4	N4	-109.	41.75	97.	0	
5	N11	-33.5	1.75	97.	0	
6	N12	38.	41.75	97.	0	
7	N19	-33.5	1.75	100.	0	
8	N20	38.	41.75	100.	0	
9	N21	-64.	0	97.	0	
10	N22	-64.	40.	97.	0	
11	N23	-4.	0	97.	0	
12	N24	-4.	40.	97.	0	
13	N25	-64.	0	91.9375	0	
14	N26	-64.	40.	91.9375	0	
15	N27	-4.	0	91.9375	0	
16	N28	-4.	40.	91.9375	0	
17	N29	-34.	0	73.4375	0	
18	N30	-34.	40.	73.4375	0	
19	N31	-40.375	0	73.4375	0	
20	N32	-40.375	40.	73.4375	0	
21	N33	-27.625	0	73.4375	0	
22	N34	-27.625	40.	73.4375	0	
23	N35	-30.464466	0	69.901966	0	
24	N36	-30.464466	40.	69.901966	0	
25	N38	14.25	41.75	97.	0	
26	N42	38.	67.75	100.	0	
27	N46	38.	-16.25	100.	0	
28	N58	-64.	40.	92.5	0	
29	N76	-35.125	0	73.4375	0	
30	N77	-38.75	0	73.4375	0	
31	N78	-32.875	0	73.4375	0	
32	N79	-29.25	0	73.4375	0	
33	N80	-35.125	40.	73.4375	0	
34	N81	-38.75	40.	73.4375	0	
35	N82	-32.875	40.	73.4375	0	
36	N83	-29.25	40.	73.4375	0	
37	N58A	-34.	41.75	97.	0	
38	N59	-64.	1.75	97.	0	
39	N60	-64.	41.75	97.	0	
40	N61	-4.	1.75	97.	0	
41	N62	-4.	41.75	97.	0	
42	N45	-9.5	1.75	97.	0	
43	N46A	-9.5	41.75	97.	0	
44	N47	-9.5	1.75	100.	0	
45	N48	-9.5	41.75	100.	0	
46	N49	-9.5	67.75	100.	0	
47	N50	-9.5	-16.25	100.	0	
48	N51	38.	1.75	97.	0	
49	N52	-33.5	41.75	97.	0	
50	N53	38.	1.75	100.	0	
51	N54	-33.5	41.75	100.	0	
52	N55	-33.5	67.75	100.	0	
53	N56	-33.5	-16.25	100.	0	
54	N57	-57.5	1.75	97.	0	
55	N58B	-57.5	41.75	97.	0	
56	N59A	-57.5	1.75	100.	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
57	N60A	-57.5	41.75	100.	0	
58	N61A	-57.5	67.75	100.	0	
59	N62A	-57.5	-16.25	100.	0	
60	N63	-105.5	1.75	97.	0	
61	N64	-105.5	41.75	97.	0	
62	N65	-105.5	1.75	100.	0	
63	N66	-105.5	41.75	100.	0	
64	N67	-105.5	67.75	100.	0	
65	N68	-105.5	-16.25	100.	0	
66	N67A	83.850887	41.75	3.901966	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Horizontal mount pipe	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Diagonal	SR_0.75	Beam	BAR	A36 Gr.36	Typical	.442	.016	.016	.031
5	Tieback	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
6	Standoff Vertical	SR_0.625	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015
7	Standoff Plate	PL5/8X3.5	Beam	BAR	A36 Gr.36	Typical	2.188	.071	2.233	.253

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
7	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	FACE	N2	N1			Horizontal mou...	Beam	Pipe	A53 Gr. B	Typical
2	M2	N4	N3			Horizontal mou...	Beam	Pipe	A53 Gr. B	Typical
3	M11	N12	N20			RIGID	None	None	RIGID	Typical
4	LIVE2	N11	N19			RIGID	None	None	RIGID	Typical
5	M13	N22	N26		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
6	M14	N21	N25		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
7	M15	N23	N27		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
8	M16	N24	N28		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
9	OVP	N26	N32			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
10	M18	N25	N31			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
11	M19	N27	N33			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
12	M20	N28	N34			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
13	M21	N32	N30		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
14	M22	N34	N30		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
15	M23	N31	N29		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
16	M24	N33	N29		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
17	M25	N31	N26			Standoff Diago...	Beam	BAR	A36 Gr.36	Typical
18	M26	N32	N25			Standoff Diago...	Beam	BAR	A36 Gr.36	Typical
19	M27	N33	N28			Standoff Diago...	Beam	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
20	M28	N27	N34			Standoff Diago...	Beam	BAR	A36 Gr.36	Typical
21	M29	N29	N35			RIGID	None	None	RIGID	Typical
22	M30	N30	N36			RIGID	None	None	RIGID	Typical
23	M32	N38	N67A			Tieback	Beam	Pipe	A53 Gr. B	Typical
24	MP1A	N42	N46			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
25	M44	N25	N26			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
26	M45	N31	N32			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
27	M46	N33	N34			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
28	M47	N27	N28			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
29	M47B	N22	N60			RIGID	None	None	RIGID	Typical
30	M48A	N21	N59			RIGID	None	None	RIGID	Typical
31	M49A	N24	N62			RIGID	None	None	RIGID	Typical
32	M50A	N23	N61			RIGID	None	None	RIGID	Typical
33	M51A	N30	N36			RIGID	None	None	RIGID	Typical
34	M52A	N29	N35			RIGID	None	None	RIGID	Typical
35	M36	N46A	N48			RIGID	None	None	RIGID	Typical
36	LIVE1	N45	N47			RIGID	None	None	RIGID	Typical
37	MP2A	N49	N50			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
38	M39	N52	N54			RIGID	None	None	RIGID	Typical
39	M40	N51	N53			RIGID	None	None	RIGID	Typical
40	MP3A	N55	N56			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
41	M42	N58B	N60A			RIGID	None	None	RIGID	Typical
42	M43	N57	N59A			RIGID	None	None	RIGID	Typical
43	MP4A	N61A	N62A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
44	M45A	N64	N66			RIGID	None	None	RIGID	Typical
45	M46A	N63	N65			RIGID	None	None	RIGID	Typical
46	MP5A	N67	N68			Antenna Pipe	Beam	Pipe	A53 Gr. B	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	FACE						Yes				None
2	M2						Yes				None
3	M11						Yes	** NA **			None
4	LIVE2						Yes	** NA **			None
5	M13						Yes	Default			None
6	M14						Yes	Default			None
7	M15						Yes				None
8	M16						Yes				None
9	OVP						Yes	Default			None
10	M18						Yes				None
11	M19						Yes				None
12	M20						Yes	Default			None
13	M21						Yes	Default			None
14	M22						Yes				None
15	M23						Yes				None
16	M24						Yes				None
17	M25	BenPIN	BenPIN			Euler Buc...	Yes	Default			None
18	M26	BenPIN	BenPIN			Euler Buc...	Yes	Default			None
19	M27	BenPIN	BenPIN			Euler Buc...	Yes				None
20	M28	BenPIN	BenPIN			Euler Buc...	Yes				None
21	M29						Yes	** NA **		Inactive	None
22	M30						Yes	** NA **		Inactive	None
23	M32	BenPIN					Yes	Default			None
24	MP1A						Yes				None
25	M44	BenPIN	BenPIN				Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
26	M45	BenPIN	BenPIN				Yes				None
27	M46	BenPIN	BenPIN				Yes				None
28	M47	BenPIN	BenPIN				Yes	Default			None
29	M47B		OOOXOO				Yes	** NA **			None
30	M48A		OOOXOO				Yes	** NA **			None
31	M49A		OOOXOO				Yes	** NA **			None
32	M50A		OOOXOO				Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M52A						Yes	** NA **			None
35	M36						Yes	** NA **			None
36	LIVE1						Yes	** NA **			None
37	MP2A						Yes				None
38	M39						Yes	** NA **			None
39	M40						Yes	** NA **			None
40	MP3A						Yes				None
41	M42						Yes	** NA **			None
42	M43						Yes	** NA **			None
43	MP4A						Yes				None
44	M45A						Yes	** NA **			None
45	M46A						Yes	** NA **			None
46	MP5A						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-17.6	12
2	MP2A	My	-.007	12
3	MP2A	Mz	-.000639	12
4	MP2A	Y	-17.6	12
5	MP2A	My	.007	12
6	MP2A	Mz	.000639	12
7	MP1A	Y	-43.55	36
8	MP1A	My	-.022	36
9	MP1A	Mz	-.002	36
10	MP1A	Y	-43.55	60
11	MP1A	My	-.022	60
12	MP1A	Mz	-.002	60
13	MP3A	Y	-84.4	48
14	MP3A	My	.042	48
15	MP3A	Mz	.004	48
16	MP2A	Y	-70.3	48
17	MP2A	My	.035	48
18	MP2A	Mz	.003	48
19	OVP	Y	-32	15
20	OVP	My	0	15
21	OVP	Mz	0	15
22	MP2A	Y	-32.2	24
23	MP2A	My	-.016	24
24	MP2A	Mz	-.001	24
25	MP2A	Y	-32.2	72
26	MP2A	My	-.016	72
27	MP2A	Mz	-.001	72
28	MP3A	Y	-32.2	24
29	MP3A	My	-.016	24
30	MP3A	Mz	-.001	24
31	MP3A	Y	-32.2	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
32	MP3A	My	-.016	72
33	MP3A	Mz	-.001	72

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	6.6	12
2	MP2A	My	.003	12
3	MP2A	Mz	.00024	12
4	MP2A	Y	6.6	12
5	MP2A	My	-.003	12
6	MP2A	Mz	-.00024	12
7	MP1A	Y	-35.025	36
8	MP1A	My	-.017	36
9	MP1A	Mz	-.002	36
10	MP1A	Y	-35.025	60
11	MP1A	My	-.017	60
12	MP1A	Mz	-.002	60
13	MP3A	Y	-44.147	48
14	MP3A	My	.022	48
15	MP3A	Mz	.002	48
16	MP2A	Y	-39.697	48
17	MP2A	My	.02	48
18	MP2A	Mz	.002	48
19	OVP	Y	-74.706	15
20	OVP	My	0	15
21	OVP	Mz	0	15
22	MP2A	Y	-77.44	24
23	MP2A	My	-.039	24
24	MP2A	Mz	-.003	24
25	MP2A	Y	-77.44	72
26	MP2A	My	-.039	72
27	MP2A	Mz	-.003	72
28	MP3A	Y	-77.44	24
29	MP3A	My	-.039	24
30	MP3A	Mz	-.003	24
31	MP3A	Y	-77.44	72
32	MP3A	My	-.039	72
33	MP3A	Mz	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	12
2	MP2A	Z	-33.284	12
3	MP2A	Mx	.001	12
4	MP2A	X	0	12
5	MP2A	Z	-33.284	12
6	MP2A	Mx	-.001	12
7	MP1A	X	0	36
8	MP1A	Z	-81.532	36
9	MP1A	Mx	.004	36
10	MP1A	X	0	60
11	MP1A	Z	-81.532	60
12	MP1A	Mx	.004	60
13	MP3A	X	0	48
14	MP3A	Z	-53.891	48
15	MP3A	Mx	-.002	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP2A	X	0	48
17	MP2A	Z	-53.841	48
18	MP2A	Mx	-.002	48
19	OVP	X	0	15
20	OVP	Z	-95.418	15
21	OVP	Mx	0	15
22	MP2A	X	0	24
23	MP2A	Z	-197.866	24
24	MP2A	Mx	.009	24
25	MP2A	X	0	72
26	MP2A	Z	-197.866	72
27	MP2A	Mx	.009	72
28	MP3A	X	0	24
29	MP3A	Z	-197.866	24
30	MP3A	Mx	.009	24
31	MP3A	X	0	72
32	MP3A	Z	-197.866	72
33	MP3A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	14.649	12
2	MP2A	Z	-25.372	12
3	MP2A	Mx	-.005	12
4	MP2A	X	14.649	12
5	MP2A	Z	-25.372	12
6	MP2A	Mx	.005	12
7	MP1A	X	36.504	36
8	MP1A	Z	-63.227	36
9	MP1A	Mx	-.015	36
10	MP1A	X	36.504	60
11	MP1A	Z	-63.227	60
12	MP1A	Mx	-.015	60
13	MP3A	X	25.425	48
14	MP3A	Z	-44.038	48
15	MP3A	Mx	.011	48
16	MP2A	X	24.834	48
17	MP2A	Z	-43.014	48
18	MP2A	Mx	.01	48
19	OVP	X	43.89	15
20	OVP	Z	-76.02	15
21	OVP	Mx	0	15
22	MP2A	X	89.818	24
23	MP2A	Z	-155.57	24
24	MP2A	Mx	-.038	24
25	MP2A	X	89.818	72
26	MP2A	Z	-155.57	72
27	MP2A	Mx	-.038	72
28	MP3A	X	89.818	24
29	MP3A	Z	-155.57	24
30	MP3A	Mx	-.038	24
31	MP3A	X	89.818	72
32	MP3A	Z	-155.57	72
33	MP3A	Mx	-.038	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	15.431	12
2	MP2A	Z	-8.909	12
3	MP2A	Mx	-.006	12
4	MP2A	X	15.431	12
5	MP2A	Z	-8.909	12
6	MP2A	Mx	.006	12
7	MP1A	X	41.972	36
8	MP1A	Z	-24.233	36
9	MP1A	Mx	-.02	36
10	MP1A	X	41.972	60
11	MP1A	Z	-24.233	60
12	MP1A	Mx	-.02	60
13	MP3A	X	36.458	48
14	MP3A	Z	-21.049	48
15	MP3A	Mx	.017	48
16	MP2A	X	32.609	48
17	MP2A	Z	-18.827	48
18	MP2A	Mx	.015	48
19	OVP	X	88.451	15
20	OVP	Z	-51.067	15
21	OVP	Mx	0	15
22	MP2A	X	110.112	24
23	MP2A	Z	-63.573	24
24	MP2A	Mx	-.052	24
25	MP2A	X	110.112	72
26	MP2A	Z	-63.573	72
27	MP2A	Mx	-.052	72
28	MP3A	X	110.112	24
29	MP3A	Z	-63.573	24
30	MP3A	Mx	-.052	24
31	MP3A	X	110.112	72
32	MP3A	Z	-63.573	72
33	MP3A	Mx	-.052	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	10.326	12
2	MP2A	Z	0	12
3	MP2A	Mx	-.004	12
4	MP2A	X	10.326	12
5	MP2A	Z	0	12
6	MP2A	Mx	.004	12
7	MP1A	X	32.446	36
8	MP1A	Z	0	36
9	MP1A	Mx	-.016	36
10	MP1A	X	32.446	60
11	MP1A	Z	0	60
12	MP1A	Mx	-.016	60
13	MP3A	X	36.385	48
14	MP3A	Z	0	48
15	MP3A	Mx	.018	48
16	MP2A	X	29.812	48
17	MP2A	Z	0	48
18	MP2A	Mx	.015	48
19	OVP	X	124.125	15
20	OVP	Z	0	15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	OVP	Mx	0	15
22	MP2A	X	92.886	24
23	MP2A	Z	0	24
24	MP2A	Mx	-.046	24
25	MP2A	X	92.886	72
26	MP2A	Z	0	72
27	MP2A	Mx	-.046	72
28	MP3A	X	92.886	24
29	MP3A	Z	0	24
30	MP3A	Mx	-.046	24
31	MP3A	X	92.886	72
32	MP3A	Z	0	72
33	MP3A	Mx	-.046	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	12.395	12
2	MP2A	Z	7.156	12
3	MP2A	Mx	-.005	12
4	MP2A	X	12.395	12
5	MP2A	Z	7.156	12
6	MP2A	Mx	.005	12
7	MP1A	X	35.481	36
8	MP1A	Z	20.485	36
9	MP1A	Mx	-.019	36
10	MP1A	X	35.481	60
11	MP1A	Z	20.485	60
12	MP1A	Mx	-.019	60
13	MP3A	X	34.143	48
14	MP3A	Z	19.712	48
15	MP3A	Mx	.018	48
16	MP2A	X	29.432	48
17	MP2A	Z	16.992	48
18	MP2A	Mx	.015	48
19	OVP	X	114.11	15
20	OVP	Z	65.881	15
21	OVP	Mx	0	15
22	MP2A	X	96.229	24
23	MP2A	Z	55.558	24
24	MP2A	Mx	-.05	24
25	MP2A	X	96.229	72
26	MP2A	Z	55.558	72
27	MP2A	Mx	-.05	72
28	MP3A	X	96.229	24
29	MP3A	Z	55.558	24
30	MP3A	Mx	-.05	24
31	MP3A	X	96.229	72
32	MP3A	Z	55.558	72
33	MP3A	Mx	-.05	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	12.896	12
2	MP2A	Z	22.336	12
3	MP2A	Mx	-.006	12
4	MP2A	X	12.896	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP2A	Z	22.336	12
6	MP2A	Mx	.006	12
7	MP1A	X	32.756	36
8	MP1A	Z	56.736	36
9	MP1A	Mx	-.019	36
10	MP1A	X	32.756	60
11	MP1A	Z	56.736	60
12	MP1A	Mx	-.019	60
13	MP3A	X	24.089	48
14	MP3A	Z	41.723	48
15	MP3A	Mx	.014	48
16	MP2A	X	22.999	48
17	MP2A	Z	39.836	48
18	MP2A	Mx	.013	48
19	OVP	X	58.705	15
20	OVP	Z	101.679	15
21	OVP	Mx	0	15
22	MP2A	X	81.803	24
23	MP2A	Z	141.687	24
24	MP2A	Mx	-.047	24
25	MP2A	X	81.803	72
26	MP2A	Z	141.687	72
27	MP2A	Mx	-.047	72
28	MP3A	X	81.803	24
29	MP3A	Z	141.687	24
30	MP3A	Mx	-.047	24
31	MP3A	X	81.803	72
32	MP3A	Z	141.687	72
33	MP3A	Mx	-.047	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	12
2	MP2A	Z	33.284	12
3	MP2A	Mx	-.001	12
4	MP2A	X	0	12
5	MP2A	Z	33.284	12
6	MP2A	Mx	.001	12
7	MP1A	X	0	36
8	MP1A	Z	81.532	36
9	MP1A	Mx	-.004	36
10	MP1A	X	0	60
11	MP1A	Z	81.532	60
12	MP1A	Mx	-.004	60
13	MP3A	X	0	48
14	MP3A	Z	53.891	48
15	MP3A	Mx	.002	48
16	MP2A	X	0	48
17	MP2A	Z	53.841	48
18	MP2A	Mx	.002	48
19	OVP	X	0	15
20	OVP	Z	95.418	15
21	OVP	Mx	0	15
22	MP2A	X	0	24
23	MP2A	Z	197.866	24
24	MP2A	Mx	-.009	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP2A	X	0	72
26	MP2A	Z	197.866	72
27	MP2A	Mx	-.009	72
28	MP3A	X	0	24
29	MP3A	Z	197.866	24
30	MP3A	Mx	-.009	24
31	MP3A	X	0	72
32	MP3A	Z	197.866	72
33	MP3A	Mx	-.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-14.649	12
2	MP2A	Z	25.372	12
3	MP2A	Mx	.005	12
4	MP2A	X	-14.649	12
5	MP2A	Z	25.372	12
6	MP2A	Mx	-.005	12
7	MP1A	X	-36.504	36
8	MP1A	Z	63.227	36
9	MP1A	Mx	.015	36
10	MP1A	X	-36.504	60
11	MP1A	Z	63.227	60
12	MP1A	Mx	.015	60
13	MP3A	X	-25.425	48
14	MP3A	Z	44.038	48
15	MP3A	Mx	-.011	48
16	MP2A	X	-24.834	48
17	MP2A	Z	43.014	48
18	MP2A	Mx	-.01	48
19	OVP	X	-43.89	15
20	OVP	Z	76.02	15
21	OVP	Mx	0	15
22	MP2A	X	-89.818	24
23	MP2A	Z	155.57	24
24	MP2A	Mx	.038	24
25	MP2A	X	-89.818	72
26	MP2A	Z	155.57	72
27	MP2A	Mx	.038	72
28	MP3A	X	-89.818	24
29	MP3A	Z	155.57	24
30	MP3A	Mx	.038	24
31	MP3A	X	-89.818	72
32	MP3A	Z	155.57	72
33	MP3A	Mx	.038	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-15.431	12
2	MP2A	Z	8.909	12
3	MP2A	Mx	.006	12
4	MP2A	X	-15.431	12
5	MP2A	Z	8.909	12
6	MP2A	Mx	-.006	12
7	MP1A	X	-41.972	36
8	MP1A	Z	24.233	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1A	Mx	.02	36
10	MP1A	X	-41.972	60
11	MP1A	Z	24.233	60
12	MP1A	Mx	.02	60
13	MP3A	X	-36.458	48
14	MP3A	Z	21.049	48
15	MP3A	Mx	-.017	48
16	MP2A	X	-32.609	48
17	MP2A	Z	18.827	48
18	MP2A	Mx	-.015	48
19	OVP	X	-88.451	15
20	OVP	Z	51.067	15
21	OVP	Mx	0	15
22	MP2A	X	-110.112	24
23	MP2A	Z	63.573	24
24	MP2A	Mx	.052	24
25	MP2A	X	-110.112	72
26	MP2A	Z	63.573	72
27	MP2A	Mx	.052	72
28	MP3A	X	-110.112	24
29	MP3A	Z	63.573	24
30	MP3A	Mx	.052	24
31	MP3A	X	-110.112	72
32	MP3A	Z	63.573	72
33	MP3A	Mx	.052	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-10.326	12
2	MP2A	Z	0	12
3	MP2A	Mx	.004	12
4	MP2A	X	-10.326	12
5	MP2A	Z	0	12
6	MP2A	Mx	-.004	12
7	MP1A	X	-32.446	36
8	MP1A	Z	0	36
9	MP1A	Mx	.016	36
10	MP1A	X	-32.446	60
11	MP1A	Z	0	60
12	MP1A	Mx	.016	60
13	MP3A	X	-36.385	48
14	MP3A	Z	0	48
15	MP3A	Mx	-.018	48
16	MP2A	X	-29.812	48
17	MP2A	Z	0	48
18	MP2A	Mx	-.015	48
19	OVP	X	-124.125	15
20	OVP	Z	0	15
21	OVP	Mx	0	15
22	MP2A	X	-92.886	24
23	MP2A	Z	0	24
24	MP2A	Mx	.046	24
25	MP2A	X	-92.886	72
26	MP2A	Z	0	72
27	MP2A	Mx	.046	72
28	MP3A	X	-92.886	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP3A	Z	0	24
30	MP3A	Mx	.046	24
31	MP3A	X	-92.886	72
32	MP3A	Z	0	72
33	MP3A	Mx	.046	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-12.395	12
2	MP2A	Z	-7.156	12
3	MP2A	Mx	.005	12
4	MP2A	X	-12.395	12
5	MP2A	Z	-7.156	12
6	MP2A	Mx	-.005	12
7	MP1A	X	-35.481	36
8	MP1A	Z	-20.485	36
9	MP1A	Mx	.019	36
10	MP1A	X	-35.481	60
11	MP1A	Z	-20.485	60
12	MP1A	Mx	.019	60
13	MP3A	X	-34.143	48
14	MP3A	Z	-19.712	48
15	MP3A	Mx	-.018	48
16	MP2A	X	-29.432	48
17	MP2A	Z	-16.992	48
18	MP2A	Mx	-.015	48
19	OVP	X	-114.11	15
20	OVP	Z	-65.881	15
21	OVP	Mx	0	15
22	MP2A	X	-96.229	24
23	MP2A	Z	-55.558	24
24	MP2A	Mx	.05	24
25	MP2A	X	-96.229	72
26	MP2A	Z	-55.558	72
27	MP2A	Mx	.05	72
28	MP3A	X	-96.229	24
29	MP3A	Z	-55.558	24
30	MP3A	Mx	.05	24
31	MP3A	X	-96.229	72
32	MP3A	Z	-55.558	72
33	MP3A	Mx	.05	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-12.896	12
2	MP2A	Z	-22.336	12
3	MP2A	Mx	.006	12
4	MP2A	X	-12.896	12
5	MP2A	Z	-22.336	12
6	MP2A	Mx	-.006	12
7	MP1A	X	-32.756	36
8	MP1A	Z	-56.736	36
9	MP1A	Mx	.019	36
10	MP1A	X	-32.756	60
11	MP1A	Z	-56.736	60
12	MP1A	Mx	.019	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP3A	X	-24.089	48
14	MP3A	Z	-41.723	48
15	MP3A	Mx	-.014	48
16	MP2A	X	-22.999	48
17	MP2A	Z	-39.836	48
18	MP2A	Mx	-.013	48
19	OVP	X	-58.705	15
20	OVP	Z	-101.679	15
21	OVP	Mx	0	15
22	MP2A	X	-81.803	24
23	MP2A	Z	-141.687	24
24	MP2A	Mx	.047	24
25	MP2A	X	-81.803	72
26	MP2A	Z	-141.687	72
27	MP2A	Mx	.047	72
28	MP3A	X	-81.803	24
29	MP3A	Z	-141.687	24
30	MP3A	Mx	.047	24
31	MP3A	X	-81.803	72
32	MP3A	Z	-141.687	72
33	MP3A	Mx	.047	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	12
2	MP2A	Z	-6.803	12
3	MP2A	Mx	.000247	12
4	MP2A	X	0	12
5	MP2A	Z	-6.803	12
6	MP2A	Mx	-.000247	12
7	MP1A	X	0	36
8	MP1A	Z	-14.715	36
9	MP1A	Mx	.000641	36
10	MP1A	X	0	60
11	MP1A	Z	-14.715	60
12	MP1A	Mx	.000641	60
13	MP3A	X	0	48
14	MP3A	Z	-12.417	48
15	MP3A	Mx	-.000541	48
16	MP2A	X	0	48
17	MP2A	Z	-12.406	48
18	MP2A	Mx	-.000541	48
19	OVP	X	0	15
20	OVP	Z	-17.745	15
21	OVP	Mx	0	15
22	MP2A	X	0	24
23	MP2A	Z	-34.229	24
24	MP2A	Mx	.001	24
25	MP2A	X	0	72
26	MP2A	Z	-34.229	72
27	MP2A	Mx	.001	72
28	MP3A	X	0	24
29	MP3A	Z	-34.229	24
30	MP3A	Mx	.001	24
31	MP3A	X	0	72
32	MP3A	Z	-34.229	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP3A	Mx	.001	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	3.036	12
2	MP2A	Z	-5.259	12
3	MP2A	Mx	-.001	12
4	MP2A	X	3.036	12
5	MP2A	Z	-5.259	12
6	MP2A	Mx	.001	12
7	MP1A	X	6.631	36
8	MP1A	Z	-11.486	36
9	MP1A	Mx	-.003	36
10	MP1A	X	6.631	60
11	MP1A	Z	-11.486	60
12	MP1A	Mx	-.003	60
13	MP3A	X	5.884	48
14	MP3A	Z	-10.192	48
15	MP3A	Mx	.002	48
16	MP2A	X	5.755	48
17	MP2A	Z	-9.969	48
18	MP2A	Mx	.002	48
19	OVP	X	8.224	15
20	OVP	Z	-14.244	15
21	OVP	Mx	0	15
22	MP2A	X	15.625	24
23	MP2A	Z	-27.063	24
24	MP2A	Mx	-.007	24
25	MP2A	X	15.625	72
26	MP2A	Z	-27.063	72
27	MP2A	Mx	-.007	72
28	MP3A	X	15.625	24
29	MP3A	Z	-27.063	24
30	MP3A	Mx	-.007	24
31	MP3A	X	15.625	72
32	MP3A	Z	-27.063	72
33	MP3A	Mx	-.007	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	3.439	12
2	MP2A	Z	-1.986	12
3	MP2A	Mx	-.001	12
4	MP2A	X	3.439	12
5	MP2A	Z	-1.986	12
6	MP2A	Mx	.001	12
7	MP1A	X	7.865	36
8	MP1A	Z	-4.541	36
9	MP1A	Mx	-.004	36
10	MP1A	X	7.865	60
11	MP1A	Z	-4.541	60
12	MP1A	Mx	-.004	60
13	MP3A	X	8.574	48
14	MP3A	Z	-4.95	48
15	MP3A	Mx	.004	48
16	MP2A	X	7.736	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	-4.466	48
18	MP2A	Mx	.004	48
19	OVP	X	16.356	15
20	OVP	Z	-9.443	15
21	OVP	Mx	0	15
22	MP2A	X	19.631	24
23	MP2A	Z	-11.334	24
24	MP2A	Mx	-.009	24
25	MP2A	X	19.631	72
26	MP2A	Z	-11.334	72
27	MP2A	Mx	-.009	72
28	MP3A	X	19.631	24
29	MP3A	Z	-11.334	24
30	MP3A	Mx	-.009	24
31	MP3A	X	19.631	72
32	MP3A	Z	-11.334	72
33	MP3A	Mx	-.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.6	12
2	MP2A	Z	0	12
3	MP2A	Mx	-.001	12
4	MP2A	X	2.6	12
5	MP2A	Z	0	12
6	MP2A	Mx	.001	12
7	MP1A	X	6.352	36
8	MP1A	Z	0	36
9	MP1A	Mx	-.003	36
10	MP1A	X	6.352	60
11	MP1A	Z	0	60
12	MP1A	Mx	-.003	60
13	MP3A	X	8.681	48
14	MP3A	Z	0	48
15	MP3A	Mx	.004	48
16	MP2A	X	7.25	48
17	MP2A	Z	0	48
18	MP2A	Mx	.004	48
19	OVP	X	22.621	15
20	OVP	Z	0	15
21	OVP	Mx	0	15
22	MP2A	X	17.067	24
23	MP2A	Z	0	24
24	MP2A	Mx	-.009	24
25	MP2A	X	17.067	72
26	MP2A	Z	0	72
27	MP2A	Mx	-.009	72
28	MP3A	X	17.067	24
29	MP3A	Z	0	24
30	MP3A	Mx	-.009	24
31	MP3A	X	17.067	72
32	MP3A	Z	0	72
33	MP3A	Mx	-.009	72

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.883	12
2	MP2A	Z	1.665	12
3	MP2A	Mx	-.001	12
4	MP2A	X	2.883	12
5	MP2A	Z	1.665	12
6	MP2A	Mx	.001	12
7	MP1A	X	6.759	36
8	MP1A	Z	3.902	36
9	MP1A	Mx	-.004	36
10	MP1A	X	6.759	60
11	MP1A	Z	3.902	60
12	MP1A	Mx	-.004	60
13	MP3A	X	8.08	48
14	MP3A	Z	4.665	48
15	MP3A	Mx	.004	48
16	MP2A	X	7.054	48
17	MP2A	Z	4.073	48
18	MP2A	Mx	.004	48
19	OVP	X	20.714	15
20	OVP	Z	11.959	15
21	OVP	Mx	0	15
22	MP2A	X	17.361	24
23	MP2A	Z	10.024	24
24	MP2A	Mx	-.009	24
25	MP2A	X	17.361	72
26	MP2A	Z	10.024	72
27	MP2A	Mx	-.009	72
28	MP3A	X	17.361	24
29	MP3A	Z	10.024	24
30	MP3A	Mx	-.009	24
31	MP3A	X	17.361	72
32	MP3A	Z	10.024	72
33	MP3A	Mx	-.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.715	12
2	MP2A	Z	4.703	12
3	MP2A	Mx	-.001	12
4	MP2A	X	2.715	12
5	MP2A	Z	4.703	12
6	MP2A	Mx	.001	12
7	MP1A	X	5.993	36
8	MP1A	Z	10.38	36
9	MP1A	Mx	-.003	36
10	MP1A	X	5.993	60
11	MP1A	Z	10.38	60
12	MP1A	Mx	-.003	60
13	MP3A	X	5.599	48
14	MP3A	Z	9.698	48
15	MP3A	Mx	.003	48
16	MP2A	X	5.362	48
17	MP2A	Z	9.287	48
18	MP2A	Mx	.003	48
19	OVP	X	10.74	15
20	OVP	Z	18.602	15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	OVP	Mx	0	15
22	MP2A	X	14.314	24
23	MP2A	Z	24.793	24
24	MP2A	Mx	-.008	24
25	MP2A	X	14.314	72
26	MP2A	Z	24.793	72
27	MP2A	Mx	-.008	72
28	MP3A	X	14.314	24
29	MP3A	Z	24.793	24
30	MP3A	Mx	-.008	24
31	MP3A	X	14.314	72
32	MP3A	Z	24.793	72
33	MP3A	Mx	-.008	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	12
2	MP2A	Z	6.803	12
3	MP2A	Mx	-.000247	12
4	MP2A	X	0	12
5	MP2A	Z	6.803	12
6	MP2A	Mx	.000247	12
7	MP1A	X	0	36
8	MP1A	Z	14.715	36
9	MP1A	Mx	-.000641	36
10	MP1A	X	0	60
11	MP1A	Z	14.715	60
12	MP1A	Mx	-.000641	60
13	MP3A	X	0	48
14	MP3A	Z	12.417	48
15	MP3A	Mx	.000541	48
16	MP2A	X	0	48
17	MP2A	Z	12.406	48
18	MP2A	Mx	.000541	48
19	OVP	X	0	15
20	OVP	Z	17.745	15
21	OVP	Mx	0	15
22	MP2A	X	0	24
23	MP2A	Z	34.229	24
24	MP2A	Mx	-.001	24
25	MP2A	X	0	72
26	MP2A	Z	34.229	72
27	MP2A	Mx	-.001	72
28	MP3A	X	0	24
29	MP3A	Z	34.229	24
30	MP3A	Mx	-.001	24
31	MP3A	X	0	72
32	MP3A	Z	34.229	72
33	MP3A	Mx	-.001	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-3.036	12
2	MP2A	Z	5.259	12
3	MP2A	Mx	.001	12
4	MP2A	X	-3.036	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP2A	Z	5.259	12
6	MP2A	Mx	-.001	12
7	MP1A	X	-6.631	36
8	MP1A	Z	11.486	36
9	MP1A	Mx	.003	36
10	MP1A	X	-6.631	60
11	MP1A	Z	11.486	60
12	MP1A	Mx	.003	60
13	MP3A	X	-5.884	48
14	MP3A	Z	10.192	48
15	MP3A	Mx	-.002	48
16	MP2A	X	-5.755	48
17	MP2A	Z	9.969	48
18	MP2A	Mx	-.002	48
19	OVP	X	-8.224	15
20	OVP	Z	14.244	15
21	OVP	Mx	0	15
22	MP2A	X	-15.625	24
23	MP2A	Z	27.063	24
24	MP2A	Mx	.007	24
25	MP2A	X	-15.625	72
26	MP2A	Z	27.063	72
27	MP2A	Mx	.007	72
28	MP3A	X	-15.625	24
29	MP3A	Z	27.063	24
30	MP3A	Mx	.007	24
31	MP3A	X	-15.625	72
32	MP3A	Z	27.063	72
33	MP3A	Mx	.007	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-3.439	12
2	MP2A	Z	1.986	12
3	MP2A	Mx	.001	12
4	MP2A	X	-3.439	12
5	MP2A	Z	1.986	12
6	MP2A	Mx	-.001	12
7	MP1A	X	-7.865	36
8	MP1A	Z	4.541	36
9	MP1A	Mx	.004	36
10	MP1A	X	-7.865	60
11	MP1A	Z	4.541	60
12	MP1A	Mx	.004	60
13	MP3A	X	-8.574	48
14	MP3A	Z	4.95	48
15	MP3A	Mx	-.004	48
16	MP2A	X	-7.736	48
17	MP2A	Z	4.466	48
18	MP2A	Mx	-.004	48
19	OVP	X	-16.356	15
20	OVP	Z	9.443	15
21	OVP	Mx	0	15
22	MP2A	X	-19.631	24
23	MP2A	Z	11.334	24
24	MP2A	Mx	.009	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP2A	X	-19.631	72
26	MP2A	Z	11.334	72
27	MP2A	Mx	.009	72
28	MP3A	X	-19.631	24
29	MP3A	Z	11.334	24
30	MP3A	Mx	.009	24
31	MP3A	X	-19.631	72
32	MP3A	Z	11.334	72
33	MP3A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.6	12
2	MP2A	Z	0	12
3	MP2A	Mx	.001	12
4	MP2A	X	-2.6	12
5	MP2A	Z	0	12
6	MP2A	Mx	-.001	12
7	MP1A	X	-6.352	36
8	MP1A	Z	0	36
9	MP1A	Mx	.003	36
10	MP1A	X	-6.352	60
11	MP1A	Z	0	60
12	MP1A	Mx	.003	60
13	MP3A	X	-8.681	48
14	MP3A	Z	0	48
15	MP3A	Mx	-.004	48
16	MP2A	X	-7.25	48
17	MP2A	Z	0	48
18	MP2A	Mx	-.004	48
19	OVP	X	-22.621	15
20	OVP	Z	0	15
21	OVP	Mx	0	15
22	MP2A	X	-17.067	24
23	MP2A	Z	0	24
24	MP2A	Mx	.009	24
25	MP2A	X	-17.067	72
26	MP2A	Z	0	72
27	MP2A	Mx	.009	72
28	MP3A	X	-17.067	24
29	MP3A	Z	0	24
30	MP3A	Mx	.009	24
31	MP3A	X	-17.067	72
32	MP3A	Z	0	72
33	MP3A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.883	12
2	MP2A	Z	-1.665	12
3	MP2A	Mx	.001	12
4	MP2A	X	-2.883	12
5	MP2A	Z	-1.665	12
6	MP2A	Mx	-.001	12
7	MP1A	X	-6.759	36
8	MP1A	Z	-3.902	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1A	Mx	.004	36
10	MP1A	X	-6.759	60
11	MP1A	Z	-3.902	60
12	MP1A	Mx	.004	60
13	MP3A	X	-8.08	48
14	MP3A	Z	-4.665	48
15	MP3A	Mx	-.004	48
16	MP2A	X	-7.054	48
17	MP2A	Z	-4.073	48
18	MP2A	Mx	-.004	48
19	OVP	X	-20.714	15
20	OVP	Z	-11.959	15
21	OVP	Mx	0	15
22	MP2A	X	-17.361	24
23	MP2A	Z	-10.024	24
24	MP2A	Mx	.009	24
25	MP2A	X	-17.361	72
26	MP2A	Z	-10.024	72
27	MP2A	Mx	.009	72
28	MP3A	X	-17.361	24
29	MP3A	Z	-10.024	24
30	MP3A	Mx	.009	24
31	MP3A	X	-17.361	72
32	MP3A	Z	-10.024	72
33	MP3A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.715	12
2	MP2A	Z	-4.703	12
3	MP2A	Mx	.001	12
4	MP2A	X	-2.715	12
5	MP2A	Z	-4.703	12
6	MP2A	Mx	-.001	12
7	MP1A	X	-5.993	36
8	MP1A	Z	-10.38	36
9	MP1A	Mx	.003	36
10	MP1A	X	-5.993	60
11	MP1A	Z	-10.38	60
12	MP1A	Mx	.003	60
13	MP3A	X	-5.599	48
14	MP3A	Z	-9.698	48
15	MP3A	Mx	-.003	48
16	MP2A	X	-5.362	48
17	MP2A	Z	-9.287	48
18	MP2A	Mx	-.003	48
19	OVP	X	-10.74	15
20	OVP	Z	-18.602	15
21	OVP	Mx	0	15
22	MP2A	X	-14.314	24
23	MP2A	Z	-24.793	24
24	MP2A	Mx	.008	24
25	MP2A	X	-14.314	72
26	MP2A	Z	-24.793	72
27	MP2A	Mx	.008	72
28	MP3A	X	-14.314	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP3A	Z	-24.793	24
30	MP3A	Mx	.008	24
31	MP3A	X	-14.314	72
32	MP3A	Z	-24.793	72
33	MP3A	Mx	.008	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	12
2	MP2A	Z	-1.917	12
3	MP2A	Mx	7e-5	12
4	MP2A	X	0	12
5	MP2A	Z	-1.917	12
6	MP2A	Mx	-7e-5	12
7	MP1A	X	0	36
8	MP1A	Z	-4.696	36
9	MP1A	Mx	.000205	36
10	MP1A	X	0	60
11	MP1A	Z	-4.696	60
12	MP1A	Mx	.000205	60
13	MP3A	X	0	48
14	MP3A	Z	-3.104	48
15	MP3A	Mx	-.000135	48
16	MP2A	X	0	48
17	MP2A	Z	-3.101	48
18	MP2A	Mx	-.000135	48
19	OVP	X	0	15
20	OVP	Z	-5.496	15
21	OVP	Mx	0	15
22	MP2A	X	0	24
23	MP2A	Z	-11.397	24
24	MP2A	Mx	.000497	24
25	MP2A	X	0	72
26	MP2A	Z	-11.397	72
27	MP2A	Mx	.000497	72
28	MP3A	X	0	24
29	MP3A	Z	-11.397	24
30	MP3A	Mx	.000497	24
31	MP3A	X	0	72
32	MP3A	Z	-11.397	72
33	MP3A	Mx	.000497	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	.844	12
2	MP2A	Z	-1.461	12
3	MP2A	Mx	-.000297	12
4	MP2A	X	.844	12
5	MP2A	Z	-1.461	12
6	MP2A	Mx	.000297	12
7	MP1A	X	2.103	36
8	MP1A	Z	-3.642	36
9	MP1A	Mx	-.000889	36
10	MP1A	X	2.103	60
11	MP1A	Z	-3.642	60
12	MP1A	Mx	-.000889	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP3A	X	1.465	48
14	MP3A	Z	-2.537	48
15	MP3A	Mx	.000619	48
16	MP2A	X	1.43	48
17	MP2A	Z	-2.478	48
18	MP2A	Mx	.000604	48
19	OVP	X	2.528	15
20	OVP	Z	-4.379	15
21	OVP	Mx	0	15
22	MP2A	X	5.174	24
23	MP2A	Z	-8.961	24
24	MP2A	Mx	-.002	24
25	MP2A	X	5.174	72
26	MP2A	Z	-8.961	72
27	MP2A	Mx	-.002	72
28	MP3A	X	5.174	24
29	MP3A	Z	-8.961	24
30	MP3A	Mx	-.002	24
31	MP3A	X	5.174	72
32	MP3A	Z	-8.961	72
33	MP3A	Mx	-.002	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	.889	12
2	MP2A	Z	-.513	12
3	MP2A	Mx	-.00035	12
4	MP2A	X	.889	12
5	MP2A	Z	-.513	12
6	MP2A	Mx	.00035	12
7	MP1A	X	2.418	36
8	MP1A	Z	-1.396	36
9	MP1A	Mx	-.001	36
10	MP1A	X	2.418	60
11	MP1A	Z	-1.396	60
12	MP1A	Mx	-.001	60
13	MP3A	X	2.1	48
14	MP3A	Z	-1.212	48
15	MP3A	Mx	.000993	48
16	MP2A	X	1.878	48
17	MP2A	Z	-1.084	48
18	MP2A	Mx	.000888	48
19	OVP	X	5.095	15
20	OVP	Z	-2.941	15
21	OVP	Mx	0	15
22	MP2A	X	6.342	24
23	MP2A	Z	-3.662	24
24	MP2A	Mx	-.003	24
25	MP2A	X	6.342	72
26	MP2A	Z	-3.662	72
27	MP2A	Mx	-.003	72
28	MP3A	X	6.342	24
29	MP3A	Z	-3.662	24
30	MP3A	Mx	-.003	24
31	MP3A	X	6.342	72
32	MP3A	Z	-3.662	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP3A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	.595	12
2	MP2A	Z	0	12
3	MP2A	Mx	-.000247	12
4	MP2A	X	.595	12
5	MP2A	Z	0	12
6	MP2A	Mx	.000247	12
7	MP1A	X	1.869	36
8	MP1A	Z	0	36
9	MP1A	Mx	-.000931	36
10	MP1A	X	1.869	60
11	MP1A	Z	0	60
12	MP1A	Mx	-.000931	60
13	MP3A	X	2.096	48
14	MP3A	Z	0	48
15	MP3A	Mx	.001	48
16	MP2A	X	1.717	48
17	MP2A	Z	0	48
18	MP2A	Mx	.000855	48
19	OVP	X	7.15	15
20	OVP	Z	0	15
21	OVP	Mx	0	15
22	MP2A	X	5.35	24
23	MP2A	Z	0	24
24	MP2A	Mx	-.003	24
25	MP2A	X	5.35	72
26	MP2A	Z	0	72
27	MP2A	Mx	-.003	72
28	MP3A	X	5.35	24
29	MP3A	Z	0	24
30	MP3A	Mx	-.003	24
31	MP3A	X	5.35	72
32	MP3A	Z	0	72
33	MP3A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	.714	12
2	MP2A	Z	.412	12
3	MP2A	Mx	-.000311	12
4	MP2A	X	.714	12
5	MP2A	Z	.412	12
6	MP2A	Mx	.000311	12
7	MP1A	X	2.044	36
8	MP1A	Z	1.18	36
9	MP1A	Mx	-.001	36
10	MP1A	X	2.044	60
11	MP1A	Z	1.18	60
12	MP1A	Mx	-.001	60
13	MP3A	X	1.967	48
14	MP3A	Z	1.135	48
15	MP3A	Mx	.001	48
16	MP2A	X	1.695	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	.979	48
18	MP2A	Mx	.000887	48
19	OVP	X	6.573	15
20	OVP	Z	3.795	15
21	OVP	Mx	0	15
22	MP2A	X	5.543	24
23	MP2A	Z	3.2	24
24	MP2A	Mx	-.003	24
25	MP2A	X	5.543	72
26	MP2A	Z	3.2	72
27	MP2A	Mx	-.003	72
28	MP3A	X	5.543	24
29	MP3A	Z	3.2	24
30	MP3A	Mx	-.003	24
31	MP3A	X	5.543	72
32	MP3A	Z	3.2	72
33	MP3A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	.743	12
2	MP2A	Z	1.287	12
3	MP2A	Mx	-.000355	12
4	MP2A	X	.743	12
5	MP2A	Z	1.287	12
6	MP2A	Mx	.000355	12
7	MP1A	X	1.887	36
8	MP1A	Z	3.268	36
9	MP1A	Mx	-.001	36
10	MP1A	X	1.887	60
11	MP1A	Z	3.268	60
12	MP1A	Mx	-.001	60
13	MP3A	X	1.388	48
14	MP3A	Z	2.403	48
15	MP3A	Mx	.000796	48
16	MP2A	X	1.325	48
17	MP2A	Z	2.295	48
18	MP2A	Mx	.00076	48
19	OVP	X	3.381	15
20	OVP	Z	5.857	15
21	OVP	Mx	0	15
22	MP2A	X	4.712	24
23	MP2A	Z	8.161	24
24	MP2A	Mx	-.003	24
25	MP2A	X	4.712	72
26	MP2A	Z	8.161	72
27	MP2A	Mx	-.003	72
28	MP3A	X	4.712	24
29	MP3A	Z	8.161	24
30	MP3A	Mx	-.003	24
31	MP3A	X	4.712	72
32	MP3A	Z	8.161	72
33	MP3A	Mx	-.003	72

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	12
2	MP2A	Z	1.917	12
3	MP2A	Mx	-7e-5	12
4	MP2A	X	0	12
5	MP2A	Z	1.917	12
6	MP2A	Mx	7e-5	12
7	MP1A	X	0	36
8	MP1A	Z	4.696	36
9	MP1A	Mx	-.000205	36
10	MP1A	X	0	60
11	MP1A	Z	4.696	60
12	MP1A	Mx	-.000205	60
13	MP3A	X	0	48
14	MP3A	Z	3.104	48
15	MP3A	Mx	.000135	48
16	MP2A	X	0	48
17	MP2A	Z	3.101	48
18	MP2A	Mx	.000135	48
19	OVP	X	0	15
20	OVP	Z	5.496	15
21	OVP	Mx	0	15
22	MP2A	X	0	24
23	MP2A	Z	11.397	24
24	MP2A	Mx	-.000497	24
25	MP2A	X	0	72
26	MP2A	Z	11.397	72
27	MP2A	Mx	-.000497	72
28	MP3A	X	0	24
29	MP3A	Z	11.397	24
30	MP3A	Mx	-.000497	24
31	MP3A	X	0	72
32	MP3A	Z	11.397	72
33	MP3A	Mx	-.000497	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-.844	12
2	MP2A	Z	1.461	12
3	MP2A	Mx	.000297	12
4	MP2A	X	-.844	12
5	MP2A	Z	1.461	12
6	MP2A	Mx	-.000297	12
7	MP1A	X	-2.103	36
8	MP1A	Z	3.642	36
9	MP1A	Mx	.000889	36
10	MP1A	X	-2.103	60
11	MP1A	Z	3.642	60
12	MP1A	Mx	.000889	60
13	MP3A	X	-1.465	48
14	MP3A	Z	2.537	48
15	MP3A	Mx	-.000619	48
16	MP2A	X	-1.43	48
17	MP2A	Z	2.478	48
18	MP2A	Mx	-.000604	48
19	OVP	X	-2.528	15
20	OVP	Z	4.379	15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	OVP	Mx	0	15
22	MP2A	X	-5.174	24
23	MP2A	Z	8.961	24
24	MP2A	Mx	.002	24
25	MP2A	X	-5.174	72
26	MP2A	Z	8.961	72
27	MP2A	Mx	.002	72
28	MP3A	X	-5.174	24
29	MP3A	Z	8.961	24
30	MP3A	Mx	.002	24
31	MP3A	X	-5.174	72
32	MP3A	Z	8.961	72
33	MP3A	Mx	.002	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-.889	12
2	MP2A	Z	.513	12
3	MP2A	Mx	.00035	12
4	MP2A	X	-.889	12
5	MP2A	Z	.513	12
6	MP2A	Mx	-.00035	12
7	MP1A	X	-2.418	36
8	MP1A	Z	1.396	36
9	MP1A	Mx	.001	36
10	MP1A	X	-2.418	60
11	MP1A	Z	1.396	60
12	MP1A	Mx	.001	60
13	MP3A	X	-2.1	48
14	MP3A	Z	1.212	48
15	MP3A	Mx	-.000993	48
16	MP2A	X	-1.878	48
17	MP2A	Z	1.084	48
18	MP2A	Mx	-.000888	48
19	OVP	X	-5.095	15
20	OVP	Z	2.941	15
21	OVP	Mx	0	15
22	MP2A	X	-6.342	24
23	MP2A	Z	3.662	24
24	MP2A	Mx	.003	24
25	MP2A	X	-6.342	72
26	MP2A	Z	3.662	72
27	MP2A	Mx	.003	72
28	MP3A	X	-6.342	24
29	MP3A	Z	3.662	24
30	MP3A	Mx	.003	24
31	MP3A	X	-6.342	72
32	MP3A	Z	3.662	72
33	MP3A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-.595	12
2	MP2A	Z	0	12
3	MP2A	Mx	.000247	12
4	MP2A	X	-.595	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP2A	Z	0	12
6	MP2A	Mx	-.000247	12
7	MP1A	X	-1.869	36
8	MP1A	Z	0	36
9	MP1A	Mx	.000931	36
10	MP1A	X	-1.869	60
11	MP1A	Z	0	60
12	MP1A	Mx	.000931	60
13	MP3A	X	-2.096	48
14	MP3A	Z	0	48
15	MP3A	Mx	-.001	48
16	MP2A	X	-1.717	48
17	MP2A	Z	0	48
18	MP2A	Mx	-.000855	48
19	OVP	X	-7.15	15
20	OVP	Z	0	15
21	OVP	Mx	0	15
22	MP2A	X	-5.35	24
23	MP2A	Z	0	24
24	MP2A	Mx	.003	24
25	MP2A	X	-5.35	72
26	MP2A	Z	0	72
27	MP2A	Mx	.003	72
28	MP3A	X	-5.35	24
29	MP3A	Z	0	24
30	MP3A	Mx	.003	24
31	MP3A	X	-5.35	72
32	MP3A	Z	0	72
33	MP3A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-.714	12
2	MP2A	Z	-.412	12
3	MP2A	Mx	.000311	12
4	MP2A	X	-.714	12
5	MP2A	Z	-.412	12
6	MP2A	Mx	-.000311	12
7	MP1A	X	-2.044	36
8	MP1A	Z	-1.18	36
9	MP1A	Mx	.001	36
10	MP1A	X	-2.044	60
11	MP1A	Z	-1.18	60
12	MP1A	Mx	.001	60
13	MP3A	X	-1.967	48
14	MP3A	Z	-1.135	48
15	MP3A	Mx	-.001	48
16	MP2A	X	-1.695	48
17	MP2A	Z	-.979	48
18	MP2A	Mx	-.000887	48
19	OVP	X	-6.573	15
20	OVP	Z	-3.795	15
21	OVP	Mx	0	15
22	MP2A	X	-5.543	24
23	MP2A	Z	-3.2	24
24	MP2A	Mx	.003	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP2A	X	-5.543	72
26	MP2A	Z	-3.2	72
27	MP2A	Mx	.003	72
28	MP3A	X	-5.543	24
29	MP3A	Z	-3.2	24
30	MP3A	Mx	.003	24
31	MP3A	X	-5.543	72
32	MP3A	Z	-3.2	72
33	MP3A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-.743	12
2	MP2A	Z	-1.287	12
3	MP2A	Mx	.000355	12
4	MP2A	X	-.743	12
5	MP2A	Z	-1.287	12
6	MP2A	Mx	-.000355	12
7	MP1A	X	-1.887	36
8	MP1A	Z	-3.268	36
9	MP1A	Mx	.001	36
10	MP1A	X	-1.887	60
11	MP1A	Z	-3.268	60
12	MP1A	Mx	.001	60
13	MP3A	X	-1.388	48
14	MP3A	Z	-2.403	48
15	MP3A	Mx	-.000796	48
16	MP2A	X	-1.325	48
17	MP2A	Z	-2.295	48
18	MP2A	Mx	-.00076	48
19	OVP	X	-3.381	15
20	OVP	Z	-5.857	15
21	OVP	Mx	0	15
22	MP2A	X	-4.712	24
23	MP2A	Z	-8.161	24
24	MP2A	Mx	.003	24
25	MP2A	X	-4.712	72
26	MP2A	Z	-8.161	72
27	MP2A	Mx	.003	72
28	MP3A	X	-4.712	24
29	MP3A	Z	-8.161	24
30	MP3A	Mx	.003	24
31	MP3A	X	-4.712	72
32	MP3A	Z	-8.161	72
33	MP3A	Mx	.003	72

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	LIVE2	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	LIVE1	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	FACE	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	0	12
2	MP2A	My	0	12
3	MP2A	Mz	0	12
4	MP2A	Y	0	12
5	MP2A	My	0	12
6	MP2A	Mz	0	12
7	MP1A	Y	0	36
8	MP1A	My	0	36
9	MP1A	Mz	0	36
10	MP1A	Y	0	60
11	MP1A	My	0	60
12	MP1A	Mz	0	60
13	MP3A	Y	0	48
14	MP3A	My	0	48
15	MP3A	Mz	0	48
16	MP2A	Y	0	48
17	MP2A	My	0	48
18	MP2A	Mz	0	48
19	OVP	Y	0	15
20	OVP	My	0	15
21	OVP	Mz	0	15
22	MP2A	Y	0	24
23	MP2A	My	0	24
24	MP2A	Mz	0	24
25	MP2A	Y	0	72
26	MP2A	My	0	72
27	MP2A	Mz	0	72
28	MP3A	Y	0	24
29	MP3A	My	0	24
30	MP3A	Mz	0	24
31	MP3A	Y	0	72
32	MP3A	My	0	72
33	MP3A	Mz	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Z	-.528	12
2	MP2A	Mx	1.9e-5	12
3	MP2A	Z	-.528	12
4	MP2A	Mx	-1.9e-5	12
5	MP1A	Z	-1.306	36
6	MP1A	Mx	5.7e-5	36
7	MP1A	Z	-1.306	60
8	MP1A	Mx	5.7e-5	60
9	MP3A	Z	-2.532	48
10	MP3A	Mx	-.00011	48
11	MP2A	Z	-2.109	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
12	MP2A	Mx	-9.2e-5	48
13	OVP	Z	-.96	15
14	OVP	Mx	0	15
15	MP2A	Z	-.966	24
16	MP2A	Mx	4.2e-5	24
17	MP2A	Z	-.966	72
18	MP2A	Mx	4.2e-5	72
19	MP3A	Z	-.966	24
20	MP3A	Mx	4.2e-5	24
21	MP3A	Z	-.966	72
22	MP3A	Mx	4.2e-5	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	.528	12
2	MP2A	Mx	-.000219	12
3	MP2A	X	.528	12
4	MP2A	Mx	.000219	12
5	MP1A	X	1.306	36
6	MP1A	Mx	-.000651	36
7	MP1A	X	1.306	60
8	MP1A	Mx	-.000651	60
9	MP3A	X	2.532	48
10	MP3A	Mx	.001	48
11	MP2A	X	2.109	48
12	MP2A	Mx	.001	48
13	OVP	X	.96	15
14	OVP	Mx	0	15
15	MP2A	X	.966	24
16	MP2A	Mx	-.000481	24
17	MP2A	X	.966	72
18	MP2A	Mx	-.000481	72
19	MP3A	X	.966	24
20	MP3A	Mx	-.000481	24
21	MP3A	X	.966	72
22	MP3A	Mx	-.000481	72

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	FACE	Y	-5.572	-5.572	0	%100
2	M2	Y	-5.572	-5.572	0	%100
3	M13	Y	-6.517	-6.517	0	%100
4	M14	Y	-6.517	-6.517	0	%100
5	M15	Y	-6.517	-6.517	0	%100
6	M16	Y	-6.517	-6.517	0	%100
7	OVP	Y	-4.878	-4.878	0	%100
8	M18	Y	-4.878	-4.878	0	%100
9	M19	Y	-4.878	-4.878	0	%100
10	M20	Y	-4.878	-4.878	0	%100
11	M21	Y	-6.517	-6.517	0	%100
12	M22	Y	-6.517	-6.517	0	%100
13	M23	Y	-6.517	-6.517	0	%100
14	M24	Y	-6.517	-6.517	0	%100
15	M25	Y	-2.621	-2.621	0	%100
16	M26	Y	-2.621	-2.621	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
17	M27	Y	-2.621	-2.621	0	%100
18	M28	Y	-2.621	-2.621	0	%100
19	M32	Y	-4.878	-4.878	0	%100
20	MP1A	Y	-4.878	-4.878	0	%100
21	M44	Y	-2.447	-2.447	0	%100
22	M45	Y	-2.447	-2.447	0	%100
23	M46	Y	-2.447	-2.447	0	%100
24	M47	Y	-2.447	-2.447	0	%100
25	MP2A	Y	-4.878	-4.878	0	%100
26	MP3A	Y	-4.878	-4.878	0	%100
27	MP4A	Y	-4.878	-4.878	0	%100
28	MP5A	Y	-4.878	-4.878	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	-10.021	-10.021	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-10.021	-10.021	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	-3.956	-3.956	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-3.956	-3.956	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-3.956	-3.956	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-3.956	-3.956	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-2.178	-2.178	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-2.178	-2.178	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-2.178	-2.178	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-2.178	-2.178	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-2.256	-2.256	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-2.256	-2.256	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-2.256	-2.256	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-2.256	-2.256	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-2.968	-2.968	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-8.278	-8.278	0	%100
41	M44	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[in,%]	End Location[in,%]
42	M44	Z	-2.178	-2.178	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-2.178	-2.178	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-2.178	-2.178	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-2.178	-2.178	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-8.278	-8.278	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-8.278	-8.278	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-8.278	-8.278	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	-8.278	-8.278	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[in,%]	End Location[in,%]
1	FACE	X	3.758	3.758	0	%100
2	FACE	Z	-6.509	-6.509	0	%100
3	M2	X	3.758	3.758	0	%100
4	M2	Z	-6.509	-6.509	0	%100
5	M13	X	.272	.272	0	%100
6	M13	Z	-.472	-.472	0	%100
7	M14	X	.272	.272	0	%100
8	M14	Z	-.472	-.472	0	%100
9	M15	X	.272	.272	0	%100
10	M15	Z	-.472	-.472	0	%100
11	M16	X	.272	.272	0	%100
12	M16	Z	-.472	-.472	0	%100
13	OVP	X	.445	.445	0	%100
14	OVP	Z	-.771	-.771	0	%100
15	M18	X	.445	.445	0	%100
16	M18	Z	-.771	-.771	0	%100
17	M19	X	3.128	3.128	0	%100
18	M19	Z	-5.419	-5.419	0	%100
19	M20	X	3.128	3.128	0	%100
20	M20	Z	-5.419	-5.419	0	%100
21	M21	X	.817	.817	0	%100
22	M21	Z	-1.415	-1.415	0	%100
23	M22	X	.817	.817	0	%100
24	M22	Z	-1.415	-1.415	0	%100
25	M23	X	.817	.817	0	%100
26	M23	Z	-1.415	-1.415	0	%100
27	M24	X	.817	.817	0	%100
28	M24	Z	-1.415	-1.415	0	%100
29	M25	X	.902	.902	0	%100
30	M25	Z	-1.562	-1.562	0	%100
31	M26	X	.902	.902	0	%100
32	M26	Z	-1.562	-1.562	0	%100
33	M27	X	1.298	1.298	0	%100
34	M27	Z	-2.248	-2.248	0	%100
35	M28	X	1.298	1.298	0	%100
36	M28	Z	-2.248	-2.248	0	%100
37	M32	X	.058	.058	0	%100
38	M32	Z	-.1	-.1	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[in,%]	End Location[in,%]
39	MP1A	X	4.139	4.139	0	%100
40	MP1A	Z	-7.169	-7.169	0	%100
41	M44	X	1.089	1.089	0	%100
42	M44	Z	-1.887	-1.887	0	%100
43	M45	X	1.089	1.089	0	%100
44	M45	Z	-1.887	-1.887	0	%100
45	M46	X	1.089	1.089	0	%100
46	M46	Z	-1.887	-1.887	0	%100
47	M47	X	1.089	1.089	0	%100
48	M47	Z	-1.887	-1.887	0	%100
49	MP2A	X	4.139	4.139	0	%100
50	MP2A	Z	-7.169	-7.169	0	%100
51	MP3A	X	4.139	4.139	0	%100
52	MP3A	Z	-7.169	-7.169	0	%100
53	MP4A	X	4.139	4.139	0	%100
54	MP4A	Z	-7.169	-7.169	0	%100
55	MP5A	X	4.139	4.139	0	%100
56	MP5A	Z	-7.169	-7.169	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[in,%]	End Location[in,%]
1	FACE	X	2.17	2.17	0	%100
2	FACE	Z	-1.253	-1.253	0	%100
3	M2	X	2.17	2.17	0	%100
4	M2	Z	-1.253	-1.253	0	%100
5	M13	X	1.415	1.415	0	%100
6	M13	Z	-.817	-.817	0	%100
7	M14	X	1.415	1.415	0	%100
8	M14	Z	-.817	-.817	0	%100
9	M15	X	1.415	1.415	0	%100
10	M15	Z	-.817	-.817	0	%100
11	M16	X	1.415	1.415	0	%100
12	M16	Z	-.817	-.817	0	%100
13	OVP	X	.109	.109	0	%100
14	OVP	Z	-.063	-.063	0	%100
15	M18	X	.109	.109	0	%100
16	M18	Z	-.063	-.063	0	%100
17	M19	X	4.756	4.756	0	%100
18	M19	Z	-2.746	-2.746	0	%100
19	M20	X	4.756	4.756	0	%100
20	M20	Z	-2.746	-2.746	0	%100
21	M21	X	.472	.472	0	%100
22	M21	Z	-.272	-.272	0	%100
23	M22	X	.472	.472	0	%100
24	M22	Z	-.272	-.272	0	%100
25	M23	X	.472	.472	0	%100
26	M23	Z	-.272	-.272	0	%100
27	M24	X	.472	.472	0	%100
28	M24	Z	-.272	-.272	0	%100
29	M25	X	1.465	1.465	0	%100
30	M25	Z	-.846	-.846	0	%100
31	M26	X	1.465	1.465	0	%100
32	M26	Z	-.846	-.846	0	%100
33	M27	X	2.15	2.15	0	%100
34	M27	Z	-1.241	-1.241	0	%100
35	M28	X	2.15	2.15	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[in,%]	End Location[in,%]
36	M28	Z	-1.241	-1.241	0	%100
37	M32	X	1.114	1.114	0	%100
38	M32	Z	-.643	-.643	0	%100
39	MP1A	X	7.169	7.169	0	%100
40	MP1A	Z	-4.139	-4.139	0	%100
41	M44	X	1.887	1.887	0	%100
42	M44	Z	-1.089	-1.089	0	%100
43	M45	X	1.887	1.887	0	%100
44	M45	Z	-1.089	-1.089	0	%100
45	M46	X	1.887	1.887	0	%100
46	M46	Z	-1.089	-1.089	0	%100
47	M47	X	1.887	1.887	0	%100
48	M47	Z	-1.089	-1.089	0	%100
49	MP2A	X	7.169	7.169	0	%100
50	MP2A	Z	-4.139	-4.139	0	%100
51	MP3A	X	7.169	7.169	0	%100
52	MP3A	Z	-4.139	-4.139	0	%100
53	MP4A	X	7.169	7.169	0	%100
54	MP4A	Z	-4.139	-4.139	0	%100
55	MP5A	X	7.169	7.169	0	%100
56	MP5A	Z	-4.139	-4.139	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	2.178	2.178	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	2.178	2.178	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	2.178	2.178	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	2.178	2.178	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	2.426	2.426	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	2.426	2.426	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.426	2.426	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	2.426	2.426	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	2.031	2.031	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	2.031	2.031	0	%100
32	M26	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[in,%]	End Location[in,%]
33	M27	X	2.031	2.031	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	2.031	2.031	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	5.31	5.31	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	8.278	8.278	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	2.178	2.178	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	2.178	2.178	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	2.178	2.178	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	2.178	2.178	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	8.278	8.278	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	8.278	8.278	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	8.278	8.278	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	8.278	8.278	0	%100
56	MP5A	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[in,%]	End Location[in,%]
1	FACE	X	2.17	2.17	0	%100
2	FACE	Z	1.253	1.253	0	%100
3	M2	X	2.17	2.17	0	%100
4	M2	Z	1.253	1.253	0	%100
5	M13	X	1.415	1.415	0	%100
6	M13	Z	.817	.817	0	%100
7	M14	X	1.415	1.415	0	%100
8	M14	Z	.817	.817	0	%100
9	M15	X	1.415	1.415	0	%100
10	M15	Z	.817	.817	0	%100
11	M16	X	1.415	1.415	0	%100
12	M16	Z	.817	.817	0	%100
13	OVP	X	4.756	4.756	0	%100
14	OVP	Z	2.746	2.746	0	%100
15	M18	X	4.756	4.756	0	%100
16	M18	Z	2.746	2.746	0	%100
17	M19	X	.109	.109	0	%100
18	M19	Z	.063	.063	0	%100
19	M20	X	.109	.109	0	%100
20	M20	Z	.063	.063	0	%100
21	M21	X	.472	.472	0	%100
22	M21	Z	.272	.272	0	%100
23	M22	X	.472	.472	0	%100
24	M22	Z	.272	.272	0	%100
25	M23	X	.472	.472	0	%100
26	M23	Z	.272	.272	0	%100
27	M24	X	.472	.472	0	%100
28	M24	Z	.272	.272	0	%100
29	M25	X	2.15	2.15	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[in,%]	End Location[in,%]
30	M25	Z	1.241	1.241	0	%100
31	M26	X	2.15	2.15	0	%100
32	M26	Z	1.241	1.241	0	%100
33	M27	X	1.465	1.465	0	%100
34	M27	Z	.846	.846	0	%100
35	M28	X	1.465	1.465	0	%100
36	M28	Z	.846	.846	0	%100
37	M32	X	7.069	7.069	0	%100
38	M32	Z	4.081	4.081	0	%100
39	MP1A	X	7.169	7.169	0	%100
40	MP1A	Z	4.139	4.139	0	%100
41	M44	X	1.887	1.887	0	%100
42	M44	Z	1.089	1.089	0	%100
43	M45	X	1.887	1.887	0	%100
44	M45	Z	1.089	1.089	0	%100
45	M46	X	1.887	1.887	0	%100
46	M46	Z	1.089	1.089	0	%100
47	M47	X	1.887	1.887	0	%100
48	M47	Z	1.089	1.089	0	%100
49	MP2A	X	7.169	7.169	0	%100
50	MP2A	Z	4.139	4.139	0	%100
51	MP3A	X	7.169	7.169	0	%100
52	MP3A	Z	4.139	4.139	0	%100
53	MP4A	X	7.169	7.169	0	%100
54	MP4A	Z	4.139	4.139	0	%100
55	MP5A	X	7.169	7.169	0	%100
56	MP5A	Z	4.139	4.139	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[in,%]	End Location[in,%]
1	FACE	X	3.758	3.758	0	%100
2	FACE	Z	6.509	6.509	0	%100
3	M2	X	3.758	3.758	0	%100
4	M2	Z	6.509	6.509	0	%100
5	M13	X	.272	.272	0	%100
6	M13	Z	.472	.472	0	%100
7	M14	X	.272	.272	0	%100
8	M14	Z	.472	.472	0	%100
9	M15	X	.272	.272	0	%100
10	M15	Z	.472	.472	0	%100
11	M16	X	.272	.272	0	%100
12	M16	Z	.472	.472	0	%100
13	OVP	X	3.128	3.128	0	%100
14	OVP	Z	5.419	5.419	0	%100
15	M18	X	3.128	3.128	0	%100
16	M18	Z	5.419	5.419	0	%100
17	M19	X	.445	.445	0	%100
18	M19	Z	.771	.771	0	%100
19	M20	X	.445	.445	0	%100
20	M20	Z	.771	.771	0	%100
21	M21	X	.817	.817	0	%100
22	M21	Z	1.415	1.415	0	%100
23	M22	X	.817	.817	0	%100
24	M22	Z	1.415	1.415	0	%100
25	M23	X	.817	.817	0	%100
26	M23	Z	1.415	1.415	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[in,%]	End Location[in,%]
27	M24	X	.817	.817	0	%100
28	M24	Z	1.415	1.415	0	%100
29	M25	X	1.298	1.298	0	%100
30	M25	Z	2.248	2.248	0	%100
31	M26	X	1.298	1.298	0	%100
32	M26	Z	2.248	2.248	0	%100
33	M27	X	.902	.902	0	%100
34	M27	Z	1.562	1.562	0	%100
35	M28	X	.902	.902	0	%100
36	M28	Z	1.562	1.562	0	%100
37	M32	X	3.496	3.496	0	%100
38	M32	Z	6.055	6.055	0	%100
39	MP1A	X	4.139	4.139	0	%100
40	MP1A	Z	7.169	7.169	0	%100
41	M44	X	1.089	1.089	0	%100
42	M44	Z	1.887	1.887	0	%100
43	M45	X	1.089	1.089	0	%100
44	M45	Z	1.887	1.887	0	%100
45	M46	X	1.089	1.089	0	%100
46	M46	Z	1.887	1.887	0	%100
47	M47	X	1.089	1.089	0	%100
48	M47	Z	1.887	1.887	0	%100
49	MP2A	X	4.139	4.139	0	%100
50	MP2A	Z	7.169	7.169	0	%100
51	MP3A	X	4.139	4.139	0	%100
52	MP3A	Z	7.169	7.169	0	%100
53	MP4A	X	4.139	4.139	0	%100
54	MP4A	Z	7.169	7.169	0	%100
55	MP5A	X	4.139	4.139	0	%100
56	MP5A	Z	7.169	7.169	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	10.021	10.021	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	10.021	10.021	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	3.956	3.956	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	3.956	3.956	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	3.956	3.956	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	3.956	3.956	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	2.178	2.178	0	%100
23	M22	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[in,%]	End Location[in,%]
24	M22	Z	2.178	2.178	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	2.178	2.178	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	2.178	2.178	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	2.256	2.256	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	2.256	2.256	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	2.256	2.256	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	2.256	2.256	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	2.968	2.968	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	8.278	8.278	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	2.178	2.178	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	2.178	2.178	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	2.178	2.178	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	2.178	2.178	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	8.278	8.278	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	8.278	8.278	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	8.278	8.278	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	8.278	8.278	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[in,%]	End Location[in,%]
1	FACE	X	-3.758	-3.758	0	%100
2	FACE	Z	6.509	6.509	0	%100
3	M2	X	-3.758	-3.758	0	%100
4	M2	Z	6.509	6.509	0	%100
5	M13	X	-.272	-.272	0	%100
6	M13	Z	.472	.472	0	%100
7	M14	X	-.272	-.272	0	%100
8	M14	Z	.472	.472	0	%100
9	M15	X	-.272	-.272	0	%100
10	M15	Z	.472	.472	0	%100
11	M16	X	-.272	-.272	0	%100
12	M16	Z	.472	.472	0	%100
13	OVP	X	-.445	-.445	0	%100
14	OVP	Z	.771	.771	0	%100
15	M18	X	-.445	-.445	0	%100
16	M18	Z	.771	.771	0	%100
17	M19	X	-3.128	-3.128	0	%100
18	M19	Z	5.419	5.419	0	%100
19	M20	X	-3.128	-3.128	0	%100
20	M20	Z	5.419	5.419	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[in,%]	End Location[in,%]
21	M21	X	-.817	-.817	0	%100
22	M21	Z	1.415	1.415	0	%100
23	M22	X	-.817	-.817	0	%100
24	M22	Z	1.415	1.415	0	%100
25	M23	X	-.817	-.817	0	%100
26	M23	Z	1.415	1.415	0	%100
27	M24	X	-.817	-.817	0	%100
28	M24	Z	1.415	1.415	0	%100
29	M25	X	-.902	-.902	0	%100
30	M25	Z	1.562	1.562	0	%100
31	M26	X	-.902	-.902	0	%100
32	M26	Z	1.562	1.562	0	%100
33	M27	X	-1.298	-1.298	0	%100
34	M27	Z	2.248	2.248	0	%100
35	M28	X	-1.298	-1.298	0	%100
36	M28	Z	2.248	2.248	0	%100
37	M32	X	-.058	-.058	0	%100
38	M32	Z	.1	.1	0	%100
39	MP1A	X	-4.139	-4.139	0	%100
40	MP1A	Z	7.169	7.169	0	%100
41	M44	X	-1.089	-1.089	0	%100
42	M44	Z	1.887	1.887	0	%100
43	M45	X	-1.089	-1.089	0	%100
44	M45	Z	1.887	1.887	0	%100
45	M46	X	-1.089	-1.089	0	%100
46	M46	Z	1.887	1.887	0	%100
47	M47	X	-1.089	-1.089	0	%100
48	M47	Z	1.887	1.887	0	%100
49	MP2A	X	-4.139	-4.139	0	%100
50	MP2A	Z	7.169	7.169	0	%100
51	MP3A	X	-4.139	-4.139	0	%100
52	MP3A	Z	7.169	7.169	0	%100
53	MP4A	X	-4.139	-4.139	0	%100
54	MP4A	Z	7.169	7.169	0	%100
55	MP5A	X	-4.139	-4.139	0	%100
56	MP5A	Z	7.169	7.169	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[in,%]	End Location[in,%]
1	FACE	X	-2.17	-2.17	0	%100
2	FACE	Z	1.253	1.253	0	%100
3	M2	X	-2.17	-2.17	0	%100
4	M2	Z	1.253	1.253	0	%100
5	M13	X	-1.415	-1.415	0	%100
6	M13	Z	.817	.817	0	%100
7	M14	X	-1.415	-1.415	0	%100
8	M14	Z	.817	.817	0	%100
9	M15	X	-1.415	-1.415	0	%100
10	M15	Z	.817	.817	0	%100
11	M16	X	-1.415	-1.415	0	%100
12	M16	Z	.817	.817	0	%100
13	OVP	X	-.109	-.109	0	%100
14	OVP	Z	.063	.063	0	%100
15	M18	X	-.109	-.109	0	%100
16	M18	Z	.063	.063	0	%100
17	M19	X	-4.756	-4.756	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[in,%]	End Location[in,%]
18	M19	Z	2.746	2.746	0	%100
19	M20	X	-4.756	-4.756	0	%100
20	M20	Z	2.746	2.746	0	%100
21	M21	X	-.472	-.472	0	%100
22	M21	Z	.272	.272	0	%100
23	M22	X	-.472	-.472	0	%100
24	M22	Z	.272	.272	0	%100
25	M23	X	-.472	-.472	0	%100
26	M23	Z	.272	.272	0	%100
27	M24	X	-.472	-.472	0	%100
28	M24	Z	.272	.272	0	%100
29	M25	X	-1.465	-1.465	0	%100
30	M25	Z	.846	.846	0	%100
31	M26	X	-1.465	-1.465	0	%100
32	M26	Z	.846	.846	0	%100
33	M27	X	-2.15	-2.15	0	%100
34	M27	Z	1.241	1.241	0	%100
35	M28	X	-2.15	-2.15	0	%100
36	M28	Z	1.241	1.241	0	%100
37	M32	X	-1.114	-1.114	0	%100
38	M32	Z	.643	.643	0	%100
39	MP1A	X	-7.169	-7.169	0	%100
40	MP1A	Z	4.139	4.139	0	%100
41	M44	X	-1.887	-1.887	0	%100
42	M44	Z	1.089	1.089	0	%100
43	M45	X	-1.887	-1.887	0	%100
44	M45	Z	1.089	1.089	0	%100
45	M46	X	-1.887	-1.887	0	%100
46	M46	Z	1.089	1.089	0	%100
47	M47	X	-1.887	-1.887	0	%100
48	M47	Z	1.089	1.089	0	%100
49	MP2A	X	-7.169	-7.169	0	%100
50	MP2A	Z	4.139	4.139	0	%100
51	MP3A	X	-7.169	-7.169	0	%100
52	MP3A	Z	4.139	4.139	0	%100
53	MP4A	X	-7.169	-7.169	0	%100
54	MP4A	Z	4.139	4.139	0	%100
55	MP5A	X	-7.169	-7.169	0	%100
56	MP5A	Z	4.139	4.139	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-2.178	-2.178	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-2.178	-2.178	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-2.178	-2.178	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-2.178	-2.178	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	-2.426	-2.426	0	%100
14	OVP	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[in,%]	End Location[in,%]
15	M18	X	-2.426	-2.426	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-2.426	-2.426	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-2.426	-2.426	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-2.031	-2.031	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-2.031	-2.031	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-2.031	-2.031	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-2.031	-2.031	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	-5.31	-5.31	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	-8.278	-8.278	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	-2.178	-2.178	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-2.178	-2.178	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-2.178	-2.178	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-2.178	-2.178	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	-8.278	-8.278	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	-8.278	-8.278	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	-8.278	-8.278	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	-8.278	-8.278	0	%100
56	MP5A	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[in,%]	End Location[in,%]
1	FACE	X	-2.17	-2.17	0	%100
2	FACE	Z	-1.253	-1.253	0	%100
3	M2	X	-2.17	-2.17	0	%100
4	M2	Z	-1.253	-1.253	0	%100
5	M13	X	-1.415	-1.415	0	%100
6	M13	Z	-.817	-.817	0	%100
7	M14	X	-1.415	-1.415	0	%100
8	M14	Z	-.817	-.817	0	%100
9	M15	X	-1.415	-1.415	0	%100
10	M15	Z	-.817	-.817	0	%100
11	M16	X	-1.415	-1.415	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[in,%]	End Location[in,%]
12	M16	Z	-.817	-.817	0	%100
13	OVP	X	-4.756	-4.756	0	%100
14	OVP	Z	-2.746	-2.746	0	%100
15	M18	X	-4.756	-4.756	0	%100
16	M18	Z	-2.746	-2.746	0	%100
17	M19	X	-.109	-.109	0	%100
18	M19	Z	-.063	-.063	0	%100
19	M20	X	-.109	-.109	0	%100
20	M20	Z	-.063	-.063	0	%100
21	M21	X	-.472	-.472	0	%100
22	M21	Z	-.272	-.272	0	%100
23	M22	X	-.472	-.472	0	%100
24	M22	Z	-.272	-.272	0	%100
25	M23	X	-.472	-.472	0	%100
26	M23	Z	-.272	-.272	0	%100
27	M24	X	-.472	-.472	0	%100
28	M24	Z	-.272	-.272	0	%100
29	M25	X	-2.15	-2.15	0	%100
30	M25	Z	-1.241	-1.241	0	%100
31	M26	X	-2.15	-2.15	0	%100
32	M26	Z	-1.241	-1.241	0	%100
33	M27	X	-1.465	-1.465	0	%100
34	M27	Z	-.846	-.846	0	%100
35	M28	X	-1.465	-1.465	0	%100
36	M28	Z	-.846	-.846	0	%100
37	M32	X	-7.069	-7.069	0	%100
38	M32	Z	-4.081	-4.081	0	%100
39	MP1A	X	-7.169	-7.169	0	%100
40	MP1A	Z	-4.139	-4.139	0	%100
41	M44	X	-1.887	-1.887	0	%100
42	M44	Z	-1.089	-1.089	0	%100
43	M45	X	-1.887	-1.887	0	%100
44	M45	Z	-1.089	-1.089	0	%100
45	M46	X	-1.887	-1.887	0	%100
46	M46	Z	-1.089	-1.089	0	%100
47	M47	X	-1.887	-1.887	0	%100
48	M47	Z	-1.089	-1.089	0	%100
49	MP2A	X	-7.169	-7.169	0	%100
50	MP2A	Z	-4.139	-4.139	0	%100
51	MP3A	X	-7.169	-7.169	0	%100
52	MP3A	Z	-4.139	-4.139	0	%100
53	MP4A	X	-7.169	-7.169	0	%100
54	MP4A	Z	-4.139	-4.139	0	%100
55	MP5A	X	-7.169	-7.169	0	%100
56	MP5A	Z	-4.139	-4.139	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[in,%]	End Location[in,%]
1	FACE	X	-3.758	-3.758	0	%100
2	FACE	Z	-6.509	-6.509	0	%100
3	M2	X	-3.758	-3.758	0	%100
4	M2	Z	-6.509	-6.509	0	%100
5	M13	X	-.272	-.272	0	%100
6	M13	Z	-.472	-.472	0	%100
7	M14	X	-.272	-.272	0	%100
8	M14	Z	-.472	-.472	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[in,%]	End Location[in,%]
9	M15	X	-.272	-.272	0	%100
10	M15	Z	-.472	-.472	0	%100
11	M16	X	-.272	-.272	0	%100
12	M16	Z	-.472	-.472	0	%100
13	OVP	X	-3.128	-3.128	0	%100
14	OVP	Z	-5.419	-5.419	0	%100
15	M18	X	-3.128	-3.128	0	%100
16	M18	Z	-5.419	-5.419	0	%100
17	M19	X	-.445	-.445	0	%100
18	M19	Z	-.771	-.771	0	%100
19	M20	X	-.445	-.445	0	%100
20	M20	Z	-.771	-.771	0	%100
21	M21	X	-.817	-.817	0	%100
22	M21	Z	-1.415	-1.415	0	%100
23	M22	X	-.817	-.817	0	%100
24	M22	Z	-1.415	-1.415	0	%100
25	M23	X	-.817	-.817	0	%100
26	M23	Z	-1.415	-1.415	0	%100
27	M24	X	-.817	-.817	0	%100
28	M24	Z	-1.415	-1.415	0	%100
29	M25	X	-1.298	-1.298	0	%100
30	M25	Z	-2.248	-2.248	0	%100
31	M26	X	-1.298	-1.298	0	%100
32	M26	Z	-2.248	-2.248	0	%100
33	M27	X	-.902	-.902	0	%100
34	M27	Z	-1.562	-1.562	0	%100
35	M28	X	-.902	-.902	0	%100
36	M28	Z	-1.562	-1.562	0	%100
37	M32	X	-3.496	-3.496	0	%100
38	M32	Z	-6.055	-6.055	0	%100
39	MP1A	X	-4.139	-4.139	0	%100
40	MP1A	Z	-7.169	-7.169	0	%100
41	M44	X	-1.089	-1.089	0	%100
42	M44	Z	-1.887	-1.887	0	%100
43	M45	X	-1.089	-1.089	0	%100
44	M45	Z	-1.887	-1.887	0	%100
45	M46	X	-1.089	-1.089	0	%100
46	M46	Z	-1.887	-1.887	0	%100
47	M47	X	-1.089	-1.089	0	%100
48	M47	Z	-1.887	-1.887	0	%100
49	MP2A	X	-4.139	-4.139	0	%100
50	MP2A	Z	-7.169	-7.169	0	%100
51	MP3A	X	-4.139	-4.139	0	%100
52	MP3A	Z	-7.169	-7.169	0	%100
53	MP4A	X	-4.139	-4.139	0	%100
54	MP4A	Z	-7.169	-7.169	0	%100
55	MP5A	X	-4.139	-4.139	0	%100
56	MP5A	Z	-7.169	-7.169	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	-2.871	-2.871	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.871	-2.871	0	%100
5	M13	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[in,%]	End Location[in,%]
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	-1.247	-1.247	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-1.247	-1.247	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-1.247	-1.247	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-1.247	-1.247	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.095	-1.095	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-1.095	-1.095	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.095	-1.095	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.095	-1.095	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.395	-1.395	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.395	-1.395	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-1.395	-1.395	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-1.395	-1.395	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-.929	-.929	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-2.593	-2.593	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	-1.443	-1.443	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-1.443	-1.443	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-1.443	-1.443	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-1.443	-1.443	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-2.593	-2.593	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-2.593	-2.593	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-2.593	-2.593	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	-2.593	-2.593	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[in,%]	End Location[in,%]
1	FACE	X	1.077	1.077	0	%100
2	FACE	Z	-1.865	-1.865	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[in,%]	End Location[in,%]
3	M2	X	1.077	1.077	0	%100
4	M2	Z	-1.865	-1.865	0	%100
5	M13	X	.136	.136	0	%100
6	M13	Z	-.236	-.236	0	%100
7	M14	X	.136	.136	0	%100
8	M14	Z	-.236	-.236	0	%100
9	M15	X	.136	.136	0	%100
10	M15	Z	-.236	-.236	0	%100
11	M16	X	.136	.136	0	%100
12	M16	Z	-.236	-.236	0	%100
13	OVP	X	.14	.14	0	%100
14	OVP	Z	-.243	-.243	0	%100
15	M18	X	.14	.14	0	%100
16	M18	Z	-.243	-.243	0	%100
17	M19	X	.986	.986	0	%100
18	M19	Z	-1.708	-1.708	0	%100
19	M20	X	.986	.986	0	%100
20	M20	Z	-1.708	-1.708	0	%100
21	M21	X	.411	.411	0	%100
22	M21	Z	-.711	-.711	0	%100
23	M22	X	.411	.411	0	%100
24	M22	Z	-.711	-.711	0	%100
25	M23	X	.411	.411	0	%100
26	M23	Z	-.711	-.711	0	%100
27	M24	X	.411	.411	0	%100
28	M24	Z	-.711	-.711	0	%100
29	M25	X	.558	.558	0	%100
30	M25	Z	-.966	-.966	0	%100
31	M26	X	.558	.558	0	%100
32	M26	Z	-.966	-.966	0	%100
33	M27	X	.802	.802	0	%100
34	M27	Z	-1.389	-1.389	0	%100
35	M28	X	.802	.802	0	%100
36	M28	Z	-1.389	-1.389	0	%100
37	M32	X	.018	.018	0	%100
38	M32	Z	-.031	-.031	0	%100
39	MP1A	X	1.296	1.296	0	%100
40	MP1A	Z	-2.245	-2.245	0	%100
41	M44	X	.721	.721	0	%100
42	M44	Z	-1.249	-1.249	0	%100
43	M45	X	.721	.721	0	%100
44	M45	Z	-1.249	-1.249	0	%100
45	M46	X	.721	.721	0	%100
46	M46	Z	-1.249	-1.249	0	%100
47	M47	X	.721	.721	0	%100
48	M47	Z	-1.249	-1.249	0	%100
49	MP2A	X	1.296	1.296	0	%100
50	MP2A	Z	-2.245	-2.245	0	%100
51	MP3A	X	1.296	1.296	0	%100
52	MP3A	Z	-2.245	-2.245	0	%100
53	MP4A	X	1.296	1.296	0	%100
54	MP4A	Z	-2.245	-2.245	0	%100
55	MP5A	X	1.296	1.296	0	%100
56	MP5A	Z	-2.245	-2.245	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[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	FACE	X	.622	.622	0	%100
2	FACE	Z	-.359	-.359	0	%100
3	M2	X	.622	.622	0	%100
4	M2	Z	-.359	-.359	0	%100
5	M13	X	.707	.707	0	%100
6	M13	Z	-.408	-.408	0	%100
7	M14	X	.707	.707	0	%100
8	M14	Z	-.408	-.408	0	%100
9	M15	X	.707	.707	0	%100
10	M15	Z	-.408	-.408	0	%100
11	M16	X	.707	.707	0	%100
12	M16	Z	-.408	-.408	0	%100
13	OVP	X	.034	.034	0	%100
14	OVP	Z	-.02	-.02	0	%100
15	M18	X	.034	.034	0	%100
16	M18	Z	-.02	-.02	0	%100
17	M19	X	1.499	1.499	0	%100
18	M19	Z	-.866	-.866	0	%100
19	M20	X	1.499	1.499	0	%100
20	M20	Z	-.866	-.866	0	%100
21	M21	X	.237	.237	0	%100
22	M21	Z	-.137	-.137	0	%100
23	M22	X	.237	.237	0	%100
24	M22	Z	-.137	-.137	0	%100
25	M23	X	.237	.237	0	%100
26	M23	Z	-.137	-.137	0	%100
27	M24	X	.237	.237	0	%100
28	M24	Z	-.137	-.137	0	%100
29	M25	X	.905	.905	0	%100
30	M25	Z	-.523	-.523	0	%100
31	M26	X	.905	.905	0	%100
32	M26	Z	-.523	-.523	0	%100
33	M27	X	1.329	1.329	0	%100
34	M27	Z	-.767	-.767	0	%100
35	M28	X	1.329	1.329	0	%100
36	M28	Z	-.767	-.767	0	%100
37	M32	X	.349	.349	0	%100
38	M32	Z	-.201	-.201	0	%100
39	MP1A	X	2.245	2.245	0	%100
40	MP1A	Z	-1.296	-1.296	0	%100
41	M44	X	1.249	1.249	0	%100
42	M44	Z	-.721	-.721	0	%100
43	M45	X	1.249	1.249	0	%100
44	M45	Z	-.721	-.721	0	%100
45	M46	X	1.249	1.249	0	%100
46	M46	Z	-.721	-.721	0	%100
47	M47	X	1.249	1.249	0	%100
48	M47	Z	-.721	-.721	0	%100
49	MP2A	X	2.245	2.245	0	%100
50	MP2A	Z	-1.296	-1.296	0	%100
51	MP3A	X	2.245	2.245	0	%100
52	MP3A	Z	-1.296	-1.296	0	%100
53	MP4A	X	2.245	2.245	0	%100
54	MP4A	Z	-1.296	-1.296	0	%100
55	MP5A	X	2.245	2.245	0	%100
56	MP5A	Z	-1.296	-1.296	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.088	1.088	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	1.088	1.088	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.088	1.088	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.088	1.088	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	.765	.765	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	.765	.765	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.765	.765	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.765	.765	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.255	1.255	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	1.255	1.255	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.255	1.255	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.255	1.255	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	1.663	1.663	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	2.593	2.593	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	1.443	1.443	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	1.443	1.443	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	1.443	1.443	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	1.443	1.443	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	2.593	2.593	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	2.593	2.593	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	2.593	2.593	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	2.593	2.593	0	%100
56	MP5A	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[in,%]	End Location[in,%]
1	FACE	X	.622	.622	0	%100
2	FACE	Z	.359	.359	0	%100
3	M2	X	.622	.622	0	%100
4	M2	Z	.359	.359	0	%100
5	M13	X	.707	.707	0	%100
6	M13	Z	.408	.408	0	%100
7	M14	X	.707	.707	0	%100
8	M14	Z	.408	.408	0	%100
9	M15	X	.707	.707	0	%100
10	M15	Z	.408	.408	0	%100
11	M16	X	.707	.707	0	%100
12	M16	Z	.408	.408	0	%100
13	OVP	X	1.499	1.499	0	%100
14	OVP	Z	.866	.866	0	%100
15	M18	X	1.499	1.499	0	%100
16	M18	Z	.866	.866	0	%100
17	M19	X	.034	.034	0	%100
18	M19	Z	.02	.02	0	%100
19	M20	X	.034	.034	0	%100
20	M20	Z	.02	.02	0	%100
21	M21	X	.237	.237	0	%100
22	M21	Z	.137	.137	0	%100
23	M22	X	.237	.237	0	%100
24	M22	Z	.137	.137	0	%100
25	M23	X	.237	.237	0	%100
26	M23	Z	.137	.137	0	%100
27	M24	X	.237	.237	0	%100
28	M24	Z	.137	.137	0	%100
29	M25	X	1.329	1.329	0	%100
30	M25	Z	.767	.767	0	%100
31	M26	X	1.329	1.329	0	%100
32	M26	Z	.767	.767	0	%100
33	M27	X	.905	.905	0	%100
34	M27	Z	.523	.523	0	%100
35	M28	X	.905	.905	0	%100
36	M28	Z	.523	.523	0	%100
37	M32	X	2.214	2.214	0	%100
38	M32	Z	1.278	1.278	0	%100
39	MP1A	X	2.245	2.245	0	%100
40	MP1A	Z	1.296	1.296	0	%100
41	M44	X	1.249	1.249	0	%100
42	M44	Z	.721	.721	0	%100
43	M45	X	1.249	1.249	0	%100
44	M45	Z	.721	.721	0	%100
45	M46	X	1.249	1.249	0	%100
46	M46	Z	.721	.721	0	%100
47	M47	X	1.249	1.249	0	%100
48	M47	Z	.721	.721	0	%100
49	MP2A	X	2.245	2.245	0	%100
50	MP2A	Z	1.296	1.296	0	%100
51	MP3A	X	2.245	2.245	0	%100
52	MP3A	Z	1.296	1.296	0	%100
53	MP4A	X	2.245	2.245	0	%100
54	MP4A	Z	1.296	1.296	0	%100
55	MP5A	X	2.245	2.245	0	%100
56	MP5A	Z	1.296	1.296	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[in,%]	End Location[in,%]
1	FACE	X	1.077	1.077	0	%100
2	FACE	Z	1.865	1.865	0	%100
3	M2	X	1.077	1.077	0	%100
4	M2	Z	1.865	1.865	0	%100
5	M13	X	.136	.136	0	%100
6	M13	Z	.236	.236	0	%100
7	M14	X	.136	.136	0	%100
8	M14	Z	.236	.236	0	%100
9	M15	X	.136	.136	0	%100
10	M15	Z	.236	.236	0	%100
11	M16	X	.136	.136	0	%100
12	M16	Z	.236	.236	0	%100
13	OVP	X	.986	.986	0	%100
14	OVP	Z	1.708	1.708	0	%100
15	M18	X	.986	.986	0	%100
16	M18	Z	1.708	1.708	0	%100
17	M19	X	.14	.14	0	%100
18	M19	Z	.243	.243	0	%100
19	M20	X	.14	.14	0	%100
20	M20	Z	.243	.243	0	%100
21	M21	X	.411	.411	0	%100
22	M21	Z	.711	.711	0	%100
23	M22	X	.411	.411	0	%100
24	M22	Z	.711	.711	0	%100
25	M23	X	.411	.411	0	%100
26	M23	Z	.711	.711	0	%100
27	M24	X	.411	.411	0	%100
28	M24	Z	.711	.711	0	%100
29	M25	X	.802	.802	0	%100
30	M25	Z	1.389	1.389	0	%100
31	M26	X	.802	.802	0	%100
32	M26	Z	1.389	1.389	0	%100
33	M27	X	.558	.558	0	%100
34	M27	Z	.966	.966	0	%100
35	M28	X	.558	.558	0	%100
36	M28	Z	.966	.966	0	%100
37	M32	X	1.095	1.095	0	%100
38	M32	Z	1.896	1.896	0	%100
39	MP1A	X	1.296	1.296	0	%100
40	MP1A	Z	2.245	2.245	0	%100
41	M44	X	.721	.721	0	%100
42	M44	Z	1.249	1.249	0	%100
43	M45	X	.721	.721	0	%100
44	M45	Z	1.249	1.249	0	%100
45	M46	X	.721	.721	0	%100
46	M46	Z	1.249	1.249	0	%100
47	M47	X	.721	.721	0	%100
48	M47	Z	1.249	1.249	0	%100
49	MP2A	X	1.296	1.296	0	%100
50	MP2A	Z	2.245	2.245	0	%100
51	MP3A	X	1.296	1.296	0	%100
52	MP3A	Z	2.245	2.245	0	%100
53	MP4A	X	1.296	1.296	0	%100
54	MP4A	Z	2.245	2.245	0	%100
55	MP5A	X	1.296	1.296	0	%100
56	MP5A	Z	2.245	2.245	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	2.871	2.871	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.871	2.871	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	1.247	1.247	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	1.247	1.247	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.247	1.247	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	1.247	1.247	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.095	1.095	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.095	1.095	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.095	1.095	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.095	1.095	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.395	1.395	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.395	1.395	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	1.395	1.395	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.395	1.395	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	.929	.929	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	2.593	2.593	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	1.443	1.443	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	1.443	1.443	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	1.443	1.443	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	1.443	1.443	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	2.593	2.593	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	2.593	2.593	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	2.593	2.593	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	2.593	2.593	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[in,%]	End Location[in,%]
1	FACE	X	-1.077	-1.077	0	%100
2	FACE	Z	1.865	1.865	0	%100
3	M2	X	-1.077	-1.077	0	%100
4	M2	Z	1.865	1.865	0	%100
5	M13	X	-.136	-.136	0	%100
6	M13	Z	.236	.236	0	%100
7	M14	X	-.136	-.136	0	%100
8	M14	Z	.236	.236	0	%100
9	M15	X	-.136	-.136	0	%100
10	M15	Z	.236	.236	0	%100
11	M16	X	-.136	-.136	0	%100
12	M16	Z	.236	.236	0	%100
13	OVP	X	-.14	-.14	0	%100
14	OVP	Z	.243	.243	0	%100
15	M18	X	-.14	-.14	0	%100
16	M18	Z	.243	.243	0	%100
17	M19	X	-.986	-.986	0	%100
18	M19	Z	1.708	1.708	0	%100
19	M20	X	-.986	-.986	0	%100
20	M20	Z	1.708	1.708	0	%100
21	M21	X	-.411	-.411	0	%100
22	M21	Z	.711	.711	0	%100
23	M22	X	-.411	-.411	0	%100
24	M22	Z	.711	.711	0	%100
25	M23	X	-.411	-.411	0	%100
26	M23	Z	.711	.711	0	%100
27	M24	X	-.411	-.411	0	%100
28	M24	Z	.711	.711	0	%100
29	M25	X	-.558	-.558	0	%100
30	M25	Z	.966	.966	0	%100
31	M26	X	-.558	-.558	0	%100
32	M26	Z	.966	.966	0	%100
33	M27	X	-.802	-.802	0	%100
34	M27	Z	1.389	1.389	0	%100
35	M28	X	-.802	-.802	0	%100
36	M28	Z	1.389	1.389	0	%100
37	M32	X	-.018	-.018	0	%100
38	M32	Z	.031	.031	0	%100
39	MP1A	X	-1.296	-1.296	0	%100
40	MP1A	Z	2.245	2.245	0	%100
41	M44	X	-.721	-.721	0	%100
42	M44	Z	1.249	1.249	0	%100
43	M45	X	-.721	-.721	0	%100
44	M45	Z	1.249	1.249	0	%100
45	M46	X	-.721	-.721	0	%100
46	M46	Z	1.249	1.249	0	%100
47	M47	X	-.721	-.721	0	%100
48	M47	Z	1.249	1.249	0	%100
49	MP2A	X	-1.296	-1.296	0	%100
50	MP2A	Z	2.245	2.245	0	%100
51	MP3A	X	-1.296	-1.296	0	%100
52	MP3A	Z	2.245	2.245	0	%100
53	MP4A	X	-1.296	-1.296	0	%100
54	MP4A	Z	2.245	2.245	0	%100
55	MP5A	X	-1.296	-1.296	0	%100
56	MP5A	Z	2.245	2.245	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[in,%]	End Location[in,%]
1	FACE	X	-.622	-.622	0	%100
2	FACE	Z	.359	.359	0	%100
3	M2	X	-.622	-.622	0	%100
4	M2	Z	.359	.359	0	%100
5	M13	X	-.707	-.707	0	%100
6	M13	Z	.408	.408	0	%100
7	M14	X	-.707	-.707	0	%100
8	M14	Z	.408	.408	0	%100
9	M15	X	-.707	-.707	0	%100
10	M15	Z	.408	.408	0	%100
11	M16	X	-.707	-.707	0	%100
12	M16	Z	.408	.408	0	%100
13	OVP	X	-.034	-.034	0	%100
14	OVP	Z	.02	.02	0	%100
15	M18	X	-.034	-.034	0	%100
16	M18	Z	.02	.02	0	%100
17	M19	X	-1.499	-1.499	0	%100
18	M19	Z	.866	.866	0	%100
19	M20	X	-1.499	-1.499	0	%100
20	M20	Z	.866	.866	0	%100
21	M21	X	-.237	-.237	0	%100
22	M21	Z	.137	.137	0	%100
23	M22	X	-.237	-.237	0	%100
24	M22	Z	.137	.137	0	%100
25	M23	X	-.237	-.237	0	%100
26	M23	Z	.137	.137	0	%100
27	M24	X	-.237	-.237	0	%100
28	M24	Z	.137	.137	0	%100
29	M25	X	-.905	-.905	0	%100
30	M25	Z	.523	.523	0	%100
31	M26	X	-.905	-.905	0	%100
32	M26	Z	.523	.523	0	%100
33	M27	X	-1.329	-1.329	0	%100
34	M27	Z	.767	.767	0	%100
35	M28	X	-1.329	-1.329	0	%100
36	M28	Z	.767	.767	0	%100
37	M32	X	-.349	-.349	0	%100
38	M32	Z	.201	.201	0	%100
39	MP1A	X	-2.245	-2.245	0	%100
40	MP1A	Z	1.296	1.296	0	%100
41	M44	X	-1.249	-1.249	0	%100
42	M44	Z	.721	.721	0	%100
43	M45	X	-1.249	-1.249	0	%100
44	M45	Z	.721	.721	0	%100
45	M46	X	-1.249	-1.249	0	%100
46	M46	Z	.721	.721	0	%100
47	M47	X	-1.249	-1.249	0	%100
48	M47	Z	.721	.721	0	%100
49	MP2A	X	-2.245	-2.245	0	%100
50	MP2A	Z	1.296	1.296	0	%100
51	MP3A	X	-2.245	-2.245	0	%100
52	MP3A	Z	1.296	1.296	0	%100
53	MP4A	X	-2.245	-2.245	0	%100
54	MP4A	Z	1.296	1.296	0	%100
55	MP5A	X	-2.245	-2.245	0	%100
56	MP5A	Z	1.296	1.296	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.088	-1.088	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.088	-1.088	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.088	-1.088	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.088	-1.088	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	-.765	-.765	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	-.765	-.765	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.765	-.765	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.765	-.765	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.255	-1.255	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.255	-1.255	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.255	-1.255	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.255	-1.255	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	-1.663	-1.663	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	-2.593	-2.593	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	-1.443	-1.443	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-1.443	-1.443	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-1.443	-1.443	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-1.443	-1.443	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	-2.593	-2.593	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	-2.593	-2.593	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	-2.593	-2.593	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	-2.593	-2.593	0	%100
56	MP5A	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[in,%]	End Location[in,%]
1	FACE	X	-.622	-.622	0	%100
2	FACE	Z	-.359	-.359	0	%100
3	M2	X	-.622	-.622	0	%100
4	M2	Z	-.359	-.359	0	%100
5	M13	X	-.707	-.707	0	%100
6	M13	Z	-.408	-.408	0	%100
7	M14	X	-.707	-.707	0	%100
8	M14	Z	-.408	-.408	0	%100
9	M15	X	-.707	-.707	0	%100
10	M15	Z	-.408	-.408	0	%100
11	M16	X	-.707	-.707	0	%100
12	M16	Z	-.408	-.408	0	%100
13	OVP	X	-1.499	-1.499	0	%100
14	OVP	Z	-.866	-.866	0	%100
15	M18	X	-1.499	-1.499	0	%100
16	M18	Z	-.866	-.866	0	%100
17	M19	X	-.034	-.034	0	%100
18	M19	Z	-.02	-.02	0	%100
19	M20	X	-.034	-.034	0	%100
20	M20	Z	-.02	-.02	0	%100
21	M21	X	-.237	-.237	0	%100
22	M21	Z	-.137	-.137	0	%100
23	M22	X	-.237	-.237	0	%100
24	M22	Z	-.137	-.137	0	%100
25	M23	X	-.237	-.237	0	%100
26	M23	Z	-.137	-.137	0	%100
27	M24	X	-.237	-.237	0	%100
28	M24	Z	-.137	-.137	0	%100
29	M25	X	-1.329	-1.329	0	%100
30	M25	Z	-.767	-.767	0	%100
31	M26	X	-1.329	-1.329	0	%100
32	M26	Z	-.767	-.767	0	%100
33	M27	X	-.905	-.905	0	%100
34	M27	Z	-.523	-.523	0	%100
35	M28	X	-.905	-.905	0	%100
36	M28	Z	-.523	-.523	0	%100
37	M32	X	-2.214	-2.214	0	%100
38	M32	Z	-1.278	-1.278	0	%100
39	MP1A	X	-2.245	-2.245	0	%100
40	MP1A	Z	-1.296	-1.296	0	%100
41	M44	X	-1.249	-1.249	0	%100
42	M44	Z	-.721	-.721	0	%100
43	M45	X	-1.249	-1.249	0	%100
44	M45	Z	-.721	-.721	0	%100
45	M46	X	-1.249	-1.249	0	%100
46	M46	Z	-.721	-.721	0	%100
47	M47	X	-1.249	-1.249	0	%100
48	M47	Z	-.721	-.721	0	%100
49	MP2A	X	-2.245	-2.245	0	%100
50	MP2A	Z	-1.296	-1.296	0	%100
51	MP3A	X	-2.245	-2.245	0	%100
52	MP3A	Z	-1.296	-1.296	0	%100
53	MP4A	X	-2.245	-2.245	0	%100
54	MP4A	Z	-1.296	-1.296	0	%100
55	MP5A	X	-2.245	-2.245	0	%100
56	MP5A	Z	-1.296	-1.296	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[in,%]	End Location[in,%]
1	FACE	X	-1.077	-1.077	0	%100
2	FACE	Z	-1.865	-1.865	0	%100
3	M2	X	-1.077	-1.077	0	%100
4	M2	Z	-1.865	-1.865	0	%100
5	M13	X	-.136	-.136	0	%100
6	M13	Z	-.236	-.236	0	%100
7	M14	X	-.136	-.136	0	%100
8	M14	Z	-.236	-.236	0	%100
9	M15	X	-.136	-.136	0	%100
10	M15	Z	-.236	-.236	0	%100
11	M16	X	-.136	-.136	0	%100
12	M16	Z	-.236	-.236	0	%100
13	OVP	X	-.986	-.986	0	%100
14	OVP	Z	-1.708	-1.708	0	%100
15	M18	X	-.986	-.986	0	%100
16	M18	Z	-1.708	-1.708	0	%100
17	M19	X	-.14	-.14	0	%100
18	M19	Z	-.243	-.243	0	%100
19	M20	X	-.14	-.14	0	%100
20	M20	Z	-.243	-.243	0	%100
21	M21	X	-.411	-.411	0	%100
22	M21	Z	-.711	-.711	0	%100
23	M22	X	-.411	-.411	0	%100
24	M22	Z	-.711	-.711	0	%100
25	M23	X	-.411	-.411	0	%100
26	M23	Z	-.711	-.711	0	%100
27	M24	X	-.411	-.411	0	%100
28	M24	Z	-.711	-.711	0	%100
29	M25	X	-.802	-.802	0	%100
30	M25	Z	-1.389	-1.389	0	%100
31	M26	X	-.802	-.802	0	%100
32	M26	Z	-1.389	-1.389	0	%100
33	M27	X	-.558	-.558	0	%100
34	M27	Z	-.966	-.966	0	%100
35	M28	X	-.558	-.558	0	%100
36	M28	Z	-.966	-.966	0	%100
37	M32	X	-1.095	-1.095	0	%100
38	M32	Z	-1.896	-1.896	0	%100
39	MP1A	X	-1.296	-1.296	0	%100
40	MP1A	Z	-2.245	-2.245	0	%100
41	M44	X	-.721	-.721	0	%100
42	M44	Z	-1.249	-1.249	0	%100
43	M45	X	-.721	-.721	0	%100
44	M45	Z	-1.249	-1.249	0	%100
45	M46	X	-.721	-.721	0	%100
46	M46	Z	-1.249	-1.249	0	%100
47	M47	X	-.721	-.721	0	%100
48	M47	Z	-1.249	-1.249	0	%100
49	MP2A	X	-1.296	-1.296	0	%100
50	MP2A	Z	-2.245	-2.245	0	%100
51	MP3A	X	-1.296	-1.296	0	%100
52	MP3A	Z	-2.245	-2.245	0	%100
53	MP4A	X	-1.296	-1.296	0	%100
54	MP4A	Z	-2.245	-2.245	0	%100
55	MP5A	X	-1.296	-1.296	0	%100
56	MP5A	Z	-2.245	-2.245	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	-.577	-.577	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.577	-.577	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	-.228	-.228	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.228	-.228	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.228	-.228	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.228	-.228	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-.125	-.125	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-.125	-.125	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-.125	-.125	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.125	-.125	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-.13	-.13	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-.13	-.13	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-.13	-.13	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-.13	-.13	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-.171	-.171	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-.477	-.477	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	-.125	-.125	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-.125	-.125	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-.125	-.125	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-.125	-.125	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-.477	-.477	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-.477	-.477	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-.477	-.477	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	-.477	-.477	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[in,%]	End Location[in,%]
1	FACE	X	.216	.216	0	%100
2	FACE	Z	-.375	-.375	0	%100
3	M2	X	.216	.216	0	%100
4	M2	Z	-.375	-.375	0	%100
5	M13	X	.016	.016	0	%100
6	M13	Z	-.027	-.027	0	%100
7	M14	X	.016	.016	0	%100
8	M14	Z	-.027	-.027	0	%100
9	M15	X	.016	.016	0	%100
10	M15	Z	-.027	-.027	0	%100
11	M16	X	.016	.016	0	%100
12	M16	Z	-.027	-.027	0	%100
13	OVP	X	.026	.026	0	%100
14	OVP	Z	-.044	-.044	0	%100
15	M18	X	.026	.026	0	%100
16	M18	Z	-.044	-.044	0	%100
17	M19	X	.18	.18	0	%100
18	M19	Z	-.312	-.312	0	%100
19	M20	X	.18	.18	0	%100
20	M20	Z	-.312	-.312	0	%100
21	M21	X	.047	.047	0	%100
22	M21	Z	-.082	-.082	0	%100
23	M22	X	.047	.047	0	%100
24	M22	Z	-.082	-.082	0	%100
25	M23	X	.047	.047	0	%100
26	M23	Z	-.082	-.082	0	%100
27	M24	X	.047	.047	0	%100
28	M24	Z	-.082	-.082	0	%100
29	M25	X	.052	.052	0	%100
30	M25	Z	-.09	-.09	0	%100
31	M26	X	.052	.052	0	%100
32	M26	Z	-.09	-.09	0	%100
33	M27	X	.075	.075	0	%100
34	M27	Z	-.129	-.129	0	%100
35	M28	X	.075	.075	0	%100
36	M28	Z	-.129	-.129	0	%100
37	M32	X	.003	.003	0	%100
38	M32	Z	-.006	-.006	0	%100
39	MP1A	X	.238	.238	0	%100
40	MP1A	Z	-.413	-.413	0	%100
41	M44	X	.063	.063	0	%100
42	M44	Z	-.109	-.109	0	%100
43	M45	X	.063	.063	0	%100
44	M45	Z	-.109	-.109	0	%100
45	M46	X	.063	.063	0	%100
46	M46	Z	-.109	-.109	0	%100
47	M47	X	.063	.063	0	%100
48	M47	Z	-.109	-.109	0	%100
49	MP2A	X	.238	.238	0	%100
50	MP2A	Z	-.413	-.413	0	%100
51	MP3A	X	.238	.238	0	%100
52	MP3A	Z	-.413	-.413	0	%100
53	MP4A	X	.238	.238	0	%100
54	MP4A	Z	-.413	-.413	0	%100
55	MP5A	X	.238	.238	0	%100
56	MP5A	Z	-.413	-.413	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[in,%]	End Location[in,%]
1	FACE	X	.125	.125	0	%100
2	FACE	Z	-.072	-.072	0	%100
3	M2	X	.125	.125	0	%100
4	M2	Z	-.072	-.072	0	%100
5	M13	X	.082	.082	0	%100
6	M13	Z	-.047	-.047	0	%100
7	M14	X	.082	.082	0	%100
8	M14	Z	-.047	-.047	0	%100
9	M15	X	.082	.082	0	%100
10	M15	Z	-.047	-.047	0	%100
11	M16	X	.082	.082	0	%100
12	M16	Z	-.047	-.047	0	%100
13	OVP	X	.006	.006	0	%100
14	OVP	Z	-.004	-.004	0	%100
15	M18	X	.006	.006	0	%100
16	M18	Z	-.004	-.004	0	%100
17	M19	X	.274	.274	0	%100
18	M19	Z	-.158	-.158	0	%100
19	M20	X	.274	.274	0	%100
20	M20	Z	-.158	-.158	0	%100
21	M21	X	.027	.027	0	%100
22	M21	Z	-.016	-.016	0	%100
23	M22	X	.027	.027	0	%100
24	M22	Z	-.016	-.016	0	%100
25	M23	X	.027	.027	0	%100
26	M23	Z	-.016	-.016	0	%100
27	M24	X	.027	.027	0	%100
28	M24	Z	-.016	-.016	0	%100
29	M25	X	.084	.084	0	%100
30	M25	Z	-.049	-.049	0	%100
31	M26	X	.084	.084	0	%100
32	M26	Z	-.049	-.049	0	%100
33	M27	X	.124	.124	0	%100
34	M27	Z	-.072	-.072	0	%100
35	M28	X	.124	.124	0	%100
36	M28	Z	-.072	-.072	0	%100
37	M32	X	.064	.064	0	%100
38	M32	Z	-.037	-.037	0	%100
39	MP1A	X	.413	.413	0	%100
40	MP1A	Z	-.238	-.238	0	%100
41	M44	X	.109	.109	0	%100
42	M44	Z	-.063	-.063	0	%100
43	M45	X	.109	.109	0	%100
44	M45	Z	-.063	-.063	0	%100
45	M46	X	.109	.109	0	%100
46	M46	Z	-.063	-.063	0	%100
47	M47	X	.109	.109	0	%100
48	M47	Z	-.063	-.063	0	%100
49	MP2A	X	.413	.413	0	%100
50	MP2A	Z	-.238	-.238	0	%100
51	MP3A	X	.413	.413	0	%100
52	MP3A	Z	-.238	-.238	0	%100
53	MP4A	X	.413	.413	0	%100
54	MP4A	Z	-.238	-.238	0	%100
55	MP5A	X	.413	.413	0	%100
56	MP5A	Z	-.238	-.238	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	.125	.125	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	.125	.125	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	.125	.125	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	.125	.125	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	.14	.14	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	.14	.14	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.14	.14	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.14	.14	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.117	.117	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	.117	.117	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	.117	.117	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	.117	.117	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	.306	.306	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	.477	.477	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	.125	.125	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	.125	.125	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	.125	.125	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	.125	.125	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	.477	.477	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	.477	.477	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	.477	.477	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	.477	.477	0	%100
56	MP5A	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[in,%]	End Location[in,%]
1	FACE	X	.125	.125	0	%100
2	FACE	Z	.072	.072	0	%100
3	M2	X	.125	.125	0	%100
4	M2	Z	.072	.072	0	%100
5	M13	X	.082	.082	0	%100
6	M13	Z	.047	.047	0	%100
7	M14	X	.082	.082	0	%100
8	M14	Z	.047	.047	0	%100
9	M15	X	.082	.082	0	%100
10	M15	Z	.047	.047	0	%100
11	M16	X	.082	.082	0	%100
12	M16	Z	.047	.047	0	%100
13	OVP	X	.274	.274	0	%100
14	OVP	Z	.158	.158	0	%100
15	M18	X	.274	.274	0	%100
16	M18	Z	.158	.158	0	%100
17	M19	X	.006	.006	0	%100
18	M19	Z	.004	.004	0	%100
19	M20	X	.006	.006	0	%100
20	M20	Z	.004	.004	0	%100
21	M21	X	.027	.027	0	%100
22	M21	Z	.016	.016	0	%100
23	M22	X	.027	.027	0	%100
24	M22	Z	.016	.016	0	%100
25	M23	X	.027	.027	0	%100
26	M23	Z	.016	.016	0	%100
27	M24	X	.027	.027	0	%100
28	M24	Z	.016	.016	0	%100
29	M25	X	.124	.124	0	%100
30	M25	Z	.072	.072	0	%100
31	M26	X	.124	.124	0	%100
32	M26	Z	.072	.072	0	%100
33	M27	X	.084	.084	0	%100
34	M27	Z	.049	.049	0	%100
35	M28	X	.084	.084	0	%100
36	M28	Z	.049	.049	0	%100
37	M32	X	.407	.407	0	%100
38	M32	Z	.235	.235	0	%100
39	MP1A	X	.413	.413	0	%100
40	MP1A	Z	.238	.238	0	%100
41	M44	X	.109	.109	0	%100
42	M44	Z	.063	.063	0	%100
43	M45	X	.109	.109	0	%100
44	M45	Z	.063	.063	0	%100
45	M46	X	.109	.109	0	%100
46	M46	Z	.063	.063	0	%100
47	M47	X	.109	.109	0	%100
48	M47	Z	.063	.063	0	%100
49	MP2A	X	.413	.413	0	%100
50	MP2A	Z	.238	.238	0	%100
51	MP3A	X	.413	.413	0	%100
52	MP3A	Z	.238	.238	0	%100
53	MP4A	X	.413	.413	0	%100
54	MP4A	Z	.238	.238	0	%100
55	MP5A	X	.413	.413	0	%100
56	MP5A	Z	.238	.238	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[in,%]	End Location[in,%]
1	FACE	X	.216	.216	0	%100
2	FACE	Z	.375	.375	0	%100
3	M2	X	.216	.216	0	%100
4	M2	Z	.375	.375	0	%100
5	M13	X	.016	.016	0	%100
6	M13	Z	.027	.027	0	%100
7	M14	X	.016	.016	0	%100
8	M14	Z	.027	.027	0	%100
9	M15	X	.016	.016	0	%100
10	M15	Z	.027	.027	0	%100
11	M16	X	.016	.016	0	%100
12	M16	Z	.027	.027	0	%100
13	OVP	X	.18	.18	0	%100
14	OVP	Z	.312	.312	0	%100
15	M18	X	.18	.18	0	%100
16	M18	Z	.312	.312	0	%100
17	M19	X	.026	.026	0	%100
18	M19	Z	.044	.044	0	%100
19	M20	X	.026	.026	0	%100
20	M20	Z	.044	.044	0	%100
21	M21	X	.047	.047	0	%100
22	M21	Z	.082	.082	0	%100
23	M22	X	.047	.047	0	%100
24	M22	Z	.082	.082	0	%100
25	M23	X	.047	.047	0	%100
26	M23	Z	.082	.082	0	%100
27	M24	X	.047	.047	0	%100
28	M24	Z	.082	.082	0	%100
29	M25	X	.075	.075	0	%100
30	M25	Z	.129	.129	0	%100
31	M26	X	.075	.075	0	%100
32	M26	Z	.129	.129	0	%100
33	M27	X	.052	.052	0	%100
34	M27	Z	.09	.09	0	%100
35	M28	X	.052	.052	0	%100
36	M28	Z	.09	.09	0	%100
37	M32	X	.201	.201	0	%100
38	M32	Z	.349	.349	0	%100
39	MP1A	X	.238	.238	0	%100
40	MP1A	Z	.413	.413	0	%100
41	M44	X	.063	.063	0	%100
42	M44	Z	.109	.109	0	%100
43	M45	X	.063	.063	0	%100
44	M45	Z	.109	.109	0	%100
45	M46	X	.063	.063	0	%100
46	M46	Z	.109	.109	0	%100
47	M47	X	.063	.063	0	%100
48	M47	Z	.109	.109	0	%100
49	MP2A	X	.238	.238	0	%100
50	MP2A	Z	.413	.413	0	%100
51	MP3A	X	.238	.238	0	%100
52	MP3A	Z	.413	.413	0	%100
53	MP4A	X	.238	.238	0	%100
54	MP4A	Z	.413	.413	0	%100
55	MP5A	X	.238	.238	0	%100
56	MP5A	Z	.413	.413	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	.577	.577	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.577	.577	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	.228	.228	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.228	.228	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.228	.228	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.228	.228	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	.125	.125	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	.125	.125	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.125	.125	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.125	.125	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	.13	.13	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.13	.13	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	.13	.13	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	.13	.13	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	.171	.171	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	.477	.477	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	.125	.125	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	.125	.125	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	.125	.125	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	.125	.125	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	.477	.477	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	.477	.477	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	.477	.477	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	.477	.477	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[in,%]	End Location[in,%]
1	FACE	X	-.216	-.216	0	%100
2	FACE	Z	.375	.375	0	%100
3	M2	X	-.216	-.216	0	%100
4	M2	Z	.375	.375	0	%100
5	M13	X	-.016	-.016	0	%100
6	M13	Z	.027	.027	0	%100
7	M14	X	-.016	-.016	0	%100
8	M14	Z	.027	.027	0	%100
9	M15	X	-.016	-.016	0	%100
10	M15	Z	.027	.027	0	%100
11	M16	X	-.016	-.016	0	%100
12	M16	Z	.027	.027	0	%100
13	OVP	X	-.026	-.026	0	%100
14	OVP	Z	.044	.044	0	%100
15	M18	X	-.026	-.026	0	%100
16	M18	Z	.044	.044	0	%100
17	M19	X	-.18	-.18	0	%100
18	M19	Z	.312	.312	0	%100
19	M20	X	-.18	-.18	0	%100
20	M20	Z	.312	.312	0	%100
21	M21	X	-.047	-.047	0	%100
22	M21	Z	.082	.082	0	%100
23	M22	X	-.047	-.047	0	%100
24	M22	Z	.082	.082	0	%100
25	M23	X	-.047	-.047	0	%100
26	M23	Z	.082	.082	0	%100
27	M24	X	-.047	-.047	0	%100
28	M24	Z	.082	.082	0	%100
29	M25	X	-.052	-.052	0	%100
30	M25	Z	.09	.09	0	%100
31	M26	X	-.052	-.052	0	%100
32	M26	Z	.09	.09	0	%100
33	M27	X	-.075	-.075	0	%100
34	M27	Z	.129	.129	0	%100
35	M28	X	-.075	-.075	0	%100
36	M28	Z	.129	.129	0	%100
37	M32	X	-.003	-.003	0	%100
38	M32	Z	.006	.006	0	%100
39	MP1A	X	-.238	-.238	0	%100
40	MP1A	Z	.413	.413	0	%100
41	M44	X	-.063	-.063	0	%100
42	M44	Z	.109	.109	0	%100
43	M45	X	-.063	-.063	0	%100
44	M45	Z	.109	.109	0	%100
45	M46	X	-.063	-.063	0	%100
46	M46	Z	.109	.109	0	%100
47	M47	X	-.063	-.063	0	%100
48	M47	Z	.109	.109	0	%100
49	MP2A	X	-.238	-.238	0	%100
50	MP2A	Z	.413	.413	0	%100
51	MP3A	X	-.238	-.238	0	%100
52	MP3A	Z	.413	.413	0	%100
53	MP4A	X	-.238	-.238	0	%100
54	MP4A	Z	.413	.413	0	%100
55	MP5A	X	-.238	-.238	0	%100
56	MP5A	Z	.413	.413	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[in,%]	End Location[in,%]
1	FACE	X	-.125	-.125	0	%100
2	FACE	Z	.072	.072	0	%100
3	M2	X	-.125	-.125	0	%100
4	M2	Z	.072	.072	0	%100
5	M13	X	-.082	-.082	0	%100
6	M13	Z	.047	.047	0	%100
7	M14	X	-.082	-.082	0	%100
8	M14	Z	.047	.047	0	%100
9	M15	X	-.082	-.082	0	%100
10	M15	Z	.047	.047	0	%100
11	M16	X	-.082	-.082	0	%100
12	M16	Z	.047	.047	0	%100
13	OVP	X	-.006	-.006	0	%100
14	OVP	Z	.004	.004	0	%100
15	M18	X	-.006	-.006	0	%100
16	M18	Z	.004	.004	0	%100
17	M19	X	-.274	-.274	0	%100
18	M19	Z	.158	.158	0	%100
19	M20	X	-.274	-.274	0	%100
20	M20	Z	.158	.158	0	%100
21	M21	X	-.027	-.027	0	%100
22	M21	Z	.016	.016	0	%100
23	M22	X	-.027	-.027	0	%100
24	M22	Z	.016	.016	0	%100
25	M23	X	-.027	-.027	0	%100
26	M23	Z	.016	.016	0	%100
27	M24	X	-.027	-.027	0	%100
28	M24	Z	.016	.016	0	%100
29	M25	X	-.084	-.084	0	%100
30	M25	Z	.049	.049	0	%100
31	M26	X	-.084	-.084	0	%100
32	M26	Z	.049	.049	0	%100
33	M27	X	-.124	-.124	0	%100
34	M27	Z	.072	.072	0	%100
35	M28	X	-.124	-.124	0	%100
36	M28	Z	.072	.072	0	%100
37	M32	X	-.064	-.064	0	%100
38	M32	Z	.037	.037	0	%100
39	MP1A	X	-.413	-.413	0	%100
40	MP1A	Z	.238	.238	0	%100
41	M44	X	-.109	-.109	0	%100
42	M44	Z	.063	.063	0	%100
43	M45	X	-.109	-.109	0	%100
44	M45	Z	.063	.063	0	%100
45	M46	X	-.109	-.109	0	%100
46	M46	Z	.063	.063	0	%100
47	M47	X	-.109	-.109	0	%100
48	M47	Z	.063	.063	0	%100
49	MP2A	X	-.413	-.413	0	%100
50	MP2A	Z	.238	.238	0	%100
51	MP3A	X	-.413	-.413	0	%100
52	MP3A	Z	.238	.238	0	%100
53	MP4A	X	-.413	-.413	0	%100
54	MP4A	Z	.238	.238	0	%100
55	MP5A	X	-.413	-.413	0	%100
56	MP5A	Z	.238	.238	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[in,%]	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-.125	-.125	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-.125	-.125	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-.125	-.125	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-.125	-.125	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	-.14	-.14	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	-.14	-.14	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.14	-.14	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.14	-.14	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.117	-.117	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-.117	-.117	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-.117	-.117	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-.117	-.117	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	-.306	-.306	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	-.477	-.477	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	-.125	-.125	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-.125	-.125	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-.125	-.125	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-.125	-.125	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	-.477	-.477	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	-.477	-.477	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	-.477	-.477	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	-.477	-.477	0	%100
56	MP5A	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[in,%]	End Location[in,%]
1	FACE	X	-.125	-.125	0	%100
2	FACE	Z	-.072	-.072	0	%100
3	M2	X	-.125	-.125	0	%100
4	M2	Z	-.072	-.072	0	%100
5	M13	X	-.082	-.082	0	%100
6	M13	Z	-.047	-.047	0	%100
7	M14	X	-.082	-.082	0	%100
8	M14	Z	-.047	-.047	0	%100
9	M15	X	-.082	-.082	0	%100
10	M15	Z	-.047	-.047	0	%100
11	M16	X	-.082	-.082	0	%100
12	M16	Z	-.047	-.047	0	%100
13	OVP	X	-.274	-.274	0	%100
14	OVP	Z	-.158	-.158	0	%100
15	M18	X	-.274	-.274	0	%100
16	M18	Z	-.158	-.158	0	%100
17	M19	X	-.006	-.006	0	%100
18	M19	Z	-.004	-.004	0	%100
19	M20	X	-.006	-.006	0	%100
20	M20	Z	-.004	-.004	0	%100
21	M21	X	-.027	-.027	0	%100
22	M21	Z	-.016	-.016	0	%100
23	M22	X	-.027	-.027	0	%100
24	M22	Z	-.016	-.016	0	%100
25	M23	X	-.027	-.027	0	%100
26	M23	Z	-.016	-.016	0	%100
27	M24	X	-.027	-.027	0	%100
28	M24	Z	-.016	-.016	0	%100
29	M25	X	-.124	-.124	0	%100
30	M25	Z	-.072	-.072	0	%100
31	M26	X	-.124	-.124	0	%100
32	M26	Z	-.072	-.072	0	%100
33	M27	X	-.084	-.084	0	%100
34	M27	Z	-.049	-.049	0	%100
35	M28	X	-.084	-.084	0	%100
36	M28	Z	-.049	-.049	0	%100
37	M32	X	-.407	-.407	0	%100
38	M32	Z	-.235	-.235	0	%100
39	MP1A	X	-.413	-.413	0	%100
40	MP1A	Z	-.238	-.238	0	%100
41	M44	X	-.109	-.109	0	%100
42	M44	Z	-.063	-.063	0	%100
43	M45	X	-.109	-.109	0	%100
44	M45	Z	-.063	-.063	0	%100
45	M46	X	-.109	-.109	0	%100
46	M46	Z	-.063	-.063	0	%100
47	M47	X	-.109	-.109	0	%100
48	M47	Z	-.063	-.063	0	%100
49	MP2A	X	-.413	-.413	0	%100
50	MP2A	Z	-.238	-.238	0	%100
51	MP3A	X	-.413	-.413	0	%100
52	MP3A	Z	-.238	-.238	0	%100
53	MP4A	X	-.413	-.413	0	%100
54	MP4A	Z	-.238	-.238	0	%100
55	MP5A	X	-.413	-.413	0	%100
56	MP5A	Z	-.238	-.238	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[in,%]	End Location[in,%]
1	FACE	X	-.216	-.216	0	%100
2	FACE	Z	-.375	-.375	0	%100
3	M2	X	-.216	-.216	0	%100
4	M2	Z	-.375	-.375	0	%100
5	M13	X	-.016	-.016	0	%100
6	M13	Z	-.027	-.027	0	%100
7	M14	X	-.016	-.016	0	%100
8	M14	Z	-.027	-.027	0	%100
9	M15	X	-.016	-.016	0	%100
10	M15	Z	-.027	-.027	0	%100
11	M16	X	-.016	-.016	0	%100
12	M16	Z	-.027	-.027	0	%100
13	OVP	X	-.18	-.18	0	%100
14	OVP	Z	-.312	-.312	0	%100
15	M18	X	-.18	-.18	0	%100
16	M18	Z	-.312	-.312	0	%100
17	M19	X	-.026	-.026	0	%100
18	M19	Z	-.044	-.044	0	%100
19	M20	X	-.026	-.026	0	%100
20	M20	Z	-.044	-.044	0	%100
21	M21	X	-.047	-.047	0	%100
22	M21	Z	-.082	-.082	0	%100
23	M22	X	-.047	-.047	0	%100
24	M22	Z	-.082	-.082	0	%100
25	M23	X	-.047	-.047	0	%100
26	M23	Z	-.082	-.082	0	%100
27	M24	X	-.047	-.047	0	%100
28	M24	Z	-.082	-.082	0	%100
29	M25	X	-.075	-.075	0	%100
30	M25	Z	-.129	-.129	0	%100
31	M26	X	-.075	-.075	0	%100
32	M26	Z	-.129	-.129	0	%100
33	M27	X	-.052	-.052	0	%100
34	M27	Z	-.09	-.09	0	%100
35	M28	X	-.052	-.052	0	%100
36	M28	Z	-.09	-.09	0	%100
37	M32	X	-.201	-.201	0	%100
38	M32	Z	-.349	-.349	0	%100
39	MP1A	X	-.238	-.238	0	%100
40	MP1A	Z	-.413	-.413	0	%100
41	M44	X	-.063	-.063	0	%100
42	M44	Z	-.109	-.109	0	%100
43	M45	X	-.063	-.063	0	%100
44	M45	Z	-.109	-.109	0	%100
45	M46	X	-.063	-.063	0	%100
46	M46	Z	-.109	-.109	0	%100
47	M47	X	-.063	-.063	0	%100
48	M47	Z	-.109	-.109	0	%100
49	MP2A	X	-.238	-.238	0	%100
50	MP2A	Z	-.413	-.413	0	%100
51	MP3A	X	-.238	-.238	0	%100
52	MP3A	Z	-.413	-.413	0	%100
53	MP4A	X	-.238	-.238	0	%100
54	MP4A	Z	-.413	-.413	0	%100
55	MP5A	X	-.238	-.238	0	%100
56	MP5A	Z	-.413	-.413	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	N35	max	922.439	50	1023.639	17	1356.942	13	-.117	71	0	75	-.023	8
2		min	-342.689	49	374.687	72	-202.27	7	-.324	13	0	1	-.267	49
3	N36	max	342.73	49	971.236	23	532.946	12	-.099	6	0	75	-.021	8
4		min	-922.543	50	358.289	66	-1678.533	6	-.303	24	0	1	-.257	49
5	N67A	max	446.401	8	43.886	21	597.749	2	0	75	0	75	0	75
6		min	-446.513	2	15.126	66	-596.943	8	0	1	0	1	0	1
7	Totals:	max	1114.977	11	2030.699	18	1904.118	1						
8		min	-1114.977	5	748.741	75	-1904.12	7						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M22	PL5/8X3.5	.356	6.375	18	.083	6.375	y	6	69484.705	70875	.923	5.168	1....	H1-1b
2	M24	PL5/8X3.5	.351	6.375	24	.072	5.246	y	1	69484.705	70875	.923	5.168	1....	H1-1b
3	MP1A	PIPE_2.0	.245	65.625	50	.054	26.25		3	17855.085	32130	1.872	1.872	2....	H1-1b
4	MP5A	PIPE_2.0	.207	65.625	49	.031	26.25		49	17855.085	32130	1.872	1.872	2....	H1-1b
5	M2	PIPE_2.5	.206	104.688	5	.085	104.6...		2	14558.792	50715	3.596	3.596	1....	H1-1b
6	M15	PL5/8X3.5	.203	0	44	.127	0	y	1	67997.431	70875	.923	5.168	1....	H1-1b
7	M20	PIPE_2.0	.189	0	6	.065	0		24	31128.25	32130	1.872	1.872	2....	H1-1b
8	M23	PL5/8X3.5	.183	6.375	49	.034	6.375	y	1	69484.705	70875	.923	5.168	2....	H1-1b
9	M21	PL5/8X3.5	.178	6.375	49	.036	6.375	y	12	69484.705	70875	.923	5.168	2....	H1-1b
10	M16	PL5/8X3.5	.173	5.063	18	.175	5.063	y	6	67997.431	70875	.923	5.168	1....	H1-1b
11	FACE	PIPE_2.5	.156	104.688	50	.094	104.6...		42	14558.792	50715	3.596	3.596	2....	H1-1b
12	M19	PIPE_2.0	.139	30.007	1	.076	0		13	31128.25	32130	1.872	1.872	1....	H1-1b
13	MP2A	PIPE_2.0	.125	26.25	19	.056	48.125		8	17855.085	32130	1.872	1.872	2....	H1-1b
14	MP3A	PIPE_2.0	.109	26.25	8	.047	25.375		6	17855.085	32130	1.872	1.872	2....	H1-1b
15	M14	PL5/8X3.5	.105	0	49	.085	5.063	y	2	67997.431	70875	.923	5.168	1....	H1-1b
16	M13	PL5/8X3.5	.100	5.063	49	.085	4.535	y	7	67997.431	70875	.923	5.168	1....	H1-1b
17	OVP	PIPE_2.0	.092	15.003	6	.041	0		49	31128.25	32130	1.872	1.872	2....	H1-1b
18	MP4A	PIPE_2.0	.087	26.25	2	.026	26.25		8	17855.085	32130	1.872	1.872	2....	H1-1b
19	M18	PIPE_2.0	.084	0	2	.045	0		49	31128.25	32130	1.872	1.872	1....	H1-1b
20	M32	PIPE_2.0	.082	58.12	5	.005	116.2...		23	10483.419	32130	1.872	1.872	1....	H1-1b
21	M28	SR_0.75	.066	50.004	44	.012	50.004		9	2863.936	14313.866	.179	.179	1....	H1-1b*
22	M46	SR_0.625	.043	20	6	.011	0		8	2158.31	9940.196	.104	.104	1....	H1-1b
23	M47	SR_0.625	.041	20	2	.007	0		49	2158.31	9940.196	.104	.104	1....	H1-1b
24	M26	SR_0.75	.040	0	49	.013	50.004		2	2863.936	14313.866	.179	.179	1....	H1-1b*
25	M45	SR_0.625	.040	20	7	.012	0		20	2158.31	9940.196	.104	.104	1	H1-1b
26	M44	SR_0.625	.032	20	9	.010	0		5	2158.31	9940.196	.104	.104	1....	H1-1b
27	M27	SR_0.75	.000	0	75	.009	50.004		23	2863.936	14313.866	.179	.179	1....	H1-1a
28	M25	SR_0.75	.000	0	75	.006	50.004		6	2863.936	14313.866	.179	.179	1....	H1-1a

VzW SMART Tool© Vendor

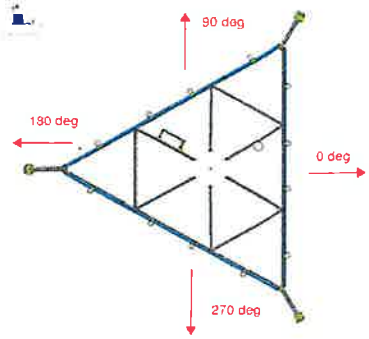
Client:	Verizon Wireless	Date:	7/22/2023
Site Name:	WILLIMANTIC CT		
MDG #:	5000245839		
Fuze ID #:	17123909	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

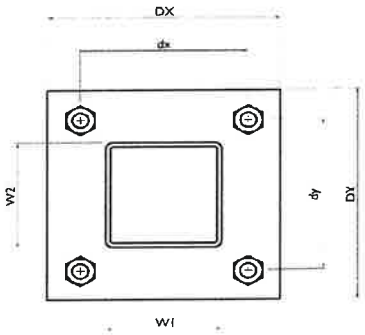
Custom Orientation Required	Yes

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N35	330
N36	330



Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel

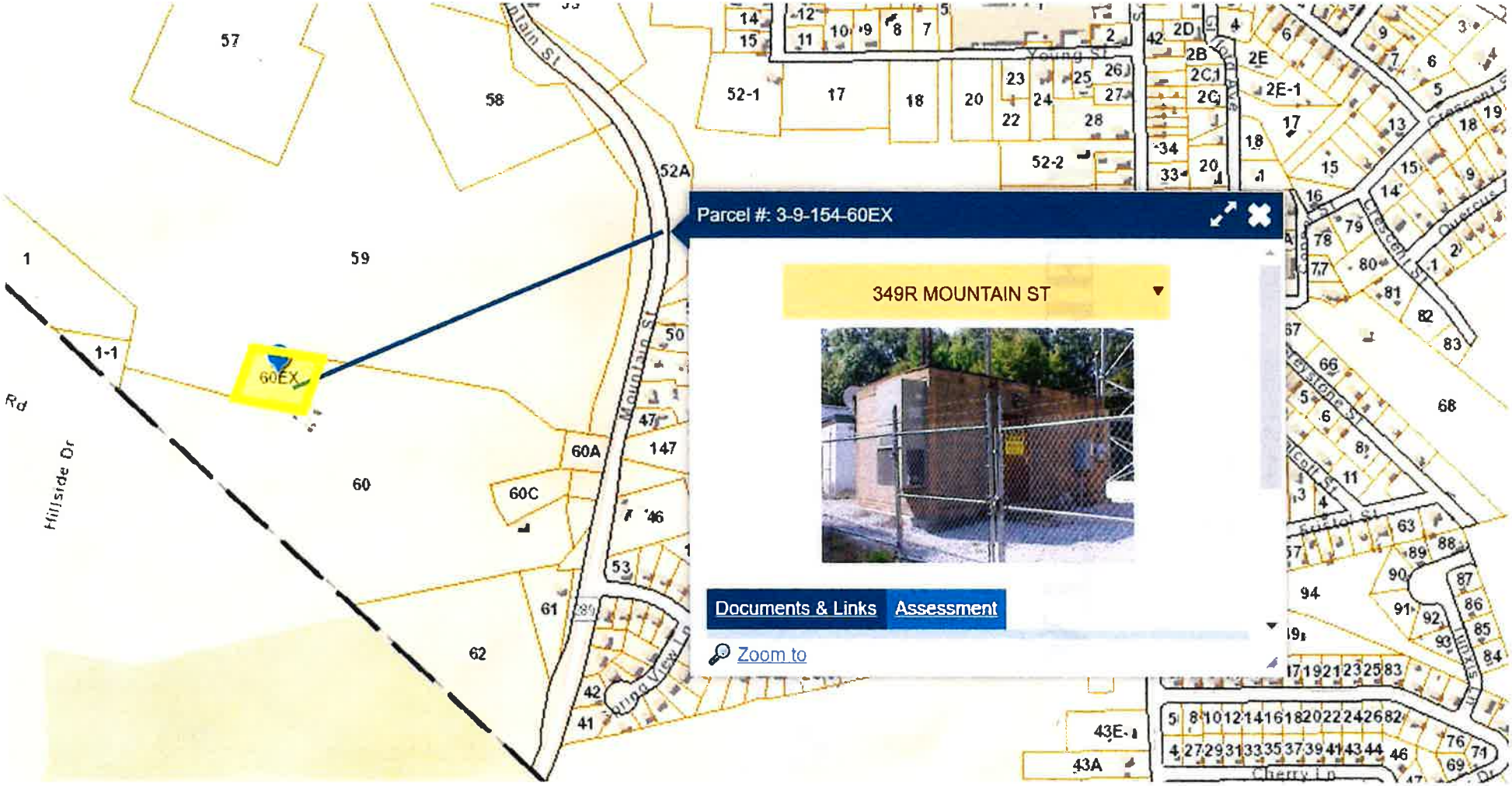
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	9.5
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	3.5
Bolt Type:	A307
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	0.8
Required Shear Strength / bolt (kips):	0.4
Tensile Capacity / bolt (kips):	10.4
Shear Capacity / bolt (kips):	6.2
Bolt Overall Utilization:	8.0%



Tower Connection Baseplate Checks	No

Tower Connection Weld Checks	No

ATTACHMENT 4


Parcel #: 3-9-154-60EX
349R MOUNTAIN ST
Documents & Links
Assessment
Zoom to
Mountain St
Young St
St Joan Ave
Crescent St
Quercus
Greystone St
Sutton St
Cherry Ln
Hillside Dr
Rd
60EX
57
58
59
60
60A
60C
61
62
52A
52-1
52-2
147
1-1
1

ion ID: 5508 Account # 00004100 Bldg #: 1 of 1 Sec #: 1 of 1 Card 1 of 1 Print Date: 12/03/2018 18:00

CURRENT OWNER	TOPO.	UTILITIES	STRT./ROAD	LOCATION
PROPERTIES INC	2 Above Street	5 Well	3 Unpaved	
CONGRESS AVE	5 Steep	6 Septic		
		0 None		
A RATON, FL 33487				
itional Owners:				

SUPPLEMENTAL DATA

Other ID:	3- 9/154/ 60EX	LCI	C
Zoning	R4	ParcelStatus	
Neighborhood	250 - 0	Cost Flag	
Living Units	0	Lot Number	0
Census	8004	A_D	
District No	2		
GIS ID:		ASSOC PID#	

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
UTL LAND	4-1	124,400	87,080
UTL BLDG	4-2	29,900	20,930
UTL OUTBL	4-3	17,020	11,920
	Total	171,320	119,930

6163
WINDHAM, CT

VISION

RECORD OF OWNERSHIP

	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.
PROPERTIES INC	631/ 299	04/10/2001	U	I	108,650	22
MEG BROADCASTING COMPANY	343/ 130	09/10/1990	U	I	0	0
MEG BROADCASTING COMPANY	304/ 277	10/09/1987	Q	I	75,000	
COM CAPITAL CORPORATION	285/ 647	09/01/1985	U	I	0	
TA COMMUNICATIONS CORPORATION	263/ 635	06/01/1980	U	I	0	
WSON JEROME & HILDA	241/ 106	04/01/1975	U	I	0	

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
2017	4-1	87,080	2016	4-1	87,080	2015	300	26,8
2017	4-2	26,810	2016	4-2	26,810	2015	300	87,0
2017	4-3	0	2016	4-3	0			
	Total:	113,890		Total:	113,890		Total:	113,8

EXEMPTIONS

ear	Type	Description	Amount
		Total:	

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm. Int.

This signature acknowledges a visit by a Data Collector or Assessor

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	29,9
Appraised XF (B) Value (Bldg)	
Appraised OB (L) Value (Bldg)	17,0
Appraised Land Value (Bldg)	124,4
Special Land Value	
Total Appraised Parcel Value	171,3
Valuation Method:	
Adjustment:	
Net Total Appraised Parcel Value	171,3

ASSESSING NEIGHBORHOOD

NBHD/ SUB	NBHD Name	Street Index Name	Tracing	Batch
0001/A			433	I

NOTES

BUILDING PERMIT RECORD

ermit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments
34217	03/12/2018	53	Cell Tower/Antennae	15,000		0		
32161	09/13/2016	53	Cell Tower/Antennae	79,651		0		
14063	07/01/2003	BP		6,000	07/10/2003	0	07/10/2003	06-26
13760	05/07/2003	BP		54,000	09/10/2003	0	09/10/2003	34-26
11453	03/13/2002	BP		30,000	09/09/2002	0	09/09/2002	34-26
10561	04/16/2001	BP		2,000	04/17/2001	0	04/17/2001	06-26
3086	03/01/1992	BP		0		0		16 26 #274

VISIT/ CHANGE HISTORY

Date	Type	IS	ID	Cd.	Purpose/Result
10/02/2002			BM	1	ENTRY + SIGN

LAND LINE VALUATION SECTION

Use Code	Use Description	Zone	D	Front	Depth	Units	Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. Idx	Adj.	Notes- Adj	Special Pricing	S Adj Fact	Adj. Unit Price	Land Value
304	Public Utility C	R4				1.00 AC	80,000.00	1.0000	0	1.0000	1.00	250	1.00	Topography;		1.00		80,0
304	Public Utility C					0.05 AC	1,400.00	1.0000	0	1.0000	1.00		0.00	Topography;		1.00		
304	Public Utility C					1.00 AC	44,330.00	1.0000	0	1.0000	1.00		0.00			1.00		44,3

CONSTRUCTION DETAIL

Element	Cd.	Ch.	Description
e	79		Telephone Bldg
lel	94		Commercial
de	03		Average
ies	1.0		
upancy	0		
rior Wall 1	15		Concrete/mas
el From	01		01
el To	01		01
ov Parking	0		
meter	68		
tical Units	1		
ciency	0		
edroom	0		
edroom	0		
edroom	0		
Type	03		Central
cture Type	720		720
g Use	304		Public Utility C
cent Finish	100		
ting	07		Electr Basebrd
me Type	02		Wood Frame
mbing	00		None
al Modifier	2.75		
itions	00		None
ll Height	10		
e	280		

CONSTRUCTION DETAIL (CONTINUED)

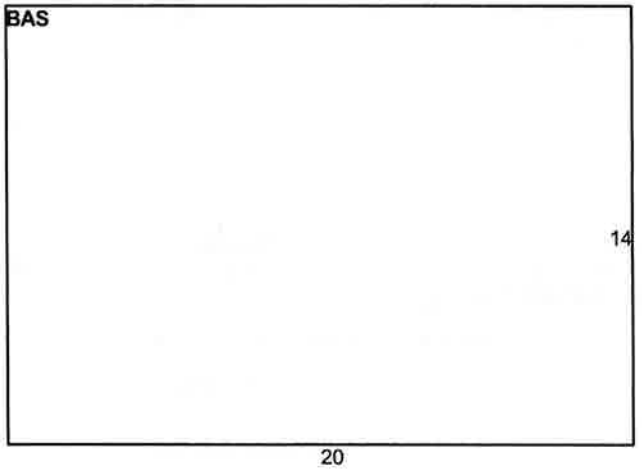
Element	Cd.	Ch.	Description

MIXED USE

Code	Description	Percentage
304	Public Utility C	100

COST/MARKET VALUATION

Adj. Base Rate:	146.29
AYB	1975
Dep Code	A
Remodel Rating	
Year Remodeled	
Dep %	27
Functional Obslnc	
External Obslnc	
Cost Trend Factor	
Condition	
% Complete	
Overall % Cond	73
Apprais Val	29,900
Dep % Ovr	0
Dep Ovr Comment	
Misc Imp Ovr	0
Misc Imp Ovr Comment	
Cost to Cure Ovr	0
Cost to Cure Ovr Comment	



OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)

ode	Description	Sub	Sub Descript	L/B	Units	Unit Price	Yr	Gde	Dp Rt	Cnd	%Cnd	Apr Value
3O	CHAIN LINK 6			L	120	16.90	1975				50	1,010
1O	SHED FRAME			L	288	15.00	1990				70	3,020
3O	CHAIN LINK 6			L	80	16.90	1990				70	950
4O	CHAIN LINK 8			L	320	22.25	2002				70	4,980
3O	PAVING CONC			L	1,296	6.81	2002				80	7,060

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Gross Area	Living Area	Eff. Area
S	First Floor	280	280	

ATTACHMENT 5

Verizon/Willimantic

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 08/29/2023 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.	James Rivers, Town Manager Town of Windham 979 Main Street Willimantic, CT 06226		OLD STATE HOUSE STATION 06103 AUG 29 2023 USPS		
2.	Matthew Vertefeuille, Director of Code Compliance Town of Windham 979 Main Street Willimantic, CT 06226				
3.	SBA Properties LLC 8051 Congress Avenue Boca Raton, FL 33487				
4.					
5.					
6.					